



APACHE CORPORATION
Daily Drilling Report

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WELLBORE NAME THREE BAR SHALLOW UNIT 103H					DATE 09-23-2012						
API # 4200344227 00		24 HRS PROG (ft)		TMD 0.0 (ft)		TD TVD 0.0 (ft)		REPT NO 2			
RIG NAME NO. UNION 215		FIELD NAME THREE BAR WICHITA ALBANY		AUTH TMD 12,000.00 (ft)		PLANNED DOW 26.00 (days)		DFS (days)		DOL 1.25 (days)	
SPUD DATE		RIG RELEASE		SUPERVISOR 1 JAMES HUDSON (903) 285 - 2686				ENGINEER JEREMY WARD		PBTMD	
REGION PERMIAN		DISTRICT ANDREWS - TX NCZ		STATE / PROV TEXAS		COUNTY / PARISH ANDREWS		RIG PHONE NO 281-366-0223		RIG FAX NO	
AFE # PA-12-0788-D		AFE COSTS		DAILY COSTS		CUMULATIVE COSTS					
DESCRIPTION: D&C A HORIZONTAL WICHITA ALBANY WELL		DHC: 1,817,000 DCC: CWC: Others: TOTAL: 1,817,000		DHC: 22,431 DCC: CWC: Others: TOTAL: 22,431		DHC: 94,716 DCC: CWC: Others: TOTAL: 94,716					
DEFAULT DATUM / ELEVATION RKB/RT / 3,321.0 (ft)		LAST SAFETY MEETING 9/23/2012		BLOCK		OCSG#		TARGET FORMATION WICHITA ALBANY		BHA HRS OF SERVICE	
LAST SURVEY MD 0.0 (ft) INC 0.00° AZM 0.00°				LAST CSG SHOE TEST (EMW)		LAST CASING		NEXT CASING 13.375 in @ 1,600.0 ft			

CURRENT OPERATIONS: WAITING ON DAYLIGHT

24 HR SUMMARY: WAIT ON DAYLIGHT, RD OFF THREE BAR 102H, RU ON THREE BAR 103H. RD- 100%, 100% SPOTTED, RU- 60%, WAIT ON DAYLIGHT, EST
SPUD-IN 12:00 HRS 9/25/2012

24 HR FORECAST: CONTINUE RU

OPERATION SUMMARY

From	To	HRS	Op Phase	Op Code	PT/NPT	NPT CODES	ACTIVITY SUMMARY
0:00	6:30	6.50	R-MOB-DEMOB	WOD	PP		WAIT ON DAYLIGHT
6:30	20:00	13.50	R-MOB-DEMOB	RU_RD	PP		PJSM, FINISH RD OFF THREE BAR 102H. RU, DERRICK RAISED AND PINNED, MUD PITS SET, MUD PUMP'S SET, POWER PLANT AND REMAINDER OF BACK YARD. RU POWER PLANT, CONNECT ELECTRICAL TO DERRICK. INSTALLED NEW MOTOR ON PUMP #1 UDI TRUCK'S RELEASED AT 18:00 HRS 9/23/2012
20:00	0:00	4.00	R-MOB-DEMOB	WOD	PP		WAIT ON DAYLIGHT

24.00 = Total Hours Today

06:00 UPDATE

0000-0600 UDI RIG MOVE TRUCK'S RELEASED AT 18:00 HRS 2/23/2012. WAITING ON DAYLIGHT.

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
UNION DRILLING INC.	1	24.00	AIP	1	24.00
UNION DRILLING INC.	10	130.00			

TOTAL PERSONNEL ON BOARD: 12

TOTAL HOURS ON BOARD: 178

MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
DIESEL, RIG FUEL	gal	90	2240				



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WELLBORE NAME THREE BAR SHALLOW UNIT 103H					DATE 09-24-2012						
API # 4200344227 00		24 HRS PROG (ft)		TMD 0.0 (ft)		TD TVD 0.0 (ft)		REPT NO 3			
RIG NAME NO. UNION 215		FIELD NAME THREE BAR WICHITA ALBANY		AUTH TMD 12,000.00 (ft)		PLANNED DOW 26.00 (days)		DFS (days)		DOL 2.25 (days)	
SPUD DATE		RIG RELEASE		SUPERVISOR 1 JAMES HUDSON (903) 285 - 2686				ENGINEER JEREMY WARD		PBTMD	
REGION PERMIAN		DISTRICT ANDREWS - TX NCZ		STATE / PROV TEXAS		COUNTY / PARISH ANDREWS		RIG PHONE NO 281-366-0223		RIG FAX NO	
AFE # PA-12-0788-D		AFE COSTS DHC: 1,817,000 DCC: CWC: Others: TOTAL: 1,817,000		DAILY COSTS DHC: 34,956 DCC: CWC: Others: TOTAL: 34,956		CUMULATIVE COSTS DHC: 129,672 DCC: CWC: Others: TOTAL: 129,672					
DESCRIPTION: D&C A HORIZONTAL WICHITA ALBANY WELL											
DEFAULT DATUM / ELEVATION RKB/RT / 3,321.0 (ft)		LAST SAFETY MEETING 9/24/2012		BLOCK		OCSG#		TARGET FORMATION WICHITA ALBANY		BHA HRS OF SERVICE	
LAST SURVEY MD 0.0 (ft) INC 0.00° AZM 0.00°				LAST CSG SHOE TEST (EMW)		LAST CASING		NEXT CASING 13.375 in @ 1,600.0 ft			

CURRENT OPERATIONS: PRE-SPUD INSPECTION. REPAIR FLOWLINE AND STANDPIPE LEAK'S. SPUD-IN 17.5" SURFACE HOLE AT 06:00 HRS 9/25/2012

24 HR SUMMARY: WAIT ON DAYLIGHT, RIG UP, LAY OUT AND STRAP BHA

24 HR FORECAST: DRILL 17.5" SURFACE HOLE

OPERATION SUMMARY

From	To	HRS	Op Phase	Op Code	PT/NPT	NPT CODES	ACTIVITY SUMMARY
0:00	7:00	7.00	R-MOB-DEMOB	WOD	PP		WAIT ON DAYLIGHT
7:00	0:00	17.00	R-MOB-DEMOB	RU_RD	PP		PJSM, RU ALL SERVICE LINE'S IN BACK YARD, LOAD OUT AND RU RIG FLOOR. LAY OUT AND STRAP BHA. NOTIFIED TRRC OF INTENT TO SPUD, RIH CSG AND CMT SURFACE AT 09:03 HRS 9/24/2012. SPOKE TO CINDY AND ASSIGNED JOB# 12309

24.00 = Total Hours Today

06:00 UPDATE

0000-0600 NOTIFIED TRRC OF INTENT TO SPUD, RIH CSG AND CMT SURFACE AT 09:03 HRS 9/24/2012. SPOKE TO CINDY AND ASSIGNED JOB# 12309
PRE-SPUD INSPECTION. MU BHA TO TELEDRIFT AT 26', MU KELLY, GO IN HOLE TO TOP OF CMT AT 52'. REPAIR LEAKS ON FLOWLINE AND STANDPIPE.
SPUD-IN 17.5" SURFACE HOLE AT 06:00 HRS 9/25/2012

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
AIP	1	24.00	UNION DRILLING INC.	1	24.00
UNION DRILLING INC.	10	120.00			

TOTAL PERSONNEL ON BOARD: 12

TOTAL HOURS ON BOARD: 168

MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
DIESEL, RIG FUEL	gal	786	5254				



APACHE CORPORATION

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Daily Drilling Report

WELLBORE NAME THREE BAR SHALLOW UNIT 103H										DATE 09-25-2012			
API # 4200344227 00		24 HRS PROG 1,124.0 (ft)		TMD 1,124.0 (ft)		TD TVD 1,123.9 (ft)		REPT NO 4					
RIG NAME NO. UNION 215		FIELD NAME THREE BAR WICHITA ALBANY		AUTH TMD 12,000.00 (ft)		PLANNED DOW 26.00 (days)		DFS 0.75 (days)		DOL 3.25 (days)			
SPUD DATE		RIG RELEASE		SUPERVISOR 1 JAMES HUDSON (903) 285 - 2686				ENGINEER JEREMY WARD		PBTMD			
REGION PERMIAN		DISTRICT ANDREWS - TX NCZ		STATE / PROV TEXAS		COUNTY / PARISH ANDREWS		RIG PHONE NO 281-366-0223		RIG FAX NO			
AFE # PA-12-0788-D		AFE COSTS		DAILY COSTS		CUMULATIVE COSTS							
DESCRIPTION: D&C A HORIZONTAL WICHITA ALBANY WELL		DHC: 1,817,000 DCC: CWC: Others: TOTAL: 1,817,000		DHC: 34,471 DCC: CWC: Others: TOTAL: 34,471		DHC: 164,143 DCC: CWC: Others: TOTAL: 164,143							
DEFAULT DATUM / ELEVATION RKB/RT / 3,321.0 (ft)		LAST SAFETY MEETING 9/25/2012		BLOCK		OCSG#		TARGET FORMATION WICHITA ALBANY		BHA HRS OF SERVICE			
LAST SURVEY MD 1,000.0 (ft) INC 0.90° AZM 0.00°				LAST CSG SHOE TEST (EMW)		LAST CASING		NEXT CASING 9.625 in @ 1,596.0 ft					
CURRENT OPERATIONS: DRILL 17.5" SURFACE HOLE F/ 1,124' T/ 1,431'													
24 HR SUMMARY: PRE-SPUD INSPECTION, REPAIR LEAKS ON FLOWLINE AND STANDPIPE, DRILL 17.5" SURFACE HOLE F/ 57' T/ 1,124'													
24 HR FORECAST: TD SURFACE HOLE AT 1,596', CIRCULATE HOLE CLEAN, POH, RIH 13.375" SURFACE CASING AND CMT.													
OPERATION SUMMARY													
From	To	HRS	Op Phase	Op Code	PT/NPT	NPT CODES	ACTIVITY SUMMARY						
0:00	6:00	6.00	R-MOB-DEMOB	RU_RD	PP		PRE- SPUD RIG INSPECTION. MU BHA TO TELEDRIFT AT 26', MU KELLY TO TAG TOP OF CMT AT 52'. REPAIR LEAK'S ON FLOWLINE AND STANDPIPE. SPUD-IN 17.5" SURFACE HOLE AT 06:00 HRS 9/25/2012						
6:00	0:00	18.00	S-DRL	DRLG	PP		DRLG 17.5" SURFACE HOLE F/ 57' T/ 1,124'. LAST SURVEY 1000' AT 0.9 DEG. NO ISSUES.						
24.00 = Total Hours Today													
06:00 UPDATE													
0000-0600 DRILL 17.5" SURFACE HOLE F/ 1,124' T/ 1,431'													
BIT DATA													
BIT / RUN	BIT SIZE (in)	MANUFACTURER		TYPE	SERIAL NO	JETS OR TFA	DEPTH IN / DATE IN		I-O-D-L-B-G-O-R				
1 / 1	17.500	VAREL		HR14JMRSV	1314013	3x18	57.00 / 09-25-2012		-----				
BIT OPERATIONS													
BIT / RUN	WOB	RPM	FLOW RATE	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP		
1/1	10/25	120/120	564.97	1350	444	18.00	1,067.0	59.3	18.00	1,067.0	59.3		
MOTOR OUTPUT													
RPV:				ROTARY CURRENT: 120				TOTAL RPM: 120					
LCM:				MUD PROPERTIES				MUD TYPE: Fresh Water					
VIS (s/qt)	PV/YP (cp) / (lb/100ft²)	GELS (lb/100ft²)	WL/HHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
29.00	1.00/1						8.00						0.20
Density (ppg)	8.40	ECD (ppg)	8.40	PP	DAILY COST	0.00	CUM COST	0	%OIL		% H2O		99.70
BHA	1	JAR S/N		BHA / HOLE CONDITIONS				JAR HRS		BIT	1		
BHA WT BELOW JARS		STRING WT UP		STRING WT DN		STRING WT ROT		TORQUE/UNITS		BHA LENGTH			
(kip)		100.0 (kip)		80.0 (kip)		85.0 (kip)		(ft-lbf)		637.97 (ft)			

Printed: 9/26/2012 6:30:01AM



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WELLBORE NAME THREE BAR SHALLOW UNIT 103H							DATE 09-25-2012
API # 4200344227 00	24 HRS PROG 1,124.0 (ft)	TMD 1,124.0 (ft)	TD TVD 1,123.9 (ft)		REPT NO 4		

COMPONENT TYPE	ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
	INSERT TRI-CONE BIT	1	1.50	17.500			
	BIT SUB	1	1.58	8.000	3.125		
	SHOCK SUB	1	13.80	7.750	3.000		
	TELEDRIFT	1	10.06	7.750	3.000		
	DC	1	30.31	7.750	3.000		
	IBS W/11" BLADES	1	6.60	7.750	3.000		
	DC	1	30.75	8.000	3.000		
	6.5" TO 8" XO SUB	1	2.80	6.125	3.000		
	6.5" DC	18	540.57	6.250	2.125		

SURVEY

TYPE	MD (ft)	DEG (°)	AZI (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	V.SECT (ft)	D.L (°/100ft)
	1,000.0	0.90	0.00	999.9	14.65	0.00	14.65	0.02
	498.0	1.00	0.00	498.0	6.32	0.00	6.32	0.08
	122.0	0.70	0.00	122.0	0.75	0.00	0.75	0.57

MUD PUMPS/HYDRAULICS					SPR		
	STROKE	SPM	LINER	FLOW RATE	SPP: 1350 (psi) AV(DP): AV(DC): HP: 0.609 (hp/in ²)		
# 1	10.00	69.00	6.500	282.5		SPM	PPSR
# 2	10.00	69.00	6.500	282.5			

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
UNION DRILLING INC.	1	24.00	AIP	1	24.00
UNION DRILLING INC.	10	120.00			

TOTAL PERSONNEL ON BOARD: 12

TOTAL HOURS ON BOARD: 168

MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
DIESEL, RIG FUEL	gal	852	4402				

MUD INVENTORY

ITEM	UNIT	USAGE	Daily Cost (\$)	ON HAND
DRLG MUD		3,527.71	0.00	0.00



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WELLBORE NAME THREE BAR SHALLOW UNIT 103H					DATE 09-26-2012						
API # 4200344227 00		24 HRS PROG 472.0 (ft)		TMD 1,596.0 (ft)		TD TVD 1,595.8 (ft)		REPT NO 5			
RIG NAME NO. UNION 215		FIELD NAME THREE BAR WICHITA ALBANY		AUTH TMD 12,000.00 (ft)		PLANNED DOW 26.00 (days)		DFS 1.75 (days)		DOL 4.25 (days)	
SPUD DATE 09-25-2012 06:00		RIG RELEASE		SUPERVISOR 1 JAMES HUDSON (903) 285 - 2686				ENGINEER JEREMY WARD		PBTMD	
REGION PERMIAN		DISTRICT ANDREWS - TX NCZ		STATE / PROV TEXAS		COUNTY / PARISH ANDREWS		RIG PHONE NO 281-366-0223		RIG FAX NO	
AFE # PA-12-0788-D		AFE COSTS		DAILY COSTS				CUMULATIVE COSTS			
DESCRIPTION: D&C A HORIZONTAL WICHITA ALBANY WELL		DHC: 1,817,000 DCC: CWC: Others: TOTAL: 1,817,000		DHC: 95,735 DCC: CWC: Others: TOTAL: 95,735				DHC: 259,878 DCC: CWC: Others: TOTAL: 259,878			
DEFAULT DATUM / ELEVATION RKB/RT / 3,321.0 (ft)		LAST SAFETY MEETING 9/26/2012		BLOCK		OCSG#		TARGET FORMATION WICHITA ALBANY		BHA HRS OF SERVICE	
LAST SURVEY MD 1,596.0 (ft) INC 0.90° AZM 0.00°				LAST CSG SHOE TEST (EMW)		LAST CASING 13.375 in @ 1,596.0 ft		NEXT CASING 9.625 in @ 4,700.0 ft			
CURRENT OPERATIONS: WASHED 17.5" SURFACE CSG T/ 1,596', RD LEWIS CSG, RU HALLIBURTON AND CMT, WASH CMT FROM CONDUCTOR RISER AND FLOWLINE, PREPAIR BOP STACK FOR NU.											
24 HR SUMMARY: DRILL 17.5" SURFACE HOLE F/1,124' T/ 1,596', CIRCULATE BU, POH W/ BIT, RIH W/ 13 3/8" CSG T/ 1,558'.											
24 HR FORECAST: WELD ON AND TEST A-SECTION OF WELLHEAD, NU BOPE AND TEST, MU BHA #2 AND RIH											

OPERATION SUMMARY

From	To	HRS	Op Phase	Op Code	PT/NPT	NPT CODES	ACTIVITY SUMMARY
0:00	6:00	6.00	S-DRL	DRLG	PP		DRILL 17.5" SURFACE HOLE F/ 1,124' T/ 1,431'. LAST SURVEY 1000', 0.9 DEG. NO ISSUES.
6:00	15:00	9.00	S-DRL	DRLG	PP		DRILL 17.5" SURFACE HOLE F/ 1,431' T/ 1,596'. LAST SURVEY 1596', 0.9 DEG. NO ISSUES. 17.5" SURFACE TD AT 1,596', 15:00 HRS 9/26/2012
15:00	15:30	0.50	S-DRL	CIRC	PP		CIRCULATE BU
15:30	19:00	3.50	S-DRL	POOH	PP		POOH F/ 1,596' T/ 97'. LD 8" BHA AND BIT. TIGHT SPOT F/ 915' T/ 896', F/ 711' T/ 694'. HOLE TOOK CORRECT FILL.
19:00	0:00	5.00	S-CSG	CSG	PP		PJSM W/ LEWIS CSG, RU CSG TOOL'S & LD TRUCK. RUN 38 JNT'S 13.375", 48#, H-40, STC CSG, TEXAS PATTERN SHOE AND FLOAT COLLAR . FLOAT COLLAR SET @ 1,552.08', CASING SET @ 1,596' WASH THRU BRIDGE @ 1,507', WASHED JNT # 37 T/ 1,558'

24.00 = Total Hours Today

06:00 UPDATE

0000-0600 17.5" SURFACE HOLE TD AT 1,596', 15:00 HRS 9/26/2012. LANDED 13.375" CASING AT 1,596', RU HALLIBURTON, CEMENT SURFACE CASING W/ 20 BBL FRESH WATER SPACER, LEAD CMT 309 BBL, 960 SX, 12.9#, 1.81 YD, TAIL CMT 94 BBL, 395 SX, 14.8 #, 1.34 YD, DROPPED PLUG AND DISPLACED W/ 244 BBL OF 10# BRINE, PLUG BUMPED AT 3:30 HRS 9/27/2012 WITH 450 PSI, RAISED PRESSURE TO 1100 PSI FOR 5 MIN. 1 BBL BRINE RETURNED TO TRUCK. 74 SX, 229 SX CMT RETURNED TO SURFACE. RD HALLIBURTON. WASH CMT OUT OF CONDUCTOR RISER AND FLOWLINE. PREPAIR BOP FOR NU.

BIT DATA

BIT / RUN	BIT SIZE (in)	MANUFACTURER	TYPE	SERIAL NO	JETS OR TFA	DEPTH IN / DATE IN	I-O-D-L-B-G-O-R
1 / 1	17.500	VAREL	HR14JMRSV	1314013	3x18	57.00 / 09-25-2012	0-0-NO- -0- -NO-TD



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WELLBORE NAME THREE BAR SHALLOW UNIT 103H										DATE 09-26-2012
API # 4200344227 00	24 HRS PROG 472.0 (ft)	TMD 1,596.0 (ft)	TD TVD 1,595.8 (ft)	REPT NO 5						

BIT OPERATIONS

BIT / RUN	WOB	RPM	FLOW RATE	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP
1/1	25/35	100/120	510.00	1320	371	15.00	472.0	31.5	32.50	1,539.0	47.4

MOTOR OUTPUT

RPV:				ROTARY CURRENT: 120				TOTAL RPM: 120					
LCM:		MUD PROPERTIES						MUD TYPE:		Fresh Water			
VIS (s/qt)	PV/YP (cp) / (lbf/100ft²)	GELS (lbf/100ft²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%)/(lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
29.00	1.00/1			/0.20			8.00		1500	240			0.20
Density (ppg)	8.60	ECD (ppg)	8.60	PP	DAILY COST		0.00	CUM COST	0	%OIL	% H2O		99.70

BHA	1	JAR S/N		BHA / HOLE CONDITIONS				JAR HRS		BIT	
BHA WT BELOW JARS		STRING WT UP		STRING WT DN		STRING WT ROT		TORQUE/UNITS		BHA LENGTH	
(kip)		100.0 (kip)		80.0 (kip)		90.0 (kip)		(ft-lbf)		637.97 (ft)	

COMPONENT TYPE	ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
	INSERT TRI-CONE BIT	1	1.50	17.500			
	BIT SUB	1	1.58	8.000	3.125		
	SHOCK SUB	1	13.80	7.750	3.000		
	TELEDRIFT	1	10.06	7.750	3.000		
	DC	1	30.31	7.750	3.000		
	IBS W/11" BLADES	1	6.60	7.750	3.000		
	DC	1	30.75	8.000	3.000		
	6.5" TO 8" XO SUB	1	2.80	6.125	3.000		
	6.5" DC	18	540.57	6.250	2.125		

SURVEY

TYPE	MD (ft)	DEG (°)	AZI (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	V.SECT (ft)	D.L (°/100ft)
	1,596.0	0.90	0.00	1,595.8	24.01	0.00	24.01	0.00

MUD PUMPS/HYDRAULICS					SPR		
	STROKE	SPM	LINER	FLOW RATE			
# 1	10.00	67.00	6.500	274.3			
# 2	10.00	64.00	6.500	262.0			

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
UNION DRILLING INC.	1	24.00	AIP	1	24.00
UNION DRILLING INC.	10	120.00			

TOTAL PERSONNEL ON BOARD: 12

TOTAL HOURS ON BOARD: 168

MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
DIESEL, RIG FUEL	gal	852	3550				

MUD INVENTORY

ITEM	UNIT	USAGE	Daily Cost (\$)	ON HAND
DRLG MUD			0.00	0.00



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WELLBORE NAME THREE BAR SHALLOW UNIT 103H					DATE 09-27-2012						
API # 4200344227 00		24 HRS PROG (ft)		TMD 1,596.0 (ft)		TD TVD 1,595.8 (ft)		REPT NO 6			
RIG NAME NO. UNION 215		FIELD NAME THREE BAR WICHITA ALBANY		AUTH TMD 12,000.00 (ft)		PLANNED DOW 26.00 (days)		DFS 2.75 (days)		DOL 5.25 (days)	
SPUD DATE 09-25-2012 06:00		RIG RELEASE		SUPERVISOR 1 JAMES HUDSON (903) 285 - 2686				ENGINEER JEREMY WARD		PBTMD	
REGION PERMIAN		DISTRICT ANDREWS - TX NCZ		STATE / PROV TEXAS		COUNTY / PARISH ANDREWS		RIG PHONE NO 281-366-0223		RIG FAX NO	
AFE # PA-12-0788-D		AFE COSTS		DAILY COSTS				CUMULATIVE COSTS			
DESCRIPTION: D&C A HORIZONTAL WICHITA ALBANY WELL		DHC: 1,817,000 DCC: CWC: Others: TOTAL: 1,817,000		DHC: 85,905 DCC: CWC: Others: TOTAL: 85,905				DHC: 346,082 DCC: CWC: Others: TOTAL: 346,082			
DEFAULT DATUM / ELEVATION RKB/RT / 3,321.0 (ft)		LAST SAFETY MEETING 9/27/2012		BLOCK		OCSG#		TARGET FORMATION WICHITA ALBANY		BHA HRS OF SERVICE	
LAST SURVEY				LAST CSG SHOE TEST (EMW)		LAST CASING		NEXT CASING			
MD 1,596.0 (ft) INC 0.90° AZM 0.00°						20.000 in @ 57.0 ft		13.375 in @ 1,596.0 ft			
CURRENT OPERATIONS: TIH; TAGGED CEMENT @ 1,545', DRILL SHOE TRACK, DRILL F/ 1,596' TO 1,847'											
24 HR SUMMARY: LND 13.375" SURF. CSG AT 1,596', CMT CSG, INSTALL A-SECT. OF WELLHEAD, NU & TEST BLIND RAMS & CHOKE VALVE T/ 1000 PSI, RIH W/ 12.25" BIT T/ 1,511', BREAK DOWN LAST DP STAND TO SINGLE JNT'S, TEST PIPE RAMS, CSG AND ANNULAR T/ 1000 PSI.											
24 HR FORECAST: DRILL 12.25" INTERMEDIATE HOLE											

OPERATION SUMMARY

From	To	HRS	Op Phase	Op Code	PT/NPT	NPT CODES	ACTIVITY SUMMARY
0:00	1:00	1.00	S-CSG	CSG	PP		WASH 13.375", 48#, H-40, STC SURFACE CASING F/ 1,558 T/1,596'. RD LEWIS CASING TOOL'S AND LD TRUCK.
1:00	4:30	3.50	S-CMT	CMTPRI	PP		HSM, RU HLS, TEST LINES TO 1500 PSI, PUMP 20 BBLS FRESH WATER, LEAD: W/ 960 SKS ECONOCHEM HLTRCC; MIX @ 12.9 PPG @ 1.81 CUFT/SK; 309 BBLS SLY. TAIL: W/ 395 SKS HALCEM-C; MIX @ 14.8 PPG; @ 1.34 CUFT/SK; 94 BBLS SLY DISPLACE W/ 244 BBLS 10 PPGG BRINE BP @ 3:30 AM 9/27/12 W/ 1100 PSI; PRIOR PSI @ 450#; FLOAT HELD OK; CIRC. 74 BBLS ; 229 SKS CEMENT TO SURFACE.
4:30	8:00	3.50	S-NUP	BOPS	PP		WASH OUT CMT FROM CONDUCTOR AND FLOWLINE. CUT CONDUCTOR ANDF 13.375" CASING
8:00	12:00	4.00	S-NUP	WLHEAD	PP		WELD ON 13.375" SOW X 13.375 X 3M CSG. HEAD. TEST OK
12:00	15:30	3.50	S-NUP	BOPS	PP		NU BOP STACK, CONNECT KOOMEY LINE'S, FLOWLINE, KILL LINE AND CHOKE LINE. CONNECT PANIC AND FLARE LINE FROM CHOKE MANIFOLD.
15:30	16:00	0.50	S-NUP	BOPS	PP		TEST BOPs W/ RIG PUMP, BLIND RAMS AND CHOKE VALVE TO 1000 PSI, TEST HELD FOR 30 MIN AND RECORDED ON PASON
16:00	16:30	0.50	INT-DRL	RU_RD	PP		INSTALL MOUSE HOLE
16:30	21:30	5.00	INT-DRL	RIH	PP		TIH W/ 12.25" BHA #2 PDC/BIT/ MOTOR/ TELEDRIFT/ IBS/ DC/ IBS/ 18 DC; TAG CMNT. @ 1545'
21:30	0:00	2.50	S-NUP	BOPS	PP		TEST ANNULAR AND CSG. TO 1000 PSI FOR 30 MIN.; OK BOP DRILL WITH RIG CREW

24.00 = Total Hours Today

06:00 UPDATE

0000-0600 SURFACE CASING CEMENT PLUG BUMPED AT 3:30 HRS 9/27/2012. TAGGED TOP OF CEMENT AT 1,545', DRILL SHOE TRACK. DRILL 12.25" INTERMEDIATE HOLE F/ 1,596' T/ 1,847'

BIT DATA

BIT / RUN	BIT SIZE (in)	MANUFACTURER	TYPE	SERIAL NO	JETS OR TFA	DEPTH IN / DATE IN	I-O-D-L-B-G-O-R
2 / 1	12.250	SHEAR BITS, LTD	SM616	TJ1099	9x13	1,596.00 / 09-26-2012	-----



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Daily Drilling Report

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WELLBORE NAME THREE BAR SHALLOW UNIT 103H										DATE 09-27-2012
API # 4200344227 00	24 HRS PROG (ft)	TMD 1,596.0 (ft)	TD TVD 1,595.8 (ft)	REPT NO 6						

BIT OPERATIONS

BIT / RUN	WOB	RPM	FLOW RATE	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP
2/1	0/0	0/0	491.28	1250	162	0.00	0.0	0.0	0.00	0.0	0.0

MOTOR OUTPUT

RPV: 0.22rev/gal	ROTARY CURRENT: 0	TOTAL RPM: 108
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LCM:	MUD PROPERTIES	MUD TYPE: Brine
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VIS (s/qt)	PV/YP (cp) / (lb/100ft ²)	GELS (lb/100ft ²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
28.00	1.00/1												0.20

Density (ppg)	9.90	ECD (ppg)	9.90	PP	DAILY COST	0.00	CUM COST	0	%OIL	% H2O	98.10
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BHA	2	JAR S/N		BHA / HOLE CONDITIONS	JAR HRS		BIT	2
-----	---	---------	--	-----------------------	---------	--	-----	---

BHA WT BELOW JARS	STRING WT UP	STRING WT DN	STRING WT ROT	TORQUE/UNITS	BHA LENGTH
(kip)	105.0 (kip)	95.0 (kip)	100.0 (kip)	(ft-lbf)	656.29 (ft)

COMPONENT TYPE	ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
	SHEAR SM616 PDC	1	1.00	12.250			
	BAKER M1XL MM	1	34.92	7.875		6.625	API Reg
	TELEDRIFT	1	9.34	7.750	3.000		
	DC	1	30.31	7.750	3.000		
	IBS W/11" BLADES	1	6.60	7.750	3.000		
	DC	1	30.75	8.000	3.000		
	6.5" TO 8" XO SUB	1	2.80	6.125	3.000		
	6.5" DC	18	540.57	6.250	2.125		

CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
00	SURFACE	13.375	48.00	H-40	1,596.0

MUD PUMPS/HYDRAULICS					SPR		
	STROKE	SPM	LINER	FLOW RATE	AV(DP):	SPM	PPSR
					AV(DC):		
					HP: 0.393 (hp/in ²)		

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
AIP	1	24.00	UNION DRILLING INC.	1	24.00
UNION DRILLING INC.	10	120.00			

TOTAL PERSONNEL ON BOARD: 12

TOTAL HOURS ON BOARD: 168

MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
DIESEL, RIG FUEL	gal	426	3124				

MUD INVENTORY

ITEM	UNIT	USAGE	Daily Cost (\$)	ON HAND
DRLG MUD		1,488.33	0.00	0.00



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Daily Drilling Report

WELLBORE NAME THREE BAR SHALLOW UNIT 103H										DATE 09-28-2012			
API # 4200344227 00		24 HRS PROG 1,259.0 (ft)		TMD 2,855.0 (ft)		TD TVD 2,854.2 (ft)		REPT NO 7					
RIG NAME NO. UNION 215		FIELD NAME THREE BAR WICHITA ALBANY		AUTH TMD 12,000.00 (ft)		PLANNED DOW 26.00 (days)		DFS 3.75 (days)		DOL 6.25 (days)			
SPUD DATE 09-25-2012 06:00		RIG RELEASE		SUPERVISOR 1 JAMES HUDSON (903) 285 - 2686			ENGINEER JEREMY WARD			PBTMD			
REGION PERMIAN		DISTRICT ANDREWS - TX NCZ		STATE / PROV TEXAS		COUNTY / PARISH ANDREWS		RIG PHONE NO 281-366-0223		RIG FAX NO			
AFE # PA-12-0788-D		AFE COSTS		DAILY COSTS		CUMULATIVE COSTS							
DESCRIPTION: D&C A HORIZONTAL WICHITA ALBANY WELL		DHC: 1,817,000 DCC: CWC: Others: TOTAL: 1,817,000		DHC: 29,579 DCC: CWC: Others: TOTAL: 29,579		DHC: 375,662 DCC: CWC: Others: TOTAL: 375,662							
DEFAULT DATUM / ELEVATION RKB/RT / 3,321.0 (ft)		LAST SAFETY MEETING 9/28/2012		BLOCK		OCSG#		TARGET FORMATION WICHITA ALBANY		BHA HRS OF SERVICE			
LAST SURVEY MD 2,500.0 (ft) INC 2.40° AZM 0.00°				LAST CSG SHOE TEST (EMW)		LAST CASING 13.375 in @ 1,596.0 ft		NEXT CASING 9.625 in @ 4,700.0 ft					
CURRENT OPERATIONS: DRILL 12.25" HOLE F/ 2,855' T/ 3,109'													
24 HR SUMMARY: TAG TOP OF CMT AT 1,545'. DRILL SHOE TRACK F/ 1,545' T/ 1,596'. DRILL 12.25" HOLE F/ 1,596' T/ 2,855', LAST SURVEY 2,728' 1.5 DEG.													
24 HR FORECAST: DRILL 12.25" HOLE													
OPERATION SUMMARY													
From	To	HRS	Op Phase	Op Code	PT/NPT	NPT CODES	ACTIVITY SUMMARY						
0:00	1:30	1.50	INT-DRL	DOCMT	PP		TAG TOP OF CMT AT 1,545'. DRILL SHOE TRACK F/ 1,545' T/ 1,596'. LAST SURVEY 1,596' 0.9 DEG.						
1:30	6:00	4.50	INT-DRL	DRLCPA	PP		DRILL 12.25" HOLE F/1,596' T/ 1,847'						
6:00	14:00	8.00	INT-DRL	DRLCPA	PP		DRILL 12.25" HOLE F/ 1,847' T/ 2,323'. LAST SURVEY 2,316', 2.0 DEG.						
14:00	0:00	10.00	INT-DRL	DRLCPA	PP		DRILL 12.25" HOLE F/ 2,323' T/ 2,855'. LAST SURVEY 2,728', 1.5 DEG.						
24.00 = Total Hours Today													
06:00 UPDATE													
0000-0600 DRILL 12.25" HOLE F/ 2,855' T/ 3,109'. LAST SURVEY 3,045' 1.4 DEG.													
BIT DATA													
BIT / RUN	BIT SIZE (in)	MANUFACTURER		TYPE	SERIAL NO	JETS OR TFA	DEPTH IN / DATE IN		I-O-D-L-B-G-O-R				
2 / 1	12.250	SHEAR BITS, LTD		SM616	TJ1099	9x13	1,596.00 / 09-26-2012		-----				
BIT OPERATIONS													
BIT / RUN	WOB	RPM	FLOW RATE	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP		
2/1	10/15	80/100	491.28	1590	160	22.50	1,259.0	56.0	22.50	1,259.0	56.0		
MOTOR OUTPUT													
RPV: 0.22rev/gal				ROTARY CURRENT: 100				TOTAL RPM: 208					
LCM:				MUD PROPERTIES				MUD TYPE: Brine					
VIS (s/qt)	PV/YP (cp) / (lb/100ft²)	GELS (lb/100ft²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd) / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
30.00	1.00/1												0.20
Density (ppg)	9.80	ECD (ppg)	9.90	PP		DAILY COST	0.00	CUM COST	0	%OIL		% H2O	98.20



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Daily Drilling Report

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WELLBORE NAME										DATE	
THREE BAR SHALLOW UNIT 103H										09-28-2012	
API #		24 HRS PROG		TMD		TD TVD		REPT NO			
4200344227 00		1,259.0 (ft)		2,855.0 (ft)		2,854.2 (ft)		7			
BHA	2	JAR S/N		BHA / HOLE CONDITIONS			JAR HRS		BIT	2	
BHA WT BELOW JARS		STRING WT UP		STRING WT DN		STRING WT ROT		TORQUE/UNITS		BHA LENGTH	
(kip)		124.0 (kip)		118.0 (kip)		120.0 (kip)		(ft-lbf)		656.29 (ft)	
COMPONENT TYPE		ITEM DESCRIPTION			NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE	
		SHEAR SM616 PDC			1	1.00	12.250				
		BAKER M1XL MM			1	34.92	7.875		6.625	API Reg	
		TELEDRIFT			1	9.34	7.750	3.000			
		DC			1	30.31	7.750	3.000			
		IBS W/11" BLADES			1	6.60	7.750	3.000			
		DC			1	30.75	8.000	3.000			
		6.5" TO 8" XO SUB			1	2.80	6.125	3.000			
		6.5" DC			18	540.57	6.250	2.125			
SURVEY											
TYPE	MD (ft)	DEG (°)	AZI (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	V.SECT (ft)	D.L (°/100ft)			
	2,500.0	2.40	0.00	2,499.5	47.50	0.00	47.50	0.23			
	2,031.0	1.30	0.00	2,030.7	32.36	0.00	32.36	0.09			
CASING											
S/T	DESCRIPTION			SIZE	WEIGHT	GRADE		SETTING DEPTH			
00	SURFACE			13.375	48.00	H-40		1,596.0			
MUD PUMPS/HYDRAULICS				SPP: 1590 (psi)		SPR					
	STROKE	SPM	LINER	FLOW RATE	AV(DP):	SPM		PPSR			
# 2	10.00	120.00	6.500	491.3	AV(DC):						
					HP: 0.389 (hp/in²)						
PERSONNEL DATA											
COMPANY		QTY	HRS	COMPANY			QTY	HRS			
AIP		1	24.00	UNION DRILLING INC.			1	24.00			
UNION DRILLING INC.		10	120.00								
TOTAL PERSONNEL ON BOARD: 12											
TOTAL HOURS ON BOARD: 168											
MATERIALS/CONSUMPTION											
ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND				
DIESEL, RIG FUEL	gal	1136	1988								
MUD INVENTORY											
ITEM	UNIT		USAGE		Daily Cost (\$)		ON HAND				
DRLG MUD					0.00		0.00				



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Daily Drilling Report

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WELLBORE NAME THREE BAR SHALLOW UNIT 103H										DATE 09-29-2012			
API # 4200344227 00		24 HRS PROG 975.0 (ft)		TMD 3,830.0 (ft)		TD TVD 3,829.0 (ft)		REPT NO 8					
RIG NAME NO. UNION 215		FIELD NAME THREE BAR WICHITA ALBANY		AUTH TMD 12,000.00 (ft)		PLANNED DOW 26.00 (days)		DFS 4.75 (days)		DOL 7.25 (days)			
SPUD DATE 09-25-2012 06:00		RIG RELEASE		SUPERVISOR 1 JAMES HUDSON (903) 285 - 2686				ENGINEER JEREMY WARD		PBTMD			
REGION PERMIAN		DISTRICT ANDREWS - TX NCZ		STATE / PROV TEXAS		COUNTY / PARISH ANDREWS		RIG PHONE NO 281-366-0223		RIG FAX NO			
AFE # PA-12-0788-D		AFE COSTS		DAILY COSTS		CUMULATIVE COSTS							
DESCRIPTION: D&C A HORIZONTAL WICHITA ALBANY WELL		DHC: 1,817,000 DCC: CWC: Others: TOTAL: 1,817,000		DHC: 33,461 DCC: CWC: Others: TOTAL: 33,461		DHC: 409,122 DCC: CWC: Others: TOTAL: 409,122							
DEFAULT DATUM / ELEVATION RKB/RT / 3,321.0 (ft)		LAST SAFETY MEETING 9/29/2012		BLOCK		OCSG#		TARGET FORMATION WICHITA ALBANY		BHA HRS OF SERVICE			
LAST SURVEY MD 3,458.0 (ft) INC 0.90° AZM 0.00°				LAST CSG SHOE TEST (EMW)		LAST CASING 13.375 in @ 1,596.0 ft		NEXT CASING 9.625 in @ 4,700.0 ft					
CURRENT OPERATIONS: DRILL 12.25" HOLE F/ 3,830' T/ 3,997', WIRELINE SURVEY AT 3,953' 1.5 DEG, DRILL 12.25" HOLE F/ 3,997' T/ 4,031'													
24 HR SUMMARY: DRILL 12.25" HOLE F/ 2,855' T/ 3,830', LAST SURVEY 3,458' 0.9 DEG													
24 HR FORECAST: DRILL 12.25" HOLE													
OPERATION SUMMARY													
From	To	HRS	Op Phase	Op Code	PT/NPT	NPT CODES	ACTIVITY SUMMARY						
0:00	6:00	6.00	INT-DRL	DRLCPA	PP		DRILL 12.25" HOLE F/ 2,855' T/ 3,109'. LAST SURVEY 3,045' 1.4 DEG.						
6:00	14:00	8.00	INT-DRL	DRLCPA	PP		DRILL 12.25" HOLE F/ 3,109' T/ 3,467'. LAST SURVEY 3,426' 1.3 DEG.						
14:00	14:30	0.50	INT-DRL	RIGSER	PP		LUBRICATE RIG						
14:30	0:00	9.50	INT-DRL	DRLCPA	PP		DRILL 12.25" HOLE F/ 3,467' T/ 3,830'. LAST SURVEY 3,458' 0.9 DEG TELEDRIFT FAILURE, NO PULSE.						
24.00 = Total Hours Today													
06:00 UPDATE													
0000-0600 DRILL 12.25" HOLE F/ 3,830' T/ 3,997', WIRELINE SURVEY AT 3,953' 1.5 DEG, DRILL 12.25" HOLE F/ 3,997' T/ 4,031' TELEDRIFT FAILURE, NO PULSE.													
BIT DATA													
BIT / RUN	BIT SIZE (in)	MANUFACTURER		TYPE	SERIAL NO	JETS OR TFA	DEPTH IN / DATE IN		I-O-D-L-B-G-O-R				
2 / 1	12.250	SHEAR BITS, LTD		SM616	TJ1099	9x13	1,596.00 / 09-26-2012		-----				
BIT OPERATIONS													
BIT / RUN	WOB	RPM	FLOW RATE	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP		
2/1	15/19	90/100	491.28	1717	163	23.50	975.0	41.5	46.00	2,234.0	48.6		
MOTOR OUTPUT													
RPV: 0.22rev/gal				ROTARY CURRENT: 90				TOTAL RPM: 198					
LCM:				MUD PROPERTIES				MUD TYPE: Brine					
VIS (s/qt)	PV/YP (cp) / (lb/100ft²)	GELS (lb/100ft²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
29.00	1.00/1												0.10
Density (ppg)	10.00	ECD (ppg)	10.00	PP	DAILY COST		0.00	CUM COST	0	%OIL	% H2O		98.20



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WELLBORE NAME THREE BAR SHALLOW UNIT 103H										DATE 09-29-2012	
API # 4200344227 00		24 HRS PROG 975.0 (ft)		TMD 3,830.0 (ft)		TD TVD 3,829.0 (ft)		REPT NO 8			
BHA	2	JAR S/N		BHA / HOLE CONDITIONS				JAR HRS		BIT	2
BHA WT BELOW JARS		STRING WT UP		STRING WT DN		STRING WT ROT		TORQUE/UNITS		BHA LENGTH	
(kip)		130.0 (kip)		124.0 (kip)		128.0 (kip)		(ft-lbf)		656.29 (ft)	
COMPONENT TYPE		ITEM DESCRIPTION				NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
		SHEAR SM616 PDC				1	1.00	12.250			
		BAKER M1XL MM				1	34.92	7.875		6.625	API Reg
		TELEDRIFT				1	9.34	7.750	3.000	6.625	API Reg
		DC				1	30.31	7.750	3.000		
		IBS W/11" BLADES				1	6.60	7.750	3.000		
		DC				1	30.75	8.000	3.000		
		6.5" TO 8" XO SUB				1	2.80	6.125	3.000		
		6.5" DC				18	540.57	6.250	2.125	4.500	XH
SURVEY											
TYPE	MD (ft)	DEG (°)	AZI (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	V.SECT (ft)	D.L (°/100ft)			
	3,458.0	0.90	0.00	3,457.1	73.86	0.00	73.86	0.12			
	3,045.0	1.40	0.00	3,044.2	65.57	0.00	65.57	0.18			
CASING											
S/T	DESCRIPTION			SIZE	WEIGHT	GRADE		SETTING DEPTH			
00	SURFACE			13.375	48.00	H-40		1,596.0			
MUD PUMPS/HYDRAULICS				SPP: 1717 (psi)		SPR					
	STROKE	SPM	LINER	FLOW RATE	AV(DP):		SPM		PPSR		
# 1	10.00	120.00	6.500	491.3	AV(DC):						
					HP: 0.397 (hp/in²)						
PERSONNEL DATA											
COMPANY			QTY	HRS	COMPANY			QTY	HRS		
UNION DRILLING INC.			1	24.00	AIP			1	24.00		
UNION DRILLING INC.			10	120.00							
TOTAL PERSONNEL ON BOARD: 12											
TOTAL HOURS ON BOARD: 168											
MATERIALS/CONSUMPTION											
ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND				
DIESEL, RIG FUEL	gal	1212	3976								
SAFETY DRILLS											
RAMS (psi)	ANNULARS (psi)		CASING		LAST BOP PRESS TEST		NEXT BOP PRESS TEST		FIRE DRILL	H2S DRILL	ABND. DRILL
1000	09-29-2012 / 1000		09-27-2012 / 1000		09-27-2012		10-11-2012				
MUD INVENTORY											
ITEM	UNIT			USAGE		Daily Cost (\$)		ON HAND			
DRLG MUD				4,947.28		0.00		0.00			



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Daily Drilling Report

WELLBORE NAME THREE BAR SHALLOW UNIT 103H										DATE 09-30-2012			
API # 4200344227 00		24 HRS PROG 654.0 (ft)		TMD 4,484.0 (ft)		TD TVD 4,482.9 (ft)		REPT NO 9					
RIG NAME NO. UNION 215		FIELD NAME THREE BAR WICHITA ALBANY		AUTH TMD 12,000.00 (ft)		PLANNED DOW 26.00 (days)		DFS 5.75 (days)		DOL 8.25 (days)			
SPUD DATE 09-25-2012 06:00		RIG RELEASE		SUPERVISOR 1 JAMES HUDSON (903) 285 - 2686				ENGINEER JEREMY WARD		PBTMD			
REGION PERMIAN		DISTRICT ANDREWS - TX NCZ		STATE / PROV TEXAS		COUNTY / PARISH ANDREWS		RIG PHONE NO 281-366-0223		RIG FAX NO			
AFE # PA-12-0788-D		AFE COSTS		DAILY COSTS		CUMULATIVE COSTS							
DESCRIPTION: D&C A HORIZONTAL WICHITA ALBANY WELL		DHC: 1,817,000 DCC: CWC: Others: TOTAL: 1,817,000		DHC: 25,999 DCC: CWC: Others: TOTAL: 25,999		DHC: 435,122 DCC: CWC: Others: TOTAL: 435,122							
DEFAULT DATUM / ELEVATION RKB/RT / 3,321.0 (ft)		LAST SAFETY MEETING 9/30/2012		BLOCK		OCSG#		TARGET FORMATION WICHITA ALBANY		BHA HRS OF SERVICE			
LAST SURVEY MD 4,500.0 (ft) INC 0.70° AZM 0.00°				LAST CSG SHOE TEST (EMW)		LAST CASING 13.375 in @ 1,596.0 ft		NEXT CASING 9.625 in @ 4,700.0 ft					
CURRENT OPERATIONS: DRILL 12.25" HOLE F/ 4,484' T/ 4,557', LOST HALF OF DRILL STRING, POOH.													
24 HR SUMMARY: DRILL 12.25" HOLE F/ 3,830' T/ 4,484'. WIRELINE SURVEY 4,500' 0.7 DEG.													
24 HR FORECAST: POOH, REPLACE HYDROMATIC, RIH W/ FISHING TOOLS, FISH OUT BHA.													
OPERATION SUMMARY													
From	To	HRS	Op Phase	Op Code	PT/NPT	NPT CODES	ACTIVITY SUMMARY						
0:00	4:30	4.50	INT-DRL	DRLCPA	PP		DRILL 12.25" HOLE F/ 3,830' T/ 3,997'. LAST SURVEY 3,458' 0.9 DEG.						
4:30	5:00	0.50	INT-DRL	DEVSUR	PP		WIRELINE SURVEY AT 3,953' 1.5 DEG.						
5:00	16:00	11.00	INT-DRL	DRLCPA	PP		DRILL 12.25" HOLE F/ 3,997' T/ 4,347'. LAST SURVEY 3,953' 1.5 DEG.						
16:00	16:30	0.50	INT-DRL	RIGSER	PP		LUBRICATE RIG						
16:30	0:00	7.50	INT-DRL	DRLCPA	PP		DRILL 12.25" HOLE F/ 4,347' T/ 4,484'. LAST SURVEY 4,500' 0.7 DEG. LIGHTENING STORM SHUT DOWN CAMP OFFICE GENERATOR F/ 10:30 HRS 9/30/2012 T/ 01:00 HRS 10/01/2012.						
24.00 = Total Hours Today													
06:00 UPDATE													
0000-0600 DRILL 12.25" HOLE F/4,484' T/ 4,557'. LAST SURVEY 4,500' 0.7 DEG. LOST HALF OF STRING WEIGHT (140K TO 70K), CIRC. BU, POOH CAMP OFFICE GENERATOR FAILURE, LOST PASON RECORD F/ 22:30HRS 9/30/2012 T/ 01:00HRS 10/01/2012.													
BIT DATA													
BIT / RUN	BIT SIZE (in)	MANUFACTURER		TYPE	SERIAL NO	JETS OR TFA	DEPTH IN / DATE IN		I-O-D-L-B-G-O-R				
2 / 1	12.250	SHEAR BITS, LTD		SM616	TJ1099	9x13	1,596.00 / 09-26-2012		-----				
BIT OPERATIONS													
BIT / RUN	WOB	RPM	FLOW RATE	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP		
2/1	15/25	80/100	491.28	1640	163	23.50	654.0	27.8	69.50	2,888.0	41.6		
MOTOR OUTPUT													
RPV: 0.22rev/gal		ROTARY CURRENT: 90				TOTAL RPM: 198							
LCM:		MUD PROPERTIES				MUD TYPE: Brine							
VIS (s/qt)	PV/YP (cp) / (lb/100ft²)	GELS (lb/100ft²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
34.00	1.00/1												0.20
Density (ppg)	10.00	ECD (ppg)	10.00	PP		DAILY COST	0.00	CUM COST	0	%OIL		% H2O	98.10

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Daily Drilling Report

WELLBORE NAME										DATE	
THREE BAR SHALLOW UNIT 103H										09-30-2012	
API #		24 HRS PROG		TMD		TD TVD		REPT NO			
4200344227 00		654.0 (ft)		4,484.0 (ft)		4,482.9 (ft)		9			
BHA	2	JAR S/N		BHA / HOLE CONDITIONS			JAR HRS		BIT	2	
BHA WT BELOW JARS		STRING WT UP		STRING WT DN		STRING WT ROT		TORQUE/UNITS		BHA LENGTH	
(kip)		138.0 (kip)		129.0 (kip)		134.0 (kip)		(ft-lbf)		656.29 (ft)	
COMPONENT TYPE		ITEM DESCRIPTION			NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE	
		SHEAR SM616 PDC			1	1.00	12.250				
		BAKER M1XL MM			1	34.92	7.875		6.625	API Reg	
		TELEDRIFT			1	9.34	7.750	3.000	6.625	API Reg	
		DC			1	30.31	7.750	3.000			
		IBS W/11" BLADES			1	6.60	7.750	3.000			
		DC			1	30.75	8.000	3.000			
		6.5" TO 8" XO SUB			1	2.80	6.125	3.000			
		6.5" DC			18	540.57	6.250	2.125	4.500	XH	
SURVEY											
TYPE	MD (ft)	DEG (°)	AZI (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	V.SECT (ft)	D.L (°/100ft)			
	4,500.0	0.70	0.00	4,498.9	94.72	0.00	94.72	0.15			
	3,953.0	1.50	0.00	3,952.0	84.22	0.00	84.22	0.12			
CASING											
S/T	DESCRIPTION			SIZE	WEIGHT	GRADE		SETTING DEPTH			
00	SURFACE			13.375	48.00	H-40		1,596.0			
MUD PUMPS/HYDRAULICS				SPP: 1640 (psi)		SPR					
	STROKE	SPM	LINER	FLOW RATE	AV(DP):	SPM		PPSR			
# 2	10.00	120.00	6.500	491.3	AV(DC):						
					HP: 0.397 (hp/in²)						
PERSONNEL DATA											
COMPANY		QTY	HRS	COMPANY			QTY	HRS			
UNION DRILLING INC.		1	24.00	AIP			1	24.00			
UNION DRILLING INC.		10	120.00								
TOTAL PERSONNEL ON BOARD: 12											
TOTAL HOURS ON BOARD: 168											
MATERIALS/CONSUMPTION											
ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND				
DIESEL, RIG FUEL	gal	1136	2840								
SAFETY DRILLS											
RAMS (psi)	ANNULARS (psi)		CASING	LAST BOP PRESS TEST	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	ABND. DRILL			
1000	09-29-2012 / 1000		09-27-2012 / 1000	09-27-2012	10-11-2012						
MUD INVENTORY											
ITEM	UNIT		USAGE	Daily Cost (\$)		ON HAND					
DRLG MUD				0.00		0.00					



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Daily Drilling Report

WELLBORE NAME THREE BAR SHALLOW UNIT 103H						DATE 10-01-2012					
API # 4200344227 00		24 HRS PROG 73.0 (ft)		TMD 4,557.0 (ft)		TD TVD 4,555.9 (ft)		REPT NO 10			
RIG NAME NO. UNION 215		FIELD NAME THREE BAR WICHITA ALBANY		AUTH TMD 11,822.00 (ft)		PLANNED DOW 26.00 (days)		DFS 6.75 (days)		DOL 9.25 (days)	
SPUD DATE 09-25-2012 06:00		RIG RELEASE		SUPERVISOR 1 JAMES HUDSON (903) 285 - 2686				ENGINEER JEREMY WARD		PBTMD	
REGION PERMIAN		DISTRICT ANDREWS - TX NCZ		STATE / PROV TEXAS		COUNTY / PARISH ANDREWS		RIG PHONE NO 281-366-0223		RIG FAX NO	
AFE # PA-12-0788-D		AFE COSTS		DAILY COSTS				CUMULATIVE COSTS			
DESCRIPTION: D&C A HORIZONTAL WICHITA ALBANY WELL		DHC: 1,817,000 DCC: CWC: Others: TOTAL: 1,817,000		DHC: 120,768 DCC: CWC: Others: TOTAL: 120,768				DHC: 555,890 DCC: CWC: Others: TOTAL: 555,890			
DEFAULT DATUM / ELEVATION RKB/RT / 3,321.0 (ft)		LAST SAFETY MEETING 10/1/2012		BLOCK		OCSG#		TARGET FORMATION WICHITA ALBANY		BHA HRS OF SERVICE	
LAST SURVEY				LAST CSG SHOE TEST (EMW)		LAST CASING		NEXT CASING			
MD 4,500.0 (ft) INC 0.70° AZM 0.00°						13.375 in @ 1,596.0 ft		9.625 in @ 4,700.0 ft			
CURRENT OPERATIONS: TOH W/ FISH; TOTAL RECOVERY											
24 HR SUMMARY: DRILL TO 4,557'; TWISTED OFF. LOST 70K STRING WEIGHT, TOH DP, REPLACED HYDROMATIC, TIH W/ SMITH FISHING TOOLS; ENGAGE AND TOH W/ FISH											
24 HR FORECAST: FINISH TOH W/ FIAAH; TIH W/ BHA # 3; RESUME DRILLING											
OPERATION SUMMARY											
From	To	HRS	Op Phase	Op Code	PT/NPT	NPT CODES	ACTIVITY SUMMARY				
0:00	4:30	4.50	INT-DRL	DRLG	PP		DRILL 12.25" HOLE F/ 4,484' T/ 4,557'. WIRELINE SURVEY 4,500', 0.7 DEG. CLOSE MUD RETURN'S TO STEEL PIT'S AND STARCH UP MUD TO LOWER WATER LOSSES.				
4:30	6:00	1.50	INT-DRL	CIRC	PN	FS	DRILL STRING SEPERATED, LOST STRING WEIGHT F/ 140K T/ 70K. CIRCULATE HOLE CLEAN, WHILE NOTIFYING SUPERIOR'S AND SMITH FISHING HAND.				
6:00	7:30	1.50	INT-DRL	TRIP	PN	FS	TOH, LEAVING 2244 OF DRILL STRING IN HOLE W/ BHA;. DP SEPERATED AT THE TAPER OF PIN END OF DP. TOF @ 2,320'				
7:30	14:30	7.00	INT-DRL	RIGSER	PN	DW	RIG CREW UNBOLT HYDROMATIC FOR REPLACEMENT. MECHANIC ARRIVED AT 10:00 HRS TO SWEAT SHAFT SLEEVE OFF. CRANE ARRIVED AT 10:30 HRS TO REMOVE HYDROMATIC AND INSTALL REPLACEMENT. REPLACE FAILED HYDROMATIC.				
14:30	15:30	1.00	INT-DRL	TRIPBHA	PN	FS	PU AND LOAD OUT RIG FLOOR WITH SMITH FISHING TOOL'S. START MAKE UP OF FISHING TOOL'S.				
15:30	19:30	4.00	INT-DRL	TRIPBHA	PN	FS	SMITH FISHING TOOL'S AND BHA TIH; 7.625" OVERSHOT W/ 10.625" OVERSIZED GUIDE AND 6.25" GRAPPLE. 4.03' LONG 7.625" X 6.5625" EXTENSION. 3.00' LONG 6.25" BUMPER SUB, 6.25" X 2.25'. 8.00' LONG 6.25" JARS 6.25" X 2.25". 14.54' LONG XO SUB 4.5" FH PIN X 4.5" XH BOX, 6.25" X 2.25". 1.1' LONG 8- 6.5" DC. TOTAL LENGTH 237' XO SUB 4.5" XH PIN X 4.5" FH BOX, 6.5" X 2.8125". 1.9' LONG ACCELERATOR 6.25" X 2.25". 12.7' LONG XO SUB 4.5" FH PIN X 4.5" XH BOX, 6.4375" X 2.125". 1' LONG. TOTAL LENGTH = 283.27'				
19:30	21:00	1.50	INT-DRL	RIH	CN	FS	TIH WITH FISHING ASSEMBLY				
21:00	0:00	3.00	INT-DRL	POOH	CN	FS	TAGGED TOP OF FISH AT 2320'. S ENGAGE FISH; DID NOT JAR; TOH W/ FISH				
24.00 = Total Hours Today											
06:00 UPDATE											
0000-0600 TOH W/ FISHING; LAY DOWN JAR ASSEMBLY; FINISH TOH W/ FISH											



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Daily Drilling Report

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WELLBORE NAME THREE BAR SHALLOW UNIT 103H				DATE 10-01-2012
API # 4200344227 00	24 HRS PROG 73.0 (ft)	TMD 4,557.0 (ft)	TD TVD 4,555.9 (ft)	REPT NO 10

BIT DATA

BIT / RUN	BIT SIZE (in)	MANUFACTURER	TYPE	SERIAL NO	JETS OR TFA	DEPTH IN / DATE IN	I-O-D-L-B-G-O-R
2 / 1	12.250	SHEAR BITS, LTD	SM616	TJ1099	9x13	1,596.00 / 09-26-2012	-----

BIT OPERATIONS

BIT / RUN	WOB	RPM	FLOW RATE	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP
2/1	15/24	80/100	491.28	1385	163	4.50	73.0	16.2	74.00	2,961.0	40.0

MOTOR OUTPUT

RPV: 0.22rev/gal	ROTARY CURRENT: 80	TOTAL RPM: 188
LCM:	MUD PROPERTIES	MUD TYPE: Brine

VIS (s/qt)	PV/YP (cp) / (lb/100ft ²)	GELS (lb/100ft ²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
34.00	4.00/1	2/1	18.0	1.0									1.00
Density (ppg)	10.15	ECD (ppg)	10.20	PP	DAILY COST	0.00	CUM COST	0	%OIL	% H2O	97.70		

BHA	2	JAR S/N	BHA / HOLE CONDITIONS	JAR HRS	BIT	2
BHA WT BELOW JARS	STRING WT UP	STRING WT DN	STRING WT ROT	TORQUE/UNITS	BHA LENGTH	
(kip)	144.0 (kip)	136.0 (kip)	140.0 (kip)	(ft-lbf)	656.29 (ft)	

COMPONENT TYPE	ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
	SHEAR SM616 PDC	1	1.00	12.250			
	BAKER M1XL MM	1	34.92	7.875		6.625	API Reg
	TELEDRIFT	1	9.34	7.750	3.000	6.625	API Reg
	DC	1	30.31	7.750	3.000		
	IBS W/11" BLADES	1	6.60	7.750	3.000		
	DC	1	30.75	8.000	3.000		
	6.5" TO 8" XO SUB	1	2.80	6.125	3.000		
	6.5" DC	18	540.57	6.250	2.125	4.500	XH

SURVEY

TYPE	MD (ft)	DEG (°)	AZI (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	V.SECT (ft)	D.L (°/100ft)
	4,500.0	0.70	0.00	4,498.9	94.72	0.00	94.72	0.15

CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
00	SURFACE	13.375	48.00	H-40	1,596.0

MUD PUMPS/HYDRAULICS					SPR		
	STROKE	SPM	LINER	FLOW RATE	AV(DP):	SPM	PPSR
# 2	10.00	120.00	6.500	491.3	AV(DC):		
					HP: 0.397 (hp/in ²)		

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
AIP	1	24.00	UNION DRILLING INC.	1	24.00
UNION DRILLING INC.	10	120.00			

TOTAL PERSONNEL ON BOARD: 12

TOTAL HOURS ON BOARD: 168



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Daily Drilling Report

WELLBORE NAME THREE BAR SHALLOW UNIT 103H										DATE 10-02-2012			
API # 4200344227 00		24 HRS PROG 158.0 (ft)		TMD 4,715.0 (ft)		TD TVD 4,713.9 (ft)		REPT NO 11					
RIG NAME NO. UNION 215		FIELD NAME THREE BAR WICHITA ALBANY		AUTH TMD 11,822.00 (ft)		PLANNED DOW 26.00 (days)		DFS 7.75 (days)		DOL 10.25 (days)			
SPUD DATE 09-25-2012 06:00		RIG RELEASE		SUPERVISOR 1 JAMES HUDSON (903) 285 - 2686				ENGINEER JEREMY WARD		PBTMD			
REGION PERMIAN		DISTRICT ANDREWS - TX NCZ		STATE / PROV TEXAS		COUNTY / PARISH ANDREWS		RIG PHONE NO 281-366-0223		RIG FAX NO			
AFE # PA-12-0788-D		AFE COSTS		DAILY COSTS		CUMULATIVE COSTS							
DESCRIPTION: D&C A HORIZONTAL WICHITA ALBANY WELL		DHC: 1,817,000 DCC: CWC: Others: TOTAL: 1,817,000		DHC: 65,963 DCC: CWC: Others: TOTAL: 65,963		DHC: 621,853 DCC: CWC: Others: TOTAL: 621,853							
DEFAULT DATUM / ELEVATION RKB/RT / 3,321.0 (ft)		LAST SAFETY MEETING 10/2/2012		BLOCK		OCSG#		TARGET FORMATION WICHITA ALBANY		BHA HRS OF SERVICE			
LAST SURVEY MD 4,500.0 (ft) INC 0.70° AZM 0.00°				LAST CSG SHOE TEST (EMW)		LAST CASING 13.375 in @ 1,596.0 ft		NEXT CASING 9.625 in @ 4,700.0 ft					
CURRENT OPERATIONS: TOH TO RUN INTERMEDIATE CSG.													
24 HR SUMMARY: TOH WITH FISH; RECOVER ALL FISH; TIH W/ PDC BIT; DRILL TO 4715' TD; CIRCULATE HOLE													
24 HR FORECAST: TOH, LAY DOWN BHA, RIH 9.625" CASING, CEMENT, INSTALL B-SECTION WELLHEAD, NU BOP AND TEST.													
OPERATION SUMMARY													
From	To	HRS	Op Phase	Op Code	PT/NPT	NPT CODES	ACTIVITY SUMMARY						
0:00	1:00	1.00	INT-DRL	POOH	PN	FS	TOH WITH FISH TO OVERSHOT.						
1:00	2:30	1.50	INT-DRL	PU_LD	PN	FS	LAY DOWN FISHING TOOL'S.						
2:30	4:30	2.00	INT-DRL	PU_LD	PN	FS	TIH 8 - 6.5" DC AND LAY DOWN SAME						
4:30	8:00	3.50	INT-DRL	POOH	PN	FS	TOH W/ FISH; RECOVER ALL FISH.						
8:00	15:00	7.00	INT-DRL	RIH	PP		TIH W/ SHEAR PDC BIT.						
15:00	0:00	9.00	INT-DRL	DRLG	PP		REAM TO BOTTOM; DRILL F/ 4,557' TO 4715' TD						
24.00 = Total Hours Today													
06:00 UPDATE													
0000-0600 CIRCULATE , RUN WIRELINE GYRO-DATA SURVEY, TOH TO RUN INTERMEDAITE CSG.													
BIT DATA													
BIT / RUN		BIT SIZE (in)	MANUFACTURER		TYPE	SERIAL NO	JETS OR TFA	DEPTH IN / DATE IN		I-O-D-L-B-G-O-R			
3 / 1		12.250	Shear		SM616	HB003Y	9x13	4,557.00 / 10-02-2012		-----			
2 / 1		12.250	SHEAR BITS, LTD		SM616	TJ1099	9x13	1,596.00 / 09-26-2012		5-5-BT-S-0-4-CT-LIH			
BIT OPERATIONS													
BIT / RUN	WOB	RPM	FLOW RATE	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP		
3/1	15/26	80/110	491.28	1304	163	9.00	158.0	17.6	9.00	158.0	17.6		
MOTOR OUTPUT													
RPV:			ROTARY CURRENT: 110			TOTAL RPM: 110							
LCM:			MUD PROPERTIES			MUD TYPE: Brine							
VIS (s/qt)	PV/YP (cp) / (lb/100ft²)	GELS (lb/100ft²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
34.00	1.00/2	1/1	17.0										0.70
Density (ppg)	10.00	ECD (ppg)	10.00	PP		DAILY COST	5,798.87	CUM COST	13,758	%OIL		% H2O	97.50

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Daily Drilling Report

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WELLBORE NAME THREE BAR SHALLOW UNIT 103H										DATE 10-02-2012	
API # 4200344227 00		24 HRS PROG 158.0 (ft)		TMD 4,715.0 (ft)		TD TVD 4,713.9 (ft)		REPT NO 11			
BHA	3	JAR S/N		BHA / HOLE CONDITIONS				JAR HRS		BIT	3
BHA WT BELOW JARS		STRING WT UP		STRING WT DN		STRING WT ROT		TORQUE/UNITS		BHA LENGTH	
(kip)		150.0 (kip)		140.0 (kip)		145.0 (kip)		(ft-lbf)		625.83 (ft)	
COMPONENT TYPE		ITEM DESCRIPTION				NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
		6.5" DC				18	540.57	6.250	2.125	4.500	XH (EH)
		6.5" TO 8" XO SUB				1	2.80	6.125	3.000	4.500	XH (EH)
		DC				1	30.75	8.000	3.000	6.625	6-5/8" Reg
		IBS W/11" BLADES				1	6.60	7.750	3.000	6.625	6-5/8" Reg
		DC				1	30.31	7.750	3.000	6.625	6-5/8" Reg
		SHOCK SUB				1	13.80	7.750	3.000	6.625	6-5/8" Reg
		12.25" PDC BIT				1	1.00	12.250		6.625	API Reg
CASING											
S/T	DESCRIPTION			SIZE		WEIGHT		GRADE		SETTING DEPTH	
00	SURFACE			13.375		48.00		H-40		1,596.0	
MUD PUMPS/HYDRAULICS					SPP: 1304 (psi)		SPR				
	STROKE	SPM	LINER	FLOW RATE	AV(DP):		SPM		PPSR		
					AV(DC):						
# 2	10.00	120.00	6.500	491.3	HP: 0.397 (hp/in²)						
PERSONNEL DATA											
COMPANY			QTY	HRS	COMPANY			QTY	HRS		
UNION DRILLING INC.			1	24.00	AIP			1	24.00		
UNION DRILLING INC.			10	120.00							
TOTAL PERSONNEL ON BOARD: 12											
TOTAL HOURS ON BOARD: 168											
MATERIALS/CONSUMPTION											
ITEM	UNITS	USAGE	ON HAND		ITEM	UNITS	USAGE	ON HAND			
DIESEL, RIG FUEL	gal	1386	5170								
SAFETY DRILLS											
RAMS (psi)	ANNULARS (psi)		CASING		LAST BOP PRESS TEST		NEXT BOP PRESS TEST		FIRE DRILL	H2S DRILL	ABND. DRILL
1000	09-29-2012 / 1000		09-27-2012 / 1000		09-27-2012		10-11-2012				
MUD INVENTORY											
ITEM	UNIT			USAGE		Daily Cost (\$)		ON HAND			
DRLG MUD				5,798.87		5,798.87		0.00			



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Daily Drilling Report

WELLBORE NAME THREE BAR SHALLOW UNIT 103H						DATE 10-03-2012					
API # 4200344227 00		24 HRS PROG 0.0 (ft)		TMD 4,715.0 (ft)		TD TVD 4,714.3 (ft)		REPT NO 12			
RIG NAME NO. UNION 215		FIELD NAME THREE BAR WICHITA ALBANY		AUTH TMD 11,822.00 (ft)		PLANNED DOW 26.00 (days)		DFS 8.75 (days)		DOL 11.25 (days)	
SPUD DATE 09-25-2012 06:00		RIG RELEASE		SUPERVISOR 1 JAMES HUDSON (903) 285 - 2686				ENGINEER JEREMY WARD		PBTMD	
REGION PERMIAN		DISTRICT ANDREWS - TX NCZ		STATE / PROV TEXAS		COUNTY / PARISH ANDREWS		RIG PHONE NO 281-366-0223		RIG FAX NO	
AFE # PA-12-0788-D		AFE COSTS		DAILY COSTS				CUMULATIVE COSTS			
DESCRIPTION: D&C A HORIZONTAL WICHITA ALBANY WELL		DHC: 1,817,000 DCC: CWC: Others: TOTAL: 1,817,000		DHC: 38,417 DCC: CWC: Others: TOTAL: 38,417				DHC: 660,270 DCC: CWC: Others: TOTAL: 660,270			
DEFAULT DATUM / ELEVATION RKB/RT / 3,321.0 (ft)		LAST SAFETY MEETING 10/3/2012		BLOCK		OCSG#		TARGET FORMATION WICHITA ALBANY		BHA HRS OF SERVICE	
LAST SURVEY				LAST CSG SHOE TEST (EMW)		LAST CASING		NEXT CASING			
MD 4,669.0 (ft) INC 1.14° AZM 65.84°						13.375 in @ 1,596.0 ft		9.625 in @ 4,700.0 ft			
CURRENT OPERATIONS: LIFT BOP, SET CSG SLIP'S, INSTALL B-SECTION WELLHEAD											
24 HR SUMMARY: RUN WIRELINE GYRO SURVEY, TOH, LAY DOWN BHA, RIH 9.625" CSG T/ 4,711', CEMENT											
24 HR FORECAST: INSTALL BOP STACK, TEST BOP, TIH W/ BHA #4, TEST CSG, DRILL SHOE TRACK, RUN GYRO SURVEY, DRILL 8.75" HOLE											
OPERATION SUMMARY											
From	To	HRS	Op Phase	Op Code	PT/NPT	NPT CODES	ACTIVITY SUMMARY				
0:00	1:00	1.00	INT-DRL	CIRC	PN		CIRCULATE WHILE WAITING ON GYRO-DATA TO ARRIVE.				
1:00	5:30	4.50	INT-DRL	DEVSUR	PP		WIRELINE GYRO-DATA SURVEY LOG. TRUCK ARRIVED LATE, ALSO HAD ELECTRONIC PROBLEM'S.				
5:30	10:30	5.00	INT-DRL	TRIP	PP		TOH F/ 4715' AND LAY DOWN BHA. NOTIFIED TRRC OF INTENT TO RIH 9.625" CASING AND CEMENT AT 08:00 HRS 10/03/2012, SPOKE TO CHISTA.				
10:30	19:00	8.50	INT-CSG	CSG	PP		HSM, RU CSG TOOL'S. RUN 17 JNT'S 9.625", 40#, HCK55, LTC CSG, 96 JNT'S 9.625", 40#, J55, LTC CSG, FLOAT SHOE AND FLOAT COLLAR . FLOAT COLLAR SET @ 4,665.26', CASING SET @ 4,711' , WASHED 7' OF FILL ON JNT # 113. USED 40 BOW CENTRILIZER'S. RD CSG TOOL'S AND LAY DOWN TRUCK.				
19:00	0:00	5.00	INT-CMT	CMTPRI	PP		RU HLS; HSM; PUMP 20 BBLS H2O AHEAD LEAD: W/ 1300 SKS ECONOCHEM HLTRCC; MIX @ 11.9 PPG @ 2.43 CUFT/SK; 563 BBLS SLY. TAIL: W/ 250 SKS HALCEM-C; MIX @ 14.8 PPG @ 1.33 CUFT/SK; 42 BBLS SLY DISPLACE W/ 354 BBLS 10 PPG BRINE BP @ 23:30 PM 10/03/2012 W/ 1400 PSI; PRIOR PSI @ 800 # FLOAT HELD OK; NO CEMENT RETURNED TO SURFACE, GOOD RETURNS THRU CEMENTING SCHEDULE. RD CMT IRON.				
24.00 = Total Hours Today											
06:00 UPDATE											
0000-0600 SET 147K ON CASING SLIP'S, INSTALL B-SECTION OF WELL HEAD											
BIT DATA											
BIT / RUN	BIT SIZE (in)	MANUFACTURER		TYPE	SERIAL NO	JETS OR TFA	DEPTH IN / DATE IN		I-O-D-L-B-G-O-R		
3 / 1	12.250	Shear		SM616	HB003Y	9x13	4,557.00 / 10-02-2012		1-1-CT-S-0- -FC-TD		
MOTOR OUTPUT											
RPV:				ROTARY CURRENT:				TOTAL RPM:			

Printed: 10/4/2012 7:29:53AM



APACHE CORPORATION
Daily Drilling Report

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WELLBORE NAME				DATE
THREE BAR SHALLOW UNIT 103H				10-03-2012
API #	24 HRS PROG	TMD	TD TVD	REPT NO
4200344227 00	0.0 (ft)	4,715.0 (ft)	4,714.3 (ft)	12

LCM:	MUD PROPERTIES										MUD TYPE:
------	----------------	--	--	--	--	--	--	--	--	--	-----------

VIS (s/qt)	PV/YP (cp) / (lb/100ft ²)	GELS (lb/100ft ²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)

				PP		DAILY COST	0.00	CUM COST	15,246	%OIL		% H2O	
--	--	--	--	----	--	------------	------	----------	--------	------	--	-------	--

BHA	3	JAR S/N		BHA / HOLE CONDITIONS					JAR HRS		BIT	
-----	---	---------	--	-----------------------	--	--	--	--	---------	--	-----	--

BHA WT BELOW JARS		STRING WT UP		STRING WT DN		STRING WT ROT		TORQUE/UNITS		BHA LENGTH		
(kip)		(kip)		(kip)		(kip)		(ft-lbf)		625.83 (ft)		

COMPONENT TYPE	ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
	6.5" DC	18	540.57	6.250	2.125	4.500	XH (EH)
	6.5" TO 8" XO SUB	1	2.80	6.125	3.000	4.500	XH (EH)
	DC	1	30.75	8.000	3.000	6.625	6-5/8" Reg
	IBS W/11" BLADES	1	6.60	7.750	3.000	6.625	6-5/8" Reg
	DC	1	30.31	7.750	3.000	6.625	6-5/8" Reg
	SHOCK SUB	1	13.80	7.750	3.000	6.625	6-5/8" Reg
	12.25" PDC BIT	1	1.00	12.250		6.625	API Reg



APACHE CORPORATION
Daily Drilling Report

Page 3 of 4

WELLBORE NAME THREE BAR SHALLOW UNIT 103H					DATE 10-03-2012	
API # 4200344227 00	24 HRS PROG 0.0 (ft)	TMD 4,715.0 (ft)	TD TVD 4,714.3 (ft)		REPT NO 12	

SURVEY

TYPE	MD (ft)	DEG (°)	AZI (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	V.SECT (ft)	D.L (°/100ft)
Tie On	4,669.0	1.14	65.84	4,668.4	16.85	51.87	16.85	0.00
	4,669.0	1.14	65.84	4,668.4	16.85	51.87	16.85	3.65
	4,600.0	1.42	225.38	4,599.3	17.17	51.85	17.17	2.33
	4,500.0	1.19	351.90	4,499.3	17.01	52.88	17.01	1.84
	4,400.0	1.13	97.23	4,399.3	16.11	52.05	16.11	2.01
	4,300.0	0.99	240.57	4,299.3	16.66	51.82	16.66	2.01
	4,200.0	1.02	61.54	4,199.4	16.66	51.79	16.66	1.86
	4,100.0	0.98	285.34	4,099.4	16.01	51.83	16.01	1.41
	4,000.0	0.92	189.92	3,999.4	16.57	52.80	16.57	0.81
	3,900.0	1.06	142.25	3,899.4	18.09	52.37	18.09	0.83
	3,800.0	1.09	96.82	3,799.4	18.94	50.86	18.94	0.23
	3,700.0	1.27	90.07	3,699.4	19.05	48.80	19.05	0.10
	3,600.0	1.20	86.90	3,599.4	19.00	46.65	19.00	0.13
	3,500.0	1.12	91.95	3,499.5	18.97	44.63	18.97	0.06
	3,400.0	1.15	89.56	3,399.5	19.00	42.65	19.00	0.09
	3,300.0	1.06	88.71	3,299.5	18.97	40.72	18.97	0.08
	3,200.0	1.00	91.27	3,199.5	18.97	38.92	18.97	0.16
	3,100.0	1.16	91.27	3,099.5	19.01	37.04	19.01	0.05
	3,000.0	1.15	88.68	2,999.6	19.01	35.02	19.01	0.09
	2,900.0	1.11	92.55	2,899.6	19.03	33.05	19.03	0.25
	2,800.0	1.33	87.25	2,799.6	19.02	30.93	19.02	0.53
	2,700.0	1.78	76.99	2,699.6	18.61	28.25	18.61	0.20
	2,600.0	1.94	73.43	2,599.7	17.78	25.12	17.78	0.14
	2,500.0	1.94	69.22	2,499.7	16.70	21.91	16.70	0.10
	2,400.0	1.84	69.70	2,399.8	15.54	18.82	15.54	0.20
	2,300.0	1.64	69.11	2,299.8	14.47	15.98	14.47	0.34
	2,200.0	1.30	68.51	2,199.9	13.55	13.59	13.55	0.35
	2,100.0	0.95	70.63	2,099.9	12.86	11.75	12.86	0.10
	2,000.0	0.88	66.47	1,999.9	12.27	10.27	12.27	0.26
	1,900.0	0.63	72.00	1,899.9	11.80	9.04	11.80	0.07
	1,800.0	0.61	65.73	1,799.9	11.41	8.03	11.41	0.03
	1,700.0	0.59	67.57	1,699.9	10.99	7.07	10.99	0.20
	1,600.0	0.49	49.63	1,599.9	10.52	6.27	10.52	0.54
	1,500.0	0.37	333.49	1,499.9	9.95	6.09	9.95	0.09
	1,400.0	0.46	335.50	1,399.9	9.30	6.40	9.30	0.04
	1,300.0	0.44	339.31	1,299.9	8.58	6.70	8.58	0.06
	1,200.0	0.39	343.34	1,199.9	7.89	6.93	7.89	0.14
	1,100.0	0.47	358.11	1,099.9	7.15	7.04	7.15	0.25
	1,000.0	0.62	19.08	1,000.0	6.23	6.88	6.23	0.13
	900.0	0.67	30.00	900.0	5.22	6.41	5.22	0.06
	800.0	0.67	34.95	800.0	4.23	5.78	4.23	0.19
	700.0	0.55	48.34	700.0	3.43	5.09	3.43	0.02
	600.0	0.55	50.67	600.0	2.81	4.36	2.81	0.09
	500.0	0.52	59.92	500.0	2.28	3.60	2.28	0.07
	400.0	0.58	56.63	400.0	1.77	2.78	1.77	0.03
	100.0	0.54	58.46	100.0	0.25	0.40	0.25	0.54
Tie On	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00

CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
00	SURFACE	13.375	48.00	H-40	1,596.0



APACHE CORPORATION

Chronological Report

REGION: PERMIAN

OPERATED

EVENT: LAND-ORIG DRLG

WELL NAME: THREE BAR SHALLOW UNIT 103H

OPERATOR: APACHE CORPORATION

FIELD: THREE BAR WICHITA
ALBANY

COUNTY:

FORMATION: WICHITA ALBANY

APA WI%: 100.00000 (%)

LOCATON: 10' FSL & 400' FWL, SEC 8, BLK 11, UL, A-400

DISTRICT: ANDREWS - TX NCZ

STATE: TEXAS

CONTRACTOR:

PLAN DEPTH: 11,822.0 (ft)

SPUD DATE: 9/25/2012

REPORT DATE: 10/4/2012

MD: 4,740.0 (ft)

24 HR PROG: 25.0 (ft)

DAILY DHC: 99,766.29

DAILY DCC:

DAILY CWC:

Daily Others:

DAILY TOTAL: 99,766

TVD: 4,739.3 (ft)

ROT HRS: 1.00 (hr)

DFS: 9.75 (days)

MW: 9.50 (ppg)

CUM DHC: 760,036.38

CUM DCC:

CUM CWC:

CUM Others:

CUM TOTAL: 760,036.38

REPORT NO : 13

DOL: 12.25 (days)

VIS: 30.00 (s/qt)

CURRENT STATUS: DIR DRLG @ 4905'; . LAST SURVEY AT 4848' MD; 4846' TVD, 1.41 INC, 48.91 AZM . 20' AHEAD, 70' RIGHT; NO ISSI

24 HR FORECAST: DIR ,DRLG NEW HOLE TO KOP; & BUILD CURVE

DAILY OPS: INSTALLED B-SECTION (13.625" 3K X 11" 5K) WELLHEAD; NU BOPE TEST; P/U 1.8 DIR
MOTOR & HUGHES Q408FX PDC BIT; TIH TEST PIPE RAMS & HYDRILL; DRLG CEMENT &
SHOE; R/U & RUN WIRE LINE GYRO; DIR DRLG F/ 4715 T 4740

06:00 UPDATE:: DIR DRLG @ 4905'; . LAST SURVEY AT 4848' MD, 4846' TVD, 1.41 INC, 48.91 AZM . 20' AHEAD, 70'
RIGHT; NO ISSUES



APACHE CORPORATION

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Daily Drilling Report

WELLBORE NAME THREE BAR SHALLOW UNIT 103H										DATE 10-05-2012			
API # 4200344227 00		24 HRS PROG 504.0 (ft)		TMD 5,244.0 (ft)		TD TVD 5,242.3 (ft)		REPT NO 14					
RIG NAME NO. UNION 215		FIELD NAME THREE BAR WICHITA ALBANY		AUTH TMD 11,822.00 (ft)		PLANNED DOW 26.00 (days)		DFS 10.75 (days)		DOL 13.25 (days)			
SPUD DATE 09-25-2012 06:00		RIG RELEASE		SUPERVISOR 1 CLYDE VELTMANN 575-937-6940			ENGINEER JEREMY WARD			PBTMD 5,244.0 (ft)			
REGION PERMIAN		DISTRICT ANDREWS - TX NCZ		STATE / PROV TEXAS		COUNTY / PARISH ANDREWS		RIG PHONE NO 281-366-0223		RIG FAX NO			
AFE # PA-12-0788-D		AFE COSTS		DAILY COSTS		CUMULATIVE COSTS							
DESCRIPTION: D&C A HORIZONTAL WICHITA ALBANY WELL		DHC: 1,817,000 DCC: CWC: Others: TOTAL: 1,817,000		DHC: 35,019 DCC: CWC: Others: TOTAL: 35,019		DHC: 795,056 DCC: CWC: Others: TOTAL: 795,056							
DEFAULT DATUM / ELEVATION RKB/RT / 3,321.0 (ft)		LAST SAFETY MEETING		BLOCK		OCSG#		TARGET FORMATION WICHITA ALBANY		BHA HRS OF SERVICE			
LAST SURVEY				LAST CSG SHOE TEST (EMW)		LAST CASING		NEXT CASING					
MD 5,194.0 (ft) INC 6.51° AZM 349.32°						13.375 in @ 1,596.0 ft		9.625 in @ 4,700.0 ft					
CURRENT OPERATIONS: TOH F NEW BIT, NO OTHER ISSUES													
24 HR SUMMARY: DRLG F/ 4,740' TO 5,244', RUNNING SURVEYS ON EACH CONNECTION													
24 HR FORECAST: TOH FOR NEW BIT, TIH, DIR DRLG NEW HOLE TO KOP; & BUILD CURVE													
OPERATION SUMMARY													
From	To	HRS	Op Phase	Op Code	PT/NPT	NPT CODES	ACTIVITY SUMMARY						
0:00	0:00	24.00	INT2-DRL	DRLG	PP		DRLG F/ 4740 T 5,244' RUNNING SURVEYS EACH CONNECTION						
24.00 = Total Hours Today													
06:00 UPDATE													
0000-0600 DIR DRLG F 5,244' TO 5,269', BIT DULL, TOH, LAST SURVEY @ 5, 194', 6.51°, AZM 349.32, NO OTHER ISSUES													
BIT DATA													
BIT / RUN	BIT SIZE (in)	MANUFACTURER		TYPE	SERIAL NO	JETS OR TFA		DEPTH IN / DATE IN		I-O-D-L-B-G-O-R			
3 / 1	8.750	Baker Hughes Inteq		Q408	7136303	4x18		4,715.00 / 10-04-2012		-----			
BIT OPERATIONS													
BIT / RUN	WOB	RPM	FLOW RATE	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP		
3/1	10/25	0/55	966.19	1200	844	24.00	504.0	21.0	25.00	529.0	21.2		
MOTOR OUTPUT													
RPV: 0.33rev/gal			ROTARY CURRENT: 50			TOTAL RPM: 50							
LCM:			MUD PROPERTIES						MUD TYPE: Brine				
VIS (s/qt)	PV/YP (cp) / (lb/100ft²)	GELS (lb/100ft²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
28.00							9.50						1.00
Density (ppg)	9.70			PP		DAILY COST	0.00	CUM COST	16,754	%OIL		% H2O	
BHA	3	JAR S/N		BHA / HOLE CONDITIONS				JAR HRS		BIT	3		
BHA WT BELOW JARS		STRING WT UP		STRING WT DN		STRING WT ROT		TORQUE/UNITS		BHA LENGTH			
(kip)		115.0 (kip)		90.0 (kip)		100.0 (kip)		(ft-lbf)		93.95 (ft)			



APACHE CORPORATION
Daily Drilling Report

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WELLBORE NAME THREE BAR SHALLOW UNIT 103H					DATE 10-05-2012	
API # 4200344227 00	24 HRS PROG 504.0 (ft)	TMD 5,244.0 (ft)	TD TVD 5,242.3 (ft)		REPT NO 14	

COMPONENT TYPE	ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
	FLEX NMDC	1	31.02		2.500		
	DC	1	30.72	6.250	2.500	4.500	XH
	NMDC	1	2.13	6.500	2.875	4.500	XH
	UBHO	1	3.06	6.438	2.438	4.500	XH
	MOTOR	1	26.02	6.750		4.500	XH
	PDC	1	1.00		8.750	4.500	API REG

SURVEY

TYPE	MD (ft)	DEG (°)	AZI (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	V.SECT (ft)	D.L (°/100ft)
	5,194.0	6.51	349.32	5,192.7	43.96	53.70	43.96	0.97
	5,162.0	6.24	350.72	5,160.9	40.46	54.32	40.46	1.90
	5,131.0	5.72	353.36	5,130.0	37.26	54.77	37.26	2.30
	5,099.0	5.10	357.58	5,098.2	34.26	55.01	34.26	2.21
	5,068.0	4.48	1.09	5,067.3	31.67	55.05	31.67	1.91
	5,036.0	3.96	5.49	5,035.4	29.32	54.92	29.32	1.97
	5,004.0	3.34	7.42	5,003.4	27.30	54.69	27.30	1.90
	4,972.0	2.81	13.05	4,971.5	25.61	54.40	25.61	1.82
	4,941.0	2.29	17.97	4,940.5	24.28	54.03	24.28	2.37
	4,911.0	1.58	18.50	4,910.5	23.32	53.72	23.32	1.03
	4,880.0	1.49	29.92	4,879.5	22.56	53.38	22.56	1.52
	4,848.0	1.41	48.91	4,847.5	21.94	52.88	21.94	0.66
	4,816.0	1.32	56.99	4,815.6	21.48	52.27	21.19	0.30
	4,785.0	1.32	52.95	4,784.6	21.08	51.69	20.78	0.81
	4,753.0	1.53	59.00	4,752.6	20.63	51.03	20.34	0.23
	4,600.0	1.27	68.52	4,599.6	18.96	47.70	18.67	0.00

CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
00	SURFACE	13.375	48.00	H-40	1,596.0
00	INTERMEDIATE 1	9.625	40.00	J-55	4,711.0

MUD PUMPS/HYDRAULICS

				SPP: 1200 (psi)	SPR		
				AV(DP):		SPM	PPSR
				AV(DC):			
# 1	10.00	118.00	6.500	483.1			
# 2	10.00	118.00	6.500	483.1	HP: 7.911 (hp/in ²)		

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
UNION DRILLING INC.	1	24.00	PATRIOT MUDLOGGING	1	24.00
NEWARK DRILLING FLUIDS, LLC.	1	2.00	AIP	1	24.00
CALMENA	4	96.00	UNION DRILLING INC.	10	120.00

TOTAL PERSONNEL ON BOARD: 18

TOTAL HOURS ON BOARD: 290

MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
DIESEL, RIG FUEL	gal	820	3124				



APACHE CORPORATION
Daily Drilling Report

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WELLBORE NAME THREE BAR SHALLOW UNIT 103H					DATE 10-06-2012						
API # 4200344227 00		24 HRS PROG 174.0 (ft)		TMD 5,418.0 (ft)		TD TVD 5,631.1 (ft)		REPT NO 15			
RIG NAME NO. UNION 215		FIELD NAME THREE BAR WICHITA ALBANY		AUTH TMD 11,822.00 (ft)		PLANNED DOW 26.00 (days)		DFS 11.75 (days)		DOL 14.25 (days)	
SPUD DATE 09-25-2012 06:00		RIG RELEASE		SUPERVISOR 1 CLYDE VELTMANN 575-937-6940				ENGINEER JEREMY WARD		PBTMD 5,418.0 (ft)	
REGION PERMIAN		DISTRICT ANDREWS - TX NCZ		STATE / PROV TEXAS		COUNTY / PARISH ANDREWS		RIG PHONE NO 281-366-0223		RIG FAX NO	
AFE # PA-12-0788-D		AFE COSTS DHC: 1,817,000 DCC: CWC: Others: TOTAL: 1,817,000		DAILY COSTS DHC: 45,747 DCC: CWC: Others: TOTAL: 45,747		CUMULATIVE COSTS DHC: 840,802 DCC: CWC: Others: TOTAL: 840,802					
DESCRIPTION: D&C A HORIZONTAL WICHITA ALBANY WELL											
DEFAULT DATUM / ELEVATION RKB/RT / 3,321.0 (ft)		LAST SAFETY MEETING		BLOCK		OCSG#		TARGET FORMATION WICHITA ALBANY		BHA HRS OF SERVICE	
LAST SURVEY MD 5,363.0 (ft) INC 6.77° AZM 345.45°		LAST CSG SHOE TEST (EMW)		LAST CASING 13.375 in @ 1,596.0 ft		NEXT CASING 9.625 in @ 4,700.0 ft					

CURRENT OPERATIONS: DRLG @ 5,575', LAST SURVEY @ 5,490' INC 6.68° AZM 347.56°, NO OTHER ISSUES

24 HR SUMMARY: DRLG F/ 5,244 - 5,269, TOH FOR NEW BIT, TIH WITH BIT #4, PU 15 DC'S, LAY DOWN 15 JTS DP, TIH, DRLG F/ 5,266' TO 5,418' WITH SURVEYS EACH CONNECTION

24 HR FORECAST: DRLG TO KOP, TOH FOR NEW BHA & BIT

OPERATION SUMMARY

From	To	HRS	Op Phase	Op Code	PT/NPT	NPT CODES	ACTIVITY SUMMARY
0:00	3:30	3.50	INT-DRL	DRLG	PP		DRLG F/ 5,244 - 5,269 W SURVEYS
3:30	4:00	0.50	INT-DRL	CIRCT	PP		CIRC BTMS UP
4:00	6:30	2.50	INT-DRL	TRIPBHA	PP		TOH FOR NEW BIT & MM
6:30	17:00	10.50	INT-DRL	TRIPBHA	PP		PU NEW BIT & MUD MOTOR PLUS 15 DC'S, LAYDOWN 15 JTS DP, VISUALLY INSPECTED 11 MORE STANDS, TIH TO BTM
17:00	0:00	7.00	INT-DRL	DRLG	PP		DRLG F/ 5,266' TO 5,418' W SURVEYS EVERY CONNECTION

24.00 = Total Hours Today

06:00 UPDATE

0000-0600 DRLG F @ 5,575', LAST SURVEY @ 5,490' INC 6.68° AZM 347.56°, NO OTHER ISSUES

BIT DATA

BIT / RUN	BIT SIZE (in)	MANUFACTURER	TYPE	SERIAL NO	JETS OR TFA	DEPTH IN / DATE IN	I-O-D-L-B-G-O-R
3 / 1	8.750	Baker Hughes Inteq	Q408	7136303	4x18	4,715.00 / 10-04-2012	6-6-WT-H-6-I-CT-PR
4 / 1	8.750	Baker Hughes Inteq	Q408	7134235	4x18	5,266.00 / 10-06-2012	-----

BIT OPERATIONS

BIT / RUN	WOB	RPM	FLOW RATE	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP
3/1	5/25	0/55	429.87	1200	166	3.50	25.0	7.1	28.50	554.0	19.4
4/1	10/11	0/51	429.87	1625	166	7.00	152.0	21.7	7.00	152.0	21.7

MOTOR OUTPUT

RPV: 0.33rev/gal	ROTARY CURRENT: 50	TOTAL RPM: 192
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APACHE CORPORATION

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Daily Drilling Report

WELLBORE NAME				DATE
THREE BAR SHALLOW UNIT 103H				10-06-2012
API #	24 HRS PROG	TMD	TD TVD	REPT NO
4200344227 00	174.0 (ft)	5,418.0 (ft)	5,631.1 (ft)	15

LCM:	MUD PROPERTIES										MUD TYPE: Brine
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VIS (s/qt)	PV/YP (cp) / (lb/100ft ²)	GELS (lb/100ft ²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H ₂ S (%)	KCL (ppm)	LGS (%)
29.00	1.00/1						9.00						0.30

Density (ppg)	9.65		PP	DAILY COST	903.00	CUM COST	17,657	%OIL		% H ₂ O	
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BHA	4	JAR S/N		BHA / HOLE CONDITIONS				JAR HRS		BIT	4
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BHA WT BELOW JARS		STRING WT UP		STRING WT DN		STRING WT ROT		TORQUE/UNITS		BHA LENGTH	
(kip)		152.0 (kip)		148.0 (kip)		150.0 (kip)		(ft-lbf)		548.56 (ft)	

COMPONENT TYPE	ITEM DESCRIPTION				NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
	DP - RENTAL				158	5,011.31	4.500	2.250	4.500	XH (EH)
	DC'S				15	454.63	6.000	2.250	4.500	XH (EH)
	FLEX NMDC				1	31.02	6.500	2.500	4.500	XH (EH)
	DC				1	30.72	6.250	2.500	4.500	XH
	NMDC				1	2.13	6.500	2.875	4.500	XH
	UBHO				1	3.06	6.438	2.438	4.500	XH
	MOTOR				1	26.00	6.750		4.500	XH
	PDC				1	1.00	8.750		4.500	API REG

SURVEY

TYPE	MD (ft)	DEG (°)	AZI (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	V.SECT (ft)	D.L (°/100ft)
	5,363.0	6.77	345.45	5,576.5	65.03	53.55	65.03	0.42
	5,300.0	6.51	345.98	5,513.9	57.97	55.35	57.97	0.18
	5,268.0	6.51	346.50	5,482.1	54.44	56.21	54.44	0.38
	5,236.0	6.60	347.21	5,450.3	50.89	57.04	50.89	0.61

CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
00	SURFACE	13.375	48.00	H-40	1,596.0
00	INTERMEDIATE 1	9.625	40.00	J-55	4,711.0

MUD PUMPS/HYDRAULICS

					SPP: 1200 (psi)	SPR	
	STROKE	SPM	LINER	FLOW RATE	AV(DP):	SPM	PPSR
# 1	10.00	105.00	6.500	429.9	AV(DC):		
					HP: 0.693 (hp/in ²)		

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
NEWPARK DRILLING FLUIDS, LLC.	1	2.00	UNION DRILLING INC.	1	24.00
PATRIOT MUDLOGGING	1	24.00	AIP	1	24.00
CALMENA	4	96.00	UNION DRILLING INC.	10	120.00

TOTAL PERSONNEL ON BOARD: 18

TOTAL HOURS ON BOARD: 290

MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
DIESEL, RIG FUEL	gal	710	2414				



APACHE CORPORATION
Daily Drilling Report

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WELLBORE NAME THREE BAR SHALLOW UNIT 103H										DATE 10-07-2012			
API # 4200344227 00		24 HRS PROG 602.0 (ft)		TMD 6,020.0 (ft)		TD TVD 6,229.9 (ft)		REPT NO 16					
RIG NAME NO. UNION 215		FIELD NAME THREE BAR WICHITA ALBANY		AUTH TMD 11,822.00 (ft)		PLANNED DOW 26.00 (days)		DFS 12.75 (days)		DOL 15.25 (days)			
SPUD DATE 09-25-2012 06:00		RIG RELEASE		SUPERVISOR 1 JOSH GUINN (254) 396 - 1175				ENGINEER JEREMY WARD		PBTMD 5,418.0 (ft)			
REGION PERMIAN		DISTRICT ANDREWS - TX NCZ		STATE / PROV TEXAS		COUNTY / PARISH ANDREWS		RIG PHONE NO 281-366-0223		RIG FAX NO			
AFE # PA-12-0788-D		AFE COSTS		DAILY COSTS		CUMULATIVE COSTS							
DESCRIPTION: D&C A HORIZONTAL WICHITA ALBANY WELL		DHC: 1,817,000 DCC: CWC: Others: TOTAL: 1,817,000		DHC: 33,909 DCC: CWC: Others: TOTAL: 33,909		DHC: 874,711 DCC: CWC: Others: TOTAL: 874,711							
DEFAULT DATUM / ELEVATION RKB/RT / 3,321.0 (ft)		LAST SAFETY MEETING 10/8/2012		BLOCK		OCSG#		TARGET FORMATION WICHITA ALBANY		BHA HRS OF SERVICE			
LAST SURVEY MD 5,616.0 (ft) INC 6.42° AZM 349.32°				LAST CSG SHOE TEST (EMW)		LAST CASING 13.375 in @ 1,596.0 ft		NEXT CASING 9.625 in @ 4,700.0 ft					
CURRENT OPERATIONS: DIR DRLG @ 6109' ; . LAST SURVEY AT 6029' MD; 6022' TVD, 6 INC , 345 AZM . 6' AHEAD , 2' RIGHT ; NO ISSUES													
24 HR SUMMARY: DRLG F/5,418' TO 6020' W SURVEYS EVERY CONNECTION,													
24 HR FORECAST: DIR ,DRLG NEW HOLE TO KOP; & BUILD CURVE													
OPERATION SUMMARY													
From	To	HRS	Op Phase	Op Code	PT/NPT	NPT CODES	ACTIVITY SUMMARY						
0:00	0:00	24.00	INT-DRL	DRLG	PP		DRLG F/ 5,418' TO 6020' ' W SURVEYS EVERY CONNECTION						
24.00 = Total Hours Today													
06:00 UPDATE													
0000-0600 DIR DRLG @ 6109' ; . LAST SURVEY AT 6029' MD; 6022' TVD , 6 INC , 345 AZM . 6' AHEAD , 2' RIGHT ; NO ISSUES													
BIT DATA													
BIT / RUN	BIT SIZE (in)	MANUFACTURER		TYPE	SERIAL NO	JETS OR TFA		DEPTH IN / DATE IN		I-O-D-L-B-G-O-R			
4 / 1	8.750	Baker Hughes Inteq		Q408	7134235	4x18		5,266.00 / 10-06-2012		-----			
BIT OPERATIONS													
BIT / RUN	WOB	RPM	FLOW RATE	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP		
4/1	16/17	60/60	462.62	1570	0	24.00	602.0	25.1	31.00	754.0	24.3		
MOTOR OUTPUT													
RPV: 0.33rev/gal		ROTARY CURRENT: 60				TOTAL RPM: 213							
LCM:		MUD PROPERTIES						MUD TYPE: Brine					
VIS (s/qt)	PV/YP (cp) / (lbf/100ft²)	GELS (lbf/100ft²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%))(lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
	1.00/1						10.00						0.30
				PP	DAILY COST	0.00	CUM COST	17.657	%OIL		% H2O		
BHA	4	JAR S/N	BHA / HOLE CONDITIONS					JAR HRS		BIT	4		
BHA WT BELOW JARS		STRING WT UP		STRING WT DN		STRING WT ROT		TORQUE/UNITS		BHA LENGTH			
(kip)		160.0 (kip)		145.0 (kip)		150.0 (kip)		(ft-lbf)		548.56 (ft)			



APACHE CORPORATION

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Daily Drilling Report

WELLBORE NAME	DATE
THREE BAR SHALLOW UNIT 103H	10-07-2012

API #	24 HRS PROG	TMD	TD TVD	REPT NO
4200344227 00	602.0 (ft)	6,020.0 (ft)	6,229.9 (ft)	16

COMPONENT TYPE	ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
	DP - RENTAL	158	5,471.44	4.500	2.250	4.500	XH (EH)
	DC'S	15	454.63	6.000	2.250	4.500	XH (EH)
	FLEX NMDC	1	31.02	6.500	2.500	4.500	XH (EH)
	DC	1	30.72	6.250	2.500	4.500	XH
	NMDC	1	2.13	6.500	2.875	4.500	XH
	UBHO	1	3.06	6.438	2.438	4.500	XH
	MOTOR	1	26.00	6.750		4.500	XH
	PDC	1	1.00	8.750		4.500	API REG

SURVEY

TYPE	MD (ft)	DEG (°)	AZI (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	V.SECT (ft)	D.L (°/100ft)
	5,648.0	5.89	348.09	5,859.6	96.78	47.15	96.78	1.71
	5,616.0	6.42	349.32	5,827.8	93.42	47.82	93.63	0.39
	5,585.0	6.51	350.02	5,797.0	90.19	44.25	89.98	0.31
	5,553.0	6.51	349.14	5,765.2	86.41	49.10	86.63	0.13
	5,458.0	6.60	349.86	5,670.8	75.96	46.88	75.75	0.95
	5,426.0	6.60	347.21	5,639.1	72.15	51.80	72.36	0.47
	5,395.0	6.68	346.15	5,608.3	68.87	48.44	68.66	0.38

CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
00	SURFACE	13.375	48.00	H-40	1,596.0
00	INTERMEDIATE 1	9.625	40.00	J-55	4,711.0

MUD PUMPS/HYDRAULICS

					SPP: 1570 (psi)	SPR		
					AV(DP):			
					AV(DC):			
# 1	STROKE	SPM	LINER	FLOW RATE	HP: 0.000 (hp/in²)			
	10.00	113.00	6.500	462.6				

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
UNION DRILLING INC.	1	24.00	PATRIOT MUDLOGGING	1	24.00
AIP	1	24.00	NEWPARK DRILLING FLUIDS, LLC.	1	2.00
CALMENA	4	96.00	UNION DRILLING INC.	10	120.00

TOTAL PERSONNEL ON BOARD: 18

TOTAL HOURS ON BOARD: 290

MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
DIESEL, RIG FUEL	gal	700	1714				

SAFETY DRILLS

RAMS (psi)	ANNULARS (psi)	CASING	LAST BOP PRESS TEST	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	ABND. DRILL
1000	09-29-2012 / 1000	09-27-2012 / 1000	09-27-2012	10-11-2012			

INCIDENT REPORT

INCIDENTS TYPE	LOST TIME?	INCIDENTS DESCRIPTION
NONE	NO	



APACHE CORPORATION
Daily Drilling Report

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WELLBORE NAME THREE BAR SHALLOW UNIT 103H										DATE 10-08-2012			
API # 4200344227 00		24 HRS PROG 471.0 (ft)		TMD 6,491.0 (ft)		TD TVD 6,481.8 (ft)		REPT NO 17					
RIG NAME NO. UNION 215		FIELD NAME THREE BAR WICHITA ALBANY		AUTH TMD 11,822.00 (ft)		PLANNED DOW 26.00 (days)		DFS 13.75 (days)		DOL 16.25 (days)			
SPUD DATE 09-25-2012 06:00		RIG RELEASE		SUPERVISOR 1 JOSH GUINN (254) 396 - 1175				ENGINEER JEREMY WARD		PBTMD 5,418.0 (ft)			
REGION PERMIAN		DISTRICT ANDREWS - TX NCZ		STATE / PROV TEXAS		COUNTY / PARISH ANDREWS		RIG PHONE NO 281-366-0223		RIG FAX NO			
AFE # PA-12-0788-D		AFE COSTS		DAILY COSTS		CUMULATIVE COSTS							
DESCRIPTION: D&C A HORIZONTAL WICHITA ALBANY WELL		DHC: 1,817,000 DCC: CWC: Others: TOTAL: 1,817,000		DHC: 33,909 DCC: CWC: Others: TOTAL: 33,909		DHC: 908,621 DCC: CWC: Others: TOTAL: 908,621							
DEFAULT DATUM / ELEVATION RKB/RT / 3,321.0 (ft)		LAST SAFETY MEETING 10/9/2012		BLOCK		OCSG#		TARGET FORMATION WICHITA ALBANY		BHA HRS OF SERVICE			
LAST SURVEY				LAST CSG SHOE TEST (EMW)		LAST CASING		NEXT CASING					
MD 6,219.0 (ft) INC 6.50° AZM 346.15°						13.375 in @ 1,596.0 ft		9.625 in @ 4,700.0 ft					
CURRENT OPERATIONS: LAY DOWN 35 JTS DP ; LAST SURVEY AT 6455' MD; 6445' TVD, 6.86 INC , 348 AZM . 10' AHEAD , 1' RIGHT ; NO ISSUES													
24 HR SUMMARY: DRLG F/ 6,020' TO 6491													
24 HR FORECAST: P/U DIR TOOLS ; BUILD CURVE													
OPERATION SUMMARY													
From	To	HRS	Op Phase	Op Code	PT/NPT	NPT CODES	ACTIVITY SUMMARY						
0:00	0:00	24.00	INT-DRL	DRLG	PP		DRLG F/ 6,020' TO 6491						
24.00 = Total Hours Today													
06:00 UPDATE													
0000-0600 LAY DOWN 35 JTS DP ; LAST SURVEY AT 6455' MD; 6445' TVD, 6.86 INC , 348 AZM . 10' AHEAD , 1' RIGHT ; NO ISSUES													
BIT DATA													
BIT / RUN	BIT SIZE (in)	MANUFACTURER		TYPE	SERIAL NO	JETS OR TFA	DEPTH IN / DATE IN		I-O-D-L-B-G-O-R				
4 / 1	8.750	Baker Hughes Inteq		Q408	7134235	4x18	5,266.00 / 10-06-2012		-----				
BIT OPERATIONS													
BIT / RUN	WOB	RPM	FLOW RATE	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP		
4/1	22/22	60/60	0.00	1750	0	24.00	471.0	19.6	55.00	1,225.0	22.3		
MOTOR OUTPUT													
RPV: 0.33rev/gal			ROTARY CURRENT: 60			TOTAL RPM: 60							
LCM:			MUD PROPERTIES						MUD TYPE: Brine				
VIS (s/qt)	PV/YP (cp) / (lbf/100ft²)	GELS (lbf/100ft²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%))(lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
29.00	1.00/1						10.00/10.00		119				0.70
Density (ppg)	9.50			PP		DAILY COST	0.00	CUM COST	17,657	%OIL		% H2O	97.50
BHA	4	JAR S/N		BHA / HOLE CONDITIONS				JAR HRS		BIT	4		
BHA WT BELOW JARS		STRING WT UP		STRING WT DN		STRING WT ROT		TORQUE/UNITS		BHA LENGTH			
(kip)		176.0 (kip)		168.0 (kip)		172.0 (kip)		(ft-lbf)		548.56 (ft)			



APACHE CORPORATION
Daily Drilling Report

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WELLBORE NAME THREE BAR SHALLOW UNIT 103H	DATE 10-08-2012
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API # 4200344227 00	24 HRS PROG 471.0 (ft)	TMD 6,491.0 (ft)	TD TVD 6,481.8 (ft)	REPT NO 17
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COMPONENT TYPE	ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
	DP - RENTAL	158	5,942.44	4.500	2.250	4.500	XH (EH)
	DC'S	15	454.63	6.000	2.250	4.500	XH (EH)
	FLEX NMDC	1	31.02	6.500	2.500	4.500	XH (EH)
	DC	1	30.72	6.250	2.500	4.500	XH
	NMDC	1	2.13	6.500	2.875	4.500	XH
	UBHO	1	3.06	6.438	2.438	4.500	XH
	MOTOR	1	26.00	6.750		4.500	XH
	PDC	1	1.00	8.750		4.500	API REG

SURVEY								
TYPE	MD (ft)	DEG (°)	AZI (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	V.SECT (ft)	D.L (°/100ft)
	6,219.0	6.50	346.15	6,211.5	146.63	31.17	146.63	0.49
	6,092.0	5.89	347.56	6,085.3	133.21	34.20	133.21	0.44
	6,029.0	5.72	345.42	6,022.6	127.02	35.68	127.02	0.33

CASING					
S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
00	SURFACE	13.375	48.00	H-40	1,596.0
00	INTERMEDIATE 1	9.625	40.00	J-55	4,711.0

MUD PUMPS/HYDRAULICS					SPR		
	STROKE	SPM	LINER	FLOW RATE	AV(DP):	SPM	PPSR
# 1	10.00	109.00		0.0	AV(DC):		
					HP: 0.000 (hp/in ²)		

PERSONNEL DATA					
COMPANY	QTY	HRS	COMPANY	QTY	HRS
NEWPARK DRILLING FLUIDS, LLC.	1	2.00	PATRIOT MUDLOGGING	1	24.00
AIP	1	24.00	UNION DRILLING INC.	1	24.00
CALMENA	4	96.00	UNION DRILLING INC.	10	120.00

TOTAL PERSONNEL ON BOARD: 18

TOTAL HOURS ON BOARD: 290

MATERIALS/CONSUMPTION							
ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
DIESEL, RIG FUEL	gal	700	5314				

SAFETY DRILLS							
RAMS (psi)	ANNULARS (psi)	CASING	LAST BOP PRESS TEST	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	ABND. DRILL
1000	09-29-2012 / 1000	09-27-2012 / 1000	09-27-2012	10-11-2012			

INCIDENT REPORT		
INCIDENTS TYPE NONE	LOST TIME? NO	INCIDENTS DESCRIPTION

MUD INVENTORY				
ITEM	UNIT	USAGE	Daily Cost (\$)	ON HAND
DRLG MUD			0.00	0.00



APACHE CORPORATION

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Daily Drilling Report

WELLBORE NAME THREE BAR SHALLOW UNIT 103H						DATE 10-09-2012					
API # 4200344227 00		24 HRS PROG (ft)		TMD 6,491.0 (ft)		TD TVD 6,481.8 (ft)		REPT NO 18			
RIG NAME NO. UNION 215		FIELD NAME THREE BAR WICHITA ALBANY		AUTH TMD 11,822.00 (ft)		PLANNED DOW 26.00 (days)		DFS 14.75 (days)		DOL 17.25 (days)	
SPUD DATE 09-25-2012 06:00		RIG RELEASE		SUPERVISOR 1 JOSH GUINN (254) 396 - 1175				ENGINEER JEREMY WARD		PBTMD 5,418.0 (ft)	
REGION PERMIAN		DISTRICT ANDREWS - TX NCZ		STATE / PROV TEXAS		COUNTY / PARISH ANDREWS		RIG PHONE NO 281-366-0223		RIG FAX NO	
AFE # PA-12-0788-D		AFE COSTS		DAILY COSTS				CUMULATIVE COSTS			
DESCRIPTION: D&C A HORIZONTAL WICHITA ALBANY WELL		DHC: 1,817,000 DCC: CWC: Others: TOTAL: 1,817,000		DHC: 38,044 DCC: CWC: Others: TOTAL: 38,044				DHC: 946,665 DCC: CWC: Others: TOTAL: 946,665			
DEFAULT DATUM / ELEVATION RKB/RT / 3,321.0 (ft)		LAST SAFETY MEETING 10/10/2012		BLOCK		OCSG#		TARGET FORMATION WICHITA ALBANY		BHA HRS OF SERVICE	
LAST SURVEY				LAST CSG SHOE TEST (EMW)		LAST CASING			NEXT CASING		
MD 6,455.0 (ft) INC 6.86° AZM 348.44°						13.375 in @ 1,596.0 ft			9.625 in @ 4,700.0 ft		
CURRENT OPERATIONS: DRLG ; BUILD CURVE 6584' , LAST SURVEY 6504 MD, 6494 TVD, 352.48 AZM, 7.91 INCL , .11 AHEAD , .1 RIGHT, NO ISSUES											
24 HR SUMMARY: DRILL F/ 6491' TO 6504 ; TOH ; LAY DOWN 35 JTS DP & 15 DC ; P/U 2.12 BEND MOTOR & Q408 PDC BIT ; SLIP & CUT DRILL LINE ; TIH ; BUILD CURVE F/ 6504' TO 6530'											
24 HR FORECAST: BUILD CURVE											
OPERATION SUMMARY											
From	To	HRS	Op Phase	Op Code	PT/NPT	NPT CODES	ACTIVITY SUMMARY				
0:00	1:00	1.00	INT-DRL	DRLG	PP		DRILL F/ 6491' TO 6504'				
1:00	2:00	1.00	INT-DRL	CIRC	PP		CIRC SWEEP OUT				
2:00	5:00	3.00	INT-DRL	TRIP	PP		TOH				
5:00	7:00	2.00	INT-DRL	TRIP	PP		R/U LAY DOWN TRUCK LAY DOWN 35 JTS DP & 15 DC				
7:00	9:00	2.00	INT-DRL	LWD	PP		LAW DOWN DIR TOOLS & BIT				
9:00	11:30	2.50	INT-DRL	TRIP	PP		P/U 2.12 BEND MOTOR & Q408 PDC BIT				
11:30	12:30	1.00	INT-DRL	TRIP	PP		TIH ;				
12:30	14:00	1.50	INT-DRL	CUTDL	PP		SLIP IN CUT DRILL LINE				
14:00	20:30	6.50	INT-DRL	TRIP	PP		TIH P/U 20 JTS DP				
20:30	0:00	3.50	INT-DRL	DSLIDE	PP		BUILD CURVE F/ 6405 TO 6530				
24.00 = Total Hours Today											
06:00 UPDATE											
0000-0600 DRLG ; BUILD CURVE 6584' , LAST SURVEY 6504 MD, 6494 TVD, 352.48 AZM, 7.91 INCL , .11 AHEAD , .1 RIGHT, NO ISSUES											
BIT DATA											
BIT / RUN	BIT SIZE (in)	MANUFACTURER			TYPE	SERIAL NO	JETS OR TFA	DEPTH IN / DATE IN		I-O-D-L-B-G-O-R	
4 / 1	8.750	Baker Hughes Inteq			Q408	7134235	4x18	5,266.00 / 10-06-2012		2-6-WT-H-6-1-CT-PR	
1 / 5	8.750	Baker Hughes Inteq			Q408	7140964	4x18	6,504.00 / 10-09-2012		-----	
BIT OPERATIONS											
BIT / RUN	WOB	RPM	FLOW RATE	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP
1/5	15/15	0/0	470.81	1620	196	3.50	125.0	35.7	3.50	125.0	35.7
MOTOR OUTPUT											
RPV: 0.33rev/gal				ROTARY CURRENT: 0				TOTAL RPM: 155			



APACHE CORPORATION
Daily Drilling Report

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WELLBORE NAME THREE BAR SHALLOW UNIT 103H	DATE 10-09-2012
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API # 4200344227 00	24 HRS PROG (ft)	TMD 6,491.0 (ft)	TD TVD 6,481.8 (ft)	REPT NO 18
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LCM:	MUD PROPERTIES	MUD TYPE: Brine
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VIS (s/qt)	PV/YP (cp) / (lb/100ft ²)	GELS (lb/100ft ²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
30.00							/10.00						0.70

Density (ppg)	9.50	PP	DAILY COST	0.00	CUM COST	17,657	%OIL	% H2O
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BHA	5	JAR S/N	BHA / HOLE CONDITIONS	JAR HRS	BIT	1
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BHA WT BELOW JARS	STRING WT UP	STRING WT DN	STRING WT ROT	TORQUE/UNITS	BHA LENGTH
(kip)	162.0 (kip)	158.0 (kip)	155.0 (kip)	(ft-lbf)	93.93 (ft)

COMPONENT TYPE	ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
	FLEX NMDC	1	31.02	6.500	2.500	4.500	XH (EH)
	DC	1	30.72	6.250	2.500	4.500	XH
	NMDC	1	2.13	6.500	2.875	4.500	XH
	UBHO	1	3.06	6.438	2.438	4.500	XH
	MOTOR	1	26.00	6.750		4.500	XH
	PDC	1	1.00	8.750		4.500	API REG

SURVEY

TYPE	MD (ft)	DEG (°)	AZI (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	V.SECT (ft)	D.L (°/100ft)
	6,455.0	6.86	348.44	6,446.1	172.34	25.69	172.34	0.62
	6,409.0	6.60	347.43	6,400.4	167.07	26.82	167.07	0.89
	6,346.0	6.07	349.14	6,337.8	160.27	28.23	160.27	0.44
	6,282.0	6.33	348.09	6,274.1	153.49	29.60	153.49	0.44

CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
00	SURFACE	13.375	48.00	H-40	1,596.0
00	INTERMEDIATE 1	9.625	40.00	J-55	4,711.0

MUD PUMPS/HYDRAULICS					SPP: 1620 (psi)	SPR	
	STROKE	SPM	LINER	FLOW RATE	AV(DP):		SPM
# 2	10.00	115.00	6.500	470.8	AV(DC):		PPSR
					HP: 0.896 (hp/in ²)		

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
PATRIOT MUDLOGGING	1	24.00	AIP	1	24.00
NEWPARK DRILLING FLUIDS, LLC.	1	2.00	UNION DRILLING INC.	1	24.00
CALMENA	4	96.00	UNION DRILLING INC.	10	120.00

TOTAL PERSONNEL ON BOARD: 18

TOTAL HOURS ON BOARD: 290

MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
DIESEL, RIG FUEL	gal	600	4714				



APACHE CORPORATION

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Daily Drilling Report

WELLBORE NAME THREE BAR SHALLOW UNIT 103H										DATE 10-10-2012			
API # 4200344227 00		24 HRS PROG 330.0 (ft)		TMD 6,860.0 (ft)		TD TVD 6,811.3 (ft)		REPT NO 19					
RIG NAME NO. UNION 215		FIELD NAME THREE BAR WICHITA ALBANY		AUTH TMD 11,822.00 (ft)		PLANNED DOW 26.00 (days)		DFS 15.75 (days)		DOL 18.25 (days)			
SPUD DATE 09-25-2012 06:00		RIG RELEASE		SUPERVISOR 1 JOSH GUINN (254) 396 - 1175				ENGINEER JEREMY WARD		PBTMD 5,418.0 (ft)			
REGION PERMIAN		DISTRICT ANDREWS - TX NCZ		STATE / PROV TEXAS		COUNTY / PARISH ANDREWS		RIG PHONE NO 281-366-0223		RIG FAX NO			
AFE # PA-12-0788-D		AFE COSTS		DAILY COSTS		CUMULATIVE COSTS							
DESCRIPTION: D&C A HORIZONTAL WICHITA ALBANY WELL		DHC: 1,817,000 DCC: CWC: Others: TOTAL: 1,817,000		DHC: 33,909 DCC: CWC: Others: TOTAL: 33,909		DHC: 972,668 DCC: CWC: Others: TOTAL: 972,668							
DEFAULT DATUM / ELEVATION RKB/RT / 3,321.0 (ft)		LAST SAFETY MEETING 10/11/2012		BLOCK		OCSG#		TARGET FORMATION WICHITA ALBANY		BHA HRS OF SERVICE			
LAST SURVEY MD 6,504.0 (ft) INC 7.91° AZM 352.48°				LAST CSG SHOE TEST (EMW)		LAST CASING 13.375 in @ 1,596.0 ft		NEXT CASING 9.625 in @ 4,700.0 ft					
CURRENT OPERATIONS: DRLG ; BUILD CURVE 6940', LAST SURVEY 6853 MD,6806 TVD, 346.89 AZM, 43.26 INCL, .19' AHEAD , 17' RIGHT, NO ISSUES													
24 HR SUMMARY: BUILD CURVE F/ 6530 to 6860													
24 HR FORECAST: BUILD CURVE													
OPERATION SUMMARY													
From	To	HRS	Op Phase	Op Code	PT/NPT	NPT CODES	ACTIVITY SUMMARY						
0:00	0:00	24.00	INT-DRL	DSLIDE	PP		BUILD CURVE F/ 6530 to 6860						
24.00 = Total Hours Today													
06:00 UPDATE													
0000-0600 DRLG ; BUILD CURVE 6940', LAST SURVEY 6853 MD,6806 TVD, 346.89 AZM, 43.26 INCL, .19 AHEAD , .17 RIGHT, NO ISSUES													
BIT DATA													
BIT / RUN	BIT SIZE (in)	MANUFACTURER		TYPE	SERIAL NO	JETS OR TFA		DEPTH IN / DATE IN		I-O-D-L-B-G-O-R			
1 / 5	8.750	Baker Hughes Inteq		Q408	7140964	4x18		6,504.00 / 10-09-2012		-----			
BIT OPERATIONS													
BIT / RUN	WOB	RPM	FLOW RATE	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP		
1/5	15/17	0/0	466.72	1740	193	24.00	330.0	13.7	27.50	356.0	12.9		
MOTOR OUTPUT													
RPV: 0.33rev/gal		ROTARY CURRENT: 0				TOTAL RPM: 154							
LCM:		MUD PROPERTIES						MUD TYPE: Brine					
VIS (s/qt)	PV/YP (cp) / (lbf/100ft²)	GELS (lbf/100ft²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
30.00							10.00			119			
Density (ppg)	9.50			PP		DAILY COST	0.00	CUM COST	14,699	%OIL		% H2O	
BHA	5	JAR S/N		BHA / HOLE CONDITIONS				JAR HRS		BIT	1		
BHA WT BELOW JARS		STRING WT UP		STRING WT DN		STRING WT ROT		TORQUE/UNITS		BHA LENGTH			
(kip)		165.0 (kip)		158.0 (kip)		162.0 (kip)		(ft-lbf)		93.93 (ft)			



APACHE CORPORATION
Daily Drilling Report

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WELLBORE NAME THREE BAR SHALLOW UNIT 103H	DATE 10-10-2012
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API # 4200344227 00	24 HRS PROG 330.0 (ft)	TMD 6,860.0 (ft)	TD TVD 6,811.3 (ft)	REPT NO 19
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COMPONENT TYPE	ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
	FLEX NMDC	1	31.02	6.500	2.500	4.500	XH (EH)
	DC	1	30.72	6.250	2.500	4.500	XH
	NMDC	1	2.13	6.500	2.875	4.500	XH
	UBHO	1	3.06	6.438	2.438	4.500	XH
	MOTOR	1	26.00	6.750		4.500	XH
	PDC	1	1.00	8.750		4.500	API REG

SURVEY

TYPE	MD (ft)	DEG (°)	AZI (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	V.SECT (ft)	D.L (°/100ft)
	6,504.0	7.91	352.48	6,494.7	178.55	24.66	178.55	2.39

CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
00	SURFACE	13.375	48.00	H-40	1,596.0
00	INTERMEDIATE 1	9.625	40.00	J-55	4,711.0

MUD PUMPS/HYDRAULICS

					SPP: 1740 (psi)	SPR	
					AV(DP):		
					AV(DC):		
# 1	STROKE 10.00	SPM 114.00	LINER 6.500	FLOW RATE 466.7	HP: 0.873 (hp/in²)		

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
PATRIOT MUDLOGGING	1	24.00	AIP	1	24.00
UNION DRILLING INC.	1	24.00	NEWARK DRILLING FLUIDS, LLC.	1	2.00
CALMENA	4	96.00	UNION DRILLING INC.	10	120.00

TOTAL PERSONNEL ON BOARD: 18

TOTAL HOURS ON BOARD: 290

MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
DIESEL, RIG FUEL	gal	700	4014				

SAFETY DRILLS

RAMS (psi)	ANNULARS (psi)	CASING	LAST BOP PRESS TEST	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	ABND. DRILL
1000	09-29-2012 / 1000	09-27-2012 / 1000	09-27-2012	10-11-2012			

INCIDENT REPORT

INCIDENTS TYPE	LOST TIME?	INCIDENTS DESCRIPTION
NONE	NO	

MUD INVENTORY

ITEM	UNIT	USAGE	Daily Cost (\$)	ON HAND
DRLG MUD			0.00	0.00



APACHE CORPORATION
Daily Drilling Report

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WELLBORE NAME THREE BAR SHALLOW UNIT 103H										DATE 10-11-2012			
API # 4200344227 00		24 HRS PROG 400.0 (ft)		TMD 7,260.0 (ft)		TD TVD 6,995.6 (ft)		REPT NO 20					
RIG NAME NO. UNION 215		FIELD NAME THREE BAR WICHITA ALBANY		AUTH TMD 11,822.00 (ft)		PLANNED DOW 26.00 (days)		DFS 16.75 (days)		DOL 19.25 (days)			
SPUD DATE 09-25-2012 06:00		RIG RELEASE		SUPERVISOR 1 JOSH GUINN (254) 396 - 1175				ENGINEER JEREMY WARD		PBTMD 5,418.0 (ft)			
REGION PERMIAN		DISTRICT ANDREWS - TX NCZ		STATE / PROV TEXAS		COUNTY / PARISH ANDREWS		RIG PHONE NO 281-366-0223		RIG FAX NO			
AFE # PA-12-0788-D DESCRIPTION: D&C A HORIZONTAL WICHITA ALBANY WELL		AFE COSTS DHC: 1,817,000 DCC: CWC: Others: TOTAL: 1,817,000		DAILY COSTS DHC: 232,722 DCC: CWC: Others: TOTAL: 232,722		CUMULATIVE COSTS DHC: 1,205,391 DCC: CWC: Others: TOTAL: 1,205,391							
DEFAULT DATUM / ELEVATION RKB/RT / 3,321.0 (ft)		LAST SAFETY MEETING 10/12/2012		BLOCK		OCSG#		TARGET FORMATION WICHITA ALBANY		BHA HRS OF SERVICE			
LAST SURVEY MD 6,853.0 (ft) INC 43.26° AZM 346.89°				LAST CSG SHOE TEST (EMW)		LAST CASING 13.375 in @ 1,596.0 ft		NEXT CASING 9.625 in @ 4,700.0 ft					
CURRENT OPERATIONS: DRLG ; BUILD CURVE 7355', LAST SURVEY 7265' MD, 6996' TVD, 344.04 AZM, 78.26 INCL, 23' AHEAD, 2' RIGHT, NO ISSUES													
24 HR SUMMARY: BUILD CURVE F/ 6860' TO 7260 ; 7233 MD, 6989 TVD, 342.89 AZM, 76.59 INCL, .19' AHEAD, 1.5' RIGHT													
24 HR FORECAST: TOH LAY DOWN PIPE; P/U LATERAL ASSEMBLY													
OPERATION SUMMARY													
From	To	HRS	Op Phase	Op Code	PT/NPT	NPT CODES	ACTIVITY SUMMARY						
0:00	0:00	24.00	INT-DRL	DRLG	PP		BUILD CURVE F/ 6860' TO 7260 ; 7233 MD, 6989 TVD, 342.89 AZM, 76.59 INCL, .19' AHEAD, 1.5' RIGHT						
24.00 = Total Hours Today													
06:00 UPDATE													
0000-0600 DRLG ; BUILD CURVE 7355', LAST SURVEY 7265' MD, 6996' TVD, 344.04 AZM, 78.26 INCL, 23' AHEAD, 2' RIGHT, NO ISSUES													
BIT DATA													
BIT / RUN	BIT SIZE (in)	MANUFACTURER		TYPE	SERIAL NO	JETS OR TFA	DEPTH IN / DATE IN		I-O-D-L-B-G-O-R				
1 / 5	8.750	Baker Hughes Inteq		Q408	7140964	4x18	6,504.00 / 10-09-2012		-----				
BIT OPERATIONS													
BIT / RUN	WOB	RPM	FLOW RATE	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP		
1/5	20/20	31/31	458.53	1780	186	24.00	400.0	16.7	51.50	756.0	14.7		
MOTOR OUTPUT													
RPV: 0.33rev/gal				ROTARY CURRENT: 31				TOTAL RPM: 182					
LCM:				MUD PROPERTIES				MUD TYPE: Brine					
VIS (s/qt)	PV/YP (cp) / (lb/100ft²)	GELS (lb/100ft²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
30.00							10.00			119			
Density (ppg)	9.50			PP		DAILY COST	1,050.00	CUM COST	15,749	%OIL		% H2O	
BHA	5	JAR S/N		BHA / HOLE CONDITIONS				JAR HRS		BIT	1		
BHA WT BELOW JARS		STRING WT UP		STRING WT DN		STRING WT ROT		TORQUE/UNITS		BHA LENGTH			
(kip)		170.0 (kip)		160.0 (kip)		166.0 (kip)		(ft-lbf)		93.93 (ft)			



APACHE CORPORATION
Daily Drilling Report

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WELLBORE NAME THREE BAR SHALLOW UNIT 103H	DATE 10-11-2012
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API # 4200344227 00	24 HRS PROG 400.0 (ft)	TMD 7,260.0 (ft)	TD TVD 6,995.6 (ft)	REPT NO 20
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COMPONENT TYPE	ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
	FLEX NMDC	1	31.02	6.500	2.500	4.500	XH (EH)
	DC	1	30.72	6.250	2.500	4.500	XH
	NMDC	1	2.13	6.500	2.875	4.500	XH
	UBHO	1	3.06	6.438	2.438	4.500	XH
	MOTOR	1	26.00	6.750		4.500	XH
	PDC	1	1.00	8.750		4.500	API REG

SURVEY

TYPE	MD (ft)	DEG (°)	AZI (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	V. SECT (ft)	D.L (°/100ft)
	6,853.0	43.26	346.89	6,806.2	320.59	11.84	320.59	10.62
	6,821.0	40.27	349.32	6,782.4	299.74	16.24	299.74	11.09
	6,789.0	36.93	351.25	6,757.4	280.07	19.62	280.07	12.82
	6,758.0	33.06	352.83	6,732.0	262.47	22.10	262.47	11.85
	6,726.0	29.46	355.12	6,704.6	245.96	23.86	245.96	11.12
	6,694.0	26.12	357.75	6,676.3	231.08	24.80	231.08	10.90
	6,662.0	22.86	0.74	6,647.2	217.82	25.00	217.82	12.18
	6,631.0	19.26	3.91	6,618.3	206.69	24.57	206.69	12.12
	6,599.0	15.39	3.03	6,587.7	197.18	23.99	197.18	9.94
	6,567.0	12.31	359.69	6,556.7	189.53	23.78	189.53	7.96
	6,535.0	10.02	353.89	6,525.3	183.35	24.10	183.35	6.84

CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
00	SURFACE	13.375	48.00	H-40	1,596.0
00	INTERMEDIATE 1	9.625	40.00	J-55	4,711.0

MUD PUMPS/HYDRAULICS

					SPP: 1780 (psi)	SPR		
					AV(DP):		SPM	PPSR
					AV(DC):			
					HP: 0.828 (hp/in²)			
# 1	10.00	112.00	6.500	458.5				

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
NEWPARK DRILLING FLUIDS, LLC.	1	2.00	AIP	1	24.00
UNION DRILLING INC.	1	24.00	PATRIOT MUDLOGGING	1	24.00
CALMENA	4	96.00	UNION DRILLING INC.	10	120.00

TOTAL PERSONNEL ON BOARD: 18

TOTAL HOURS ON BOARD: 290

MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
DIESEL, RIG FUEL	gal	700	3314				

SAFETY DRILLS

RAMS (psi)	ANNULARS (psi)	CASING	LAST BOP PRESS TEST	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	ABND. DRILL
1000	09-29-2012 / 1000	09-27-2012 / 1000	09-27-2012	10-11-2012			

INCIDENT REPORT

INCIDENTS TYPE NONE LOST TIME? NO INCIDENTS DESCRIPTION



APACHE CORPORATION
Daily Drilling Report

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WELLBORE NAME THREE BAR SHALLOW UNIT 103H						DATE 10-12-2012					
API # 4200344227 00		24 HRS PROG 116.0 (ft)		TMD 7,376.0 (ft)		TD TVD 7,019.2 (ft)		REPT NO 21			
RIG NAME NO. UNION 215		FIELD NAME THREE BAR WICHITA ALBANY		AUTH TMD 11,822.00 (ft)		PLANNED DOW 26.00 (days)		DFS 17.75 (days)		DOL 20.25 (days)	
SPUD DATE 09-25-2012 06:00		RIG RELEASE		SUPERVISOR 1 JOSH GUINN (254) 396 - 1175				ENGINEER JEREMY WARD		PBTMD 5,418.0 (ft)	
REGION PERMIAN		DISTRICT ANDREWS - TX NCZ		STATE / PROV TEXAS		COUNTY / PARISH ANDREWS		RIG PHONE NO 281-366-0223		RIG FAX NO	
AFE # PA-12-0788-D		AFE COSTS		DAILY COSTS				CUMULATIVE COSTS			
DESCRIPTION: D&C A HORIZONTAL WICHITA ALBANY WELL		DHC: 1,817,000 DCC: CWC: Others: TOTAL: 1,817,000		DHC: 33,564 DCC: CWC: Others: TOTAL: 33,564				DHC: 1,238,955 DCC: CWC: Others: TOTAL: 1,238,955			
DEFAULT DATUM / ELEVATION RKB/RT / 3,321.0 (ft)		LAST SAFETY MEETING 10/12/2012		BLOCK		OCSG#		TARGET FORMATION WICHITA ALBANY		BHA HRS OF SERVICE	
LAST SURVEY MD 7,265.0 (ft) INC 78.26° AZM 344.04°				LAST CSG SHOE TEST (EMW)		LAST CASING 13.375 in @ 1,596.0 ft		NEXT CASING 9.625 in @ 4,700.0 ft			
CURRENT OPERATIONS: DRLG ; BUILD CURVE 7387', LAST SURVEY 7327' MD, 7006' TVD, 344.57 AZM, 86 INCL, 23' AHEAD , 2' RIGHT, NO ISSUES											
24 HR SUMMARY: BUILD CURVE F/ 7260' TO 7376' ; 7265' MD, 6996' TVD, 344.04AZM, 78.26 INCL, .23" AHEAD , 2.44' RIGHT ; TOH LAYING DRILL PIPE FOR LATERAL ; P/U 1.8 BEND MOTOR & FX55DR PDC BIT ; TIH PICKING UP PIPE											
24 HR FORECAST: DRLG LATERAL											
OPERATION SUMMARY											
From	To	HRS	Op Phase	Op Code	PT/NPT	NPT CODES	ACTIVITY SUMMARY				
0:00	7:30	7.50	INT-DRL	DRLG	PP		BUILD CURVE F/ 7260' TO 7376' ; 7265' MD, 6996' TVD, 344.04AZM, 78.26 INCL, .23" AHEAD , 2.44' RIGHT				
7:30	9:00	1.50	INT-DRL	CIRC	PP		CIRC SWEEP OUT				
9:00	17:00	8.00	INT-DRL	TRIP	PP		TOH LAYING DRILL PIPE FOR LATERAL ASSEMBLY				
17:00	18:00	1.00	INT-DRL	TRIP	PP		LAY DOWN DIR TOOLS				
18:00	20:00	2.00	INT-DRL	TRIP	PP		P/U 1.8 BEND MOTOR & FX55DR PDC BIT				
20:00	0:00	4.00	INT-DRL	TRIP	PP		TIH PICKING UP NEW RENTAL STRING				
24.00 = Total Hours Today											
06:00 UPDATE											
0000-0600 DRLG ; BUILD CURVE 7387', LAST SURVEY 7327" MD, 7006' TVD, 344.57 AZM, 86 INCL, 23' AHEAD , 2' RIGHT, NO ISSUES											
BIT DATA											
BIT / RUN	BIT SIZE (in)	MANUFACTURER		TYPE	SERIAL NO	JETS OR TFA	DEPTH IN / DATE IN		I-O-D-L-B-G-O-R		
1 / 5	8.750	Security Dbs		FX55DR	702420	5x18	7,376.00 / 10-12-2012		-----		
	8.750	Baker Hughes Inteq		Q408	7140964	4x18	6,504.00 / 10-09-2012		1-1-NO-G-1-1-CT-BHA		
BIT OPERATIONS											
BIT / RUN	WOB	RPM	FLOW RATE	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP
1/5	19/19	30/30	454.44	1750	183	7.50	116.0	15.5	59.00	872.0	14.8
MOTOR OUTPUT											
RPV: 0.33rev/gal				ROTARY CURRENT: 30				TOTAL RPM: 180			



APACHE CORPORATION

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Daily Drilling Report

WELLBORE NAME				DATE
THREE BAR SHALLOW UNIT 103H				10-12-2012
API #	24 HRS PROG	TMD	TD TVD	REPT NO
4200344227 00	116.0 (ft)	7,376.0 (ft)	7,019.2 (ft)	21

LCM:		MUD PROPERTIES						MUD TYPE: Brine			
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VIS (s/qt)	PV/YP (cp) / (lb/100ft ²)	GELS (lb/100ft ²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
30.00							10.00			119			

Density (ppg)	9.50		PP		DAILY COST	0.00	CUM COST	15,749	%OIL		% H2O	
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BHA	6	JAR S/N		BHA / HOLE CONDITIONS				JAR HRS		BIT	
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BHA WT BELOW JARS		STRING WT UP		STRING WT DN		STRING WT ROT		TORQUE/UNITS		BHA LENGTH	
(kip)		(kip)		(kip)		(kip)		(ft-lbf)		94.53 (ft)	

COMPONENT TYPE		ITEM DESCRIPTION			NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
		FLEX NMDC			1	31.07	6.500	2.500	4.500	XH (EH)
		DC			1	30.72	6.250	2.500	4.500	XH
		NMDC			1	2.13	6.500	2.875	4.500	XH
		UBHO			1	3.06	6.438	2.438	4.500	XH
		MOTOR			1	26.55	6.750		4.500	XH
		PDC			1	1.00	8.750		4.500	API REG

SURVEY

TYPE	MD (ft)	DEG (°)	AZI (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	V.SECT (ft)	D.L (°/100ft)
	7,265.0	78.26	344.04	6,996.6	663.87	-89.83	663.87	6.12
	7,233.0	76.59	342.99	6,989.6	633.92	-80.97	633.92	7.33
	7,201.0	74.48	341.93	6,981.6	604.38	-71.63	604.38	8.12
	7,169.0	71.93	342.46	6,972.4	575.21	-62.26	575.21	9.13
	7,138.0	69.12	342.81	6,962.0	547.32	-53.54	547.32	9.75
	7,106.0	66.04	343.34	6,949.8	519.03	-44.93	519.03	9.48
	7,075.0	63.14	343.87	6,936.5	492.17	-37.02	492.17	8.26
	7,043.0	60.50	343.69	6,921.4	465.09	-29.15	465.09	7.74
	7,011.0	58.04	344.04	6,905.1	438.67	-21.50	438.67	8.35
	6,980.0	55.52	343.34	6,888.1	413.78	-14.22	413.78	7.65
	6,948.0	53.11	343.87	6,869.4	388.84	-6.88	388.84	10.16
	6,916.0	49.86	343.87	6,849.5	364.80	0.07	364.80	10.48
	6,884.0	46.60	344.92	6,828.2	341.81	6.50	341.81	11.67

CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
00	SURFACE	13.375	48.00	H-40	1,596.0
00	INTERMEDIATE 1	9.625	40.00	J-55	4,711.0

MUD PUMPS/HYDRAULICS					SPP: 1750 (psi)	SPR	
	STROKE	SPM	LINER	FLOW RATE	AV(DP):		
# 1	10.00	111.00	6.500	454.4	AV(DC):	SPM	PPSR
					HP: 0.806 (hp/in ²)		

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
UNION DRILLING INC.	1	24.00	NEWPARK DRILLING FLUIDS, LLC.	1	2.00
AIP	1	24.00	PATRIOT MUDLOGGING	1	24.00
CALMENA	4	96.00	UNION DRILLING INC.	10	120.00

TOTAL PERSONNEL ON BOARD: 18

TOTAL HOURS ON BOARD: 290



APACHE CORPORATION

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Daily Drilling Report

WELLBORE NAME THREE BAR SHALLOW UNIT 103H										DATE 10-13-2012			
API # 4200344227 00		24 HRS PROG 394.0 (ft)		TMD 7,770.0 (ft)		TD TVD 7,035.4 (ft)		REPT NO 22					
RIG NAME NO. UNION 215		FIELD NAME THREE BAR WICHITA ALBANY		AUTH TMD 11,822.00 (ft)		PLANNED DOW 26.00 (days)		DFS 18.75 (days)		DOL 21.25 (days)			
SPUD DATE 09-25-2012 06:00		RIG RELEASE		SUPERVISOR 1 JOSH GUINN (254) 396 - 1175				ENGINEER JEREMY WARD		PBTMD 5,418.0 (ft)			
REGION PERMIAN		DISTRICT ANDREWS - TX NCZ		STATE / PROV TEXAS		COUNTY / PARISH ANDREWS		RIG PHONE NO 281-366-0223		RIG FAX NO			
AFE # PA-12-0788-D		AFE COSTS		DAILY COSTS		CUMULATIVE COSTS							
DESCRIPTION: D&C A HORIZONTAL WICHITA ALBANY WELL		DHC: 1,817,000 DCC: CWC: Others: TOTAL: 1,817,000		DHC: 35,280 DCC: CWC: Others: TOTAL: 35,280		DHC: 1,274,235 DCC: CWC: Others: TOTAL: 1,274,235							
DEFAULT DATUM / ELEVATION RKB/RT / 3,321.0 (ft)		LAST SAFETY MEETING 10/13/2012		BLOCK		OCSG#		TARGET FORMATION WICHITA ALBANY		BHA HRS OF SERVICE			
LAST SURVEY MD 7,265.0 (ft) INC 78.26° AZM 344.04°				LAST CSG SHOE TEST (EMW)		LAST CASING 13.375 in @ 1,596.0 ft		NEXT CASING 9.625 in @ 4,700.0 ft					
CURRENT OPERATIONS: DRLG LATERAL @ 7868' , LAST SURVEY 7808' MD, 7035' TVD, 347 AZM, 89 INCL, 5' BELOW , 1' RIGHT, NO ISSUES													
24 HR SUMMARY: TIH PICKING UP NEW RENTAL STRING ; DRLG LATERAL													
24 HR FORECAST: DRLG LATERAL													
OPERATION SUMMARY													
From	To	HRS	Op Phase	Op Code	PT/NPT	NPT CODES	ACTIVITY SUMMARY						
0:00	4:00	4.00	INT-DRL	TRIP	PP		TIH PICKING UP NEW RENTAL STRING						
4:00	0:00	20.00	INT-DRL	DRLG	PP		DRLG LATERAL F/ 7376' TO 7770'						
24.00 = Total Hours Today													
06:00 UPDATE													
0000-0600 DRLG LATERAL @ 7868' , LAST SURVEY 7808' MD, 7035' TVD, 347 AZM, 89 INCL, 5' BELOW , 1' RIGHT, NO ISSUES													
BIT DATA													
BIT / RUN	BIT SIZE (in)	MANUFACTURER		TYPE	SERIAL NO	JETS OR TFA		DEPTH IN / DATE IN		I-O-D-L-B-G-O-R			
	8.750	Security Dbs		FX55DR	702420	5x18		7,376.00 / 10-12-2012		-----			
BIT OPERATIONS													
BIT / RUN	WOB	RPM	FLOW RATE	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP		
	18/18	60/60	454.44	1750	117	20.00	394.0	19.7	20.00	394.0	19.7		
MOTOR OUTPUT													
RPV: 0.33rev/gal				ROTARY CURRENT: 60				TOTAL RPM: 210					
LCM:				MUD PROPERTIES				MUD TYPE: Brine					
VIS (s/qt)	PV/YP (cp) / (lbf/100ft²)	GELS (lbf/100ft²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
30.00							10.00			119			
Density (ppg)	9.50			PP		DAILY COST	1,716.00	CUM COST	17,465	%OIL		% H2O	
BHA	6	JAR S/N		BHA / HOLE CONDITIONS				JAR HRS		BIT			
BHA WT BELOW JARS		STRING WT UP		STRING WT DN		STRING WT ROT		TORQUE/UNITS		BHA LENGTH			
(kip)		172.0 (kip)		168.0 (kip)		166.0 (kip)		(ft-lbf)		94.53 (ft)			



APACHE CORPORATION
Daily Drilling Report

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WELLBORE NAME THREE BAR SHALLOW UNIT 103H	DATE 10-13-2012
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API # 4200344227 00	24 HRS PROG 394.0 (ft)	TMD 7,770.0 (ft)	TD TVD 7,035.4 (ft)	REPT NO 22
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COMPONENT TYPE	ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
	FLEX NMDC	1	31.07	6.500	2.500	4.500	XH (EH)
	DC	1	30.72	6.250	2.500	4.500	XH
	NMDC	1	2.13	6.500	2.875	4.500	XH
	UBHO	1	3.06	6.438	2.438	4.500	XH
	MOTOR	1	26.55	6.750		4.500	XH
	PDC	1	1.00	8.750		4.500	API REG

CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
00	SURFACE	13.375	48.00	H-40	1,596.0
00	INTERMEDIATE 1	9.625	40.00	J-55	4,711.0

MUD PUMPS/HYDRAULICS					SPR		
	STROKE	SPM	LINER	FLOW RATE	AV(DP):	SPM	PPSR
# 1	10.00	111.00	6.500	454.4	AV(DC): HP: 0.516 (hp/in ²)		

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
PATRIOT MUDLOGGING	1	24.00	UNION DRILLING INC.	1	24.00
NEWARK DRILLING FLUIDS, LLC.	1	2.00	AIP	1	24.00
CALMENA	4	96.00	UNION DRILLING INC.	10	120.00

TOTAL PERSONNEL ON BOARD: 18

TOTAL HOURS ON BOARD: 290

MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
DIESEL, RIG FUEL	gal	600	7714				

SAFETY DRILLS

RAMS (psi)	ANNULARS (psi)	CASING	LAST BOP PRESS TEST	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	ABND. DRILL
1000	09-29-2012 / 1000	09-27-2012 / 1000	09-27-2012	10-11-2012			

INCIDENT REPORT

INCIDENTS TYPE	NONE	LOST TIME?	NO	INCIDENTS DESCRIPTION
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MUD INVENTORY

ITEM	UNIT	USAGE	Daily Cost (\$)	ON HAND
DRLG MUD		1,716.00	1,716.00	0.00



APACHE CORPORATION
Daily Drilling Report

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WELLBORE NAME THREE BAR SHALLOW UNIT 103H										DATE 10-14-2012			
API # 4200344227 00		24 HRS PROG 700.0 (ft)		TMD 8,470.0 (ft)		TD TVD 7,036.2 (ft)		REPT NO 23					
RIG NAME NO. UNION 215		FIELD NAME THREE BAR WICHITA ALBANY		AUTH TMD 11,822.00 (ft)		PLANNED DOW 26.00 (days)		DFS 19.75 (days)		DOL 22.25 (days)			
SPUD DATE 09-25-2012 06:00		RIG RELEASE		SUPERVISOR 1 JOSH GUINN (254) 396 - 1175				ENGINEER JEREMY WARD		PBTMD 5,418.0 (ft)			
REGION PERMIAN		DISTRICT ANDREWS - TX NCZ		STATE / PROV TEXAS		COUNTY / PARISH ANDREWS		RIG PHONE NO 281-366-0223		RIG FAX NO			
AFE # PA-12-0788-D		AFE COSTS		DAILY COSTS		CUMULATIVE COSTS							
DESCRIPTION: D&C A HORIZONTAL WICHITA ALBANY WELL		DHC: 1,817,000 DCC: CWC: Others: TOTAL: 1,817,000		DHC: 33,909 DCC: CWC: Others: TOTAL: 33,909		DHC: 1,308,144 DCC: CWC: Others: TOTAL: 1,308,144							
DEFAULT DATUM / ELEVATION RKB/RT / 3,321.0 (ft)		LAST SAFETY MEETING 10/14/2012		BLOCK		OCSG#		TARGET FORMATION WICHITA ALBANY		BHA HRS OF SERVICE			
LAST SURVEY MD 7,808.0 (ft) INC 89.00° AZM 347.03°				LAST CSG SHOE TEST (EMW)		LAST CASING 13.375 in @ 1,596.0 ft		NEXT CASING 9.625 in @ 4,700.0 ft					
CURRENT OPERATIONS: DRLG LATERAL @ 8675' , LAST SURVEY 8568' MD, 7037' ; TVD, 344 AZM, 89 INCL, 3' ABOVE , 2' LEFT , NO ISSUES													
24 HR SUMMARY: DRLG LATERAL F/ 7770' TO 8470' SURVEY 8442' MD, 345 AZM, 89 INCL, 1' BELOW , 1' RIGHT													
24 HR FORECAST: DRLG LATERAL													
OPERATION SUMMARY													
From	To	HRS	Op Phase	Op Code	PT/NPT	NPT CODES	ACTIVITY SUMMARY						
0:00	0:00	24.00	INT-DRL	DRLG	PP		DRLG LATERAL F/ 7770' TO 8470' SURVEY 8442' MD, 345 AZM, 89 INCL, 2' BELOW , 1' RIGHT						
24.00 = Total Hours Today													
06:00 UPDATE													
0000-0600 DRLG LATERAL @ 8675' , LAST SURVEY 8568' MD, 7037' ; TVD, 344 AZM, 89 INCL, 3' ABOVE , 2' LEFT , NO ISSUE													
BIT DATA													
BIT / RUN	BIT SIZE (in)	MANUFACTURER		TYPE	SERIAL NO	JETS OR TFA	DEPTH IN / DATE IN		I-O-D-L-B-G-O-R				
1 / 6	8.750	Security Dbs		FX55DR	702420	5x18	7,376.00 / 10-12-2012		-----				
BIT OPERATIONS													
BIT / RUN	WOB	RPM	FLOW RATE	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP		
1/6	18/18	60/60	454.44	1750	117	24.00	700.0	29.2	44.00	1,094.0	24.9		
MOTOR OUTPUT													
RPV: 0.33rev/gal				ROTARY CURRENT: 60				TOTAL RPM: 210					
LCM:				MUD PROPERTIES				MUD TYPE: Brine					
VIS (s/qt)	PV/YP (cp) / (lb/100ft²)	GELS (lb/100ft²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
30.00	/1						10.00			119			
Density (ppg)	9.50			PP		DAILY COST	0.00	CUM COST	17,465	%OIL		% H2O	
BHA	6	JAR S/N		BHA / HOLE CONDITIONS				JAR HRS		BIT	1		
BHA WT BELOW JARS		STRING WT UP		STRING WT DN		STRING WT ROT		TORQUE/UNITS		BHA LENGTH			
(kip)		170.0 (kip)		160.0 (kip)		168.0 (kip)		(ft-lbf)		94.53 (ft)			



APACHE CORPORATION
Daily Drilling Report

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WELLBORE NAME THREE BAR SHALLOW UNIT 103H	DATE 10-14-2012
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API # 4200344227 00	24 HRS PROG 700.0 (ft)	TMD 8,470.0 (ft)	TD TVD 7,036.2 (ft)	REPT NO 23
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COMPONENT TYPE	ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
	FLEX NMDC	1	31.07	6.500	2.500	4.500	XH (EH)
	DC	1	30.72	6.250	2.500	4.500	XH
	NMDC	1	2.13	6.500	2.875	4.500	XH
	UBHO	1	3.06	6.438	2.438	4.500	XH
	MOTOR	1	26.55	6.750		4.500	XH
	PDC	1	1.00	8.750		4.500	API REG

SURVEY

TYPE	MD (ft)	DEG (°)	AZI (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	V.SECT (ft)	D.L (°/100ft)
	7,808.0	89.00	347.03	7,036.5	1,187.58	-226.00	1,187.58	3.25
	7,776.0	88.02	346.68	7,035.6	1,156.43	-218.73	1,156.43	1.42
	7,745.0	87.58	346.68	7,034.4	1,126.28	-211.59	1,126.28	1.13
	7,714.0	87.58	346.33	7,033.1	1,096.17	-204.37	1,096.17	2.05
	7,683.0	87.23	345.80	7,031.7	1,066.11	-196.91	1,066.11	1.55
	7,651.0	86.88	345.45	7,030.1	1,035.15	-188.97	1,035.15	1.81
	7,620.0	86.44	345.10	7,028.3	1,005.22	-181.11	1,005.22	2.74
	7,588.0	85.74	344.57	7,026.1	974.41	-172.76	974.41	1.79
	7,557.0	85.91	345.10	7,023.8	944.57	-164.67	944.57	0.62
	7,494.0	86.09	345.45	7,019.5	883.78	-148.69	883.78	0.00
	7,462.0	86.09	345.45	7,017.3	852.88	-140.67	852.88	0.00
	7,431.0	86.09	345.45	7,015.2	822.95	-132.90	822.95	0.00
	7,399.0	86.09	345.45	7,013.0	792.05	-124.88	792.05	3.80
	7,327.0	83.50	344.57	7,006.4	722.79	-106.34	722.79	8.69
	7,297.0	80.90	344.39	7,002.4	694.15	-98.39	694.15	8.32

CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
00	SURFACE	13.375	48.00	H-40	1,596.0
00	INTERMEDIATE 1	9.625	40.00	J-55	4,711.0

MUD PUMPS/HYDRAULICS

				SPP: 1750 (psi)	SPR	
				AV(DP):		
				AV(DC):		
# 1	STROKE 10.00	SPM 111.00	LINER 6.500	FLOW RATE 454.4	HP: 0.516 (hp/in ²)	

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
PATRIOT MUDLOGGING	1	24.00	UNION DRILLING INC.	1	24.00
NEWARK DRILLING FLUIDS, LLC.	1	2.00	AIP	1	24.00
CALMENA	4	96.00	UNION DRILLING INC.	10	120.00

TOTAL PERSONNEL ON BOARD: 18

TOTAL HOURS ON BOARD: 290

MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
DIESEL, RIG FUEL	gal	700	7014				



APACHE CORPORATION

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Daily Drilling Report

WELLBORE NAME THREE BAR SHALLOW UNIT 103H										DATE 10-15-2012			
API # 4200344227 00		24 HRS PROG 455.0 (ft)		TMD 8,925.0 (ft)		TD TVD 7,054.1 (ft)		REPT NO 24					
RIG NAME NO. UNION 215		FIELD NAME THREE BAR WICHITA ALBANY		AUTH TMD 11,822.00 (ft)		PLANNED DOW 26.00 (days)		DFS 20.75 (days)		DOL 23.25 (days)			
SPUD DATE 09-25-2012 06:00		RIG RELEASE		SUPERVISOR 1 JOSH GUINN (254) 396 - 1175			ENGINEER JEREMY WARD			PBTMD 5,418.0 (ft)			
REGION PERMIAN		DISTRICT ANDREWS - TX NCZ		STATE / PROV TEXAS		COUNTY / PARISH ANDREWS		RIG PHONE NO 281-366-0223		RIG FAX NO			
AFE # PA-12-0788-D		AFE COSTS		DAILY COSTS		CUMULATIVE COSTS							
DESCRIPTION: D&C A HORIZONTAL WICHITA ALBANY WELL		DHC: 1,817,000 DCC: CWC: Others: TOTAL: 1,817,000		DHC: 36,913 DCC: CWC: Others: TOTAL: 36,913		DHC: 1,345,057 DCC: CWC: Others: TOTAL: 1,345,057							
DEFAULT DATUM / ELEVATION RKB/RT / 3,321.0 (ft)		LAST SAFETY MEETING 10/16/2012		BLOCK		OCSG#		TARGET FORMATION WICHITA ALBANY		BHA HRS OF SERVICE			
LAST SURVEY MD 8,568.0 (ft) INC 88.81° AZM 344.92°				LAST CSG SHOE TEST (EMW)		LAST CASING 9.625 in @ 4,711.0 ft		NEXT CASING 5.500 in @ 11,822.0 ft					
CURRENT OPERATIONS: DRLG LATERAL @ 9060 ' , LAST SURVEY 8979' MD, 7055' ; TVD, 348 AZM, 89 INCL, 9' BELOW , 2' LEFT , NO ISSUES													
24 HR SUMMARY: DRLG LATERAL F/ 8470' TO 8925" SURVEY 8884' MD, 347 AZM, 88 INCL, 4' BELOW , 1' RIGHT													
24 HR FORECAST: DRLG LATERAL													
OPERATION SUMMARY													
From	To	HRS	Op Phase	Op Code	PT/NPT	NPT CODES	ACTIVITY SUMMARY						
0:00	0:00	24.00	P-DRL	DRLG	PP		DRLG LATERAL F/ 8470' TO 8925" SURVEY 8884' MD, 347 AZM, 88 INCL, 4' BELOW , 1' RIGHT						
24.00 = Total Hours Today													
06:00 UPDATE													
0000-0600 DRLG LATERAL @ 9060 ' , LAST SURVEY 8979' MD, 7055' ; TVD, 348 AZM, 89 INCL, 9' BELOW , 2' LEFT , NO ISSUES													
BIT DATA													
BIT / RUN	BIT SIZE (in)	MANUFACTURER		TYPE	SERIAL NO	JETS OR TFA	DEPTH IN / DATE IN		I-O-D-L-B-G-O-R				
1 / 6	8.750	Security Dbs		FX55DR	702420	5x18	7,376.00 / 10-12-2012		-----				
BIT OPERATIONS													
BIT / RUN	WOB	RPM	FLOW RATE	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP		
1/6	20/20	60/60	466.72	1870	122	24.00	455.0	19.0	68.00	1,549.0	22.8		
MOTOR OUTPUT													
RPV: 0.33rev/gal				ROTARY CURRENT: 60				TOTAL RPM: 214					
LCM:		MUD PROPERTIES						MUD TYPE: Brine					
VIS (s/qt)	PV/YP (cp) / (lb/100ft²)	GELS (lb/100ft²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
30.00	1.00/2	1/1					10.00			119			
Density (ppg)	9.40			PP		DAILY COST	2,404.00	CUM COST	19,869	%OIL		% H2O	95.00
BHA	6	JAR S/N		BHA / HOLE CONDITIONS				JAR HRS		BIT	1		
BHA WT BELOW JARS		STRING WT UP		STRING WT DN		STRING WT ROT		TORQUE/UNITS		BHA LENGTH			
(kip)		172.0 (kip)		169.0 (kip)		175.0 (kip)		(ft-lbf)		94.53 (ft)			



APACHE CORPORATION
Daily Drilling Report

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WELLBORE NAME THREE BAR SHALLOW UNIT 103H							DATE 10-15-2012
API # 4200344227 00	24 HRS PROG 455.0 (ft)	TMD 8,925.0 (ft)	TD TVD 7,054.1 (ft)		REPT NO 24		

COMPONENT TYPE	ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
	FLEX NMDC	1	31.07	6.500	2.500	4.500	XH (EH)
	DC	1	30.72	6.250	2.500	4.500	XH
	NMDC	1	2.13	6.500	2.875	4.500	XH
	UBHO	1	3.06	6.438	2.438	4.500	XH
	MOTOR	1	26.55	6.750		4.500	XH
	PDC	1	1.00	8.750		4.500	API REG

SURVEY

TYPE	MD (ft)	DEG (°)	AZI (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	V. SECT (ft)	D.L (°/100ft)
	8,568.0	88.81	344.92	7,037.7	1,927.32	-399.59	1,927.32	1.24
	8,505.0	89.16	345.62	7,036.6	1,866.40	-383.57	1,866.40	0.98
	8,442.0	89.78	345.62	7,036.0	1,805.37	-367.93	1,805.37	0.87
	8,378.0	89.60	346.15	7,035.6	1,743.31	-352.32	1,743.31	0.29
	8,315.0	89.78	346.15	7,035.3	1,682.14	-337.24	1,682.14	1.01
	8,252.0	90.13	346.68	7,035.2	1,620.90	-322.44	1,620.90	1.02
	8,221.0	89.87	346.86	7,035.2	1,590.72	-315.35	1,590.72	1.36
	8,157.0	89.08	346.50	7,034.7	1,528.45	-300.60	1,528.45	1.00
	8,094.0	89.60	346.86	7,033.9	1,467.15	-286.09	1,467.15	5.08
	8,062.0	90.84	347.91	7,034.1	1,435.92	-279.10	1,435.92	0.99
	7,998.0	91.19	348.44	7,035.2	1,373.29	-265.99	1,373.29	0.00
	7,935.0	91.19	348.44	7,036.5	1,311.58	-253.37	1,311.58	2.45
	7,840.0	89.34	347.03	7,036.9	1,218.76	-233.19	1,218.76	1.06

CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
00	SURFACE	13.375	48.00	H-40	1,596.0
00	INTERMEDIATE 1	9.625	40.00	J-55	4,711.0

MUD PUMPS/HYDRAULICS

					SPP: 1870 (psi)	SPR	
					AV(DP):		
					AV(DC):		
# 1	STROKE 10.00	SPM 114.00	LINER 6.500	FLOW RATE 466.7	HP: 0.553 (hp/in ²)		

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
NEWPARK DRILLING FLUIDS, LLC.	1	2.00	AIP	1	24.00
UNION DRILLING INC.	1	24.00	PATRIOT MUDLOGGING	1	24.00
CALMENA	4	96.00	UNION DRILLING INC.	10	120.00

TOTAL PERSONNEL ON BOARD: 18

TOTAL HOURS ON BOARD: 290

MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
DIESEL, RIG FUEL	gal	700	5714				



APACHE CORPORATION

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Daily Drilling Report

WELLBORE NAME THREE BAR SHALLOW UNIT 103H										DATE 10-16-2012			
API # 4200344227 00		24 HRS PROG 543.0 (ft)		TMD 9,468.0 (ft)		TD TVD 7,055.7 (ft)		REPT NO 25					
RIG NAME NO. UNION 215		FIELD NAME THREE BAR WICHITA ALBANY		AUTH TMD 11,822.00 (ft)		PLANNED DOW 26.00 (days)		DFS 21.75 (days)		DOL 24.25 (days)			
SPUD DATE 09-25-2012 06:00		RIG RELEASE		SUPERVISOR 1 JOSH GUINN (254) 396 - 1175				ENGINEER JEREMY WARD		PBTMD 5,418.0 (ft)			
REGION PERMIAN		DISTRICT ANDREWS - TX NCZ		STATE / PROV TEXAS		COUNTY / PARISH ANDREWS		RIG PHONE NO 281-366-0223		RIG FAX NO			
AFE # PA-12-0788-D		AFE COSTS		DAILY COSTS		CUMULATIVE COSTS							
DESCRIPTION: D&C A HORIZONTAL WICHITA ALBANY WELL		DHC: 1,817,000 DCC: CWC: Others: TOTAL: 1,817,000		DHC: 33,909 DCC: CWC: Others: TOTAL: 33,909		DHC: 1,378,966 DCC: CWC: Others: TOTAL: 1,378,966							
DEFAULT DATUM / ELEVATION RKB/RT / 3,321.0 (ft)		LAST SAFETY MEETING 10/17/2012		BLOCK		OCSG#		TARGET FORMATION WICHITA ALBANY		BHA HRS OF SERVICE			
LAST SURVEY MD 8,979.0 (ft) INC 88.99° AZM 348.61°				LAST CSG SHOE TEST (EMW)		LAST CASING 9.625 in @ 4,711.0 ft		NEXT CASING 5.500 in @ 11,822.0 ft					
CURRENT OPERATIONS: DRLG LATERAL @ 9630 ' , LAST SURVEY 9515" MD, 7055' ; TVD, 346 AZM, 89 INCL, 2' BELOW , 7' RIGHT , NO ISSUES													
24 HR SUMMARY: DRLG LATERAL F/ 8925' TO 9468' SURVEY 9452' MD, 347 AZM, 90 INCL, 2' BELOW , 1' RIGHT													
24 HR FORECAST: DRLG LATERAL													
OPERATION SUMMARY													
From	To	HRS	Op Phase	Op Code	PT/NPT	NPT CODES	ACTIVITY SUMMARY						
0:00	0:00	24.00	P-DRL	DRLG	PP		DRLG LATERAL F/ 8925' TO 9468' SURVEY 9452' MD, 347 AZM, 90 INCL, 2' BELOW , 1' RIGHT						
24.00 = Total Hours Today													
06:00 UPDATE													
0000-0600 DRLG LATERAL @ 9630 ' , LAST SURVEY 9515" MD, 7055' ; TVD, 346 AZM, 89 INCL, 2' BELOW , 7' RIGHT , NO ISSUES													
BIT DATA													
BIT / RUN	BIT SIZE (in)	MANUFACTURER		TYPE	SERIAL NO	JETS OR TFA	DEPTH IN / DATE IN		I-O-D-L-B-G-O-R				
1 / 6	8.750	Security Dbs		FX55DR	702420	5x18	7,376.00 / 10-12-2012		-----				
BIT OPERATIONS													
BIT / RUN	WOB	RPM	FLOW RATE	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP		
1/6	15/19	60/60	466.72	2030	122	24.00	543.0	22.6	92.00	2,092.0	22.7		
MOTOR OUTPUT													
RPV: 0.33rev/gal				ROTARY CURRENT: 60				TOTAL RPM: 214					
LCM:		MUD PROPERTIES						MUD TYPE: Brine					
VIS (s/qt)	PV/YP (cp) / (lb/100ft²)	GELS (lb/100ft²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
30.00	1.00/2	1/1					10.00			119			
Density (ppg)	9.40			PP		DAILY COST	0.00	CUM COST	19,869	%OIL		% H2O	
BHA	6	JAR S/N		BHA / HOLE CONDITIONS				JAR HRS		BIT	1		
BHA WT BELOW JARS		STRING WT UP		STRING WT DN		STRING WT ROT		TORQUE/UNITS		BHA LENGTH			
(kip)		180.0 (kip)		170.0 (kip)		175.0 (kip)		(ft-lbf)		94.53 (ft)			



APACHE CORPORATION

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Daily Drilling Report

WELLBORE NAME THREE BAR SHALLOW UNIT 103H					DATE 10-16-2012	
API # 4200344227 00	24 HRS PROG 543.0 (ft)	TMD 9,468.0 (ft)	TD TVD 7,055.7 (ft)		REPT NO 25	

COMPONENT TYPE	ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
	FLEX NMDC	1	31.07	6.500	2.500	4.500	XH (EH)
	DC	1	30.72	6.250	2.500	4.500	XH
	NMDC	1	2.13	6.500	2.875	4.500	XH
	UBHO	1	3.06	6.438	2.438	4.500	XH
	MOTOR	1	26.55	6.750		4.500	XH
	PDC	1	1.00	8.750		4.500	API REG

SURVEY

TYPE	MD (ft)	DEG (°)	AZI (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	V.SECT (ft)	D.L (°/100ft)
	8,979.0	88.99	348.61	7,055.4	2,325.72	-498.30	2,325.72	2.52
	8,948.0	88.64	347.91	7,054.7	2,295.38	-492.00	2,295.38	1.01
	8,884.0	88.02	347.73	7,052.9	2,232.84	-478.50	2,232.84	1.77
	8,821.0	87.32	346.86	7,050.3	2,171.44	-464.66	2,171.44	2.33
	8,758.0	86.53	345.62	7,046.9	2,110.34	-449.69	2,110.34	1.37
	8,694.0	86.64	344.75	7,043.1	2,048.57	-433.36	2,048.57	1.56
	8,631.0	87.32	344.04	7,039.8	1,987.98	-416.44	1,987.98	2.75

CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
00	SURFACE	13.375	48.00	H-40	1,596.0
00	INTERMEDIATE 1	9.625	40.00	J-55	4,711.0

MUD PUMPS/HYDRAULICS

MUD PUMPS/HYDRAULICS					SPP: 2030 (psi) AV(DP): AV(DC): HP: 0.553 (hp/in²)	SPR		
	STROKE	SPM	LINER	FLOW RATE			SPM	PPSR
# 1	10.00	114.00	6.500	466.7				

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
AIP	1	24.00	PATRIOT MUDLOGGING	1	24.00
UNION DRILLING INC.	1	24.00	NEWPARK DRILLING FLUIDS, LLC.	1	2.00
CALMENA	4	96.00	UNION DRILLING INC.	10	120.00

TOTAL PERSONNEL ON BOARD: 18

TOTAL HOURS ON BOARD: 290

MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
DIESEL, RIG FUEL	gal	700	5014				

SAFETY DRILLS

RAMS (psi)	ANNULARS (psi)	CASING	LAST BOP PRESS TEST	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	ABND. DRILL
1000	09-29-2012 / 1000	09-27-2012 / 1000	09-27-2012	10-11-2012			

INCIDENT REPORT

INCIDENTS TYPE NONE LOST TIME? NO INCIDENTS DESCRIPTION

MUD INVENTORY

ITEM	UNIT	USAGE	Daily Cost (\$)	ON HAND
DRLG MUD			0.00	0.00



APACHE CORPORATION
Daily Drilling Report

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WELLBORE NAME THREE BAR SHALLOW UNIT 103H					DATE 10-17-2012						
API # 4200344227 00		24 HRS PROG 317.0 (ft)		TMD 9,785.0 (ft)		TD TVD 7,061.5 (ft)		REPT NO 26			
RIG NAME NO. UNION 215		FIELD NAME THREE BAR WICHITA ALBANY		AUTH TMD 11,822.00 (ft)		PLANNED DOW 26.00 (days)		DFS 22.75 (days)		DOL 25.25 (days)	
SPUD DATE 09-25-2012 06:00		RIG RELEASE		SUPERVISOR 1 JOSH GUINN (254) 396 - 1175				ENGINEER JEREMY WARD		PBTMD 5,418.0 (ft)	
REGION PERMIAN		DISTRICT ANDREWS - TX NCZ		STATE / PROV TEXAS		COUNTY / PARISH ANDREWS		RIG PHONE NO 281-366-0223		RIG FAX NO	
AFE # PA-12-0788-D		AFE COSTS		DAILY COSTS				CUMULATIVE COSTS			
DESCRIPTION: D&C A HORIZONTAL WICHITA ALBANY WELL		DHC: 1,817,000 DCC: CWC: Others: TOTAL: 1,817,000		DHC: 40,101 DCC: CWC: Others: TOTAL: 40,101				DHC: 1,419,067 DCC: CWC: Others: TOTAL: 1,419,067			
DEFAULT DATUM / ELEVATION RKB/RT / 3,321.0 (ft)		LAST SAFETY MEETING 10/18/2012		BLOCK		OCSG#		TARGET FORMATION WICHITA ALBANY		BHA HRS OF SERVICE	
LAST SURVEY MD 9,357.0 (ft) INC 91.01° AZM 347.91°				LAST CSG SHOE TEST (EMW)		LAST CASING 9.625 in @ 4,711.0 ft		NEXT CASING 5.500 in @ 11,822.0 ft			
CURRENT OPERATIONS: DRLG LATERAL @ 9825' , LAST SURVEY 9735' MD, 7060' ; TVD, 346 AZM, 86 INCL, 2' BELOW , 1' RIGHT , NO ISSUES											
24 HR SUMMARY: DRLG LATERAL F/ 9468' TO 9703' ; TOH CHANGE BIT & MOTOR ; TIH ; DRLG LATERAL F/ 9703' TO 9785'											
24 HR FORECAST: DRLG LATERAL											

OPERATION SUMMARY

From	To	HRS	Op Phase	Op Code	PT/NPT	NPT CODES	ACTIVITY SUMMARY
0:00	8:30	8.50	P-DRL	DRLG	PP		DRLG LATERAL F/ 9468' TO 9703' SURVEY 9703' MD, 345 AZM, 89 INCL, 2' BELOW , 7' RIGHT
8:30	14:00	5.50	P-DRL	TRIP	PP		BHA # 6 TOH CHANGE BIT & MOTOR
14:00	23:00	9.00	P-DRL	TRIP	PP		P/U NEW 1.93BEND MOTOR & FX55DR PDC BIT TIH
23:00	0:00	1.00	P-DRL	DRLG	PP		DRLG LATERAL F/ 7903' TO 9785'

24.00 = Total Hours Today

06:00 UPDATE

0000-0600 DRLG LATERAL @ 9825' , LAST SURVEY 9735' MD, 7060' ; TVD, 346 AZM, 86 INCL, 2' BELOW , 1' RIGHT , NO ISSUES

BIT DATA

BIT / RUN	BIT SIZE (in)	MANUFACTURER	TYPE	SERIAL NO	JETS OR TFA	DEPTH IN / DATE IN	I-O-D-L-B-G-O-R
1 / 6	8.750	Security Dbs	FX55DR	11882059	5x18	9,703.00 / 10-17-2012	-----
	8.750	Security Dbs	FX55DR	702420	5x18	7,376.00 / 10-12-2012	2-1-CR-G-1-I-CR-HR

BIT OPERATIONS

BIT / RUN	WOB	RPM	FLOW RATE	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP
	15/20	50/50	462.62	1890	120	1.00	317.0	317.0	1.00	317.0	317.0

MOTOR OUTPUT

RPV: 0.33rev/gal				ROTARY CURRENT: 50				TOTAL RPM: 203					
LCM:				MUD PROPERTIES				MUD TYPE: Brine					
VIS (s/qt)	PV/YP (cp) / (lbf/100ft ²)	GELS (lbf/100ft ²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd) / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
30.00	1.00/2	1/1					/10.00			119			
Density (ppg)	9.40			PP		DAILY COST	0.00	CUM COST	19,869	%OIL		% H2O	

Printed: 10/18/2012 5:48:19AM



APACHE CORPORATION

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Daily Drilling Report

WELLBORE NAME THREE BAR SHALLOW UNIT 103H										DATE 10-17-2012	
API # 4200344227 00		24 HRS PROG 317.0 (ft)		TMD 9,785.0 (ft)		TD TVD 7,061.5 (ft)		REPT NO 26			
BHA	7	JAR S/N		BHA / HOLE CONDITIONS				JAR HRS		BIT	
BHA WT BELOW JARS		STRING WT UP		STRING WT DN		STRING WT ROT		TORQUE/UNITS		BHA LENGTH	
(kip)		185.0 (kip)		170.0 (kip)		175.0 (kip)		(ft-lbf)		94.53 (ft)	
COMPONENT TYPE		ITEM DESCRIPTION				NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
		FLEX NMDC				1	31.07	6.500	2.500	4.500	XH (EH)
		DC				1	30.72	6.250	2.500	4.500	XH
		NMDC				1	2.13	6.500	2.875	4.500	XH
		UBHO				1	3.06	6.438	2.438	4.500	XH
		MOTOR				1	26.55	6.750		4.500	XH
		PDC				1	1.00	8.750		4.500	API REG
SURVEY											
TYPE	MD (ft)	DEG (°)	AZI (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	V.SECT (ft)	D.L (°/100ft)			
	9,515.0	89.52	346.50	7,056.0	2,849.29	-612.85	2,849.29	1.40			
	9,452.0	90.04	347.21	7,055.7	2,787.95	-598.52	2,787.95	1.26			
	9,357.0	91.01	347.91	7,056.6	2,695.18	-578.06	2,695.18	0.56			
	9,294.0	90.66	347.91	7,057.5	2,633.59	-564.86	2,633.59	1.27			
	9,230.0	90.04	347.38	7,057.9	2,571.07	-551.17	2,571.07	0.70			
	9,167.0	89.60	347.38	7,057.7	2,509.59	-537.40	2,509.59	0.73			
CASING											
S/T	DESCRIPTION			SIZE	WEIGHT	GRADE		SETTING DEPTH			
00	SURFACE			13.375	48.00	H-40		1,596.0			
00	INTERMEDIATE 1			9.625	40.00	J-55		4,711.0			
MUD PUMPS/HYDRAULICS				SPP: 1890 (psi)		SPR					
	STROKE	SPM	LINER	FLOW RATE	AV(DP):		SPM		PPSR		
# 1	10.00	113.00	6.500	462.6	AV(DC):						
					HP: 0.539 (hp/in²)						
PERSONNEL DATA											
COMPANY		QTY	HRS	COMPANY		QTY	HRS				
AIP		1	24.00	UNION DRILLING INC.		1	24.00				
NEWPARK DRILLING FLUIDS, LLC.		1	2.00	PATRIOT MUDLOGGING		1	24.00				
CALMENA		4	96.00	UNION DRILLING INC.		10	120.00				
TOTAL PERSONNEL ON BOARD: 18											
TOTAL HOURS ON BOARD: 290											
MATERIALS/CONSUMPTION											
ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND				
DIESEL, RIG FUEL	gal	600	9414								
SAFETY DRILLS											
RAMS (psi)	ANNULARS (psi)	CASING	LAST BOP PRESS TEST	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	ABND. DRILL				
1000	09-29-2012 / 1000	09-27-2012 / 1000	09-27-2012	10-11-2012							
INCIDENT REPORT											
INCIDENTS TYPE NONE LOST TIME? NO INCIDENTS DESCRIPTION											



APACHE CORPORATION

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Daily Drilling Report

WELLBORE NAME THREE BAR SHALLOW UNIT 103H						DATE 10-18-2012					
API # 4200344227 00		24 HRS PROG 67.0 (ft)		TMD 9,852.0 (ft)		TD TVD 7,072.6 (ft)		REPT NO 27			
RIG NAME NO. UNION 215		FIELD NAME THREE BAR WICHITA ALBANY		AUTH TMD 11,822.00 (ft)		PLANNED DOW 26.00 (days)		DFS 23.75 (days)		DOL 26.25 (days)	
SPUD DATE 09-25-2012 06:00		RIG RELEASE		SUPERVISOR 1 JAMES HUDSON (903) 285 - 2686				ENGINEER JEREMY WARD		PBTMD 5,418.0 (ft)	
REGION PERMIAN		DISTRICT ANDREWS - TX NCZ		STATE / PROV TEXAS		COUNTY / PARISH ANDREWS		RIG PHONE NO 281-366-0223		RIG FAX NO	
APE # PA-12-0788-D		APE COSTS		DAILY COSTS				CUMULATIVE COSTS			
DESCRIPTION: D&C A HORIZONTAL WICHITA ALBANY WELL		DHC: 1,817,000		DHC: 67,548				DHC: 1,486,616			
		DCC:		DCC:				DCC:			
		CWC:		CWC:				CWC:			
		Others:		Others:				Others:			
		TOTAL: 1,817,000		TOTAL: 67,548				TOTAL: 1,486,616			
DEFAULT DATUM / ELEVATION RKB/RT / 3,321.0 (ft)		LAST SAFETY MEETING 10/18/2012		BLOCK		OCSG#		TARGET FORMATION WICHITA ALBANY		BHA HRS OF SERVICE	
LAST SURVEY				LAST CSG SHOE TEST (EMW)		LAST CASING		NEXT CASING			
MD 9,829.0 (ft) INC 84.33° AZM 347.03°						9.625 in @ 4,711.0 ft		5.500 in @ 11,822.0 ft			
CURRENT OPERATIONS: DRILL LATERAL HOLE T/ 9,982' MD; LAST SURVEY 9,860' MD, 7,072 TVD, 84.6 INC, 345.6 AZM, 6' BELOW, 1.5' LEFT											
24 HR SUMMARY: DRILL LATERAL T/ 9,849', TOH TO REPLACE MWD AND BIT, TIH, DRILL LATERAL T/ 9,852'											
24 HR FORECAST: DRILL LATERAL HOLE											
OPERATION SUMMARY											
From	To	HRS	Op Phase	Op Code	PT/NPT	NPT CODES	ACTIVITY SUMMARY				
0:00	6:30	6.50	INT-DRL	DRLG	PP		DRLG LATERAL @ 9849', LAST SURVEY 9735' MD, 7060' TVD, 346 AZM, 86 INCL, 2' BELOW, 1' RIGHT. MWD FAILURE.				
6:30	7:30	1.00	INT-DRL	CIRCT	PP		CIRCULATE HOLE				
7:30	14:00	6.50	INT-DRL	TRIP	PP		TOH TO REPLACE MWD.				
14:00	23:30	9.50	INT-DRL	TRIP	PP		REPLACE MWD, FLOAT AND BIT. TIH				
23:30	0:00	0.50	INT-DRL	DRLG	PP		DRLG LATERAL @ 9852', LAST SURVEY 9766' MD, 7063.33' TVD, 347.21 AZM, 84.24 INCL, 3' BELOW, 0.5' RIGHT. NO ISSUES.				
24.00 = Total Hours Today											
06:00 UPDATE											
0000-0600 DRLG LATERAL @ 9982' MD; LAST SURVEY @ 9860' MD; 7072' TVD; 345.6 AZM, 84.6 INCL, 6' BELOW, 1.5' LEFT. NO ISSUES.											
BIT DATA											
BIT / RUN	BIT SIZE (in)	MANUFACTURER			TYPE	SERIAL NO	JETS OR TFA	DEPTH IN / DATE IN		I-O-D-L-B-G-O-R	
7 / 1	8.750	Security Dbs			FX55DR	11882059	5x18	9,703.00 / 10-17-2012		0-1-BT-S-0-I-NO-BHA	
8 / 1	8.750	Security Dbs			FX55DR	11326391	6x18	9,849.00 / 10-18-2012		-----	
BIT OPERATIONS											
BIT / RUN	WOB	RPM	FLOW RATE	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP
7/1	10/25	50/50	450.34	1950	115	6.50	64.0	9.8	7.50	381.0	50.8
8/1	5/20	50/50	450.34	1991	80	0.50	3.0	6.0	0.50	3.0	6.0
MOTOR OUTPUT											
RPV: 0.33rev/gal				ROTARY CURRENT: 50				TOTAL RPM: 199			



APACHE CORPORATION
Daily Drilling Report

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WELLBORE NAME THREE BAR SHALLOW UNIT 103H												DATE 10-18-2012	
API # 4200344227 00		24 HRS PROG 67.0 (ft)		TMD 9,852.0 (ft)		TD TVD 7,072.6 (ft)		REPT NO 27					
LCM: MUD PROPERTIES MUD TYPE: Brine													
VIS (s/qt)	PV/YP (cp) / (lb/100ft ²)	GELS (lb/100ft ²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
29.00	1.00/2	3/4											0.20
Density (ppg)	9.50			PP		DAILY COST	0.00	CUM COST	19,869	%OIL		% H2O	97.00
BHA	8	JAR S/N		BHA / HOLE CONDITIONS					JAR HRS		BIT	8	
BHA WT BELOW JARS		STRING WT UP		STRING WT DN		STRING WT ROT		TORQUE/UNITS		BHA LENGTH			
(kip)		190.0 (kip)		180.0 (kip)		185.0 (kip)		(ft-lbf)		94.53 (ft)			
COMPONENT TYPE		ITEM DESCRIPTION				NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE		
		FLEX NMDC				1	31.07	6.500	2.500	4.500	XH (EH)		
		DC				1	30.72	6.250	2.500	4.500	XH		
		NMDC				1	2.13	6.500	2.875	4.500	XH		
		UBHO				1	3.06	6.438	2.438	4.500	XH		
		MOTOR				1	26.55	6.750		4.500	XH		
		PDC				1	1.00	8.750		4.500	API REG		
SURVEY													
TYPE	MD (ft)	DEG (°)	AZI (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	V.SECT (ft)	D.L (°/100ft)					
	9,829.0	84.33	347.03	7,070.3	3,153.86	-686.99	3,153.86	0.32					
	9,766.0	84.24	347.21	7,064.1	3,092.75	-673.02	3,092.75	6.60					
CASING													
S/T	DESCRIPTION			SIZE	WEIGHT	GRADE	SETTING DEPTH						
00	SURFACE			13.375	48.00	H-40	1,596.0						
00	INTERMEDIATE 1			9.625	40.00	J-55	4,711.0						
MUD PUMPS/HYDRAULICS				SPP: 1991 (psi)		SPR							
	STROKE	SPM	LINER	FLOW RATE	AV(DP):	SPM		PPSR					
# 2	10.00	110.00	6.500	450.3	AV(DC):								
					HP: 0.349 (hp/in ²)								
PERSONNEL DATA													
COMPANY		QTY	HRS	COMPANY		QTY	HRS						
AIP		1	24.00	UNION DRILLING INC.		1	24.00						
NEWPARK DRILLING FLUIDS, LLC.		1	2.00	PATRIOT MUDLOGGING		2	24.00						
CALMENA		4	48.00	UNION DRILLING INC.		10	120.00						
TOTAL PERSONNEL ON BOARD: 19								TOTAL HOURS ON BOARD: 242					
MATERIALS/CONSUMPTION													
ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND						
DIESEL, RIG FUEL	gal	568	4260										
SAFETY DRILLS													
RAMS (psi)	ANNULARS (psi)	CASING	LAST BOP PRESS TEST	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	ABND. DRILL						
1000	09-29-2012 / 1000	09-27-2012 / 1000	09-27-2012	10-11-2012									
MUD INVENTORY													
ITEM	UNIT	USAGE	Daily Cost (\$)	ON HAND									
DRLG MUD			0.00	0.00									



APACHE CORPORATION

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Daily Drilling Report

WELLBORE NAME THREE BAR SHALLOW UNIT 103H										DATE 10-19-2012			
API # 4200344227 00		24 HRS PROG 761.0 (ft)		TMD 10,613.0 (ft)		TD TVD 7,116.9 (ft)		REPT NO 28					
RIG NAME NO. UNION 215		FIELD NAME THREE BAR WICHITA ALBANY		AUTH TMD 11,822.00 (ft)		PLANNED DOW 26.00 (days)		DFS 24.75 (days)		DOL 27.25 (days)			
SPUD DATE 09-25-2012 06:00		RIG RELEASE		SUPERVISOR 1 JAMES HUDSON (903) 285 - 2686				ENGINEER JEREMY WARD		PBTMD 5,418.0 (ft)			
REGION PERMIAN		DISTRICT ANDREWS - TX NCZ		STATE / PROV TEXAS		COUNTY / PARISH ANDREWS		RIG PHONE NO 281-366-0223		RIG FAX NO			
AFE # PA-12-0788-D		AFE COSTS		DAILY COSTS		CUMULATIVE COSTS							
DESCRIPTION: D&C A HORIZONTAL WICHITA ALBANY WELL		DHC: 1,817,000 DCC: CWC: Others: TOTAL: 1,817,000		DHC: 86,667 DCC: CWC: Others: TOTAL: 86,667		DHC: 1,573,283 DCC: CWC: Others: TOTAL: 1,573,283							
DEFAULT DATUM / ELEVATION RKB/RT / 3,321.0 (ft)		LAST SAFETY MEETING 10/19/2012		BLOCK		OCSG#		TARGET FORMATION WICHITA ALBANY		BHA HRS OF SERVICE			
LAST SURVEY MD 10,520.0 (ft) INC 87.41° AZM 345.10°				LAST CSG SHOE TEST (EMW)		LAST CASING 9.625 in @ 4,711.0 ft		NEXT CASING 5.500 in @ 11,822.0 ft					
CURRENT OPERATIONS: DRLG LATERAL @ 10,787', LAST SURVEY 10,710' MD, 7,119'TVD, 88.46 INC, 349.49 AZM, 5' ABOVE, 11' LEFT													
24 HR SUMMARY: DRILL LATERAL T/ 10,613', LAST SURVEY 10,520' MD, 7,112' TVD, 87.41 INC, 345.10 AZM., 6' ABOVE, 12' LEFT													
24 HR FORECAST: DRILL LATERAL													
OPERATION SUMMARY													
From	To	HRS	Op Phase	Op Code	PT/NPT	NPT CODES	ACTIVITY SUMMARY						
0:00	6:00	6.00	INT-DRL	DRLG	PP		DRLG LATERAL @ 9982' MD; LAST SURVEY @ 9860' MD; 7072' TVD; 345.6 AZM, 84.6 INCL, 6' BELOW, 1.5' LEFT. NO ISSUES.						
6:00	12:30	6.50	INT-DRL	DRLG	PP		DRLG LATERAL @ 10,258' MD, LAST SURVEY @ 10,144' MD, 7,091 TVD, 86.09 INC, 345.1 AZM, 3' BELOW, 2.5' LEFT. BRAKES NEED ADJUSTING.						
12:30	13:00	0.50	INT-DRL	RIGSER	PP		LUBRICATE RIG AND ADJUST BRAKE BAND'S.						
13:00	0:00	11.00	INT-DRL	DRLG	PP		DRLG LATERAL @ 10,613' MD, LAST SURVEY @ 10,520' MD, 7,112 TVD, 87.41 INC, 345.10 AZM, 2' ABOVE, 8' LEFT. NO ISSUES.						
24.00 = Total Hours Today													
06:00 UPDATE													
0000-0600 DRLG LATERAL @ 10,787', LAST SURVEY 10,710' MD, 7,119' TVD, 88.46 INC, 349.49 AZM, 5' ABOVE, 11' LEFT.													
BIT DATA													
BIT / RUN	BIT SIZE (in)	MANUFACTURER		TYPE	SERIAL NO	JETS OR TFA	DEPTH IN / DATE IN		I-O-D-L-B-G-O-R				
9 / 1	8.750	Security Dbs		FX55DR	11326391	6x18	9,849.00 / 10-18-2012		-----				
BIT OPERATIONS													
BIT / RUN	WOB	RPM	FLOW RATE	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP		
9/1	15/30	50/50	466.72	2180	87	23.50	761.0	32.4	24.00	764.0	31.8		
MOTOR OUTPUT													
RPV: 0.33rev/gal				ROTARY CURRENT: 50				TOTAL RPM: 204					
LCM:				MUD PROPERTIES				MUD TYPE: Brine					
VIS (s/qt)	PV/YP (cp) / (lb/100ft²)	GELS (lb/100ft²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
31.00	6.00/4	3/4											0.20
Density (ppg)	9.60			PP		DAILY COST	8,700.00	CUM COST	28,569	%OIL		% H2O	95.00

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Daily Drilling Report

WELLBORE NAME THREE BAR SHALLOW UNIT 103H								DATE 10-19-2012			
API # 4200344227 00		24 HRS PROG 761.0 (ft)		TMD 10,613.0 (ft)		TD TVD 7,116.9 (ft)		REPT NO 28			
BHA 9		JAR S/N		BHA / HOLE CONDITIONS			JAR HRS		BIT 9		
BHA WT BELOW JARS		STRING WT UP		STRING WT DN		STRING WT ROT		TORQUE/UNITS		BHA LENGTH	
(kip)		210.0 (kip)		180.0 (kip)		195.0 (kip)		(ft-lbf)		94.53 (ft)	
COMPONENT TYPE		ITEM DESCRIPTION				NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
		FLEX NMDC				1	31.07	6.500	2.500	4.500	XH (EH)
		DC				1	30.72	6.250	2.500	4.500	XH
		NMDC				1	2.13	6.500	2.875	4.500	XH
		UBHO				1	3.06	6.438	2.438	4.500	XH
		MOTOR				1	26.55	6.750		4.500	XH
		PDC				1	1.00	8.750		4.500	API REG
SURVEY											
TYPE	MD (ft)	DEG (°)	AZI (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	V.SECT (ft)	D.L (°/100ft)			
	10,520.0	87.41	345.10	7,112.5	3,820.35	-864.11	3,820.35	1.67			
	10,425.0	87.23	343.52	7,108.1	3,728.99	-838.45	3,728.99	1.53			
	10,332.0	86.97	344.92	7,103.4	3,639.61	-813.19	3,639.61	0.42			
	10,239.0	86.79	345.27	7,098.3	3,549.87	-789.30	3,549.87	0.76			
	10,144.0	86.09	345.10	7,092.4	3,458.21	-765.06	3,458.21	1.03			
	10,049.0	86.53	345.98	7,086.3	3,366.41	-741.39	3,366.41	0.75			
	9,955.0	86.53	345.27	7,080.6	3,275.52	-718.09	3,275.52	1.98			
	9,860.0	84.68	345.62	7,073.3	3,183.85	-694.29	3,183.85	4.67			
CASING											
S/T	DESCRIPTION			SIZE	WEIGHT	GRADE		SETTING DEPTH			
00	SURFACE			13.375	48.00	H-40		1,596.0			
00	INTERMEDIATE 1			9.625	40.00	J-55		4,711.0			
MUD PUMPS/HYDRAULICS					SPP: 2180 (psi)		SPR				
	STROKE	SPM	LINER	FLOW RATE	AV(DP):				SPM	PPSR	
# 2	10.00	114.00	6.500	466.7	AV(DC):						
					HP: 0.392 (hp/in²)						
PERSONNEL DATA											
COMPANY			QTY	HRS	COMPANY			QTY	HRS		
UNION DRILLING INC.			1	24.00	NEWPARK DRILLING FLUIDS, LLC.			1	2.00		
AIP			1	24.00	PATRIOT MUDLOGGING			2	24.00		
CALMENA			4	48.00	UNION DRILLING INC.			10	120.00		
TOTAL PERSONNEL ON BOARD: 19											
TOTAL HOURS ON BOARD: 242											
MATERIALS/CONSUMPTION											
ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND				
DIESEL, RIG FUEL	gal	1278	2982								
SAFETY DRILLS											
RAMS (psi)	ANNULARS (psi)	CASING	LAST BOP PRESS TEST	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	ABND. DRILL				
1000	09-29-2012 / 1000	09-27-2012 / 1000	09-27-2012	10-11-2012							
MUD INVENTORY											
ITEM	UNIT	USAGE	Daily Cost (\$)	ON HAND							
DRLG MUD		8,700.00	8,700.00	0.00							



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Daily Drilling Report

WELLBORE NAME THREE BAR SHALLOW UNIT 103H										DATE 10-20-2012			
API # 4200344227 00		24 HRS PROG 819.0 (ft)		TMD 11,432.0 (ft)		TD TVD 7,125.1 (ft)		REPT NO 29					
RIG NAME NO. UNION 215		FIELD NAME THREE BAR WICHITA ALBANY		AUTH TMD 11,822.00 (ft)		PLANNED DOW 26.00 (days)		DFS 25.75 (days)		DOL 28.25 (days)			
SPUD DATE 09-25-2012 06:00		RIG RELEASE		SUPERVISOR 1 JAMES HUDSON (903) 285 - 2686				ENGINEER JEREMY WARD		PBTMD 5,418.0 (ft)			
REGION PERMIAN		DISTRICT ANDREWS - TX NCZ		STATE / PROV TEXAS		COUNTY / PARISH ANDREWS		RIG PHONE NO 281-366-0223		RIG FAX NO			
AFE # PA-12-0788-D		AFE COSTS		DAILY COSTS		CUMULATIVE COSTS							
DESCRIPTION: D&C A HORIZONTAL WICHITA ALBANY WELL		DHC: 1,817,000 DCC: CWC: Others: TOTAL: 1,817,000		DHC: 77,461 DCC: CWC: Others: TOTAL: 77,461		DHC: 1,650,744 DCC: CWC: Others: TOTAL: 1,650,744							
DEFAULT DATUM / ELEVATION RKB/RT / 3,321.0 (ft)		LAST SAFETY MEETING 10/20/2012		BLOCK		OCSG#		TARGET FORMATION WICHITA ALBANY		BHA HRS OF SERVICE			
LAST SURVEY MD 11,373.0 (ft) INC 91.28° AZM 346.33°				LAST CSG SHOE TEST (EMW)		LAST CASING 9.625 in @ 4,711.0 ft		NEXT CASING 5.500 in @ 11,822.0 ft					
CURRENT OPERATIONS: DRILL LATERAL T/ 11,542', TD SURVEY 11,492' MD, 7,126 TVD, 89.78 INC., 345.98 AZM., 1' BELOW, 2' RIGHT, CIRC., LAY DOWN DP.													
24 HR SUMMARY: DRILL LATERAL T/ 11,432', LAST SURVEY 11,373' MD, 7,126' TVD, 91.28 INC., 348.33 AZM., 1.5' BELOW, 2.5' RIGHT.													
24 HR FORECAST: TOH, TIH W/ REAMER'S, REAM CURVE AND LATERAL HOLE.													
OPERATION SUMMARY													
From	To	HRS	Op Phase	Op Code	PT/NPT	NPT CODES	ACTIVITY SUMMARY						
0:00	6:00	6.00	INT-DRL	DRLG	PP		DRLG LATERAL @ 10,787', LAST SURVEY 10,710' MD, 7,119'TVD, 88.46 INC, 349.49 AZM, 5' ABOVE, 11' LEFT. NO ISSUE'S.						
6:00	13:00	7.00	INT-DRL	DRLG	PP		DRLG LATERAL @ 11,044', LAST SURVEY 10,900' MD, 7,124' TVD, 88.2 INC., 347.21 AZM., 0.7' ABOVE, 2' LEFT. NO ISSUE'S.						
13:00	13:30	0.50	INT-DRL	RIGSER	PP		LUBRICATE RIG.						
13:30	0:00	10.50	INT-DRL	DRLG	PP		DRLG LATERAL @ 11,432', LAST SURVEY 11, 373' MD, 7,126' TVD, 91.28 INC., 348.33 AZM., 1.5' BELOW, 2.5' RIGHT. NO ISSUE'S.						
24.00 = Total Hours Today													
06:00 UPDATE													
0000-0600 DRILL LATERAL T/ 11,542', TD SURVEY 11,492' MD, 7,126 TVD, 89.78 INC., 345.98 AZM., 1' BELOW, 2' RIGHT, CIRC., LAY DOWN DP.													
BIT DATA													
BIT / RUN	BIT SIZE (in)	MANUFACTURER		TYPE	SERIAL NO	JETS OR TFA	DEPTH IN / DATE IN		I-O-D-L-B-G-O-R				
9 / 1	8.750	Security Dbs		FX55DR	11326391	6x18	9,849.00 / 10-18-2012		-----				
BIT OPERATIONS													
BIT / RUN	WOB	RPM	FLOW RATE	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP		
9/1	15/35	50/50	466.72	2360	87	23.50	801.0	34.1	47.50	1,565.0	32.9		
MOTOR OUTPUT													
RPV: 0.33rev/gal				ROTARY CURRENT: 50				TOTAL RPM: 204					
LCM:				MUD PROPERTIES				MUD TYPE: Brine					
VIS (s/qt)	PV/YP (cp) / (lb/100ft²)	GELS (lb/100ft²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
30.00	6.00/4	3/4											0.20
Density (ppg)	9.60			PP		DAILY COST	0.00	CUM COST	28,569	%OIL		% H2O	95.00

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APACHE CORPORATION

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Daily Drilling Report

WELLBORE NAME										DATE	
THREE BAR SHALLOW UNIT 103H										10-20-2012	
API #		24 HRS PROG		TMD		TD TVD		REPT NO			
4200344227 00		819.0 (ft)		11,432.0 (ft)		7,125.1 (ft)		29			
BHA	9	JAR S/N		BHA / HOLE CONDITIONS			JAR HRS		BIT	9	
BHA WT BELOW JARS		STRING WT UP		STRING WT DN		STRING WT ROT		TORQUE/UNITS		BHA LENGTH	
(kip)		220.0 (kip)		180.0 (kip)		200.0 (kip)		(ft-lbf)		94.53 (ft)	
COMPONENT TYPE		ITEM DESCRIPTION			NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE	
		FLEX NMDC			1	31.07	6.500	2.500	4.500	XH (EH)	
		DC			1	30.72	6.250	2.500	4.500	XH	
		NMDC			1	2.13	6.500	2.875	4.500	XH	
		UBHO			1	3.06	6.438	2.438	4.500	XH	
		MOTOR			1	26.55	6.750		4.500	XH	
		PDC			1	1.00	8.750		4.500	API REG	
SURVEY											
TYPE	MD (ft)	DEG (°)	AZI (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	V.SECT (ft)	D.L (°/100ft)			
	11,373.0	91.28	346.33	7,126.5	4,653.22	-1,046.27	4,653.22	1.05			
	11,278.0	90.57	347.03	7,128.0	4,560.79	-1,024.38	4,560.79	0.63			
	11,185.0	90.31	347.56	7,128.7	4,470.07	-1,003.93	4,470.07	0.85			
	11,090.0	89.52	347.38	7,128.6	4,377.33	-983.32	4,377.33	0.84			
	10,994.0	88.90	346.86	7,127.3	4,283.76	-961.92	4,283.76	0.83			
	10,900.0	88.20	347.21	7,124.9	4,192.19	-940.84	4,192.19	2.89			
	10,805.0	88.99	349.84	7,122.5	4,099.12	-921.95	4,099.12	0.67			
	10,710.0	88.46	349.49	7,120.4	4,005.69	-904.91	4,005.69	1.22			
	10,678.0	88.29	349.14	7,119.5	3,974.25	-898.98	3,974.25	2.84			
	10,614.0	87.14	347.73	7,117.0	3,911.61	-886.16	3,911.61	2.81			
CASING											
S/T	DESCRIPTION			SIZE	WEIGHT	GRADE		SETTING DEPTH			
00	SURFACE			13.375	48.00	H-40		1,596.0			
00	INTERMEDIATE 1			9.625	40.00	J-55		4,711.0			
MUD PUMPS/HYDRAULICS				SPP: 2360 (psi)		SPR					
	STROKE	SPM	LINER	FLOW RATE	AV(DP):	SPM		PPSR			
# 1	10.00	114.00	6.500	466.7	AV(DC):						
					HP: 0.392 (hp/in²)						
PERSONNEL DATA											
COMPANY			QTY	HRS	COMPANY			QTY	HRS		
UNION DRILLING INC.			1	24.00	NEWPARK DRILLING FLUIDS, LLC.			1	0.00		
AIP			1	24.00	PATRIOT MUDLOGGING			2	24.00		
CALMENA			4	48.00	UNION DRILLING INC.			10	120.00		
TOTAL PERSONNEL ON BOARD: 19											
TOTAL HOURS ON BOARD: 240											
MATERIALS/CONSUMPTION											
ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND				
DIESEL, RIG FUEL	gal	1136	1846								
SAFETY DRILLS											
RAMS (psi)	ANNULARS (psi)	CASING	LAST BOP PRESS TEST	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	ABND. DRILL				
1000	09-29-2012 / 1000	09-27-2012 / 1000	09-27-2012	10-11-2012							



APACHE CORPORATION

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Daily Drilling Report

WELLBORE NAME THREE BAR SHALLOW UNIT 103H					DATE 10-21-2012						
API # 4200344227 00		24 HRS PROG 110.0 (ft)		TMD 11,542.0 (ft)		TD TVD 7,126.7 (ft)		REPT NO 30			
RIG NAME NO. UNION 215		FIELD NAME THREE BAR WICHITA ALBANY		AUTH TMD 11,822.00 (ft)		PLANNED DOW 26.00 (days)		DFS 26.75 (days)		DOL 29.25 (days)	
SPUD DATE 09-25-2012 06:00		RIG RELEASE		SUPERVISOR 1 JAMES HUDSON (903) 285 - 2686				ENGINEER JEREMY WARD		PBTMD 5,418.0 (ft)	
REGION PERMIAN		DISTRICT ANDREWS - TX NCZ		STATE / PROV TEXAS		COUNTY / PARISH ANDREWS		RIG PHONE NO 281-366-0223		RIG FAX NO	
AFE # PA-12-0788-D		AFE COSTS DHC: 1,817,000 DCC: CWC: Others: TOTAL: 1,817,000		DAILY COSTS DHC: 45,347 DCC: CWC: Others: TOTAL: 45,347		CUMULATIVE COSTS DHC: 1,696,091 DCC: CWC: Others: TOTAL: 1,696,091					
DESCRIPTION: D&C A HORIZONTAL WICHITA ALBANY WELL											
DEFAULT DATUM / ELEVATION RKB/RT / 3,321.0 (ft)		LAST SAFETY MEETING 10/21/2012		BLOCK		OCSG#		TARGET FORMATION WICHITA ALBANY		BHA HRS OF SERVICE	
LAST SURVEY MD 11,492.0 (ft) INC 89.78° AZM 345.98°				LAST CSG SHOE TEST (EMW)		LAST CASING 9.625 in @ 4,711.0 ft		NEXT CASING 5.500 in @ 11,822.0 ft			
CURRENT OPERATIONS: REAMING LATERAL @ 8,905' MD											
24 HR SUMMARY: DRILL LATERAL TO TD OF 11,542' MD, TD SURVEY 11,492' MD, 7,126' TVD, 89.78 INC., 345.98 AZM., 1' BELOW, 2' RIGHT, TOH, TIH, REAMING LATERAL @ 7,888'											
24 HR FORECAST: REAMING LATERAL											

OPERATION SUMMARY

From	To	HRS	Op Phase	Op Code	PT/NPT	NPT CODES	ACTIVITY SUMMARY
0:00	2:30	2.50	P-DRL	DRLG	PP		DRILL LATERAL TO TD OF 11,542' MD, TD SURVEY 11,492' MD, 7,126' TVD, 89.78 INC., 345.98 AZM., 1' BELOW, 2' RIGHT. NO ISSUE'S.
2:30	4:00	1.50	P-DRL	CIRC	PP		CIRCULATE HOLE CLEAN
4:00	10:00	6.00	P-DRL	PU_LD	PP		HSM, RU LEWIS CSG LAY DOWN TRUCK, LAY DOWN DP FOR REAMER RUN T/ 6,496'. R/D LAY DOWN TRUCK. WELL STATIC. NO ISSUE'S.
10:00	13:30	3.50	P-DRL	TRIP	PP		TOH F/ 6,496', LAY DOWN CALMENA DIRCTIONAL TOOL'S.
13:30	17:00	3.50	P-DRL	TRIP	PP		TIH W/ RT REAMER'S T/ 6,442'
17:00	0:00	7.00	P-DRL	RMWASH	PP		REAMING LATERAL @ 7,888'

24.00 = Total Hours Today

06:00 UPDATE

0000-0600 REAMING LATERAL @ 8,905' MD. NO ISSUE'S.

BIT DATA

BIT / RUN	BIT SIZE (in)	MANUFACTURER	TYPE	SERIAL NO	JETS OR TFA	DEPTH IN / DATE IN	I-O-D-L-B-G-O-R
8RR / 2	8.750	Security Dbs	FX55DR	11831967	5x18	11,542.00 / 10-21-2012	-----
9 / 1	8.750	Security Dbs	FX55DR	11326391	6x18	9,849.00 / 10-18-2012	0-1-BT-S-0-I-NO-TD

BIT OPERATIONS

BIT / RUN	WOB	RPM	FLOW RATE	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP
9/1	15/35	50/50	470.81	2360	87	2.50	110.0	44.0	50.00	1,693.0	33.9

MOTOR OUTPUT

RPV: ROTARY CURRENT: 50 TOTAL RPM: 205



APACHE CORPORATION
Daily Drilling Report

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WELLBORE NAME				DATE
THREE BAR SHALLOW UNIT 103H				10-21-2012
API #	24 HRS PROG	TMD	TD TVD	REPT NO
4200344227 00	110.0 (ft)	11,542.0 (ft)	7,126.7 (ft)	30

LCM:	MUD PROPERTIES										MUD TYPE: Brine
------	----------------	--	--	--	--	--	--	--	--	--	-----------------

VIS (s/qt)	PV/YP (cp) / (lb/100ft ²)	GELS (lb/100ft ²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
32.00	4.00/4	4/6											

Density (ppg)	9.60			PP		DAILY COST	4,681.72	CUM COST	33,251	%OIL		% H2O	96.00
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BHA	10	JAR S/N		BHA / HOLE CONDITIONS					JAR HRS		BIT	8RR
-----	----	---------	--	-----------------------	--	--	--	--	---------	--	-----	-----

BHA WT BELOW JARS		STRING WT UP		STRING WT DN		STRING WT ROT		TORQUE/UNITS		BHA LENGTH		
(kip)		(kip)		(kip)		(kip)		(ft-lbf)		81.05 (ft)		

COMPONENT TYPE		ITEM DESCRIPTION				NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
		RT REAMER - 8.5"				1	6.72	6.250	3.000	4.500	4-1/2" XH
		DRILL PIPE				1	31.89	4.500	3.000	4.500	4-1/2" XH
		RT REAMER - 8.250"				1	6.72	6.125	3.000	4.500	4-1/2" XH
		DRILL PIPE				1	31.72	4.500	3.000	4.500	4-1/2" XH
		BIT SUB				1	3.00	6.125	3.000	4.500	4-1/2" XH
		FX55DR PDC BIT				1	1.00	8.750		4.500	API Reg

SURVEY

TYPE	MD (ft)	DEG (°)	AZI (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	V.SECT (ft)	D.L (°/100ft)
	11,492.0	89.78	345.98	7,126.6	4,768.76	-1,074.74	4,768.76	0.84
	11,436.0	89.34	346.15	7,126.1	4,714.41	-1,061.25	4,714.41	3.09

CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
00	SURFACE	13.375	48.00	H-40	1,596.0
00	INTERMEDIATE 1	9.625	40.00	J-55	4,711.0

MUD PUMPS/HYDRAULICS				SPP: 2360 (psi)	SPR		
				AV(DP):			
				AV(DC):	SPM		PPSR
				HP: 0.396 (hp/in ²)			

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
UNION DRILLING INC.	1	24.00	NEWARK DRILLING FLUIDS, LLC.	1	2.00
AIP	1	24.00	PATRIOT MUDLOGGING	2	24.00
CALMENA	4	48.00	UNION DRILLING INC.	10	120.00

TOTAL PERSONNEL ON BOARD: 19

TOTAL HOURS ON BOARD: 242

MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
DIESEL, RIG FUEL	gal	1160	4686				

SAFETY DRILLS

RAMS (psi)	ANNULARS (psi)	CASING	LAST BOP PRESS TEST	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	ABND. DRILL
1000	09-29-2012 / 1000	09-27-2012 / 1000	09-27-2012	10-11-2012			

MUD INVENTORY

ITEM	UNIT	USAGE	Daily Cost (\$)	ON HAND
DRLG MUD		4,681.72	4,681.72	0.00



APACHE CORPORATION

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Daily Drilling Report

WELLBORE NAME THREE BAR SHALLOW UNIT 103H										DATE 10-22-2012			
API # 4200344227 00		24 HRS PROG (ft)		TMD 11,542.0 (ft)		TD TVD 7,126.7 (ft)		REPT NO 31					
RIG NAME NO. UNION 215		FIELD NAME THREE BAR WICHITA ALBANY		AUTH TMD 11,822.00 (ft)		PLANNED DOW 26.00 (days)		DFS 27.75 (days)		DOL 30.25 (days)			
SPUD DATE 09-25-2012 06:00		RIG RELEASE		SUPERVISOR 1 JAMES HUDSON (903) 285 - 2686				ENGINEER JEREMY WARD		PBTMD 5,418.0 (ft)			
REGION PERMIAN		DISTRICT ANDREWS - TX NCZ		STATE / PROV TEXAS		COUNTY / PARISH ANDREWS		RIG PHONE NO 281-366-0223		RIG FAX NO			
AFE # PA-12-0788-D		AFE COSTS		DAILY COSTS		CUMULATIVE COSTS							
DESCRIPTION: D&C A HORIZONTAL WICHITA ALBANY WELL		DHC: 1,817,000 DCC: CWC: Others: TOTAL: 1,817,000		DHC: 28,135 DCC: CWC: Others: TOTAL: 28,135		DHC: 1,724,226 DCC: CWC: Others: TOTAL: 1,724,226							
DEFAULT DATUM / ELEVATION RKB/RT / 3,321.0 (ft)		LAST SAFETY MEETING 10/22/2012		BLOCK		OCSG#		TARGET FORMATION WICHITA ALBANY		BHA HRS OF SERVICE			
LAST SURVEY				LAST CSG SHOE TEST (EMW)		LAST CASING		NEXT CASING					
MD 11,492.0 (ft) INC 89.78° AZM 345.98°						9.625 in @ 4,711.0 ft		5.500 in @ 11,822.0 ft					
CURRENT OPERATIONS: CIRCULATING, WAITING ON WEATHERFORD LOGGING													
24 HR SUMMARY: REAM LATERAL T/ 11,542', CIRCULATE													
24 HR FORECAST: CIRCULATE, TOH, TIH, RUN WEATHERFORD COMPACT SHUTTLE LOG'S													
OPERATION SUMMARY													
From	To	HRS	Op Phase	Op Code	PT/NPT	NPT CODES	ACTIVITY SUMMARY						
0:00	6:00	6.00	P-DRL	RMWASH	PP		REAMING LATERAL @ 8,905' MD. NO ISSUE'S.						
6:00	10:00	4.00	P-DRL	RMWASH	PP		REAMING LATERAL @ 10,181' MD. NO ISSUE'S.						
10:00	10:30	0.50	P-DRL	RIGSER	PP		LUBRICATE RIG.						
10:30	15:00	4.50	P-DRL	RMWASH	PP		REAMING LATERAL T/ 11,542'.						
15:00	0:00	9.00	P-DRL	CIRC	PN	WOE	PUMP 50 BBL HI-VIS SWEEP, CIRCULATE HOLE. WAITING ON WEATHERFORD LOGGING.						
24.00 = Total Hours Today													
06:00 UPDATE													
0000-0600 CIRCULATE WHILE WAITING ON WEATHERFORD LOGGING.													
BIT DATA													
BIT / RUN	BIT SIZE (in)	MANUFACTURER		TYPE	SERIAL NO	JETS OR TFA	DEPTH IN / DATE IN		I-O-D-L-B-G-O-R				
8RR / 2	8.750	Security Dbs		FX55DR	11831967	5x18	11,542.00 / 10-21-2012		-----				
MOTOR OUTPUT													
RPV:				ROTARY CURRENT:				TOTAL RPM:					
LCM:				MUD PROPERTIES				MUD TYPE: Brine					
VIS (s/qt)	PV/YP (cp) / (lb/100ft²)	GELS (lb/100ft²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
32.00	4.00/4	4/6		1.0									
Density (ppg)	9.60			PP		DAILY COST	0.00	CUM COST	33,251	%OIL		% H2O	96.00
BHA	10	JAR S/N		BHA / HOLE CONDITIONS				JAR HRS		BIT	8RR		
BHA WT BELOW JARS		STRING WT UP		STRING WT DN		STRING WT ROT		TORQUE/UNITS		BHA LENGTH			
(kip)		(kip)		(kip)		(kip)		(ft-lbf)		81.05 (ft)			



APACHE CORPORATION

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Daily Drilling Report

WELLBORE NAME THREE BAR SHALLOW UNIT 103H										DATE 10-23-2012			
API # 4200344227 00		24 HRS PROG (ft)		TMD 11,542.0 (ft)			TD TVD 7,126.7 (ft)			REPT NO 32			
RIG NAME NO. UNION 215		FIELD NAME THREE BAR WICHITA ALBANY			AUTH TMD 11,822.00 (ft)		PLANNED DOW 26.00 (days)		DFS 28.75 (days)		DOL 31.25 (days)		
SPUD DATE 09-25-2012 06:00		RIG RELEASE		SUPERVISOR 1 JAMES HUDSON (903) 285 - 2686				ENGINEER JEREMY WARD			PBTMD 5,418.0 (ft)		
REGION PERMIAN		DISTRICT ANDREWS - TX NCZ			STATE / PROV TEXAS		COUNTY / PARISH ANDREWS		RIG PHONE NO 281-366-0223		RIG FAX NO		
AFE # PA-12-0788-D		AFE COSTS DHC: 1,817,000 DCC: CWC: Others: TOTAL: 1,817,000			DAILY COSTS DHC: 33,521 DCC: CWC: Others: TOTAL: 33,521			CUMULATIVE COSTS DHC: 1,757,747 DCC: CWC: Others: TOTAL: 1,757,747					
DESCRIPTION: D&C A HORIZONTAL WICHITA ALBANY WELL													
DEFAULT DATUM / ELEVATION RKB/RT / 3,321.0 (ft)		LAST SAFETY MEETING 10/23/2012		BLOCK		OCSG#		TARGET FORMATION WICHITA ALBANY			BHA HRS OF SERVICE		
LAST SURVEY MD 11,492.0 (ft) INC 89.78° AZM 345.98°				LAST CSG SHOE TEST (EMW)		LAST CASING 9.625 in @ 4,711.0 ft			NEXT CASING 5.500 in @ 11,822.0 ft				
CURRENT OPERATIONS: MAKE UP, CALIBRATE AND TEST WEATHERFORD COMPACT SHUTTLE TRIPLE COMBO AND SONIC LOGGING TOOL'S. RIH @ 1,457'.													
24 HR SUMMARY: CIRCULATE WHILE WAITING ON WEATHERFORD LOGGING, TOH, SLIP DRILL LINE, WAIT ON WEATHERFORD LOGGING, MAKE UP COMPACT SHUTTLE LOGGING TOOL'S.													
24 HR FORECAST: RIH PRESSURE TESTING EVERY 30 STAND'S, LOG HOLE.													
OPERATION SUMMARY													
From	To	HRS	Op Phase	Op Code	PT/NPT	NPT CODES	ACTIVITY SUMMARY						
0:00	7:00	7.00	P-DRL	CIRC	PN	WOE	CIRCULATE WHILE WAITING ON WEATHERFORD LOGGING.						
7:00	14:00	7.00	P-DRL	TRIP	PP		DROP WEATHERFORD 1.875" DRIFT, LAY DOWN 6 JOINT'S OF DP, TOH.						
14:00	16:00	2.00	P-DRL	CUTDL	PP		CUT AND SLIP DRILL LINE.						
16:00	16:30	0.50	P-DRL	RIGSER	PP		LUBRICATE RIG						
16:30	20:30	4.00	P-DRL	WOO	PN	WOE	WAIT ON WEATHERFORD LOGGING						
20:30	0:00	3.50	P-EVAL	LOG	PP		MAKE UP, CALIBRATE AND TEST WEATHERFORD COMPACT SHUTTLE TRIPLE COMBO AND SONIC LOGGING TOOL'S. PRESSURE TEST USING HALLIBURTON PUMP TRUCK.						
24.00 = Total Hours Today													
06:00 UPDATE													
0000-0600 MAKE UP, CALIBRATE AND TEST WEATHERFORD COMPACT SHUTTLE TRIPLE COMBO AND SONIC LOGGING TOOL'S. RIH @ 1,457'													
BIT DATA													
BIT / RUN	BIT SIZE (in)	MANUFACTURER			TYPE	SERIAL NO	JETS OR TFA	DEPTH IN / DATE IN		I-O-D-L-B-G-O-R			
8RR / 2	8.750	Security Dbs			FX55DR	11831967	5x18	11,542.00 / 10-21-2012 11,542.00 / 10-23-2012		0-1-BT-S-0-I-NO-BHA -----			
MOTOR OUTPUT													
RPV:				ROTARY CURRENT:				TOTAL RPM:					
LCM:				MUD PROPERTIES				MUD TYPE: Brine					
VIS (s/qt)	PV/YP (cp) / (lb/100ft²)	GELS (lb/100ft²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd) / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
29.00	1.00/1			/6.00									-0.20
Density (ppg)	9.60			PP		DAILY COST	8,450.67	CUM COST	41,702	%OIL		% H2O	92.00



APACHE CORPORATION
Daily Drilling Report

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WELLBORE NAME THREE BAR SHALLOW UNIT 103H	DATE 10-23-2012
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API # 4200344227 00	24 HRS PROG (ft)	TMD 11,542.0 (ft)	TD TVD 7,126.7 (ft)	REPT NO 32
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BHA	11	JAR S/N		BHA / HOLE CONDITIONS	JAR HRS		BIT	
BHA WT BELOW JARS	STRING WT UP	STRING WT DN	STRING WT ROT	TORQUE/UNITS	BHA LENGTH			
(kip)	(kip)	(kip)	(kip)	(ft-lbf)	245.48 (ft)			

COMPONENT TYPE	ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
	REAMER SHOE	1	1.25	5.750	2.500	3.500	IF
	LANDING SUB	1	8.20	4.750	2.500	3.500	IF
	3.5" IF, X95 13.3#	6	190.11	4.875	2.688	3.500	IF
	LOWER LATCH	1	5.50	4.750	2.850	3.500	IF
	UPPER LATCH	1	4.50	4.750	2.560	3.500	IF
	3.5" IF, X95 13.3#	1	31.49	4.875	2.688	3.500	IF
	FLOAT SUB	1	2.33	4.750	2.560	3.500	IF
	CROSS OVER SUB	1	2.10	6.125	2.560	4.500	4-1/2" XH

CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
00	SURFACE	13.375	48.00	H-40	1,596.0
00	INTERMEDIATE 1	9.625	40.00	J-55	4,711.0

MUD PUMPS/HYDRAULICS					SPP:	SPR	
	STROKE	SPM	LINER	FLOW RATE	AV(DP):		
					AV(DC):	SPM	PPSR
					HP:		

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
UNION DRILLING INC.	1	24.00	AIP	1	24.00
WEATHERFORD	3	11.00	UNION DRILLING INC.	10	120.00

TOTAL PERSONNEL ON BOARD: 15

TOTAL HOURS ON BOARD: 179

MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
DIESEL, RIG FUEL	gal	568	3408				

SAFETY DRILLS

RAMS (psi)	ANNULARS (psi)	CASING	LAST BOP PRESS TEST	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	ABND. DRILL
1000	09-29-2012 / 1000	09-27-2012 / 1000	09-27-2012	10-11-2012			

MUD INVENTORY

ITEM	UNIT	USAGE	Daily Cost (\$)	ON HAND
DRLG MUD		8,450.67	8,450.67	0.00



APACHE CORPORATION

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Daily Drilling Report

WELLBORE NAME THREE BAR SHALLOW UNIT 103H										DATE 10-24-2012			
API # 4200344227 00		24 HRS PROG (ft)		TMD 11,542.0 (ft)			TD TVD 7,126.7 (ft)			REPT NO 33			
RIG NAME NO. UNION 215		FIELD NAME THREE BAR WICHITA ALBANY			AUTH TMD 11,822.00 (ft)		PLANNED DOW 26.00 (days)		DFS 29.75 (days)		DOL 32.25 (days)		
SPUD DATE 09-25-2012 06:00		RIG RELEASE		SUPERVISOR 1 JAMES HUDSON (903) 285 - 2686				ENGINEER JEREMY WARD			PBTMD 5,418.0 (ft)		
REGION PERMIAN		DISTRICT ANDREWS - TX NCZ			STATE / PROV TEXAS		COUNTY / PARISH ANDREWS		RIG PHONE NO 281-336-0223		RIG FAX NO		
AFE # PA-12-0788-D DESCRIPTION: D&C A HORIZONTAL WICHITA ALBANY WELL				AFE COSTS DHC: 1,817,000 DCC: CWC: Others: TOTAL: 1,817,000			DAILY COSTS DHC: 34,360 DCC: CWC: Others: TOTAL: 34,360			CUMULATIVE COSTS DHC: 1,792,107 DCC: CWC: Others: TOTAL: 1,792,107			
DEFAULT DATUM / ELEVATION RKB/RT / 3,321.0 (ft)				LAST SAFETY MEETING 10/24/2012		BLOCK		OCSG#		TARGET FORMATION WICHITA ALBANY		BHA HRS OF SERVICE	
LAST SURVEY MD 11,492.0 (ft) INC 89.78° AZM 345.98°						LAST CSG SHOE TEST (EMW)		LAST CASING 9.625 in @ 4,711.0 ft		NEXT CASING 5.500 in @ 11,822.0 ft			
CURRENT OPERATIONS: TOH, LAY DOWN WEATHERFORD LOGGING TOOL'S, TIH @ 2,771'													
24 HR SUMMARY: MAKE UP WEATHERFORD COMPACT SHUTTLE LOGGING TOOL'S, RIH, POOH LOGGING T/ 4711'.													
24 HR FORECAST: TIH, CIRCULATE, LAY DOWN DP.													
OPERATION SUMMARY													
From	To	HRS	Op Phase	Op Code	PT/NPT	NPT CODES	ACTIVITY SUMMARY						
0:00	5:00	5.00	P-EVAL	LOG	PP		MAKE UP, CALIBRATE AND TEST WEATHERFORD COMPACT SHUTTLE TRIPLE COMBO AND SONIC LOGGING TOOL'S.						
5:00	13:00	8.00	P-EVAL	LOG	PP		RIH T/ 11,436', PRESSURE TESTING EVERY 30 STAND'S.						
13:00	15:00	2.00	P-EVAL	LOG	PP		HSM, TAG BOTTOM AT 11,542' MD, STAND BACK TWO STAND'S DP. PUMP DART TO DEPLOY LOGGING TOOL'S. PUMP TO SHEAR SECOND PIN.						
15:00	0:00	9.00	P-EVAL	LOG	PP		POOH LOGGING WITH WEATHERFORD COMPACT SHUTTLE GAMMA, NEUTRON, DENSITY, SONIC AND LATEROLOG LOG'S T/ 4,711'.						
24.00 = Total Hours Today													
06:00 UPDATE													
0000-0600 TOH, LAY DOWN WEATHERFORD LOGGING TOOL'S, TIH @ 2,771'													
BIT DATA													
BIT / RUN	BIT SIZE (in)	MANUFACTURER			TYPE	SERIAL NO	JETS OR TFA	DEPTH IN / DATE IN		I-O-D-L-B-G-O-R			
								11,542.00 / 10-23-2012		-----			
MOTOR OUTPUT													
RPV:				ROTARY CURRENT:				TOTAL RPM:					
LCM:				MUD PROPERTIES						MUD TYPE: Brine			
VIS (s/qt)	PV/YP (cp) / (lb/100ft²)	GELS (lb/100ft²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
29.00	1.00/1												
Density (ppg)	9.60			PP		DAILY COST	0.00	CUM COST	41,702	%OIL		% H2O	92.00
BHA	11	JAR S/N		BHA / HOLE CONDITIONS					JAR HRS		BIT		
BHA WT BELOW JARS		STRING WT UP		STRING WT DN		STRING WT ROT		TORQUE/UNITS		BHA LENGTH			
(kip)		(kip)		(kip)		(kip)		(ft-lbf)		245.48 (ft)			



APACHE CORPORATION

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Daily Land - Orig Comp Report

WELL NAME THREE BAR SHALLOW UNIT 103H							DATE 10-25-2012	
Operator APACHE CORPORATION		API 4200344227	GL 3,304.00	TMD 11,542.00	TVD 7,126.75	RKB/RT 3,321.00	Working Int % 100.00	Report No 1
Region PERMIAN		District ANDREWS - TX NCZ	License	Well Supervisor JAMES HUDSON (903) 285 - 2686			Engineer / Geologist JEREMY WARD	
Field THREE BAR WICHITA ALB		State	County	Event Code LCM	Event Type LAND-ORIG COMP		Objective	
RIG Name UNION 215 /			RIG PHONE NO 281-336-0223		RIG Fax No		Tool Pusher DANNY LAMAN	
AFE #: PA-12-0788-C		AFE Description:						
AFE Costs 5,065,000		Previous Day Cum 0		Daily Costs 123,008	Cumulative Cost 123,008	AFE Remaining 4,941,992	AFE % 2.43	
Comment Summary 24 HR Forecast		TIH, CIRCULATE WHILE RU LEWIS LAY DOWN TRUCK, LAY DOWN DP @ 943'. RIH CASING, CEMENT, INSTALL TUBING WELLHEAD, RELEASE RIG.						
24 HR Operational Comments								
From	To	Duration	Operation Description					
12:00AM	01:30AM	1.50	TOH F/ 4,711' T/ 245'					
01:30AM	03:30AM	2.00	LAY DOWN WEATHERFORD COMPACT SHUTTLE LOGGING TOOL'S, DOWN LOAD DATA AND RECORD. NO ISSUE'S.					
03:30AM	10:30AM	7.00	TIH WITH CLEAN OUT BIT T/ 11,542'. NO ISSUE'S. NOTIFIED TRRC OF INTENT TO RUN 5.5" CASING AND CEMENT. SPOKE TO DALE AT 09:25 10/25/2012.					
10:30AM	12:30PM	2.00	PUMP 50 BBL HI-VIS SWEEP, CIRCULATE WHILE RU LEWIS LAY DOWN TRUCK.					
12:30PM	12:00AM	11.50	LAY DOWN DP @ 943'. SEVERAL DP JOINT'S DIFFICULT TO BRAKE CONNECTION.					
Remarks								
LAY DOWN DP, WAIT ON LEWIS CASING CREW, LOADING TWO HALLIBURTON CEMENT BIN'S.								
Directional Information								
Initial Deviation 2,500		Max Dev 91.3deg at 11,373		Max Dogleg 12.8 deg at 6,789				
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	1,596.00	1,355		-1,725.19	
INTERMEDIATE 1	9.63	40	J-55, HCK-55, K-55	4,711.04	1,550		1,389.34	
Fluids								
Type Brine	Weight	% Solids	NTU	Company Name NEWPARK				
Personnel								
Company Name	No of People	Hours Today	Cum / Event					
LEWIS CASING CREWS	2	14.0	14.0					
NEWPARK DRILLING FLUIDS	0	0.0	0.0					
AIP	1	24.0	24.0					
UNION DRILLING INC.	1	24.0	24.0					
WEATHERFORD	3	11.0	11.0					
UNION DRILLING INC.	10	120.0	120.0					
HALLIBURTON ENERGY SEF	0	0.0	0.0					
Total:	17	193.0	193.0					
BULKS								
Product DIESEL, RIG FUEL			QTY 2,272.0					



APACHE CORPORATION

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Daily Land - Orig Comp Report

Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
65506	DRILLING OVERHEAD	4,000	0	0	0	4,000	
70003	BITS, COREHEADS AND REAMERS	30,000	0	0	0	30,000	
70004	CASING CREW	17,000	0	0	0	17,000	
70006	CEMENT AND CEMENTING SERVICES	110,000	0	0	0	110,000	
70011	COMPANY SUPERVISION	27,500	0	0	0	27,500	
70017	CONTRACT LABOR	75,000	0	0	0	75,000	
70019	CONTRACT DRILLING-DAY/TURNKEY	155,000	0	15,500	15,500	139,500	CONTRACT DRILLING-DAY RATE, \$155,000
70021	CONTRACT SUPERVISION	5,000	0	1,650	1,650	3,350	WELLSITE SUPERVISION
70022	DIRECTIONAL DRILLING			0			DIRECTIONAL DRILLING CO.
70025	DRILLING FLUIDS			7,661			DAILY MUD COST
70025	DRILLING FLUIDS			9			CORROSION INHIBITOR
70025	DRILLING FLUIDS			7,669			
70031	EQUIPMENT RENTAL			150			H2S EQUIPMENT
70031	EQUIPMENT RENTAL			1,002			202 JNTS-G 105 4.5" DRILLPIPE
70031	EQUIPMENT RENTAL			25			TRASH TRAILER
70031	EQUIPMENT RENTAL			120			COMMUNICATION
70031	EQUIPMENT RENTAL			900			HWDP 30 JNTS- 4.5" XH
70031	EQUIPMENT RENTAL			0			TELEDRIFT
70031	EQUIPMENT RENTAL			50			6- INTERCOM PHONES
70031	EQUIPMENT RENTAL			110			FRAC TANK
70031	EQUIPMENT RENTAL			185			ROTATING HEAD
70031	EQUIPMENT RENTAL			410			11-3K X 11-5K, DSA, 2- 13.625" 5K SPAW
70031	EQUIPMENT RENTAL			355			PASON
70031	EQUIPMENT RENTAL			295			MOB, RENT, PORTAPOTTY, 2 TRAILER
70031	EQUIPMENT RENTAL			125			FORKLIFT
70031	EQUIPMENT RENTAL			135			CAMP OFF. GENERATOR
70031	EQUIPMENT RENTAL	300,000	0	3,862	3,862	296,138	
70034	FORMATION STIMULATION	2,800,000	0	0	0	2,800,000	
70037	FUEL AND POWER			3,050			DIESEL
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON			0			MUDLOGGERS
70046	LAND AND SITE RECLAMATION	20,000	0	0	0	20,000	
70049	LOGGING AND WIRELINE	450,000	0	90,280	90,280	359,720	COMPACT SHUTTLE LOG'S
70054	OTHER INTANGIBLE	140,000	0	0	0	140,000	
70065	SITE PREPARATION	9,000	0	0	0	9,000	
70069	SNUBBING/COIL TUBING UNIT	60,000	0	0	0	60,000	
70074	TRUCKING AND HAULING	200,000	0	0	0	200,000	
70076	TUBULAR INSPECTION/TESTING	7,500	0	0	0	7,500	
70077	WATER			0			BRINE WATER
70077	WATER			300			POTABLE CAMP WATER
70077	WATER			696			FRESH WATER
70077	WATER	100,000	0	996	996	99,004	
Total Intangible Cost		4,510,000	0	123,008	123,008	4,386,992	
71001	ARTIFICIAL LIFT	175,000	0	0	0	175,000	
71012	FLOWLINES TO BATTERY	20,000	0	0	0	20,000	
71040	PRODUCTION CASING	249,000	0	0	0	249,000	
71046	SEPARATORS	40,000	0	0	0	40,000	
71051	TANK BATTERY	15,000	0	0	0	15,000	
71053	TUBING	36,000	0	0	0	36,000	
71056	WELLHEAD ASSEMBLY	20,000	0	0	0	20,000	
Total Tangible Cost		555,000	0		0	555,000	



APACHE CORPORATION

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Daily Land - Orig Comp Report

WELL NAME THREE BAR SHALLOW UNIT 103H	DATE 10-26-2012
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Operator APACHE CORPORATION	API 4200344227	GL 3,304.00	TMD 11,542.00	TVD 7,126.75	RKB/RT 3,321.00	Working Int % 100.00	Report No 2
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Region PERMIAN	District ANDREWS - TX NCZ	License	Well Supervisor JAMES HUDSON (903) 285 - 2686	Engineer / Geologist JEREMY WARD
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Field THREE BAR WICHITA ALB	State	County	Event Code LCM	Event Type LAND-ORIG COMP	Objective
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RIG Name UNION 215 /	RIG PHONE NO 281-336-0223	RIG Fax No	Tool Pusher DANNY LAMAN
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AFE #: PA-12-0788-C	AFE Description:
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AFE Costs 5,065,000	Previous Day Cum 123,008	Daily Costs 37,052	Cumulative Cost 160,060	AFE Remaining 4,904,940	AFE % 3.16
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Comment Summary 24 HR Forecast	LAY DOWN DP F/ 943', WAIT ON LEWIS CASING CREW, RIH 5.5" CSG, CIRCULATE, CEMENTING INSTALL AND TEST WELLHEAD, CLEAN MUD PIT'S, RELEASE RIG.
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24 HR Operational Comments

From	To	Duration	Operation Description
12:00AM	01:30AM	1.50	LAY DOWN DP F/943'. NO ISSUE'S
01:30AM	07:30AM	6.00	WAITING ON LEWIS CASING CREW. LOADING TWO HALLIBURTON CEMENT BIN'S.
07:30AM	09:00AM	1.50	HSM, RU LEWIS CSG CRW., RUN 275 JT 5.5", 20#, P-110, LTC CSG, W/ FLOAT SHOE AND FLOAT COLLAR. FLOAT COLLAR SET @ 11,528.54"; CASING SET AT 11,530'. WASHED 8" TO BOTTOM. RIG DOWN CASING EQUIPMENT.
09:00AM	10:00AM	1.00	CIRCULATE HOLE CLEAN.
10:00AM	12:00AM	14.00	HSM, RU HALLIBURTON IRON, PUMP 20 BBLS H2O AHEAD PUMP 20 BBLS MUD FLUSH LEAD: W/ 850 SKS VERSACEM- H; MIX @ 11.9 PPG @ 2.28 CUFT/SK; 345 BBLS SLY TAIL: W/ 1470 SKS VERSACEM-H; MIX @ 14.2 PPG @ 1.33 CUFT/SK; 348 BBLS SLY DISPLACE W/ 255 BBLS FRESH WATER BP @ 01:30 10/27/2012 W/ 2,065 PSI; PRIOR PSI @ 1,565 # FLOAT HELD OK; CIRC. 255 BBLS, 628 SKS CEMENT TO SURFACE.

Remarks

CEMENT, BP @ 01:30 HRS 10/27/2012 W/ 2065 PSI, PRIOR PSI 1565#, PLUG HELD W/ 255 BBLS, 628 SKS CEMENT TO SURFACE, ND BOP, SET 140K ON CSG SLIP'S, LAYING DOWN BOP

Directional Information

Initial Deviation 2,500	Max Dev 91.3deg at 11,373	Max Dogleg 12.8 deg at 6,789
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Casing / Tubing Information

Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	1,596.00	1,355		-1,725.19	
INTERMEDIATE 1	9.63	40	J-55, HCK-55, K-55	4,711.04	1,550		1,389.34	
PRODUCTION 1	5.50	20, 0	P 110	11,529.96			3,805.70	

Personnel

Company Name	No of People	Hours Today	Cum / Event
AIP	1	24.0	48.0
WEATHERFORD	0	0.0	11.0
LEWIS CASING CREWS	6	72.0	86.0
NEWPARK DRILLING FLUIDS	0	0.0	0.0
UNION DRILLING INC.	1	24.0	48.0
HALLIBURTON ENERGY SEF	4	32.0	32.0
UNION DRILLING INC.	10	120.0	240.0
Total:	22	272.0	465.0

BULKS

Product DIESEL, RIG FUEL	QTY 1,846.0
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APACHE CORPORATION

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Daily Land - Orig Comp Report

Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
65506	DRILLING OVERHEAD	4,000	0	0	0	4,000	
70003	BITS, COREHEADS AND REAMERS	30,000	0	0	0	30,000	
70004	CASING CREW			7,436			PRODUCTION CASING CREW
70004	CASING CREW			8,000			LAY DOWN TRUCK FOR DP & CSG
70004	CASING CREW	17,000	0	15,436	15,436	1,565	
70006	CEMENT AND CEMENTING SERVICES	110,000	0	0	0	110,000	
70011	COMPANY SUPERVISION	27,500	0	0	0	27,500	
70017	CONTRACT LABOR	75,000	0	0	0	75,000	
70019	CONTRACT DRILLING-DAY/TURNKEY	155,000	15,500	15,500	31,000	124,000	CONTRACT DRILLING-DAY RATE, \$155
70021	CONTRACT SUPERVISION	5,000	1,650	1,650	3,300	1,700	WELLSITE SUPERVISION
70022	DIRECTIONAL DRILLING		0	0	0		DIRECTIONAL DRILLING CO.
70025	DRILLING FLUIDS			0			DAILY MUD COST
70025	DRILLING FLUIDS			0			CORROSION INHIBITOR
70025	DRILLING FLUIDS		7,669	0	7,669		
70031	EQUIPMENT RENTAL			25			TRASH TRAILER
70031	EQUIPMENT RENTAL			0			HWDP 30 JNTS- 4.5" XH
70031	EQUIPMENT RENTAL			50			6- INTERCOM PHONES
70031	EQUIPMENT RENTAL			295			MOB, RENT, PORTAPOTTY, 2 TRAILER
70031	EQUIPMENT RENTAL			185			ROTATING HEAD
70031	EQUIPMENT RENTAL			110			FRAC TANK
70031	EQUIPMENT RENTAL			150			H2S EQUIPMENT
70031	EQUIPMENT RENTAL			0			202 JNTS-G 105 4.5" DRILLPIPE
70031	EQUIPMENT RENTAL			125			FORKLIFT
70031	EQUIPMENT RENTAL			120			COMMUNICATION
70031	EQUIPMENT RENTAL			300			PASON
70031	EQUIPMENT RENTAL			0			TELEDRIFT
70031	EQUIPMENT RENTAL			135			CAMP OFF. GENERATOR
70031	EQUIPMENT RENTAL			410			11-3K X 11-5K, DSA, 2- 13.625" 5K SPA
70031	EQUIPMENT RENTAL	300,000	3,862	1,905	5,767	294,233	
70034	FORMATION STIMULATION	2,800,000	0	0	0	2,800,000	
70037	FUEL AND POWER		3,050	1,525	4,575		DIESEL
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		MUDLOGGERS
70046	LAND AND SITE RECLAMATION	20,000	0	0	0	20,000	
70049	LOGGING AND WIRELINE	450,000	90,280	0	90,280	359,720	
70054	OTHER INTANGIBLE	140,000	0	0	0	140,000	
70065	SITE PREPARATION	9,000	0	0	0	9,000	
70069	SNUBBING/COIL TUBING UNIT	60,000	0	0	0	60,000	
70074	TRUCKING AND HAULING	200,000	0	1,036	1,036	198,964	HAUL OUT RENTAL 30 JNTS 4.5" HWD
70076	TUBULAR INSPECTION/TESTING	7,500	0	0	0	7,500	
70077	WATER			0			BRINE WATER
70077	WATER			0			FRESH WATER
70077	WATER	100,000	996	0	996	99,004	
Total Intangible Cost		4,510,000	123,008	37,052	160,060	4,349,940	
71001	ARTIFICIAL LIFT	175,000	0	0	0	175,000	
71012	FLOWLINES TO BATTERY	20,000	0	0	0	20,000	
71040	PRODUCTION CASING	249,000	0	0	0	249,000	
71046	SEPARATORS	40,000	0	0	0	40,000	
71051	TANK BATTERY	15,000	0	0	0	15,000	
71053	TUBING	36,000	0	0	0	36,000	
71056	WELLHEAD ASSEMBLY	20,000	0	0	0	20,000	



APACHE CORPORATION

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Daily Land - Orig Comp Report

WELL NAME THREE BAR SHALLOW UNIT 103H							DATE 10-27-2012	
Operator APACHE CORPORATION		API 4200344227	GL 3,304.00	TMD 11,542.00	TVD 7,126.75	RKB/RT 3,321.00	Working Int % 100.00	Report No 3
Region PERMIAN		District ANDREWS - TX NCZ		License		Well Supervisor JAMES HUDSON (903) 285 - 2686		Engineer / Geologist JEREMY WARD
Field THREE BAR WICHITA ALB		State		County		Event Code LCM		Event Type LAND-ORIG COMP
RIG Name UNION 215 /		RIG PHONE NO 281-336-0223		RIG Fax No		Tool Pusher DANNY LAMAN		
AFE #: PA-12-0788-C		AFE Description:						
AFE Costs 5,065,000		Previous Day Cum 160,060		Daily Costs 137,514		Cumulative Cost 297,574		AFE Remaining 4,767,426
AFE % 5.88								
Comment Summary 24 HR Forecast		CEMENT, ND BOP, SET 140K ON CSG SLIP'S, INSTALL TUBING WELLHEAD, RELEASE RIG @ 13:00 HRS 10/27/2012, RIG DOWN, WAIT ON DAYLIGHT. RIG DOWN FOR MOVE TO UNIVERSITY DEVONIAN A 37 #7						
24 HR Operational Comments								
From	To	Duration	Operation Description					
12:00AM	02:00AM	2.00	HALLIBURTON DISPLACED W/ 255 BBLS FRESH WATER BP @ 01:30 10/27/2012 W/ 2,065 PSI; PRIOR PSI @ 1,565 # FLOAT HELD OK; CIRC. 255 BBLS, 628 SKS CEMENT TO SURFACE. RD CEMENTER'S.					
02:00AM	04:00AM	2.00	ND AND LIFT BOP.					
04:00AM	09:00AM	5.00	WEATHERFORD SET 140K ON CASING SLIP'S. LAY DOWN BOP. DRESS CUT CASING, INSTALL TUBING WELLHEAD, TEST VOID'S TO 4,200 PSI, GOOD TEST.					
09:00AM	01:00PM	4.00	FINISH CLEANING MUD PIT'S. RIG RELEASED FROM THREE BAR 103H @ 13:00 HRS 10/27/2012.					
01:00PM	07:00PM	6.00	RIG DOWN DERRICK, RIG FLOOR, MUD PIT'S, AND PUMP'S FOR MOVE TO UNIVERSITY DEVONIAN A 37 #7.					
07:00PM	12:00AM	5.00	WAITING ON DAYLIGHT.					
Remarks								
RIG IDLE, WAITING ON DAYLIGHT.								
Squeeze / Repair / Plugs								
Date 10/26/2012	From	To	Work Done PRODUCTION CASING PRIMARY CEMENT				Date Report 10/27/2012	
Directional Information								
Initial Deviation 2,500	Max Dev 91.3deg at 11,373		Max Dogleg 12.8 deg at 6,789					
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	1,596.00	1,355		-1,725.19	
INTERMEDIATE 1	9.63	40	J-55, HCK-55, K-55	4,711.04	1,550		1,389.34	
PRODUCTION 1	5.50	20, 0	P 110	11,529.96			3,805.70	
Personnel								
Company Name	No of People	Hours Today	Cum / Event					
UNION DRILLING INC.	1	24.0	72.0					
LEWIS CASING CREWS	0	0.0	86.0					
NEWPARK DRILLING FLUIDS	0	0.0	0.0					
AIP	1	24.0	72.0					
WEATHERFORD	0	0.0	11.0					
HALLIBURTON ENERGY SEF	0	0.0	32.0					
UNION DRILLING INC.	10	120.0	360.0					
Total:	12	168.0	633.0					
BULKS								
Product DIESEL, RIG FUEL	QTY 0.0							



APACHE CORPORATION

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Daily Land - Orig Comp Report

Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
65506	DRILLING OVERHEAD	4,000	0	0	0	4,000	
70003	BITS, COREHEADS AND REAMERS	30,000	0	0	0	30,000	
70004	CASING CREW	17,000	15,436	0	15,436	1,565	
70006	CEMENT AND CEMENTING SERVICES	110,000	0	106,927	106,927	3,073	CEMENT PRODUCTION CASING
70008	COMMUNICATIONS			450			RD INTERCOM PHONE'S
70011	COMPANY SUPERVISION	27,500	0	0	0	27,500	
70017	CONTRACT LABOR	75,000	0	0	0	75,000	
70019	CONTRACT DRILLING-DAY/TURNKEY	155,000	31,000	15,500	46,500	108,500	CONTRACT DRILLING-DAY RATE, \$150
70021	CONTRACT SUPERVISION	5,000	3,300	1,650	4,950	50	WELLSITE SUPERVISION
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS			0			CORROSION INHIBITOR
70025	DRILLING FLUIDS			0			DAILY MUD COST
70025	DRILLING FLUIDS		7,669	0	7,669		
70031	EQUIPMENT RENTAL			0			HWDP 30 JNTS- 4.5" XH
70031	EQUIPMENT RENTAL			0			ROTATING HEAD
70031	EQUIPMENT RENTAL			125			FORKLIFT
70031	EQUIPMENT RENTAL			0			COMMUNICATION
70031	EQUIPMENT RENTAL			295			MOB, RENT, PORTAPOTTY, 2 TRAILER
70031	EQUIPMENT RENTAL			345			TRASH TRAILER FINAL RELEASE CHA
70031	EQUIPMENT RENTAL			410			11-3K X 11-5K, DSA, 2- 13.625" 5K SPA
70031	EQUIPMENT RENTAL			135			CAMP OFF. GENERATOR
70031	EQUIPMENT RENTAL			0			TELEDRIFT
70031	EQUIPMENT RENTAL			300			PASON
70031	EQUIPMENT RENTAL			110			FRAC TANK
70031	EQUIPMENT RENTAL			0			H2S EQUIPMENT
70031	EQUIPMENT RENTAL	300,000	5,767	1,720	7,487	292,513	
70034	FORMATION STIMULATION	2,800,000	0	0	0	2,800,000	
70037	FUEL AND POWER		4,575	508	5,084		DIESEL
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		MUDLOGGERS
70046	LAND AND SITE RECLAMATION	20,000	0	0	0	20,000	
70049	LOGGING AND WIRELINE	450,000	90,280	0	90,280	359,720	
70054	OTHER INTANGIBLE	140,000	0	0	0	140,000	
70065	SITE PREPARATION	9,000	0	0	0	9,000	
70069	SNUBBING/COIL TUBING UNIT	60,000	0	0	0	60,000	
70074	TRUCKING AND HAULING	200,000	1,036	0	1,036	198,964	
70076	TUBULAR INSPECTION/TESTING	7,500	0	0	0	7,500	
70077	WATER			0			BRINE WATER
70077	WATER			1,392			FRESH WATER
70077	WATER	100,000	996	1,392	2,388	97,612	
Total Intangible Cost		4,510,000	160,060	128,147	288,207	4,221,793	
71001	ARTIFICIAL LIFT	175,000	0	0	0	175,000	
71012	FLOWLINES TO BATTERY	20,000	0	0	0	20,000	
71040	PRODUCTION CASING	249,000	0	0	0	249,000	
71046	SEPARATORS	40,000	0	0	0	40,000	
71051	TANK BATTERY	15,000	0	0	0	15,000	
71053	TUBING	36,000	0	0	0	36,000	
71056	WELLHEAD ASSEMBLY			8,081			11" 5K X 7 1/16" 5K WELLHEAD
71056	WELLHEAD ASSEMBLY			1,285			WELLHEAD TECH LABOR
71056	WELLHEAD ASSEMBLY	20,000	0	9,366	9,366	10,634	
Total Tangible Cost		555,000	0	9,366	9,366	545,634	



APACHE CORPORATION

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Daily Land - Orig Comp Report

WELL NAME THREE BAR SHALLOW UNIT 103H							DATE 11-20-2012		
Operator APACHE CORPORATION		API 4200344227	GL 3,304.00	TMD 11,542.00	TVD	RKB/RT 3,321.00	Working Int % 100.00	Report No 4	
Region PERMIAN		District ANDREWS - TX NCZ	License	Well Supervisor JAMES HUDSON (903) 285 - 2686			Engineer / Geologist JEREMY WARD		
Field THREE BAR WICHITA ALB		State	County	Event Code LCM	Event Type LAND-ORIG COMP		Objective		
RIG Name UNION 215 /			RIG PHONE NO 281-336-0223		RIG Fax No		Tool Pusher DANNY LAMAN		
AFE #: PA-12-0788-C		AFE Description:							
AFE Costs 5,065,000		Previous Day Cum 289,713		Daily Costs 45,398		Cumulative Cost 335,111		AFE Remaining 4,729,889	AFE % 6.62
Comment Summary 24 HR Forecast		COST UPDATE							
24 HR Operational Comments									
From	To	Duration	Operation Description						
Squeeze / Repair / Plugs									
Date 10/26/2012	From	To	Work Done PRODUCTION CASING PRIMARY CEMENT					Date Report 10/27/2012	
Directional Information									
Initial Deviation 2,500	Max Dev 91.3deg at 11,373		Max Dogleg 12.8 deg at 6,789						
Casing / Tubing Information									
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method	
SURFACE	13.38	48	H-40	1,596.00	1,355		-1,725.19		
INTERMEDIATE 1	9.63	40	J-55, HCK-55, K-55	4,711.04	1,550		1,389.34		
PRODUCTION 1	5.50	20, 0	P 110	11,529.96			3,805.70		
BULKS									
Product			QTY						
DIESEL, RIG FUEL			0.0						
			0.0						



APACHE CORPORATION

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Daily Land - Orig Comp Report

Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
65506	DRILLING OVERHEAD	4,000	0	0	0	4,000	
70003	BITS, COREHEADS AND REAMERS	30,000	0	0	0	30,000	
70004	CASING CREW	17,000	15,436	0	15,436	1,565	
70006	CEMENT AND CEMENTING SERVICES	110,000	106,927	0	106,927	3,073	
70008	COMMUNICATIONS		450	0	450		
70011	COMPANY SUPERVISION	27,500	0	0	0	27,500	
70017	CONTRACT LABOR	75,000	0	0	0	75,000	
70019	CONTRACT DRILLING-DAY/TURNKEY	155,000	39,396	8,396	47,792	107,208	CONTRACT DRILLING-DAY RATE, \$150
70021	CONTRACT SUPERVISION	5,000	4,194	894	5,088	-88	WELLSITE SUPERVISION
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		7,669	0	7,669		CORROSION INHIBITOR
70026	ELECTRICAL CONTRACT			22,500			ELECTRICAL CONTRACT
70031	EQUIPMENT RENTAL	300,000	7,487	0	7,487	292,513	HWDP 30 JNTS- 4.5" XH
70034	FORMATION STIMULATION	2,800,000	0	0	0	2,800,000	
70037	FUEL AND POWER		5,084	508	5,592		DIESEL
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		MUDLOGGERS
70046	LAND AND SITE RECLAMATION	20,000	0	0	0	20,000	
70049	LOGGING AND WIRELINE	450,000	90,280	0	90,280	359,720	
70054	OTHER INTANGIBLE	140,000	0	0	0	140,000	
70065	SITE PREPARATION	9,000	0	0	0	9,000	
70069	SNUBBING/COIL TUBING UNIT	60,000	0	0	0	60,000	
70074	TRUCKING AND HAULING	200,000	1,036	0	1,036	198,964	
70076	TUBULAR INSPECTION/TESTING	7,500	0	0	0	7,500	
70077	WATER	100,000	2,388	0	2,388	97,612	BRINE WATER
Total Intangible Cost		4,510,000	280,347	32,298	312,645	4,197,355	
71001	ARTIFICIAL LIFT	175,000	0	0	0	175,000	
71012	FLOWLINES TO BATTERY	20,000	0	0	0	20,000	
71026	MCC/ SWITCHGEAR			13,100			MCC/ SWITCHGEAR
71040	PRODUCTION CASING	249,000	0	0	0	249,000	
71046	SEPARATORS	40,000	0	0	0	40,000	
71051	TANK BATTERY	15,000	0	0	0	15,000	
71053	TUBING	36,000	0	0	0	36,000	
71056	WELLHEAD ASSEMBLY	20,000	9,366	0	9,366	10,634	
Total Tangible Cost		555,000	9,366	13,100	22,466	532,534	
Total:		5,065,000	289,713	45,398	335,111	4,729,889	



APACHE CORPORATION

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Daily Land - Orig Comp Report

WELL NAME THREE BAR SHALLOW UNIT 103H							DATE 11-26-2012	
Operator APACHE CORPORATION		API 4200344227	GL 3,304.00	TMD 11,542.00	TVD	RKB/RT 3,321.00	Working Int % 100.00	Report No 5
Region PERMIAN		District ANDREWS - TX NCZ	License	Well Supervisor BOBBY CLOUD		Engineer / Geologist STEPHEN MARCIL		
Field THREE BAR WICHITA ALB		State	County	Event Code LCM	Event Type LAND-ORIG COMP		Objective	
RIG Name UNION 215 /			RIG PHONE NO 281-336-0223		RIG Fax No		Tool Pusher DANNY LAMAN	
AFE #: PA-12-0788-C		AFE Description:						
AFE Costs 5,065,000		Previous Day Cum 335,111		Daily Costs 25,100	Cumulative Cost 360,211	AFE Remaining 4,704,789	AFE % 7.11	
Comment Summary 24 HR Forecast		MIRU COIL TBG, FLOWBACK EQUIPMENT RIH W/MOTOR & MILL FOR PRE-FRAC/WIRELINE CLEAN-UP RUN.						
24 HR Operational Comments								
From 07:00AM	To 06:45PM	Duration 11.75	Operation Description MIRU C & J COIL TBG, WAIT ON FLOW TEE, FRAC VALVE, AND OTHER EQUIPMENT MOVE FRAC TANKS, SET-UP FLOW BACK MANIFOLD.					
Squeeze / Repair / Plugs								
Date 10/26/2012	From	To	Work Done PRODUCTION CASING PRIMARY CEMENT				Date Report 10/27/2012	
Directional Information								
Initial Deviation 2,500	Max Dev 91.3deg at 11,373		Max Dogleg 12.8 deg at 6,789					
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	1,596.00	1,355		-1,725.19	
INTERMEDIATE 1	9.63	40	J-55, HCK-55, K-55	4,711.04	1,550		1,389.34	
PRODUCTION 1	5.50	20, 0	P 110	11,529.96			3,805.70	
BULKS								
Product			QTY					
DIESEL, RIG FUEL			0.0					



APACHE CORPORATION

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Daily Land - Orig Comp Report

Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
65506	DRILLING OVERHEAD	4,000	0	0	0	4,000	
70003	BITS, COREHEADS AND REAMERS	30,000	0	0	0	30,000	
70004	CASING CREW	17,000	15,436	0	15,436	1,565	
70006	CEMENT AND CEMENTING SERVICES	110,000	106,927	0	106,927	3,073	
70008	COMMUNICATIONS		450	0	450		
70011	COMPANY SUPERVISION	27,500	0	500	500	27,000	BOBBY CLOUD
70017	CONTRACT LABOR	75,000	0	2,800	2,800	72,200	FLOWBACK
70019	CONTRACT DRILLING-DAY/TURNKEY	155,000	47,792	0	47,792	107,208	CONTRACT DRILLING-DAY RATE, \$150
70021	CONTRACT SUPERVISION	5,000	5,088	0	5,088	-88	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		7,669	0	7,669		CORROSION INHIBITOR
70026	ELECTRICAL CONTRACT		22,500	0	22,500		
70031	EQUIPMENT RENTAL	300,000	7,487	3,800	11,287	288,713	FRAC VALVE, TANKS,
70034	FORMATION STIMULATION	2,800,000	0	0	0	2,800,000	
70037	FUEL AND POWER		5,592	0	5,592		DIESEL
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		MUDLOGGERS
70046	LAND AND SITE RECLAMATION	20,000	0	0	0	20,000	
70049	LOGGING AND WIRELINE	450,000	90,280	0	90,280	359,720	
70054	OTHER INTANGIBLE	140,000	0	0	0	140,000	
70065	SITE PREPARATION	9,000	0	0	0	9,000	
70069	SNUBBING/COIL TUBING UNIT	60,000	0	15,000	15,000	45,000	C & J COILED TBG.
70074	TRUCKING AND HAULING	200,000	1,036	0	1,036	198,964	
70076	TUBULAR INSPECTION/TESTING	7,500	0	0	0	7,500	
70077	WATER	100,000	2,388	3,000	5,388	94,612	2% KCL WATER
Total Intangible Cost		4,510,000	312,645	25,100	337,745	4,172,255	
71001	ARTIFICIAL LIFT	175,000	0	0	0	175,000	
71012	FLOWLINES TO BATTERY	20,000	0	0	0	20,000	
71026	MCC/ SWITCHGEAR		13,100	0	13,100		
71040	PRODUCTION CASING	249,000	0	0	0	249,000	
71046	SEPARATORS	40,000	0	0	0	40,000	
71051	TANK BATTERY	15,000	0	0	0	15,000	
71053	TUBING	36,000	0	0	0	36,000	
71056	WELLHEAD ASSEMBLY	20,000	9,366	0	9,366	10,634	
Total Tangible Cost		555,000	22,466		22,466	532,534	
Total:		5,065,000	335,111	25,100	360,211	4,704,789	



APACHE CORPORATION

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Daily Land - Orig Comp Report

WELL NAME THREE BAR SHALLOW UNIT 103H							DATE 11-27-2012	
Operator APACHE CORPORATION		API 4200344227	GL 3,304.00	TMD 11,542.00	TVD	RKB/RT 3,321.00	Working Int % 100.00	Report No 6
Region PERMIAN		District ANDREWS - TX NCZ	License		Well Supervisor BOBBY CLOUD		Engineer / Geologist STEPHEN MARCIL	
Field THREE BAR WICHITA ALB		State		County	Event Code LCM	Event Type LAND-ORIG COMP		Objective
RIG Name UNION 215 /			RIG PHONE NO 281-336-0223		RIG Fax No		Tool Pusher DANNY LAMAN	
AFE #: PA-12-0788-C		AFE Description:						
AFE Costs 5,065,000		Previous Day Cum 360,211		Daily Costs 58,390	Cumulative Cost 418,601	AFE Remaining 4,646,399		AFE % 8.26
Comment Summary 24 HR Forecast		RIH W/4.50" MILL TO 10,507', PUMP 10 BBL SWEEP, PUMPING RATE AT 3 BPM. POOH W/C.T, RD TOOLS AND UNIT. MO C.T UNIT LOG WELL THURSDAY MORNING, SET PLUG AND PERF FRIDAY MORNING.						
24 HR Operational Comments								
From 07:00AM	To 02:30PM	Duration 7.50	Operation Description RIH W/4.50" CARBIDE INSERT MILL,MOTOR, BHA ON C.T, TEST TO 20K, TEST MTR, PRESS TEST TO 4500#. RIH TO 10,507', PUMP 10 BBL SWEEP, PUMPING RATE AT 3 BPM. POOH W/C.T, RD TOOLS AND UNIT. MO C.T UNIT					
Squeeze / Repair / Plugs								
Date 10/26/2012	From	To	Work Done PRODUCTION CASING PRIMARY CEMENT					Date Report 10/27/2012
Directional Information								
Initial Deviation 2,500	Max Dev 91.3deg at 11,373		Max Dogleg 12.8 deg at 6,789					
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	1,596.00	1,355		-1,725.19	
INTERMEDIATE 1	9.63	40	J-55, HCK-55, K-55	4,711.04	1,550		1,389.34	
PRODUCTION 1	5.50	20, 0	P 110	11,529.96			3,805.70	
BULKS								
Product			QTY					
DIESEL, RIG FUEL			0.0					



APACHE CORPORATION

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Daily Land - Orig Comp Report

Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
65506	DRILLING OVERHEAD	4,000	0	0	0	4,000	
70003	BITS, COREHEADS AND REAMERS	30,000	0	0	0	30,000	
70004	CASING CREW	17,000	15,436	0	15,436	1,565	
70006	CEMENT AND CEMENTING SERVICES	110,000	106,927	0	106,927	3,073	
70008	COMMUNICATIONS		450	0	450		
70011	COMPANY SUPERVISION	27,500	500	500	1,000	26,500	BOBBY CLOUD
70017	CONTRACT LABOR	75,000	2,800	5,800	8,600	66,400	FLOWBACK
70019	CONTRACT DRILLING-DAY/TURNKEY	155,000	47,792	0	47,792	107,208	CONTRACT DRILLING-DAY RATE, \$150
70021	CONTRACT SUPERVISION	5,000	5,088	0	5,088	-88	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		7,669	0	7,669		
70026	ELECTRICAL CONTRACT		22,500	0	22,500		
70031	EQUIPMENT RENTAL	300,000	11,287	3,800	15,087	284,913	FRAC VALVE, TANKS,
70034	FORMATION STIMULATION	2,800,000	0	0	0	2,800,000	
70037	FUEL AND POWER		5,592	0	5,592		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70046	LAND AND SITE RECLAMATION	20,000	0	0	0	20,000	
70049	LOGGING AND WIRELINE	450,000	90,280	0	90,280	359,720	
70054	OTHER INTANGIBLE	140,000	0	0	0	140,000	
70065	SITE PREPARATION	9,000	0	0	0	9,000	
70069	SNUBBING/COIL TUBING UNIT	60,000	15,000	42,990	57,990	2,010	C & J COILED TBG.
70074	TRUCKING AND HAULING	200,000	1,036	2,300	3,336	196,664	
70076	TUBULAR INSPECTION/TESTING	7,500	0	0	0	7,500	
70077	WATER	100,000	5,388	3,000	8,388	91,612	2% KCL WATER
Total Intangible Cost		4,510,000	337,745	58,390	396,135	4,113,865	
71001	ARTIFICIAL LIFT	175,000	0	0	0	175,000	
71012	FLOWLINES TO BATTERY	20,000	0	0	0	20,000	
71026	MCC/ SWITCHGEAR		13,100	0	13,100		
71040	PRODUCTION CASING	249,000	0	0	0	249,000	
71046	SEPARATORS	40,000	0	0	0	40,000	
71051	TANK BATTERY	15,000	0	0	0	15,000	
71053	TUBING	36,000	0	0	0	36,000	
71056	WELLHEAD ASSEMBLY	20,000	9,366	0	9,366	10,634	
Total Tangible Cost		555,000	22,466		22,466	532,534	
Total:		5,065,000	360,211	58,390	418,601	4,646,399	



APACHE CORPORATION

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Daily Land - Orig Comp Report

WELL NAME THREE BAR SHALLOW UNIT 103H							DATE 11-29-2012										
Operator APACHE CORPORATION		API 4200344227		GL 3,304.00		TMD 11,542.00		TVD		RKB/RT 3,321.00		Working Int % 100.00		Report No 7			
Region PERMIAN		District ANDREWS - TX NCZ		License		Well Supervisor BOBBY CLOUD				Engineer / Geologist STEPHEN MARCIL							
Field THREE BAR WICHITA ALB		State		County		Event Code LCM		Event Type LAND-ORIG COMP				Objective					
RIG Name UNION 215 /				RIG PHONE NO 281-336-0223		RIG Fax No				Tool Pusher DANNY LAMAN							
AFE #: PA-12-0788-C		AFE Description:															
AFE Costs 5,065,000		Previous Day Cum 418,601		Daily Costs 34,600		Cumulative Cost 453,201		AFE Remaining 4,611,799		AFE % 8.95							
Comment Summary		RU AND RIH TO LOG/CBL/CCL/GR ON WIRELINE THEN TRACTOR, W/O# AND 1000#FINAL. CORRELATE DEPTH TO WEATHERFORD COMPACT SHUTTLE COMPENSATED NEUTRON PHOTO DENSITY LOG DATED 10-24-2012 FROM ETD AT 11,507' TO SURFACE. TOC AT 740'. GOOD TO FAIRLY GOOD CMT															
24 HR Forecast		TRACTOR IN TO SET CIBP AND PERFORATE FIRST SET OF PERFS															
24 HR Operational Comments																	
From 07:00AM		To 03:30PM		Duration 8.50		Operation Description RU AND RIH TO LOG/CBL/CCL/GR ON WIRELINE THEN TRACTOR, W/O# AND 1000#FINAL. CORRELATE DEPTH TO WEATHERFORD COMPACT SHUTTLE COMPENSATED NEUTRON PHOTO DENSITY LOG DATED 10-24-2012 FROM ETD AT 11,507' TO SURFACE. TOC AT 740'. GOOD TO FAIRLY GOOD CMT . POOH W/TOOLS, RD											
Squeeze / Repair / Plugs																	
Date 10/26/2012		From		To		Work Done PRODUCTION CASING PRIMARY CEMENT								Date Report 10/27/2012			
Directional Information																	
Initial Deviation 2,500		Max Dev 91.3deg at 11,373				Max Dogleg 12.8 deg at 6,789											
Casing / Tubing Information																	
Description		Size		Weight		Grade		Depth		Sacks		CMT Top		Packer / SN		TOC Method	
SURFACE		13.38		48		H-40		1,596.00		1,355				-1,725.19			
INTERMEDIATE 1		9.63		40		J-55, HCK-55, K-55		4,711.04		1,550				1,389.34			
PRODUCTION 1		5.50		20, 0		P 110		11,529.96						3,805.70			
BULKS																	
Product								QTY									
DIESEL, RIG FUEL								0.0									
								0.0									



APACHE CORPORATION

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Daily Land - Orig Comp Report

Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
65506	DRILLING OVERHEAD	4,000	0	0	0	4,000	
70003	BITS, COREHEADS AND REAMERS	30,000	0	0	0	30,000	
70004	CASING CREW	17,000	15,436	0	15,436	1,565	
70006	CEMENT AND CEMENTING SERVICES	110,000	106,927	0	106,927	3,073	
70008	COMMUNICATIONS		450	0	450		
70011	COMPANY SUPERVISION	27,500	1,000	500	1,500	26,000	BOBBY CLOUD
70017	CONTRACT LABOR	75,000	8,600	0	8,600	66,400	FLOWBACK
70019	CONTRACT DRILLING-DAY/TURNKEY	155,000	47,792	0	47,792	107,208	CONTRACT DRILLING-DAY RATE, \$150
70021	CONTRACT SUPERVISION	5,000	5,088	0	5,088	-88	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		7,669	0	7,669		
70026	ELECTRICAL CONTRACT		22,500	0	22,500		
70031	EQUIPMENT RENTAL	300,000	15,087	6,800	21,887	278,113	FRAC VALVE, TANKS,
70034	FORMATION STIMULATION	2,800,000	0	0	0	2,800,000	
70037	FUEL AND POWER		5,592	0	5,592		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70046	LAND AND SITE RECLAMATION	20,000	0	0	0	20,000	
70049	LOGGING AND WIRELINE	450,000	90,280	25,000	115,280	334,720	WSI, WELLTECH
70054	OTHER INTANGIBLE	140,000	0	0	0	140,000	
70065	SITE PREPARATION	9,000	0	0	0	9,000	
70069	SNUBBING/COIL TUBING UNIT	60,000	57,990	0	57,990	2,010	C & J COILED TBG.
70074	TRUCKING AND HAULING	200,000	3,336	1,650	4,986	195,014	
70076	TUBULAR INSPECTION/TESTING	7,500	0	0	0	7,500	
70077	WATER	100,000	8,388	650	9,038	90,962	2% KCL WATER
Total Intangible Cost		4,510,000	396,135	34,600	430,735	4,079,265	
71001	ARTIFICIAL LIFT	175,000	0	0	0	175,000	
71012	FLOWLINES TO BATTERY	20,000	0	0	0	20,000	
71026	MCC/ SWITCHGEAR		13,100	0	13,100		
71040	PRODUCTION CASING	249,000	0	0	0	249,000	
71046	SEPARATORS	40,000	0	0	0	40,000	
71051	TANK BATTERY	15,000	0	0	0	15,000	
71053	TUBING	36,000	0	0	0	36,000	
71056	WELLHEAD ASSEMBLY	20,000	9,366	0	9,366	10,634	
Total Tangible Cost		555,000	22,466		22,466	532,534	
Total:		5,065,000	418,601	34,600	453,201	4,611,799	



APACHE CORPORATION

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Daily Land - Orig Comp Report

WELL NAME THREE BAR SHALLOW UNIT 103H							DATE 12-03-2012	
Operator APACHE CORPORATION		API 4200344227	GL 3,304.00	TMD 11,542.00	TVD	RKB/RT 3,321.00	Working Int % 100.00	Report No 9
Region PERMIAN		District ANDREWS - TX NCZ	License		Well Supervisor BOBBY CLOUD		Engineer / Geologist STEPHEN MARCIL	
Field THREE BAR WICHITA ALBANY		State		County	Event Code LCM	Event Type LAND-ORIG COMP		Objective
RIG Name UNION 215 /				RIG PHONE NO 281-336-0223	RIG Fax No		Tool Pusher DANNY LAMAN	
AFE #: PA-12-0788-C		AFE Description:						
AFE Costs 5,065,000		Previous Day Cum 515,216		Daily Costs 20,600	Cumulative Cost 535,816	AFE Remaining 4,529,184		AFE % 10.58
Comment Summary 24 HR Forecast		RU O-TEX AND TEST LINES TO 9000#, LOAD AND BREAKDOWN PERFS W/2% KCL W/BIOCIDE AT 7520#, RATE STABLE AT 4 BPM 7625#, INC RATE TO 5 BPM AT 7650# AND STEADY FOR 100 BBLs. ISDP 5800#, 5 MIN 3500#, 10 MIN 2600#, 15 MIN 2412# READY FOR FRAC ON DEC. 10						
24 HR Operational Comments								
From 07:00AM	To 10:30AM	Duration 3.50	Operation Description RU O-TEX AND TEST LINES TO 9000#, LOAD AND BREAKDOWN PERFS W/2% KCL W/BIOCIDE AT 7520#, RATE STABLE AT 4 BPM 7625#, INC RATE TO 5 BPM AT 7650# AND STEADY FOR 100 BBLs. ISDP 5800#, 5 MIN 3500#, 10 MIN 2600#, 15 MIN 2412#. RD TRUCK					
Actual Perforations								
Date	Zone	From	To	JSPF Phasing	Comments		Report Date	
11/30/2012	WICHITA ALBANY	11,276	11,278.00	6 60.00			11/30/2012	
11/30/2012	WICHITA ALBANY	11,326	11,328.00	6 60.00			11/30/2012	
11/30/2012	WICHITA ALBANY	11,391	11,394.00	6 60.00			11/30/2012	
Squeeze / Repair / Plugs								
Date 10/26/2012	From	To	Work Done PRODUCTION CASING PRIMARY CEMENT				Date Report 10/27/2012	
Directional Information								
Initial Deviation 2,500	Max Dev 91.3deg at 11,373		Max Dogleg 12.8 deg at 6,789					
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	1,596.00	1,355		-1,725.19	
INTERMEDIATE 1	9.63	40	J-55, HCK-55, K-55	4,711.04	1,550		1,389.34	
PRODUCTION 1	5.50	20, 0	P 110	11,529.96			3,805.70	
BULKS								
Product				QTY				
DIESEL, RIG FUEL				0.0				
				0.0				



APACHE CORPORATION

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Daily Land - Orig Comp Report

Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
65506	DRILLING OVERHEAD	4,000	0	0	0	4,000	
70003	BITS, COREHEADS AND REAMERS	30,000	0	0	0	30,000	
70004	CASING CREW	17,000	15,436	0	15,436	1,565	
70006	CEMENT AND CEMENTING SERVICES	110,000	106,927	0	106,927	3,073	
70008	COMMUNICATIONS		450	0	450		
70011	COMPANY SUPERVISION	27,500	2,000	500	2,500	25,000	BOBBY CLOUD
70017	CONTRACT LABOR	75,000	8,600	0	8,600	66,400	FLOWBACK
70019	CONTRACT DRILLING-DAY/TURNKEY	155,000	47,792	0	47,792	107,208	CONTRACT DRILLING-DAY RATE, \$150
70021	CONTRACT SUPERVISION	5,000	5,088	0	5,088	-88	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		7,669	0	7,669		
70026	ELECTRICAL CONTRACT		22,500	0	22,500		
70031	EQUIPMENT RENTAL	300,000	31,687	9,800	41,487	258,513	FRAC VALVE, TANKS, LIGHT PLANTS
70034	FORMATION STIMULATION	2,800,000	0	0	0	2,800,000	
70037	FUEL AND POWER		5,592	0	5,592		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70046	LAND AND SITE RECLAMATION	20,000	0	0	0	20,000	
70049	LOGGING AND WIRELINE	450,000	162,445	0	162,445	287,555	WSI, WELLTECH
70054	OTHER INTANGIBLE	140,000	2,250	0	2,250	137,750	
70065	SITE PREPARATION	9,000	0	0	0	9,000	
70069	SNUBBING/COIL TUBING UNIT	60,000	57,990	0	57,990	2,010	C & J COILED TBG.
70074	TRUCKING AND HAULING	200,000	6,636	9,650	16,286	183,714	O-TEX BREAKDOWN
70076	TUBULAR INSPECTION/TESTING	7,500	0	0	0	7,500	
70077	WATER	100,000	9,688	650	10,338	89,662	2% KCL WATER
Total Intangible Cost		4,510,000	492,750	20,600	513,350	3,996,650	
71001	ARTIFICIAL LIFT	175,000	0	0	0	175,000	
71012	FLOWLINES TO BATTERY	20,000	0	0	0	20,000	
71026	MCC/ SWITCHGEAR		13,100	0	13,100		
71040	PRODUCTION CASING	249,000	0	0	0	249,000	
71046	SEPARATORS	40,000	0	0	0	40,000	
71051	TANK BATTERY	15,000	0	0	0	15,000	
71053	TUBING	36,000	0	0	0	36,000	
71056	WELLHEAD ASSEMBLY	20,000	9,366	0	9,366	10,634	
Total Tangible Cost		555,000	22,466		22,466	532,534	
Total:		5,065,000	515,216	20,600	535,816	4,529,184	



APACHE CORPORATION

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Daily Land - Orig Comp Report

WELL NAME THREE BAR SHALLOW UNIT 103H							DATE 12-12-2012	
Operator APACHE CORPORATION		API 4200344227	GL 3,304.00	TMD 11,542.00	TVD	RKB/RT 3,321.00	Working Int % 100.00	Report No 11
Region PERMIAN		District ANDREWS - TX NCZ	License	Well Supervisor BOBBY CLOUD		Engineer / Geologist STEPHEN MARCIL		
Field THREE BAR WICHITA ALBANY		State	County	Event Code LCM	Event Type LAND-ORIG COMP		Objective	
RIG Name UNION 215 /			RIG PHONE NO 281-336-0223		RIG Fax No		Tool Pusher DANNY LAMAN	
AFE #: PA-12-0788-C		AFE Description:						
AFE Costs 5,065,000		Previous Day Cum 568,386		Daily Costs		Cumulative Cost		AFE Remaining AFE %
Comment Summary 24 HR Forecast		MIRU WIRELINE AND CRANE, RU C&J FRAC CREW, RU STINGER, LAY AND CONNECT SWIRE WATER TRANSFER START FRAC ON WICHITA ALBANY FORMATION						
24 HR Operational Comments								
From	To	Duration	Operation Description					
12:00AM	08:00AM	8.00	WODL					
08:00AM	12:00PM	4.00	RU WSI WIRELINE AND CRANE					
12:00PM	04:00PM	4.00	STAND BY WAITING ON FRAC CREW TO ARRIVE					
04:00PM	12:00AM	8.00	RU C&J FRAC CREW AND SWIRE WATER TRANSFER					
Actual Perforations								
Date	Zone	From	To	JSPF Phasing	Comments		Report Date	
11/30/2012	WICHITA ALBANY	11,276	11,278.00	6 60.00			11/30/2012	
11/30/2012	WICHITA ALBANY	11,326	11,328.00	6 60.00			11/30/2012	
11/30/2012	WICHITA ALBANY	11,391	11,394.00	6 60.00			11/30/2012	
Squeeze / Repair / Plugs								
Date	From	To	Work Done				Date Report	
10/26/2012			PRODUCTION CASING PRIMARY CEMENT				10/27/2012	
Directional Information								
Initial Deviation 2,500	Max Dev 91.3deg at 11,373		Max Dogleg 12.8 deg at 6,789					
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	1,596.00	1,355		-1,725.19	
INTERMEDIATE 1	9.63	40	J-55, HCK-55, K-55	4,711.04	1,550		1,389.34	
PRODUCTION 1	5.50	20, 0	P 110	11,529.96			3,805.70	
BULKS								
Product			QTY					
DIESEL, RIG FUEL			0.0					
			0.0					



APACHE CORPORATION

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Daily Land - Orig Comp Report

Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
65506	DRILLING OVERHEAD	4,000	0	0	0	4,000	
70003	BITS, COREHEADS AND REAMERS	30,000	0	0	0	30,000	
70004	CASING CREW	17,000	15,436	0	15,436	1,565	
70006	CEMENT AND CEMENTING SERVICES	110,000	106,927	0	106,927	3,073	
70008	COMMUNICATIONS		450	0	450		
70011	COMPANY SUPERVISION	27,500	2,500	0	2,500	25,000	
70017	CONTRACT LABOR	75,000	10,000	0	10,000	65,000	
70019	CONTRACT DRILLING-DAY/TURNKEY	155,000	47,792	0	47,792	107,208	
70021	CONTRACT SUPERVISION	5,000	5,088	0	5,088	-88	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		7,669	0	7,669		
70026	ELECTRICAL CONTRACT		22,500	0	22,500		
70031	EQUIPMENT RENTAL	300,000	71,207	0	71,207	228,793	
70034	FORMATION STIMULATION	2,800,000	0	0	0	2,800,000	
70037	FUEL AND POWER		5,592	0	5,592		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70046	LAND AND SITE RECLAMATION	20,000	0	0	0	20,000	
70049	LOGGING AND WIRELINE	450,000	162,445	0	162,445	287,555	
70054	OTHER INTANGIBLE	140,000	2,250	0	2,250	137,750	
70065	SITE PREPARATION	9,000	0	0	0	9,000	
70069	SNUBBING/COIL TUBING UNIT	60,000	57,990	0	57,990	2,010	
70074	TRUCKING AND HAULING	200,000	17,736	0	17,736	182,264	
70076	TUBULAR INSPECTION/TESTING	7,500	0	0	0	7,500	
70077	WATER	100,000	10,338	0	10,338	89,662	
Total Intangible Cost		4,510,000	545,920		545,920	3,964,080	
71001	ARTIFICIAL LIFT	175,000	0	0	0	175,000	
71012	FLOWLINES TO BATTERY	20,000	0	0	0	20,000	
71026	MCC/ SWITCHGEAR		13,100	0	13,100		
71040	PRODUCTION CASING	249,000	0	0	0	249,000	
71046	SEPARATORS	40,000	0	0	0	40,000	
71051	TANK BATTERY	15,000	0	0	0	15,000	
71053	TUBING	36,000	0	0	0	36,000	
71056	WELLHEAD ASSEMBLY	20,000	9,366	0	9,366	10,634	
Total Tangible Cost		555,000	22,466		22,466	532,534	
Total:		5,065,000	568,386		568,386		



APACHE CORPORATION

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Daily Land - Orig Comp Report

WELL NAME THREE BAR SHALLOW UNIT 103H							DATE 12-13-2012		
Operator APACHE CORPORATION		API 4200344227	GL 3,304.00	TMD 11,542.00	TVD 7,126.75	RKB/RT 3,321.00	Working Int % 100.00	Report No 12	
Region PERMIAN		District ANDREWS - TX NCZ		License		Well Supervisor BOBBY CLOUD		Engineer / Geologist STEPHEN MARCIL	
Field THREE BAR WICHITA ALB		State		County		Event Code LCM		Event Type LAND-ORIG COMP	Objective
RIG Name UNION 215 /				RIG PHONE NO 281-336-0223		RIG Fax No		Tool Pusher DANNY LAMAN	
AFE #: PA-12-0788-C		AFE Description:							
AFE Costs 5,065,000		Previous Day Cum 568,386		Daily Costs		Cumulative Cost		AFE Remaining	AFE %
Comment Summary 24 HR Forecast		STAGE FRAC THROUGH STAGE 3 STAGE FRAC							
24 HR Operational Comments									
From	To	Duration	Operation Description						
12:00AM	08:30AM	8.50	Finish RU C&J Frac crew, fill frac tnks,						
08:30AM	09:30AM	1.00	Held TGSM, L&T lines to 11,230 PSI						
09:30AM	12:00PM	2.50	Stage-1 - RU C & J to Frac Wolfcamp Shale Formation. Ran 16342.2 gal 15% HCL, 17320 # 100 Mesh sand, 87240 # 40/70 White Sand, 20000 # 30/50 Garnet Sand, TOTAL PROP = 124560 #, AVG PRESS = 8662 psi, MAX PRESS = 9548 psi, AVG RATE = 87.3 bpm, MAX RATE = 91.1 bpm, W/ LTR = 348306 gal.						
12:00PM	02:10PM	2.17	Plug and Perf stage 2, RU WSI wireline, Pump Down Thunderbird 5 1/2" Prodrill 10-K composite flow through plug and 3 1/8" guns loaded W/21.5 gram conex charges, w/262 bbl fresh wtr w/biocide at 13 bpm max 6550 psi, set CBP at 11,214', perf 11,177'-80', 11,128'-30', 11,038'-40' at 6 jspf w/0.42" EH and 42 total holes, Pooh all shots fired, drop 2" dia ball,						
02:10PM	05:05PM	2.92	Stage-2 - Frac Wolfcamp Shale Formation. No Ball Action / Ball @ 0 bbls / @ 14.4 bpm / Break @ 8378 psi, Ran 15103.2 gal 15% HCL, 18000 # 100 Mesh sand, 87800 # 40/70 White Sand, 19760 # 30/50 Garnet Sand, TOTAL PROP = 125560 #, AVG PRESS = 8147 psi, MAX PRESS = 8730 psi, AVG RATE = 89.9 bpm, MAX RATE = 91.2 bpm, W/ LTR = 363846 gal.						
05:45PM	06:45PM	1.00	Plug and Perf stage 3 RU WSI wireline, Pump Down Thunderbird 5 1/2" Prodrill 10-K composite flow through plug and 3 1/8" guns loaded W/21.5 gram conex charges, w/262 bbl fresh wtr w/biocide at 13 bpm max 5767 psi, set CBP at 11,000', perf 10,953'-56', 10,871'-73', 10,795'-97' at 6 jspf w/0.42" EH and 42 total holes, Pooh all shots fired, drop 2" dia ball,						
07:01PM	09:01PM	2.00	Stage-3 - Frac Wolfcamp Shale Formation. Ball @ 223 bbls / @ 15.3 bpm / Break @ 9255 psi, Ran 15527.4 gal 15% HCL, 18000 # 100 Mesh sand, 87820 # 40/70 White Sand, 20000 # 30/50 Garnet Sand, TOTAL PROP = 125820 #, AVG PRESS = 8445 psi, MAX PRESS = 9255 psi, AVG RATE = 87.4 bpm, MAX RATE = 95.1 bpm, W/ LTR = 336210 gal.						
09:55PM	11:07PM	1.20	Plug and Perf stage 4 RU WSI wireline, Pump Down Thunderbird 5 1/2" Prodrill 10-K composite flow through plug and 3 1/8" guns loaded W/21.5 gram conex charges, w/223 bbl fresh wtr w/biocide at 13 bpm max 5758 psi, set CBP at 10,734', perf 10,676'-79', 10,622'-24', 10,558'-60' at 6 jspf w/0.42" EH and 42 total holes, Pooh all shots fired, drop 2" dia ball,						
Actual Perforations									
Date	Zone	From	To	JSPF Phasing	Comments	Report Date			
12/13/2012						12/13/2012			
12/13/2012						12/13/2012			
12/13/2012						12/13/2012			
12/13/2012	WICHITA ALBANY	10,558	10,560.00	6 60.00		12/13/2012			
12/13/2012	WICHITA ALBANY	10,622	10,624.00	6 60.00		12/13/2012			
12/13/2012	WICHITA ALBANY	10,676	10,679.00	6 60.00		12/13/2012			
12/13/2012	WICHITA ALBANY	10,795	10,797.00	6 60.00		12/13/2012			
12/13/2012	WICHITA ALBANY	10,871	10,878.00	6 60.00		12/13/2012			
12/13/2012	WICHITA ALBANY	10,953	10,956.00	6 60.00		12/13/2012			
11/30/2012	WICHITA ALBANY	11,038	11,040.00	6 60.00		11/30/2012			
11/30/2012	WICHITA ALBANY	11,038	11,040.00	6 60.00		11/30/2012			
11/30/2012	WICHITA ALBANY	11,038	11,040.00	6 60.00		11/30/2012			
11/30/2012	WICHITA ALBANY	11,128	11,130.00	6 60.00		11/30/2012			
11/30/2012	WICHITA ALBANY	11,128	11,130.00	6 60.00		11/30/2012			
11/30/2012	WICHITA ALBANY	11,128	11,130.00	6 60.00		11/30/2012			
11/30/2012	WICHITA ALBANY	11,177	11,180.00	6 60.00		11/30/2012			
11/30/2012	WICHITA ALBANY	11,177	11,180.00	6 60.00		11/30/2012			
11/30/2012	WICHITA ALBANY	11,177	11,180.00	6 60.00		11/30/2012			
11/30/2012	WICHITA ALBANY	11,276	11,278.00	6 60.00		11/30/2012			
11/30/2012	WICHITA ALBANY	11,326	11,328.00	6 60.00		11/30/2012			
11/30/2012	WICHITA ALBANY	11,391	11,394.00	6 60.00		11/30/2012			
Squeeze / Repair / Plugs									
Date	From	To	Work Done				Date Report		
10/26/2012			PRODUCTION CASING PRIMARY CEMENT				10/27/2012		
Directional Information									
Initial Deviation	Max Dev		Max Dogleg						
2,500	91.3deg at 11,373		12.8 deg at 6,789						



Daily Land - Orig Comp Report

Casing / Tubing Information

Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	1,596.00	1,355		-1,725.19	
INTERMEDIATE 1	9.63	40	J-55, HCK-55, K-55	4,711.04	1,550		1,389.34	
PRODUCTION 1	5.50	20, 0	P 110	11,529.96			3,805.70	

BULKS

Product	QTY
DIESEL, RIG FUEL	0.0
	0.0



APACHE CORPORATION

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Daily Land - Orig Comp Report

Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
65506	DRILLING OVERHEAD	4,000	0	0	0	4,000	
70003	BITS, COREHEADS AND REAMERS	30,000	0	0	0	30,000	
70004	CASING CREW	17,000	15,436	0	15,436	1,565	
70006	CEMENT AND CEMENTING SERVICES	110,000	106,927	0	106,927	3,073	
70008	COMMUNICATIONS		450	0	450		
70011	COMPANY SUPERVISION	27,500	2,500	0	2,500	25,000	
70017	CONTRACT LABOR	75,000	10,000	0	10,000	65,000	
70019	CONTRACT DRILLING-DAY/TURNKEY	155,000	47,792	0	47,792	107,208	
70021	CONTRACT SUPERVISION	5,000	5,088	0	5,088	-88	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		7,669	0	7,669		
70026	ELECTRICAL CONTRACT		22,500	0	22,500		
70031	EQUIPMENT RENTAL	300,000	71,207	0	71,207	228,793	
70034	FORMATION STIMULATION	2,800,000	0	0	0	2,800,000	
70037	FUEL AND POWER		5,592	0	5,592		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70046	LAND AND SITE RECLAMATION	20,000	0	0	0	20,000	
70049	LOGGING AND WIRELINE	450,000	162,445	0	162,445	287,555	
70054	OTHER INTANGIBLE	140,000	2,250	0	2,250	137,750	
70065	SITE PREPARATION	9,000	0	0	0	9,000	
70069	SNUBBING/COIL TUBING UNIT	60,000	57,990	0	57,990	2,010	
70074	TRUCKING AND HAULING	200,000	17,736	0	17,736	182,264	
70076	TUBULAR INSPECTION/TESTING	7,500	0	0	0	7,500	
70077	WATER	100,000	10,338	0	10,338	89,662	
Total Intangible Cost		4,510,000	545,920		545,920	3,964,080	
71001	ARTIFICIAL LIFT	175,000	0	0	0	175,000	
71012	FLOWLINES TO BATTERY	20,000	0	0	0	20,000	
71026	MCC/ SWITCHGEAR		13,100	0	13,100		
71040	PRODUCTION CASING	249,000	0	0	0	249,000	
71046	SEPARATORS	40,000	0	0	0	40,000	
71051	TANK BATTERY	15,000	0	0	0	15,000	
71053	TUBING	36,000	0	0	0	36,000	
71056	WELLHEAD ASSEMBLY	20,000	9,366	0	9,366	10,634	
Total Tangible Cost		555,000	22,466		22,466	532,534	
Total:		5,065,000	568,386		568,386		



APACHE CORPORATION

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Daily Land - Orig Comp Report

WELL NAME THREE BAR SHALLOW UNIT 103H							DATE 12-14-2012	
Operator APACHE CORPORATION		API 4200344227	GL 3,304.00	TMD 11,542.00	TVD 7,126.75	RKB/RT 3,321.00	Working Int % 100.00	Report No 13
Region PERMIAN		District ANDREWS - TX NCZ	License		Well Supervisor BOBBY CLOUD		Engineer / Geologist STEPHEN MARCIL	
Field THREE BAR WICHITA ALB		State	County	Event Code LCM	Event Type LAND-ORIG COMP		Objective	
RIG Name UNION 215 /			RIG PHONE NO 281-336-0223		RIG Fax No		Tool Pusher DANNY LAMAN	
AFE #: PA-12-0788-C		AFE Description:						
AFE Costs 5,065,000		Previous Day Cum 562,666		Daily Costs		Cumulative Cost		AFE Remaining AFE %
Comment Summary 24 HR Forecast		STAGE FRAC THROUGH STAGE 8 STAGE FRAC						
24 HR Operational Comments								
From	To	Duration	Operation Description					
12:08AM	02:10AM	2.03	Stage-4 - Frac Wolfcamp Shale Formation. Ball @ 220 bbls / @ 14.7 bpm / Break @ 9345 psi, Ran 13469.4 gal 15% HCL, 17580 # 100 Mesh sand, 87720 # 40/70 White Sand, 20000 # 30/50 Garnet Sand, TOTAL PROP = 125300 #, AVG PRESS = 7080 psi, MAX PRESS = 9415 psi, AVG RATE = 87.2 bpm, MAX RATE = 92.3 bpm, W/ LTR = 346122 gal.					
02:29AM	04:15AM	1.77	Plug and Perf stage 5 RU WSI wireline, Pump Down Thunderbird 5 1/2" Prodrill 10-K composite flow through plug and 3 1/8" guns loaded W/21.5 gram conex charges, w/187 bbl fresh wtr w/biocide at 13 bpm max 4167 psi, set CBP at 10,471', perf 10,452'-55', 10,409'-11', 10,354-56' at 6 jspf w/0.42" EH and 42 total holes, Pooh all shots fired, drop 2" dia ball,					
04:15AM	06:30AM	2.25	Stage-5 - Frac Wolfcamp Shale Formation. Ball @ 212 bbls / @ 15.5 bpm / Break @ 4901 psi, Ran 14653.8 gal 15% HCL, 17000 # 100 Mesh sand, 87940 # 40/70 White Sand, 20040 # 30/50 Garnet Sand, TOTAL PROP = 124980 #, AVG PRESS = 7038 psi, MAX PRESS = 9073 psi, AVG RATE = 86.8 bpm, MAX RATE = 92.2 bpm, W/ LTR = 334320 gal.					
06:30AM	08:02AM	1.53	Plug and Perf stage 6, RU WSI wireline, Pump Down Thunderbird 5 1/2" Prodrill 10-K composite flow through plug and 3 1/8" guns loaded W/21.5 gram conex charges, w/176 bbl fresh wtr w/biocide at 13 bpm max 4302 psi, set CBP at 10,340', perf 10,283'-86', 10,200'-02', 10,113'-15' at 6 jspf w/0.42" EH and 42 total holes, Pooh all shots fired, drop 2" dia ball,					
08:02AM	10:18AM	2.27	Stage-6 - Frac Wolfcamp Shale Formation. Ball @ 207 bbls / @ 15.3bpm / Break @ 6653 psi Ran 14397.6 gal 15% HCL, 18000 # 100 Mesh sand, 87300 # 40/70 White Sand, 20000 # 30/50 Garnet Sand, TOTAL PROP = 125300 #, AVG PRESS = 7187 psi, MAX PRESS = 9191 psi, AVG RATE = 88.3 bpm, MAX RATE = 91.2 bpm, W/ LTR = 349482 gal.					
10:18AM	11:40AM	1.37	Plug and Perf stage 7, RU WSI wireline, Pump Down Thunderbird 5 1/2" Prodrill 10-K composite flow through plug and 3 1/8" guns loaded W/21.5 gram conex charges, pump w/160 bbl fresh wtr w/biocide at 13 bpm, max 4178 psi, set CBP at 10,060', perf 10010'-13', 9923'-25', 9845'-47' at 6 jspf w/0.42" EH and 42 total holes, Pooh all shots fired, drop 2" dia ball,					
11:40AM	02:00PM	2.33	Stage-7 - Frac Wolfcamp Shale Formation. Ball @ 211 bbls / @ 11.4 bpm / Break @ 9054 psi Ran 14742 gal 15% HCL, 17920 # 100 Mesh sand, 98000 # 40/70 White Sand, 20000 # 30/50 Garnet Sand, TOTAL PROP = 135920 #, AVG PRESS = 7909 psi, MAX PRESS = 9055 psi, AVG RATE = 85.4 bpm, MAX RATE = 89.5 bpm, W/ LTR = 344568 gal.					
05:48PM	07:00PM	1.20	Plug and Perf stage 8, RU WSI wireline, Pump Down Thunderbird 5 1/2" Prodrill 10-K composite flow through plug and 3 1/8" guns loaded W/21.5 gram conex charges, pump w/124 bbl fresh wtr w/biocide at 12 bpm, max 4365 psi, set CBP at 9820', perf 9766'-70', 9680'-83" at 6 jspf w/0.42" EH and 42 total holes, Pooh all shots fired, drop 2" dia ball,					
07:56PM	09:35PM	1.65	Stage-8 - Frac Wolfcamp Shale Formation. Ball @ 198 bbls / @ 14.9bpm / Break @ 10,121 psi Ran 14922.6 gal 15% HCL, 18000 # 100 Mesh sand, 87700 # 40/70 White Sand, 20220 # 30/50 Garnet Sand, TOTAL PROP = 125920 #, AVG PRESS = 8046 psi, MAX PRESS = 10121 psi, AVG RATE = 87.5 bpm, MAX RATE = 92.5 bpm, W/ LTR = 315924 gal.					
09:40PM	11:20PM	1.67	Plug and Perf stage 9, RU WSI wireline, Pump Down Thunderbird 5 1/2" Prodrill 10-K composite flow through plug and 3 1/8" guns loaded W/21.5 gram conex charges, pump w/141 bbl fresh wtr w/biocide at 12 bpm, max 4545 psi, set CBP at 9440', perf 9390'-93', 9320'-22", 9243" - 45" at 6 jspf w/0.42" EH and 42 total holes, Pooh all shots fired, drop 2" dia ball,					
Actual Perforations								
Date	Zone	From	To	JSPF Phasing	Comments	Report Date		
12/13/2012						12/13/2012		
12/13/2012						12/13/2012		
12/13/2012						12/13/2012		
12/14/2012						12/14/2012		
12/14/2012	WICHITA ALBANY	9,243	9,245.00	6	60.00	12/14/2012		
12/14/2012	WICHITA ALBANY	9,320	9,322.00	6	60.00	12/14/2012		
12/14/2012	WICHITA ALBANY	9,390	9,393.00	6	60.00	12/14/2012		
12/14/2012	WICHITA ALBANY	9,680	9,683.00	6	60.00	12/14/2012		
12/14/2012	WICHITA ALBANY	9,766	9,770.00	6	60.00	12/14/2012		
12/14/2012	WICHITA ALBANY	9,845	9,847.00	6	60.00	12/14/2012		
12/14/2012	WICHITA ALBANY	9,923	9,925.00	6	60.00	12/14/2012		
12/14/2012	WICHITA ALBANY	10,010	10,013.00	6	60.00	12/14/2012		
12/14/2012	WICHITA ALBANY	10,113	10,115.00	6	60.00	12/14/2012		
12/14/2012	WICHITA ALBANY	10,200	10,202.00	6	60.00	12/14/2012		
12/14/2012	WICHITA ALBANY	10,283	10,286.00	6	60.00	12/14/2012		
12/14/2012	WICHITA ALBANY	10,354	10,356.00	6	60.00	12/14/2012		
12/14/2012	WICHITA ALBANY	10,409	10,411.00	6	60.00	12/14/2012		
12/14/2012	WICHITA ALBANY	10,452	10,455.00	6	60.00	12/14/2012		
12/13/2012	WICHITA ALBANY	10,558	10,560.00	6	60.00	12/13/2012		
12/13/2012	WICHITA ALBANY	10,622	10,624.00	6	60.00	12/13/2012		



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12/13/2012	WICHITA ALBANY	10,676	10,679.00	6 60.00	12/13/2012
12/13/2012	WICHITA ALBANY	10,795	10,797.00	6 60.00	12/13/2012
12/13/2012	WICHITA ALBANY	10,871	10,878.00	6 60.00	12/13/2012
12/13/2012	WICHITA ALBANY	10,953	10,956.00	6 60.00	12/13/2012
11/30/2012	WICHITA ALBANY	11,038	11,040.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,038	11,040.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,038	11,040.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,128	11,130.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,128	11,130.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,128	11,130.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,177	11,180.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,177	11,180.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,177	11,180.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,276	11,278.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,326	11,328.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,391	11,394.00	6 60.00	11/30/2012

Squeeze / Repair / Plugs

Date	From	To	Work Done	Date Report
10/26/2012			PRODUCTION CASING PRIMARY CEMENT	10/27/2012

Directional Information

Initial Deviation	Max Dev	Max Dogleg
2,500	91.3deg at 11,373	12.8 deg at 6,789

Casing / Tubing Information

Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	1,596.00	1,355		-1,725.19	
INTERMEDIATE 1	9.63	40	J-55, HCK-55, K-55	4,711.04	1,550		1,389.34	
PRODUCTION 1	5.50	20, 0	P 110	11,529.96			3,805.70	

BULKS

Product	QTY
DIESEL, RIG FUEL	0.0
	0.0



APACHE CORPORATION

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Daily Land - Orig Comp Report

Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
65506	DRILLING OVERHEAD	4,000	0	0	0	4,000	
70003	BITS, COREHEADS AND REAMERS	30,000	0	0	0	30,000	
70004	CASING CREW	17,000	15,436	0	15,436	1,565	
70006	CEMENT AND CEMENTING SERVICES	110,000	106,927	0	106,927	3,073	
70008	COMMUNICATIONS		450	0	450		
70011	COMPANY SUPERVISION	27,500	2,500	0	2,500	25,000	
70017	CONTRACT LABOR	75,000	10,000	0	10,000	65,000	
70019	CONTRACT DRILLING-DAY/TURNKEY	155,000	47,792	0	47,792	107,208	
70021	CONTRACT SUPERVISION	5,000	5,088	0	5,088	-88	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		7,669	0	7,669		
70026	ELECTRICAL CONTRACT		22,500	0	22,500		
70031	EQUIPMENT RENTAL	300,000	65,487	0	65,487	234,513	
70034	FORMATION STIMULATION	2,800,000	0	0	0	2,800,000	
70037	FUEL AND POWER		5,592	0	5,592		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70046	LAND AND SITE RECLAMATION	20,000	0	0	0	20,000	
70049	LOGGING AND WIRELINE	450,000	162,445	0	162,445	287,555	
70054	OTHER INTANGIBLE	140,000	2,250	0	2,250	137,750	
70065	SITE PREPARATION	9,000	0	0	0	9,000	
70069	SNUBBING/COIL TUBING UNIT	60,000	57,990	0	57,990	2,010	
70074	TRUCKING AND HAULING	200,000	17,736	0	17,736	182,264	
70076	TUBULAR INSPECTION/TESTING	7,500	0	0	0	7,500	
70077	WATER	100,000	10,338	0	10,338	89,662	
Total Intangible Cost		4,510,000	540,200		540,200	3,969,800	
71001	ARTIFICIAL LIFT	175,000	0	0	0	175,000	
71012	FLOWLINES TO BATTERY	20,000	0	0	0	20,000	
71026	MCC/ SWITCHGEAR		13,100	0	13,100		
71040	PRODUCTION CASING	249,000	0	0	0	249,000	
71046	SEPARATORS	40,000	0	0	0	40,000	
71051	TANK BATTERY	15,000	0	0	0	15,000	
71053	TUBING	36,000	0	0	0	36,000	
71056	WELLHEAD ASSEMBLY	20,000	9,366	0	9,366	10,634	
Total Tangible Cost		555,000	22,466		22,466	532,534	
Total:		5,065,000	562,666		562,666		



APACHE CORPORATION

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Daily Land - Orig Comp Report

WELL NAME THREE BAR SHALLOW UNIT 103H							DATE 12-15-2012	
Operator APACHE CORPORATION		API 4200344227	GL 3,304.00	TMD 11,542.00	TVD 7,126.75	RKB/RT 3,321.00	Working Int % 100.00	Report No 14
Region PERMIAN		District ANDREWS - TX NCZ	License		Well Supervisor BOBBY CLOUD / MONTE MITCHELL		Engineer / Geologist STEPHEN MARCIL	
Field THREE BAR WICHITA ALB		State	County	Event Code LCM	Event Type LAND-ORIG COMP		Objective	
RIG Name UNION 215 /			RIG PHONE NO 281-336-0223		RIG Fax No		Tool Pusher DANNY LAMAN	
AFE #: PA-12-0788-C		AFE Description:						
AFE Costs 5,065,000		Previous Day Cum 562,666		Daily Costs	Cumulative Cost	AFE Remaining		AFE %
Comment Summary 24 HR Forecast		STAGE FRAC FINISH UP FRAC & RIG EGUIP DOWN						
24 HR Operational Comments								
From	To	Duration	Operation Description					
12:00AM	01:28AM	1.47	Stage-9 - Frac Wolfcamp Shale Formation. Ball @ 186 bbls / @ 10.2 bpm / Break @ 9745 psi Ran 17560.2 gal 15% HCL, 500 # 100 Mesh sand, 0 # 40/70 White Sand, 0 # 30/50 Garnet Sand, TOTAL PROP = 500 #, AVG PRESS = 9047 psi, MAX PRESS = 8745 psi, AVG RATE = 74 bpm, MAX RATE = 85.3 bpm, W/ LTR = 157038 gal.					
01:30AM	02:55AM	1.42	Plug and Perf stage 10 RU WSI wireline, Pump Down Thunderbird 5 1/2"Prodrill 10-K composite flow through plug and 3 1/8" guns loaded W/21.5 gram conex charges, w/131 bbl fresh wtr w/biocide at 13 bpm max 3753 psi, set CBP at 9208', perf 9160'-63', 9088'-90', 9009'-11' at 6 jspw w/0.42" EH and 42 total holes, Pooh all shots fired, drop 2" dia ball,					
03:05AM	05:07AM	2.03	Stage-10 - Frac Wolfcamp Shale Formation. Ball @ 185 bbls / @9.7 bpm / Break @ 4725psi Ran 14985.6 gal 15% HCL, 18000 # 100 Mesh sand, 87600 # 40/70 White Sand, 20020 # 30/50 Garnet Sand, TOTAL PROP = 125620 #, AVG PRESS = 7411 psi, MAX PRESS = 8615 psi, AVG RATE = 87.2 bpm, MAX RATE = 91.2 bpm, W/ LTR = 356664 gal.					
05:30AM	06:35AM	1.08	Plug and Perf stage 11 RU WSI wireline, Pump Down Thunderbird 5 1/2"Prodrill 10-K composite flow through plug and 3 1/8" guns loaded W/21.5 gram conex charges, w/106 bbl fresh wtr w/biocide at 13 bpm max 5050 psi, set CBP at 8740', perf 8698'-71',8618'-20', 8558'-60' at 6 jspw w/0.42" EH and 42 total holes, at 60 deg phasing, Pooh all shots fired, drop 2" dia ball,					
06:35AM	08:42AM	2.12	Stage-11 - Frac Wolfcamp Shale Formation. Ball @ 152 bbls / @ 14.7 bpm / Break @ 8570 psi Ran 10004.4 gal 15% HCL, 20000 # 100 Mesh sand, 95000 # 40/70 White Sand, 23000 # 30/50 Garnet Sand, TOTAL PROP = 138000 #, AVG PRESS = 8405 psi, MAX PRESS = 9402 psi, AVG RATE = 87.8 bpm, MAX RATE = 91.5 bpm, W/ LTR = 353724 gal.					
08:42AM	10:05AM	1.38	Plug and Perf stage 12 RU WSI wireline, Pump Down Thunderbird 5 1/2"Prodrill 10-K composite flow through plug and 3 1/8" guns loaded W/21.5 gram conex charges, w/85 bbl fresh wtr w/biocide at 12.5 bpm max 6218 psi, set CBP at 8480', perf 8424'-27', 8358'-60', 88281'-83" at 6 jspw w/0.42" EH and 42 total holes, at 60 deg phasing, Pooh all shots fired, drop 2" dia ball,					
10:05AM	12:20PM	2.25	Stage-12 - Frac Wolfcamp Shale Formation. Ball @ 154 bbls / @ 14.4 bpm / Break @ 5430 psi Ran 15023.4 gal 15% HCL, 21000 # 100 Mesh sand, 98120 # 40/70 White Sand, 23420 # 30/50 Garnet Sand, TOTAL PROP = 142540 #, AVG PRESS = 7752 psi, MAX PRESS = 9011 psi, AVG RATE = 88.1 bpm, MAX RATE = 92 bpm, W/ LTR = 351876 gal.					
12:20PM	01:25PM	1.08	Plug and Perf stage 13 RU WSI wireline, Pump Down Thunderbird 5 1/2"Prodrill 10-K composite flow through plug and 3 1/8" guns loaded W/21.5 gram conex charges, w/56 bbl fresh wtr w/biocide at 12.5 bpm max 4700 psi, set CBP at 8178', perf 8127'-30', 8066'-68', 7984'-86', at 6 jspw w/0.42" EH and 42 total holes, at 60 deg phasing, Pooh all shots fired, drop 2" dia ball,					
01:25PM	03:40PM	2.25	Stage-13 - Frac Wolfcamp Shale Formation. Ball @ 158 bbls / @ 14.8 bpm / Break @ 9297 psi Ran 15191.4 gal 15% HCL, 21000 # 100 Mesh sand, 96400 # 40/70 White Sand, 23000 # 30/50 Garnet Sand, TOTAL PROP = 140400 #, AVG PRESS = 8157 psi, MAX PRESS = 9591 psi, AVG RATE = 87.5 bpm, MAX RATE = 92.6 bpm, W/ LTR = 354270 gal.					
03:40PM	04:45PM	1.08	Plug and Perf stage 14 RU WSI wireline, Pump Down Thunderbird 5 1/2"Prodrill 10-K composite flow through plug and 3 1/8" guns loaded W/21.5 gram conex charges, w/53 bbl fresh wtr w/biocide at 12.5 bpm max 4553 psi, set CBP at 7954', perf 7898'-7901', 7826'-28', 7746'-48', at 6 jspw w/0.42" EH and 42 total holes, at 60 deg phasing, Pooh all shots fired, drop 2" dia ball,					
04:45PM	06:59PM	2.23	Stage-14 - Frac Wolfcamp Shale Formation. Ball @ 157 bbls / @ 15.8 bpm / Break @ 7913 psi Ran 15132.6 gal 15% HCL, 22520 # 100 Mesh sand, 113460 # 40/70 White Sand, 23000 # 30/50 Garnet Sand, TOTAL PROP = 158980 #, AVG PRESS = 8011 psi, MAX PRESS = 8954 psi, AVG RATE = 87 bpm, MAX RATE = 91.2 bpm, W/ LTR = 348390 gal.					
07:15PM	08:10PM	0.92	Plug and Perf stage 15 RU WSI wireline, Pump Down Thunderbird 5 1/2"Prodrill 10-K composite flow through plug and 3 1/8" guns loaded W/21.5 gram conex charges, w/48 bbl fresh wtr w/biocide at 12.5 bpm max 4780 psi, set CBP at 7700', perf 7644'-47', 7585'-87', 7522'-24', at 6 jspw w/0.42" EH and 42 total holes, at 60 deg phasing, Pooh all shots fired, drop 2" dia ball,					
08:10PM	10:37PM	2.45	Stage-15 - Frac Wolfcamp Shale Formation. Ball @ 148 bbls / @ 14.2 bpm / Break @ 9923psi Ran 14754.6 gal 15% HCL, 23000 # 100 Mesh sand, 113140 # 40/70 White Sand, 23000 # 30/50 Garnet Sand, TOTAL PROP = 159140 #, AVG PRESS = 7858 psi, MAX PRESS = 9923 psi, AVG RATE = 86.4 bpm, MAX RATE = 90.4 bpm, W/ LTR = 404754 gal.					
10:50PM	11:45PM	0.92	Plug and Perf stage 16 RU WSI wireline, Pump Down Thunderbird 5 1/2"Prodrill 10-K composite flow through plug and 3 1/8" guns loaded W/21.5 gram conex charges, w/40 bbl fresh wtr w/biocide at 12.5 bpm max 4010 psi, set CBP at 7500', perf 7480'-83', 7410'-12', 7340'-42', at 6 jspw w/0.42" EH and 42 total holes, at 60 deg phasing, Pooh all shots fired, drop 2" dia ball,					
Actual Perforations								
Date	Zone	From	To	JSPF Phasing	Comments		Report Date	
12/13/2012							12/13/2012	
12/13/2012							12/13/2012	
12/13/2012							12/13/2012	
12/14/2012							12/14/2012	
12/15/2012	WICHITA ALBANY	7,340	7,342.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,410	7,412.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,480	7,483.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,522	7,524.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,585	7,587.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,644	7,647.00	6 60.00			12/15/2012	



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12/15/2012	WICHITA ALBANY	7,746	7,748.00	6 60.00	12/15/2012
12/15/2012	WICHITA ALBANY	7,826	7,828.00	6 60.00	12/15/2012
12/15/2012	WICHITA ALBANY	7,898	7,901.00	6 60.00	12/15/2012
12/15/2012	WICHITA ALBANY	7,984	7,986.00	6 60.00	12/15/2012
12/15/2012	WICHITA ALBANY	8,066	8,068.00	6 60.00	12/15/2012
12/15/2012	WICHITA ALBANY	8,127	8,130.00	6 60.00	12/15/2012
12/15/2012	WICHITA ALBANY	8,281	8,282.00	6 60.00	12/15/2012
12/15/2012	WICHITA ALBANY	8,358	8,360.00	6 60.00	12/15/2012
12/15/2012	WICHITA ALBANY	8,424	8,427.00	6 60.00	12/15/2012
12/15/2012	WICHITA ALBANY	8,558	8,560.00	6 60.00	12/15/2012
12/15/2012	WICHITA ALBANY	8,618	8,620.00	6 60.00	12/15/2012
12/15/2012	WICHITA ALBANY	8,698	8,671.00	6 60.00	12/15/2012
12/15/2012	WICHITA ALBANY	9,009	9,011.00	6 60.00	12/15/2012
12/15/2012	WICHITA ALBANY	9,088	9,090.00	6 60.00	12/15/2012
12/15/2012	WICHITA ALBANY	9,160	9,163.00	6 60.00	12/15/2012
12/14/2012	WICHITA ALBANY	9,243	9,245.00	6 60.00	12/14/2012
12/14/2012	WICHITA ALBANY	9,320	9,322.00	6 60.00	12/14/2012
12/14/2012	WICHITA ALBANY	9,390	9,393.00	6 60.00	12/14/2012
12/14/2012	WICHITA ALBANY	9,680	9,683.00	6 60.00	12/14/2012
12/14/2012	WICHITA ALBANY	9,766	9,770.00	6 60.00	12/14/2012
12/14/2012	WICHITA ALBANY	9,845	9,847.00	6 60.00	12/14/2012
12/14/2012	WICHITA ALBANY	9,923	9,925.00	6 60.00	12/14/2012
12/14/2012	WICHITA ALBANY	10,010	10,013.00	6 60.00	12/14/2012
12/14/2012	WICHITA ALBANY	10,113	10,115.00	6 60.00	12/14/2012
12/14/2012	WICHITA ALBANY	10,200	10,202.00	6 60.00	12/14/2012
12/14/2012	WICHITA ALBANY	10,283	10,286.00	6 60.00	12/14/2012
12/14/2012	WICHITA ALBANY	10,354	10,356.00	6 60.00	12/14/2012
12/14/2012	WICHITA ALBANY	10,409	10,411.00	6 60.00	12/14/2012
12/14/2012	WICHITA ALBANY	10,452	10,455.00	6 60.00	12/14/2012
12/13/2012	WICHITA ALBANY	10,558	10,560.00	6 60.00	12/13/2012
12/13/2012	WICHITA ALBANY	10,622	10,624.00	6 60.00	12/13/2012
12/13/2012	WICHITA ALBANY	10,676	10,679.00	6 60.00	12/13/2012
12/13/2012	WICHITA ALBANY	10,795	10,797.00	6 60.00	12/13/2012
12/13/2012	WICHITA ALBANY	10,871	10,878.00	6 60.00	12/13/2012
12/13/2012	WICHITA ALBANY	10,953	10,956.00	6 60.00	12/13/2012
11/30/2012	WICHITA ALBANY	11,038	11,040.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,038	11,040.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,038	11,040.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,128	11,130.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,128	11,130.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,128	11,130.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,177	11,180.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,177	11,180.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,177	11,180.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,276	11,278.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,326	11,328.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,391	11,394.00	6 60.00	11/30/2012

Squeeze / Repair / Plugs

Date	From	To	Work Done	Date Report
10/26/2012			PRODUCTION CASING PRIMARY CEMENT	10/27/2012

Directional Information

Initial Deviation	Max Dev	Max Dogleg
2,500	91.3deg at 11,373	12.8 deg at 6,789

Casing / Tubing Information

Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	1,596.00	1,355		-1,725.19	
INTERMEDIATE 1	9.63	40	J-55, HCK-55, K-55	4,711.04	1,550		1,389.34	
PRODUCTION 1	5.50	20, 0	P 110	11,529.96			3,805.70	

BULKS

Product	QTY
	0.0
DIESEL, RIG FUEL	0.0



APACHE CORPORATION

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Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
65506	DRILLING OVERHEAD	4,000	0	0	0	4,000	
70003	BITS, COREHEADS AND REAMERS	30,000	0	0	0	30,000	
70004	CASING CREW	17,000	15,436	0	15,436	1,565	
70006	CEMENT AND CEMENTING SERVICES	110,000	106,927	0	106,927	3,073	
70008	COMMUNICATIONS		450	0	450		
70011	COMPANY SUPERVISION	27,500	2,500	0	2,500	25,000	
70017	CONTRACT LABOR	75,000	10,000	0	10,000	65,000	
70019	CONTRACT DRILLING-DAY/TURNKEY	155,000	47,792	0	47,792	107,208	
70021	CONTRACT SUPERVISION	5,000	5,088	0	5,088	-88	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		7,669	0	7,669		
70026	ELECTRICAL CONTRACT		22,500	0	22,500		
70031	EQUIPMENT RENTAL	300,000	65,487	0	65,487	234,513	
70034	FORMATION STIMULATION	2,800,000	0	0	0	2,800,000	
70037	FUEL AND POWER		5,592	0	5,592		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70046	LAND AND SITE RECLAMATION	20,000	0	0	0	20,000	
70049	LOGGING AND WIRELINE	450,000	162,445	0	162,445	287,555	
70054	OTHER INTANGIBLE	140,000	2,250	0	2,250	137,750	
70065	SITE PREPARATION	9,000	0	0	0	9,000	
70069	SNUBBING/COIL TUBING UNIT	60,000	57,990	0	57,990	2,010	
70074	TRUCKING AND HAULING	200,000	17,736	0	17,736	182,264	
70076	TUBULAR INSPECTION/TESTING	7,500	0	0	0	7,500	
70077	WATER	100,000	10,338	0	10,338	89,662	
Total Intangible Cost		4,510,000	540,200		540,200	3,969,800	
71001	ARTIFICIAL LIFT	175,000	0	0	0	175,000	
71012	FLOWLINES TO BATTERY	20,000	0	0	0	20,000	
71026	MCC/ SWITCHGEAR		13,100	0	13,100		
71040	PRODUCTION CASING	249,000	0	0	0	249,000	
71046	SEPARATORS	40,000	0	0	0	40,000	
71051	TANK BATTERY	15,000	0	0	0	15,000	
71053	TUBING	36,000	0	0	0	36,000	
71056	WELLHEAD ASSEMBLY	20,000	9,366	0	9,366	10,634	
Total Tangible Cost		555,000	22,466		22,466	532,534	
Total:		5,065,000	562,666		562,666		



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WELL NAME THREE BAR SHALLOW UNIT 103H							DATE 12-16-2012			
Operator APACHE CORPORATION		API 4200344227	GL 3,304.00	TMD 11,542.00	TVD 7,126.75	RKB/RT 3,321.00	Working Int % 100.00	Report No 15		
Region PERMIAN		District ANDREWS - TX NCZ		License		Well Supervisor BOBBY CLOUD / MONTE MITCHELL		Engineer / Geologist STEPHEN MARCIL		
Field THREE BAR WICHITA ALB		State		County		Event Code LCM		Event Type LAND-ORIG COMP	Objective	
RIG Name UNION 215 /				RIG PHONE NO 281-336-0223		RIG Fax No		Tool Pusher DANNY LAMAN		
AFE #: PA-12-0788-C		AFE Description:								
AFE Costs 5,065,000		Previous Day Cum 562,666		Daily Costs 1,568,923		Cumulative Cost 2,131,589		AFE Remaining 2,933,411		AFE % 42.08
Comment Summary 24 HR Forecast		FRAC STAGE 16 & RIGGED DOWN ALL EQUIPMENT PREPPING FOR DRILL OUT								
24 HR Operational Comments										
From	To	Duration	Operation Description							
12:00AM	01:58AM	1.97	Stage-16 - Frac Wolfcamp Shale Formation. Ball @ 144 bbls / @ 15.3 bpm / Break @ 4383 psi Ran 12847.8 gal 15% HCL, 22000 # 100 Mesh sand, 116460 # 40/70 White Sand, 23000 # 30/50 Garnet Sand, TOTAL PROP = 161460 #, AVG PRESS = 7464 psi, MAX PRESS = 8312 psi, AVG RATE = 86.9 bpm, MAX RATE = 90.6 bpm, W/ LTR = 373884 gal.							
02:10AM	03:05AM	0.92	CAP PLUG RU WSI RIH W/ 5 1/2" PRO DRILL COMPOSITE PLUG SET CBP AT 6020' & POOH W/ WIRE LINE SHUT WELL IN RD WSI & RIGGED DOWN ALL EQUIPMENT							
Actual Perforations										
Date	Zone	From	To	JSPF Phasing	Comments				Report Date	
12/13/2012									12/13/2012	
12/13/2012									12/13/2012	
12/13/2012									12/13/2012	
12/14/2012									12/14/2012	
12/15/2012	WICHITA ALBANY	7,340	7,342.00	6 60.00					12/15/2012	
12/15/2012	WICHITA ALBANY	7,410	7,412.00	6 60.00					12/15/2012	
12/15/2012	WICHITA ALBANY	7,480	7,483.00	6 60.00					12/15/2012	
12/15/2012	WICHITA ALBANY	7,522	7,524.00	6 60.00					12/15/2012	
12/15/2012	WICHITA ALBANY	7,585	7,587.00	6 60.00					12/15/2012	
12/15/2012	WICHITA ALBANY	7,644	7,647.00	6 60.00					12/15/2012	
12/15/2012	WICHITA ALBANY	7,746	7,748.00	6 60.00					12/15/2012	
12/15/2012	WICHITA ALBANY	7,826	7,828.00	6 60.00					12/15/2012	
12/15/2012	WICHITA ALBANY	7,898	7,901.00	6 60.00					12/15/2012	
12/15/2012	WICHITA ALBANY	7,984	7,986.00	6 60.00					12/15/2012	
12/15/2012	WICHITA ALBANY	8,066	8,068.00	6 60.00					12/15/2012	
12/15/2012	WICHITA ALBANY	8,127	8,130.00	6 60.00					12/15/2012	
12/15/2012	WICHITA ALBANY	8,281	8,282.00	6 60.00					12/15/2012	
12/15/2012	WICHITA ALBANY	8,358	8,360.00	6 60.00					12/15/2012	
12/15/2012	WICHITA ALBANY	8,424	8,427.00	6 60.00					12/15/2012	
12/15/2012	WICHITA ALBANY	8,558	8,560.00	6 60.00					12/15/2012	
12/15/2012	WICHITA ALBANY	8,618	8,620.00	6 60.00					12/15/2012	
12/15/2012	WICHITA ALBANY	8,698	8,671.00	6 60.00					12/15/2012	
12/15/2012	WICHITA ALBANY	9,009	9,011.00	6 60.00					12/15/2012	
12/15/2012	WICHITA ALBANY	9,088	9,090.00	6 60.00					12/15/2012	
12/15/2012	WICHITA ALBANY	9,160	9,163.00	6 60.00					12/15/2012	
12/14/2012	WICHITA ALBANY	9,243	9,245.00	6 60.00					12/14/2012	
12/14/2012	WICHITA ALBANY	9,320	9,322.00	6 60.00					12/14/2012	
12/14/2012	WICHITA ALBANY	9,390	9,393.00	6 60.00					12/14/2012	
12/14/2012	WICHITA ALBANY	9,680	9,683.00	6 60.00					12/14/2012	
12/14/2012	WICHITA ALBANY	9,766	9,770.00	6 60.00					12/14/2012	
12/14/2012	WICHITA ALBANY	9,845	9,847.00	6 60.00					12/14/2012	
12/14/2012	WICHITA ALBANY	9,923	9,925.00	6 60.00					12/14/2012	
12/14/2012	WICHITA ALBANY	10,010	10,013.00	6 60.00					12/14/2012	
12/14/2012	WICHITA ALBANY	10,113	10,115.00	6 60.00					12/14/2012	
12/14/2012	WICHITA ALBANY	10,200	10,202.00	6 60.00					12/14/2012	
12/14/2012	WICHITA ALBANY	10,283	10,286.00	6 60.00					12/14/2012	
12/14/2012	WICHITA ALBANY	10,354	10,356.00	6 60.00					12/14/2012	
12/14/2012	WICHITA ALBANY	10,409	10,411.00	6 60.00					12/14/2012	
12/14/2012	WICHITA ALBANY	10,452	10,455.00	6 60.00					12/14/2012	
12/13/2012	WICHITA ALBANY	10,558	10,560.00	6 60.00					12/13/2012	
12/13/2012	WICHITA ALBANY	10,622	10,624.00	6 60.00					12/13/2012	
12/13/2012	WICHITA ALBANY	10,676	10,679.00	6 60.00					12/13/2012	



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12/13/2012	WICHITA ALBANY	10,795	10,797.00	6	60.00	12/13/2012
12/13/2012	WICHITA ALBANY	10,871	10,878.00	6	60.00	12/13/2012
12/13/2012	WICHITA ALBANY	10,953	10,956.00	6	60.00	12/13/2012
11/30/2012	WICHITA ALBANY	11,038	11,040.00	6	60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,038	11,040.00	6	60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,038	11,040.00	6	60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,128	11,130.00	6	60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,128	11,130.00	6	60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,128	11,130.00	6	60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,177	11,180.00	6	60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,177	11,180.00	6	60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,177	11,180.00	6	60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,276	11,278.00	6	60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,326	11,328.00	6	60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,391	11,394.00	6	60.00	11/30/2012

Squeeze / Repair / Plugs

Date	From	To	Work Done	Date Report
10/26/2012			PRODUCTION CASING PRIMARY CEMENT	10/27/2012

Directional Information

Initial Deviation	Max Dev	Max Dogleg
2,500	91.3deg at 11,373	12.8 deg at 6,789

Casing / Tubing Information

Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	1,596.00	1,355		-1,725.19	
INTERMEDIATE 1	9.63	40	J-55, HCK-55, K-55	4,711.04	1,550		1,389.34	
PRODUCTION 1	5.50	20, 0	P 110	11,529.96			3,805.70	

BULKS

Product	QTY
	0.0
DIESEL, RIG FUEL	0.0



APACHE CORPORATION

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Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
65506	DRILLING OVERHEAD	4,000	0	0	0	4,000	
70003	BITS, COREHEADS AND REAMERS	30,000	0	0	0	30,000	
70004	CASING CREW	17,000	15,436	0	15,436	1,565	
70006	CEMENT AND CEMENTING SERVICES	110,000	106,927	0	106,927	3,073	
70008	COMMUNICATIONS		450	0	450		
70011	COMPANY SUPERVISION	27,500	2,500	2,000	4,500	23,000	
70017	CONTRACT LABOR	75,000	10,000	11,880	21,880	53,120	
70019	CONTRACT DRILLING-DAY/TURNKEY	155,000	47,792	0	47,792	107,208	
70021	CONTRACT SUPERVISION	5,000	5,088	0	5,088	-88	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		7,669	0	7,669		
70026	ELECTRICAL CONTRACT		22,500	0	22,500		
70031	EQUIPMENT RENTAL	300,000	65,487	104,600	170,087	129,913	FRAC TANKS/WELL HEAD
70034	FORMATION STIMULATION	2,800,000	0	1,302,635	1,302,635	1,497,365	
70037	FUEL AND POWER		5,592	0	5,592		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70046	LAND AND SITE RECLAMATION	20,000	0	0	0	20,000	
70049	LOGGING AND WIRELINE	450,000	162,445	79,398	241,843	208,157	
70054	OTHER INTANGIBLE	140,000	2,250	33,530	35,780	104,220	
70065	SITE PREPARATION	9,000	0	0	0	9,000	
70069	SNUBBING/COIL TUBING UNIT	60,000	57,990	30,000	87,990	-27,990	
70074	TRUCKING AND HAULING	200,000	17,736	4,880	22,616	177,384	
70076	TUBULAR INSPECTION/TESTING	7,500	0	0	0	7,500	
70077	WATER	100,000	10,338	0	10,338	89,662	
Total Intangible Cost		4,510,000	540,200	1,568,923	2,109,123	2,400,877	
71001	ARTIFICIAL LIFT	175,000	0	0	0	175,000	
71012	FLOWLINES TO BATTERY	20,000	0	0	0	20,000	
71026	MCC/ SWITCHGEAR		13,100	0	13,100		
71040	PRODUCTION CASING	249,000	0	0	0	249,000	
71046	SEPARATORS	40,000	0	0	0	40,000	
71051	TANK BATTERY	15,000	0	0	0	15,000	
71053	TUBING	36,000	0	0	0	36,000	
71056	WELLHEAD ASSEMBLY	20,000	9,366	0	9,366	10,634	
Total Tangible Cost		555,000	22,466		22,466	532,534	
Total:		5,065,000	562,666	1,568,923	2,131,589	2,933,411	



APACHE CORPORATION

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WELL NAME THREE BAR SHALLOW UNIT 103H							DATE 12-17-2012	
Operator APACHE CORPORATION		API 4200344227	GL 3,304.00	TMD 11,542.00	TVD	RKB/RT 3,321.00	Working Int % 100.00	Report No 16
Region PERMIAN		District ANDREWS - TX NCZ	License		Well Supervisor BOBBY CLOUD / MONTE MITCHELL		Engineer / Geologist STEPHEN MARCIL	
Field THREE BAR WICHITA ALB		State	County	Event Code LCM	Event Type LAND-ORIG COMP		Objective	
RIG Name UNION 215 /			RIG PHONE NO 281-336-0223		RIG Fax No		Tool Pusher DANNY LAMAN	
AFE #: PA-12-0788-C		AFE Description:						
AFE Costs 5,065,000		Previous Day Cum 2,151,709		Daily Costs 16,560	Cumulative Cost 2,168,269	AFE Remaining 2,896,731		AFE % 42.81
Comment Summary 24 HR Forecast		MIRUSU X NU BOP X MI W.S. / FLOWBACK X PU/RIH W/ 4 1/2" MILL DRILLED OUT 3 PLUGS CON'T PU/RIH DRILL OUT PLUGS						
24 HR Operational Comments								
From 08:00AM	To 05:00AM	Duration 21.00	Operation Description MIRUSU X ND FLANGE/NU BOP X MI 382 JTS OF PH 6 W.S. X PU/RIH W/4 1/2" MILL TAG @ 6018' (CAP PLUG) TOOK 45 MIN TO DRILL OUT X HAD A GAS KICK @ 1000# X CON'T TO RIH TO 7168' RU POWER SWIVEL TO ROTATE THRU CURVE (HAD 11' OF FILL ON TOP OF 2ND PLUG) TAG @ 7503' X TOOK 1HR 15 MIN TO DRILL OUT X CON'T TO RIH TO 3RD PLUG TAG @ 7670' X TOOK 1 HR TO DRILL OUT X CON'T TO RIH CLEANING FILL @ 7822' (SHIFT CHANGE)					
Actual Perforations								
Date	Zone	From	To	JSPF Phasing	Comments	Report Date		
12/13/2012						12/13/2012		
12/13/2012						12/13/2012		
12/13/2012						12/13/2012		
12/14/2012						12/14/2012		
12/15/2012	WICHITA ALBANY	7,340	7,342.00	6 60.00		12/15/2012		
12/15/2012	WICHITA ALBANY	7,410	7,412.00	6 60.00		12/15/2012		
12/15/2012	WICHITA ALBANY	7,480	7,483.00	6 60.00		12/15/2012		
12/15/2012	WICHITA ALBANY	7,522	7,524.00	6 60.00		12/15/2012		
12/15/2012	WICHITA ALBANY	7,585	7,587.00	6 60.00		12/15/2012		
12/15/2012	WICHITA ALBANY	7,644	7,647.00	6 60.00		12/15/2012		
12/15/2012	WICHITA ALBANY	7,746	7,748.00	6 60.00		12/15/2012		
12/15/2012	WICHITA ALBANY	7,826	7,828.00	6 60.00		12/15/2012		
12/15/2012	WICHITA ALBANY	7,898	7,901.00	6 60.00		12/15/2012		
12/15/2012	WICHITA ALBANY	7,984	7,986.00	6 60.00		12/15/2012		
12/15/2012	WICHITA ALBANY	8,066	8,068.00	6 60.00		12/15/2012		
12/15/2012	WICHITA ALBANY	8,127	8,130.00	6 60.00		12/15/2012		
12/15/2012	WICHITA ALBANY	8,281	8,282.00	6 60.00		12/15/2012		
12/15/2012	WICHITA ALBANY	8,358	8,360.00	6 60.00		12/15/2012		
12/15/2012	WICHITA ALBANY	8,424	8,427.00	6 60.00		12/15/2012		
12/15/2012	WICHITA ALBANY	8,558	8,560.00	6 60.00		12/15/2012		
12/15/2012	WICHITA ALBANY	8,618	8,620.00	6 60.00		12/15/2012		
12/15/2012	WICHITA ALBANY	8,698	8,671.00	6 60.00		12/15/2012		
12/15/2012	WICHITA ALBANY	9,009	9,011.00	6 60.00		12/15/2012		
12/15/2012	WICHITA ALBANY	9,088	9,090.00	6 60.00		12/15/2012		
12/15/2012	WICHITA ALBANY	9,160	9,163.00	6 60.00		12/15/2012		
12/14/2012	WICHITA ALBANY	9,243	9,245.00	6 60.00		12/14/2012		
12/14/2012	WICHITA ALBANY	9,320	9,322.00	6 60.00		12/14/2012		
12/14/2012	WICHITA ALBANY	9,390	9,393.00	6 60.00		12/14/2012		
12/14/2012	WICHITA ALBANY	9,680	9,683.00	6 60.00		12/14/2012		
12/14/2012	WICHITA ALBANY	9,766	9,770.00	6 60.00		12/14/2012		
12/14/2012	WICHITA ALBANY	9,845	9,847.00	6 60.00		12/14/2012		
12/14/2012	WICHITA ALBANY	9,923	9,925.00	6 60.00		12/14/2012		
12/14/2012	WICHITA ALBANY	10,010	10,013.00	6 60.00		12/14/2012		
12/14/2012	WICHITA ALBANY	10,113	10,115.00	6 60.00		12/14/2012		
12/14/2012	WICHITA ALBANY	10,200	10,202.00	6 60.00		12/14/2012		
12/14/2012	WICHITA ALBANY	10,283	10,286.00	6 60.00		12/14/2012		
12/14/2012	WICHITA ALBANY	10,354	10,356.00	6 60.00		12/14/2012		
12/14/2012	WICHITA ALBANY	10,409	10,411.00	6 60.00		12/14/2012		
12/14/2012	WICHITA ALBANY	10,452	10,455.00	6 60.00		12/14/2012		
12/13/2012	WICHITA ALBANY	10,558	10,560.00	6 60.00		12/13/2012		
12/13/2012	WICHITA ALBANY	10,622	10,624.00	6 60.00		12/13/2012		
12/13/2012	WICHITA ALBANY	10,676	10,679.00	6 60.00		12/13/2012		
12/13/2012	WICHITA ALBANY	10,795	10,797.00	6 60.00		12/13/2012		



APACHE CORPORATION

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12/13/2012	WICHITA ALBANY	10,871	10,878.00	6 60.00	12/13/2012
12/13/2012	WICHITA ALBANY	10,953	10,956.00	6 60.00	12/13/2012
11/30/2012	WICHITA ALBANY	11,038	11,040.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,038	11,040.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,038	11,040.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,128	11,130.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,128	11,130.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,128	11,130.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,177	11,180.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,177	11,180.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,177	11,180.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,276	11,278.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,326	11,328.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,391	11,394.00	6 60.00	11/30/2012

Squeeze / Repair / Plugs

Date	From	To	Work Done	Date Report
10/26/2012			PRODUCTION CASING PRIMARY CEMENT	10/27/2012

Directional Information

Initial Deviation	Max Dev	Max Dogleg
2,500	91.3deg at 11,373	12.8 deg at 6,789

Casing / Tubing Information

Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	1,596.00	1,355		-1,725.19	
INTERMEDIATE 1	9.63	40	J-55, HCK-55, K-55	4,711.04	1,550		1,389.34	
PRODUCTION 1	5.50	20, 0	P 110	11,529.96			3,805.70	

BULKS

Product	QTY
DIESEL, RIG FUEL	0.0
	0.0



APACHE CORPORATION

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Daily Land - Orig Comp Report

Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
65506	DRILLING OVERHEAD	4,000	0	0	0	4,000	
70003	BITS, COREHEADS AND REAMERS	30,000	0	0	0	30,000	
70004	CASING CREW	17,000	15,436	0	15,436	1,565	
70006	CEMENT AND CEMENTING SERVICES	110,000	106,927	0	106,927	3,073	
70008	COMMUNICATIONS		450	0	450		
70011	COMPANY SUPERVISION	27,500	4,500	500	5,000	22,500	
70017	CONTRACT LABOR	75,000	42,000	7,200	49,200	25,800	
70019	CONTRACT DRILLING-DAY/TURNKEY	155,000	47,792	3,860	51,652	103,348	
70021	CONTRACT SUPERVISION	5,000	5,088	0	5,088	-88	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		7,669	0	7,669		
70026	ELECTRICAL CONTRACT		22,500	0	22,500		
70031	EQUIPMENT RENTAL	300,000	170,087	5,000	175,087	124,913	FRAC TANKS/WELL HEAD
70034	FORMATION STIMULATION	2,800,000	1,302,635	0	1,302,635	1,497,365	
70037	FUEL AND POWER		5,592	0	5,592		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70046	LAND AND SITE RECLAMATION	20,000	0	0	0	20,000	
70049	LOGGING AND WIRELINE	450,000	241,843	0	241,843	208,157	
70054	OTHER INTANGIBLE	140,000	35,780	0	35,780	104,220	
70065	SITE PREPARATION	9,000	0	0	0	9,000	
70069	SNUBBING/COIL TUBING UNIT	60,000	87,990	0	87,990	-27,990	
70074	TRUCKING AND HAULING	200,000	22,616	0	22,616	177,384	
70076	TUBULAR INSPECTION/TESTING	7,500	0	0	0	7,500	
70077	WATER	100,000	10,338	0	10,338	89,662	
Total Intangible Cost		4,510,000	2,129,243	16,560	2,145,803	2,364,197	
71001	ARTIFICIAL LIFT	175,000	0	0	0	175,000	
71012	FLOWLINES TO BATTERY	20,000	0	0	0	20,000	
71026	MCC/ SWITCHGEAR		13,100	0	13,100		
71040	PRODUCTION CASING	249,000	0	0	0	249,000	
71046	SEPARATORS	40,000	0	0	0	40,000	
71051	TANK BATTERY	15,000	0	0	0	15,000	
71053	TUBING	36,000	0	0	0	36,000	
71056	WELLHEAD ASSEMBLY	20,000	9,366	0	9,366	10,634	
Total Tangible Cost		555,000	22,466		22,466	532,534	
Total:		5,065,000	2,151,709	16,560	2,168,269	2,896,731	



APACHE CORPORATION

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WELL NAME THREE BAR SHALLOW UNIT 103H							DATE 12-18-2012			
Operator APACHE CORPORATION		API 4200344227	GL 3,304.00	TMD 11,542.00	TVD	RKB/RT 3,321.00	Working Int % 100.00	Report No 17		
Region PERMIAN		District ANDREWS - TX NCZ		License		Well Supervisor BOBBY CLOUD / MONTE MITCHELL		Engineer / Geologist STEPHEN MARCIL		
Field THREE BAR WICHITA ALB		State		County		Event Code LCM		Event Type LAND-ORIG COMP	Objective	
RIG Name UNION 215 /				RIG PHONE NO 281-336-0223		RIG Fax No		Tool Pusher DANNY LAMAN		
AFE #: PA-12-0788-C		AFE Description:								
AFE Costs 5,065,000		Previous Day Cum 2,168,269		Daily Costs 35,040		Cumulative Cost 2,203,309		AFE Remaining 2,861,691		AFE % 43.50
Comment Summary 24 HR Forecast		CON'T RIH DRILL OUT TO PLUG 13 / REVERSE UNIT MOTOR WOULD NOT START CALLED FOR MECHANIC REPAIR REVERSE UNIT CON'T DRILL OUT								
24 HR Operational Comments										
From 06:00AM	To 04:15AM	Duration 22.25	Operation Description CON'T TO RIH TAG 4TH PLUG @ 7950' DRILLED OUT IN 1 HR X CON'T TO RIH TAG FILL @ 8075' TAG PLUG @ 8160' DRILL OUT 1 HR X CON'T RIH TAG 6TH PLUG @ 8445' DRILL OUT 1 HR 20 MIN. X CON'T RIH TAG 7TH PLUG @ 8725' TOOK 45 MIN TO DRILL OUT X CON'T RIH TAG 8TH PLUG @ 9195' X HAD RIG SHIFT CHANGE X BEGIN TO DRILL OUT 8TH PLUG @ 9195' TOOK 1 HR 15 MIN TO DRILL OUT X CON'T RIH TAG 9TH PLUG @ 9208' DRILL OUT 1 HR 20 MIN X CON'T RIH TAG 10TH PLUG @ 9440' TOOK 1 HR 10 MIN DRILL OUT X CON'T RIH TAG 11TH PLUG @ 9820' TOOK 1 HR 25 MIN DRILL OUT X CON'T RIH TAG 12TH PLUG @ 10060' TOOK 1 HR 45 MIN TO DRILL OUT X CON'T RIH TAG 13TH PLUG @ 10340' (REVERSE UNIT BROKE DOWN) X STARTED PULLING ABOVE PERFS DECIDED TO GO AHEAD PULL OUT REPLACE MILL IF BRINE WATER WILL KILL WELL HAS 400# WHEN NOT DRILLING.							
Actual Perforations										
Date	Zone	From	To	JSPF Phasing	Comments	Report Date				
12/13/2012						12/13/2012				
12/13/2012						12/13/2012				
12/13/2012						12/13/2012				
12/14/2012						12/14/2012				
12/15/2012	WICHITA ALBANY	7,340	7,342.00	6 60.00		12/15/2012				
12/15/2012	WICHITA ALBANY	7,410	7,412.00	6 60.00		12/15/2012				
12/15/2012	WICHITA ALBANY	7,480	7,483.00	6 60.00		12/15/2012				
12/15/2012	WICHITA ALBANY	7,522	7,524.00	6 60.00		12/15/2012				
12/15/2012	WICHITA ALBANY	7,585	7,587.00	6 60.00		12/15/2012				
12/15/2012	WICHITA ALBANY	7,644	7,647.00	6 60.00		12/15/2012				
12/15/2012	WICHITA ALBANY	7,746	7,748.00	6 60.00		12/15/2012				
12/15/2012	WICHITA ALBANY	7,826	7,828.00	6 60.00		12/15/2012				
12/15/2012	WICHITA ALBANY	7,898	7,901.00	6 60.00		12/15/2012				
12/15/2012	WICHITA ALBANY	7,984	7,986.00	6 60.00		12/15/2012				
12/15/2012	WICHITA ALBANY	8,066	8,068.00	6 60.00		12/15/2012				
12/15/2012	WICHITA ALBANY	8,127	8,130.00	6 60.00		12/15/2012				
12/15/2012	WICHITA ALBANY	8,281	8,282.00	6 60.00		12/15/2012				
12/15/2012	WICHITA ALBANY	8,358	8,360.00	6 60.00		12/15/2012				
12/15/2012	WICHITA ALBANY	8,424	8,427.00	6 60.00		12/15/2012				
12/15/2012	WICHITA ALBANY	8,558	8,560.00	6 60.00		12/15/2012				
12/15/2012	WICHITA ALBANY	8,618	8,620.00	6 60.00		12/15/2012				
12/15/2012	WICHITA ALBANY	8,698	8,671.00	6 60.00		12/15/2012				
12/15/2012	WICHITA ALBANY	9,009	9,011.00	6 60.00		12/15/2012				
12/15/2012	WICHITA ALBANY	9,088	9,090.00	6 60.00		12/15/2012				
12/15/2012	WICHITA ALBANY	9,160	9,163.00	6 60.00		12/15/2012				
12/14/2012	WICHITA ALBANY	9,243	9,245.00	6 60.00		12/14/2012				
12/14/2012	WICHITA ALBANY	9,320	9,322.00	6 60.00		12/14/2012				
12/14/2012	WICHITA ALBANY	9,390	9,393.00	6 60.00		12/14/2012				
12/14/2012	WICHITA ALBANY	9,680	9,683.00	6 60.00		12/14/2012				
12/14/2012	WICHITA ALBANY	9,766	9,770.00	6 60.00		12/14/2012				
12/14/2012	WICHITA ALBANY	9,845	9,847.00	6 60.00		12/14/2012				
12/14/2012	WICHITA ALBANY	9,923	9,925.00	6 60.00		12/14/2012				
12/14/2012	WICHITA ALBANY	10,010	10,013.00	6 60.00		12/14/2012				
12/14/2012	WICHITA ALBANY	10,113	10,115.00	6 60.00		12/14/2012				
12/14/2012	WICHITA ALBANY	10,200	10,202.00	6 60.00		12/14/2012				
12/14/2012	WICHITA ALBANY	10,283	10,286.00	6 60.00		12/14/2012				
12/14/2012	WICHITA ALBANY	10,354	10,356.00	6 60.00		12/14/2012				
12/14/2012	WICHITA ALBANY	10,409	10,411.00	6 60.00		12/14/2012				
12/14/2012	WICHITA ALBANY	10,452	10,455.00	6 60.00		12/14/2012				
12/13/2012	WICHITA ALBANY	10,558	10,560.00	6 60.00		12/13/2012				



APACHE CORPORATION

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12/13/2012	WICHITA ALBANY	10,622	10,624.00	6 60.00	12/13/2012
12/13/2012	WICHITA ALBANY	10,676	10,679.00	6 60.00	12/13/2012
12/13/2012	WICHITA ALBANY	10,795	10,797.00	6 60.00	12/13/2012
12/13/2012	WICHITA ALBANY	10,871	10,878.00	6 60.00	12/13/2012
12/13/2012	WICHITA ALBANY	10,953	10,956.00	6 60.00	12/13/2012
11/30/2012	WICHITA ALBANY	11,038	11,040.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,038	11,040.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,038	11,040.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,128	11,130.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,128	11,130.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,128	11,130.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,177	11,180.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,177	11,180.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,177	11,180.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,276	11,278.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,326	11,328.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,391	11,394.00	6 60.00	11/30/2012

Squeeze / Repair / Plugs

Date	From	To	Work Done	Date Report
10/26/2012			PRODUCTION CASING PRIMARY CEMENT	10/27/2012

Directional Information

Initial Deviation	Max Dev	Max Dogleg
2,500	91.3deg at 11,373	12.8 deg at 6,789

Casing / Tubing Information

Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	1,596.00	1,355		-1,725.19	
INTERMEDIATE 1	9.63	40	J-55, HCK-55, K-55	4,711.04	1,550		1,389.34	
PRODUCTION 1	5.50	20, 0	P 110	11,529.96			3,805.70	

BULKS

Product	QTY
DIESEL, RIG FUEL	0.0
	0.0



APACHE CORPORATION

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Daily Land - Orig Comp Report

Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
65506	DRILLING OVERHEAD	4,000	0	0	0	4,000	
70003	BITS, COREHEADS AND REAMERS	30,000	0	0	0	30,000	
70004	CASING CREW	17,000	15,436	0	15,436	1,565	
70006	CEMENT AND CEMENTING SERVICES	110,000	106,927	0	106,927	3,073	
70008	COMMUNICATIONS		450	0	450		
70011	COMPANY SUPERVISION	27,500	5,000	500	5,500	22,000	
70017	CONTRACT LABOR	75,000	49,200	11,300	60,500	14,500	
70019	CONTRACT DRILLING-DAY/TURNKEY	155,000	51,652	15,440	67,092	87,908	
70021	CONTRACT SUPERVISION	5,000	5,088	0	5,088	-88	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		7,669	0	7,669		
70026	ELECTRICAL CONTRACT		22,500	0	22,500		
70031	EQUIPMENT RENTAL	300,000	175,087	7,800	182,887	117,113	FRAC TANKS/WELL HEAD
70034	FORMATION STIMULATION	2,800,000	1,302,635	0	1,302,635	1,497,365	
70037	FUEL AND POWER		5,592	0	5,592		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70046	LAND AND SITE RECLAMATION	20,000	0	0	0	20,000	
70049	LOGGING AND WIRELINE	450,000	241,843	0	241,843	208,157	
70054	OTHER INTANGIBLE	140,000	35,780	0	35,780	104,220	
70065	SITE PREPARATION	9,000	0	0	0	9,000	
70069	SNUBBING/COIL TUBING UNIT	60,000	87,990	0	87,990	-27,990	
70074	TRUCKING AND HAULING	200,000	22,616	0	22,616	177,384	
70076	TUBULAR INSPECTION/TESTING	7,500	0	0	0	7,500	
70077	WATER	100,000	10,338	0	10,338	89,662	
Total Intangible Cost		4,510,000	2,145,803	35,040	2,180,843	2,329,157	
71001	ARTIFICIAL LIFT	175,000	0	0	0	175,000	
71012	FLOWLINES TO BATTERY	20,000	0	0	0	20,000	
71026	MCC/ SWITCHGEAR		13,100	0	13,100		
71040	PRODUCTION CASING	249,000	0	0	0	249,000	
71046	SEPARATORS	40,000	0	0	0	40,000	
71051	TANK BATTERY	15,000	0	0	0	15,000	
71053	TUBING	36,000	0	0	0	36,000	
71056	WELLHEAD ASSEMBLY	20,000	9,366	0	9,366	10,634	
Total Tangible Cost		555,000	22,466		22,466	532,534	
Total:		5,065,000	2,168,269	35,040	2,203,309	2,861,691	



APACHE CORPORATION

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WELL NAME THREE BAR SHALLOW UNIT 103H							DATE 12-19-2012			
Operator APACHE CORPORATION		API 4200344227	GL 3,304.00	TMD 11,542.00	TVD	RKB/RT 3,321.00	Working Int % 100.00	Report No 18		
Region PERMIAN		District ANDREWS - TX NCZ		License		Well Supervisor BOBBY CLOUD / MONTE MITCHELL		Engineer / Geologist STEPHEN MARCIL		
Field THREE BAR WICHITA ALB		State		County		Event Code LCM		Event Type LAND-ORIG COMP	Objective	
RIG Name UNION 215 /				RIG PHONE NO 281-336-0223		RIG Fax No		Tool Pusher DANNY LAMAN		
AFE #: PA-12-0788-C		AFE Description:								
AFE Costs 5,065,000		Previous Day Cum 2,203,309		Daily Costs 35,860		Cumulative Cost 2,239,169		AFE Remaining 2,825,831		AFE % 44.21
Comment Summary 24 HR Forecast		CON'T DRILL OUT PLUGS / CIRCULATE CLEAN POH/LD PH W.S. (PUMP MUD KILL WELL)								
24 HR Operational Comments										
From 06:00AM	To 06:00AM	Duration 24.00	Operation Description CON'T RIH TAG 13TH PLUG @ 10,460' DRILLED OUT PLU 1 HR X CON'T RIH TAG 14TH PLUG @ 10,740' DRILLED OUT IN 30 MIN X CON'T RIH TAGGED SAND @ 20,900' WASH THRU TO TAG 15TH PLUG @ 11,020' DRILLED OUT 1 HR X CON'T RIH TAG 16TH PLUG @ 11,230' DRILLED OUT IN 1.5 HRS X CON'T RIH TAGGED SAND @ 11,400' WASHED DN TO PBTD @ 11,465' X CIRCULATED HOLE 1 HR LAY DN 7 JTS (COULD NOT LD W.S. CAUSE OF HIGH WINDS) X CIRCULATED HOLE OVERNIGHT SO NOTHING WOULD FALL IN ON MILL) @ 1.75 BPM							
Actual Perforations										
Date	Zone	From	To	JSPF Phasing	Comments	Report Date				
12/13/2012						12/13/2012				
12/13/2012						12/13/2012				
12/13/2012						12/13/2012				
12/14/2012						12/14/2012				
12/15/2012	WICHITA ALBANY	7,340	7,342.00	6 60.00		12/15/2012				
12/15/2012	WICHITA ALBANY	7,410	7,412.00	6 60.00		12/15/2012				
12/15/2012	WICHITA ALBANY	7,480	7,483.00	6 60.00		12/15/2012				
12/15/2012	WICHITA ALBANY	7,522	7,524.00	6 60.00		12/15/2012				
12/15/2012	WICHITA ALBANY	7,585	7,587.00	6 60.00		12/15/2012				
12/15/2012	WICHITA ALBANY	7,644	7,647.00	6 60.00		12/15/2012				
12/15/2012	WICHITA ALBANY	7,746	7,748.00	6 60.00		12/15/2012				
12/15/2012	WICHITA ALBANY	7,826	7,828.00	6 60.00		12/15/2012				
12/15/2012	WICHITA ALBANY	7,898	7,901.00	6 60.00		12/15/2012				
12/15/2012	WICHITA ALBANY	7,984	7,986.00	6 60.00		12/15/2012				
12/15/2012	WICHITA ALBANY	8,066	8,068.00	6 60.00		12/15/2012				
12/15/2012	WICHITA ALBANY	8,127	8,130.00	6 60.00		12/15/2012				
12/15/2012	WICHITA ALBANY	8,281	8,282.00	6 60.00		12/15/2012				
12/15/2012	WICHITA ALBANY	8,358	8,360.00	6 60.00		12/15/2012				
12/15/2012	WICHITA ALBANY	8,424	8,427.00	6 60.00		12/15/2012				
12/15/2012	WICHITA ALBANY	8,558	8,560.00	6 60.00		12/15/2012				
12/15/2012	WICHITA ALBANY	8,618	8,620.00	6 60.00		12/15/2012				
12/15/2012	WICHITA ALBANY	8,698	8,671.00	6 60.00		12/15/2012				
12/15/2012	WICHITA ALBANY	9,009	9,011.00	6 60.00		12/15/2012				
12/15/2012	WICHITA ALBANY	9,088	9,090.00	6 60.00		12/15/2012				
12/15/2012	WICHITA ALBANY	9,160	9,163.00	6 60.00		12/15/2012				
12/14/2012	WICHITA ALBANY	9,243	9,245.00	6 60.00		12/14/2012				
12/14/2012	WICHITA ALBANY	9,320	9,322.00	6 60.00		12/14/2012				
12/14/2012	WICHITA ALBANY	9,390	9,393.00	6 60.00		12/14/2012				
12/14/2012	WICHITA ALBANY	9,680	9,683.00	6 60.00		12/14/2012				
12/14/2012	WICHITA ALBANY	9,766	9,770.00	6 60.00		12/14/2012				
12/14/2012	WICHITA ALBANY	9,845	9,847.00	6 60.00		12/14/2012				
12/14/2012	WICHITA ALBANY	9,923	9,925.00	6 60.00		12/14/2012				
12/14/2012	WICHITA ALBANY	10,010	10,013.00	6 60.00		12/14/2012				
12/14/2012	WICHITA ALBANY	10,113	10,115.00	6 60.00		12/14/2012				
12/14/2012	WICHITA ALBANY	10,200	10,202.00	6 60.00		12/14/2012				
12/14/2012	WICHITA ALBANY	10,283	10,286.00	6 60.00		12/14/2012				
12/14/2012	WICHITA ALBANY	10,354	10,356.00	6 60.00		12/14/2012				
12/14/2012	WICHITA ALBANY	10,409	10,411.00	6 60.00		12/14/2012				
12/14/2012	WICHITA ALBANY	10,452	10,455.00	6 60.00		12/14/2012				
12/13/2012	WICHITA ALBANY	10,558	10,560.00	6 60.00		12/13/2012				
12/13/2012	WICHITA ALBANY	10,622	10,624.00	6 60.00		12/13/2012				
12/13/2012	WICHITA ALBANY	10,676	10,679.00	6 60.00		12/13/2012				



APACHE CORPORATION

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12/13/2012	WICHITA ALBANY	10,795	10,797.00	6	60.00	12/13/2012
12/13/2012	WICHITA ALBANY	10,871	10,878.00	6	60.00	12/13/2012
12/13/2012	WICHITA ALBANY	10,953	10,956.00	6	60.00	12/13/2012
11/30/2012	WICHITA ALBANY	11,038	11,040.00	6	60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,038	11,040.00	6	60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,038	11,040.00	6	60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,128	11,130.00	6	60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,128	11,130.00	6	60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,128	11,130.00	6	60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,177	11,180.00	6	60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,177	11,180.00	6	60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,177	11,180.00	6	60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,276	11,278.00	6	60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,326	11,328.00	6	60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,391	11,394.00	6	60.00	11/30/2012

Squeeze / Repair / Plugs

Date	From	To	Work Done	Date Report
10/26/2012			PRODUCTION CASING PRIMARY CEMENT	10/27/2012

Directional Information

Initial Deviation	Max Dev	Max Dogleg
2,500	91.3deg at 11,373	12.8 deg at 6,789

Casing / Tubing Information

Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	1,596.00	1,355		-1,725.19	
INTERMEDIATE 1	9.63	40	J-55, HCK-55, K-55	4,711.04	1,550		1,389.34	
PRODUCTION 1	5.50	20, 0	P 110	11,529.96			3,805.70	

BULKS

Product	QTY
	0.0
DIESEL, RIG FUEL	0.0



APACHE CORPORATION

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Daily Land - Orig Comp Report

Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
65506	DRILLING OVERHEAD	4,000	0	0	0	4,000	
70003	BITS, COREHEADS AND REAMERS	30,000	0	0	0	30,000	
70004	CASING CREW	17,000	15,436	0	15,436	1,565	
70006	CEMENT AND CEMENTING SERVICES	110,000	106,927	0	106,927	3,073	
70008	COMMUNICATIONS		450	0	450		
70011	COMPANY SUPERVISION	27,500	5,500	2,500	8,000	19,500	
70017	CONTRACT LABOR	75,000	60,500	9,300	69,800	5,200	
70019	CONTRACT DRILLING-DAY/TURNKEY	155,000	67,092	15,560	82,652	72,348	
70021	CONTRACT SUPERVISION	5,000	5,088	0	5,088	-88	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		7,669	0	7,669		
70026	ELECTRICAL CONTRACT		22,500	0	22,500		
70031	EQUIPMENT RENTAL	300,000	182,887	8,500	191,387	108,613	FRAC TANKS/WELL HEAD
70034	FORMATION STIMULATION	2,800,000	1,302,635	0	1,302,635	1,497,365	
70037	FUEL AND POWER		5,592	0	5,592		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70046	LAND AND SITE RECLAMATION	20,000	0	0	0	20,000	
70049	LOGGING AND WIRELINE	450,000	241,843	0	241,843	208,157	
70054	OTHER INTANGIBLE	140,000	35,780	0	35,780	104,220	
70065	SITE PREPARATION	9,000	0	0	0	9,000	
70069	SNUBBING/COIL TUBING UNIT	60,000	87,990	0	87,990	-27,990	
70074	TRUCKING AND HAULING	200,000	22,616	0	22,616	177,384	
70076	TUBULAR INSPECTION/TESTING	7,500	0	0	0	7,500	
70077	WATER	100,000	10,338	0	10,338	89,662	
Total Intangible Cost		4,510,000	2,180,843	35,860	2,216,703	2,293,297	
71001	ARTIFICIAL LIFT	175,000	0	0	0	175,000	
71012	FLOWLINES TO BATTERY	20,000	0	0	0	20,000	
71026	MCC/ SWITCHGEAR		13,100	0	13,100		
71040	PRODUCTION CASING	249,000	0	0	0	249,000	
71046	SEPARATORS	40,000	0	0	0	40,000	
71051	TANK BATTERY	15,000	0	0	0	15,000	
71053	TUBING	36,000	0	0	0	36,000	
71056	WELLHEAD ASSEMBLY	20,000	9,366	0	9,366	10,634	
Total Tangible Cost		555,000	22,466		22,466	532,534	
Total:		5,065,000	2,203,309	35,860	2,239,169	2,825,831	



APACHE CORPORATION

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Daily Land - Orig Comp Report

WELL NAME THREE BAR SHALLOW UNIT 103H							DATE 12-20-2012			
Operator APACHE CORPORATION		API 4200344227	GL 3,304.00	TMD 11,542.00	TVD	RKB/RT 3,321.00	Working Int % 100.00	Report No 19		
Region PERMIAN		District ANDREWS - TX NCZ		License		Well Supervisor BOBBY CLOUD / MONTE MITCHELL		Engineer / Geologist STEPHEN MARCIL		
Field THREE BAR WICHITA ALBANY		State		County		Event Code LCM		Event Type LAND-ORIG COMP	Objective	
RIG Name UNION 215 /				RIG PHONE NO 281-336-0223		RIG Fax No		Tool Pusher DANNY LAMAN		
AFE #: PA-12-0788-C		AFE Description:								
AFE Costs 5,065,000		Previous Day Cum 2,239,169		Daily Costs 26,280		Cumulative Cost 2,265,449		AFE Remaining 2,799,551		AFE % 44.73
Comment Summary 24 HR Forecast		CIRCULATE CLEAN & POLD 2 7/8" TBG KILL WELL W/MUD & CONTINUE & POLD 2 3/8" TBG & NU FRAC VALVE								
24 HR Operational Comments										
From 07:00AM	To 07:00PM	Duration 12.00	Operation Description CIRCULATED WELL BOTTOMS UP. POLD 212 JTS OF 2 7/8" WORK STRING. LEFT ONE JT IN WIPER RUBBER BECAUSE RUBBER WOULD NOT SEAL ON 2 3/8" SION.							
Actual Perforations										
Date	Zone	From	To	JSPF	Phasing	Comments			Report Date	
12/13/2012									12/13/2012	
12/13/2012									12/13/2012	
12/13/2012									12/13/2012	
12/14/2012									12/14/2012	
12/15/2012	WICHITA ALBANY	7,340	7,342.00	6	60.00				12/15/2012	
12/15/2012	WICHITA ALBANY	7,410	7,412.00	6	60.00				12/15/2012	
12/15/2012	WICHITA ALBANY	7,480	7,483.00	6	60.00				12/15/2012	
12/15/2012	WICHITA ALBANY	7,522	7,524.00	6	60.00				12/15/2012	
12/15/2012	WICHITA ALBANY	7,585	7,587.00	6	60.00				12/15/2012	
12/15/2012	WICHITA ALBANY	7,644	7,647.00	6	60.00				12/15/2012	
12/15/2012	WICHITA ALBANY	7,746	7,748.00	6	60.00				12/15/2012	
12/15/2012	WICHITA ALBANY	7,826	7,828.00	6	60.00				12/15/2012	
12/15/2012	WICHITA ALBANY	7,898	7,901.00	6	60.00				12/15/2012	
12/15/2012	WICHITA ALBANY	7,984	7,986.00	6	60.00				12/15/2012	
12/15/2012	WICHITA ALBANY	8,066	8,068.00	6	60.00				12/15/2012	
12/15/2012	WICHITA ALBANY	8,127	8,130.00	6	60.00				12/15/2012	
12/15/2012	WICHITA ALBANY	8,281	8,282.00	6	60.00				12/15/2012	
12/15/2012	WICHITA ALBANY	8,358	8,360.00	6	60.00				12/15/2012	
12/15/2012	WICHITA ALBANY	8,424	8,427.00	6	60.00				12/15/2012	
12/15/2012	WICHITA ALBANY	8,558	8,560.00	6	60.00				12/15/2012	
12/15/2012	WICHITA ALBANY	8,618	8,620.00	6	60.00				12/15/2012	
12/15/2012	WICHITA ALBANY	8,698	8,671.00	6	60.00				12/15/2012	
12/15/2012	WICHITA ALBANY	9,009	9,011.00	6	60.00				12/15/2012	
12/15/2012	WICHITA ALBANY	9,088	9,090.00	6	60.00				12/15/2012	
12/15/2012	WICHITA ALBANY	9,160	9,163.00	6	60.00				12/15/2012	
12/14/2012	WICHITA ALBANY	9,243	9,245.00	6	60.00				12/14/2012	
12/14/2012	WICHITA ALBANY	9,320	9,322.00	6	60.00				12/14/2012	
12/14/2012	WICHITA ALBANY	9,390	9,393.00	6	60.00				12/14/2012	
12/14/2012	WICHITA ALBANY	9,680	9,683.00	6	60.00				12/14/2012	
12/14/2012	WICHITA ALBANY	9,766	9,770.00	6	60.00				12/14/2012	
12/14/2012	WICHITA ALBANY	9,845	9,847.00	6	60.00				12/14/2012	
12/14/2012	WICHITA ALBANY	9,923	9,925.00	6	60.00				12/14/2012	
12/14/2012	WICHITA ALBANY	10,010	10,013.00	6	60.00				12/14/2012	
12/14/2012	WICHITA ALBANY	10,113	10,115.00	6	60.00				12/14/2012	
12/14/2012	WICHITA ALBANY	10,200	10,202.00	6	60.00				12/14/2012	
12/14/2012	WICHITA ALBANY	10,283	10,286.00	6	60.00				12/14/2012	
12/14/2012	WICHITA ALBANY	10,354	10,356.00	6	60.00				12/14/2012	
12/14/2012	WICHITA ALBANY	10,409	10,411.00	6	60.00				12/14/2012	
12/14/2012	WICHITA ALBANY	10,452	10,455.00	6	60.00				12/14/2012	
12/13/2012	WICHITA ALBANY	10,558	10,560.00	6	60.00				12/13/2012	
12/13/2012	WICHITA ALBANY	10,622	10,624.00	6	60.00				12/13/2012	
12/13/2012	WICHITA ALBANY	10,676	10,679.00	6	60.00				12/13/2012	
12/13/2012	WICHITA ALBANY	10,795	10,797.00	6	60.00				12/13/2012	
12/13/2012	WICHITA ALBANY	10,871	10,878.00	6	60.00				12/13/2012	



APACHE CORPORATION

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12/13/2012	WICHITA ALBANY	10,953	10,956.00	6 60.00	12/13/2012
11/30/2012	WICHITA ALBANY	11,038	11,040.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,038	11,040.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,038	11,040.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,128	11,130.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,128	11,130.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,128	11,130.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,177	11,180.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,177	11,180.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,177	11,180.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,276	11,278.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,326	11,328.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,391	11,394.00	6 60.00	11/30/2012

Squeeze / Repair / Plugs

Date	From	To	Work Done	Date Report
10/26/2012			PRODUCTION CASING PRIMARY CEMENT	10/27/2012

Directional Information

Initial Deviation	Max Dev	Max Dogleg
2,500	91.3deg at 11,373	12.8 deg at 6,789

Casing / Tubing Information

Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	1,596.00	1,355		-1,725.19	
INTERMEDIATE 1	9.63	40	J-55, HCK-55, K-55	4,711.04	1,550		1,389.34	
PRODUCTION 1	5.50	20, 0	P 110	11,529.96			3,805.70	

BULKS

Product	QTY
DIESEL, RIG FUEL	0.0
	0.0



APACHE CORPORATION

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Daily Land - Orig Comp Report

Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
65506	DRILLING OVERHEAD	4,000	0	0	0	4,000	
70003	BITS, COREHEADS AND REAMERS	30,000	0	0	0	30,000	
70004	CASING CREW	17,000	15,436	0	15,436	1,565	
70006	CEMENT AND CEMENTING SERVICES	110,000	106,927	0	106,927	3,073	
70008	COMMUNICATIONS		450	0	450		
70011	COMPANY SUPERVISION	27,500	8,000	2,500	10,500	17,000	
70017	CONTRACT LABOR	75,000	69,800	9,300	79,100	-4,100	
70019	CONTRACT DRILLING-DAY/TURNKEY	155,000	82,652	6,480	89,132	65,868	
70021	CONTRACT SUPERVISION	5,000	5,088	0	5,088	-88	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		7,669	0	7,669		
70026	ELECTRICAL CONTRACT		22,500	0	22,500		
70031	EQUIPMENT RENTAL	300,000	191,387	8,000	199,387	100,613	FRAC TANKS/WELL HEAD
70034	FORMATION STIMULATION	2,800,000	1,302,635	0	1,302,635	1,497,365	
70037	FUEL AND POWER		5,592	0	5,592		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70046	LAND AND SITE RECLAMATION	20,000	0	0	0	20,000	
70049	LOGGING AND WIRELINE	450,000	241,843	0	241,843	208,157	
70054	OTHER INTANGIBLE	140,000	35,780	0	35,780	104,220	
70065	SITE PREPARATION	9,000	0	0	0	9,000	
70069	SNUBBING/COIL TUBING UNIT	60,000	87,990	0	87,990	-27,990	
70074	TRUCKING AND HAULING	200,000	22,616	0	22,616	177,384	
70076	TUBULAR INSPECTION/TESTING	7,500	0	0	0	7,500	
70077	WATER	100,000	10,338	0	10,338	89,662	
Total Intangible Cost		4,510,000	2,216,703	26,280	2,242,983	2,267,017	
71001	ARTIFICIAL LIFT	175,000	0	0	0	175,000	
71012	FLOWLINES TO BATTERY	20,000	0	0	0	20,000	
71026	MCC/ SWITCHGEAR		13,100	0	13,100		
71040	PRODUCTION CASING	249,000	0	0	0	249,000	
71046	SEPARATORS	40,000	0	0	0	40,000	
71051	TANK BATTERY	15,000	0	0	0	15,000	
71053	TUBING	36,000	0	0	0	36,000	
71056	WELLHEAD ASSEMBLY	20,000	9,366	0	9,366	10,634	
Total Tangible Cost		555,000	22,466		22,466	532,534	
Total:		5,065,000	2,239,169	26,280	2,265,449	2,799,551	



APACHE CORPORATION

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Daily Land - Orig Comp Report

WELL NAME THREE BAR SHALLOW UNIT 103H							DATE 01-08-2013	
Operator APACHE CORPORATION		API 4200344227	GL 3,304.00	TMD 11,542.00	TVD	RKB/RT 3,321.00	Working Int % 100.00	Report No 23
Region PERMIAN		District ANDREWS - TX NCZ	License		Well Supervisor BOBBY CLOUD / JOE BIZZELL / MONTE MITCHELL		Engineer / Geologist STEPHEN MARCIL	
Field THREE BAR WICHITA ALB		State		County	Event Code LCM	Event Type LAND-ORIG COMP		Objective
RIG Name			RIG PHONE NO		RIG Fax No		Tool Pusher	
AFE #: PA-12-0788-C		AFE Description:						
AFE Costs 5,065,000		Previous Day Cum 2,470,339		Daily Costs 2,300	Cumulative Cost 2,472,639	AFE Remaining 2,592,361		AFE % 48.82
Comment Summary 24 HR Forecast		MIRU PREP TO TIH W/ PRODUCTION TBG. TIH W/PRODUCTION TBG POOH STAND BACK PREP TO RUN ESP						
24 HR Operational Comments								
From 03:00PM	To 05:00PM	Duration 2.00	Operation Description MIRU PREP TO TIH W/ PRODUCTION TBG.					
Actual Perforations								
Date	Zone	From	To	JSPF Phasing	Comments		Report Date	
12/13/2012							12/13/2012	
12/13/2012							12/13/2012	
12/13/2012							12/13/2012	
12/14/2012							12/14/2012	
12/15/2012	WICHITA ALBANY	7,340	7,342.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,410	7,412.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,480	7,483.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,522	7,524.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,585	7,587.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,644	7,647.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,746	7,748.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,826	7,828.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,898	7,901.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,984	7,986.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	8,066	8,068.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	8,127	8,130.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	8,281	8,282.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	8,358	8,360.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	8,424	8,427.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	8,558	8,560.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	8,618	8,620.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	8,698	8,671.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	9,009	9,011.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	9,088	9,090.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	9,160	9,163.00	6 60.00			12/15/2012	
12/14/2012	WICHITA ALBANY	9,243	9,245.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	9,320	9,322.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	9,390	9,393.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	9,680	9,683.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	9,766	9,770.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	9,845	9,847.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	9,923	9,925.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	10,010	10,013.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	10,113	10,115.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	10,200	10,202.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	10,283	10,286.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	10,354	10,356.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	10,409	10,411.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	10,452	10,455.00	6 60.00			12/14/2012	
12/13/2012	WICHITA ALBANY	10,558	10,560.00	6 60.00			12/13/2012	
12/13/2012	WICHITA ALBANY	10,622	10,624.00	6 60.00			12/13/2012	
12/13/2012	WICHITA ALBANY	10,676	10,679.00	6 60.00			12/13/2012	
12/13/2012	WICHITA ALBANY	10,795	10,797.00	6 60.00			12/13/2012	
12/13/2012	WICHITA ALBANY	10,871	10,878.00	6 60.00			12/13/2012	
12/13/2012	WICHITA ALBANY	10,953	10,956.00	6 60.00			12/13/2012	



APACHE CORPORATION

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11/30/2012	WICHITA ALBANY	11,038	11,040.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,038	11,040.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,038	11,040.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,128	11,130.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,128	11,130.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,128	11,130.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,177	11,180.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,177	11,180.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,177	11,180.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,276	11,278.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,326	11,328.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,391	11,394.00	6 60.00	11/30/2012

Squeeze / Repair / Plugs

Date	From	To	Work Done	Date Report
10/26/2012			PRODUCTION CASING PRIMARY CEMENT	10/27/2012

Directional Information

Initial Deviation	Max Dev	Max Dogleg
2,500	91.3deg at 11,373	12.8 deg at 6,789

Casing / Tubing Information

Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	1,596.00	1,355		-1,725.19	
INTERMEDIATE 1	9.63	40	J-55, HCK-55, K-55	4,711.04	1,550		1,389.34	
PRODUCTION 1	5.50	20, 0	P 110	11,529.96			3,805.70	

BULKS

Product	QTY
	0.0
DIESEL, RIG FUEL	0.0



APACHE CORPORATION

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Daily Land - Orig Comp Report

Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
65506	DRILLING OVERHEAD	4,000	0	0	0	4,000	
70003	BITS, COREHEADS AND REAMERS	30,000	0	0	0	30,000	
70004	CASING CREW	17,000	15,436	0	15,436	1,565	
70006	CEMENT AND CEMENTING SERVICES	110,000	106,927	0	106,927	3,073	
70008	COMMUNICATIONS		450	0	450		
70011	COMPANY SUPERVISION	27,500	14,500	500	15,000	12,500	BOBBY C.
70017	CONTRACT LABOR	75,000	110,320	0	110,320	-35,320	
70019	CONTRACT DRILLING-DAY/TURNKEY	155,000	92,812	850	93,662	61,338	SCOTT'S FISHING
70021	CONTRACT SUPERVISION	5,000	5,088	0	5,088	-88	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		7,669	0	7,669		
70026	ELECTRICAL CONTRACT		22,800	0	22,800		
70031	EQUIPMENT RENTAL	300,000	207,187	950	208,137	91,863	BOP RACK, MAT
70034	FORMATION STIMULATION	2,800,000	1,302,635	0	1,302,635	1,497,365	
70037	FUEL AND POWER		5,592	0	5,592		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70046	LAND AND SITE RECLAMATION	20,000	0	0	0	20,000	
70049	LOGGING AND WIRELINE	450,000	241,843	0	241,843	208,157	
70054	OTHER INTANGIBLE	140,000	35,780	0	35,780	104,220	
70065	SITE PREPARATION	9,000	0	0	0	9,000	
70069	SNUBBING/COIL TUBING UNIT	60,000	87,990	0	87,990	-27,990	
70074	TRUCKING AND HAULING	200,000	180,506	0	180,506	19,494	
70076	TUBULAR INSPECTION/TESTING	7,500	0	0	0	7,500	
70077	WATER	100,000	10,338	0	10,338	89,662	
Total Intangible Cost		4,510,000	2,447,873	2,300	2,450,173	2,059,827	
71001	ARTIFICIAL LIFT	175,000	0	0	0	175,000	
71012	FLOWLINES TO BATTERY	20,000	0	0	0	20,000	
71026	MCC/ SWITCHGEAR		13,100	0	13,100		
71040	PRODUCTION CASING	249,000	0	0	0	249,000	
71046	SEPARATORS	40,000	0	0	0	40,000	
71051	TANK BATTERY	15,000	0	0	0	15,000	
71053	TUBING	36,000	0	0	0	36,000	
71056	WELLHEAD ASSEMBLY	20,000	9,366	0	9,366	10,634	
Total Tangible Cost		555,000	22,466		22,466	532,534	
Total:		5,065,000	2,470,339	2,300	2,472,639	2,592,361	



APACHE CORPORATION

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Daily Land - Orig Comp Report

WELL NAME THREE BAR SHALLOW UNIT 103H							DATE 01-09-2013		
Operator APACHE CORPORATION		API 4200344227	GL 3,304.00	TMD 11,542.00	TVD	RKB/RT 3,321.00	Working Int % 100.00	Report No 24	
Region PERMIAN		District ANDREWS - TX NCZ		License		Well Supervisor BOBBY CLOUD / JOE BIZZELL / MONTE MITCHELL		Engineer / Geologist STEPHEN MARCIL	
Field THREE BAR WICHITA ALB		State		County		Event Code LCM		Event Type LAND-ORIG COMP	Objective
RIG Name				RIG PHONE NO		RIG Fax No		Tool Pusher	
AFE #: PA-12-0788-C		AFE Description:							
AFE Costs 5,065,000		Previous Day Cum 2,472,639		Daily Costs 25,000		Cumulative Cost 2,497,639		AFE Remaining 2,567,361	AFE % 49.31
Comment Summary 24 HR Forecast		BLED WELL DN, KILL W/BRINE. CHANGE OUT W.H FROM 10 TO 5K. MADE DECISION TO RUN ROD PUMP W/900 SERIES ROTAFLEX RIH W/PROD TBG.							
24 HR Operational Comments									
From 06:30AM	To 05:30PM	Duration 11.00	Operation Description BLED WELL DN, KILL W/BRINE. CHANGE OUT W.H FROM 10 TO 5K. MADE DECISION TO RUN ROD PUMP W/900 SERIES ROTAFLEX. HAD MIS-COMMUNICATION W/PRADON ON DELIVERY OF TBG. TBG ARRIIVING LATE OR IN THE AM.						
Actual Perforations									
Date	Zone	From	To	JSPF Phasing	Comments				Report Date
12/13/2012									12/13/2012
12/13/2012									12/13/2012
12/13/2012									12/13/2012
12/14/2012									12/14/2012
12/15/2012	WICHITA ALBANY	7,340	7,342.00	6 60.00					12/15/2012
12/15/2012	WICHITA ALBANY	7,410	7,412.00	6 60.00					12/15/2012
12/15/2012	WICHITA ALBANY	7,480	7,483.00	6 60.00					12/15/2012
12/15/2012	WICHITA ALBANY	7,522	7,524.00	6 60.00					12/15/2012
12/15/2012	WICHITA ALBANY	7,585	7,587.00	6 60.00					12/15/2012
12/15/2012	WICHITA ALBANY	7,644	7,647.00	6 60.00					12/15/2012
12/15/2012	WICHITA ALBANY	7,746	7,748.00	6 60.00					12/15/2012
12/15/2012	WICHITA ALBANY	7,826	7,828.00	6 60.00					12/15/2012
12/15/2012	WICHITA ALBANY	7,898	7,901.00	6 60.00					12/15/2012
12/15/2012	WICHITA ALBANY	7,984	7,986.00	6 60.00					12/15/2012
12/15/2012	WICHITA ALBANY	8,066	8,068.00	6 60.00					12/15/2012
12/15/2012	WICHITA ALBANY	8,127	8,130.00	6 60.00					12/15/2012
12/15/2012	WICHITA ALBANY	8,281	8,282.00	6 60.00					12/15/2012
12/15/2012	WICHITA ALBANY	8,358	8,360.00	6 60.00					12/15/2012
12/15/2012	WICHITA ALBANY	8,424	8,427.00	6 60.00					12/15/2012
12/15/2012	WICHITA ALBANY	8,558	8,560.00	6 60.00					12/15/2012
12/15/2012	WICHITA ALBANY	8,618	8,620.00	6 60.00					12/15/2012
12/15/2012	WICHITA ALBANY	8,698	8,671.00	6 60.00					12/15/2012
12/15/2012	WICHITA ALBANY	9,009	9,011.00	6 60.00					12/15/2012
12/15/2012	WICHITA ALBANY	9,088	9,090.00	6 60.00					12/15/2012
12/15/2012	WICHITA ALBANY	9,160	9,163.00	6 60.00					12/15/2012
12/14/2012	WICHITA ALBANY	9,243	9,245.00	6 60.00					12/14/2012
12/14/2012	WICHITA ALBANY	9,320	9,322.00	6 60.00					12/14/2012
12/14/2012	WICHITA ALBANY	9,390	9,393.00	6 60.00					12/14/2012
12/14/2012	WICHITA ALBANY	9,680	9,683.00	6 60.00					12/14/2012
12/14/2012	WICHITA ALBANY	9,766	9,770.00	6 60.00					12/14/2012
12/14/2012	WICHITA ALBANY	9,845	9,847.00	6 60.00					12/14/2012
12/14/2012	WICHITA ALBANY	9,923	9,925.00	6 60.00					12/14/2012
12/14/2012	WICHITA ALBANY	10,010	10,013.00	6 60.00					12/14/2012
12/14/2012	WICHITA ALBANY	10,113	10,115.00	6 60.00					12/14/2012
12/14/2012	WICHITA ALBANY	10,200	10,202.00	6 60.00					12/14/2012
12/14/2012	WICHITA ALBANY	10,283	10,286.00	6 60.00					12/14/2012
12/14/2012	WICHITA ALBANY	10,354	10,356.00	6 60.00					12/14/2012
12/14/2012	WICHITA ALBANY	10,409	10,411.00	6 60.00					12/14/2012
12/14/2012	WICHITA ALBANY	10,452	10,455.00	6 60.00					12/14/2012
12/13/2012	WICHITA ALBANY	10,558	10,560.00	6 60.00					12/13/2012
12/13/2012	WICHITA ALBANY	10,622	10,624.00	6 60.00					12/13/2012
12/13/2012	WICHITA ALBANY	10,676	10,679.00	6 60.00					12/13/2012
12/13/2012	WICHITA ALBANY	10,795	10,797.00	6 60.00					12/13/2012
12/13/2012	WICHITA ALBANY	10,871	10,878.00	6 60.00					12/13/2012



APACHE CORPORATION

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Daily Land - Orig Comp Report

12/13/2012	WICHITA ALBANY	10,953	10,956.00	6 60.00	12/13/2012
11/30/2012	WICHITA ALBANY	11,038	11,040.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,038	11,040.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,038	11,040.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,128	11,130.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,128	11,130.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,128	11,130.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,177	11,180.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,177	11,180.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,177	11,180.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,276	11,278.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,326	11,328.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,391	11,394.00	6 60.00	11/30/2012

Squeeze / Repair / Plugs

Date	From	To	Work Done	Date Report
10/26/2012			PRODUCTION CASING PRIMARY CEMENT	10/27/2012

Directional Information

Initial Deviation	Max Dev	Max Dogleg
2,500	91.3deg at 11,373	12.8 deg at 6,789

Casing / Tubing Information

Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	1,596.00	1,355		-1,725.19	
INTERMEDIATE 1	9.63	40	J-55, HCK-55, K-55	4,711.04	1,550		1,389.34	
PRODUCTION 1	5.50	20, 0	P 110	11,529.96			3,805.70	

BULKS

Product	QTY
DIESEL, RIG FUEL	0.0
	0.0



APACHE CORPORATION

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Daily Land - Orig Comp Report

Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
65506	DRILLING OVERHEAD	4,000	0	0	0	4,000	
70003	BITS, COREHEADS AND REAMERS	30,000	0	0	0	30,000	
70004	CASING CREW	17,000	15,436	0	15,436	1,565	
70006	CEMENT AND CEMENTING SERVICES	110,000	106,927	0	106,927	3,073	
70008	COMMUNICATIONS		450	0	450		
70011	COMPANY SUPERVISION	27,500	15,000	500	15,500	12,000	BOBBY C.
70017	CONTRACT LABOR	75,000	110,320	20,000	130,320	-55,320	FLOW CREW
70019	CONTRACT DRILLING-DAY/TURNKEY	155,000	93,662	3,550	97,212	57,788	SCOTT'S FISHING
70021	CONTRACT SUPERVISION	5,000	5,088	0	5,088	-88	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		7,669	0	7,669		
70026	ELECTRICAL CONTRACT		22,800	0	22,800		
70031	EQUIPMENT RENTAL	300,000	208,137	950	209,087	90,913	BOP RACK, MAT
70034	FORMATION STIMULATION	2,800,000	1,302,635	0	1,302,635	1,497,365	
70037	FUEL AND POWER		5,592	0	5,592		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70046	LAND AND SITE RECLAMATION	20,000	0	0	0	20,000	
70049	LOGGING AND WIRELINE	450,000	241,843	0	241,843	208,157	
70054	OTHER INTANGIBLE	140,000	35,780	0	35,780	104,220	
70065	SITE PREPARATION	9,000	0	0	0	9,000	
70069	SNUBBING/COIL TUBING UNIT	60,000	87,990	0	87,990	-27,990	
70074	TRUCKING AND HAULING	200,000	180,506	0	180,506	19,494	
70076	TUBULAR INSPECTION/TESTING	7,500	0	0	0	7,500	
70077	WATER	100,000	10,338	0	10,338	89,662	
Total Intangible Cost		4,510,000	2,450,173	25,000	2,475,173	2,034,827	
71001	ARTIFICIAL LIFT	175,000	0	0	0	175,000	
71012	FLOWLINES TO BATTERY	20,000	0	0	0	20,000	
71026	MCC/ SWITCHGEAR		13,100	0	13,100		
71040	PRODUCTION CASING	249,000	0	0	0	249,000	
71046	SEPARATORS	40,000	0	0	0	40,000	
71051	TANK BATTERY	15,000	0	0	0	15,000	
71053	TUBING	36,000	0	0	0	36,000	
71056	WELLHEAD ASSEMBLY	20,000	9,366	0	9,366	10,634	
Total Tangible Cost		555,000	22,466		22,466	532,534	
Total:		5,065,000	2,472,639	25,000	2,497,639	2,567,361	



APACHE CORPORATION

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WELL NAME THREE BAR SHALLOW UNIT 103H							DATE 01-10-2013		
Operator APACHE CORPORATION		API 4200344227	GL 3,304.00	TMD 11,542.00	TVD	RKB/RT 3,321.00	Working Int % 100.00	Report No 25	
Region PERMIAN		District ANDREWS - TX NCZ		License		Well Supervisor BOBBY CLOUD / JOE BIZZELL / MONTE MITCHELL		Engineer / Geologist STEPHEN MARCIL	
Field THREE BAR WICHITA ALBANY		State		County		Event Code LCM		Event Type LAND-ORIG COMP	Objective
RIG Name				RIG PHONE NO		RIG Fax No		Tool Pusher	
AFE #: PA-12-0788-C		AFE Description:							
AFE Costs 5,065,000		Previous Day Cum 2,497,639		Daily Costs 79,050		Cumulative Cost 2,576,689		AFE Remaining 2,488,311	AFE % 50.87
Comment Summary 24 HR Forecast		WELL HAD 500#, BLED OFF PUMP BRINE. PU MOTHER HUBBARD ASSEMBLY, SN, 2-JTS 2 7/8" ENDURA ALLOY, TIH ON TBG, TAC AND TOP W/TBG RIH W/2" PUMP AND RODS.							
24 HR Operational Comments									
From 06:30AM	To 06:00PM	Duration 11.50	Operation Description WELL HAD 500#, BLED OFF PUMP BRINE. PU MOTHER HUBBARD ASSEMBLY, SN, 2-JTS 2 7/8" ENDURA ALLOY, TIH ON TBG, TAC AND TOP W/TBG. EOT (MOTHER HUBBARD IS AT 6492'). ND BOP NU W.H PREP TO RUN PUMP & RODS						
Actual Perforations									
Date	Zone	From	To	JSPF	Phasing	Comments		Report Date	
12/13/2012								12/13/2012	
12/13/2012								12/13/2012	
12/13/2012								12/13/2012	
12/14/2012								12/14/2012	
12/15/2012	WICHITA ALBANY	7,340	7,342.00	6	60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,410	7,412.00	6	60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,480	7,483.00	6	60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,522	7,524.00	6	60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,585	7,587.00	6	60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,644	7,647.00	6	60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,746	7,748.00	6	60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,826	7,828.00	6	60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,898	7,901.00	6	60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,984	7,986.00	6	60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	8,066	8,068.00	6	60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	8,127	8,130.00	6	60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	8,281	8,282.00	6	60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	8,358	8,360.00	6	60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	8,424	8,427.00	6	60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	8,558	8,560.00	6	60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	8,618	8,620.00	6	60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	8,698	8,671.00	6	60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	9,009	9,011.00	6	60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	9,088	9,090.00	6	60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	9,160	9,163.00	6	60.00			12/15/2012	
12/14/2012	WICHITA ALBANY	9,243	9,245.00	6	60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	9,320	9,322.00	6	60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	9,390	9,393.00	6	60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	9,680	9,683.00	6	60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	9,766	9,770.00	6	60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	9,845	9,847.00	6	60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	9,923	9,925.00	6	60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	10,010	10,013.00	6	60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	10,113	10,115.00	6	60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	10,200	10,202.00	6	60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	10,283	10,286.00	6	60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	10,354	10,356.00	6	60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	10,409	10,411.00	6	60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	10,452	10,455.00	6	60.00			12/14/2012	
12/13/2012	WICHITA ALBANY	10,558	10,560.00	6	60.00			12/13/2012	
12/13/2012	WICHITA ALBANY	10,622	10,624.00	6	60.00			12/13/2012	
12/13/2012	WICHITA ALBANY	10,676	10,679.00	6	60.00			12/13/2012	
12/13/2012	WICHITA ALBANY	10,795	10,797.00	6	60.00			12/13/2012	
12/13/2012	WICHITA ALBANY	10,871	10,878.00	6	60.00			12/13/2012	



APACHE CORPORATION

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12/13/2012	WICHITA ALBANY	10,953	10,956.00	6 60.00	12/13/2012
11/30/2012	WICHITA ALBANY	11,038	11,040.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,038	11,040.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,038	11,040.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,128	11,130.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,128	11,130.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,128	11,130.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,177	11,180.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,177	11,180.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,177	11,180.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,276	11,278.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,326	11,328.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,391	11,394.00	6 60.00	11/30/2012

Squeeze / Repair / Plugs

Date	From	To	Work Done	Date Report
10/26/2012			PRODUCTION CASING PRIMARY CEMENT	10/27/2012

Directional Information

Initial Deviation	Max Dev	Max Dogleg
2,500	91.3deg at 11,373	12.8 deg at 6,789

Casing / Tubing Information

Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	1,596.00	1,355		-1,725.19	
INTERMEDIATE 1	9.63	40	J-55, HCK-55, K-55	4,711.04	1,550		1,389.34	
PRODUCTION 1	5.50	20, 0	P 110	11,529.96			3,805.70	

BULKS

Product	QTY
DIESEL, RIG FUEL	0.0
	0.0



APACHE CORPORATION

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Daily Land - Orig Comp Report

Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
65506	DRILLING OVERHEAD	4,000	0	0	0	4,000	
70003	BITS, COREHEADS AND REAMERS	30,000	0	0	0	30,000	
70004	CASING CREW	17,000	15,436	0	15,436	1,565	
70006	CEMENT AND CEMENTING SERVICES	110,000	106,927	0	106,927	3,073	
70008	COMMUNICATIONS		450	0	450		
70011	COMPANY SUPERVISION	27,500	15,500	500	16,000	11,500	BOBBY C.
70017	CONTRACT LABOR	75,000	130,320	0	130,320	-55,320	
70019	CONTRACT DRILLING-DAY/TURNKEY	155,000	97,212	3,550	100,762	54,238	SCOTT'S FISHING
70021	CONTRACT SUPERVISION	5,000	5,088	0	5,088	-88	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		7,669	0	7,669		
70026	ELECTRICAL CONTRACT		22,800	0	22,800		
70031	EQUIPMENT RENTAL	300,000	209,087	950	210,037	89,963	BOP RACK, MAT
70034	FORMATION STIMULATION	2,800,000	1,302,635	0	1,302,635	1,497,365	
70037	FUEL AND POWER		5,592	0	5,592		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70046	LAND AND SITE RECLAMATION	20,000	0	0	0	20,000	
70049	LOGGING AND WIRELINE	450,000	241,843	0	241,843	208,157	
70054	OTHER INTANGIBLE	140,000	35,780	0	35,780	104,220	
70065	SITE PREPARATION	9,000	0	0	0	9,000	
70069	SNUBBING/COIL TUBING UNIT	60,000	87,990	0	87,990	-27,990	
70074	TRUCKING AND HAULING	200,000	180,506	0	180,506	19,494	
70076	TUBULAR INSPECTION/TESTING	7,500	0	0	0	7,500	
70077	WATER	100,000	10,338	250	10,588	89,412	BRINE
Total Intangible Cost		4,510,000	2,475,173	5,250	2,480,423	2,029,577	
71001	ARTIFICIAL LIFT	175,000	0	18,700	18,700	156,300	
71012	FLOWLINES TO BATTERY	20,000	0	0	0	20,000	
71026	MCC/ SWITCHGEAR		13,100	0	13,100		
71040	PRODUCTION CASING	249,000	0	0	0	249,000	
71046	SEPARATORS	40,000	0	0	0	40,000	
71051	TANK BATTERY	15,000	0	0	0	15,000	
71053	TUBING	36,000	0	53,850	53,850	-17,850	
71056	WELLHEAD ASSEMBLY	20,000	9,366	1,250	10,616	9,384	
Total Tangible Cost		555,000	22,466	73,800	96,266	458,734	
Total:		5,065,000	2,497,639	79,050	2,576,689	2,488,311	



APACHE CORPORATION

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Daily Land - Orig Comp Report

WELL NAME THREE BAR SHALLOW UNIT 103H							DATE 01-31-2013	
Operator APACHE CORPORATION		API 4200344227	GL 3,304.00	TMD 11,542.00	TVD	RKB/RT 3,321.00	Working Int % 100.00	Report No 29
Region PERMIAN		District ANDREWS - TX NCZ	License		Well Supervisor BOBBY CLOUD / JOE BIZZELL / MONTE MITCHELL		Engineer / Geologist STEPHEN MARCIL	
Field THREE BAR WICHITA ALBANY		State	County	Event Code LCM	Event Type LAND-ORIG COMP		Objective	
RIG Name			RIG PHONE NO		RIG Fax No		Tool Pusher	
AFE #: PA-12-0788-C		AFE Description:						
AFE Costs 5,065,000		Previous Day Cum 2,736,440		Daily Costs 4,210	Cumulative Cost 2,740,650	AFE Remaining 2,324,350		AFE % 54.11
Comment Summary 24 HR Forecast		RIH W/ PUMP & RODS WELL ON PRODUCTION						
24 HR Operational Comments								
From 07:00AM	To 05:00PM	Duration 10.00	Operation Description RIH W/ PUMP W/ NO KNOCK TOOL & SPACED WELL OUT LOAD & TEST TO 600 PSI HOLDS GOOD & RU DN ROLL ROTA FLEX UP & HANG WELL ON. UNIT WILL NOT RUN ON POC SWITCH TO HAND & WELL PUMPING					
Actual Perforations								
Date	Zone	From	To	JSPF Phasing	Comments		Report Date	
12/13/2012							12/13/2012	
12/13/2012							12/13/2012	
12/13/2012							12/13/2012	
12/14/2012							12/14/2012	
12/15/2012	WICHITA ALBANY	7,340	7,342.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,410	7,412.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,480	7,483.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,522	7,524.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,585	7,587.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,644	7,647.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,746	7,748.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,826	7,828.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,898	7,901.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,984	7,986.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	8,066	8,068.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	8,127	8,130.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	8,281	8,282.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	8,358	8,360.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	8,424	8,427.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	8,558	8,560.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	8,618	8,620.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	8,698	8,671.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	9,009	9,011.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	9,088	9,090.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	9,160	9,163.00	6 60.00			12/15/2012	
12/14/2012	WICHITA ALBANY	9,243	9,245.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	9,320	9,322.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	9,390	9,393.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	9,680	9,683.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	9,766	9,770.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	9,845	9,847.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	9,923	9,925.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	10,010	10,013.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	10,113	10,115.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	10,200	10,202.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	10,283	10,286.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	10,354	10,356.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	10,409	10,411.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	10,452	10,455.00	6 60.00			12/14/2012	
12/13/2012	WICHITA ALBANY	10,558	10,560.00	6 60.00			12/13/2012	
12/13/2012	WICHITA ALBANY	10,622	10,624.00	6 60.00			12/13/2012	
12/13/2012	WICHITA ALBANY	10,676	10,679.00	6 60.00			12/13/2012	
12/13/2012	WICHITA ALBANY	10,795	10,797.00	6 60.00			12/13/2012	
12/13/2012	WICHITA ALBANY	10,871	10,878.00	6 60.00			12/13/2012	



APACHE CORPORATION

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12/13/2012	WICHITA ALBANY	10,953	10,956.00	6 60.00	12/13/2012
11/30/2012	WICHITA ALBANY	11,038	11,040.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,038	11,040.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,038	11,040.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,128	11,130.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,128	11,130.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,128	11,130.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,177	11,180.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,177	11,180.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,177	11,180.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,276	11,278.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,326	11,328.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,391	11,394.00	6 60.00	11/30/2012

Squeeze / Repair / Plugs

Date	From	To	Work Done	Date Report
10/26/2012			PRODUCTION CASING PRIMARY CEMENT	10/27/2012

Directional Information

Initial Deviation	Max Dev	Max Dogleg
2,500	91.3deg at 11,373	12.8 deg at 6,789

Casing / Tubing Information

Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	1,596.00	1,355		-1,725.19	
INTERMEDIATE 1	9.63	40	J-55, HCK-55, K-55	4,711.04	1,550		1,389.34	
PRODUCTION 1	5.50	20, 0	P 110	11,529.96			3,805.70	

BULKS

Product	QTY
DIESEL, RIG FUEL	0.0
	0.0



APACHE CORPORATION

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Daily Land - Orig Comp Report

Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
65506	DRILLING OVERHEAD	4,000	0	0	0	4,000	
70003	BITS, COREHEADS AND REAMERS	30,000	0	0	0	30,000	
70004	CASING CREW	17,000	15,436	0	15,436	1,565	
70006	CEMENT AND CEMENTING SERVICES	110,000	106,927	0	106,927	3,073	
70008	COMMUNICATIONS		450	0	450		
70011	COMPANY SUPERVISION	27,500	17,500	500	18,000	9,500	BOBBY C.
70017	CONTRACT LABOR	75,000	131,120	0	131,120	-56,120	
70019	CONTRACT DRILLING-DAY/TURNKEY	155,000	110,832	3,260	114,092	40,908	SCOTT'S FISHING
70021	CONTRACT SUPERVISION	5,000	5,088	0	5,088	-88	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		7,669	0	7,669		
70026	ELECTRICAL CONTRACT		22,800	0	22,800		
70031	EQUIPMENT RENTAL	300,000	223,887	450	224,337	75,663	TANKS, BOP, MAT, RACK
70034	FORMATION STIMULATION	2,800,000	1,302,635	0	1,302,635	1,497,365	
70037	FUEL AND POWER		5,592	0	5,592		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70046	LAND AND SITE RECLAMATION	20,000	0	0	0	20,000	
70049	LOGGING AND WIRELINE	450,000	241,843	0	241,843	208,157	
70054	OTHER INTANGIBLE	140,000	35,780	0	35,780	104,220	
70065	SITE PREPARATION	9,000	0	0	0	9,000	
70069	SNUBBING/COIL TUBING UNIT	60,000	87,990	0	87,990	-27,990	
70074	TRUCKING AND HAULING	200,000	199,587	0	199,587	413	
70076	TUBULAR INSPECTION/TESTING	7,500	0	0	0	7,500	
70077	WATER	100,000	10,588	0	10,588	89,412	
Total Intangible Cost		4,510,000	2,525,724	4,210	2,529,934	1,980,066	
71001	ARTIFICIAL LIFT	175,000	132,200	0	132,200	42,800	
71012	FLOWLINES TO BATTERY	20,000	0	0	0	20,000	
71026	MCC/ SWITCHGEAR		13,100	0	13,100		
71040	PRODUCTION CASING	249,000	0	0	0	249,000	
71046	SEPARATORS	40,000	0	0	0	40,000	
71051	TANK BATTERY	15,000	0	0	0	15,000	
71053	TUBING	36,000	53,850	0	53,850	-17,850	
71056	WELLHEAD ASSEMBLY	20,000	11,566	0	11,566	8,434	
Total Tangible Cost		555,000	210,716		210,716	344,284	
Total:		5,065,000	2,736,440	4,210	2,740,650	2,324,350	



APACHE CORPORATION

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Daily Land - Orig Comp Report

WELL NAME THREE BAR SHALLOW UNIT 103H							DATE 02-06-2013	
Operator APACHE CORPORATION		API 4200344227	GL 3,304.00	TMD 11,542.00	TVD	RKB/RT 3,321.00	Working Int % 100.00	Report No 30
Region PERMIAN		District ANDREWS - TX NCZ	License		Well Supervisor BOBBY CLOUD / STAN SHUMAKER		Engineer / Geologist STEPHEN MARCIL	
Field THREE BAR WICHITA ALB		State		County	Event Code LCM	Event Type LAND-ORIG COMP		Objective
RIG Name			RIG PHONE NO		RIG Fax No		Tool Pusher	
AFE #: PA-12-0788-C		AFE Description:						
AFE Costs 5,065,000		Previous Day Cum 2,872,900		Daily Costs 354,244	Cumulative Cost 3,227,144	AFE Remaining 1,837,856		AFE % 63.71
Comment Summary 24 HR Forecast		COST UPDATE						
Actual Perforations								
Date	Zone	From	To	JSPF Phasing	Comments		Report Date	
12/13/2012							12/13/2012	
12/13/2012							12/13/2012	
12/13/2012							12/13/2012	
12/14/2012							12/14/2012	
12/15/2012	WICHITA ALBANY	7,340	7,342.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,410	7,412.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,480	7,483.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,522	7,524.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,585	7,587.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,644	7,647.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,746	7,748.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,826	7,828.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,898	7,901.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,984	7,986.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	8,066	8,068.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	8,127	8,130.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	8,281	8,282.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	8,358	8,360.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	8,424	8,427.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	8,558	8,560.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	8,618	8,620.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	8,698	8,671.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	9,009	9,011.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	9,088	9,090.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	9,160	9,163.00	6 60.00			12/15/2012	
12/14/2012	WICHITA ALBANY	9,243	9,245.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	9,320	9,322.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	9,390	9,393.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	9,680	9,683.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	9,766	9,770.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	9,845	9,847.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	9,923	9,925.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	10,010	10,013.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	10,113	10,115.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	10,200	10,202.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	10,283	10,286.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	10,354	10,356.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	10,409	10,411.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	10,452	10,455.00	6 60.00			12/14/2012	
12/13/2012	WICHITA ALBANY	10,558	10,560.00	6 60.00			12/13/2012	
12/13/2012	WICHITA ALBANY	10,622	10,624.00	6 60.00			12/13/2012	
12/13/2012	WICHITA ALBANY	10,676	10,679.00	6 60.00			12/13/2012	
12/13/2012	WICHITA ALBANY	10,795	10,797.00	6 60.00			12/13/2012	
12/13/2012	WICHITA ALBANY	10,871	10,878.00	6 60.00			12/13/2012	
12/13/2012	WICHITA ALBANY	10,953	10,956.00	6 60.00			12/13/2012	
11/30/2012	WICHITA ALBANY	11,038	11,040.00	6 60.00			11/30/2012	
11/30/2012	WICHITA ALBANY	11,038	11,040.00	6 60.00			11/30/2012	
11/30/2012	WICHITA ALBANY	11,038	11,040.00	6 60.00			11/30/2012	
11/30/2012	WICHITA ALBANY	11,128	11,130.00	6 60.00			11/30/2012	



APACHE CORPORATION

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11/30/2012	WICHITA ALBANY	11,128	11,130.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,128	11,130.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,177	11,180.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,177	11,180.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,177	11,180.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,276	11,278.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,326	11,328.00	6 60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,391	11,394.00	6 60.00	11/30/2012

Squeeze / Repair / Plugs

Date	From	To	Work Done	Date Report
10/26/2012			PRODUCTION CASING PRIMARY CEMENT	10/27/2012

Directional Information

Initial Deviation	Max Dev	Max Dogleg
2,500	91.3deg at 11,373	12.8 deg at 6,789

Casing / Tubing Information

Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	1,596.00	1,355		-1,725.19	
INTERMEDIATE 1	9.63	40	J-55, HCK-55, K-55	4,711.04	1,550		1,389.34	
PRODUCTION 1	5.50	20, 0	P 110	11,529.96			3,805.70	

BULKS

Product	QTY
	0.0
DIESEL, RIG FUEL	0.0



APACHE CORPORATION

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Daily Land - Orig Comp Report

Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
65506	DRILLING OVERHEAD	4,000	0	0	0	4,000	
70003	BITS, COREHEADS AND REAMERS	30,000	0	0	0	30,000	
70004	CASING CREW	17,000	15,436	0	15,436	1,565	
70006	CEMENT AND CEMENTING SERVICES	110,000	106,927	0	106,927	3,073	
70008	COMMUNICATIONS		450	0	450		
70011	COMPANY SUPERVISION	27,500	18,000	500	18,500	9,000	BOBBY C.
70017	CONTRACT LABOR	75,000	197,320	154,938	352,258	-277,258	WORK AT CTB AND WELL
70019	CONTRACT DRILLING-DAY/TURNKEY	155,000	114,092	3,260	117,352	37,648	SCOTT'S FISHING
70021	CONTRACT SUPERVISION	5,000	5,088	0	5,088	-88	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		7,669	0	7,669		
70026	ELECTRICAL CONTRACT		22,800	0	22,800		
70031	EQUIPMENT RENTAL	300,000	290,387	66,500	356,887	-56,887	TANKS, BOP, MAT, RACK
70034	FORMATION STIMULATION	2,800,000	1,302,635	0	1,302,635	1,497,365	
70037	FUEL AND POWER		5,592	0	5,592		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70046	LAND AND SITE RECLAMATION	20,000	0	0	0	20,000	
70049	LOGGING AND WIRELINE	450,000	241,843	0	241,843	208,157	
70054	OTHER INTANGIBLE	140,000	35,780	0	35,780	104,220	
70062	REPAIR & MAINTENANCE - SFC			66,614			REPAIR & MAINTENANCE - SFC
70065	SITE PREPARATION	9,000	0	5,185	5,185	3,815	
70069	SNUBBING/COIL TUBING UNIT	60,000	87,990	0	87,990	-27,990	
70074	TRUCKING AND HAULING	200,000	199,587	57,247	256,835	-56,835	HAULING FROM FRAC
70076	TUBULAR INSPECTION/TESTING	7,500	0	0	0	7,500	
70077	WATER	100,000	10,588	0	10,588	89,412	
Total Intangible Cost		4,510,000	2,662,184	354,244	3,016,427	1,493,573	
71001	ARTIFICIAL LIFT	175,000	132,200	0	132,200	42,800	
71012	FLOWLINES TO BATTERY	20,000	0	0	0	20,000	
71026	MCC/ SWITCHGEAR		13,100	0	13,100		
71040	PRODUCTION CASING	249,000	0	0	0	249,000	
71046	SEPARATORS	40,000	0	0	0	40,000	
71051	TANK BATTERY	15,000	0	0	0	15,000	
71053	TUBING	36,000	53,850	0	53,850	-17,850	
71056	WELLHEAD ASSEMBLY	20,000	11,566	0	11,566	8,434	
Total Tangible Cost		555,000	210,716		210,716	344,284	
Total:		5,065,000	2,872,900	354,244	3,227,144	1,837,856	



APACHE CORPORATION

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Daily Land - Orig Comp Report

WELL NAME THREE BAR SHALLOW UNIT 103H							DATE 02-26-2013	
Operator APACHE CORPORATION		API 4200344227	GL 3,304.00	TMD 11,542.00	TVD	RKB/RT 3,321.00	Working Int % 100.00	Report No 31
Region PERMIAN		District ANDREWS - TX NCZ	License		Well Supervisor BOBBY CLOUD / STAN SHUMAKER		Engineer / Geologist STEPHEN MARCIL	
Field THREE BAR WICHITA ALB		State	County	Event Code LCM	Event Type LAND-ORIG COMP		Objective	
RIG Name			RIG PHONE NO		RIG Fax No		Tool Pusher	
AFE #: PA-12-0788-C		AFE Description:						
AFE Costs 5,065,000		Previous Day Cum 3,227,144		Daily Costs 94,915	Cumulative Cost 3,322,059	AFE Remaining 1,742,941		AFE % 65.59
Comment Summary		UPDATE COST AND ADD ROD/PUMP DETAIL						
24 HR Forecast		UPDATE COST AND ADD ROD/PUMP DETAIL						
Actual Perforations								
Date	Zone	From	To	JSPF Phasing	Comments		Report Date	
12/13/2012							12/13/2012	
12/13/2012							12/13/2012	
12/13/2012							12/13/2012	
12/14/2012							12/14/2012	
12/15/2012	WICHITA ALBANY	7,340	7,342.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,410	7,412.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,480	7,483.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,522	7,524.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,585	7,587.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,644	7,647.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,746	7,748.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,826	7,828.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,898	7,901.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	7,984	7,986.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	8,066	8,068.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	8,127	8,130.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	8,281	8,282.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	8,358	8,360.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	8,424	8,427.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	8,558	8,560.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	8,618	8,620.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	8,698	8,671.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	9,009	9,011.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	9,088	9,090.00	6 60.00			12/15/2012	
12/15/2012	WICHITA ALBANY	9,160	9,163.00	6 60.00			12/15/2012	
12/14/2012	WICHITA ALBANY	9,243	9,245.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	9,320	9,322.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	9,390	9,393.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	9,680	9,683.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	9,766	9,770.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	9,845	9,847.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	9,923	9,925.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	10,010	10,013.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	10,113	10,115.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	10,200	10,202.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	10,283	10,286.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	10,354	10,356.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	10,409	10,411.00	6 60.00			12/14/2012	
12/14/2012	WICHITA ALBANY	10,452	10,455.00	6 60.00			12/14/2012	
12/13/2012	WICHITA ALBANY	10,558	10,560.00	6 60.00			12/13/2012	
12/13/2012	WICHITA ALBANY	10,622	10,624.00	6 60.00			12/13/2012	
12/13/2012	WICHITA ALBANY	10,676	10,679.00	6 60.00			12/13/2012	
12/13/2012	WICHITA ALBANY	10,795	10,797.00	6 60.00			12/13/2012	
12/13/2012	WICHITA ALBANY	10,871	10,878.00	6 60.00			12/13/2012	
12/13/2012	WICHITA ALBANY	10,953	10,956.00	6 60.00			12/13/2012	
11/30/2012	WICHITA ALBANY	11,038	11,040.00	6 60.00			11/30/2012	
11/30/2012	WICHITA ALBANY	11,038	11,040.00	6 60.00			11/30/2012	
11/30/2012	WICHITA ALBANY	11,038	11,040.00	6 60.00			11/30/2012	
11/30/2012	WICHITA ALBANY	11,128	11,130.00	6 60.00			11/30/2012	



APACHE CORPORATION

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11/30/2012	WICHITA ALBANY	11,128	11,130.00	6	60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,128	11,130.00	6	60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,177	11,180.00	6	60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,177	11,180.00	6	60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,177	11,180.00	6	60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,276	11,278.00	6	60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,326	11,328.00	6	60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,391	11,394.00	6	60.00	11/30/2012

Squeeze / Repair / Plugs

Date	From	To	Work Done	Date Report
10/26/2012			PRODUCTION CASING PRIMARY CEMENT	10/27/2012

Directional Information

Initial Deviation	Max Dev	Max Dogleg
2,500	91.3deg at 11,373	12.8 deg at 6,789

Casing / Tubing Information

Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	1,596.00	1,355		-1,725.19	
INTERMEDIATE 1	9.63	40	J-55, HCK-55, K-55	4,711.04	1,550		1,389.34	
PRODUCTION 1	5.50	20	P 110	11,529.96			3,805.70	

WellBore Equipment

Assembly Name		Assembly Size		MD Top		MD Base		Date Installed
ROD STRING		2.88						2/26/2013 12:00:00AM
Section Type	Component Type	Top	Length	No. of Joints	Condition	GRADE	OD_BODY Weight	DESCRIPTION
Rod Pump	Insert Pump		36.00		New			GARNER
Rods	Pony Rod(s)		4.00		New		0.750	S-88
			40.00					

BULKS

Product	QTY
	0.0
DIESEL, RIG FUEL	0.0



APACHE CORPORATION

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Daily Land - Orig Comp Report

Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
65506	DRILLING OVERHEAD	4,000	0	0	0	4,000	
70003	BITS, COREHEADS AND REAMERS	30,000	0	0	0	30,000	
70004	CASING CREW	17,000	15,436	0	15,436	1,565	
70006	CEMENT AND CEMENTING SERVICES	110,000	106,927	0	106,927	3,073	
70008	COMMUNICATIONS		450	0	450		
70011	COMPANY SUPERVISION	27,500	18,500	0	18,500	9,000	BOBBY C.
70017	CONTRACT LABOR	75,000	352,258	32,000	384,258	-309,258	flowback/test separator
70019	CONTRACT DRILLING-DAY/TURNKEY	155,000	117,352	0	117,352	37,648	SCOTT'S FISHING
70021	CONTRACT SUPERVISION	5,000	5,088	0	5,088	-88	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		7,669	0	7,669		
70026	ELECTRICAL CONTRACT		22,800	0	22,800		
70031	EQUIPMENT RENTAL	300,000	356,887	1,800	358,687	-58,687	TANKS, BOP, MAT, RACK
70034	FORMATION STIMULATION	2,800,000	1,302,635	0	1,302,635	1,497,365	
70037	FUEL AND POWER		5,592	0	5,592		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70046	LAND AND SITE RECLAMATION	20,000	0	0	0	20,000	
70049	LOGGING AND WIRELINE	450,000	241,843	0	241,843	208,157	
70054	OTHER INTANGIBLE	140,000	35,780	0	35,780	104,220	
70062	REPAIR & MAINTENANCE - SFC		66,614	0	66,614		
70065	SITE PREPARATION	9,000	5,185	0	5,185	3,815	
70069	SNUBBING/COIL TUBING UNIT	60,000	87,990	0	87,990	-27,990	
70074	TRUCKING AND HAULING	200,000	256,835	10,500	267,335	-67,335	transports
70076	TUBULAR INSPECTION/TESTING	7,500	0	0	0	7,500	
70077	WATER	100,000	10,588	0	10,588	89,412	
Total Intangible Cost		4,510,000	3,016,427	44,300	3,060,727	1,449,273	
71001	ARTIFICIAL LIFT	175,000	132,200	17,615	149,815	25,185	gas pump, mother hubbard
71012	FLOWLINES TO BATTERY	20,000	0	0	0	20,000	
71026	MCC/ SWITCHGEAR		13,100	0	13,100		
71040	PRODUCTION CASING	249,000	0	0	0	249,000	
71046	SEPARATORS	40,000	0	0	0	40,000	
71048	SUCKER RODS			33,000			SUCKER RODS
71051	TANK BATTERY	15,000	0	0	0	15,000	
71053	TUBING	36,000	53,850	0	53,850	-17,850	
71056	WELLHEAD ASSEMBLY	20,000	11,566	0	11,566	8,434	
Total Tangible Cost		555,000	210,716	50,615	261,331	293,669	
Total:		5,065,000	3,227,144	94,915	3,322,059	1,742,941	



APACHE CORPORATION

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Daily Land - Orig Comp Report

WELL NAME THREE BAR SHALLOW UNIT 103H							DATE 05-08-2013		
Operator APACHE CORPORATION		API 4200344227	GL 3,304.00	TMD 11,542.00	PBTD	RKB/RT 3,321.00	Working Int % 100.00	Report No 32	
Region PERMIAN		District ANDREWS - TX NCZ		License		Well Supervisor BOBBY CLOUD / STAN SHUMAKER		Engineer / Geologist STEPHEN MARCIL	
Field THREE BAR WICHITA ALB		State		County		Event Code LCM		Event Type LAND-ORIG COMP	Objective
RIG Name				RIG PHONE NO		RIG Fax No		Tool Pusher	
AFE #: PA-12-0788-C		AFE Description:							
AFE Costs 5,065,000		Previous Day Cum 3,326,859		Daily Costs 38,000		Cumulative Cost 3,364,859		AFE Remaining 1,700,141	AFE % 66.43
Comment Summary 24 HR Forecast		COST UPDATE							
24 HR Operational Comments									
From	To	Duration	Operation Description						
Actual Perforations									
Date	Zone	From	To	JSPF	Phasing	Comments			Report Date
12/13/2012									12/13/2012
12/13/2012									12/13/2012
12/13/2012									12/13/2012
12/14/2012									12/14/2012
12/15/2012	WICHITA ALBANY	7,340	7,342.00	6	60.00				12/15/2012
12/15/2012	WICHITA ALBANY	7,410	7,412.00	6	60.00				12/15/2012
12/15/2012	WICHITA ALBANY	7,480	7,483.00	6	60.00				12/15/2012
12/15/2012	WICHITA ALBANY	7,522	7,524.00	6	60.00				12/15/2012
12/15/2012	WICHITA ALBANY	7,585	7,587.00	6	60.00				12/15/2012
12/15/2012	WICHITA ALBANY	7,644	7,647.00	6	60.00				12/15/2012
12/15/2012	WICHITA ALBANY	7,746	7,748.00	6	60.00				12/15/2012
12/15/2012	WICHITA ALBANY	7,826	7,828.00	6	60.00				12/15/2012
12/15/2012	WICHITA ALBANY	7,898	7,901.00	6	60.00				12/15/2012
12/15/2012	WICHITA ALBANY	7,984	7,986.00	6	60.00				12/15/2012
12/15/2012	WICHITA ALBANY	8,066	8,068.00	6	60.00				12/15/2012
12/15/2012	WICHITA ALBANY	8,127	8,130.00	6	60.00				12/15/2012
12/15/2012	WICHITA ALBANY	8,281	8,282.00	6	60.00				12/15/2012
12/15/2012	WICHITA ALBANY	8,358	8,360.00	6	60.00				12/15/2012
12/15/2012	WICHITA ALBANY	8,424	8,427.00	6	60.00				12/15/2012
12/15/2012	WICHITA ALBANY	8,558	8,560.00	6	60.00				12/15/2012
12/15/2012	WICHITA ALBANY	8,618	8,620.00	6	60.00				12/15/2012
12/15/2012	WICHITA ALBANY	8,698	8,671.00	6	60.00				12/15/2012
12/15/2012	WICHITA ALBANY	9,009	9,011.00	6	60.00				12/15/2012
12/15/2012	WICHITA ALBANY	9,088	9,090.00	6	60.00				12/15/2012
12/15/2012	WICHITA ALBANY	9,160	9,163.00	6	60.00				12/15/2012
12/14/2012	WICHITA ALBANY	9,243	9,245.00	6	60.00				12/14/2012
12/14/2012	WICHITA ALBANY	9,320	9,322.00	6	60.00				12/14/2012
12/14/2012	WICHITA ALBANY	9,390	9,393.00	6	60.00				12/14/2012
12/14/2012	WICHITA ALBANY	9,680	9,683.00	6	60.00				12/14/2012
12/14/2012	WICHITA ALBANY	9,766	9,770.00	6	60.00				12/14/2012
12/14/2012	WICHITA ALBANY	9,845	9,847.00	6	60.00				12/14/2012
12/14/2012	WICHITA ALBANY	9,923	9,925.00	6	60.00				12/14/2012
12/14/2012	WICHITA ALBANY	10,010	10,013.00	6	60.00				12/14/2012
12/14/2012	WICHITA ALBANY	10,113	10,115.00	6	60.00				12/14/2012
12/14/2012	WICHITA ALBANY	10,200	10,202.00	6	60.00				12/14/2012
12/14/2012	WICHITA ALBANY	10,283	10,286.00	6	60.00				12/14/2012
12/14/2012	WICHITA ALBANY	10,354	10,356.00	6	60.00				12/14/2012
12/14/2012	WICHITA ALBANY	10,409	10,411.00	6	60.00				12/14/2012
12/14/2012	WICHITA ALBANY	10,452	10,455.00	6	60.00				12/14/2012
12/13/2012	WICHITA ALBANY	10,558	10,560.00	6	60.00				12/13/2012
12/13/2012	WICHITA ALBANY	10,622	10,624.00	6	60.00				12/13/2012
12/13/2012	WICHITA ALBANY	10,676	10,679.00	6	60.00				12/13/2012
12/13/2012	WICHITA ALBANY	10,795	10,797.00	6	60.00				12/13/2012
12/13/2012	WICHITA ALBANY	10,871	10,878.00	6	60.00				12/13/2012
12/13/2012	WICHITA ALBANY	10,953	10,956.00	6	60.00				12/13/2012
11/30/2012	WICHITA ALBANY	11,038	11,040.00	6	60.00				11/30/2012



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11/30/2012	WICHITA ALBANY	11,038	11,040.00	6	60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,038	11,040.00	6	60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,128	11,130.00	6	60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,128	11,130.00	6	60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,128	11,130.00	6	60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,177	11,180.00	6	60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,177	11,180.00	6	60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,177	11,180.00	6	60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,276	11,278.00	6	60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,326	11,328.00	6	60.00	11/30/2012
11/30/2012	WICHITA ALBANY	11,391	11,394.00	6	60.00	11/30/2012

Squeeze / Repair / Plugs

Date	From	To	Work Done	Date Report
10/26/2012			PRODUCTION CASING PRIMARY CEMENT	10/27/2012

Directional Information

Initial Deviation	Max Dev	Max Dogleg
2,500	91.3deg at 11,373	12.8 deg at 6,789

Casing / Tubing Information

Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	1,596.00	1,355		-1,725.19	
INTERMEDIATE 1	9.63	40	J-55, HCK-55, K-55	4,711.04	1,550		1,389.34	
PRODUCTION 1	5.50	20	P 110	11,529.96			3,805.70	

WellBore Equipment

Assembly Name		Assembly Size		MD Top		MD Base		Date Installed	
ROD STRING								1/11/2013 12:00:00AM	
Section Type	Component Type	Top	Length	No. of Joints	Condition	GRADE	OD_BODY Weight	DESCRIPTION	
Rod Pump	Insert Pump		36.00		New		2.000		
Rods	Pony Rod(s)		4.00	1	New	HS	0.750	S-88	
Rods	Sinker Bar		550.00	22	New	K	1.500		
Rods	Rod(s)		3,050.00	122	New	HS	0.880	S-88	
Rods	Sucker Rod(s)		2,750.00	110	New	HS	1.000	S-88	
Rods	Pony Rod(s)		8.00	1	New	HS	1.000	S-88	
Rods	Polished Rod		36.00	1	New		1.500		
								6,434.00	
Assembly Name		Assembly Size		MD Top		MD Base		Date Installed	
ROD STRING		2.88						2/26/2013 12:00:00AM	
Section Type	Component Type	Top	Length	No. of Joints	Condition	GRADE	OD_BODY Weight	DESCRIPTION	
Rod Pump	Insert Pump		36.00		New			GARNER	
Rods	Pony Rod(s)		4.00		New		0.750	S-88	
Rods	Sinker Bar		550.00	22	New		1.500	K-BARS	
Rods	Sucker Rod(s)		3,050.00	122	New		0.880	S-88	
Rods	Sucker Rod(s)		2,750.00	110	New		1.000	S-88	
Rods	Pony Rod(s)		8.00	1	New		1.000	S-88	
Rods	Polished Rod		36.00		New		1.500		
								6,434.00	
Assembly Name		Assembly Size		MD Top		MD Base		Date Installed	
TUBING STRING		2.88						1/11/2013 12:00:00AM	
Section Type	Component Type	Top	Length	No. of Joints	Condition	GRADE	OD_BODY Weight	DESCRIPTION	
Wellbore Equipmer Gas Anchor			29.50	1	New		3.500	MOTHER HUBBARD	
Wellbore Equipmer Seating Nipple			1.10		New		2.880		
Tubing	Tubing		63.82	2	New	J-55	2.880 6.50	ENDURA ALLOY	
Tubing	Tubing Anchor Catcher		2.87		New		5.500		
Tubing	Tubing		6,383.93	96	New	J-55	2.880 6.50		
								6,481.22	

BULKS

Product	QTY
DIESEL, RIG FUEL	0.0
	0.0



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Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
65506	DRILLING OVERHEAD	4,000	0	0	0	4,000	
70003	BITS, COREHEADS AND REAMERS	30,000	0	0	0	30,000	
70004	CASING CREW	17,000	15,436	0	15,436	1,565	
70006	CEMENT AND CEMENTING SERVICES	110,000	106,927	0	106,927	3,073	
70008	COMMUNICATIONS		450	0	450		
70011	COMPANY SUPERVISION	27,500	18,500	0	18,500	9,000	BOBBY C.
70017	CONTRACT LABOR	75,000	384,258	0	384,258	-309,258	
70019	CONTRACT DRILLING-DAY/TURNKEY	155,000	117,352	0	117,352	37,648	SCOTT'S FISHING
70021	CONTRACT SUPERVISION	5,000	5,088	0	5,088	-88	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		7,669	0	7,669		
70026	ELECTRICAL CONTRACT		22,800	5,200	28,000		ELECTRICAL CONTRACT
70031	EQUIPMENT RENTAL	300,000	363,487	0	363,487	-63,487	
70034	FORMATION STIMULATION	2,800,000	1,302,635	0	1,302,635	1,497,365	
70037	FUEL AND POWER		5,592	0	5,592		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70046	LAND AND SITE RECLAMATION	20,000	0	0	0	20,000	
70049	LOGGING AND WIRELINE	450,000	241,843	0	241,843	208,157	
70054	OTHER INTANGIBLE	140,000	35,780	0	35,780	104,220	
70062	REPAIR & MAINTENANCE - SFC		66,614	0	66,614		
70065	SITE PREPARATION	9,000	5,185	0	5,185	3,815	
70069	SNUBBING/COIL TUBING UNIT	60,000	87,990	0	87,990	-27,990	
70074	TRUCKING AND HAULING	200,000	267,335	0	267,335	-67,335	
70076	TUBULAR INSPECTION/TESTING	7,500	0	0	0	7,500	
70077	WATER	100,000	10,588	0	10,588	89,412	
Total Intangible Cost		4,510,000	3,065,527	5,200	3,070,727	1,439,273	
71001	ARTIFICIAL LIFT	175,000	149,815	4,000	153,815	21,185	
71012	FLOWLINES TO BATTERY	20,000	0	0	0	20,000	
71018	INSTRUMENTATION			2,200			INSTRUMENTATION
71026	MCC/ SWITCHGEAR		13,100	26,600	39,700		MCC/ SWITCHGEAR
71040	PRODUCTION CASING	249,000	0	0	0	249,000	
71046	SEPARATORS	40,000	0	0	0	40,000	
71048	SUCKER RODS		33,000	0	33,000		
71051	TANK BATTERY	15,000	0	0	0	15,000	
71053	TUBING	36,000	53,850	0	53,850	-17,850	
71056	WELLHEAD ASSEMBLY	20,000	11,566	0	11,566	8,434	
Total Tangible Cost		555,000	261,331	32,800	294,131	260,869	
Total:		5,065,000	3,326,859	38,000	3,364,859	1,700,141	