



APACHE CORPORATION  
Daily Drilling Report

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WELLBORE NAME UNIVERSITY LANDS A 37 1H						DATE 12-22-2011									
API # 4210335938 00		24 HRS PROG 0.0 (ft)		TMD 0.0 (ft)		TVD 0.0 (ft)		REPT NO 1							
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE		AUTH TMD 7,655.00 (ft)		PLANNED DOW 20.00 (days)		DFS / KO 0.00 (days)		DOL 0.00 (days)					
SPUD DATE		RIG RELEASE		SUPERVISOR JAMES W. GARDNER (432)-254-6606				ENGINEER ROBERT CLARY		PBTMD					
REGION PERMIAN		DISTRICT NOTREES - TX CZ		STATE / PROV TEXAS		COUNTY / PARISH CRANE		RIG PHONE NO 281-532-5388		RIG FAX NO 432-818-1198					
AFE # PA-11-0516-D		AFE COSTS		DAILY COSTS		CUMULATIVE COSTS									
DESCRIPTION: DRILL A HORIZONTAL GRAYBURG WELL		DHC: 1,106,300 DCC: CWC: Others: TOTAL: 1,106,300		DHC: 161,125 DCC: CWC: Others: TOTAL: 161,125		DHC: 161,125 DCC: CWC: Others: TOTAL: 161,125									
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)		LAST SAFETY MEETING 7/31/2011		BLOCK		OCSG#		TARGET FORMATION GRAYBURG		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 @ 980.0 ft							
CURRENT OPERATIONS: WAIT ON CAPSTAR 19 TO MIRU															
24 HR SUMMARY: SET 40' OF 20" CONDUCTOR PIPE: LINE PITS AND HAUL WATER TO HOLD LINER															
24 HR FORECAST: MIRU CAPSTAR RIG 19															
DAILY OP COMMENTS															
SET 40' OF 20" CONDUCTOR PIPE: LINE PITS AND HAUL WATER TO HOLD LINER															
OPERATION SUMMARY															
From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY								
6:00	12:00	6.00	LOCATION	LOCATN	PP		SET 40' OF 20" CONDUCTOR PIPE: LINE PITS AND HAUL WATER TO HOLD LINER								
6.00 = Total Hours Today															
06:00 UPDATE															
0000-0600 WAIT ON CAPSTAR 19 TO MIRU															
SAFETY DRILLS															
RAMS (psi)		ANNULARS (psi)		CASING		LAST BOP PRESS TEST		NEXT BOP PRESS TEST		FIRE DRILL		H2S DRILL		ABND. DRILL	
INCIDENT REPORT															
INCIDENTS TYPE NONE LOST TIME? NO INCIDENTS DESCRIPTION															



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WELLBORE NAME UNIVERSITY LANDS A 37 1H						DATE 12-26-2011					
API # 4210335938 00		24 HRS PROG 603.0 (ft)		TMD 654.0 (ft)		TVD 654.0 (ft)		REPT NO 5			
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE		AUTH TMD 7,655.00 (ft)		PLANNED DOW 20.00 (days)		DFS / KO 0.50 (days)		DOL 3.50 (days)	
SPUD DATE		RIG RELEASE		SUPERVISOR JAMES W. GARDNER (432)-254-6606				ENGINEER ROBERT CLARY		PBTMD	
REGION PERMIAN		DISTRICT NOTREES - TX CZ		STATE / PROV TEXAS		COUNTY / PARISH CRANE		RIG PHONE NO 281-532-5388		RIG FAX NO 432-818-1198	
AFE # PA-11-0516-D		AFE COSTS		DAILY COSTS				CUMULATIVE COSTS			
DESCRIPTION: DRILL A HORIZONTAL GRAYBURG WELL		DHC: 1,106,300 DCC: CWC: Others: TOTAL: 1,106,300		DHC: 27,785 DCC: CWC: Others: TOTAL: 27,785				DHC: 165,173 DCC: CWC: Others: 66,000 TOTAL: 231,173			
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)		LAST SAFETY MEETING 12/26/2011		BLOCK		OCSG#		TARGET FORMATION GRAYBURG		BHA HRS OF SERVICE 12.00	
LAST SURVEY MD 0.0 (ft) INC 0.00° AZM 0.00°				LAST CSG SHOE TEST (EMW)		LAST CASING 20.000 in @ 51.0 ft		NEXT CASING 13.375 in @ 980.0 ft			
CURRENT OPERATIONS: DRLG @ 911': 65-70 WOB: 100 RPM: 410 GPM W/ 730 PSI: SURVEY @ 788': 0.7° DEG: NO ISSUES											
24 HR SUMMARY: SHUT DOWN F/ HOLIDAYS: FILL WATER TANK & PITS: RU WATER LINES: LEVEL RIG: SLM BHA #1: TXRR CONTACTED 12/23/2011: DRLG F/ 51' -TO- 654': 603' @ 50.25 FT/HR: 10-60 WOB: 75-110 RPM: 410 GPM W/ 685 PSI: 8.3 PPG: 28 VISC: 9.5 PH: SURVEY @ 489': 0.9° DEG:											
24 HR FORECAST: TD SURFACE @ 1010': CIRC: TOH: RUN CASING & CEMENT											
DAILY OP COMMENTS											
SHUT DOWN F/ HOLIDAYS: FILL WATER TANK & PITS: RU WATER LINES: LEVEL RIG: SLM BHA #1: TXRR CONTACTED 12/23/2011: DRLG F/ 51' -TO- 654': 603' @ 50.25 FT/HR: 10-60 WOB: 75-110 RPM: 410 GPM W/ 685 PSI: 8.3 PPG: 28 VISC: 9.5 PH: SURVEY @ 489': 0.9° DEG:											
OPERATION SUMMARY											
From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY				
0:00	6:00	6.00	S-DRL	WOO	PP		SHUT DOWN F/ HOLIDAYS:				
6:00	12:00	6.00	S-DRL	RU_RD	PP		FILL WATER TANK & PITS: RU WATER LINES: LEVEL RIG: SLM BHA #1				
12:00	0:00	12.00	S-DRL	DRLG	PP		SPUD NEW WELL @ 12:00 ON 12/26/2011: TXRR CONTACTED 12/23/2011: JOB #14606 DRLG F/ 51' -TO- 654': 603' @ 50.25 FT/HR: 10-60 WOB: 75-110 RPM: 410 GPM W/ 685 PSI: 8.3 PPG: 28 VISC: 9.5 PH: SURVEY @ 489': 0.9° DEG:				
24.00 = Total Hours Today											
06:00 UPDATE											
0000-0600 DRLG F/ 654' -TO- 911': 257' @ 42.8 FT/HR: 60 WOB: 100 RPM: 410 GPM W/ 725 PSI: 8.3 PPG: 28 VISC: 9.5 PH: SURVEY @ 788': 0.7° DEG: NO ISSUES											
BIT DATA											
BIT / RUN	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	SECURITY DBS		G02TVC	MX7498	3x18	51.00 / 12-26-2011		-----		
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	10/65	75/100	409.40	725	230.52	12.00	603.0	50.2	12.00	603.0	50.2
MOTOR OUTPUT											
RPV:				ROTARY CURRENT: 100				TOTAL RPM: 100			



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WELLBORE NAME				DATE
UNIVERSITY LANDS A 37 1H				12-26-2011
API #	24 HRS PROG	TMD	TVD	REPT NO
4210335938 00	603.0 (ft)	654.0 (ft)	654.0 (ft)	5

LCM:	MUD PROPERTIES										MUD TYPE: FRESH WATER
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VIS (s/qt)	PV/YP (cp) / (lb/100ft <sup>2</sup> )	GELS (lb/100ft <sup>2</sup> )	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													

Density (ppg)	8.30			PP		DAILY COST	0.00	CUM COST	0	%OIL		% H2O	99.90
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BHA	1	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)		75.0 (kip)		65.0 (kip)		70.0 (kip)		1,500.0 (ft-lbf)		664.28 (ft)	

COMPONENT TYPE		ITEM DESCRIPTION				NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
						0	-10.28	4.500	3.826	4.500	XH
		6.25" DC'S				18	531.07	6.125	2.500	4.500	XH
		X-OVER				1	2.45	7.750	2.500	4.500	XH
		8" DC				1	31.10	7.750	2.500	6.625	API REG
		IBS				1	8.02	8.000	2.750	6.625	API REG
		8" DC				1	30.68	7.750	2.500	6.625	API REG
		IBS				1	8.06	8.000	2.750	6.625	API REG
		8" DC				1	29.95	7.750	2.500	6.625	API REG
		TELEDRIFT				1	9.89	8.125	2.750	6.625	API REG
		SHOCK SUB				1	9.21	7.375	2.800	6.625	API REG
		BIT SUB				1	2.85	8.875	2.800	6.625	API REG
		17.5" TRI-CONE				1	1.00	17.500	3.000	6.625	API REG

SURVEY

TYPE	MD (ft)	DEG (°)	AZI (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	V.SECT (ft)	D.L (°/100ft)
	489.0	0.90		489.0	3.16	0.06	3.16	0.25
	250.0	0.30		250.0	0.65	0.01	0.65	0.12
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
OH	CONDUCTOR			20.000	94.00	H-40	51.0
OH	SURFACE			13.375	48.00	H-40	1,010.0

MUD PUMPS/HYDRAULICS					SPP: 725 (psi)	SPR	
	STROKE	SPM	LINER	FLOW RATE	AV(DP):		
# 1	10.00	100.00	6.500	409.4	AV(DC):	SPM	PPSR
					HP: 0.229 (hp/in <sup>2</sup> )		

PERSONNEL DATA

COMPANY		QTY	HRS	COMPANY		QTY	HRS
CAPSTAR DRILLING Inc.		1	24.00	TOTAL ENERGY SERVICES		1	24.00
CAPSTAR DRILLING Inc.		12	96.00				

TOTAL PERSONNEL ON BOARD: 14

TOTAL HOURS ON BOARD: 144

MATERIALS/CONSUMPTION



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WELLBORE NAME UNIVERSITY LANDS A 37 1H				DATE 12-26-2011
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API # 4210335938 00	24 HRS PROG 603.0 (ft)	TMD 654.0 (ft)	TVD 654.0 (ft)	REPT NO 5
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ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
DIESEL, RIG FUEL	gal	485	4165	BRINE	bbl		1000
WATER, MUNICIPAL	bbl		1660				

SAFETY DRILLS

RAMS (psi)	ANNULARS (psi)	CASING	LAST BOP PRESS TEST	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	ABND. DRILL

INCIDENT REPORT

INCIDENTS TYPE	NONE	LOST TIME?	NO	INCIDENTS DESCRIPTION
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MUD INVENTORY

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



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## Daily Drilling Report

WELLBORE NAME UNIVERSITY LANDS A 37 1H						DATE 12-27-2011					
API # 4210335938 00		24 HRS PROG 356.0 (ft)		TMD 1,010.0 (ft)		TVD 1,009.9 (ft)		REPT NO 6			
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE		AUTH TMD 7,655.00 (ft)		PLANNED DOW 20.00 (days)		DFS / KO 1.50 (days)		DOL 4.50 (days)	
SPUD DATE 12-26-2011 12:00		RIG RELEASE		SUPERVISOR JAMES W. GARDNER (432)-254-6606				ENGINEER ROBERT CLARY		PBTMD	
REGION PERMIAN		DISTRICT NOTREES - TX CZ		STATE / PROV TEXAS		COUNTY / PARISH CRANE		RIG PHONE NO 281-532-5388		RIG FAX NO 432-818-1198	
AFE # PA-11-0516-D		AFE COSTS		DAILY COSTS				CUMULATIVE COSTS			
DESCRIPTION: DRILL A HORIZONTAL GRAYBURG WELL		DHC: 1,106,300 DCC: CWC: Others: TOTAL: 1,106,300		DHC: 11,885 DCC: CWC: Others: TOTAL: 11,885				DHC: 243,058 DCC: CWC: Others: TOTAL: 243,058			
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)		LAST SAFETY MEETING 12/27/2011		BLOCK		OCSG#		TARGET FORMATION GRAYBURG		BHA HRS OF SERVICE 13.00	
LAST SURVEY MD 942.0 (ft) INC 1.40° AZM 0.00°				LAST CSG SHOE TEST (EMW)		LAST CASING 20.000 in @ 51.0 ft		NEXT CASING 13.375 in @ 980.0 ft			
CURRENT OPERATIONS: M/U CLEAN OUT BHA											
24 HR SUMMARY: DRLG F/ 654' TO 1010' ; 356' @ 27' FPH;CIRC;TOH; R/U CSG CREW;RUN 13.375 CSG;ATTEMPT TO WORK THROUGH TIGHT SPOT F/ 65' TO 80';NO SUCCESS; TOH & L/D CSG;R/U FLOOR TO TIH W/BIT & 17.5 IBS'S; TD AT 1.010' @ 13:00 ON 12/27/2011											
24 HR FORECAST: WASH & REAM TO TD ; CIRC ; TOH & RUN 13.325 CSG ; CMT CSG											
DAILY OP COMMENTS											
DRLG F/ 654' TO 1010' ; 356' @ 27' FPH;CIRC;TOH; R/U CSG CREW;RUN 13.375 CSG;ATTEMPT TO WORK THROUGH TIGHT SPOT F/ 65' TO 80';NO SUCCESS; TOH & L/D CSG;R/U FLOOR TO TIH W/BIT & 17.5 IBS'S; TD AT 1.010' @ 13:00 ON 12/27/2011											
OPERATION SUMMARY											
From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY				
0:00	13:00	13.00	S-DRL	DRLG	PP		DRLG F/ 654' TO 1010' ; 356' @ 27' FPH ; 10-60 WOB: 75-110 RPM: 410 GPM W/ 750 PSI: 8.5 PPG: 29 VISC: 9.5 PH: SURVEY @ 942': 1.4° DEG  TD AT 1.010' @ 13:00 ON 12/27/2011				
13:00	14:00	1.00	S-DRL	CIRC	PP		CIRC AND PUMP SWEEP @ TD				
14:00	17:00	3.00	S-DRL	POOH	PP		TOH ; L/D BHA # 1				
17:00	18:30	1.50	P-CSG	RU_RD	PP		R/D FLOOR & R/U LEWIS CSG CREW				
18:30	22:00	3.50	P-CSG	CSG	PP		RUN 13.375 CSG;ATTEMPT TO WORK THROUGH TIGHT SPOT F/ 65' TO 80';NO SUCCESS; TOH & L/D CSG				
22:00	0:00	2.00	P-CSG	CSG	PP		R/U FLOOR TO TIH W/BIT & 17.5 IBS'S				
24.00 = Total Hours Today											
06:00 UPDATE											
0000-0600 WAIT ON 17.5 IBS'S ; P/U BIT, BIT SUB, & 2-IBS'S & TIH											
BIT DATA											
BIT / RUN	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	SECURITY DBS		G02TVC	MX7498	3x18	51.00 / 12-26-2011		1-1-WT-A-0-1-WT-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
1/1	45/60	90/105	393.03	750	215.01	13.00	356.0	27.4	25.00	959.0	38.4
MOTOR OUTPUT											
RPV:				ROTARY CURRENT: 105				TOTAL RPM: 105			



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Daily Drilling Report

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WELLBORE NAME				DATE
UNIVERSITY LANDS A 37 1H				12-27-2011
API #	24 HRS PROG	TMD	TVD	REPT NO
4210335938 00	356.0 (ft)	1,010.0 (ft)	1,009.9 (ft)	6

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

Density (ppg)	8.40			PP		DAILY COST	0.00	CUM COST	0	%OIL		% H <sub>2</sub> O	
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BHA	1	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)		93.0 (kip)		89.0 (kip)		91.0 (kip)		(ft-lbf)		664.28 (ft)		

COMPONENT TYPE		ITEM DESCRIPTION				NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
						0	345.72	4.500	3.826	4.500	XH
		6.25" DC'S				18	531.07	6.125	2.500	4.500	XH
		X-OVER				1	2.45	7.750	2.500	4.500	XH
		8" DC				1	31.10	7.750	2.500	6.625	API REG
		IBS				1	8.02	8.000	2.750	6.625	API REG
		8" DC				1	30.68	7.750	2.500	6.625	API REG
		IBS				1	8.06	8.000	2.750	6.625	API REG
		8" DC				1	29.95	7.750	2.500	6.625	API REG
		TELEDRIFT				1	9.89	8.125	2.750	6.625	API REG
		SHOCK SUB				1	9.21	7.375	2.800	6.625	API REG
		BIT SUB				1	2.85	8.875	2.800	6.625	API REG
		17.5" TRI-CONE				1	1.00	17.500	3.000	6.625	API REG

SURVEY

TYPE	MD (ft)	DEG (°)	AZI (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	V.SECT (ft)	D.L (°/100ft)
	942.0	1.40		941.9	11.21	0.15	11.21	0.23
	726.0	0.90		726.0	6.88	0.07	6.88	0.00

CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
OH	CONDUCTOR	20.000	94.00	H-40	51.0
OH	SURFACE	13.375	48.00	H-40	1,010.0

MUD PUMPS/HYDRAULICS					SPP: 750 (psi)	SPR	
	STROKE	SPM	LINER	FLOW RATE	AV(DP):	SPM	PPSR
# 1	10.00	96.00	6.500	393.0	AV(DC):		
					HP: 0.205 (hp/in <sup>2</sup> )		

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
JW MULLOYCONSULTING	1	24.00	CAPSTAR DRILLING Inc.	1	24.00
CAPSTAR DRILLING Inc.	12	96.00			

TOTAL PERSONNEL ON BOARD: 14

TOTAL HOURS ON BOARD: 144

MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
DIESEL, RIG FUEL	gal	300	3865				



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WELLBORE NAME UNIVERSITY LANDS A 37 1H				DATE 12-27-2011
API # 4210335938 00	24 HRS PROG 356.0 (ft)	TMD 1,010.0 (ft)	TVD 1,009.9 (ft)	REPT NO 6

SAFETY DRILLS

RAMS (psi)	ANNULARS (psi)	CASING	LAST BOP PRESS TEST	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	ABND. DRILL

INCIDENT REPORT

INCIDENTS TYPE	NONE	LOST TIME?	NO	INCIDENTS DESCRIPTION
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MUD INVENTORY

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



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WELLBORE NAME UNIVERSITY LANDS A 37 1H					DATE 12-28-2011						
API # 4210335938 00		24 HRS PROG (ft)		TMD 1,010.0 (ft)		TVD 1,009.9 (ft)		REPT NO 7			
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE		AUTH TMD 7,655.00 (ft)		PLANNED DOW 20.00 (days)		DFS / KO 2.50 (days)		DOL 5.50 (days)	
SPUD DATE 12-26-2011 12:00		RIG RELEASE		SUPERVISOR TIM BERRY (318) 547-3641				ENGINEER ROBERT CLARY		PBTMD	
REGION PERMIAN		DISTRICT NOTREES - TX CZ		STATE / PROV TEXAS		COUNTY / PARISH CRANE		RIG PHONE NO 281-532-5388		RIG FAX NO 432-818-1198	
AFE # PA-11-0516-D		AFE COSTS		DAILY COSTS				CUMULATIVE COSTS			
DESCRIPTION: DRILL A HORIZONTAL GRAYBURG WELL		DHC: 1,106,300 DCC: CWC: Others: TOTAL: 1,106,300		DHC: 78,154 DCC: CWC: Others: TOTAL: 78,154				DHC: 321,211 DCC: CWC: Others: TOTAL: 321,211			
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)		LAST SAFETY MEETING 12/28/2011		BLOCK		OCSG#		TARGET FORMATION GRAYBURG		BHA HRS OF SERVICE	
LAST SURVEY				LAST CSG SHOE TEST (EMW)		LAST CASING		NEXT CASING			
MD 942.0 (ft) INC 1.40° AZM 0.00°						20.000 in @ 51.0 ft		13.375 in @ 980.0 ft			

CURRENT OPERATIONS: WELD ON 13 3/8 WELL HEAD

24 HR SUMMARY: TRIPPING IN & OUT HOLE WASHING & REAMING TIGHT SPOT F/65'FT TO 95'FT, FINISH RUNING 13 3/8 SURFACE CASING WITH LEWIS CASING CREW & CEMENT WITH OTEX

24 HR FORECAST: NIPPLE UP BOP & TEST, TRIP IN HOLE DRILLING OUT SHOE TRC AN DRILL 11" INTERM.

DAILY OP COMMENTS

TRIPPING IN & OUT HOLE WASHING & REAMING TIGHT SPOT, FINISH RUNING 13 3/8 SURFACE CASING & CEMENT SAME

OPERATION SUMMARY

From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY
0:00	5:00	5.00	P-DRL	TRIP	PP		PICKING UP & MAKING UP BIT, IBS & ADJUSTING ON APACHE TO MAKE UP IBS
5:00	6:00	1.00	P-DRL	TRIP	PP		TRIP IN HOLE 91'FT
6:00	11:00	5.00	P-DRL	RMWASH	PP		WASH & REAMING F/91'FT TO 1010'FT
11:00	11:30	0.50	P-DRL	CIRC	PP		CIRCULATE & CONDTION HOLE
11:30	12:30	1.00	P-DRL	TRIP	PP		TRIP OUT OF HOLE 71'FT WITH FLOW CHECKS
12:30	15:00	2.50	P-DRL	RMWASH	PP		WASH & REAM 71'FT TO 91'FT
15:00	19:30	4.50	P-DRL	TRIP	PP		WELDER HAD TO HEAT UP 8" DC & IBS TO BREAK-OUT & CONTINUE TRIPPING OUT OF HOLE
19:30	22:00	2.50	S-CSG	CSG	PP		TRRC CALLED ON 12/28/2011 @ 11:00 HRS  13.375" 48# H-40 ST&C SURFACE CSG RAN BY LEWIS CASING CREW AS FOLLOWS BTM TO TOP WEATHERFORD TEXAS PATTERN SHOE = 0.80" 1- JNT 13.375" 48# H-40 ST&C = 40.76' WEATHERFORD FLOAT COLLAR = 1.08' 24- JNTS 13.375" 48# H-40 ST&C = 962.59' 1- 13.375" CUT JNT 13.375" 48# H-40 ST&C = 35.77' KB - TOP CSG (GL) = 11.00'  CASING SET @ 1013.00' STICK UP = 6.5' CENTRALIZERS RAN = 10
22:00	22:30	0.50	P-DRL	CIRRUN	PP		CIRCULATE CASING
22:30	0:00	1.50	S-CMT	CMTPRI	PP		RU / O TEX AND PUMP 20 BBL FW SPACER  LEAD W/ 650 SKS C PREMIUM PLUS CEMENT MIXED @ 13.5 PPG @ 1.74 CF / SK 9.14 GAL PER SK = 141 MIXING WATER TOTAL= 1131 CF FOR 201 BBL / SLY CALCULATED @ 100% EXCESS





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WELLBORE NAME UNIVERSITY LANDS A 37 1H				DATE 12-28-2011
API # 4210335938 00	24 HRS PROG (ft)	TMD 1,010.0 (ft)	TVD 1,009.9 (ft)	REPT NO 7

OPERATION SUMMARY

From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY
							TAIL W/ 200 SKS PREMIUM PLUS CEMENT MIXED @ 14.8 PPG @ 1.34 CF / SKS 6.32 GAL PER SK = = 30 BBL MIXING WATER TOTAL = 268 CF = 48 BBL SLY CALCULATED @ 100% EXCESS  DISPLACE W / 153 BBL FRESH WATER BUMPED PLUG @ 1249 HRS ON 12/29/2011 W / 376 PSI TO 847 PSI HELD 5 MIN. GOOD CIRCULATED 20 BBL CEMENT TO SURFACE

24.00 = Total Hours Today

06:00 UPDATE

0000-0600 FINISH CEMENT WITH OTEX & WOC, CUT OFF & WELD ON 13 3/8 WELL HEAD.

BIT DATA

BIT / RUN	SIZE (in)	MANUFACTURER	TYPE	SERIAL NO	JETS OR TFA	DEPTH IN / DATE IN	I-O-D-L-B-G-O-R
1 / 2	17.500	LIBERTY BITS	G02YVC	MX7498	3x18	1,010.00 / 12-27-2011	-----

LCM:		MUD PROPERTIES								MUD TYPE:		FRESH WATER			
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 ( % )		
35.00	5.00/9	5/8													
Density (ppg )	8.65	ECD (ppg )	8.68	PP		DAILY COST	1,404.87	CUM COST	1405	%OIL	0.00	% H2O	97.50		

BHA	2	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)		830.17 (ft)	

COMPONENT TYPE	ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
		0	182.83				
	6" DC	24	715.22	6.000	2.250	4.500	NC46 XH
	X/O	1	2.45	6.000	2.250	4.500	NC46 XH
	8: DC	3	91.73	8.000	2.250	6.625	API REG
	IBS	1	5.75	8.000	2.250	6.625	API REG
	IBS	1	8.04	8.000	2.250	6.625	API REG
	BIT SUB	1	3.13	8.000	2.250	6.625	API REG
	BIT SUB	1	2.85	8.000	2.250	6.625	API REG
	17.5 SURFACE	1	1.00	17.500	2.250	17.500	API REG

CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
OH	CONDUCTOR	20.000	94.00	H-40	51.0
OH	SURFACE	13.375	48.00	H-40	1,010.0

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



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WELLBORE NAME UNIVERSITY LANDS A 37 1H				DATE 12-28-2011
API # 4210335938 00	24 HRS PROG (ft)	TMD 1,010.0 (ft)	TVD 1,009.9 (ft)	REPT NO 7

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
JW MULLOYCONSULTING	1	24.00	JW MULLOYCONSULTING	1	24.00
CAPSTAR DRILLING Inc.	1	24.00	LEWIS CASING CREWS	4	5.50
CAPSTAR DRILLING Inc.	12	96.00			

TOTAL PERSONNEL ON BOARD: 19

TOTAL HOURS ON BOARD: 174

MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
DIESEL, RIG FUEL	gal	748	3117				

SAFETY DRILLS

RAMS (psi)	ANNULARS (psi)	CASING	LAST BOP PRESS TEST	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	ABND. DRILL

INCIDENT REPORT

INCIDENTS TYPE	NONE	LOST TIME?	NO	INCIDENTS DESCRIPTION 2 / S/M WITH LEWIS CASING CREW & OTEX CEMENTERS
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MUD INVENTORY

ITEM	UNIT	USAGE	Day Cost (\$)	ON HAND
DRLG MUD		1,404.87	1,404.87	0.00



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WELLBORE NAME UNIVERSITY LANDS A 37 1H					DATE 12-29-2011						
API # 4210335938 00		24 HRS PROG 15.0 (ft)		TMD 1,028.0 (ft)		TVD 1,027.9 (ft)		REPT NO 8			
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE		AUTH TMD 7,655.00 (ft)		PLANNED DOW 20.00 (days)		DFS / KO 3.50 (days)		DOL 6.50 (days)	
SPUD DATE 12-26-2011 12:00		RIG RELEASE		SUPERVISOR TIM BERRY (318) 547-3641				ENGINEER ROBERT CLARY		PBTMD	
REGION PERMIAN		DISTRICT NOTREES - TX CZ		STATE / PROV TEXAS		COUNTY / PARISH CRANE		RIG PHONE NO 281-532-5388		RIG FAX NO 432-818-1198	
AFE # PA-11-0516-D		AFE COSTS		DAILY COSTS				CUMULATIVE COSTS			
DESCRIPTION: DRILL A HORIZONTAL GRAYBURG WELL		DHC: 1,106,300 DCC: CWC: Others: TOTAL: 1,106,300		DHC: 50,338 DCC: CWC: Others: TOTAL: 50,338				DHC: 393,750 DCC: CWC: Others: TOTAL: 393,750			
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)		LAST SAFETY MEETING 12/29/2011		BLOCK		OCSG#		TARGET FORMATION GRAYBURG		BHA HRS OF SERVICE	

LAST SURVEY				LAST CSG SHOE TEST (EMW)		LAST CASING		NEXT CASING	
MD	942.0 (ft)	INC	1.40°	AZM	0.00°	13.375 in @ 1,013.0 ft		8.625 in @ 3,000.0 ft	

CURRENT OPERATIONS: TRIPPING IN HOLE WITH BHA @ 966'FT,

24 HR SUMMARY: TRRC WAS CALLED @ 11AM 12-28-11,(JOB # 14606), FINISH PUMPING CEMENT W/ OTEX W/ 850SKS, 20BBLs BK TO SURFACE @ 64SKS, 1/2BBL BLED BK, WOC 4HRS, WELD ON 13 3/8 WELL HEAD, N/U BOP TEST 250PSI, RIG REPAIR M/U BHA & BIT DRILL OUT FLOAT EQ. & SHOE TRAC, DRLG

24 HR FORECAST: CONTINUE DRILLING TO 2322'FT & POOH FOR DIRECTIONAL TOOLS WITH DDC.

DAILY OP COMMENTS

TRRC WAS CALLED @ 11AM 12-28-11,(JOB # 14606), FINISH PUMPING CEMENT W/ OTEX W/ 850SKS, 20BBLs BK TO SURFACE @ 64SKS, 1/2BBL BLED BK, WOC 4HRS, WELD ON 13 3/8 WELL HEAD, N/U BOP TEST 250PSI, RIG REPAIR M/U BHA & BIT DRILL OUT FLOAT EQ. & SHOE TRAC, DRLG

OPERATION SUMMARY							
From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY
0:00	1:00	1.00	S-CMT	CMTPRI	PP		CEMENT WITH O TEX WITH 850SKS, 20BBLs TO SURFACE @ 64SKS, CIP @ 12:50PM
1:00	5:00	4.00	S-CMT	WOC	PP		WOC
5:00	9:00	4.00	S-NUP	WLHEAD	PP		CUT CONDUCTOR & WELD ON 13 3/8 WELLHEAD TESTING @ 500PSI
9:00	12:00	3.00	S-NUP	BOPS	PP		NIPPLE UP BOP
12:00	12:30	0.50	S-NUP	BOPS	PP		TESTING BOP @ 250LOW
12:30	14:00	1.50	S-NUP	RU_RD	PP		RIGGING UP FLOWLINE & ALL JET HOSES TO DRILL WITH
14:00	18:00	4.00	S-NUP	WOO	PN	RO	RIG REPAIR CHANGE OUT LOWER SEALS IN POWER HEAD SWIVEL WITH CAPSTAR MECHANIC
18:00	21:30	3.50	S-DRL	RIH	PP		MAKE-UP BIT & BHA TRIP IN HOLE TAGGING @ 968'FT
21:30	23:30	2.00	S-DRL	DOCMT	PP		DRLG OUT FLOAT EQUIPMENT & SHOE TRAC
23:30	0:00	0.50	INT-DRL	DRLG	PP		DRLG 11" F/1013'FT TO 1028'FT, 15'FT, ROP30'FT

24.00 = Total Hours Today

06:00 UPDATE

0000-0600 TRIPPING IN HOLE @ 966'FT

BIT DATA							
BIT / RUN	SIZE (in)	MANUFACTURER	TYPE	SERIAL NO	JETS OR TFA	DEPTH IN / DATE IN	I-O-D-L-B-G-O-R
3 / 1	11.000	LIBERTY BITS	LH8156	FDSC	3x16	1,013.00 / 12-29-2011	-----



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WELLBORE NAME				DATE
UNIVERSITY LANDS A 37 1H				12-29-2011
API #	24 HRS PROG	TMD	TVD	REPT NO
4210335938 00	15.0 (ft)	1,028.0 (ft)	1,027.9 (ft)	8

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	5/20	40/65	307.05	555	245.24	0.50	15.0	30.0	0.50	15.0	30.0

MOTOR OUTPUT

RPV:			ROTARY CURRENT: 55			TOTAL RPM: 55		
LCM:			MUD PROPERTIES			MUD TYPE:		

VIS (s/qt )	PV/YP (cp ) / (lb/100ft <sup>2</sup> )	GELS (lb/100ft <sup>2</sup> )	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	1405	%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)		85.0 (kip)		85.0 (kip)		85.0 (kip)		(ft-lbf)		790.47 (ft)	

COMPONENT TYPE	ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
	4.5 DP	8	251.53	8.000	2.500	6.580	API REG
	6"DC	24	715.22	6.500	2.500	4.500	XH
	XO	1	2.45	8.000	2.500	4.500	XH
	8"DC	2	61.78	8.000	2.500	6.580	API REG
	SHOCK SUB	1	10.02	8.000	2.500	6.580	API REG
	LIBERTY BITS	1	1.00	11.000	3.000	6.580	API REG

CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
OH	CONDUCTOR	20.000	94.00	H-40	51.0
OH	SURFACE	13.375	48.00	H-40	1,013.0

MUD PUMPS/HYDRAULICS					SPR		
	STROKE	SPM	LINER	FLOW RATE	SPM		PPSR
# 1	10.00	75.00	6.500	307.1			
SPP: 555 (psi)							
AV(DP):							
AV(DC):							
HP: 0.462 (hp/in <sup>2</sup> )							

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
ARC ANGEL	1	12.00	JW MULLOYCONSULTING	1	24.00
CAPSTAR DRILLING Inc.	1	24.00	DEL,S INSPECTION SERVICE	1	5.00
DDC	4	48.00	CAPSTAR DRILLING Inc.	12	96.00

TOTAL PERSONNEL ON BOARD: 20

TOTAL HOURS ON BOARD: 209

MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
DIESEL, RIG FUEL	gal	624	2493				



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WELLBORE NAME UNIVERSITY LANDS A 37 1H				DATE 12-29-2011
API # 4210335938 00	24 HRS PROG 15.0 (ft)	TMD 1,028.0 (ft)	TVD 1,027.9 (ft)	REPT NO 8

SAFETY DRILLS

RAMS (psi)	ANNULARS (psi)	CASING	LAST BOP PRESS TEST	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	ABND. DRILL

INCIDENT REPORT

INCIDENTS TYPE NONE	LOST TIME? NO	INCIDENTS DESCRIPTION SAFETY MEETING WITH DRILL CREW & WELDER, HAVING ALL REQUIRED WORK PERMITS IN PLACE, NIPPLE UP BOP, REVIEW OVER JSA'S
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MUD INVENTORY

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



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WELLBORE NAME UNIVERSITY LANDS A 37 1H						DATE 12-30-2011					
API # 4210335938 00		24 HRS PROG 1,149.0 (ft)		TMD 2,177.0 (ft)		TVD 2,176.6 (ft)		REPT NO 9			
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE		AUTH TMD 7,655.00 (ft)		PLANNED DOW 20.00 (days)		DFS / KO 4.50 (days)		DOL 7.50 (days)	
SPUD DATE 12-26-2011 12:00		RIG RELEASE		SUPERVISOR LARRY VAN GILDER (832)-777-7209				ENGINEER ROBERT CLARY		PBTMD	
REGION PERMIAN		DISTRICT NOTREES - TX CZ		STATE / PROV TEXAS		COUNTY / PARISH CRANE		RIG PHONE NO 281-532-5388		RIG FAX NO 432-818-1198	
AFE # PA-11-0516-D		AFE COSTS		DAILY COSTS				CUMULATIVE COSTS			
DESCRIPTION: DRILL A HORIZONTAL GRAYBURG WELL		DHC: 1,106,300 DCC: CWC: Others: TOTAL: 1,106,300		DHC: 20,294 DCC: CWC: Others: TOTAL: 20,294				DHC: 374,044 DCC: CWC: Others: TOTAL: 374,044			
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)		LAST SAFETY MEETING 12/30/2011		BLOCK		OCSG#		TARGET FORMATION GRAYBURG		BHA HRS OF SERVICE	
LAST SURVEY MD 942.0 (ft) INC 1.40° AZM 0.00°				LAST CSG SHOE TEST (EMW)		LAST CASING 13.375 in @ 1,013.0 ft		NEXT CASING 8.625 in @ 3,000.0 ft			

CURRENT OPERATIONS: POOH RUNNING GYRO W/ GYRO DATA

24 HR SUMMARY: DRLG 11" F/1042'FT TO 2177'FT RIG SERVICE, 1.5HRS NPT ON MP'S,

24 HR FORECAST: FINISH POOH RUNNING GYRO & PICKING DIRECTIONAL TOOLS WITH DDC & TIH

OPERATION SUMMARY

From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY
0:00	0:30	0.50	INT-DRL	DRLG	PP		DRLG F/1028'FT TO 1042'FT, 14'FT, 28'FPH
0:30	3:30	3.00	INT-DRL	TRIPBHA	PP		POOH BHA #3, FOR BIT & BHA #4
3:30	6:00	2.50	INT-DRL	TRIPBHA	PP		MAKE-UP MT BIT & TRIP IN HOLE WITH BHA #4
6:00	7:00	1.00	INT-DRL	RIGSER	PP		FLOW-LINE STOPPED UP & REMOVE FLOWLINE TO GET RUBBER OUT
7:00	7:30	0.50	INT-DRL	RMWASH	PP		WASH & WORK THRU FLOAT COLLAR & SHOE AREA SIGNS OF WEIGHT
7:30	10:00	2.50	INT-DRL	DRLG	PP		DRLG F/1042'FT TO 1131'FT, 89'FT, 35.6FPH
10:00	10:30	0.50	INT-DRL	RIGSER	PP		RIG SERVICE
10:30	17:00	6.50	INT-DRL	DRLG	PP		DRLG F/1131'FT TO 1806'FT, 764'FT, 117.5FPH
17:00	18:30	1.50	INT-DRL	RIGSER	PN	MP	WORKING ON BOTH MP'S DUE TO SWAPS & LINERS
18:30	0:00	5.50	INT-DRL	DRLG	PP		DRLG F/1806'FT TO 2177'ft 371'ft, 67.4FPH

24.00 = Total Hours Today

06:00 UPDATE

0000-0600 0000-0600 DRLG F/2177'FT TO 2322'FT, 3HRS DRILLING, 145'FT, 48.3FPHR, PUMPED & CIRCULATED SWEEP AROUND & DROPPED GYRO AN POOH SURVEY EVERY 100'FT W/ GYRO DATA.

BIT DATA

BIT / RUN	SIZE (in)	MANUFACTURER	TYPE	SERIAL NO	JETS OR TFA	DEPTH IN / DATE IN	I-O-D-L-B-G-O-R
3 / 1	11.000	LIBERTY BITS	LH8156	FDSC	3x16	1,013.00 / 12-29-2011	0-0-NO-A-0-I-NO-BHA
4 / 1	11.000	VAREL	616	4003280	9x15	1,042.00 / 12-30-2011	-----

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			429.87		69.84			0.0	0.00	1,135.0	0.0

MOTOR OUTPUT

RPV: ROTARY CURRENT: TOTAL RPM: 0



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WELLBORE NAME				DATE
UNIVERSITY LANDS A 37 1H				12-30-2011
API #	24 HRS PROG	TMD	TVD	REPT NO
4210335938 00	1,149.0 (ft)	2,177.0 (ft)	2,176.6 (ft)	9

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					0.25									
Density (ppg )	9.90	ECD (ppg )	9.91	PP		DAILY COST	205.12	CUM COST	1610	%OIL		% H2O	88.60		

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)		95.0 (kip)		95.0 (kip)		95.0 (kip)		(ft-lbf)		808.42 (ft)	

COMPONENT TYPE		ITEM DESCRIPTION			NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
		4.5 DP			8	1,513.58	8.000	2.500	6.580	API REG
		6"DC			24	715.22	6.500	2.500	4.500	XH
		XO			1	2.45	8.000	2.500	4.500	XH
		8"DC			2	61.78	8.000	2.500	6.580	API REG
		IBS			1	8.06	6.250	2.250	6.580	API REG
		TELE DRIFT			1	9.89		2.250		
		SHOCK SUB			1	10.02	8.000	2.500	6.580	API REG
		VAREL 616			1	1.00	11.000	3.000	6.580	API REG

CASING						
S/T	DESCRIPTION		SIZE	WEIGHT	GRADE	SETTING DEPTH
OH	CONDUCTOR		20.000	94.00	H-40	51.0
OH	SURFACE		13.375	48.00	H-40	1,013.0

MUD PUMPS/HYDRAULICS					SPP:  AV(DP):  AV(DC):  HP:           0.184 (hp/in²)	SPR		
	STROKE	SPM	LINER	FLOW RATE			SPM	PPSR
# 1	10.00	105.00	6.500	429.9				

PERSONNEL DATA					
COMPANY	QTY	HRS	COMPANY	QTY	HRS
PASON SYSTEMS USA	1	2.50	CAPSTAR DRILLING Inc. RIG MANAGER	1	24.00
JW MULLOYCONSULTING	1	24.00	DDC	4	48.00
CAPSTAR DRILLING Inc.	12	96.00			

TOTAL PERSONNEL ON BOARD: 19

TOTAL HOURS ON BOARD: 195

MATERIALS/CONSUMPTION							
ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
DIESEL, RIG FUEL	gal	872	1621				

SAFETY DRILLS							
RAMS (psi)	ANNULARS (psi)	CASING	LAST BOP PRESS TEST	NEXT BOP PRESS TEST	FIRE DRILL	H <sub>2</sub> S DRILL	ABND. DRILL

INCIDENT REPORT			
INCIDENTS TYPE	NONE	LOST TIME?	NO
INCIDENTS DESCRIPTION WORKING WITH NEW SSE, DRLG AHEAD & MAKING CONNECTION WITH PIPE ARM.			



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WELLBORE NAME UNIVERSITY LANDS A 37 1H				DATE 12-30-2011
API # 4210335938 00	24 HRS PROG 1,149.0 (ft)	TMD 2,177.0 (ft)	TVD 2,176.6 (ft)	REPT NO 9

MUD INVENTORY				
ITEM	UNIT	USAGE	Day Cost (\$)	ON HAND
DRLG MUD		205.12	205.12	0.00





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WELLBORE NAME UNIVERSITY LANDS A 37 1H						DATE 12-31-2011						
API # 4210335938 00		24 HRS PROG 187.0 (ft)		TMD 2,364.0 (ft)		TVD 2,363.5 (ft)		REPT NO 10				
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE		AUTH TMD 7,655.00 (ft)		PLANNED DOW 20.00 (days)		DFS / KO 5.50 (days)		DOL 8.50 (days)		
SPUD DATE 12-26-2011 12:00		RIG RELEASE		SUPERVISOR TIM BERRY (318) 547-3641				ENGINEER ROBERT CLARY		PBTMD		
REGION PERMIAN		DISTRICT NOTREES - TX CZ		STATE / PROV TEXAS		COUNTY / PARISH CRANE		RIG PHONE NO 281-532-5388		RIG FAX NO 432-818-1198		
AFE # PA-11-0516-D		AFE COSTS		DAILY COSTS				CUMULATIVE COSTS				
DESCRIPTION: DRILL A HORIZONTAL GRAYBURG WELL		DHC: 1,106,300 DCC: CWC: Others: TOTAL: 1,106,300		DHC: 73,636 DCC: CWC: Others: TOTAL: 73,636				DHC: 447,680 DCC: CWC: Others: TOTAL: 447,680				
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)		LAST SAFETY MEETING 12/31/2011		BLOCK		OCSG#		TARGET FORMATION GRAYBURG		BHA HRS OF SERVICE		
LAST SURVEY MD 2,267.1 (ft) INC 1.19° AZM 50.11°				LAST CSG SHOE TEST (EMW)		LAST CASING 13.375 in @ 1,013.0 ft		NEXT CASING 8.625 in @ 3,000.0 ft				
CURRENT OPERATIONS: TESTING MWD GAMMA PROBE												
24 HR SUMMARY: POOH WITH GYRO DATA, SEND MTRS TO STABDRILL TO DAIL UP F/1.83* TO 2.12*, M/U BIT & BHA #5, TIH TO 2322'FT DRLG F/ 2322'FT TO 2364'FT, 42'FT, 14FPH, 100% SLIDE												
24 HR FORECAST: TIH & BUILD CURVE W/ 11" BUILD ASSEMBLY BHA												
OPERATION SUMMARY												
From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY					
0:00	3:00	3.00	INT-DRL	DRLG	PP		DRLG 11" F/2177'FT TO 2322'FT, 145'FT, 48'FPH					
3:00	3:30	0.50	INT-DRL	CIRC	PP		CIRCULATE & PUMP SWEEP AROUND					
3:30	7:30	4.00	INT-DRL	POOH	PP		DROP GYRO & POOH FOR DIRECTIONAL TOOLS W/ DDC					
7:30	8:00	0.50	INT-DRL	RIGSER	PP		RIG SERVICE & F/T BOP					
8:00	9:00	1.00	INT-DRL	TRIPBHA	PP		PICK-UP DIRECTIONAL TOOLS WITH DDC BREAK-OUT ADJUSTABLE 1.83* TO A 2.12* APACHE HAVING TROUBLE.					
9:00	14:00	5.00	INT-DRL	WOO	PN	MM	CALL OUT HOT-SHOT TO PICK-UP MTRS TO TAKE TO STABDRILL YARD TO DIAL F/1.83* TO 2.12* TRUCK ARRIVED ON LOCATION @ 11:00AM					
14:00	21:00	7.00	INT-DRL	TRIP	PP		P/U 2.12* MTR & BIT#5, SCRIBE & ORIENT MWWO, TRIP IN HOLE					
21:00	0:00	3.00	INT-DRL	DRLG	PP		DRLG F/ 2322'FT TO 2364'FT, 42'FT, 14'FTPH / KOP @ 2322'FT					
24.00 = Total Hours Today												
06:00 UPDATE												
0000-0600 00:00 - 0600 RIG SERVICE, CIRCULATE HOLE & POOH FOR MWD GAMMA PROBE, CHANGE OUT GAMMA PROBE & SURFACE TEST NEW GAMMA PROBE STILL HAVING TROUBLE WITH TOOL												
BIT DATA												
BIT / RUN		SIZE (in)	MANUFACTURER		TYPE	SERIAL NO	JETS OR TFA		DEPTH IN / DATE IN		I-O-D-L-B-G-O-R	
5 / 1		11.000	VAREL		HE04JMPS	1222434	3x16		2,322.00 / 12-31-2011		-----	
4 / 1		11.000	VAREL		616	4003280	9x15		1,042.00 / 12-30-2011		-----	
BIT OPERATIONS												
BIT / RUN		WOB	RPM	FLOW RATE	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP
5/1		23/30	0/0	491.28	1714	634.23	3.00	42.0	14.0	3.00	42.0	14.0
4/1		18/25	100/105	491.28	979	90.38	3.00	145.0	48.3	17.50	1,280.0	73.1
MOTOR OUTPUT												
RPV: 0.16rev/gal				ROTARY CURRENT: 105				TOTAL RPM: 105				



APACHE CORPORATION  
Daily Drilling Report

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WELLBORE NAME UNIVERSITY LANDS A 37 1H												DATE 12-31-2011	
API # 4210335938 00		24 HRS PROG 187.0 (ft)		TMD 2,364.0 (ft)		TVD 2,363.5 (ft)		REPT NO 10					
LCM: MUD PROPERTIES MUD TYPE: BRINE													
VIS (s/qt )	PV/YP (cp ) / (lb/100ft <sup>2</sup> )	GELS (lb/100ft <sup>2</sup> )	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													
Density (ppg )	9.90			PP		DAILY COST	0.00	CUM COST	1610	%OIL		% H2O	
BHA	5	JAR S/N		BHA / HOLE CONDITIONS					JAR HRS		BIT	5	
BHA WT BELOW JARS		STRING WT UP		STRING WT DN		STRING WT ROT		TORQUE/UNITS		BHA LENGTH			
(kip)		109.0 (kip)		103.0 (kip)		106.0 (kip)		(ft-lbf)		1,668.89 (ft)			
COMPONENT TYPE		ITEM DESCRIPTION				NO JTS	LENGTH	O.D	I.D	CONN SIZE		CONN TYPE	
		4.5 DP				23	695.11	4.500	3.826			XH	
		6.25 DC				21	622.56	6.250	2.750			NC46 XH	
		4.5 DP				30	952.25	8.000	2.500	6.580		API REG	
		XO				1	2.58	6.580	2.875	4.500		XH	
		SLICK NMDC				1	29.40	7.750	3.250	6.580		API REG	
		SLICK NMDC				1	30.37	7.750	3.250	6.580		API REG	
		UBHO				1	2.55	7.750		6.580		API REG	
		MUD MTR.				1	28.18	7.750		6.580		API REG	
		VAREL HE04JMRS				1	1.00	11.000	3.000	6.580		API REG	



APACHE CORPORATION  
Daily Drilling Report

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WELLBORE NAME UNIVERSITY LANDS A 37 1H				DATE 12-31-2011
API # 4210335938 00	24 HRS PROG 187.0 (ft)	TMD 2,364.0 (ft)	TVD 2,363.5 (ft)	REPT NO 10

SURVEY								
TYPE	MD (ft)	DEG (°)	AZI (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	V.SECT (ft)	D.L (°/100ft)
Tie On	2,309.0	0.80	71.30	2,308.5	3.05	0.53	3.06	1.26
	2,267.1	1.19	50.11	2,266.6	2.68	-0.09	2.68	0.21
	2,267.1	1.19	50.11	2,266.6	2.68	-0.09	2.68	0.21
	2,173.0	1.38	52.80	2,172.6	1.37	-1.74	1.34	0.14
	2,078.9	1.50	55.09	2,078.5	-0.02	-3.65	-0.09	0.25
	1,984.8	1.73	53.18	1,984.4	-1.58	-5.80	-1.68	0.12
	1,890.7	1.83	51.80	1,890.4	-3.36	-8.12	-3.51	0.34
	1,796.6	1.64	43.12	1,796.3	-5.27	-10.22	-5.46	0.15
	1,702.5	1.69	38.47	1,702.3	-7.34	-12.00	-7.56	0.48
	1,608.4	1.56	23.20	1,608.2	-9.60	-13.37	-9.85	0.84
	1,514.3	0.95	359.58	1,514.1	-11.56	-13.87	-11.82	1.04
	1,420.2	0.53	282.45	1,420.0	-12.43	-13.44	-12.68	0.46
	1,326.1	0.79	250.99	1,325.9	-12.32	-12.40	-12.55	0.37
	1,232.0	1.12	243.77	1,231.8	-11.70	-10.96	-11.90	0.17
	1,137.9	0.96	242.46	1,137.8	-10.93	-9.44	-11.10	0.38
	1,043.8	1.31	247.03	1,043.7	-10.14	-7.75	-10.29	0.03
	949.7	1.32	245.88	949.6	-9.28	-5.77	-9.39	0.37
	855.6	0.97	245.99	855.5	-8.51	-4.05	-8.59	0.33
	764.2	1.02	228.61	764.1	-7.66	-2.73	-7.71	0.19
	675.2	1.10	220.38	675.2	-6.49	-1.59	-6.51	0.19
	585.8	0.97	213.95	585.8	-5.20	-0.61	-5.22	0.09
	496.0	0.89	214.24	496.0	-4.00	0.21	-3.99	0.54
	407.0	0.43	200.65	407.0	-3.11	0.72	-3.10	0.20
	317.0	0.39	175.54	317.0	-2.49	0.81	-2.48	0.26
	228.0	0.58	159.09	228.0	-1.77	0.63	-1.76	0.09
	138.0	0.61	166.71	138.0	-0.88	0.36	-0.87	0.43
	109.0	0.66	156.29	109.0	-0.57	0.25	-0.57	0.61
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
OH	CONDUCTOR		20.000	94.00	H-40	51.0
OH	SURFACE		13.375	48.00	H-40	1,013.0

MUD PUMPS/HYDRAULICS					SPR		
	STROKE	SPM	LINER	FLOW RATE	SPP: 1714 (psi)		
					AV(DP):		
# 1	10.00	60.00	6.500	245.6	AV(DC):	SPM	PPSR
# 2	10.00	60.00	6.500	245.6	HP: 1.913 (hp/in²)		

PERSONNEL DATA					
COMPANY		QTY	HRS	COMPANY	
JW MULLOYCONSULTING		1	24.00	CAPSTAR DRILLING Inc. RIG MANAGER	
DDC		4	48.00	CAPSTAR DRILLING Inc.	

TOTAL PERSONNEL ON BOARD: 18

TOTAL HOURS ON BOARD: 192

MATERIALS/CONSUMPTION							
ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
DIESEL, RIG FUEL	gal	561	1060				



APACHE CORPORATION  
Daily Drilling Report

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WELLBORE NAME UNIVERSITY LANDS A 37 1H				DATE 12-31-2011
API # 4210335938 00	24 HRS PROG 187.0 (ft)	TMD 2,364.0 (ft)	TVD 2,363.5 (ft)	REPT NO 10

SAFETY DRILLS

RAMS (psi)	ANNULARS (psi)	CASING	LAST BOP PRESS TEST	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	ABND. DRILL

INCIDENT REPORT

INCIDENTS TYPE NONE	LOST TIME? NO	INCIDENTS DESCRIPTION PICKING UP DIRECTIONAL TOOLS WITH DDC, TRIPPING IN HOLE HOUSEKEEPING AROUND THE RIG
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MUD INVENTORY

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



APACHE CORPORATION  
Daily Drilling Report

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WELLBORE NAME UNIVERSITY LANDS A 37 1H						DATE 01-01-2012					
API # 4210335938 00		24 HRS PROG 127.0 (ft)		TMD 2,491.0 (ft)		TVD 2,490.0 (ft)		REPT NO 11			
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE		AUTH TMD 7,655.00 (ft)		PLANNED DOW 20.00 (days)		DFS / KO 6.50 (days)		DOL 9.50 (days)	
SPUD DATE 12-26-2011 12:00		RIG RELEASE		SUPERVISOR TIM BERRY (318) 547-3641				ENGINEER ROBERT CLARY		PBTMD	
REGION PERMIAN		DISTRICT NOTREES - TX CZ		STATE / PROV TEXAS		COUNTY / PARISH CRANE		RIG PHONE NO 281-532-5388		RIG FAX NO 432-818-1198	
AFE # PA-11-0516-D		AFE COSTS		DAILY COSTS				CUMULATIVE COSTS			
DESCRIPTION: DRILL A HORIZONTAL GRAYBURG WELL		DHC: 1,106,300 DCC: CWC: Others: TOTAL: 1,106,300		DHC: 31,253 DCC: CWC: Others: TOTAL: 31,253				DHC: 478,933 DCC: CWC: Others: TOTAL: 478,933			
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)		LAST SAFETY MEETING 11/1/2012		BLOCK		OCSG#		TARGET FORMATION GRAYBURG		BHA HRS OF SERVICE	
LAST SURVEY MD 2,434.0 (ft) INC 6.30° AZM 158.90°				LAST CSG SHOE TEST (EMW)		LAST CASING 13.375 in @ 1,013.0 ft		NEXT CASING 8.625 in @ 3,000.0 ft			
CURRENT OPERATIONS: CIRCULATE HOLE @ 2586'FT											
24 HR SUMMARY: POOH DUE TO MWD PROGRAM, DDC TECH REPROGRAM TOOL & SURFACE TEST, TIH TO BOTTOM @ 2364'FT, 96% SLIDE & 4% ROT, WITH SURVEY'S											
24 HR FORECAST: CONTINUE BUILD SECTION WITH DDC TO TD +/- 2917'FT											
DAILY OP COMMENTS											
TOTAL NPT IS 16.5HRS ON DDC PROGRAM FOR MWD TOOL											
OPERATION SUMMARY											
From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY				
0:00	0:30	0.50	INT-DRL	RIGSER	PP		RIG SERVICE				
0:30	1:00	0.50	INT-DRL	CIRC	PP		CIRCULATE BOTTOMS UP				
1:00	3:30	2.50	INT-DRL	POOH	PN	MW	POOH / MWD FAILURE IN SURFACE EQUIPMENT CHANGE OUT PROGRAM				
3:30	12:00	8.50	INT-DRL	WOO	PN	MW	WAITING ON DDC TECH TO BRING OUT NEW PROGRAM TO DOWNLOAD ON TOOL				
12:00	12:30	0.50	INT-DRL	LWD	PN	MW	TESTING NEW PROGRAM & GAMMA TOOL SURFACE TEST (GOOD)				
12:30	14:00	1.50	INT-DRL	RIH	PN	MM	TRIP IN HOLE TO SHOE @ 1013'FT TEST GAMMA ( GOOD )				
14:00	17:30	3.50	INT-DRL	RIH	PN	MW	CONTINUE TRIPPING IN HOLE TO 2364'FT ( GAMMA 42'FT )				
17:30	0:00	6.50	INT-DRL	DRLG	PP		DRLG F/ 2322'FT TO 2491'FT, 127'FT, 19.5FPH 96% SLIDE, 4% ROT.				
24.00 = Total Hours Today											
06:00 UPDATE											
0000-0600 00:00-0600 CONTINUE DRILLING BUILD SECTION 100% SLIDE F/2491'FT TO 2586'FT, 95'FT, 15.8FPH, CIRC HOLE.											
BIT DATA											
BIT / RUN	SIZE (in)	MANUFACTURER		TYPE	SERIAL NO	JETS OR TFA	DEPTH IN / DATE IN		I-O-D-L-B-G-O-R		
5 / 1	11.000	VAREL		HE04JMPS	1222434	3x16	2,322.00 / 12-31-2011		-----		
BIT OPERATIONS											
BIT / RUN	WOB	RPM	FLOW RATE	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP
5/1	25/33	0/0	573.16	2108	871.97	6.50	127.0	19.5	9.50	169.0	17.8
MOTOR OUTPUT											
RPV: 0.16rev/gal				ROTARY CURRENT: 0				TOTAL RPM: 92			



## APACHE CORPORATION

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## Daily Drilling Report

WELLBORE NAME				DATE
UNIVERSITY LANDS A 37 1H				01-01-2012
API #	24 HRS PROG	TMD	TVD	REPT NO
4210335938 00	127.0 (ft)	2,491.0 (ft)	2,490.0 (ft)	11

LCM:	MUD PROPERTIES										MUD TYPE: BRINE
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VIS (s/qt)	PV/YP (cp) / (lb/100ft <sup>2</sup> )	GELS (lb/100ft <sup>2</sup> )	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H <sub>2</sub> S (%)	KCL (ppm)	LGS (%)
29.00	1.00/1					0.25							

Density (ppg)	10.00	ECD (ppg)	10.06	PP		DAILY COST	1,148.66	CUM COST	2759	%OIL		% H <sub>2</sub> O	87.50
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BHA	5	JAR S/N		BHA / HOLE CONDITIONS					JAR HRS		BIT	5
-----	---	---------	--	-----------------------	--	--	--	--	---------	--	-----	---

BHA WT BELOW JARS		STRING WT UP		STRING WT DN		STRING WT ROT		TORQUE/UNITS		BHA LENGTH		
(kip)		130.0 (kip)		120.0 (kip)		125.0 (kip)		(ft-lbf)		1,668.89 (ft)		

COMPONENT TYPE		ITEM DESCRIPTION			NO JTS	LENGTH	O.D	I.D	CONN SIZE		CONN TYPE	
		4.5 DP			26	822.11	4.500	3.826			XH	
		6.25 DC			21	622.56	6.250	2.750			NC46 XH	
		4.5 DP			30	952.25	8.000	2.500	6.580		API REG	
		XO			1	2.58	6.580	2.875	4.500		XH	
		SLICK NMDC			1	29.40	7.750	3.250	6.580		API REG	
		SLICK NMDC			1	30.37	7.750	3.250	6.580		API REG	
		UBHO			1	2.55	7.750		6.580		API REG	
		MUD MTR.			1	28.18	7.750		6.580		API REG	
		VAREL HE04JMRS			1	1.00	11.000	3.000	6.580		API REG	

SURVEY								
TYPE	MD (ft)	DEG (°)	AZI (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	V.SECT (ft)	D.L (°/100ft)
	2,434.0	6.30	158.90	2,433.3	-2.62	3.83	-2.55	5.71
	2,402.0	4.50	155.60	2,401.4	0.16	2.68	0.21	5.59
	2,372.0	2.90	147.60	2,371.5	1.87	1.79	1.90	4.61
	2,339.0	1.50	131.30	2,338.5	2.86	1.02	2.88	4.33

CASING					
S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
OH	CONDUCTOR	20.000	94.00	H-40	51.0
OH	SURFACE	13.375	48.00	H-40	1,013.0

MUD PUMPS/HYDRAULICS					SPP: 2108 (psi)	SPR	
	STROKE	SPM	LINER	FLOW RATE	AV(DP):	SPM	PPSR
# 1	10.00	70.00	6.500	286.6	AV(DC):		
# 2	10.00	70.00	6.500	286.6	HP: 3.068 (hp/in <sup>2</sup> )		

PERSONNEL DATA					
COMPANY	QTY	HRS	COMPANY	QTY	HRS
JW MULLOYCONSULTING	1	24.00	CAPSTAR DRILLING Inc. RIG MANAGER	1	24.00
DDC	4	48.00	CAPSTAR DRILLING Inc.	12	96.00

TOTAL PERSONNEL ON BOARD: 18

TOTAL HOURS ON BOARD: 192

MATERIALS/CONSUMPTION							
ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
DIESEL, RIG FUEL	gal	509	4551	BRINE	bbl		1520



APACHE CORPORATION  
Daily Drilling Report

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WELLBORE NAME UNIVERSITY LANDS A 37 1H				DATE 01-01-2012
API # 4210335938 00	24 HRS PROG 127.0 (ft)	TMD 2,491.0 (ft)	TVD 2,490.0 (ft)	REPT NO 11

SAFETY DRILLS

RAMS (psi)	ANNULARS (psi)	CASING	LAST BOP PRESS TEST	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	ABND. DRILL

INCIDENT REPORT

INCIDENTS TYPE NONE	LOST TIME? NO	INCIDENTS DESCRIPTION TRIPPING IN & OUT OF HOLE, MAKING CONNECTIONS
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MUD INVENTORY

ITEM	UNIT	USAGE	Day Cost (\$)	ON HAND
DRLG MUD		1,148.66	1,148.66	-1,148.66



APACHE CORPORATION  
Daily Drilling Report

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WELLBORE NAME UNIVERSITY LANDS A 37 1H										DATE 01-02-2012			
API # 4210335938 00		24 HRS PROG 212.0 (ft)		TMD 2,703.0 (ft)		TVD 2,692.4 (ft)		REPT NO 12					
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE		AUTH TMD 7,655.00 (ft)		PLANNED DOW 20.00 (days)		DFS / KO 7.50 (days)		DOL 10.50 (days)			
SPUD DATE 12-26-2011 12:00		RIG RELEASE		SUPERVISOR TIM BERRY (318) 547-3641				ENGINEER ROBERT CLARY		PBTMD			
REGION PERMIAN		DISTRICT NOTREES - TX CZ		STATE / PROV TEXAS		COUNTY / PARISH CRANE		RIG PHONE NO 281-532-5388		RIG FAX NO 432-818-1198			
AFE # PA-11-0516-D		AFE COSTS		DAILY COSTS		CUMULATIVE COSTS							
DESCRIPTION: DRILL A HORIZONTAL GRAYBURG WELL		DHC: 1,106,300 DCC: CWC: Others: TOTAL: 1,106,300		DHC: 31,492 DCC: CWC: Others: TOTAL: 31,492		DHC: 510,425 DCC: CWC: Others: TOTAL: 510,425							
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)		LAST SAFETY MEETING 1/2/2012		BLOCK		OCSG#		TARGET FORMATION GRAYBURG		BHA HRS OF SERVICE			
LAST SURVEY				LAST CSG SHOE TEST (EMW)		LAST CASING		NEXT CASING					
MD 2,624.0 (ft) INC 19.90° AZM 164.40°						13.375 in @ 1,013.0 ft		8.625 in @ 3,000.0 ft					
CURRENT OPERATIONS: DRLG BUILD SECTION @ 2785'FT													
24 HR SUMMARY: CIRC BTM-UP, POOH FOR 2.38" MTR, L/D 2.12" MTR & P/U 2.38", M/U BIT & TIH TO BTM @ 2586', DRLG F/ 2491' TO 2703': 212' @ 30.2FT/HR: 28-48 WOB: 100% SLIDE: 434 GPM W/ 1627 PSI: 9.9 PPG: 29 VISC: 9.5 PH: LAST SURVEY @ 2624': 19.9° DEG, AZ. 164.4													
24 HR FORECAST: TD BUILD SECTION, POOH RUN 8 5/8 WITH LEWIS & CEMENT W/ OTEX													
OPERATION SUMMARY													
From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY						
0:00	6:00	6.00	INT-DRL	DRLG	PP		DRLG BUILD SECTION F/2491'FT TO 2586'FT, 95'FT, 15.8FPH,						
6:00	7:00	1.00	INT-DRL	CIRC	PP		CIRCULATE BOTTOMS UP						
7:00	11:30	4.50	INT-DRL	TRIP	PN	MM	POOH FOR 2.38" MTR / DUE TO 2.12" MTR BUILD RATES						
11:30	17:00	5.50	INT-DRL	TRIP	PN	MM	PICK-UP NEW 2.38" MTR & M/U BIT TIH TO 1073' SURFACE TEST MWD & MTR						
17:00	0:00	7.00	INT-DRL	DRLG	PP		DRLG F/ 2586' TO 2703' ; 117' @ 16.7' FPH ; 28-48 WOB: 100% SLIDE: 434 GPM W/ 1627 PSI: BRINE 10.0 PPG: 29 VISC: 9.9 PH: LAST SURVEY @ 2624': 19.9° DEG, AZ. 164.4						
24.00 = Total Hours Today													
06:00 UPDATE													
0000-0600 00:00-0600 DRLG BUILD SECTION F/2703'FT TO 2785'FT, 82'FT, 13.6'FPH													
BIT DATA													
BIT / RUN	SIZE (in)	MANUFACTURER		TYPE	SERIAL NO	JETS OR TFA		DEPTH IN / DATE IN		I-O-D-L-B-G-O-R			
5 / 1	11.000	VAREL		HE04JMPS	1222434	3x16		2,322.00 / 12-31-2011		-----			
BIT OPERATIONS													
BIT / RUN	WOB	RPM	FLOW RATE	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP		
5/1	18/48	0/0	434.00	1627	499.95	7.00	212.0	16.7	16.50	381.0	23.1		
MOTOR OUTPUT													
RPV: 0.16rev/gal		ROTARY CURRENT: 0				TOTAL RPM: 69							
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			PP		DAILY COST	0.00	CUM COST	2759	%OIL		% H2O	87.50





## APACHE CORPORATION

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## Daily Drilling Report

WELLBORE NAME UNIVERSITY LANDS A 37 1H										DATE 01-02-2012	
API # 4210335938 00		24 HRS PROG 212.0 (ft)		TMD 2,703.0 (ft)		TVD 2,692.4 (ft)		REPT NO 12			
BHA	5	JAR S/N		BHA / HOLE CONDITIONS				JAR HRS		BIT	5
BHA WT BELOW JARS		STRING WT UP		STRING WT DN		STRING WT ROT		TORQUE/UNITS		BHA LENGTH	
(kip)		130.0 (kip)		120.0 (kip)		125.0 (kip)		(ft-lbf)		1,668.89 (ft)	
COMPONENT TYPE		ITEM DESCRIPTION				NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
		4.5 DP				26	1,034.11	4.500	3.826		XH
		6.25 DC				21	622.56	6.250	2.750		NC46 XH
		4.5 DP				30	952.25	8.000	2.500	6.580	API REG
		XO				1	2.58	6.580	2.875	4.500	XH
		SLICK NMDC				1	29.40	7.750	3.250	6.580	API REG
		SLICK NMDC				1	30.37	7.750	3.250	6.580	API REG
		UBHO				1	2.55	7.750		6.580	API REG
		MUD MTR.				1	28.18	7.750		6.580	API REG
		VAREL HE04JMRS				1	1.00	11.000	3.000	6.580	API REG
SURVEY											
TYPE	MD (ft)	DEG (°)	AZI (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	V.SECT (ft)	D.L (°/100ft)			
	2,624.0	19.90	164.40	2,618.1	-42.67	17.02	-42.35	8.52			
	2,592.0	17.20	163.20	2,587.8	-32.90	14.18	-32.63	7.35			
	2,560.0	14.90	161.40	2,557.0	-24.47	11.50	-24.25	6.83			
CASING											
S/T	DESCRIPTION			SIZE	WEIGHT	GRADE		SETTING DEPTH			
OH	CONDUCTOR			20.000	94.00	H-40		51.0			
OH	SURFACE			13.375	48.00	H-40		1,013.0			
OH	INTERMEDIATE 1			8.625	32.00	J-55		2,917.0			
MUD PUMPS/HYDRAULICS				SPP: 1627 (psi)		SPR					
	STROKE	SPM	LINER	FLOW RATE	AV(DP):			SPM		PPSR	
# 2	10.00	111.00	6.500	454.4	AV(DC):						
					HP: 1.332 (hp/in²)						
PERSONNEL DATA											
COMPANY		QTY	HRS	COMPANY		QTY	HRS				
CAPSTAR DRILLING Inc. RIG MANAGER		1	24.00	JW MULLOYCONSULTING		1	24.00				
DDC		4	48.00	CAPSTAR DRILLING Inc.		12	96.00				
TOTAL PERSONNEL ON BOARD: 18											
TOTAL HOURS ON BOARD: 192											
MATERIALS/CONSUMPTION											
ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND				
DIESEL, RIG FUEL	gal	873	3678								
SAFETY DRILLS											
RAMS (psi)	ANNULARS (psi)	CASING	LAST BOP PRESS TEST	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	ABND. DRILL				
INCIDENT REPORT											
INCIDENTS TYPE NONE		LOST TIME? NO		INCIDENTS DESCRIPTION TRIPPING IN & OUT OF HOLE USING PIPEARM, WORKING WITH DDC							



APACHE CORPORATION  
Daily Drilling Report

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WELLBORE NAME UNIVERSITY LANDS A 37 1H				DATE 01-02-2012
API # 4210335938 00	24 HRS PROG 212.0 (ft)	TMD 2,703.0 (ft)	TVD 2,692.4 (ft)	REPT NO 12

MUD INVENTORY

ITEM	UNIT	USAGE	Day Cost (\$)	ON HAND
DRLG MUD			0.00	-1,148.66



APACHE CORPORATION  
Daily Drilling Report

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WELLBORE NAME UNIVERSITY LANDS A 37 1H										DATE 01-03-2012			
API # 4210335938 00		24 HRS PROG 254.0 (ft)		TMD 2,957.0 (ft)		TVD 2,892.6 (ft)		REPT NO 13					
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE		AUTH TMD 7,655.00 (ft)		PLANNED DOW 20.00 (days)		DFS / KO 8.50 (days)		DOL 11.50 (days)			
SPUD DATE 12-26-2011 12:00		RIG RELEASE		SUPERVISOR TIM BERRY (318) 547-3641				ENGINEER ROBERT CLARY		PBTMD			
REGION PERMIAN		DISTRICT NOTREES - TX CZ		STATE / PROV TEXAS		COUNTY / PARISH CRANE		RIG PHONE NO 281-532-5388		RIG FAX NO 432-818-1198			
AFE # PA-11-0516-D		AFE COSTS		DAILY COSTS		CUMULATIVE COSTS							
DESCRIPTION: DRILL A HORIZONTAL GRAYBURG WELL		DHC: 1,106,300 DCC: CWC: Others: TOTAL: 1,106,300		DHC: 23,336 DCC: CWC: Others: TOTAL: 23,336		DHC: 533,761 DCC: CWC: Others: TOTAL: 533,761							
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)		LAST SAFETY MEETING 1/3/2012		BLOCK		OCSG#		TARGET FORMATION GRAYBURG		BHA HRS OF SERVICE			
LAST SURVEY MD 2,877.0 (ft) INC 42.30° AZM 165.90°				LAST CSG SHOE TEST (EMW)		LAST CASING 13.375 in @ 1,013.0 ft		NEXT CASING 8.625 in @ 3,000.0 ft					
CURRENT OPERATIONS: POOH TO RUN 8 5/8 CASING													
24 HR SUMMARY: DRLG BUILD F/ 2703' TO 2957': 254' @ 16.3FT/HR: 28-48 WOB: 100% SLIDE: 434 GPM W/ 1627 PSI: 9.9 PPG: 29 VISC: 9.5 PH: LAST SURVEY @ 2877': 42.3° DEG, AZ. 165.9, RUN FLUID CALIPER ANN VOL 1483 CU. FT @ 3000', 94% WASH-OUT													
24 HR FORECAST: FINISH DRLG BUILD SECTION, POOH FRO 8 5/8 CASING RUN & CEMENT W/ OTEX													
OPERATION SUMMARY													
From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY						
0:00	8:00	8.00	INT-DRL	DRLG	PP		DRLG F/ 2703' TO 2799' ; 96' @ 12' FPH ; 28-48 WOB: 100% SLIDE: 434 GPM W/ 1627 PSI: BRINE 10.0 PPG: 29 VISC: 9.9 PH: LAST SURVEY @ 2624': 19.9° DEG, AZ. 164.4						
8:00	10:30	2.50	INT-DRL	TRIP	PN	LP	POOH TO 2681'FT / RE-LOG WITH GAMMA, DUE TO MWD COMPUTER & SERVICE						
10:30	0:00	13.50	INT-DRL	DRLG	PP		DRLG F/ 2799' TO 2957', 158' @ 11.7' FPH ; 28-48 WOB: 100% SLIDE: 434 GPM W/ 1627 PSI: BRINE 10.0 PPG: 29 VISC: 9.9 PH: LAST SURVEY @ 2877': 42.3° DEG, AZ. 165						
24.00 = Total Hours Today													
06:00 UPDATE													
0000-0600 00:00 0600 DRLG BUILD SECTION F/2957'FT TO 3000'FT, CIRCULATE SWEEP AROUND & POOH FO 8 5/8 CASING RUN W/ LEWIS / LAST SURVEY: 2940'FT, TVD 2878'FT, VS 219'FT, INC 47.7, AZ. 166.3,													
BIT DATA													
BIT / RUN	SIZE (in)	MANUFACTURER		TYPE	SERIAL NO	JETS OR TFA	DEPTH IN / DATE IN		I-O-D-L-B-G-O-R				
5 / 1	11.000	VAREL		HE04JMPS	1222434	3x16	2,322.00 / 12-31-2011		-----				
BIT OPERATIONS													
BIT / RUN	WOB	RPM	FLOW RATE	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP		
5/1	35/60	0/0	409.40	1503	467.13	21.50	254.0	16.4	38.00	635.0	16.7		
MOTOR OUTPUT													
RPV: 0.16rev/gal			ROTARY CURRENT: 0			TOTAL RPM: 66							
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)	10.50	ECD (ppg)	10.06	PP	DAILY COST		889.18	CUM COST	3648	%OIL		% H2O	87.50



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WELLBORE NAME UNIVERSITY LANDS A 37 1H	DATE 01-03-2012
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API # 4210335938 00	24 HRS PROG 254.0 (ft)	TMD 2,957.0 (ft)	TVD 2,892.6 (ft)	REPT NO 13
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BHA	5	JAR S/N		BHA / HOLE CONDITIONS	JAR HRS		BIT	5
-----	---	---------	--	-----------------------	---------	--	-----	---

BHA WT BELOW JARS	STRING WT UP	STRING WT DN	STRING WT ROT	TORQUE/UNITS	BHA LENGTH
(kip)	130.0 (kip)	120.0 (kip)	125.0 (kip)	(ft-lbf)	1,668.89 (ft)

COMPONENT TYPE	ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
	4.5 DP	48	1,288.11	4.500	3.826		XH
	6.25 DC	21	622.56	6.250	2.750		NC46 XH
	4.5 DP	30	952.25	8.000	2.500	6.580	API REG
	XO	1	2.58	6.580	2.875	4.500	XH
	SLICK NMDC	1	29.40	7.750	3.250	6.580	API REG
	SLICK NMDC	1	30.37	7.750	3.250	6.580	API REG
	UBHO	1	2.55	7.750		6.580	API REG
	MUD MTR.	1	28.18	7.750		6.580	API REG
	VAREL HE04JMRS	1	1.00	11.000	3.000	6.580	API REG

SURVEY

TYPE	MD (ft)	DEG (°)	AZI (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	V.SECT (ft)	D.L (°/100ft)
	2,877.0	42.30	165.90	2,833.5	-168.47	48.85	-167.53	9.36
	2,846.0	39.40	166.00	2,810.0	-148.80	43.93	-147.96	8.78
	2,814.0	36.60	166.40	2,784.8	-129.67	39.23	-128.92	9.05
	2,783.0	33.80	166.10	2,759.5	-112.31	34.98	-111.64	8.45
	2,751.0	31.10	165.80	2,732.5	-95.66	30.82	-95.07	8.44
	2,719.0	28.40	165.60	2,704.7	-80.27	26.89	-79.76	9.06
	2,687.0	25.50	165.60	2,676.2	-66.23	23.29	-65.78	8.46
	2,655.0	22.80	165.10	2,647.0	-53.56	19.98	-53.18	9.39

CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
OH	CONDUCTOR	20.000	94.00	H-40	51.0
OH	SURFACE	13.375	48.00	H-40	1,013.0
OH	INTERMEDIATE 1	8.625	32.00	J-55	3,000.0

MUD PUMPS/HYDRAULICS				SPR		
	STROKE	SPM	LINER	FLOW RATE		
# 1	10.00	100.00	6.500	409.4		
				SPP: 1503 (psi)		
				AV(DP):		
				AV(DC):		
				HP: 1.174 (hp/in <sup>2</sup> )		

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
JW MULLOYCONSULTING	1	24.00	CAPSTAR DRILLING Inc. RIG MANAGER	1	24.00
DDC	4	48.00	CAPSTAR DRILLING Inc.	12	96.00

TOTAL PERSONNEL ON BOARD: 18

TOTAL HOURS ON BOARD: 192

MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
DIESEL, RIG FUEL	gal	1060	2618				



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Daily Drilling Report

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WELLBORE NAME UNIVERSITY LANDS A 37 1H				DATE 01-03-2012
API # 4210335938 00	24 HRS PROG 254.0 (ft)	TMD 2,957.0 (ft)	TVD 2,892.6 (ft)	REPT NO 13

SAFETY DRILLS

RAMS (psi)	ANNULARS (psi)	CASING	LAST BOP PRESS TEST	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	ABND. DRILL

INCIDENT REPORT

INCIDENTS TYPE NONE	LOST TIME? NO	INCIDENTS DESCRIPTION MIXING CAUSTIC, WORKING WITH PIPEARM & ROLLING PIPE
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MUD INVENTORY

ITEM	UNIT	USAGE	Day Cost (\$)	ON HAND
DRLG MUD		889.18	889.18	-2,037.84



## APACHE CORPORATION

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## Daily Drilling Report

WELLBORE NAME UNIVERSITY LANDS A 37 1H					DATE 01-04-2012						
API # 4210335938 00		24 HRS PROG 43.0 (ft)		TMD 3,000.0 (ft)		TVD 2,921.1 (ft)		REPT NO 14			
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE		AUTH TMD 7,655.00 (ft)		PLANNED DOW 20.00 (days)		DFS / KO 9.50 (days)		DOL 12.50 (days)	
SPUD DATE 12-26-2011 12:00		RIG RELEASE		SUPERVISOR TIM BERRY (318) 547-3641				ENGINEER ROBERT CLARY		PBTMD	
REGION PERMIAN		DISTRICT NOTREES - TX CZ		STATE / PROV TEXAS		COUNTY / PARISH CRANE		RIG PHONE NO 281-532-5388		RIG FAX NO 432-818-1198	
AFE # PA-11-0516-D		AFE COSTS		DAILY COSTS				CUMULATIVE COSTS			
DESCRIPTION: DRILL A HORIZONTAL GRAYBURG WELL		DHC: 1,106,300 DCC: CWC: Others: TOTAL: 1,106,300		DHC: 147,568 DCC: CWC: Others: TOTAL: 147,568				DHC: 691,479 DCC: CWC: Others: TOTAL: 691,479			
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)		LAST SAFETY MEETING 1/4/2012		BLOCK		OCSG#		TARGET FORMATION GRAYBURG		BHA HRS OF SERVICE	
LAST SURVEY				LAST CSG SHOE TEST (EMW)		LAST CASING		NEXT CASING			
MD 2,909.0 (ft) INC 44.90° AZM 166.90°						13.375 in @ 1,013.0 ft		8.625 in @ 3,000.0 ft			

CURRENT OPERATIONS: NIPPLE UP BOP'S

24 HR SUMMARY: DRLG BUILD F/ 2957' TO 3000': 43' @ 7.1FPH: 48-58 WOB: 100% SLIDE: 401 GPM W/ 1285 PSI: 9.9 PPG: 29 VISC: 9.5 PH: LAST SD @ 2940': 47.7° DEG, AZ. 166.0, LEFT-5, BELOW-11, DL-9, POOH RUN 8 5/8 CSG & RUN 8-5/8" INTRM. CSG: CMT CSG W/ 850 SKS CLASS C CMT: TOP

24 HR FORECAST: FINISH NIPPLE UP & TESTING BOP, PICKING UP DIRECTIONAL TOOLS WITH DDC & DRLG OUT FLOAT EQUIPMENT & FINISH BUILD SECTION

## OPERATION SUMMARY

From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY
0:00	4:00	4.00	INT-DRL	DRLG	PP		DRLG F/ 2957' TO 3000'ft, 43'ft @ 10.7' FPH ; 45-60 WOB: 100% SLIDE: 401 GPM W/ 1285 PSI: BRINE 10.0 PPG: 29 VISC: 9.9 PH: LAST SURVEY @ 2940': 47.7° DEG, AZ. 166.3
4:00	4:30	0.50	INT-DRL	CIRC	PP		CIRCULATE VIS SWEEP AROUND CLEAN HOLE
4:30	8:30	4.00	INT-DRL	TRIP	PP		POOH TO RUN 8 5/8 CASING / FLOW CHECKS
8:30	12:30	4.00	INT-CSG	R_PCSG	PP		CONTACTED TXRRC @ 7:00 ON 01/02/2012: RU LEWIS CASING CREW: HSM: RUN 8-5/8" INTERM. CSG AS FOLLOWS: 1- WEATHERFORD GUIDE SHOE = 0.81' 1- JT. 8-5/8", 32#, J55, LTC, CASING = 42.15' 1- WEATHERFORD FLOAT COLLAR = 1.90' 72- JTS. 8-5/8", 32#, J55, LTC, CASING = 2955.14' 1- CUT JT. 8-5/8", 32#, J55, LTC, CASING = 24.29' KB TO CSG TOP = 11.00' CASING SET @ 3000' MD: 2916' TVD: CENTRALIZERS = 19 RD LEWIS CASING CREW
12:30	15:30	3.00	INT-CSG	CIRC	PP		WASH 80'FT DOWN 4'FT STICK-UP, CIRCULATE CASING ( WAITING ON CEMENT TRUCK )
15:30	18:30	3.00	INT-CMT	CMTPRI	PP		HSM: RU OTEX: CEMENT 8-5/8" INTERM. CSG AS FOLLOWS:  20 BBL FW SPACER  LEAD W/ 650 SKS 50:50 'C' CEMENT MIXED @ 11.9 PPG @ 2.47 CF / SK 13.44 GAL PER SK = 208 MIX WATER TOTAL= 1560 CF FOR 278 BBL / SLY CALCULATED @ 100% EXCESS  TAIL W/ 200 SKS CLASS C CEMENT MIXED @ 14.8 PPG @ 1.34 CF / SKS 6.32 GAL PER SK = 30 BBL MIXING WATER TOTAL = 268 CF = 48 BBL SLY CALCULATED @ 100% EXCESS  DISPLACE W / 178 BBL FRESH WATER BUMPED PLUG @ 16:59 HRS ON 01/04/2012



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WELLBORE NAME UNIVERSITY LANDS A 37 1H				DATE 01-04-2012
API # 4210335938 00	24 HRS PROG 43.0 (ft)	TMD 3,000.0 (ft)	TVD 2,921.1 (ft)	REPT NO 14

OPERATION SUMMARY

From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY
							BUMP PLUG W/ 1368 PSI: PRIOR PRESSURE 806 PSI: CIRC. 80 BBLS (187 SKS) CEMENT TO SURFACE: CIRCULATION THROUGHOUT CEMENT JOB: FLOAT HELD: 1 BBL BACK:
18:30	19:30	1.00	INT-CMT	CMTPRI	PP		TOP OUT CEMENT WITH O-TEX  RU/MU & RAN 7 JTS 175' OF 1' PIPE TO TOP OFF CEMENT; TOP OF CEMENT AS FOLLOWS;  PUMPED 5BBLS OF WATER 70 SK (17 BBL) OF CLASS "C" CEMENT W/2% CALCIUM CHLORIDE MIXED @ 14.8 PPG @ 1.32 CF / SK 6.32 GAL PER SK = 10 BBL MIXING WATER
19:30	23:30	4.00	INT-CMT	WOC	PP		WAITING ON CEMENT 4HRS
23:30	0:00	0.50	INT-NUP	BOPS	PP		NIPPLE DOWN BOP

24.00 = Total Hours Today

06:00 UPDATE

0000-0600 00:00-06:00 NIPPLE DOWN BOP, CUT OFF 13 3/8 WELL HEAD & CUT OFF 8 5/8 CASING AN WELDING ON 8 5/8 WEL HEAD TESTING HEAD TO 500PSI, CONTINUE NIPPLING UP BOP

BIT DATA

BIT / RUN	SIZE (in)	MANUFACTURER	TYPE	SERIAL NO	JETS OR TFA	DEPTH IN / DATE IN	I-O-D-L-B-G-O-R
5 / 1	11.000	VAREL	HE04JMPS	1222434	3x16	2,322.00 / 12-31-2011	1-1-WT-A-1-1-WT-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
5/1	38/62	0/0	409.40	1285	440.44	4.00	43.0	10.7	42.00	678.0	16.1

MOTOR OUTPUT

RPV: 0.16rev/gal	ROTARY CURRENT: 0	TOTAL RPM: 66
LCM:	MUD PROPERTIES	MUD TYPE:

VIS (s/qt)	PV/YP (cp) / (lbf/100ft <sup>2</sup> )	GELS (lbf/100ft <sup>2</sup> )	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	3648	%OIL		% H2O	
--	--	--	--	----	------------	------	----------	------	------	--	-------	--

BHA	5	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)	130.0 (kip)	120.0 (kip)	125.0 (kip)	(ft-lbf)	1,668.89 (ft)

COMPONENT TYPE	ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
	4.5 DP	42	1,331.11	4.500	3.826		XH
	6.25 DC	21	622.56	6.250	2.750		NC46 XH
	4.5 DP	30	952.25	8.000	2.500	6.580	API REG
	XO	1	2.58	6.580	2.875	4.500	XH
	SLICK NMDC	1	29.40	7.750	3.250	6.580	API REG
	SLICK NMDC	1	30.37	7.750	3.250	6.580	API REG
	UBHO	1	2.55	7.750		6.580	API REG



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WELLBORE NAME UNIVERSITY LANDS A 37 1H				DATE 01-04-2012
API # 4210335938 00	24 HRS PROG 43.0 (ft)	TMD 3,000.0 (ft)	TVD 2,921.1 (ft)	REPT NO 14

	MUD MTR.	1	28.18	7.750	6.580	API REG	
	VAREL HE04JMRS	1	1.00	11.000	3.000	6.580	API REG

SURVEY

TYPE	MD (ft)	DEG (°)	AZI (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	V.SECT (ft)	D.L (°/100ft)
	2,909.0	44.90	166.90	2,856.6	-189.92	54.03	-188.88	8.41

CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
OH	CONDUCTOR	20.000	94.00	H-40	51.0
OH	SURFACE	13.375	48.00	H-40	1,013.0
OH	INTERMEDIATE 1	8.625	32.00	J-55	3,000.0

MUD PUMPS/HYDRAULICS				SPP: 1285 (psi)	SPR		
	STROKE	SPM	LINER	FLOW RATE	AV(DP):	SPM	PPSR
# 1	10.00	100.00	6.500	409.4	AV(DC):		
					HP: 1.107 (hp/in²)		

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
JW MULLOYCONSULTING	1	24.00	CAPSTAR DRILLING Inc. RIG MANAGER	1	24.00
DDC	2	48.00	M&W HOTOIL	2	10.00
O-TEX PUMPING	5	60.00	CAPSTAR DRILLING Inc.	12	96.00
LEWIS CASING CREWS	48	0.00			

TOTAL PERSONNEL ON BOARD: 71

TOTAL HOURS ON BOARD: 262

MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
DIESEL, RIG FUEL	gal	810	1808				

SAFETY DRILLS

RAMS (psi)	ANNULARS (psi)	CASING	LAST BOP PRESS TEST	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	ABND. DRILL

INCIDENT REPORT

INCIDENTS TYPE NONE	LOST TIME? NO	INCIDENTS DESCRIPTION LAYING DOWN DIRECTIONAL TOOLS & RIGGING UP LEWIS CASING TOOLS, RUN CASING & CEMENT WITH OTEX.
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MUD INVENTORY

ITEM	UNIT	USAGE	Day Cost (\$)	ON HAND
DRLG MUD			0.00	-2,037.84





APACHE CORPORATION  
Daily Drilling Report

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WELLBORE NAME UNIVERSITY LANDS A 37 1H										DATE 01-05-2012			
API # 4210335938 00		24 HRS PROG (ft)		TMD 3,000.0 (ft)		TVD 2,921.1 (ft)		REPT NO 15					
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE		AUTH TMD 7,655.00 (ft)		PLANNED DOW 20.00 (days)		DFS / KO 10.50 (days)		DOL 13.50 (days)			
SPUD DATE 12-26-2011 12:00		RIG RELEASE		SUPERVISOR TIM BERRY (318) 547-3641				ENGINEER ROBERT CLARY		PBTMD			
REGION PERMIAN		DISTRICT NOTREES - TX CZ		STATE / PROV TEXAS		COUNTY / PARISH CRANE		RIG PHONE NO 281-532-5388		RIG FAX NO 432-818-1198			
AFE # PA-11-0516-D		AFE COSTS		DAILY COSTS		CUMULATIVE COSTS							
DESCRIPTION: DRILL A HORIZONTAL GRAYBURG WELL		DHC: 1,106,300 DCC: CWC: Others: TOTAL: 1,106,300		DHC: 35,009 DCC: CWC: Others: TOTAL: 35,009		DHC: 726,487 DCC: CWC: Others: TOTAL: 726,487							
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)		LAST SAFETY MEETING 1/5/2012		BLOCK		OCSG#		TARGET FORMATION GRAYBURG		BHA HRS OF SERVICE			
LAST SURVEY MD 2,909.0 (ft) INC 44.90° AZM 166.90°				LAST CSG SHOE TEST (EMW)		LAST CASING 8.625 in @ 3,000.0 ft		NEXT CASING 5.500 in @ 7,617.0 ft					
CURRENT OPERATIONS: DRLG CURVE F/3016'													
24 HR SUMMARY: N/D BOP & CUT 13 3/8 HEAD INSTALLING 8 5/8 HEAD, N/U BOP & TEST, P/U DIR. TOOLS & TIH TO TAG CEMENT.													
24 HR FORECAST: FINISH CURVE: DRLG LATERAL SECTION													
OPERATION SUMMARY													
From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY						
0:00	3:00	3.00	INT-NUP	WLHEAD	PP		ND BOP: CUT OFF CSG & RENTAL HEAD						
3:00	6:00	3.00	INT-NUP	WLHEAD	PP		INSTALL 8 5/8" X 11" X 5K SOW WELLHEAD & TEST 500 PSI						
6:00	9:00	3.00	INT-NUP	WLHEAD	PP		NU BOP AND CHOKE MANIFOLD						
9:00	9:30	0.50	INT-DRL	TEST	PP		TEST BLIND RAMS & CASING: LOW 250: HI 500 ( PRESSURE NOT HOLDING )						
9:30	14:00	4.50	INT-DRL	TEST	PP		HAVING TROUBLE TESTING BOP ( DSA LEAKING HAD TO N/D & C/O RING GASKET R-53 ) CLEAN OUT CEMENT IN CHOKE LINE 4" VALVE,						
14:00	15:00	1.00	INT-DRL	TEST	PP		TEST BLIND RAMS, HYDRILL & CASING: LOW 250: HI 500						
15:00	17:00	2.00	INT-DRL	RU_RD	PP		R/U FLOOR, IRONROUGHNECK, & RIG SERVICE						
17:00	22:00	5.00	INT-DRL	TRIP	PP		PU BHA #6 BIT, 1.83" MOTOR & MWD TIH						
22:00	23:30	1.50	INT-DRL	RIGSER	PN	RO	COLLAR ON FLOWLINE BROKE, R/D FLOWLINE & REPLACE COLLAR						
23:30	0:00	0.50	INT-DRL	TRIP	PP		CONTINUE TRIPPING IN HOLE						
24.00 = Total Hours Today													
06:00 UPDATE													
0000-0600 00:00 - 0600 TIH TAGGING CEMENT@ 2930', DRLG OUT FLOAT EQUIPMENT & CEMENT, DRLG CURVE F/3000' TO 3016'													
BIT DATA													
BIT / RUN	SIZE (in)	MANUFACTURER		TYPE	SERIAL NO	JETS OR TFA	DEPTH IN / DATE IN		I-O-D-L-B-G-O-R				
6 / 1	7.875	SECURITY DBS		FX55M	11620155	5x18	3,000.00 / 01-05-2012		-----				
MOTOR OUTPUT													
RPV: 0.35rev/gal				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	1/1				0.00							
Density (ppg)	10.00	ECD (ppg)	0.00	PP	DAILY COST		0.00	CUM COST	3648	%OIL	0.00	% H2O	87.90



APACHE CORPORATION  
Daily Drilling Report

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WELLBORE NAME UNIVERSITY LANDS A 37 1H					DATE 01-05-2012
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API # 4210335938 00	24 HRS PROG (ft)	TMD 3,000.0 (ft)	TVD 2,921.1 (ft)	REPT NO 15
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BHA	6	JAR S/N		BHA / HOLE CONDITIONS	JAR HRS		BIT	6
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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)	91.37 (ft)

COMPONENT TYPE	ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
	4.5 DP	0		4.500	2.500	4.500	XH
	SLICK NMDC	1	29.98	6.250	3.250	4.500	XH
	SLICK NMDC	1	29.81	6.000	3.250	4.500	XH
	UBHO	1	3.33	6.250		4.500	XH
	MUD MTR.	1	27.25	6.250		4.500	XH
	HALLIBURTON FX55M	1	1.00	11.000	3.000	4.500	API REG

CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
OH	CONDUCTOR	20.000	94.00	H-40	51.0
OH	SURFACE	13.375	48.00	H-40	1,013.0
OH	INTERMEDIATE 1	8.625	32.00	J-55	3,000.0

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
JW MULLOYCONSULTING	1	24.00	CAPSTAR DRILLING Inc. RIG MANAGER	1	24.00
DDC	4	48.00	CAPSTAR DRILLING Inc.	12	96.00

TOTAL PERSONNEL ON BOARD: 18

TOTAL HOURS ON BOARD: 192

MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
DIESEL, RIG FUEL	gal	110	4738				

SAFETY DRILLS

RAMS (psi)	ANNULARS (psi)	CASING	LAST BOP PRESS TEST	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	ABND. DRILL

INCIDENT REPORT

INCIDENTS TYPE	NONE	LOST TIME?	NO	INCIDENTS DESCRIPTION NIPPLE UP BOP & PRESSURE TESTING, PICKING UP DIRECTIONAL TOOLS WITH DDC
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MUD INVENTORY

ITEM	UNIT	USAGE	Day Cost (\$)	ON HAND
DRLG MUD			0.00	-2,037.84



## APACHE CORPORATION

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## Daily Drilling Report

WELLBORE NAME UNIVERSITY LANDS A 37 1H					DATE 01-06-2012						
API # 4210335938 00		24 HRS PROG 63.0 (ft)		TMD 3,063.0 (ft)		TVD 2,954.2 (ft)		REPT NO 16			
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE		AUTH TMD 7,655.00 (ft)		PLANNED DOW 20.00 (days)		DFS / KO 11.50 (days)		DOL 14.50 (days)	
SPUD DATE 12-26-2011 12:00		RIG RELEASE		SUPERVISOR JAMES W. GARDNER (432)-254-6606				ENGINEER ROBERT CLARY		PBTMD	
REGION PERMIAN		DISTRICT NOTREES - TX CZ		STATE / PROV TEXAS		COUNTY / PARISH CRANE		RIG PHONE NO 281-532-5388		RIG FAX NO 432-818-1198	
AFE # PA-11-0516-D		AFE COSTS		DAILY COSTS		CUMULATIVE COSTS					
DESCRIPTION: DRILL A HORIZONTAL GRAYBURG WELL		DHC: 1,106,300 DCC: CWC: Others: TOTAL: 1,106,300		DHC: 41,805 DCC: CWC: Others: TOTAL: 41,805		DHC: 768,292 DCC: CWC: Others: TOTAL: 768,292					
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)		LAST SAFETY MEETING 1/6/2012		BLOCK		OCSG#		TARGET FORMATION GRAYBURG		BHA HRS OF SERVICE 7.50	
LAST SURVEY				LAST CSG SHOE TEST (EMW)		LAST CASING		NEXT CASING			
MD 3,043.0 (ft) INC 55.30° AZM 167.10°						8.625 in @ 3,000.0 ft		5.500 in @ 7,617.0 ft			
CURRENT OPERATIONS: DRLG CURVE @ 3158' MD: SURVEY @ 3075' MD: 2959' TVD: 59.4° INC: 167.4° AZI: 12.8 DLS: 16' BELOW: 2' LEFT: 90% DOLOMITE: 10% ANAHYDRITE:											
24 HR SUMMARY: TIH & DRLG CMT & FLOAT EQUIP: DRLG TO 3023': TOH MAKE CLEAN OUT RUN W/ TRI-CONE: DRLG F/ 3023' TO 3027': TOH F/ DIR. ASSY: BUILD CURVE F/ 3027' TO 3063' MD: 36' @ 24 FT/HR: SURVEY @ 3043' MD: 2942' TVD: 55.3° INC: 167.1° AZI: 11' BELOW: 5' RIGHT:											
24 HR FORECAST: FINISH DRKG CURVE: DRLG LATERAL											

## DAILY OP COMMENTS

TIH & DRLG CMT & FLOAT EQUIP: DRLG TO 3023': TOH MAKE CLEAN OUT RUN W/ TRI-CONE: DRLG F/ 3023' TO 3027': TOH F/ DIR. ASSY: BUILD CURVE F/ 3027' TO 3063' MD: 36' @ 24 FT/HR: SURVEY @ 3043' MD: 2942' TVD: 55.3° INC: 167.1° AZI: 11' BELOW: 5' RIGHT:

## OPERATION SUMMARY

From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY
0:00	1:30	1.50	INT-DRL	TRIP	PP		TIH F/ 2775' TO 2930': TAG CMT @ 2930':
1:30	3:00	1.50	INT-DRL	DOCMT	PP		DRLG CMT & FLOAT EQUIP. TO 3000':
3:00	7:30	4.50	P-DRL	DRLCPA	PP		BUILD CURVE F/ 3000' TO 3023' MD: SURVEY @ 2940' MD: 2878 TVD: 47.7° INC: 166.3° AZI: 11' BELOW: 5' RIGHT:
7:30	10:00	2.50	P-DRL	TRIP	PP		TOH W/ BIT #6: DUE TO ROP:
10:00	12:00	2.00	P-DRL	TRIP	PN	WOE	WAIT ON TRI-CONE BIT:
12:00	13:30	1.50	P-DRL	TRIP	PP		MU BIT #7 & TIH TO 950'
13:30	14:00	0.50	P-DRL	RIGSER	PP		RIG SERVICE
14:00	15:30	1.50	P-DRL	TRIP	PP		TIH TO 3023':
15:30	16:30	1.00	P-DRL	DRLCPA	PP		DRLG F/ 3023' TO 3027': NO EXCESSIVE TRQ: NO JUNK IN HOLE
16:30	20:30	4.00	P-DRL	TRIP	PP		TOH LD BIT #7: PU BIT #8 & DIR. TOOLS: TIH TO 3010'
20:30	0:00	3.50	P-DRL	DRLCPA	PP		BUILD CURVE F/ 3027' TO 3063' MD: 36' @ 24 FT/HR: SURVEY @ 3043' MD: 2942' TVD: 55.3° INC: 167.1° AZI: 11' BELOW: 5' RIGHT: 70% DOLOMITE: 30% ANAHYDRITE:

24.00 = Total Hours Today

## 06:00 UPDATE

0000-0600 BUILD CURVE F/ 3063' TO 3158' MD: 95' @ 15.8 FT/HR: SURVEY @ 3075' MD: 2959' TVD: 59.4° INC: 167.4° AZI: 16' BELOW: 2' LEFT: 90% DOLOMITE: 10% ANAHYDRITE:



## APACHE CORPORATION

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## Daily Drilling Report

WELLBORE NAME UNIVERSITY LANDS A 37 1H				DATE 01-06-2012
API # 4210335938 00	24 HRS PROG 63.0 (ft)	TMD 3,063.0 (ft)	TVD 2,954.2 (ft)	REPT NO 16

## BIT DATA

BIT / RUN	SIZE (in)	MANUFACTURER	TYPE	SERIAL NO	JETS OR TFA	DEPTH IN / DATE IN	I-O-D-L-B-G-O-R
8 / 1	7.875	SECURITY DBS	FX55M	11745838	5x18	3,027.00 / 01-06-2012	-----
6 / 1	7.875	SECURITY DBS	FX55M	11620155	5x18	3,000.00 / 01-05-2012	1-8-BT-S-X-I-BT-PR
7 / 1	7.875	SECURITY DBS	QH1R	11749345	3x18	3,023.00 / 01-06-2012	0-0-NO-A-0-I-NO-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
8/1	15/21	0/0	409.40	1050	99.99	1.50	36.0	24.0	1.50	36.0	24.0
6/1	22/26	0/0	409.40	1150	99.99	7.50	23.0	3.1	7.50	23.0	3.1
7/1	10/20	40/45	409.40	750	277.74	1.00	4.0	4.0	1.00	4.0	4.0

## MOTOR OUTPUT

RPV: 0.35rev/gal      ROTARY CURRENT: 45      TOTAL RPM: 188

LCM: 0.0      MUD PROPERTIES      MUD TYPE: BRINE

VIS (s/qt)	PV/YP (cp) / (lb/100ft <sup>2</sup> )	GELS (lb/100ft <sup>2</sup> )	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H <sub>2</sub> S (%)	KCL (ppm)	LGS (%)
29.00	1.00/1	1/1	0.0/0.0	0.0/0.00	0.00/0.00	0.00/0.0	0.00/0.00	0.00/0.00	0	0	0.0000	0	0.00

Density (ppg) 10.00    ECD (ppg) 0.00    <sup>2</sup>P (ppg) 0.00    DAILY COST 0.00    CUM COST 4874    %OIL 0.00    % H<sub>2</sub>O 87.90

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)	72.0 (kip)	70.0 (kip)	68.0 (kip)	(ft-lbf)	91.37 (ft)

COMPONENT TYPE	ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
	4.5 DP	94	2,971.63	4.500	2.500	4.500	XH
	SLICK NMDC	1	29.98	6.250	3.250	4.500	XH
	SLICK NMDC	1	29.81	6.000	3.250	4.500	XH
	UBHO	1	3.33	6.250		4.500	XH
	MUD MTR.	1	27.25	6.250		4.500	XH
	HALLIBURTON FX55M	1	1.00	11.000	3.000	4.500	API REG

## SURVEY

TYPE	MD (ft)	DEG (°)	AZI (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	V.SECT (ft)	D.L (°/100ft)
	3,043.0	55.30	167.10	2,942.9	-289.42	78.00	-287.92	9.48
	3,011.0	52.40	166.00	2,924.0	-264.29	72.00	-262.90	7.38

## CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
OH	CONDUCTOR	20.000	94.00	H-40	51.0
OH	SURFACE	13.375	48.00	H-40	1,013.0
OH	INTERMEDIATE 1	8.625	32.00	J-55	3,000.0

## MUD PUMPS/HYDRAULICS

				SPP: 1050 (psi)	SPR	
				AV(DP):		
				AV(DC):		
				HP: 0.490 (hp/in <sup>2</sup> )		
STROKE	SPM	LINER	FLOW RATE		SPM	PPSR
# 1	10.00	100.00	6.500	409.4		



APACHE CORPORATION  
Daily Drilling Report

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WELLBORE NAME UNIVERSITY LANDS A 37 1H				DATE 01-06-2012
API # 4210335938 00	24 HRS PROG 63.0 (ft)	TMD 3,063.0 (ft)	TVD 2,954.2 (ft)	REPT NO 16

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
CAPSTAR DRILLING Inc. RIG MANAGER	1	24.00	DDC	4	48.00
CAPSTAR DRILLING Inc.	12	96.00			

TOTAL PERSONNEL ON BOARD: 17

TOTAL HOURS ON BOARD: 168

MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
DIESEL, RIG FUEL	gal	873	3865				

SAFETY DRILLS

RAMS (psi)	ANNULARS (psi)	CASING	LAST BOP PRESS TEST	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	ABND. DRILL
01-05-2012 / 500	01-05-2012 / 500	01-05-2012 / 500.00	01-05-2012	01-19-2012			

INCIDENT REPORT

INCIDENTS TYPE	NONE	LOST TIME?	NO	INCIDENTS DESCRIPTION
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MUD INVENTORY

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



## APACHE CORPORATION

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## Daily Drilling Report

WELLBORE NAME UNIVERSITY LANDS A 37 1H						DATE 01-07-2012					
API # 4210335938 00		24 HRS PROG 704.0 (ft)		TMD 3,767.0 (ft)		TVD 3,046.8 (ft)		REPT NO 17			
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE		AUTH TMD 7,655.00 (ft)		PLANNED DOW 20.00 (days)		DFS / KO 12.50 (days)		DOL 15.50 (days)	
SPUD DATE 12-26-2011 12:00		RIG RELEASE		SUPERVISOR JAMES W. GARDNER (432)-254-6606				ENGINEER ROBERT CLARY		PBTMD	
REGION PERMIAN		DISTRICT NOTREES - TX CZ		STATE / PROV TEXAS		COUNTY / PARISH CRANE		RIG PHONE NO 281-532-5388		RIG FAX NO 432-818-1198	
AFE # PA-11-0516-D		AFE COSTS		DAILY COSTS				CUMULATIVE COSTS			
DESCRIPTION: DRILL A HORIZONTAL GRAYBURG WELL		DHC: 1,106,300 DCC: CWC: Others: TOTAL: 1,106,300		DHC: 29,297 DCC: CWC: Others: TOTAL: 29,297				DHC: 797,589 DCC: CWC: Others: TOTAL: 797,589			
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)		LAST SAFETY MEETING 1/7/2012		BLOCK		OCSG#		TARGET FORMATION GRAYBURG		BHA HRS OF SERVICE 31.00	
LAST SURVEY				LAST CSG SHOE TEST (EMW)		LAST CASING		NEXT CASING			
MD 3,710.0 (ft) INC 90.80° AZM 164.40°						8.625 in @ 3,000.0 ft		5.500 in @ 7,617.0 ft			
CURRENT OPERATIONS: DRLG LATERAL @ 4051' MD: SURVEY @ 3962' MD: 3045' TVD: 90.6° INC: 166.2° AZI: 12.0' BELOW: 6.0' LEFT											
24 HR SUMMARY: DRLG CURVE TO 3418' MD: 3050' TVD: DRLG LATERAL F/ 3418' TO 3767' MD: 349' @ 46.5 FT/HR: SURVEY @ 3710' MD: 3047' TVD: 90.8° INC: 164.4° AZI: 11.7' BELOW: 5.9' LEFT:											
24 HR FORECAST: DRLG LATERAL SECTION											
DAILY OP COMMENTS											
DRLG CURVE TO 3418' MD: 3050' TVD: DRLG LATERAL F/ 3418' TO 3767' MD: 349' @ 46.5 FT/HR: SURVEY @ 3710' MD: 3047' TVD: 90.8° INC: 164.4° AZI: 11.7' BELOW: 5.9' LEFT:											
OPERATION SUMMARY											
From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY				
0:00	13:00	13.00	P-DRL	DRLCPA	PP		DRLG CURVE F/ 3063' TO 3355' MD: 292' @ 22.4 FT/HR: SURVEY @ 3298' MD: 3039' TVD: 78.3° INC: 165.3° AZI: 13.0' BELOW: 2.0' RIGHT:				
13:00	13:30	0.50	P-DRL	RIGSER	PP		RIG SERVICE				
13:30	16:00	2.50	P-DRL	DRLCPA	PP		DRLG CURVE F/ 3355' TO 3418' MD: 63' @ 25.2 FT/HR: SURVEY @ 3361' MD: 3049' TVD: 87.9° INC: 164.8° AZI: 12.8' BELOW: 2.4' RIGHT: EOC @ 3418' MD: 3350' TVD:				
16:00	20:00	4.00	P-DRL	DRLCPA	PP		DRLG LATERAL F/ 3418' TO 3576' MD: 158' @ 39.5 FT/HR: SURVEY @ 3519' MD: 3050' TVD: 91.4° INC: 164.1° AZI: 13.7' BELOW: 1' RIGHT:				
20:00	20:30	0.50	P-DRL	CIRC	PN	MW	GAMMA FAILURE: RELOG F/ 3545' TO 3576'				
20:30	0:00	3.50	P-DRL	DRLCPA	PP		DRLG LATERAL F/ 3576' TO 3767' MD: 191' @ 54.5 FT/HR: SURVEY @ 3710' MD: 3047' TVD: 90.8° INC: 164.4° AZI: 11.7' BELOW: 5.9' LEFT:				
24.00 = Total Hours Today											
06:00 UPDATE											
0000-0600 DRLG LATERAL F/ 3767' TO 4051' MD: 284' @ 47.3 FT/HR: SURVEY @ 3962' MD: 3045' TVD: 90.6° INC: 166.2° AZI: 12.0' BELOW: 6.0' LEFT											
BIT DATA											
BIT / RUN	SIZE (in)	MANUFACTURER		TYPE	SERIAL NO	JETS OR TFA	DEPTH IN / DATE IN		I-O-D-L-B-G-O-R		
8 / 1	7.875	SECURITY DBS		FX55M	11745838	5x18	3,027.00 / 01-06-2012		-----		
BIT OPERATIONS											
BIT / RUN	WOB	RPM	FLOW RATE	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP
8/1	15/25	55/60	409.40	1265	97.99	23.00	704.0	30.6	24.50	740.0	30.2
MOTOR OUTPUT											
RPV: 0.35rev/gal				ROTARY CURRENT: 60				TOTAL RPM: 203			



APACHE CORPORATION  
Daily Drilling Report

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WELLBORE NAME				DATE
UNIVERSITY LANDS A 37 1H				01-07-2012
API #	24 HRS PROG	TMD	TVD	REPT NO
4210335938 00	704.0 (ft)	3,767.0 (ft)	3,046.8 (ft)	17

LCM:	0.0	MUD PROPERTIES					MUD TYPE: BRINE				
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VIS (s/qt)	PV/YP (cp) / (lb/100ft <sup>2</sup> )	GELS (lb/100ft <sup>2</sup> )	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H <sub>2</sub> S (%)	KCL (ppm)	LGS (%)
29.00	1.00/1	1/1	0.0/0.0	0.0/0.00	0.00/0.00	0.00/0.0	0.00/0.00	0.00/0.00	0	0	0.0000	0	0.00

Density (ppg)	9.80	ECD (ppg)	0.00	PP (ppg)	0.00	DAILY COST	15.00	CUM COST	4889	%OIL	0.00	% H <sub>2</sub> O	87.90
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BHA	8	JAR S/N		BHA / HOLE CONDITIONS					JAR HRS		BIT	8
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BHA WT BELOW JARS		STRING WT UP		STRING WT DN		STRING WT ROT		TORQUE/UNITS		BHA LENGTH		
(kip)		78.0 (kip)		65.0 (kip)		74.0 (kip)		(ft-lbf)		91.37 (ft)		

COMPONENT TYPE		ITEM DESCRIPTION			NO JTS	LENGTH	O.D	I.D	CONN SIZE		CONN TYPE	
		4.5 DP			116	3,675.63	4.500	2.500	4.500		XH	
		SLICK NMDC			1	29.98	6.250	3.250	4.500		XH	
		SLICK NMDC			1	29.81	6.000	3.250	4.500		XH	
		UBHO			1	3.33	6.250		4.500		XH	
		MUD MTR.			1	27.25	6.250		4.500		XH	
		HALLIBURTON FX55M			1	1.00	11.000	3.000	4.500		API REG	

SURVEY

TYPE	MD (ft)	DEG (°)	AZI (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	V.SECT (ft)	D.L (°/100ft)
	3,710.0	90.80	164.40	3,047.6	-913.19	242.32	-908.51	1.47
	3,646.0	91.30	163.60	3,048.8	-851.68	224.69	-847.34	1.14
	3,583.0	90.70	163.20	3,049.9	-791.31	206.69	-787.32	1.78
	3,519.0	91.40	164.10	3,051.1	-729.91	188.68	-726.27	2.36
	3,456.0	90.00	164.60	3,051.9	-669.25	171.69	-665.94	1.25
	3,424.0	90.00	165.00	3,051.9	-638.37	163.30	-635.22	6.80
	3,393.0	87.90	164.80	3,051.3	-608.45	155.22	-605.45	9.40
	3,361.0	84.90	165.00	3,049.3	-577.62	146.90	-574.78	10.63
	3,329.0	81.50	165.00	3,045.5	-546.93	138.68	-544.25	10.37
	3,298.0	78.30	165.30	3,040.1	-517.43	130.86	-514.91	9.47
	3,266.0	75.40	166.20	3,032.8	-487.24	123.19	-484.86	7.86
	3,234.0	72.90	166.50	3,024.0	-457.32	115.92	-455.08	8.83
	3,202.0	70.10	166.90	3,013.9	-427.80	108.94	-425.69	7.50
	3,170.0	67.70	166.90	3,002.4	-398.72	102.18	-396.75	9.50
	3,138.0	64.80	167.90	2,989.5	-370.14	95.78	-368.29	7.82
	3,106.0	62.30	167.80	2,975.2	-342.13	89.76	-340.40	9.42
	3,075.0	59.40	167.40	2,960.1	-315.69	83.94	-314.07	12.84

CASING

S/T	DESCRIPTION		SIZE	WEIGHT	GRADE	SETTING DEPTH
OH	CONDUCTOR		20.000	94.00	H-40	51.0
OH	SURFACE		13.375	48.00	H-40	1,013.0
OH	INTERMEDIATE 1		8.625	32.00	J-55	3,000.0

MUD PUMPS/HYDRAULICS					SPP: 1265 (psi)  AV(DP):  AV(DC):  HP: 0.480 (hp/in²)	SPR		
	STROKE	SPM	LINER	FLOW RATE			SPM	PPSR
# 1	10.00	100.00	6.500	409.4				



APACHE CORPORATION  
Daily Drilling Report

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WELLBORE NAME UNIVERSITY LANDS A 37 1H				DATE 01-07-2012
API # 4210335938 00	24 HRS PROG 704.0 (ft)	TMD 3,767.0 (ft)	TVD 3,046.8 (ft)	REPT NO 17

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
TOTAL ENERGY SERVICES	1	24.00	CAPSTAR DRILLING Inc. RIG MANAGER	1	24.00
DDC	4	48.00	CAPSTAR DRILLING Inc.	12	96.00

TOTAL PERSONNEL ON BOARD: 18

TOTAL HOURS ON BOARD: 192

MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
DIESEL, RIG FUEL	gal	947	2918				

SAFETY DRILLS

RAMS (psi)	ANNULARS (psi)	CASING	LAST BOP PRESS TEST	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	ABND. DRILL
01-05-2012 / 500	01-05-2012 / 500	01-05-2012 / 500.00	01-05-2012	01-19-2012			

INCIDENT REPORT

INCIDENTS TYPE	NONE	LOST TIME?	NO	INCIDENTS DESCRIPTION
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MUD INVENTORY

ITEM	UNIT	USAGE	Day Cost (\$)	ON HAND
DRLG MUD		15.00	15.00	0.00





## APACHE CORPORATION

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## Daily Drilling Report

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 1H						<b>DATE</b> 01-08-2012					
<b>API #</b> 4210335938 00		<b>24 HRS PROG</b> 1,044.0 (ft)		<b>TMD</b> 4,811.0 (ft)		<b>TVD</b> 3,025.2 (ft)		<b>REPT NO</b> 18			
<b>RIG NAME NO</b> CAPSTAR 119		<b>FIELD NAME</b> DUNE		<b>AUTH TMD</b> 7,655.00 (ft)		<b>PLANNED DOW</b> 20.00 (days)		<b>DFS / KO</b> 13.50 (days)		<b>DOL</b> 16.50 (days)	
<b>SPUD DATE</b> 12-26-2011 12:00		<b>RIG RELEASE</b>		<b>SUPERVISOR</b> JAMES W. GARDNER (432)-254-6606				<b>ENGINEER</b> ROBERT CLARY		<b>PBTMD</b>	
<b>REGION</b> PERMIAN		<b>DISTRICT</b> NOTREES - TX CZ		<b>STATE / PROV</b> TEXAS		<b>COUNTY / PARISH</b> CRANE		<b>RIG PHONE NO</b> 281-532-5388		<b>RIG FAX NO</b> 432-818-1198	
<b>APE # PA-11-0516-D</b>		<b>APE COSTS</b>		<b>DAILY COSTS</b>				<b>CUMULATIVE COSTS</b>			
<b>DESCRIPTION:</b> DRILL A HORIZONTAL GRAYBURG WELL		DHC: 1,106,300		DHC: 35,965				DHC: 833,554			
		DCC:		DCC:				DCC:			
		CWC:		CWC:				CWC:			
		Others:		Others:				Others:			
		TOTAL: 1,106,300		TOTAL: 35,965				TOTAL: 833,554			
<b>DEFAULT DATUM / ELEVATION</b> RKB/RT / 2,547.0 (ft)		<b>LAST SAFETY MEETING</b> 1/8/2012		<b>BLOCK</b>		<b>OCSG#</b>		<b>TARGET FORMATION</b> GRAYBURG		<b>BHA HRS OF SERVICE</b> 54.50	
<b>LAST SURVEY</b>				<b>LAST CSG SHOE TEST (EMW)</b>		<b>LAST CASING</b>		<b>NEXT CASING</b>			
MD 4,785.0 (ft) INC 91.30° AZM 165.70°						8.625 in @ 3,000.0 ft		5.500 in @ 7,617.0 ft			
<b>CURRENT OPERATIONS:</b> RLG LATERAL @ 5160' MD: SURVEY @ 5096' MD: 3017' TVD: 92.0° INC: 164.4° AZI: 1.0' BELOW: 4.9' LEFT: NO ISSUES											
<b>24 HR SUMMARY:</b> DRLG LATERAL F/ 3767' TO 4064' MD: SURVEY @ 4026' MD: 3044' TVD: 91.3° INC: 166.4° AZI: 11.5' BELOW: 5.7' LEFT: RIG SERVICE:DRLG LATERAL F/ 4064' TO 4811' MD: 747' @ 45.2 FT/HR: SURVEY @ 4785' MD: 3025' TVD: 91.3° INC: 165.7° AZI: 0.5' BELOW: 7.6' LEFT:											
<b>24 HR FORECAST:</b> DRLG LATERAL											
<b>DAILY OP COMMENTS</b>											
DRLG LATERAL F/ 3767' TO 4064' MD: SURVEY @ 4026' MD: 3044' TVD: 91.3° INC: 166.4° AZI: 11.5' BELOW: 5.7' LEFT: RIG SERVICE:DRLG LATERAL F/ 4064' TO 4811' MD: 747' @ 45.2 FT/HR: SURVEY @ 4785' MD: 3025' TVD: 91.3° INC: 165.7° AZI: 0.5' BELOW: 7.6' LEFT:											
<b>OPERATION SUMMARY</b>											
<b>From</b>	<b>To</b>	<b>HRS</b>	<b>Phase</b>	<b>Op Code</b>	<b>PT/NPT</b>	<b>PT CODE</b>	<b>ACTIVITY SUMMARY</b>				
0:00	7:00	7.00	P-DRL	DRLCPA	PP		DRLG LATERAL F/ 3767' TO 4064' MD: 297' @ 42.4 FT/HR: SURVEY @ 4026' MD: 3044' TVD: 91.3° INC: 166.4° AZI: 11.5' BELOW: 5.7' LEFT:				
7:00	7:30	0.50	P-DRL	RIGSER	PP		RIG SERVICE				
7:30	0:00	16.50	P-DRL				DRLG LATERAL F/ 4064' TO 4811' MD: 747' @ 45.2 FT/HR: SURVEY @ 4785' MD: 3025' TVD: 91.3° INC: 165.7° AZI: 0.5' BELOW: 7.6' LEFT:				
24.00 = Total Hours Today											
<b>06:00 UPDATE</b>											
0000-0600 DRLG LATERAL F/ 4811' TO 5160' MD: 349' @ 58.1 FT/HR: SURVEY @ 5096' MD: 3017' TVD: 92.0° INC: 164.4° AZI: 1.0' BELOW: 4.9' LEFT:											
<b>BIT DATA</b>											
<b>BIT / RUN</b>	<b>SIZE (in)</b>	<b>MANUFACTURER</b>		<b>TYPE</b>	<b>SERIAL NO</b>	<b>JETS OR TFA</b>	<b>DEPTH IN / DATE IN</b>		<b>I-O-D-L-B-G-O-R</b>		
8 / 1	7.875	SECURITY DBS		FX55M	11745838	5x18	3,027.00 / 01-06-2012		-----		
<b>BIT OPERATIONS</b>											
<b>BIT / RUN</b>	<b>WOB</b>	<b>RPM</b>	<b>FLOW RATE</b>	<b>PRESS</b>	<b>P BIT</b>	<b>HRS</b>	<b>24 Hr PROG</b>	<b>24 HR ROP</b>	<b>CUM HRS</b>	<b>CUM PROG</b>	<b>CUM ROP</b>
8/1	18/25	55/70	429.87	1475	108.03	23.50	1,044.0	44.4	48.00	1,784.0	37.2
<b>MOTOR OUTPUT</b>											
RPV: 0.35rev/gal				ROTARY CURRENT: 65				TOTAL RPM: 215			



## APACHE CORPORATION

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## Daily Drilling Report

WELLBORE NAME				DATE
UNIVERSITY LANDS A 37 1H				01-08-2012
API #	24 HRS PROG	TMD	TVD	REPT NO
4210335938 00	1,044.0 (ft)	4,811.0 (ft)	3,025.2 (ft)	18

LCM:	0.0	MUD PROPERTIES					MUD TYPE: BRINE				
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VIS (s/qt)	PV/YP (cp) / (lb/100ft <sup>2</sup> )	GELS (lb/100ft <sup>2</sup> )	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H <sub>2</sub> S (%)	KCL (ppm)	LGS (%)
29.00	1.00/1	1/1	0.0/0.0	0.0/0.00	0.00/0.00	0.00/0.0	0.00/0.00	0.00/0.00	0	0	0.0000	0	0.00

Density (ppg)	9.80	ECD (ppg)	0.00	PP (ppg)	0.00	DAILY COST	205.00	CUM COST	5094	%OIL	0.00	% H <sub>2</sub> O	87.90
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BHA	8	JAR S/N		BHA / HOLE CONDITIONS					JAR HRS		BIT	8
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BHA WT BELOW JARS		STRING WT UP		STRING WT DN		STRING WT ROT		TORQUE/UNITS		BHA LENGTH		
(kip)		81.0 (kip)		62.0 (kip)		72.0 (kip)		8,000.0 (ft-lbf)		91.37 (ft)		

COMPONENT TYPE		ITEM DESCRIPTION			NO JTS	LENGTH	O.D	I.D	CONN SIZE		CONN TYPE	
		4.5 DP			149	4,719.63	4.500	2.500	4.500		XH	
		SLICK NMDC			1	29.98	6.250	3.250	4.500		XH	
		SLICK NMDC			1	29.81	6.000	3.250	4.500		XH	
		UBHO			1	3.33	6.250		4.500		XH	
		MUD MTR.			1	27.25	6.250		4.500		XH	
		HALLIBURTON FX55M			1	1.00	11.000	3.000	4.500		API REG	

## SURVEY

TYPE	MD (ft)	DEG (°)	AZI (°)	TVD (ft)	+N-S (ft)	+E-W (ft)	V.SECT (ft)	D.L (°/100ft)
	4,785.0	91.30	165.70	3,025.8	-1,956.16	501.39	-1,946.48	1.28
	4,722.0	91.40	166.50	3,027.3	-1,895.03	486.26	-1,885.63	0.32
	4,659.0	91.40	166.70	3,028.9	-1,833.76	471.66	-1,824.65	0.49
	4,595.0	91.50	166.40	3,030.5	-1,771.53	456.78	-1,762.71	0.22
	4,531.0	91.60	166.50	3,032.2	-1,709.34	441.79	-1,700.81	0.79
	4,468.0	91.90	166.90	3,034.1	-1,648.06	427.30	-1,639.81	1.83
	4,404.0	90.80	166.50	3,035.6	-1,585.79	412.58	-1,577.83	0.81
	4,341.0	91.30	166.40	3,036.8	-1,524.56	397.83	-1,516.88	0.32
	4,278.0	91.30	166.20	3,038.2	-1,463.36	382.91	-1,455.97	0.85
	4,215.0	91.50	165.70	3,039.8	-1,402.27	367.62	-1,395.17	0.93
	4,152.0	91.80	166.20	3,041.6	-1,341.18	352.33	-1,334.38	1.31
	4,089.0	91.00	166.40	3,043.1	-1,279.99	337.42	-1,273.48	0.48
	4,026.0	91.30	166.40	3,044.4	-1,218.77	322.60	-1,212.54	1.14
	3,962.0	90.60	166.20	3,045.4	-1,156.60	307.45	-1,150.67	0.65
	3,900.0	90.60	165.80	3,046.1	-1,096.44	292.45	-1,090.80	2.21
	3,836.0	90.40	164.40	3,046.6	-1,034.60	276.00	-1,029.27	0.35
	3,773.0	90.30	164.60	3,047.0	-973.89	259.16	-968.89	0.85

## CASING

S/T	DESCRIPTION			SIZE	WEIGHT	GRADE	SETTING DEPTH
OH	CONDUCTOR			20.000	94.00	H-40	51.0
OH	SURFACE			13.375	48.00	H-40	1,013.0
OH	INTERMEDIATE 1			8.625	32.00	J-55	3,000.0

MUD PUMPS/HYDRAULICS					SPP: 1475 (psi)	SPR		
	STROKE	SPM	LINER	FLOW RATE	AV(DP):		SPM	PPSR
# 2	10.00	105.00	6.500	429.9	AV(DC):			
					HP: 0.556 (hp/in <sup>2</sup> )			



APACHE CORPORATION  
Daily Drilling Report

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WELLBORE NAME UNIVERSITY LANDS A 37 1H				DATE 01-08-2012
API # 4210335938 00	24 HRS PROG 1,044.0 (ft)	TMD 4,811.0 (ft)	TVD 3,025.2 (ft)	REPT NO 18

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
CAPSTAR DRILLING Inc. RIG MANAGER	1	24.00	TOTAL ENERGY SERVICES	1	24.00
DDC	4	48.00	CAPSTAR DRILLING Inc.	12	96.00

TOTAL PERSONNEL ON BOARD: 18

TOTAL HOURS ON BOARD: 192

MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
DIESEL, RIG FUEL	gal	997	1921				

SAFETY DRILLS

RAMS (psi)	ANNULARS (psi)	CASING	LAST BOP PRESS TEST	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	ABND. DRILL
01-05-2012 / 500	01-05-2012 / 500	01-05-2012 / 500.00	01-05-2012	01-19-2012			

INCIDENT REPORT

INCIDENTS TYPE	NONE	LOST TIME?	NO	INCIDENTS DESCRIPTION
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MUD INVENTORY

ITEM	UNIT	USAGE	Day Cost (\$)	ON HAND
DRLG MUD		205.00	205.00	0.00



APACHE CORPORATION  
Daily Drilling Report

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<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 1H						<b>DATE</b> 01-09-2012					
<b>API #</b> 4210335938 00		<b>24 HRS PROG</b> 1,081.0 (ft)		<b>TMD</b> 5,892.0 (ft)		<b>TVD</b> 2,999.8 (ft)		<b>REPT NO</b> 19			
<b>RIG NAME NO</b> CAPSTAR 119		<b>FIELD NAME</b> DUNE		<b>AUTH TMD</b> 7,655.00 (ft)		<b>PLANNED DOW</b> 20.00 (days)		<b>DFS / KO</b> 14.50 (days)		<b>DOL</b> 17.50 (days)	
<b>SPUD DATE</b> 12-26-2011 12:00		<b>RIG RELEASE</b>		<b>SUPERVISOR</b> JAMES W. GARDNER (432)-254-6606				<b>ENGINEER</b> ROBERT CLARY		<b>PBTMD</b>	
<b>REGION</b> PERMIAN		<b>DISTRICT</b> NOTREES - TX CZ		<b>STATE / PROV</b> TEXAS		<b>COUNTY / PARISH</b> CRANE		<b>RIG PHONE NO</b> 281-532-5388		<b>RIG FAX NO</b> 432-818-1198	
<b>AFE # PA-11-0516-D</b>		<b>AFE COSTS</b>		<b>DAILY COSTS</b>				<b>CUMULATIVE COSTS</b>			
<b>DESCRIPTION:</b> DRILL A HORIZONTAL GRAYBURG WELL		DHC: 1,106,300 DCC: CWC: Others: TOTAL: 1,106,300		DHC: 37,393 DCC: CWC: Others: TOTAL: 37,393				DHC: 870,947 DCC: CWC: Others: TOTAL: 870,947			
<b>DEFAULT DATUM / ELEVATION</b> RKB/RT / 2,547.0 (ft)		<b>LAST SAFETY MEETING</b> 1/9/2012		<b>BLOCK</b>		<b>OCSG#</b>		<b>TARGET FORMATION</b> GRAYBURG		<b>BHA HRS OF SERVICE</b> 77.00	
<b>LAST SURVEY</b>				<b>LAST CSG SHOE TEST (EMW)</b>		<b>LAST CASING</b>		<b>NEXT CASING</b>			
MD 5,867.0 (ft) INC 92.10° AZM 166.00°						8.625 in @ 3,000.0 ft		5.500 in @ 7,617.0 ft			
<b>CURRENT OPERATIONS:</b> DRLG LATERAL @ 6215' MD: SURVEY @ 6121' MD: 2996' TVD: 90.5° INC: 165.5° AZI: 6.0' ABOVE: 4.0' LEFT:											
<b>24 HR SUMMARY:</b> DRLG LATERAL F/ 4811' TO 5550' MD: RIG SERVICE: DRLG LATERAL F/ 5550' TO 5701' MD: RIG REPAIRS (MUD PUMPS): DRLG LATERAL F/ 5701' TO 5892' MD: 191' @ 38.2 FT/HR: SURVEY @ 5931' MD: 2998' TVD: 92.0° INC: 165.7° AZI: 5.0' ABOVE: 6.0' RIGHT:											
<b>24 HR FORECAST:</b> DRLG LATERAL SECTION											
<b>DAILY OP COMMENTS</b>											
DRLG LATERAL F/ 4811' TO 5550' MD: RIG SERVICE: DRLG LATERAL F/ 5550' TO 5701' MD: RIG REPAIRS (MUD PUMPS): DRLG LATERAL F/ 5701' TO 5892' MD: 191' @ 38.2 FT/HR: SURVEY @ 5931' MD: 2998' TVD: 92.0° INC: 165.7° AZI: 5.0' ABOVE: 6.0' RIGHT:											
<b>OPERATION SUMMARY</b>											
<b>From</b>	<b>To</b>	<b>HRS</b>	<b>Phase</b>	<b>Op Code</b>	<b>PT/NPT</b>	<b>PT CODE</b>	<b>ACTIVITY SUMMARY</b>				
0:00	12:00	12.00	P-DRL	DRLCPA	PP		DRLG LATERAL F/ 4811' TO 5550' MD: 739' @ 61.5 FT/HR: SURVEY @ 5422' MD: 3008' TVD: 91.2° INC: 164.1° AZI: 3.0' BELOW: 2.0' LEFT:				
12:00	12:30	0.50	P-DRL	RIGSER	PP		RIG SERVICE				
12:30	17:30	5.00	P-DRL	DRLCPA	PP		DRLG LATERAL F/ 5550' TO 5701' MD: 151' @ 30.2 FT/HR: SURVEY @ 5522' MD: 3008' TVD: 91.2° INC: 164.1° AZI: 2.0' ABOVE: 7.0' RIGHT:				
17:30	18:30	1.00	P-DRL	RIGSER	PN	MP	RIG REPAIRS (MUD PUMPS)				
18:30	0:00	5.50	P-DRL	DRLCPA	PP		DRLG LATERAL F/ 5701' TO 5892' MD: 191' @ 38.2 FT/HR: SURVEY @ 5931' MD: 2998' TVD: 92.0° INC: 165.7° AZI: 5.0' ABOVE: 6.0' RIGHT:				
24.00 = Total Hours Today											
<b>06:00 UPDATE</b>											
0000-0600 DRLG LATERAL F/ 5892' TO 6215' MD: 323' @ 53.8 FT/HR: SURVEY @ 6121' MD: 2996' TVD: 90.5° INC: 165.5° AZI: 6.0' ABOVE: 4.0' LEFT:											
<b>BIT DATA</b>											
<b>BIT / RUN</b>	<b>SIZE (in)</b>	<b>MANUFACTURER</b>		<b>TYPE</b>	<b>SERIAL NO</b>	<b>JETS OR TFA</b>	<b>DEPTH IN / DATE IN</b>		<b>I-O-D-L-B-G-O-R</b>		
8 / 1	7.875	SECURITY DBS		FX55M	11745838	5x18	3,027.00 / 01-06-2012		-----		
<b>BIT OPERATIONS</b>											
<b>BIT / RUN</b>	<b>WOB</b>	<b>RPM</b>	<b>FLOW RATE</b>	<b>PRESS</b>	<b>P BIT</b>	<b>HRS</b>	<b>24 Hr PROG</b>	<b>24 HR ROP</b>	<b>CUM HRS</b>	<b>CUM PROG</b>	<b>CUM ROP</b>
8/1	15/25	60/70	429.87	1550	108.03	22.50	1,081.0	48.0	70.50	2,865.0	40.6
<b>MOTOR OUTPUT</b>											
RPV: 0.35rev/gal				ROTARY CURRENT: 65				TOTAL RPM: 215			



## APACHE CORPORATION

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## Daily Drilling Report

WELLBORE NAME				DATE
UNIVERSITY LANDS A 37 1H				01-09-2012
API #	24 HRS PROG	TMD	TVD	REPT NO
4210335938 00	1,081.0 (ft)	5,892.0 (ft)	2,999.8 (ft)	19

LCM:	0.0	MUD PROPERTIES					MUD TYPE: BRINE				
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VIS (s/qt)	PV/YP (cp) / (lb/100ft <sup>2</sup> )	GELS (lb/100ft <sup>2</sup> )	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H <sub>2</sub> S (%)	KCL (ppm)	LGS (%)
29.00	1.00/1	1/1	0.0/0.0	0.0/0.00	0.00/0.00	0.00/0.0	0.00/0.00	0.00/0.00	0	0	0.0000	0	0.00

Density (ppg)	9.80	ECD (ppg)	0.00	PP (ppg)	0.00	DAILY COST	0.00	CUM COST	5094	%OIL	0.00	% H <sub>2</sub> O	87.90
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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)		85.0 (kip)		67.0 (kip)		77.0 (kip)		1,400.0 (ft-lbf)		91.37 (ft)		

COMPONENT TYPE	ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
	4.5 DP	186	5,800.63	4.500	2.500	4.500	XH
	SLICK NMDC	1	29.98	6.250	3.250	4.500	XH
	SLICK NMDC	1	29.81	6.000	3.250	4.500	XH
	UBHO	1	3.33	6.250		4.500	XH
	MUD MTR.	1	27.25	6.250		4.500	XH
	HALLIBURTON FX55M	1	1.00	11.000	3.000	4.500	API REG

## SURVEY

TYPE	MD (ft)	DEG (°)	AZI (°)	TVD (ft)	+N-S (ft)	+E-W (ft)	V.SECT (ft)	D.L (°/100ft)
	5,867.0	92.10	166.00	3,000.8	-2,999.19	787.57	-2,983.99	0.16
	5,804.0	92.20	166.00	3,003.1	-2,938.10	772.34	-2,923.20	0.91
	5,740.0	91.70	165.70	3,005.3	-2,876.08	756.70	-2,861.48	2.67
	5,676.0	90.00	165.50	3,006.2	-2,814.10	740.79	-2,799.80	1.10
	5,612.0	90.10	164.80	3,006.3	-2,752.24	724.39	-2,738.26	1.83
	5,548.0	90.50	163.70	3,006.6	-2,690.64	707.01	-2,677.00	0.71
	5,485.0	90.90	163.90	3,007.4	-2,630.15	689.44	-2,616.84	0.57
	5,422.0	91.20	164.10	3,008.6	-2,569.60	672.08	-2,556.63	0.56
	5,358.0	91.50	164.30	3,010.1	-2,508.03	654.66	-2,495.40	0.35
	5,294.0	91.40	164.10	3,011.7	-2,446.47	637.24	-2,434.17	0.31
	5,230.0	91.60	164.10	3,013.4	-2,384.94	619.71	-2,372.98	0.45
	5,167.0	91.80	164.30	3,015.2	-2,324.35	602.56	-2,312.71	0.22
	5,103.0	91.90	164.40	3,017.3	-2,262.75	585.31	-2,251.45	0.16
	5,039.0	92.00	164.40	3,019.5	-2,201.15	568.11	-2,190.18	0.16
	4,977.0	91.90	164.40	3,021.6	-2,141.46	551.44	-2,130.81	0.44
	4,913.0	91.70	164.60	3,023.6	-2,079.82	534.35	-2,069.50	1.98
	4,849.0	90.50	165.00	3,024.8	-2,018.07	517.57	-2,008.08	1.66

## CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
OH	CONDUCTOR	20.000	94.00	H-40	51.0
OH	SURFACE	13.375	48.00	H-40	1,013.0
OH	INTERMEDIATE 1	8.625	32.00	J-55	3,000.0

MUD PUMPS/HYDRAULICS				SPP: 1550 (psi)	SPR		
	STROKE	SPM	LINER	FLOW RATE	AV(DP):	SPM	PPSR
# 2	10.00	105.00	6.500	429.9	AV(DC):		
				HP: 0.556 (hp/in <sup>2</sup> )			



APACHE CORPORATION  
Daily Drilling Report

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WELLBORE NAME UNIVERSITY LANDS A 37 1H				DATE 01-09-2012
API # 4210335938 00	24 HRS PROG 1,081.0 (ft)	TMD 5,892.0 (ft)	TVD 2,999.8 (ft)	REPT NO 19

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
CAPSTAR DRILLING Inc. RIG MANAGER	1	24.00	TOTAL ENERGY SERVICES	1	24.00
DDC	4	48.00	CAPSTAR DRILLING Inc.	12	96.00

TOTAL PERSONNEL ON BOARD: 18

TOTAL HOURS ON BOARD: 192

MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
DIESEL, RIG FUEL	gal	935	986				

SAFETY DRILLS

RAMS (psi)	ANNULARS (psi)	CASING	LAST BOP PRESS TEST	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	ABND. DRILL
01-05-2012 / 500	01-05-2012 / 500	01-05-2012 / 500.00	01-05-2012	01-19-2012			

INCIDENT REPORT

INCIDENTS TYPE	NONE	LOST TIME?	NO	INCIDENTS DESCRIPTION
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MUD INVENTORY

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



APACHE CORPORATION  
Daily Drilling Report

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<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 1H						<b>DATE</b> 01-10-2012					
<b>API #</b> 4210335938 00		<b>24 HRS PROG</b> 1,083.0 (ft)		<b>TMD</b> 6,975.0 (ft)		<b>TVD</b> 2,993.9 (ft)		<b>REPT NO</b> 20			
<b>RIG NAME NO</b> CAPSTAR 119		<b>FIELD NAME</b> DUNE		<b>AUTH TMD</b> 7,655.00 (ft)		<b>PLANNED DOW</b> 20.00 (days)		<b>DFS / KO</b> 15.50 (days)		<b>DOL</b> 18.50 (days)	
<b>SPUD DATE</b> 12-26-2011 12:00		<b>RIG RELEASE</b>		<b>SUPERVISOR</b> JAMES W. GARDNER (432)-254-6606				<b>ENGINEER</b> ROBERT CLARY		<b>PBTMD</b>	
<b>REGION</b> PERMIAN		<b>DISTRICT</b> NOTREES - TX CZ		<b>STATE / PROV</b> TEXAS		<b>COUNTY / PARISH</b> CRANE		<b>RIG PHONE NO</b> 281-532-5388		<b>RIG FAX NO</b> 432-818-1198	
<b>APE # PA-11-0516-D</b>		<b>APE COSTS</b>		<b>DAILY COSTS</b>				<b>CUMULATIVE COSTS</b>			
<b>DESCRIPTION:</b> DRILL A HORIZONTAL GRAYBURG WELL		DHC: 1,106,300 DCC: CWC: Others: TOTAL: 1,106,300		DHC: 38,280 DCC: CWC: Others: TOTAL: 38,280				DHC: 909,227 DCC: CWC: Others: TOTAL: 909,227			
<b>DEFAULT DATUM / ELEVATION</b> RKB/RT / 2,547.0 (ft)		<b>LAST SAFETY MEETING</b> 1/10/2012		<b>BLOCK</b>		<b>OCSG#</b>		<b>TARGET FORMATION</b> GRAYBURG		<b>BHA HRS OF SERVICE</b> 100.50	
<b>LAST SURVEY</b>				<b>LAST CSG SHOE TEST (EMW)</b>		<b>LAST CASING</b>		<b>NEXT CASING</b>			
MD 6,939.0 (ft) INC 90.40° AZM 165.50°						8.625 in @ 3,000.0 ft		5.500 in @ 7,617.0 ft			
<b>CURRENT OPERATIONS:</b> DRLG LATERAL @ 7366' SURVEY @ 7247' MD: 2993 TVD: 89.8° INC: 165.3° AZI: 2.0' ABOVE: 3.0' LEFT											
<b>24 HR SUMMARY:</b> DRLG LATERAL F/ 5892' TO 6273' MD: 381' @ 58.6 FT/HR: RIG SERVICE: DRLG LATERAL F/ 6273' TO 6975' MD: 702' @ 41.2 FT/HR: SURVEY @ 6939' MD: 2994' TVD: 90.4° INC: 165.5° AZI: 1.0' ABOVE: 5.0' RIGHT:											
<b>24 HR FORECAST:</b> DRLG LATERAL TO 7663' CIRC: TOH F/ REAMERS											
<b>DAILY OP COMMENTS</b>											
DRLG LATERAL F/ 5892' TO 6273' MD: 381' @ 58.6 FT/HR: RIG SERVICE: DRLG LATERAL F/ 6273' TO 6975' MD: 702' @ 41.2 FT/HR: SURVEY @ 6939' MD: 2994' TVD: 90.4° INC: 165.5° AZI: 1.0' ABOVE: 5.0' RIGHT:											
<b>OPERATION SUMMARY</b>											
<b>From</b>	<b>To</b>	<b>HRS</b>	<b>Phase</b>	<b>Op Code</b>	<b>PT/NPT</b>	<b>PT CODE</b>	<b>ACTIVITY SUMMARY</b>				
0:00	6:30	6.50	P-DRL	DRLCPA	PP		DRLG LATERAL F/ 5892' TO 6273' MD: 381' @ 58.6 FT/HR: SURVEY @ 6185' MD: 2995' TVD: 90.1° INC: 165.1° AZI: 3.5' ABOVE: 4.5.0' RIGHT:				
6:30	7:00	0.50	P-DRL	RIGSER	PP		RIG SERVICE				
7:00	0:00	17.00	P-DRL	DRLCPA	PP		DRLG LATERAL F/ 6273' TO 6975' MD: 702' @ 41.2 FT/HR: SURVEY @ 6939' MD: 2994' TVD: 90.4° INC: 165.5° AZI: 1.0' ABOVE: 5.0' RIGHT:				
24.00 = Total Hours Today											
<b>06:00 UPDATE</b>											
0000-0600 DRLG LATERAL F/ 6975' TO 7366' MD: 391' @ 65.1 FT/HR: SURVEY @ 7247' MD: 2993' TVD: 89.8° INC: 165.7° AZI: 2.0' ABOVE: 3.0' LEFT:											
<b>BIT DATA</b>											
<b>BIT / RUN</b>	<b>SIZE (in)</b>	<b>MANUFACTURER</b>		<b>TYPE</b>	<b>SERIAL NO</b>	<b>JETS OR TFA</b>	<b>DEPTH IN / DATE IN</b>		<b>I-O-D-L-B-G-O-R</b>		
8 / 1	7.875	SECURITY DBS		FX55M	11745838	5x18	3,027.00 / 01-06-2012		-----		
<b>BIT OPERATIONS</b>											
<b>BIT / RUN</b>	<b>WOB</b>	<b>RPM</b>	<b>FLOW RATE</b>	<b>PRESS</b>	<b>P BIT</b>	<b>HRS</b>	<b>24 Hr PROG</b>	<b>24 HR ROP</b>	<b>CUM HRS</b>	<b>CUM PROG</b>	<b>CUM ROP</b>
8/1	20/25	60/70	429.87	1525	110.23	23.50	1,083.0	46.1	94.00	3,948.0	42.0
<b>MOTOR OUTPUT</b>											
RPV: 0.35rev/gal				ROTARY CURRENT: 65				TOTAL RPM: 215			



APACHE CORPORATION  
Daily Drilling Report

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WELLBORE NAME				DATE
UNIVERSITY LANDS A 37 1H				01-10-2012
API #	24 HRS PROG	TMD	TVD	REPT NO
4210335938 00	1,083.0 (ft)	6,975.0 (ft)	2,993.9 (ft)	20

LCM:	0.0	MUD PROPERTIES					MUD TYPE: BRINE				
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VIS (s/qt)	PV/YP (cp) / (lb/100ft <sup>2</sup> )	GELS (lb/100ft <sup>2</sup> )	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H <sub>2</sub> S (%)	KCL (ppm)	LGS (%)
30.00	1.00/1	1/1	0.0/0.0	0.0/0.00	0.00/0.00	0.00/0.0	0.00/0.00	0.00/0.00	0	0	0.0000	0	0.00

Density (ppg)	10.00	ECD (ppg)	0.00	PP (ppg)	0.00	DAILY COST	1,947.00	CUM COST	7041	%OIL	0.00	% H <sub>2</sub> O	87.90
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BHA	8	JAR S/N		BHA / HOLE CONDITIONS					JAR HRS		BIT	8
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BHA WT BELOW JARS		STRING WT UP		STRING WT DN		STRING WT ROT		TORQUE/UNITS		BHA LENGTH	
(kip)		95.0 (kip)		65.0 (kip)		86.0 (kip)		14,000.0 (ft-lbf)		91.37 (ft)	

COMPONENT TYPE	ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
	4.5 DP	217	6,883.63	4.500	2.500	4.500	XH
	SLICK NMDC	1	29.98	6.250	3.250	4.500	XH
	SLICK NMDC	1	29.81	6.000	3.250	4.500	XH
	UBHO	1	3.33	6.250		4.500	XH
	MUD MTR.	1	27.25	6.250		4.500	XH
	HALLIBURTON FX55M	1	1.00	11.000	3.000	4.500	API REG

SURVEY

TYPE	MD (ft)	DEG (°)	AZI (°)	TVD (ft)	+N-S (ft)	+E-W (ft)	V.SECT (ft)	D.L (°/100ft)
	6,939.0	90.40	165.50	2,994.2	-4,036.67	1,056.97	-4,016.26	1.62
	6,876.0	89.40	165.30	2,994.1	-3,975.70	1,041.09	-3,955.61	0.79
	6,813.0	89.70	165.70	2,993.6	-3,914.71	1,025.32	-3,894.92	0.36
	6,751.0	89.80	165.50	2,993.3	-3,854.66	1,009.90	-3,835.17	0.48
	6,689.0	90.10	165.50	2,993.2	-3,794.63	994.38	-3,775.44	0.73
	6,628.0	90.50	165.70	2,993.6	-3,735.55	979.21	-3,716.65	0.48
	6,565.0	90.80	165.70	2,994.3	-3,674.51	963.65	-3,655.91	0.16
	6,502.0	90.90	165.70	2,995.2	-3,613.46	948.09	-3,595.17	0.64
	6,438.0	91.00	165.30	2,996.3	-3,551.51	932.07	-3,533.52	2.81
	6,375.0	89.30	164.80	2,996.4	-3,490.65	915.81	-3,472.97	0.45
	6,312.0	89.50	165.00	2,995.8	-3,429.83	899.40	-3,412.47	0.84
	6,248.0	90.00	164.80	2,995.5	-3,368.04	882.73	-3,351.00	0.50
	6,185.0	90.10	165.10	2,995.5	-3,307.20	866.37	-3,290.48	0.88
	6,121.0	90.50	165.50	2,995.9	-3,245.29	850.13	-3,228.88	0.00
	6,057.0	90.50	165.50	2,996.4	-3,183.33	834.11	-3,167.24	0.81
	5,994.0	90.60	166.00	2,997.0	-3,122.28	818.60	-3,106.48	2.27
	5,931.0	92.00	165.70	2,998.5	-3,061.20	803.20	-3,045.70	0.49

CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
OH	CONDUCTOR	20.000	94.00	H-40	51.0
OH	SURFACE	13.375	48.00	H-40	1,013.0
OH	INTERMEDIATE 1	8.625	32.00	J-55	3,000.0

MUD PUMPS/HYDRAULICS				SPP: 1525 (psi)	SPR		
	STROKE	SPM	LINER	FLOW RATE	AV(DP):	SPM	PPSR
# 1	10.00	105.00	6.500	429.9	AV(DC):		
				HP: 0.568 (hp/in <sup>2</sup> )			





APACHE CORPORATION  
Daily Drilling Report

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WELLBORE NAME UNIVERSITY LANDS A 37 1H				DATE 01-10-2012
API # 4210335938 00	24 HRS PROG 1,083.0 (ft)	TMD 6,975.0 (ft)	TVD 2,993.9 (ft)	REPT NO 20

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
TOTAL ENERGY SERVICES	1	24.00	CAPSTAR DRILLING Inc. RIG MANAGER	1	24.00
DDC	4	48.00	CAPSTAR DRILLING Inc.	12	96.00

TOTAL PERSONNEL ON BOARD: 18

TOTAL HOURS ON BOARD: 192

MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
DIESEL, RIG FUEL	gal	942	44				

SAFETY DRILLS

RAMS (psi)	ANNULARS (psi)	CASING	LAST BOP PRESS TEST	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	ABND. DRILL
01-05-2012 / 500	01-05-2012 / 500	01-05-2012 / 500.00	01-05-2012	01-19-2012			

INCIDENT REPORT

INCIDENTS TYPE	NONE	LOST TIME?	NO	INCIDENTS DESCRIPTION
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MUD INVENTORY

ITEM	UNIT	USAGE	Day Cost (\$)	ON HAND
DRLG MUD		1,947.00	1,947.00	0.00



## APACHE CORPORATION

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## Daily Drilling Report

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 1H						<b>DATE</b> 01-11-2012					
<b>API #</b> 4210335938 00		<b>24 HRS PROG</b> 688.0 (ft)		<b>TMD</b> 7,663.0 (ft)		<b>TVD</b> 2,990.8 (ft)		<b>REPT NO</b> 21			
<b>RIG NAME NO</b> CAPSTAR 119		<b>FIELD NAME</b> DUNE		<b>AUTH TMD</b> 7,655.00 (ft)		<b>PLANNED DOW</b> 20.00 (days)		<b>DFS / KO</b> 16.50 (days)		<b>DOL</b> 19.50 (days)	
<b>SPUD DATE</b> 12-26-2011 12:00		<b>RIG RELEASE</b>		<b>SUPERVISOR</b> JAMES W. GARDNER (432)-254-6606				<b>ENGINEER</b> ROBERT CLARY		<b>PBTMD</b>	
<b>REGION</b> PERMIAN		<b>DISTRICT</b> NOTREES - TX CZ		<b>STATE / PROV</b> TEXAS		<b>COUNTY / PARISH</b> CRANE		<b>RIG PHONE NO</b> 281-532-5388		<b>RIG FAX NO</b> 432-818-1198	
<b>APE # PA-11-0516-D</b>		<b>APE COSTS</b>		<b>DAILY COSTS</b>				<b>CUMULATIVE COSTS</b>			
<b>DESCRIPTION:</b> DRILL A HORIZONTAL GRAYBURG WELL		DHC: 1,106,300		DHC: 35,229				DHC: 944,455			
		DCC:		DCC:				DCC:			
		CWC:		CWC:				CWC:			
		Others:		Others:				Others:			
		TOTAL: 1,106,300		TOTAL: 35,229				TOTAL: 944,455			
<b>DEFAULT DATUM / ELEVATION</b> RKB/RT / 2,547.0 (ft)		<b>LAST SAFETY MEETING</b> 1/11/2012		<b>BLOCK</b>		<b>OCSG#</b>		<b>TARGET FORMATION</b> GRAYBURG		<b>BHA HRS OF SERVICE</b> 112.00	
<b>LAST SURVEY</b>				<b>LAST CSG SHOE TEST (EMW)</b>		<b>LAST CASING</b>		<b>NEXT CASING</b>			
MD 7,663.0 (ft) INC 90.60° AZM 165.70°						8.625 in @ 3,000.0 ft		5.500 in @ 7,617.0 ft			
<b>CURRENT OPERATIONS:</b> REAMING @ 4575' W/ 0-5 WOB: 65-70 RPM: 430 GPM W/ 780 PSI:											
<b>24 HR SUMMARY:</b> DRLG LATERAL F/ 6975' TO 7663' MD: 688' @ 59.8 FT/HR: SURVEY @ 7593' MD: 2990' TVD: 90.6° INC: 165.7° AZI: 4.0' ABOVE: CIRC: TOH: PU REAMER ASSY & TIH											
<b>24 HR FORECAST:</b> REAM LATERAL: TOH F/ SHUTTLE LOGS											
<b>DAILY OP COMMENTS</b>											
DRLG LATERAL F/ 6975' TO 7663' MD: 688' @ 59.8 FT/HR: SURVEY @ 7593' MD: 2990' TVD: 90.6° INC: 165.7° AZI: 4.0' ABOVE: CIRC: TOH: PU REAMER ASSY & TIH											
<b>OPERATION SUMMARY</b>											
<b>From</b>	<b>To</b>	<b>HRS</b>	<b>Phase</b>	<b>Op Code</b>	<b>PT/NPT</b>	<b>PT CODE</b>	<b>ACTIVITY SUMMARY</b>				
0:00	11:30	11.50	P-DRL	DRLG	PP		DRLG LATERAL F/ 6975' TO 7663' MD: 688' @ 59.8 FT/HR: SURVEY @ 7593' MD: 2990' TVD: 90.6° INC: 165.7° AZI: 4.0' ABOVE:				
11:30	12:30	1.00	P-DRL	CIRC	PP		CIRC & PUMP SWEEP				
12:30	21:30	9.00	P-DRL	TRIP	PP		TOH: LD DIRECTIONAL TOOLS & MWD				
21:30	22:00	0.50	P-DRL	TRIP	PP		LOAD OUT DIRECTIONAL EQUIP.				
22:00	0:00	2.00	P-DRL	TRIP	PP		MU BIT & REAMER ASSY: TIH				
24.00 = Total Hours Today											
<b>06:00 UPDATE</b>											
0000-0600 TIH TO 3025': REAM F/ 3025' TO 4575'											
<b>BIT DATA</b>											
<b>BIT / RUN</b>	<b>SIZE (in)</b>	<b>MANUFACTURER</b>		<b>TYPE</b>	<b>SERIAL NO</b>	<b>JETS OR TFA</b>		<b>DEPTH IN / DATE IN</b>		<b>I-O-D-L-B-G-O-R</b>	
8 / 1	7.875	SECURITY DBS		FX55M	11745838	5x18		3,027.00 / 01-06-2012		1-1-NO-A-X-I-NO-TD	
<b>BIT OPERATIONS</b>											
<b>BIT / RUN</b>	<b>WOB</b>	<b>RPM</b>	<b>FLOW RATE</b>	<b>PRESS</b>	<b>P BIT</b>	<b>HRS</b>	<b>24 Hr PROG</b>	<b>24 HR ROP</b>	<b>CUM HRS</b>	<b>CUM PROG</b>	<b>CUM ROP</b>
8/1	20/25	60/70	429.87	1545	110.23	11.50	688.0	59.8	107.50	4,636.0	43.1
<b>MOTOR OUTPUT</b>											
RPV: 0.35rev/gal				ROTARY CURRENT: 65				TOTAL RPM: 215			



APACHE CORPORATION  
Daily Drilling Report

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WELLBORE NAME				DATE
UNIVERSITY LANDS A 37 1H				01-11-2012
API #	24 HRS PROG	TMD	TVD	REPT NO
4210335938 00	688.0 (ft)	7,663.0 (ft)	2,990.8 (ft)	21

LCM:	0.0	MUD PROPERTIES					MUD TYPE: BRINE				
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VIS (s/qt)	PV/YP (cp) / (lb/100ft <sup>2</sup> )	GELS (lb/100ft <sup>2</sup> )	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H <sub>2</sub> S (%)	KCL (ppm)	LGS (%)
30.00	1.00/1	1/1	8.0/0.0	0.0/0.00	0.00/0.00	0.00/0.0	0.00/0.00	0.00/0.00	0	0	0.0000	0	0.00
Density (ppg)	10.00	ECD (ppg)	0.00	PP (ppg)	0.00	DAILY COST	0.00	CUM COST	7041	%OIL	0.00	% H <sub>2</sub> O	87.90

BHA	8	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)		95.0 (kip)		50.0 (kip)		86.0 (kip)		1,400.0 (ft-lbf)		91.37 (ft)		

COMPONENT TYPE	ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
	4.5 DP	239	7,571.63	4.500	2.500	4.500	XH
	SLICK NMDC	1	29.98	6.250	3.250	4.500	XH
	SLICK NMDC	1	29.81	6.000	3.250	4.500	XH
	UBHO	1	3.33	6.250		4.500	XH
	MUD MTR.	1	27.25	6.250		4.500	XH
	HALLIBURTON FX55M	1	1.00	11.000	3.000	4.500	API REG

SURVEY								
TYPE	MD (ft)	DEG (°)	AZI (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	V.SECT (ft)	D.L (°/100ft)
	7,663.0	90.60	165.70	2,990.8	-4,738.54	1,234.40	-4,714.71	0.00
	7,593.0	90.60	165.70	2,991.5	-4,670.72	1,217.12	-4,647.22	0.32
	7,562.0	90.50	165.70	2,991.8	-4,640.68	1,209.46	-4,617.33	0.91
	7,498.0	90.80	166.20	2,992.5	-4,578.60	1,193.92	-4,555.55	0.35
	7,435.0	90.90	166.40	2,993.5	-4,517.40	1,179.00	-4,494.64	0.50
	7,372.0	90.60	166.50	2,994.3	-4,456.15	1,164.24	-4,433.68	3.55
	7,310.0	89.20	164.80	2,994.2	-4,396.09	1,148.88	-4,373.92	1.72
	7,247.0	89.80	165.70	2,993.6	-4,335.17	1,132.84	-4,313.30	0.16
	7,185.0	89.90	165.70	2,993.5	-4,275.09	1,117.53	-4,253.52	0.16
	7,123.0	90.00	165.70	2,993.4	-4,215.01	1,102.21	-4,193.74	0.00
	7,061.0	90.00	165.70	2,993.4	-4,154.93	1,086.90	-4,133.96	0.96
	7,000.0	90.50	166.00	2,993.7	-4,095.79	1,071.99	-4,075.10	0.84

CASING						
S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH	
OH	CONDUCTOR	20.000	94.00	H-40	51.0	
OH	SURFACE	13.375	48.00	H-40	1,013.0	
OH	INTERMEDIATE 1	8.625	32.00	J-55	3,000.0	

MUD PUMPS/HYDRAULICS				SPP: 1545 (psi)	SPR		
	STROKE	SPM	LINER	FLOW RATE	AV(DP):	SPM	PPSR
# 1	10.00	105.00	6.500	429.9	AV(DC):		
				HP: 0.568 (hp/in <sup>2</sup> )			

PERSONNEL DATA					
COMPANY	QTY	HRS	COMPANY	QTY	HRS
TOTAL ENERGY SERVICES	1	24.00	CAPSTAR DRILLING Inc. RIG MANAGER	1	24.00
DDC	4	48.00	CAPSTAR DRILLING Inc.	12	96.00

TOTAL PERSONNEL ON BOARD: 18

TOTAL HOURS ON BOARD: 192

MATERIALS/CONSUMPTION					



APACHE CORPORATION  
Daily Drilling Report

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WELLBORE NAME UNIVERSITY LANDS A 37 1H				DATE 01-11-2012
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API # 4210335938 00	24 HRS PROG 688.0 (ft)	TMD 7,663.0 (ft)	TVD 2,990.8 (ft)	REPT NO 21
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ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
DIESEL, RIG FUEL	gal	935	2909				

SAFETY DRILLS

RAMS (psi)	ANNULARS (psi)	CASING	LAST BOP PRESS TEST	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	ABND. DRILL
01-05-2012 / 500	01-05-2012 / 500	01-05-2012 / 500.00	01-05-2012	01-19-2012			

INCIDENT REPORT

INCIDENTS TYPE	NONE	LOST TIME?	NO	INCIDENTS DESCRIPTION
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MUD INVENTORY

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



APACHE CORPORATION  
Daily Drilling Report

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WELLBORE NAME UNIVERSITY LANDS A 37 1H						DATE 01-12-2012					
API # 4210335938 00		24 HRS PROG (ft)		TMD 7,663.0 (ft)		TVD 2,990.8 (ft)		REPT NO 22			
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE		AUTH TMD 7,655.00 (ft)		PLANNED DOW 20.00 (days)		DFS / KO 17.50 (days)		DOL 20.50 (days)	
SPUD DATE 12-26-2011 12:00		RIG RELEASE		SUPERVISOR JAMES W. GARDNER (432)-254-6606				ENGINEER ROBERT CLARY		PBTMD	
REGION PERMIAN		DISTRICT NOTREES - TX CZ		STATE / PROV TEXAS		COUNTY / PARISH CRANE		RIG PHONE NO 281-532-5388		RIG FAX NO 432-818-1198	
AFE # PA-11-0516-D		AFE COSTS		DAILY COSTS				CUMULATIVE COSTS			
DESCRIPTION: DRILL A HORIZONTAL GRAYBURG WELL		DHC: 1,106,300 DCC: CWC: Others: TOTAL: 1,106,300		DHC: 31,835 DCC: CWC: Others: TOTAL: 31,835				DHC: 976,290 DCC: CWC: Others: TOTAL: 976,290			
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)		LAST SAFETY MEETING 1/12/2012		BLOCK		OCSG#		TARGET FORMATION GRAYBURG		BHA HRS OF SERVICE 112.00	
LAST SURVEY				LAST CSG SHOE TEST (EMW)		LAST CASING		NEXT CASING			
MD 7,663.0 (ft) INC 90.60° AZM 165.70°						8.625 in @ 3,000.0 ft		5.500 in @ 7,617.0 ft			
CURRENT OPERATIONS: TIH (SLM) W/ SHUTTLE LOGS ( GAMMA, NEUTRON, DENSITY, DUAL LATERAL, SONIC, CALIPER)											
24 HR SUMMARY: TIH TO 3000' MD: W/R F/ 3025': 15-20 WOB: 65-70 RPM: 430 GPM W/ 785 PSI: CIRC: TOH: PU 3.5" DP AND LOGS: (GAMMA, DUAL LATERAL, CALIPER, NEUTRON, SONIC, DENSITY): TIH:											
24 HR FORECAST: TOH LOGGING W/ WEATHERFORD SHUTTLE LOGS: PU PACKER PLUS NO-GO AND TIH:											
DAILY OP COMMENTS											
TIH TO 3000' MD: W/R F/ 3025': 15-20 WOB: 65-70 RPM: 430 GPM W/ 785 PSI: CIRC: TOH: PU 3.5" DP AND LOGS: (GAMMA, DUAL LATERAL, CALIPER, NEUTRON, SONIC): TIH:											
OPERATION SUMMARY											
From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY				
0:00	0:30	0.50	P-DRL	TRIP	PP		TIH TO 3000' MD: BREAK CIRC:				
0:30	11:30	11.00	P-DRL	RMWASH	PP		W/R F/ 3025': 15-20 WOB: 65-70 RPM: 430 GPM W/ 785 PSI:				
11:30	13:30	2.00	P-DRL	CIRRUN	PP		CIRC SWEEP: SPOT 150 BBL 45 VISC. PILL @ 7663':				
13:30	21:00	7.50	P-DRL	TRIP	PP		TOH W/ REAMER ASSY: NO ISSUES				
21:00	22:30	1.50	P-DRL	TRIP	PP		RU FLOOR TO PU 3.5" DP AND SHUTTLE LOGGING ASSY: STRAP PIPE				
22:30	0:00	1.50	P-DRL	TRIP	PP		PU 3.5" DP AND LOGS: (GAMMA, DUAL LATERAL, CALIPER, NEUTRON, SONIC): TIH: (SLM)				
24.00 = Total Hours Today											
06:00 UPDATE											
0000-0600 PU LOGGING TOOLS & TIH: PRESSURE CHECK @ 1200' INTERVALS											
BIT DATA											
BIT / RUN	SIZE (in)	MANUFACTURER		TYPE	SERIAL NO	JETS OR TFA	DEPTH IN / DATE IN		I-O-D-L-B-G-O-R		
8 / 2	7.875	SECURITY DBS		FX55M	11745838	5x18	7,663.00 / 01-12-2012		-----		
BIT OPERATIONS											
BIT / RUN	WOB	RPM	FLOW RATE	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP
8/2	5/15	60/70	429.87	785	110.23	0.00	0.0	0.0	0.00	0.0	0.0
MOTOR OUTPUT											
RPV:				ROTARY CURRENT: 65				TOTAL RPM: 65			



## APACHE CORPORATION

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## Daily Drilling Report

WELLBORE NAME				DATE
UNIVERSITY LANDS A 37 1H				01-12-2012
API #	24 HRS PROG	TMD	TVD	REPT NO
4210335938 00	(ft)	7,663.0 (ft)	2,990.8 (ft)	22

LCM:	0.0	MUD PROPERTIES					MUD TYPE: BRINE				
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VIS (s/qt)	PV/YP (cp) / (lb/100ft <sup>2</sup> )	GELS (lb/100ft <sup>2</sup> )	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H <sub>2</sub> S (%)	KCL (ppm)	LGS (%)
31.00	1.00/1	1/1	10.0/0.0	0.0/0.00	0.00/0.00	0.00/0.0	0.00/0.00	0.00/0.00	0	0	0.0000	0	0.00

Density (ppg)	10.00	ECD (ppg)	0.00	PP (ppg)	0.00	DAILY COST	3,155.00	CUM COST	10,196	%OIL	0.00	% H <sub>2</sub> O	87.50
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BHA	9	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)		100.0 (kip)		50.0 (kip)		75.0 (kip)		4,000.0 (ft-lbf)		78.36 (ft)		

COMPONENT TYPE		ITEM DESCRIPTION			NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
		4.5 DP			239	7,584.64	4.500	2.500	4.500	XH
		RT TOOL			1	5.42	6.250	3.250	4.500	XH
		DRILL PIPE			0	31.64	4.500	3.250		
		RT TOOL			1	5.26	6.000	3.250	4.500	XH
		DRILL PIPE			1	31.78	6.250		4.500	XH
		BIT SUB			1	3.26	6.250		4.500	XH
		HALLIBURTON FX55M			1	1.00	11.000	3.000	4.500	API REG

## CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
OH	CONDUCTOR	20.000	94.00	H-40	51.0
OH	SURFACE	13.375	48.00	H-40	1,013.0
OH	INTERMEDIATE 1	8.625	32.00	J-55	3,000.0

MUD PUMPS/HYDRAULICS					SPP: 785 (psi)	SPR		
	STROKE	SPM	LINER	FLOW RATE	AV(DP):		SPM	PPSR
# 1	10.00	105.00	6.500	429.9	AV(DC):			
					HP: 0.568 (hp/in <sup>2</sup> )			

## PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
CAPSTAR DRILLING Inc. RIG MANAGER	1	24.00	TOTAL ENERGY SERVICES	1	24.00
WEATHERFORD	2	8.00	DDC	4	48.00
CAPSTAR DRILLING Inc.	12	96.00			

TOTAL PERSONNEL ON BOARD: 20

TOTAL HOURS ON BOARD: 200

## MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
DIESEL, RIG FUEL	gal	748	2161				

## SAFETY DRILLS

RAMS (psi)	ANNULARS (psi)	CASING	LAST BOP PRESS TEST	NEXT BOP PRESS TEST	FIRE DRILL	H <sub>2</sub> S DRILL	ABND. DRILL
01-05-2012 / 500	01-05-2012 / 500	01-05-2012 / 500.00	01-05-2012	01-19-2012			

## INCIDENT REPORT

INCIDENTS TYPE NONE    LOST TIME? NO    INCIDENTS DESCRIPTION

## MUD INVENTORY

ITEM	UNIT	USAGE	Day Cost (\$)	ON HAND
DRLG MUD		3,155.00	3,155.00	0.00

Printed: 1/13/2012 5:45:14AM



## APACHE CORPORATION

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## Daily Drilling Report

WELLBORE NAME UNIVERSITY LANDS A 37 1H										DATE 01-13-2012			
API # 4210335938 00		24 HRS PROG (ft)		TMD 7,663.0 (ft)		TVD 2,990.8 (ft)		REPT NO 23					
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE		AUTH TMD 7,655.00 (ft)		PLANNED DOW 20.00 (days)		DFS / KO 18.50 (days)		DOL 21.50 (days)			
SPUD DATE 12-26-2011 12:00		RIG RELEASE		SUPERVISOR JAMES W. GARDNER (432)-254-6606				ENGINEER ROBERT CLARY		PBTMD			
REGION PERMIAN		DISTRICT NOTREES - TX CZ		STATE / PROV TEXAS		COUNTY / PARISH CRANE		RIG PHONE NO 281-532-5388		RIG FAX NO 432-818-1198			
AFE # PA-11-0516-D		AFE COSTS		DAILY COSTS		CUMULATIVE COSTS							
DESCRIPTION: DRILL A HORIZONTAL GRAYBURG WELL		DHC: 1,106,300 DCC: CWC: Others: TOTAL: 1,106,300		DHC: 75,943 DCC: CWC: Others: TOTAL: 75,943		DHC: 1,052,233 DCC: CWC: Others: TOTAL: 1,052,233							
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)		LAST SAFETY MEETING 1/13/2012		BLOCK		OCSG#		TARGET FORMATION GRAYBURG		BHA HRS OF SERVICE 0.00			
LAST SURVEY				LAST CSG SHOE TEST (EMW)		LAST CASING		NEXT CASING					
MD 7,663.0 (ft) INC 90.60° AZM 165.70°						8.625 in @ 3,000.0 ft		5.500 in @ 7,617.0 ft					
CURRENT OPERATIONS: TOTC @ 23:30 ON 01/13/2012													
24 HR SUMMARY: TIH W/ LOGGING ASSY (SLM): DROP DART & DEPLOY LOGS: TOH LOGGING @ 35 FT/HR: RIG SERV: TOH LOGGING @ 35 FT/HR: LD LOGS: RU IRON ROUGHNECK: RIG REPAIR (PIPE BOOM): LOAD OUT LOGGING TOOLS: TOTC @ 23:30 HRS ON 01/13/2012													
24 HR FORECAST: TOTC @ 23:30 ON 01/13/2012													
DAILY OP COMMENTS													
TIH W/ LOGGING ASSY (SLM): DROP DART & DEPLOY LOGS: TOH LOGGING @ 35 FT/HR: RIG SERV: TOH LOGGING @ 35 FT/HR: LD LOGS: RU IRON ROUGHNECK: RIG REPAIR (PIPE BOOM): LOAD OUT LOGGING TOOLS													
OPERATION SUMMARY													
From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY						
0:00	5:30	5.50	P-DRL	LOG	PP		PU LOGGING TOOLS QUAD COMBO (GAMMA, NEUTRON, DENSITY,DUAL LATERAL, SONIC, CALIPER) & TIH TO 3568' MD:						
5:30	6:00	0.50	P-DRL	LOG	PP		STRAP DP ON RACKS						
6:00	10:30	4.50	P-DRL	LOG	PP		TIH W/ SHUTTLE LOG ASSY. TO 7663' MD: TAGGED BOTTOM						
10:30	11:00	0.50	P-DRL	LOG	PP		LD 6 JTS TO 7485': DROP DART & DEPLOY LOGS						
11:00	17:00	6.00	P-DRL	LOG	PP		TOH LOGGING W/ SHUTTLE LOGS @ 35 FT/MIN: TO 2485'						
17:00	17:30	0.50	P-DRL	RIGSER	PP		RIG SERVICE						
17:30	20:30	3.00	P-DRL	LOG	PP		TOH LOGGING @ 35 FT/MIN TO SURFACE						
20:30	21:30	1.00	P-DRL	LOG	PP		LD LOGGING TOOLS						
21:30	22:00	0.50	P-DRL	RU_RD	PP		CHANG OUT PLATES IN IRON ROUGH NECK						
22:00	22:30	0.50	P-DRL	RIGSER	PN		CHANGE OUT PIN IN PIPE BOOM CYLINDER						
22:30	23:30	1.00	P-DRL	LOG	PP		MOVE 3.5" DP OFF RACKS & LOAD OUT LOGGING TOOLS: (TOTC @ 23:00 HRS ON 01/13/2012:						
23.50 = Total Hours Today													
06:00 UPDATE													
0000-0600 TOTC @ 23:30 HRS ON 01/13/2012													
MOTOR OUTPUT													
RPV:			ROTARY CURRENT:			TOTAL RPM:							
LCM: 0.0			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	1.00/1	1/1	10.0/0.0	0.0/0.00	0.00/0.00	0.00/0.0	0.00/0.00	0.00/0.00	0	0	0.0000	0	0.00
Density (ppg)	10.00	ECD (ppg)	0.00	PP (ppg)	0.00	DAILY COST	0.00	CUM COST	10,196	%OIL	0.00	% H2O	87.50

Printed: 1/14/2012 12:51:52AM



## APACHE CORPORATION

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## Daily Drilling Report

WELLBORE NAME UNIVERSITY LANDS A 37 1H										DATE 01-13-2012	
API # 4210335938 00		24 HRS PROG (ft)		TMD 7,663.0 (ft)		TVD 2,990.8 (ft)		REPT NO 23			
BHA	10	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)		7,301.87 (ft)	
COMPONENT TYPE		ITEM DESCRIPTION				NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
		4.5" DRILL PIPE				20	361.13	4.500	3.826	4.500	XH
		4.5" HWDP				39	1,196.35	4.500	3.875	4.500	XH
		4.5" DRILL PIPE				184	5,863.80	4.500	3.826	4.500	XH
		X-OVER				0	3.25	6.250	3.826	4.500	XH
		FLOAT VALVE				1	2.30	4.750	2.125	3.500	IF
		3.5" DRILL PIPE				0	31.07	3.500		3.500	IF
		TOP LATCHING SUB				1	4.50	4.750	2.500	3.500	IF
		LOWER LATCHING SUB				1	5.50	4.750	2.520	3.500	IF
		3.5" DRILL PIPE				6	185.30	3.500		3.500	IF
		LANDING CIRC SUB				1	8.20	4.750	2.420	3.500	IF
		MULESHOE SUB				1	1.60	4.750	2.500	3.500	IF
CASING											
S/T	DESCRIPTION			SIZE		WEIGHT		GRADE		SETTING DEPTH	
OH	CONDUCTOR			20.000		94.00		H-40		51.0	
OH	SURFACE			13.375		48.00		H-40		1,013.0	
OH	INTERMEDIATE 1			8.625		32.00		J-55		3,000.0	
MUD PUMPS/HYDRAULICS				SPP:			SPR				
STROKE		SPM	LINER	FLOW RATE	AV(DP):			SPM		PPSR	
					AV(DC):						
					HP:						
PERSONNEL DATA											
COMPANY			QTY	HRS	COMPANY			QTY	HRS		
TOTAL ENERGY SERVICES			1	24.00	CAPSTAR DRILLING Inc. RIG MANAGER			1	24.00		
WEATHERFORD			2	48.00	DDC			4	48.00		
CAPSTAR DRILLING Inc.			12	96.00							
TOTAL PERSONNEL ON BOARD: 20											
TOTAL HOURS ON BOARD: 240											
MATERIALS/CONSUMPTION											
ITEM	UNITS	USAGE	ON HAND	ITEM		UNITS	USAGE	ON HAND			
DIESEL, RIG FUEL	gal	686	1475								
SAFETY DRILLS											
RAMS (psi)	ANNULARS (psi)		CASING		LAST BOP PRESS TEST	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	ABND. DRILL		
01-05-2012 / 500	01-05-2012 / 500		01-05-2012 / 500.00		01-05-2012	01-19-2012					
INCIDENT REPORT											
INCIDENTS TYPE NONE		LOST TIME? NO		INCIDENTS DESCRIPTION							
MUD INVENTORY											
ITEM	UNIT			USAGE		Day Cost (\$)		ON HAND			
DRLG MUD				0.00		0.00		0.00			





## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 01-14-2012	
Operator APACHE CORPORATION		API 4210335938	GL 2,536.00	TMD 7,663.00	TVD 2,990.77	RKB/RT 2,547.00	Working Int % 100.00	Report No 2
Region PERMIAN		District NOTREES - TX CZ	License	Well Supervisor JAMES W. GARDNER (432)-254-6606			Engineer / Geologist ROBERT CLARY	
Field DUNE		State TEXAS	County CRANE	Event Code LCM	Event Type LAND-ORIG COMP		Objective	
RIG Name CAPSTAR / 119			RIG Release		RIG PHONE NO 281-532-5388		Superintendent LARRY VAN GILDER	

AFE #:	PA-11-0516-C	AFE Description:					
AFE Costs 3,017,500	Previous Day Cum 2,511	Daily Costs 137,749	Cumulative Cost 140,260	AFE Remaining 2,877,240	AFE % 4.65		

Comment Summary	TIH W/ NO-GO REAMER TO 7663': CIRC & PUMP SWEEP: TOH F/ PACKER ASSY: RU FLOOR & CASING CREW:
24 HR Forecast	RUN 5.5" PRODUCTION PACKER ASSY:

## 24 HR Operational Comments

From	To	Duration	Operation Description
12:00AM	03:30AM	3.50	TIH W/ PACKER PLUS NO-GO REAMER TO 3000':
03:30AM	05:30AM	2.00	SLIP & CUR DRLG LINE:
05:30AM	11:00AM	5.50	TIH W/ NO-GO REAMER: WASH LEDGES @ 6476'-6508': 6942"6972': 7378'-7409':
11:00AM	01:00PM	2.00	CIRC 100 BBL SWEEP & SPOT 150 BBL HI VISC PILL:
01:00PM	07:30PM	6.50	TOH W/ NO-GO REAMER F/ PACKER ASSY:
07:30PM	09:00PM	1.50	RU FLOOR & PIPE BOOM F/RUNNING CSG:
09:00PM	10:00PM	1.00	MOVE PIPE RACKS & LAY OUT PACKER ASSY: RI LEWIS CASING CREW
10:00PM	11:00PM	1.00	HSM: RU LEWIS CASING CREW
11:00PM	12:00AM	1.00	RUN 5.5" PRODUCTION CASING

Remarks
RUN 5.5" PRODUCTION PACKER ASSY:

## Actual Perforations

Date	Zone	From	To	JSPF	Report Date
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## Stimulation

Date	Zone	From	To	Volume	Type
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## Squeeze / Repair / Plugs

Date	From	To	Work Done	Date Report
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## Directional Information

Initial Deviation 1,797	Max Dev 92.2deg at 5,804	Max Dogleg 12.8 deg at 3,075
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## Casing / Tubing Information

Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
CONDUCTOR	20.00	94	H-40	51.00			-2,496.00	
SURFACE	13.38	48	H-40	1,012.99			-1,534.12	
INTERMEDIATE 1	8.63	32, 0	J-55	2,999.99	850		374.10	
PACKER ASSEMBLY 1	5.50	17, 0	L80, N80 Sub, L80 EXR, L80 / 13%Cr	7,634.00			444.08	

## Fluids

Type Water	Weight 10.00	% Solids 0.00	NTU	Company Name NEWPARK
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## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## Personnel

Company Name	No of People	Hours Today	Cum / Event
CAPSTAR DRILLING Inc.	12	96.0	192.0
TOTAL ENERGY SERVICES	1	24.0	48.0
PACKER PLUS	1	4.0	8.0
LEWIS CASING CREWS	4	18.0	18.0
CAPSTAR DRILLING Inc.	1	24.0	48.0
<b>Total:</b>	<b>19</b>	<b>166.0</b>	<b>314.0</b>

## Vessels

Vessel Type	Vessel Name	Vessel Owner	Remarks

## Safety Drills

Rams	Annulars	Casing	Last BOP Test	Next BOP Test
1,000.00 (psi)	500.00 (psi)	1/05/2012 / 1,000.00 (psi)	1/05/2012	1/19/2012

## Weather

Description	Temp	Wind	Seas	Swells

## BULKS

Product	QTY
DIESEL, RIG FUEL	3,959.0



## 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
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000	
70004	CASING CREW	15,000	0	0	0	15,000	
70006	CEMENT AND CEMENTING SERVICES	20,000	0	3,584	3,584	16,416	5.5", LT&C PORT COLLAR
70011	COMPANY SUPERVISION	17,000	0	0	0	17,000	
70017	CONTRACT LABOR	65,000	0	0	0	65,000	
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	600	14,400	15,000	113,000	CAPSTAR 119 / HRLY RATE
70021	CONTRACT SUPERVISION		1,700	1,700	3,400		JAMES W GARDNER
70025	DRILLING FLUIDS		0	0	0		DAILY MUD USAGE
70031	EQUIPMENT RENTAL	130,000	0	0	0	130,000	
70034	FORMATION STIMULATION	1,500,000	0	0	0	1,500,000	
70037	FUEL AND POWER		211	2,551	2,763		RIG FUEL
70049	LOGGING AND WIRELINE	65,000	0	0	0	65,000	
70069	SNUBBING/COIL TUBING UNIT	150,000	0	0	0	150,000	
70074	TRUCKING AND HAULING	90,000	0	0	0	90,000	
70076	TUBULAR INSPECTION/TESTING	3,500	0	0	0	3,500	
Total Intangible Cost		2,248,500	2,511	22,235	24,747	2,223,754	
71001	ARTIFICIAL LIFT	150,000	0	0	0	150,000	
71012	FLOWLINES TO BATTERY	25,000	0	0	0	25,000	
71032	OTHER SUBSURFACE EQUIPMENT	300,000	0	0	0	300,000	
71033	OTHER SURFACE EQUIPMENT	30,000	0	0	0	30,000	
71036	PIPE, VALVES, FITTINGS	100,000	0	0	0	100,000	
71040	PRODUCTION CASING	135,000	0	115,514	115,514	19,486	169 JTS: 5.5" LT&C, 17#, L80 CASING
71053	TUBING	24,000	0	0	0	24,000	
71056	WELLHEAD ASSEMBLY	5,000	0	0	0	5,000	
Total Tangible Cost		769,000	0	115,514	115,514	653,486	
Total:		3,017,500	2,511	137,749	140,260	2,877,240	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 01-15-2012	
Operator APACHE CORPORATION		API 4210335938	GL 2,536.00	TMD 7,663.00	TVD 2,990.77	RKB/RT 2,547.00	Working Int % 100.00	Report No 3
Region PERMIAN		District NOTREES - TX CZ		License		Well Supervisor JAMES W. GARDNER (432)-254-6606		Engineer / Geologist ROBERT CLARY
Field DUNE		State TEXAS		County CRANE		Event Code LCM		Event Type LAND-ORIG COMP
RIG Name CAPSTAR / 119		RIG Release		RIG PHONE NO 281-532-5388		RIG Fax No		Superintendent LARRY VAN GILDER
AFE #: PA-11-0516-C AFE Description:								
AFE Costs 3,017,500		Previous Day Cum 140,260		Daily Costs 18,226		Cumulative Cost 158,486		AFE Remaining 2,859,014
AFE % 5.25								
Comment Summary 24 HR Forecast		RUN 5.5" PRODUCTION PACKER ASSY TO 6634': SLIP & CUT DAMAGED DRLG LINE: RUN 5.5" PRODUCTION PACKER ASSY TO 6930': RUN 5.5" PRODUCTION PACKER ASSY TO 7623': DISP W/ 2% KCL & SET PACKERS: ND BOP & SET CSG SLIPS: NU TBG HEAD & TEST: CLEAN PITS & RELEASE RIG						
24 HR Operational Comments								
From	To	Duration	Operation Description					
12:00AM	06:00PM	18.00	RUN 5.5" PRODUCTION PACKER ASSY TO 6634':					
06:00PM	09:00PM	3.00	SLIP & CUT DAMAGED DRLG LINE:					
09:00PM	12:00AM	3.00	RUN 5.5" PRODUCTION PACKER ASSY TO 6930':					
Remarks								
RUN 5.5" PRODUCTION PACKER ASSY TO 7101':								
Actual Perforations								
Date	Zone	From	To	JSPF	Report Date			
Stimulation								
Date	Zone	From	To	Volume	Type			
Squeeze / Repair / Plugs								
Date	From	To	Work Done				Date Report	
Directional Information								
Initial Deviation 1,797	Max Dev 92.2deg at 5,804		Max Dogleg 12.8 deg at 3,075					
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
CONDUCTOR	20.00	94	H-40	51.00			-2,496.00	
SURFACE	13.38	48	H-40	1,012.99			-1,534.12	
INTERMEDIATE 1	8.63	32, 0	J-55	2,999.99	850		374.10	
PACKER ASSEMBLY 1	5.50	17, 0	L80, N80 Sub, L80 EXR, L80 / 13%Cr	7,634.00			444.08	
Fluids								
Type Water	Weight 10.00	% Solids 0.00	NTU	Company Name NEWPARK				
Personnel								
Company Name	No of People	Hours Today	Cum / Event					
TOTAL ENERGY SERVICES	1	24.0	72.0					
LEWIS CASING CREWS	4	96.0	114.0					
CAPSTAR DRILLING Inc.	1	24.0	72.0					
PACKER PLUS	1	24.0	32.0					
CAPSTAR DRILLING Inc.	12	96.0	288.0					
Total:	19	264.0	578.0					
Vessels								
Vessel Type	Vessel Name	Vessel Owner	Remarks					



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## Safety Drills

Rams	Annulars	Casing	Last BOP Test	Next BOP Test
1,000.00 (psi)	500.00 (psi)	1/05/2012 / 1,000.00 (psi)	1/05/2012	1/19/2012

## Weather

Description	Temp	Wind	Seas	Swells
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## BULKS

Product	QTY
DIESEL, RIG FUEL	3,305.0

## Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000	
70004	CASING CREW	15,000	0	0	0	15,000	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,584	0	3,584	16,416	
70011	COMPANY SUPERVISION	17,000	0	0	0	17,000	
70017	CONTRACT LABOR	65,000	0	0	0	65,000	
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	15,000	14,400	29,400	98,600	CAPSTAR 119 / HRLY RATE
70021	CONTRACT SUPERVISION		3,400	1,700	5,100		JAMES W GARDNER
70025	DRILLING FLUIDS		0	0	0		DAILY MUD USAGE
70031	EQUIPMENT RENTAL	130,000	0	0	0	130,000	
70034	FORMATION STIMULATION	1,500,000	0	0	0	1,500,000	
70037	FUEL AND POWER		2,763	2,126	4,888		RIG FUEL
70049	LOGGING AND WIRELINE	65,000	0	0	0	65,000	
70069	SNUBBING/COIL TUBING UNIT	150,000	0	0	0	150,000	
70074	TRUCKING AND HAULING	90,000	0	0	0	90,000	
70076	TUBULAR INSPECTION/TESTING	3,500	0	0	0	3,500	
Total Intangible Cost		2,248,500	24,747	18,226	42,972	2,205,528	
71001	ARTIFICIAL LIFT	150,000	0	0	0	150,000	
71012	FLOWLINES TO BATTERY	25,000	0	0	0	25,000	
71032	OTHER SUBSURFACE EQUIPMENT	300,000	0	0	0	300,000	
71033	OTHER SURFACE EQUIPMENT	30,000	0	0	0	30,000	
71036	PIPE, VALVES, FITTINGS	100,000	0	0	0	100,000	
71040	PRODUCTION CASING	135,000	115,514	0	115,514	19,486	
71053	TUBING	24,000	0	0	0	24,000	
71056	WELLHEAD ASSEMBLY	5,000	0	0	0	5,000	
Total Tangible Cost		769,000	115,514		115,514	653,486	
Total:		3,017,500	140,260	18,226	158,486	2,859,014	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 01-16-2012		
Operator APACHE CORPORATION		API 4210335938	GL 2,536.00	TMD 7,663.00	TVD 2,990.77	RKB/RT 2,547.00	Working Int % 100.00	Report No 4	
Region PERMIAN		District NOTREES - TX CZ		License		Well Supervisor JAMES W. GARDNER (432)-254-6606		Engineer / Geologist ROBERT CLARY	
Field DUNE		State TEXAS		County CRANE		Event Code LCM		Event Type LAND-ORIG COMP	Objective
RIG Name CAPSTAR / 119			RIG Release		RIG PHONE NO 281-532-5388		RIG Fax No	Superintendent LARRY VAN GILDER	

AFE #:	PA-11-0516-C	AFE Description:				
AFE Costs	Previous Day Cum	Daily Costs	Cumulative Cost	AFE Remaining	AFE %	
3,017,500	158,486	21,704	180,190	2,837,310	5.97	

Comment Summary	RUN 5.5" CSG: CIRC: RUN 5.5" CSG: CIRC & SPOT PILL IN LATERAL: RUN CSG: RIG REPAIR (TOP DRIVE SHEAVE)
24 HR Forecast	REPAIR RIG: (REPLACE SHEAVE ON TOP DRIVE): RUN 5.5" PRODUCTION ASSY TO 7623':

## 24 HR Operational Comments

From	To	Duration	Operation Description
12:00AM	06:00AM	6.00	RUN 5.5" PACKER ASSY TO 7101': AVG 1 HR/JT.
06:00AM	06:30AM	0.50	CIRC @ 7101'
06:30AM	10:00AM	3.50	RUN 5.5" PACKER ASSY TO 7316': AVG 1.5 HR/JT.
10:00AM	10:30AM	0.50	CIRC @ 7316'
10:30AM	01:30PM	3.00	RUN 5.5" PACKER ASSY TO 7357': AVG 1.5 HR/JT.
01:30PM	03:30PM	2.00	CIRC & SPOT PILL IN LATERAL & CURVE @ 7422'
03:30PM	06:30PM	3.00	RUN 5.5" PACKER ASSY TO 7422': AVG 1.75 HR/JT.
06:30PM	07:00PM	0.50	INSPECT SHEAVE ON TOP DRIVE: (BEARINGS OUT ON FAST LINE SHEAVE)
07:00PM	07:30PM	0.50	LD 1 JT CSG TO 7399': RD CSG TONGS
07:30PM	12:00AM	4.50	CIRC & REPLACE SHEAVE BEARINGS IN TOP DRIVE:

Remarks	RIG REPAIR TOP DRIVE SHEAVES: RU CSG CREW & RUN 5.5" PRODUCTION CSG ASSY:
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## Actual Perforations

Date	Zone	From	To	JSPF	Report Date
------	------	------	----	------	-------------

## Stimulation

Date	Zone	From	To	Volume	Type
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## Squeeze / Repair / Plugs

Date	From	To	Work Done	Date Report
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## Directional Information

Initial Deviation	Max Dev	Max Dogleg
1,797	92.2deg at 5,804	12.8 deg at 3,075

## Casing / Tubing Information

Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
CONDUCTOR	20.00	94	H-40	51.00			-2,496.00	
SURFACE	13.38	48	H-40	1,012.99			-1,534.12	
INTERMEDIATE 1	8.63	32, 0	J-55	2,999.99	850		374.10	
PACKER ASSEMBLY 1	5.50	17, 0	L80, N80 Sub, L80 EXR, L80 / 13%Cr	7,634.00			444.08	

## Fluids

Type	Weight	% Solids	NTU	Company Name
Water	10.00	0.00		NEWPARK



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## Personnel

Company Name	No of People	Hours Today	Cum / Event
CAPSTAR DRILLING Inc.	12	96.0	384.0
TOTAL ENERGY SERVICES	1	24.0	96.0
LEWIS CASING CREWS	4	96.0	210.0
PACKER PLUS	1	24.0	56.0
CAPSTAR DRILLING Inc.	1	24.0	96.0
<b>Total:</b>	<b>19</b>	<b>264.0</b>	<b>842.0</b>

## Vessels

Vessel Type	Vessel Name	Vessel Owner	Remarks

## Safety Drills

Rams	Annulars	Casing	Last BOP Test	Next BOP Test
1,000.00 (psi)	500.00 (psi)	1/05/2012 / 1,000.00 (psi)	1/05/2012	1/19/2012

## Weather

Description	Temp	Wind	Seas	Swells

## BULKS

Product	QTY
DIESEL, RIG FUEL	2,930.0



## 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
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000	
70004	CASING CREW	15,000	0	0	0	15,000	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,584	0	3,584	16,416	
70011	COMPANY SUPERVISION	17,000	0	0	0	17,000	
70017	CONTRACT LABOR	65,000	0	0	0	65,000	
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	29,400	14,400	43,800	84,200	CAPSTAR 119 / HRLY RATE
70021	CONTRACT SUPERVISION		5,100	1,700	6,800		JAMES W GARDNER
70025	DRILLING FLUIDS		0	4,385	4,385		DAILY MUD USAGE
70031	EQUIPMENT RENTAL	130,000	0	0	0	130,000	
70034	FORMATION STIMULATION	1,500,000	0	0	0	1,500,000	
70037	FUEL AND POWER		4,888	1,219	6,107		RIG FUEL
70049	LOGGING AND WIRELINE	65,000	0	0	0	65,000	
70069	SNUBBING/COIL TUBING UNIT	150,000	0	0	0	150,000	
70074	TRUCKING AND HAULING	90,000	0	0	0	90,000	
70076	TUBULAR INSPECTION/TESTING	3,500	0	0	0	3,500	
Total Intangible Cost		2,248,500	42,972	21,704	64,676	2,183,824	
71001	ARTIFICIAL LIFT	150,000	0	0	0	150,000	
71012	FLOWLINES TO BATTERY	25,000	0	0	0	25,000	
71032	OTHER SUBSURFACE EQUIPMENT	300,000	0	0	0	300,000	
71033	OTHER SURFACE EQUIPMENT	30,000	0	0	0	30,000	
71036	PIPE, VALVES, FITTINGS	100,000	0	0	0	100,000	
71040	PRODUCTION CASING	135,000	115,514	0	115,514	19,486	
71053	TUBING	24,000	0	0	0	24,000	
71056	WELLHEAD ASSEMBLY	5,000	0	0	0	5,000	
Total Tangible Cost		769,000	115,514		115,514	653,486	
Total:		3,017,500	158,486	21,704	180,190	2,837,310	





## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 01-17-2012	
Operator APACHE CORPORATION		API 4210335938	GL 2,536.00	TMD 7,663.00	TVD 2,990.77	RKB/RT 2,547.00	Working Int % 100.00	Report No 5
Region PERMIAN		District NOTREES - TX CZ	License		Well Supervisor JAMES W. GARDNER (432)-254-6606		Engineer / Geologist ROBERT CLARY	
Field DUNE		State TEXAS		County CRANE	Event Code LCM	Event Type LAND-ORIG COMP		Objective
RIG Name CAPSTAR / 119			RIG Release 1/17/2012 10:00:00PM		RIG PHONE NO 281-532-5388		RIG Fax No	Superintendent LARRY VAN GILDER
AFE #: PA-11-0516-C AFE Description:								
AFE Costs 3,017,500		Previous Day Cum 180,190		Daily Costs 397,004	Cumulative Cost 577,194	AFE Remaining 2,440,306		AFE % 19.13
Comment Summary		REPAIR RIG: FINISH RUN 5.5" PACKER ASSY: DISP W/ 2% KCL: SET PACKERS: ND BOP: SET SLIPS: CLEAN PITS: RELEASE RIG @ 22:00 HRS ON 01/17/2012						
24 HR Forecast		WAIT ON TRUCKS: MOVE RIG						
24 HR Operational Comments								
From	To	Duration	Operation Description					
12:00AM	02:00AM	2.00	RIG REPAIR (REPLACE SHEAVE ON TOP DRIVE)					
02:00AM	02:30AM	0.50	RD WELDERS & MECHANICS EQUIP:					
02:30AM	05:00AM	2.50	CIRC & RU FLOOR TO RUN CSG					
05:00AM	01:00PM	8.00	RU CSG CREW & RUN 5.5" PACKER ASSY: TO 7623' MD: 2995 TVD:					
01:00PM	02:00PM	1.00	CIRC & DISP W/ 2% KCL (187 BBLs: 1918 STKS)					
02:00PM	03:30PM	1.50	DROP SETTING BALLS & PUMP @ 3.0 BPM: SET PACKERS W/ 2248 PSI: PERFORM PUSH/PULL TEST:					
03:30PM	04:00PM	0.50	TEST ANNULUS W/ 700 PSI: TEST GOOD					
04:00PM	06:00PM	2.00	ND BOP'S: PU BOP & SET SILPS (70K ON SLIPS): CUT OFF CSG:					
06:00PM	08:00PM	2.00	SET BACK BOP: NU TBG HEAD					
08:00PM	10:00PM	2.00	JET & CLEAN PITS: RIG RELEASED @ 22:00 HRS ON 01/17/2012					
Remarks								
WAIT ON TRUCKS TO MOVE RIG								
Actual Perforations								
Date	Zone	From	To	JSPF	Report Date			
Stimulation								
Date	Zone	From	To	Volume	Type			
Squeeze / Repair / Plugs								
Date	From	To	Work Done				Date Report	
Directional Information								
Initial Deviation 1,797	Max Dev 92.2deg at 5,804		Max Dogleg 12.8 deg at 3,075					
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
CONDUCTOR	20.00	94	H-40	51.00			-2,496.00	
SURFACE	13.38	48	H-40	1,012.99			-1,534.12	
INTERMEDIATE 1	8.63	32, 0	J-55	2,999.99	850		374.10	
PACKER ASSEMBLY 1	5.50	17, 0	L80, N80 Sub, L80 EXR, L80 / 13%Cr	7,634.00			444.08	
Fluids								
Type	Weight	% Solids	NTU	Company Name				
Water	10.00	0.00		NEWPARK				



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## Personnel

Company Name	No of People	Hours Today	Cum / Event
CAPSTAR DRILLING Inc.	1	24.0	120.0
PACKER PLUS	1	24.0	80.0
LEWIS CASING CREWS	4	24.0	234.0
TOTAL ENERGY SERVICES	1	24.0	120.0
CAPSTAR DRILLING Inc.	12	96.0	480.0
<b>Total:</b>	<b>19</b>	<b>192.0</b>	<b>1,034.0</b>

## Vessels

Vessel Type	Vessel Name	Vessel Owner	Remarks

## Safety Drills

Rams	Annulars	Casing	Last BOP Test	Next BOP Test
1,000.00 (psi)	500.00 (psi)	1/05/2012 / 1,000.00 (psi)	1/05/2012	1/19/2012

## Weather

Description	Temp	Wind	Seas	Swells

## BULKS

Product	QTY
DIESEL, RIG FUEL	2,618.0



# APACHE CORPORATION

## Daily Land - Orig Comp Report

### Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000	
70004	CASING CREW	15,000	0	31,082	31,082	-16,082	RUN 5.5" PACKER ASSY
70006	CEMENT AND CEMENTING SERVICES	20,000	3,584	0	3,584	16,416	
70011	COMPANY SUPERVISION	17,000	0	0	0	17,000	
70017	CONTRACT LABOR	65,000	0	0	0	65,000	
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	43,800	14,400	58,200	69,800	CAPSTAR 119 / HRLY RATE
70021	CONTRACT SUPERVISION		6,800	1,700	8,500		JAMES W GARDNER
70025	DRILLING FLUIDS		4,385	4,385	8,770		DAILY MUD USAGE
70031	EQUIPMENT RENTAL	130,000	0	0	0	130,000	
70034	FORMATION STIMULATION	1,500,000	0	0	0	1,500,000	
70037	FUEL AND POWER		6,107	1,014	7,121		RIG FUEL
70049	LOGGING AND WIRELINE	65,000	0	0	0	65,000	
70069	SNUBBING/COIL TUBING UNIT	150,000	0	0	0	150,000	
70074	TRUCKING AND HAULING	90,000	0	0	0	90,000	
70076	TUBULAR INSPECTION/TESTING	3,500	0	1,834	1,834	1,666	BHA INSPECTION
70077	WATER			1,785			2% KCL
Total Intangible Cost		2,248,500	64,676	56,200	120,876	2,127,624	
71001	ARTIFICIAL LIFT	150,000	0	0	0	150,000	
71012	FLOWLINES TO BATTERY	25,000	0	0	0	25,000	
71032	OTHER SUBSURFACE EQUIPMENT	300,000	0	335,635	335,635	-35,635	PACKER PLUS PACKER ASSY
71033	OTHER SURFACE EQUIPMENT	30,000	0	0	0	30,000	
71036	PIPE, VALVES, FITTINGS	100,000	0	0	0	100,000	
71040	PRODUCTION CASING	135,000	115,514	0	115,514	19,486	
71053	TUBING	24,000	0	0	0	24,000	
71056	WELLHEAD ASSEMBLY	5,000	0	5,169	5,169	-169	TBG HEAD ASSY
Total Tangible Cost		769,000	115,514	340,804	456,318	312,682	
Total:		3,017,500	180,190	397,004	577,194	2,440,306	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 04-10-2012	
Operator APACHE CORPORATION		API 4210335938	GL 2,536.00	TMD 7,663.00	TVD 2,990.77	RKB/RT 2,547.00	Working Int % 100.00	Report No 7
Region PERMIAN		District NOTREES - TX CZ	License	Well Supervisor DANNY GALVAN / HARRISON HARVEY		Engineer / Geologist PATRICK ROARK		
Field DUNE	State TEXAS	County CRANE	Event Code LCM	Event Type LAND-ORIG COMP		Objective		
RIG Name CAPSTAR / 119			RIG Release 1/17/2012 10:00:00PM	RIG PHONE NO	RIG Fax No	Superintendent		
AFE #: PA-11-0516-C		AFE Description:						
AFE Costs 3,017,500		Previous Day Cum 579,794	Daily Costs 1,700	Cumulative Cost 581,494	AFE Remaining 2,436,006	AFE % 19.27		
Current Status Comment Summary 24 HR Forecast		RU PM TRK ATTEMPT TO PRESS UP CSG TO 3000# LOST 1000# WALK UP TO 3400# SOMETHING OPENED ESTAB PM INN RATE @ 5 BPM-900# NO COMMUN @ SURF. SET RBP ON W/L @ 2250' TO TEST PORT COLLAR.						
24 HR Operational Comments								
From	To	Duration	Operation Description					
Remarks								
RU PM TRK ATTEMPT TO PRESS UP CSG TO 3000# LOST 1000# WALK UP TO 3400# SOMETHING OPENED PRESS DROP TO 300# ESTAB PM INN RATE @ 5 BPM-900# NO COMMUN @ SURF.								
Actual Perforations								
Date	Zone	From	To	JSPF	Report Date			
Stimulation								
Date	Zone	From	To	Volume	Type			
Squeeze / Repair / Plugs								
Date	From	To	Work Done	Date Report				
Directional Information								
Initial Deviation 1,797	Max Dev 92.2deg at 5,804		Max Dogleg 12.8 deg at 3,075					
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
CONDUCTOR	20.00	94	H-40	51.00			-2,496.00	
SURFACE	13.38	48	H-40	1,012.99			-1,534.12	
INTERMEDIATE 1	8.63	32, 0	J-55	2,999.99	850		374.10	
PACKER ASSEMBLY 1	5.50	17, 0	L80, N80 Sub, L80 EXR, L80 / 13%Cr	7,634.00			444.08	
Fluids								
Type	Weight	% Solids	NTU	Company Name				
Personnel								
Company Name	No of People	Hours Today	Cum / Event					
Total:								
Vessels								
Vessel Type	Vessel Name	Vessel Owner	Remarks					



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 04-10-2012
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Operator APACHE CORPORATION	API 4210335938	GL 2,536.00	TMD 7,663.00	TVD 2,990.77	RKB/RT 2,547.00	Working Int % 100.00	Report No 7
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Region PERMIAN	District NOTREES - TX CZ	License	Well Supervisor DANNY GALVAN / HARRISON HARVEY		Engineer / Geologist PATRICK ROARK		
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Field DUNE	State TEXAS	County CRANE	Event Code LCM	Event Type LAND-ORIG COMP	Objective		
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## Safety Drills

Rams	Annulars	Casing	Last BOP Test	Next BOP Test
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## Weather

Description	Temp	Wind	Seas	Swells
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## BULKS

Product	QTY
DIESEL, RIG FUEL	0.0
	2,618.0

## Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000	
70004	CASING CREW	15,000	31,082	0	31,082	-16,082	RUN 5.5" PACKER ASSY
70006	CEMENT AND CEMENTING SERVICES	20,000	3,584	0	3,584	16,416	5.5", LT&C PORT COLLAR
70011	COMPANY SUPERVISION	17,000	500	500	1,000	16,000	GALVAN
70017	CONTRACT LABOR	65,000	1,200	0	1,200	63,800	BADGETT CONST., L & L BACKHOE
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	58,200	0	58,200	69,800	CAPSTAR 119 / HRLY RATE
70021	CONTRACT SUPERVISION		8,500	0	8,500		JAMES W GARDNER
70025	DRILLING FLUIDS		8,770	0	8,770		DAILY MUD USAGE
70031	EQUIPMENT RENTAL	130,000	0	0	0	130,000	
70034	FORMATION STIMULATION	1,500,000	0	0	0	1,500,000	
70037	FUEL AND POWER		7,121	0	7,121		RIG FUEL
70049	LOGGING AND WIRELINE	65,000	0	0	0	65,000	
70069	SNUBBING/COIL TUBING UNIT	150,000	0	0	0	150,000	
70074	TRUCKING AND HAULING	90,000	600	1,200	1,800	88,200	APA, BASIC
70076	TUBULAR INSPECTION/TESTING	3,500	1,834	0	1,834	1,666	BHA INSPECTION
70077	WATER		1,785	0	1,785		2% KCL
Total Intangible Cost		2,248,500	123,176	1,700	124,876	2,123,624	
71001	ARTIFICIAL LIFT	150,000	0	0	0	150,000	
71012	FLOWLINES TO BATTERY	25,000	0	0	0	25,000	
71032	OTHER SUBSURFACE EQUIPMENT	300,000	335,635	0	335,635	-35,635	PACKER PLUS PACKER ASSY
71033	OTHER SURFACE EQUIPMENT	30,000	0	0	0	30,000	
71036	PIPE, VALVES, FITTINGS	100,000	300	0	300	99,700	WILSON SUPPLY
71040	PRODUCTION CASING	135,000	115,514	0	115,514	19,486	169 JTS: 5.5" LT&C, 17#, L80 CASING
71053	TUBING	24,000	0	0	0	24,000	
71056	WELLHEAD ASSEMBLY	5,000	5,169	0	5,169	-169	TBG HEAD ASSY
Total Tangible Cost		769,000	456,618	0	456,618	312,382	
Total:		3,017,500	579,794	1,700	581,494	2,436,006	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 04-11-2012	
Operator APACHE CORPORATION		API 4210335938	GL 2,536.00	TMD 7,663.00	TVD	RKB/RT 2,547.00	Working Int % 100.00	Report No 8
Region PERMIAN		District NOTREES - TX CZ	License	Well Supervisor DANNY GALVAN / HARRISON HARVEY			Engineer / Geologist PATRICK ROARK	
Field DUNE	State TEXAS	County CRANE	Event Code LCM	Event Type LAND-ORIG COMP		Objective		
RIG Name CAPSTAR / 119			RIG Release 1/17/2012 10:00:00PM	RIG PHONE NO	RIG Fax No	Superintendent		
AFE #: PA-11-0516-C		AFE Description:						
AFE Costs 3,017,500	Previous Day Cum 581,494	Daily Costs 11,170	Cumulative Cost 592,664	AFE Remaining 2,424,836	AFE % 19.64			
Current Status	RIH SET RBP, TEST PORT COLLAR.							
Comment Summary	RU RGWLS RIH W/ 5 1/2" RBP SET @ 2250' RD RGWLS RU PMP TRK PSI TEST @ 3000# PORT COLLAR GOOD MISURU RIH W/ S/L POH W/ RBP RD.							
24 HR Forecast	RU COIL TBG RIH W/ 1.25" COIL TEST STAGE 2 TO SURF							
24 HR Operational Comments								
From	To	Duration	Operation Description					
Remarks								
RU RGWLS RIH W/ 5 1/2" RBP & SET @ 2250' RD RGWLS, RU PMP TRK PSI TEST @ 3000# PORT COLLAR GOOD. MISURU NU BOP RIH W/ S/L & RETRIEVED RBP POH LD RBP RD.								
Actual Perforations								
Date	Zone	From	To	JSPF	Report Date			
Stimulation								
Date	Zone	From	To	Volume	Type			
Squeeze / Repair / Plugs								
Date	From	To	Work Done	Date Report				
Directional Information								
Initial Deviation 1,797	Max Dev 92.2deg at 5,804		Max Dogleg 12.8 deg at 3,075					
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
CONDUCTOR	20.00	94	H-40	51.00			-2,496.00	
SURFACE	13.38	48	H-40	1,012.99			-1,534.12	
INTERMEDIATE 1	8.63	32, 0	J-55	2,999.99	850		374.10	
PACKER ASSEMBLY 1	5.50	17, 0	L80, N80 Sub, L80 EXR, L80 / 13%Cr	7,634.00			444.08	
Fluids								
Type	Weight	% Solids	NTU	Company Name				
Personnel								
Company Name	No of People	Hours Today	Cum / Event					
Total:								
Vessels								
Vessel Type	Vessel Name	Vessel Owner	Remarks					



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 04-11-2012		
Operator APACHE CORPORATION		API 4210335938	GL 2,536.00	TMD 7,663.00	TVD	RKB/RT 2,547.00	Working Int % 100.00	Report No 8	
Region PERMIAN		District NOTREES - TX CZ		License		Well Supervisor DANNY GALVAN / HARRISON HARVEY		Engineer / Geologist PATRICK ROARK	
Field DUNE		State TEXAS		County CRANE		Event Code LCM		Event Type LAND-ORIG COMP	Objective
Safety Drills									
Rams		Annulars		Casing		Last BOP Test		Next BOP Test	
Weather									
Description		Temp		Wind		Seas		Swells	
BULKS									
Product				QTY					
DIESEL, RIG FUEL				0.0					
				2,618.0					



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 04-11-2012	
Operator APACHE CORPORATION		API 4210335938	GL 2,536.00	TMD 7,663.00	TVD	RKB/RT 2,547.00	Working Int % 100.00	Report No 8
Region PERMIAN		District NOTREES - TX CZ	License		Well Supervisor DANNY GALVAN / HARRISON HARVEY		Engineer / Geologist PATRICK ROARK	
Field DUNE		State TEXAS		County CRANE	Event Code LCM	Event Type LAND-ORIG COMP		Objective
Daily Cost Detail								
Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description	
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000		
70004	CASING CREW	15,000	31,082	0	31,082	-16,082	RUN 5.5" PACKER ASSY	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,584	0	3,584	16,416	5.5", LT&C PORT COLLAR	
70011	COMPANY SUPERVISION			0			J. HONESTO	
70011	COMPANY SUPERVISION			500			GALVAN	
70011	COMPANY SUPERVISION			0			J. HONESTO	
70011	COMPANY SUPERVISION	17,000	1,000	500	1,500	15,500		
70017	CONTRACT LABOR			3,375			BADGETT CONST., L & L BACKHOE/GF	
70017	CONTRACT LABOR			0			BADGETT CONST., L & L BACKHOE	
70017	CONTRACT LABOR	65,000	1,200	3,375	4,575	60,425		
70019	CONTRACT DRILLING-DAY/TURNKEY			0			CAPSTAR 119 / HRLY RATE	
70019	CONTRACT DRILLING-DAY/TURNKEY			0			GWS	
70019	CONTRACT DRILLING-DAY/TURNKEY			2,200			GWS	
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	58,200	2,200	60,400	67,600		
70021	CONTRACT SUPERVISION		8,500	0	8,500		JAMES W GARDNER	
70025	DRILLING FLUIDS		8,770	0	8,770		DAILY MUD USAGE	
70031	EQUIPMENT RENTAL	130,000	0	950	950	129,050	CAGLE BOP	
70034	FORMATION STIMULATION	1,500,000	0	0	0	1,500,000		
70037	FUEL AND POWER		7,121	0	7,121		RIG FUEL	
70049	LOGGING AND WIRELINE	65,000	0	3,405	3,405	61,595	RGWLS	
70069	SNUBBING/COIL TUBING UNIT	150,000	0	0	0	150,000		
70074	TRUCKING AND HAULING			0			APA, BASIC	
70074	TRUCKING AND HAULING			0			TRIPLE S SERV.	
70074	TRUCKING AND HAULING			0			APA, BASIC	
70074	TRUCKING AND HAULING			740			TRIPLE S SERV./ BG TKG / FRKLT	
70074	TRUCKING AND HAULING	90,000	1,800	740	2,540	87,460		
70076	TUBULAR INSPECTION/TESTING	3,500	1,834	0	1,834	1,666	BHA INSPECTION	
70077	WATER		1,785	0	1,785		2% KCL	
Total Intangible Cost		2,248,500	124,876	11,170	136,046	2,112,454		
71001	ARTIFICIAL LIFT	150,000	0	0	0	150,000		
71012	FLOWLINES TO BATTERY	25,000	0	0	0	25,000		
71032	OTHER SUBSURFACE EQUIPMENT	300,000	335,635	0	335,635	-35,635	PACKER PLUS PACKER ASSY	
71033	OTHER SURFACE EQUIPMENT	30,000	0	0	0	30,000		
71036	PIPE, VALVES, FITTINGS	100,000	300	0	300	99,700	WILSON SUPPLY	
71040	PRODUCTION CASING	135,000	115,514	0	115,514	19,486	169 JTS: 5.5" LT&C, 17#, L80 CASING	
71053	TUBING	24,000	0	0	0	24,000		
71056	WELLHEAD ASSEMBLY	5,000	5,169	0	5,169	-169	TBG HEAD ASSY	
Total Tangible Cost		769,000	456,618	0	456,618	312,382		





## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 04-11-2012	
Operator APACHE CORPORATION		API 4210335938	GL 2,536.00	TMD 7,663.00	TVD	RKB/RT 2,547.00	Working Int % 100.00	Report No 8
Region PERMIAN		District NOTREES - TX CZ		License		Well Supervisor DANNY GALVAN / HARRISON HARVEY		Engineer / Geologist PATRICK ROARK
Field DUNE		State TEXAS		County CRANE		Event Code LCM		Event Type LAND-ORIG COMP
Objective		Total:		3,017,500	581,494	11,170	592,664	2,424,836



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 04-12-2012		
Operator APACHE CORPORATION		API 4210335938	GL 2,536.00	TMD 7,663.00	TVD	RKB/RT 2,547.00	Working Int % 100.00	Report No 9	
Region PERMIAN		District NOTREES - TX CZ		License		Well Supervisor DANNY GALVAN / HARRISON HARVEY		Engineer / Geologist PATRICK ROARK	
Field DUNE		State TEXAS		County CRANE		Event Code LCM		Event Type LAND-ORIG COMP	Objective
RIG Name CAPSTAR / 119			RIG Release 1/17/2012 10:00:00PM		RIG PHONE NO		RIG Fax No	Superintendent	
AFE #: PA-11-0516-C		AFE Description:							
AFE Costs 3,017,500		Previous Day Cum 592,664		Daily Costs 27,300		Cumulative Cost 619,964		AFE Remaining 2,397,536	AFE % 20.55
Current Status Comment Summary 24 HR Forecast		RU 2" BALL ACTIVATOR ON 1.25" CT RIH TAG-5255' WORK THRU HAD TO WORK DN TO 5374', POH RIH WASH TOOL/CT TAG @ 6010' WORK DN TO 6218' POH & RDCT. EVALUATE OPTIONS							
24 HR Operational Comments									
From	To	Duration	Operation Description						
Remarks									
RU 2" BALL ACTIVATOR ON 1.25" CT RIH TAG 5255' WORK THRU TO 5300 PUH 30' PM 50 BW DN CSG 20-3 BPM @ 500# CONT TO WORK COIL DN TO 5374' DECIDED TO POH. RIH W/ WASH TOOL ON CT TAG 6010', 6066', 6177, 6218' OVER A 3 HR PERIOD POH RDCT.									
Actual Perforations									
Date	Zone	From		To	JSPF	Report Date			
Stimulation									
Date	Zone	From		To	Volume	Type			
Squeeze / Repair / Plugs									
Date	From	To	Work Done				Date Report		
Directional Information									
Initial Deviation 1,797	Max Dev 92.2deg at 5,804		Max Dogleg 12.8 deg at 3,075						
Casing / Tubing Information									
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method	
CONDUCTOR	20.00	94	H-40	51.00			-2,496.00		
SURFACE	13.38	48	H-40	1,012.99			-1,534.12		
INTERMEDIATE 1	8.63	32, 0	J-55	2,999.99	850		374.10		
PACKER ASSEMBLY 1	5.50	17, 0	L80, N80 Sub, L80 EXR, L80 / 13%Cr	7,634.00			444.08		
Fluids									
Type	Weight	% Solids	NTU	Company Name					
Personnel									
Company Name	No of People	Hours Today	Cum / Event						
Total:									
Vessels									
Vessel Type	Vessel Name	Vessel Owner	Remarks						



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 04-12-2012		
Operator APACHE CORPORATION		API 4210335938	GL 2,536.00	TMD 7,663.00	TVD	RKB/RT 2,547.00	Working Int % 100.00	Report No 9	
Region PERMIAN		District NOTREES - TX CZ		License		Well Supervisor DANNY GALVAN / HARRISON HARVEY		Engineer / Geologist PATRICK ROARK	
Field DUNE		State TEXAS		County CRANE		Event Code LCM		Event Type LAND-ORIG COMP	Objective
Safety Drills									
Rams		Annulars		Casing		Last BOP Test		Next BOP Test	
Weather									
Description		Temp		Wind		Seas		Swells	
BULKS									
Product				QTY					
DIESEL, RIG FUEL				0.0					
				2,618.0					



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 04-12-2012
Operator APACHE CORPORATION	API 4210335938	GL 2,536.00	TMD 7,663.00	TVD	RKB/RT 2,547.00	Working Int % 100.00	Report No 9
Region PERMIAN	District NOTREES - TX CZ	License	Well Supervisor DANNY GALVAN / HARRISON HARVEY			Engineer / Geologist PATRICK ROARK	
Field DUNE	State TEXAS	County CRANE	Event Code LCM	Event Type LAND-ORIG COMP		Objective	

## Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000	
70004	CASING CREW	15,000	31,082	0	31,082	-16,082	RUN 5.5" PACKER ASSY
70006	CEMENT AND CEMENTING SERVICES	20,000	3,584	0	3,584	16,416	5.5", LT&C PORT COLLAR
70011	COMPANY SUPERVISION			500			J. HONESTO
70011	COMPANY SUPERVISION			0			GALVAN
70011	COMPANY SUPERVISION	17,000	1,500	500	2,000	15,000	
70017	CONTRACT LABOR			0			BADGETT CONST., L & L BACKHOE/GF
70017	CONTRACT LABOR			0			BADGETT CONST., L & L BACKHOE
70017	CONTRACT LABOR	65,000	4,575	0	4,575	60,425	
70019	CONTRACT DRILLING-DAY/TURNKEY			0			GWS
70019	CONTRACT DRILLING-DAY/TURNKEY			0			CAPSTAR 119 / HRLY RATE
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	60,400	0	60,400	67,600	
70021	CONTRACT SUPERVISION		8,500	0	8,500		JAMES W GARDNER
70025	DRILLING FLUIDS		8,770	0	8,770		DAILY MUD USAGE
70031	EQUIPMENT RENTAL	130,000	950	0	950	129,050	CAGLE BOP
70034	FORMATION STIMULATION	1,500,000	0	0	0	1,500,000	
70037	FUEL AND POWER		7,121	0	7,121		RIG FUEL
70049	LOGGING AND WIRELINE	65,000	3,405	0	3,405	61,595	RGWLS
70069	SNUBBING/COIL TUBING UNIT	150,000	0	25,000	25,000	125,000	BWWC
70074	TRUCKING AND HAULING			1,800			TRIPLE S SERV./ BG TKG / FRKLT
70074	TRUCKING AND HAULING			0			APA, BASIC
70074	TRUCKING AND HAULING			0			TRIPLE S SERV.
70074	TRUCKING AND HAULING	90,000	2,540	1,800	4,340	85,660	
70076	TUBULAR INSPECTION/TESTING	3,500	1,834	0	1,834	1,666	BHA INSPECTION
70077	WATER		1,785	0	1,785		2% KCL
Total Intangible Cost		2,248,500	136,046	27,300	163,346	2,085,154	
71001	ARTIFICIAL LIFT	150,000	0	0	0	150,000	
71012	FLOWLINES TO BATTERY	25,000	0	0	0	25,000	
71032	OTHER SUBSURFACE EQUIPMENT	300,000	335,635	0	335,635	-35,635	PACKER PLUS PACKER ASSY
71033	OTHER SURFACE EQUIPMENT	30,000	0	0	0	30,000	
71036	PIPE, VALVES, FITTINGS	100,000	300	0	300	99,700	WILSON SUPPLY
71040	PRODUCTION CASING	135,000	115,514	0	115,514	19,486	169 JTS: 5.5" LT&C, 17#, L80 CASING
71053	TUBING	24,000	0	0	0	24,000	
71056	WELLHEAD ASSEMBLY	5,000	5,169	0	5,169	-169	TBG HEAD ASSY
Total Tangible Cost		769,000	456,618	0	456,618	312,382	
Total:		3,017,500	592,664	27,300	619,964	2,397,536	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 04-16-2012	
Operator APACHE CORPORATION		API 4210335938	GL 2,536.00	TMD 7,663.00	TVD	RKB/RT 2,547.00	Working Int % 100.00	Report No 10
Region PERMIAN		District NOTREES - TX CZ	License	Well Supervisor DANNY GALVAN / HARRISON HARVEY			Engineer / Geologist PATRICK ROARK	
Field DUNE		State TEXAS	County CRANE	Event Code LCM	Event Type LAND-ORIG COMP		Objective	
RIG Name CAPSTAR / 119			RIG Release 1/17/2012 10:00:00PM	RIG PHONE NO	RIG Fax No	Superintendent		
AFE #: PA-11-0516-C		AFE Description:						
AFE Costs 3,017,500		Previous Day Cum 619,964	Daily Costs 46,431	Cumulative Cost 666,395	AFE Remaining 2,351,105	AFE % 22.08		
Current Status Comment Summary 24 HR Forecast		RU 2.875" BALL ACTIVATOR ON 1.75" CT RIH SEATED @ 5246' PSI TEST @ 600# POH PU 2" BALL ACTIVATOR RIH TAG @ 6930' STG 3 WRK DWN & SEAT @ 7221' TEST CSG @ 575# GOOD TO SURFACE POH RD CT WELL READY FOR FRAC						
24 HR Operational Comments								
From	To	Duration	Operation Description					
Remarks								
RU WES RU 2.875" BALL ACTIVATOR ON 1.75" CT RIH SEATED @ 5246' PSI TEST @ 600# CSG GOOD TO SURFACE. POH PU 2" BALL ACTIVATOR RIH TAG @ 6930' STG 3 WRK DWN TO 7040' START VICSOUS PILL SLID PIPE WRK DWN & SEAT @ 7221' STG 2 TEST CSG @ 575# GOOD TO SURFACE POH SDFN.								
Actual Perforations								
Date	Zone	From	To	JSPF	Report Date			
Stimulation								
Date	Zone	From	To	Volume	Type			
Squeeze / Repair / Plugs								
Date	From	To	Work Done				Date Report	
Directional Information								
Initial Deviation 1,797	Max Dev 92.2deg at 5,804		Max Dogleg 12.8 deg at 3,075					
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
CONDUCTOR	20.00	94	H-40	51.00			-2,496.00	
SURFACE	13.38	48	H-40	1,012.99			-1,534.12	
INTERMEDIATE 1	8.63	32, 0	J-55	2,999.99	850		374.10	
PACKER ASSEMBLY 1	5.50	17, 0	L80, N80 Sub, L80 EXR, L80 / 13%Cr	7,634.00			444.08	
Fluids								
Type	Weight	% Solids	NTU	Company Name				
Personnel								
Company Name	No of People	Hours Today	Cum / Event					
Total:								
Vessels								
Vessel Type	Vessel Name	Vessel Owner	Remarks					



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 04-16-2012	
Operator APACHE CORPORATION		API 4210335938	GL 2,536.00	TMD 7,663.00	TVD	RKB/RT 2,547.00	Working Int % 100.00	Report No 10
Region PERMIAN		District NOTREES - TX CZ		License		Well Supervisor DANNY GALVAN / HARRISON HARVEY		Engineer / Geologist PATRICK ROARK
Field DUNE	State TEXAS		County CRANE		Event Code LCM	Event Type LAND-ORIG COMP		Objective
Safety Drills								
Rams		Annulars		Casing		Last BOP Test		Next BOP Test
Weather								
Description		Temp		Wind		Seas		Swells
BULKS								
Product				QTY				
DIESEL, RIG FUEL				0.0				
				2,618.0				



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 04-16-2012	
Operator APACHE CORPORATION		API 4210335938	GL 2,536.00	TMD 7,663.00	TVD	RKB/RT 2,547.00	Working Int % 100.00	Report No 10
Region PERMIAN		District NOTREES - TX CZ	License	Well Supervisor DANNY GALVAN / HARRISON HARVEY			Engineer / Geologist PATRICK ROARK	
Field DUNE		State TEXAS	County CRANE	Event Code LCM	Event Type LAND-ORIG COMP		Objective	
Daily Cost Detail								
Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description	
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000		
70004	CASING CREW	15,000	31,082	0	31,082	-16,082	RUN 5.5" PACKER ASSY	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,584	0	3,584	16,416	5.5", LT&C PORT COLLAR	
70011	COMPANY SUPERVISION			0			J. HONESTO	
70011	COMPANY SUPERVISION			0			J. HONESTO	
70011	COMPANY SUPERVISION			500			GALVAN	
70011	COMPANY SUPERVISION	17,000	2,000	500	2,500	14,500		
70017	CONTRACT LABOR			0			BADGETT CONST., L & L BACKHOE	
70017	CONTRACT LABOR			0			BADGETT CONST., L & L BACKHOE/GF	
70017	CONTRACT LABOR			0			BADGETT CONST., L & L BACKHOE	
70017	CONTRACT LABOR	65,000	4,575	0	4,575	60,425		
70019	CONTRACT DRILLING-DAY/TURNKEY			0			CAPSTAR 119 / HRLY RATE	
70019	CONTRACT DRILLING-DAY/TURNKEY			0			GWS	
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	60,400	0	60,400	67,600		
70021	CONTRACT SUPERVISION		8,500	0	8,500		JAMES W GARDNER	
70025	DRILLING FLUIDS		8,770	0	8,770		DAILY MUD USAGE	
70031	EQUIPMENT RENTAL	130,000	950	0	950	129,050	CAGLE BOP	
70034	FORMATION STIMULATION	1,500,000	0	0	0	1,500,000		
70037	FUEL AND POWER		7,121	0	7,121		RIG FUEL	
70049	LOGGING AND WIRELINE	65,000	3,405	0	3,405	61,595	RGWLS	
70069	SNUBBING/COIL TUBING UNIT	150,000	25,000	42,631	67,631	82,369	BWWC	
70074	TRUCKING AND HAULING			0			TRIPLE S SERV./ BG TKG / FRKLT	
70074	TRUCKING AND HAULING			0			TRIPLE S SERV.	
70074	TRUCKING AND HAULING			0			APA, BASIC	
70074	TRUCKING AND HAULING			0			TRIPLE S SERV./ BG TKG / FRKLT	
70074	TRUCKING AND HAULING			3,300			APA, BASIC, JST TRKG	
70074	TRUCKING AND HAULING	90,000	4,340	3,300	7,640	82,360		
70076	TUBULAR INSPECTION/TESTING	3,500	1,834	0	1,834	1,666	BHA INSPECTION	
70077	WATER		1,785	0	1,785		2% KCL	
Total Intangible Cost		2,248,500	163,346	46,431	209,777	2,038,723		
71001	ARTIFICIAL LIFT	150,000	0	0	0	150,000		
71012	FLOWLINES TO BATTERY	25,000	0	0	0	25,000		
71032	OTHER SUBSURFACE EQUIPMENT	300,000	335,635	0	335,635	-35,635	PACKER PLUS PACKER ASSY	
71033	OTHER SURFACE EQUIPMENT	30,000	0	0	0	30,000		
71036	PIPE, VALVES, FITTINGS	100,000	300	0	300	99,700	WILSON SUPPLY	
71040	PRODUCTION CASING	135,000	115,514	0	115,514	19,486	169 JTS: 5.5" LT&C, 17#, L80 CASING	
71053	TUBING	24,000	0	0	0	24,000		
71056	WELLHEAD ASSEMBLY	5,000	5,169	0	5,169	-169	TBG HEAD ASSY	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 04-16-2012	
Operator APACHE CORPORATION		API 4210335938	GL 2,536.00	TMD 7,663.00	TVD	RKB/RT 2,547.00	Working Int % 100.00	Report No 10
Region PERMIAN		District NOTREES - TX CZ		License		Well Supervisor DANNY GALVAN / HARRISON HARVEY		Engineer / Geologist PATRICK ROARK
Field DUNE		State TEXAS		County CRANE		Event Code LCM		Event Type LAND-ORIG COMP
Objective								
Total Tangible Cost		769,000		456,618		0		456,618
Total:		3,017,500		619,964		46,431		666,395
312,382		2,351,105						





## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 05-01-2012	
Operator APACHE CORPORATION		API 4210335938	GL 2,536.00	TMD 7,663.00	TVD	RKB/RT 2,547.00	Working Int % 100.00	Report No 13
Region PERMIAN		District NOTREES - TX CZ	License	Well Supervisor DANNY GALVAN / HARRISON HARVEY		Engineer / Geologist PATRICK ROARK		
Field DUNE	State TEXAS	County CRANE	Event Code LCM	Event Type LAND-ORIG COMP		Objective		
RIG Name CAPSTAR / 119			RIG PHONE NO		RIG Fax No		Tool Pusher	
AFE #: PA-11-0516-C      AFE Description:								
AFE Costs 3,017,500		Previous Day Cum 649,699		Daily Costs 48,766	Cumulative Cost 698,465	AFE Remaining 2,319,035	AFE % 23.15	
Comment Summary		ACIDIZE 1&2, FRAC#3&#4 @ 4 PPG TRTD 26 BPM-2818# @ 6 PPG APPEAR TO SCREEN OUT MP 8241# BL DN INSTANTLY TO 1800# PM 50 BBLS BL OUT @ SURF SD SPLIT IN 8 5/8" CSG RDFC. RUSU RIH TAG @ 2773' C/O 2880' (BRIDGE) CIRC CLN. POH PU RBP RIH SET 2794' STOP FL, SDFN.						
24 HR Forecast		RIH PKR ISOLATE CSG LK.						
Directional Information								
Initial Deviation 1,797		Max Dev 92.2deg at 5,804		Max Dogleg 12.8 deg at 3,075				
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
CONDUCTOR	20.00	94	H-40	51.00			-2,496.00	
SURFACE	13.38	48	H-40	1,012.99			-1,534.12	
INTERMEDIATE 1	8.63	32, 0	J-55	2,999.99	850		374.10	
PACKER ASSEMBLY 1	5.50	17, 0	L80, N80 Sub, L80 EXR, L80 / 13%Cr	7,634.00			444.08	
Safety Drills								
Rams		Annulars	Casing	Last BOP Test		Next BOP Test		
BULKS								
Product				QTY				
DIESEL, RIG FUEL				0.0				
				2,618.0				



## 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
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000	
70004	CASING CREW	15,000	31,082	0	31,082	-16,082	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,584	0	3,584	16,416	
70011	COMPANY SUPERVISION	17,000	2,500	500	3,000	14,000	GALVAN
70017	CONTRACT LABOR	65,000	7,150	2,420	9,570	55,430	GRACO,BAKER
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	60,400	3,360	63,760	64,240	APSI
70021	CONTRACT SUPERVISION		8,500	0	8,500		
70025	DRILLING FLUIDS		8,770	0	8,770		
70031	EQUIPMENT RENTAL	130,000	1,550	3,150	4,700	125,300	WS,BOP,RBP,PR
70034	FORMATION STIMULATION	1,500,000	3,850	20,036	23,886	1,476,114	QC,PRO,RWLS,PKR+
70037	FUEL AND POWER		7,121	0	7,121		
70049	LOGGING AND WIRELINE	65,000	3,405	0	3,405	61,595	
70069	SNUBBING/COIL TUBING UNIT	150,000	43,500	18,500	62,000	88,000	WARRIOR
70074	TRUCKING AND HAULING	90,000	8,050	800	8,850	81,150	ONYX
70076	TUBULAR INSPECTION/TESTING	3,500	1,834	0	1,834	1,666	
70077	WATER		1,785	0	1,785		
Total Intangible Cost		2,248,500	193,081	48,766	241,847	2,006,653	
71001	ARTIFICIAL LIFT	150,000	0	0	0	150,000	
71012	FLOWLINES TO BATTERY	25,000	0	0	0	25,000	
71032	OTHER SUBSURFACE EQUIPMENT	300,000	335,635	0	335,635	-35,635	
71033	OTHER SURFACE EQUIPMENT	30,000	0	0	0	30,000	
71036	PIPE, VALVES, FITTINGS	100,000	300	0	300	99,700	
71040	PRODUCTION CASING	135,000	115,514	0	115,514	19,486	
71053	TUBING	24,000	0	0	0	24,000	
71056	WELLHEAD ASSEMBLY	5,000	5,169	0	5,169	-169	
Total Tangible Cost		769,000	456,618		456,618	312,382	
Total:		3,017,500	649,699	48,766	698,465	2,319,035	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 05-02-2012	
Operator APACHE CORPORATION		API 4210335938	GL 2,536.00	TMD 7,663.00	TVD	RKB/RT 2,547.00	Working Int % 100.00	Report No 15
Region PERMIAN		District NOTREES - TX CZ	License	Well Supervisor DANNY GALVAN / HARRISON HARVEY		Engineer / Geologist PATRICK ROARK		
Field DUNE	State TEXAS	County CRANE	Event Code LCM	Event Type LAND-ORIG COMP		Objective		
RIG Name CAPSTAR / 119			RIG PHONE NO	RIG Fax No		Tool Pusher		
AFE #: PA-11-0516-C      AFE Description:								
AFE Costs 3,017,500		Previous Day Cum 698,465	Daily Costs 10,700	Cumulative Cost 709,165	AFE Remaining 2,308,335	AFE % 23.50		
Comment Summary 24 HR Forecast		ISOLATE CSG LK 2790-2813' ATTEMPT TO ISOLATE @ MINIMAL & INCR TESTING PRESS						
Directional Information								
Initial Deviation 1,797	Max Dev 92.2deg at    5,804		Max Dogleg 12.8 deg at    3,075					
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
CONDUCTOR	20.00	94	H-40	51.00			-2,496.00	
SURFACE	13.38	48	H-40	1,012.99			-1,534.12	
INTERMEDIATE 1	8.63	32, 0	J-55	2,999.99	850		374.10	
PACKER ASSEMBLY 1	5.50	17, 0	L80, N80 Sub, L80 EXR, L80 / 13%Cr	7,634.00			444.08	
Safety Drills								
Rams	Annulars	Casing	Last BOP Test	Next BOP Test				
BULKS								
Product			QTY					
DIESEL, RIG FUEL			0.0 2,618.0					



## 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
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000	
70004	CASING CREW	15,000	31,082	0	31,082	-16,082	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,584	0	3,584	16,416	
70011	COMPANY SUPERVISION	17,000	3,000	500	3,500	13,500	GALVAN
70017	CONTRACT LABOR	65,000	9,570	3,500	13,070	51,930	GRACO,MULATO
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	63,760	3,700	67,460	60,540	APSI
70021	CONTRACT SUPERVISION		8,500	0	8,500		
70025	DRILLING FLUIDS		8,770	0	8,770		
70031	EQUIPMENT RENTAL	130,000	4,700	1,800	6,500	123,500	WS, PKR
70034	FORMATION STIMULATION	1,500,000	23,886	0	23,886	1,476,114	
70037	FUEL AND POWER		7,121	0	7,121		
70049	LOGGING AND WIRELINE	65,000	3,405	0	3,405	61,595	
70069	SNUBBING/COIL TUBING UNIT	150,000	62,000	0	62,000	88,000	
70074	TRUCKING AND HAULING	90,000	8,850	1,200	10,050	79,950	BASIC
70076	TUBULAR INSPECTION/TESTING	3,500	1,834	0	1,834	1,666	
70077	WATER		1,785	0	1,785		
Total Intangible Cost		2,248,500	241,847	10,700	252,547	1,995,953	
71001	ARTIFICIAL LIFT	150,000	0	0	0	150,000	
71012	FLOWLINES TO BATTERY	25,000	0	0	0	25,000	
71032	OTHER SUBSURFACE EQUIPMENT	300,000	335,635	0	335,635	-35,635	
71033	OTHER SURFACE EQUIPMENT	30,000	0	0	0	30,000	
71036	PIPE, VALVES, FITTINGS	100,000	300	0	300	99,700	
71040	PRODUCTION CASING	135,000	115,514	0	115,514	19,486	
71053	TUBING	24,000	0	0	0	24,000	
71056	WELLHEAD ASSEMBLY	5,000	5,169	0	5,169	-169	
Total Tangible Cost		769,000	456,618		456,618	312,382	
Total:		3,017,500	698,465	10,700	709,165	2,308,335	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 05-03-2012		
Operator APACHE CORPORATION		API 4210335938	GL 2,536.00	TMD 7,663.00	TVD	RKB/RT 2,547.00	Working Int % 100.00	Report No 16	
Region PERMIAN		District NOTREES - TX CZ		License		Well Supervisor DANNY GALVAN / HARRISON HARVEY		Engineer / Geologist PATRICK ROARK	
Field DUNE		State TEXAS		County CRANE		Event Code LCM		Event Type LAND-ORIG COMP	Objective
RIG Name CAPSTAR / 119				RIG PHONE NO		RIG Fax No		Tool Pusher	

AFE #:	PA-11-0516-C	AFE Description:				
AFE Costs 3,017,500	Previous Day Cum 709,165	Daily Costs 11,900	Cumulative Cost 721,065	AFE Remaining 2,296,435	AFE % 23.90	
Comment Summary		INCR TEST PRESS TO 4000# W/ TBG TESTER TEST 2787-2822' HELD FOR 30 MIN, ATTEMPT TO GO THRU OH PKR W/ RBP NOT ABLE RESET RBP, WRITE HOT WORK PERMIT REP 8 5/8" CSG, TEST 2189-2822' TO 4000# HELD 15 MINS POH TBG, SDFN.				
24 HR Forecast		RU W/L RUN GAMMA RAY TO 2822' VERIFY SAND BEHIND PIPE.				

Remarks	
INCR TEST PRESS TO 4000# W/ TBG TESTER TEST 2787-2822' HELD FOR 30 MIN, ATTEMPT TO GO THRU OH PKR W/ RBP NOT ABLE RESET RBP, WRITE HOT WORK PERMIT REP 8 5/8" CSG, TEST 2189-2822' TO 4000# HELD 15 MINS POH TBG, SDFN.	

Directional Information		
Initial Deviation 1,797	Max Dev 92.2deg at 5,804	Max Dogleg 12.8 deg at 3,075

Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
CONDUCTOR	20.00	94	H-40	51.00			-2,496.00	
SURFACE	13.38	48	H-40	1,012.99			-1,534.12	
INTERMEDIATE 1	8.63	32, 0	J-55	2,999.99	850		374.10	
PACKER ASSEMBLY 1	5.50	17, 0	L80, N80 Sub, L80 EXR, L80 / 13%Cr	7,634.00			444.08	

Safety Drills				
Rams	Annulars	Casing	Last BOP Test	Next BOP Test

BULKS	
Product	QTY
DIESEL, RIG FUEL	0.0
	2,618.0



APACHE CORPORATION

Daily Land - Orig Comp Report

Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000	
70004	CASING CREW	15,000	31,082	0	31,082	-16,082	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,584	0	3,584	16,416	
70011	COMPANY SUPERVISION	17,000	3,500	500	4,000	13,000	GALVAN
70017	CONTRACT LABOR	65,000	13,070	3,900	16,970	48,030	GRACO,MULATO,WELDER
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	67,460	4,700	72,160	55,840	APSI
70021	CONTRACT SUPERVISION		8,500	0	8,500		
70025	DRILLING FLUIDS		8,770	0	8,770		
70031	EQUIPMENT RENTAL	130,000	6,500	250	6,750	123,250	WS
70034	FORMATION STIMULATION	1,500,000	23,886	0	23,886	1,476,114	
70037	FUEL AND POWER		7,121	0	7,121		
70049	LOGGING AND WIRELINE	65,000	3,405	0	3,405	61,595	
70069	SNUBBING/COIL TUBING UNIT	150,000	62,000	0	62,000	88,000	
70074	TRUCKING AND HAULING	90,000	10,050	1,350	11,400	78,600	BASIC
70076	TUBULAR INSPECTION/TESTING	3,500	1,834	1,200	3,034	466	TBG TESTER
70077	WATER		1,785	0	1,785		
Total Intangible Cost		2,248,500	252,547	11,900	264,447	1,984,053	
71001	ARTIFICIAL LIFT	150,000	0	0	0	150,000	
71012	FLOWLINES TO BATTERY	25,000	0	0	0	25,000	
71032	OTHER SUBSURFACE EQUIPMENT	300,000	335,635	0	335,635	-35,635	
71033	OTHER SURFACE EQUIPMENT	30,000	0	0	0	30,000	
71036	PIPE, VALVES, FITTINGS	100,000	300	0	300	99,700	
71040	PRODUCTION CASING	135,000	115,514	0	115,514	19,486	
71053	TUBING	24,000	0	0	0	24,000	
71056	WELLHEAD ASSEMBLY	5,000	5,169	0	5,169	-169	
Total Tangible Cost		769,000	456,618		456,618	312,382	
Total:		3,017,500	709,165	11,900	721,065	2,296,435	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 05-04-2012			
Operator APACHE CORPORATION		API 4210335938	GL 2,536.00	TMD 7,663.00	TVD	RKB/RT 2,547.00	Working Int % 100.00	Report No 17		
Region PERMIAN		District NOTREES - TX CZ		License		Well Supervisor DANNY GALVAN / HARRISON HARVEY		Engineer / Geologist PATRICK ROARK		
Field DUNE		State TEXAS		County CRANE		Event Code LCM		Event Type LAND-ORIG COMP	Objective	
RIG Name CAPSTAR / 119				RIG PHONE NO		RIG Fax No		Tool Pusher		
AFE #: PA-11-0516-C      AFE Description:										
AFE Costs 3,017,500		Previous Day Cum 721,065		Daily Costs 19,860		Cumulative Cost 740,925		AFE Remaining 2,276,575		AFE % 24.55
Comment Summary 24 HR Forecast		RU W/L RUN GAMMA RAY FROM 2822-SURF, POH W/L RIH RETRIEVE RBP POH, BRK CIRC PM RATE 2.5 BPM @ 300#, RIH CAMERA FOUND PARTED CSG @ 2929' ON END OF COLLAR, TOF 2930' APPEARS CSG PARTED @ BOTTOM THREAD (NO THREADS APPARARENT IN COLLAR). EVALUATE OPTIONS.								
Directional Information										
Initial Deviation 1,797		Max Dev 92.2deg at 5,804			Max Dogleg 12.8 deg at 3,075					
Casing / Tubing Information										
Description	Size	Weight	Grade		Depth	Sacks	CMT Top	Packer / SN	TOC Method	
CONDUCTOR	20.00	94	H-40		51.00			-2,496.00		
SURFACE	13.38	48	H-40		1,012.99			-1,534.12		
INTERMEDIATE 1	8.63	32, 0	J-55		2,999.99	850		374.10		
PACKER ASSEMBLY 1	5.50	17, 0	L80, N80 Sub, L80 EXR, L80 / 13%Cr		7,634.00			444.08		
Safety Drills										
Rams		Annulars		Casing		Last BOP Test		Next BOP Test		
BULKS										
Product				QTY						
DIESEL, RIG FUEL				0.0						
				2,618.0						



# APACHE CORPORATION

## Daily Land - Orig Comp Report

### Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000	
70004	CASING CREW	15,000	31,082	0	31,082	-16,082	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,584	0	3,584	16,416	
70011	COMPANY SUPERVISION	17,000	4,000	500	4,500	12,500	GALVAN
70017	CONTRACT LABOR	65,000	16,970	9,600	26,570	38,430	GRACO,MULATO,DHV
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	72,160	3,950	76,110	51,890	APSI
70021	CONTRACT SUPERVISION		8,500	0	8,500		
70025	DRILLING FLUIDS		8,770	0	8,770		
70031	EQUIPMENT RENTAL	130,000	6,750	250	7,000	123,000	WS
70034	FORMATION STIMULATION	1,500,000	23,886	0	23,886	1,476,114	
70037	FUEL AND POWER		7,121	0	7,121		
70049	LOGGING AND WIRELINE	65,000	3,405	4,200	7,605	57,395	RWLS
70069	SNUBBING/COIL TUBING UNIT	150,000	62,000	0	62,000	88,000	
70074	TRUCKING AND HAULING	90,000	11,400	1,360	12,760	77,240	BASIC
70076	TUBULAR INSPECTION/TESTING	3,500	3,034	0	3,034	466	
70077	WATER		1,785	0	1,785		
Total Intangible Cost		2,248,500	264,447	19,860	284,307	1,964,193	
71001	ARTIFICIAL LIFT	150,000	0	0	0	150,000	
71012	FLOWLINES TO BATTERY	25,000	0	0	0	25,000	
71032	OTHER SUBSURFACE EQUIPMENT	300,000	335,635	0	335,635	-35,635	
71033	OTHER SURFACE EQUIPMENT	30,000	0	0	0	30,000	
71036	PIPE, VALVES, FITTINGS	100,000	300	0	300	99,700	
71040	PRODUCTION CASING	135,000	115,514	0	115,514	19,486	
71053	TUBING	24,000	0	0	0	24,000	
71056	WELLHEAD ASSEMBLY	5,000	5,169	0	5,169	-169	
Total Tangible Cost		769,000	456,618		456,618	312,382	
Total:		3,017,500	721,065	19,860	740,925	2,276,575	





## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 05-07-2012		
Operator APACHE CORPORATION		API 4210335938	GL 2,536.00	TMD 7,663.00	TVD	RKB/RT 2,547.00	Working Int % 100.00	Report No 18	
Region PERMIAN		District NOTREES - TX CZ		License		Well Supervisor DANNY GALVAN / HARRISON HARVEY		Engineer / Geologist PATRICK ROARK	
Field DUNE		State TEXAS		County CRANE		Event Code LCM		Event Type LAND-ORIG COMP	Objective
RIG Name CAPSTAR / 119				RIG PHONE NO		RIG Fax No		Tool Pusher	

AFE #:	PA-11-0516-C	AFE Description:				
	AFE Costs	Previous Day Cum	Daily Costs	Cumulative Cost	AFE Remaining	AFE %
	3,017,500	740,934	9,245	750,179	2,267,321	24.86

Comment Summary	RIH OPEN ENDED 2 3/8" PH6 DN TO 3090' NO TAG, POH PU 5 1/2" RBP, WS RIH TAG @ 3031' SET PLUG SPOT 2 SX SAND TEST TO 300# OK
24 HR Forecast	POH L/D 33 JTS, SDFN. POH L/D WS, RDMO.

Remarks
RIH OPEN ENDED 2 3/8" OPEN ENDED DID NOT TAG ANYTHING POH PU 5 1/2" RBP, WS RIH TAG @ 3031' ATTEMPT LIGHTLY TO GO THRU NOT ABLE SET PLUG SPOT 2 SX SAND TEST RBP TO 300# OK. POH L/D 33 JTS, SDFN.

Directional Information		
Initial Deviation	Max Dev	Max Dogleg
1,797	92.2deg at 5,804	12.8 deg at 3,075

Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
CONDUCTOR	20.00	94	H-40	51.00			-2,496.00	
SURFACE	13.38	48	H-40	1,012.99			-1,534.12	
INTERMEDIATE 1	8.63	32, 0	J-55	2,999.99	850		374.10	
PACKER ASSEMBLY 1	5.50	17, 0	L80, N80 Sub, L80 EXR, L80 / 13%Cr	7,634.00			444.08	

Safety Drills				
Rams	Annulars	Casing	Last BOP Test	Next BOP Test

BULKS	
Product	QTY
DIESEL, RIG FUEL	0.0 2,618.0



## 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
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000	
70004	CASING CREW	15,000	31,082	0	31,082	-16,082	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,584	0	3,584	16,416	
70011	COMPANY SUPERVISION	17,000	4,500	500	5,000	12,000	GALVAN
70017	CONTRACT LABOR	65,000	19,070	1,000	20,070	44,930	GRACO
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	76,110	2,960	79,070	48,930	APSI
70021	CONTRACT SUPERVISION		8,500	0	8,500		
70025	DRILLING FLUIDS		8,770	0	8,770		
70031	EQUIPMENT RENTAL	130,000	14,509	3,000	17,509	112,491	WS,MULATO
70034	FORMATION STIMULATION	1,500,000	23,886	0	23,886	1,476,114	
70037	FUEL AND POWER		7,121	0	7,121		
70049	LOGGING AND WIRELINE	65,000	7,605	0	7,605	57,395	
70069	SNUBBING/COIL TUBING UNIT	150,000	62,000	0	62,000	88,000	
70074	TRUCKING AND HAULING	90,000	12,760	1,785	14,545	75,455	BASIC,onyx
70076	TUBULAR INSPECTION/TESTING	3,500	3,034	0	3,034	466	
70077	WATER		1,785	0	1,785		
Total Intangible Cost		2,248,500	284,316	9,245	293,561	1,954,939	
71001	ARTIFICIAL LIFT	150,000	0	0	0	150,000	
71012	FLOWLINES TO BATTERY	25,000	0	0	0	25,000	
71032	OTHER SUBSURFACE EQUIPMENT	300,000	335,635	0	335,635	-35,635	
71033	OTHER SURFACE EQUIPMENT	30,000	0	0	0	30,000	
71036	PIPE, VALVES, FITTINGS	100,000	300	0	300	99,700	
71040	PRODUCTION CASING	135,000	115,514	0	115,514	19,486	
71053	TUBING	24,000	0	0	0	24,000	
71056	WELLHEAD ASSEMBLY	5,000	5,169	0	5,169	-169	
Total Tangible Cost		769,000	456,618		456,618	312,382	
Total:		3,017,500	740,934	9,245	750,179	2,267,321	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 05-08-2012	
Operator APACHE CORPORATION		API 4210335938	GL 2,536.00	TMD 7,663.00	TVD	RKB/RT 2,547.00	Working Int % 100.00	Report No 19
Region PERMIAN		District NOTREES - TX CZ	License	Well Supervisor DANNY GALVAN / HARRISON HARVEY		Engineer / Geologist PATRICK ROARK		
Field DUNE	State TEXAS	County CRANE	Event Code LCM	Event Type LAND-ORIG COMP		Objective		
RIG Name CAPSTAR / 119			RIG PHONE NO		RIG Fax No		Tool Pusher	
AFE #: PA-11-0516-C AFE Description:								
AFE Costs 3,017,500		Previous Day Cum 752,287		Daily Costs 3,500	Cumulative Cost 755,787	AFE Remaining 2,261,713	AFE % 25.05	
Comment Summary 24 HR Forecast		POH / LD 66 JTS W/S ND BOP NU WH FLANGE RDMO WAIT ON CSG REPAIR						
Remarks								
OPEN WELL 0 PSI POH & LD 56 2-7/8" W/S & 10 2-3/8" PH-6 W/S W/ SET TOOL. ND BOP NU WH FLANGE RDMO.								
Directional Information								
Initial Deviation 1,797	Max Dev 92.2deg at 5,804		Max Dogleg 12.8 deg at 3,075					
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
CONDUCTOR	20.00	94	H-40	51.00			-2,496.00	
SURFACE	13.38	48	H-40	1,012.99			-1,534.12	
INTERMEDIATE 1	8.63	32, 0	J-55	2,999.99	850		374.10	
PACKER ASSEMBLY 1	5.50	17, 0	L80, N80 Sub, L80 EXR, L80 / 13%Cr	7,634.00			444.08	
Safety Drills								
Rams	Annulars	Casing	Last BOP Test		Next BOP Test			
BULKS								
Product			QTY					
DIESEL, RIG FUEL			0.0					
			2,618.0					



## 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
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000	
70004	CASING CREW	15,000	31,082	0	31,082	-16,082	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,584	0	3,584	16,416	
70011	COMPANY SUPERVISION	17,000	5,000	500	5,500	11,500	GALVAN
70017	CONTRACT LABOR	65,000	20,070	0	20,070	44,930	
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	79,978	1,800	81,778	46,222	APSI WS
70021	CONTRACT SUPERVISION		8,500	0	8,500		
70025	DRILLING FLUIDS		8,770	0	8,770		
70031	EQUIPMENT RENTAL	130,000	18,709	1,200	19,909	110,091	CAGLE BOP,W/S
70034	FORMATION STIMULATION	1,500,000	23,886	0	23,886	1,476,114	
70037	FUEL AND POWER		7,121	0	7,121		
70049	LOGGING AND WIRELINE	65,000	7,605	0	7,605	57,395	
70069	SNUBBING/COIL TUBING UNIT	150,000	62,000	0	62,000	88,000	
70074	TRUCKING AND HAULING	90,000	14,545	0	14,545	75,455	
70076	TUBULAR INSPECTION/TESTING	3,500	3,034	0	3,034	466	
70077	WATER		1,785	0	1,785		
Total Intangible Cost		2,248,500	295,669	3,500	299,169	1,949,331	
71001	ARTIFICIAL LIFT	150,000	0	0	0	150,000	
71012	FLOWLINES TO BATTERY	25,000	0	0	0	25,000	
71032	OTHER SUBSURFACE EQUIPMENT	300,000	335,635	0	335,635	-35,635	
71033	OTHER SURFACE EQUIPMENT	30,000	0	0	0	30,000	
71036	PIPE, VALVES, FITTINGS	100,000	300	0	300	99,700	
71040	PRODUCTION CASING	135,000	115,514	0	115,514	19,486	
71053	TUBING	24,000	0	0	0	24,000	
71056	WELLHEAD ASSEMBLY	5,000	5,169	0	5,169	-169	
Total Tangible Cost		769,000	456,618		456,618	312,382	
Total:		3,017,500	752,287	3,500	755,787	2,261,713	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 05-18-2012			
Operator APACHE CORPORATION		API 4210335938	GL 2,536.00	TMD 7,663.00	TVD 2,990.77	RKB/RT 2,547.00	Working Int % 100.00	Report No 20		
Region PERMIAN		District NOTREES - TX CZ		License		Well Supervisor JAMES W. GARDNER (432)-254-6606 / ADAM GARZA		Engineer / Geologist PATRICK ROARK		
Field DUNE		State TEXAS		County CRANE		Event Code LCM		Event Type LAND-ORIG COMP	Objective	
RIG Name CAPSTAR / 119				RIG PHONE NO 281-532-5388		RIG Fax No		Tool Pusher LARRY VAN GILDER		
RIG Name CAPSTAR / 119				RIG PHONE NO		RIG Fax No		Tool Pusher		
AFE #: PA-11-0516-C AFE Description:										
AFE Costs 3,017,500		Previous Day Cum 756,187		Daily Costs 35,112		Cumulative Cost 791,299		AFE Remaining 2,226,201		AFE % 26.22
Comment Summary		MIRU CAPSTAR 119: ND TBG HEAD: PU SPEAR & PUP JTS: SPEAR INTO CSG WORK F/ 75K TO 200K NO MOVEMENT: LD SPEAR: RU DIALOG DROP 2 SKS SAND ON BRIDGE PLUG: RUN CHEMICAL CUTTER TO 2810': CUT CSG:RD WL: LD CSG:								
24 HR Forecast		TIH W/ JAR ASSY: LATCH ONTO FISH & JAR PACKER LOOS TOH & LD SAME								
24 HR Operational Comments										
From	To	Duration	Operation Description							
12:00AM	07:00AM	7.00	WAIT ON TRUCKS TO MOVE RIG							
07:00AM	03:00PM	8.00	MIRU CAPSTAR 119							
03:00PM	04:30PM	1.50	ND TBG HEAD: WELD SLIPS TO 5.5" CSG:							
04:30PM	06:30PM	2.00	PU SPEAR ASSY: SPEAR INTO 5.5" CSG: WORK F/ 75K TO 200K: NO MOVEMENT							
06:30PM	10:00PM	3.50	LD SPEAR ASSY: RU DIALOG DUMP 2 SKA SAND ON BRIDGE PLUG: RUN CHEMICAL CUTTER & CCL: CUT CSG @ 2810': (10' ABOVE THE 6' PUP JT ON ANCHOR PACKER) RD DIALOG:							
10:00PM	12:00AM	2.00	HSM & RU LEWIS CSG CREW: LD 5.5" CASING							
Remarks										
LD 2810' 5.5" CSG & SLM: NU BOP'S & TEST TO 500 PSI"										
Directional Information										
Initial Deviation 1,797		Max Dev 92.2deg at 5,804			Max Dogleg 12.8 deg at 3,075					
Casing / Tubing Information										
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method		
CONDUCTOR	20.00	94	H-40	51.00			-2,496.00			
SURFACE	13.38	48	H-40	1,012.99			-1,534.12			
INTERMEDIATE 1	8.63	32, 0	J-55	2,999.99	850		374.10			
PACKER ASSEMBLY 1	5.50	17, 0	L80, N80 Sub, L80 EXR, L80 / 13%Cr	7,634.00			444.08			
Personnel										
Company Name	No of People	Hours Today	Cum / Event							
CAPSTAR DRILLING Inc.	9	72.0	192.0							
TOTAL ENERGY SERVICES	1	24.0	144.0							
SMITH INTERNATIONAL	1	24.0	24.0							
CAPSTAR DRILLING Inc.	1	24.0	504.0							
LEWIS CASING CREWS	4	36.0	270.0							
JW MULLOYCONSULTING	1	24.0	24.0							
Total:	17	204.0	1,158.0							
Safety Drills										
Rams	Annulars	Casing	Last BOP Test		Next BOP Test					
BULKS										
Product			QTY							
			0.0							
DIESEL, RIG FUEL			4,952.0							



## 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
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000	
70004	CASING CREW	15,000	31,082	4,850	35,932	-20,932	LD CSG
70006	CEMENT AND CEMENTING SERVICES	20,000	3,584	0	3,584	16,416	
70011	COMPANY SUPERVISION	17,000	5,500	0	5,500	11,500	
70017	CONTRACT LABOR	65,000	20,070	18,560	38,630	26,370	FISHING SERVICES
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	81,778	5,400	87,178	40,822	CAPSTAR 119 / HRLY RATE
70021	CONTRACT SUPERVISION		8,500	1,700	10,200		JAMES W GARDNER
70025	DRILLING FLUIDS		8,770	0	8,770		DAILY MUD USAGE
70026			0	0	0		
70031	EQUIPMENT RENTAL	130,000	19,909	0	19,909	110,091	
70034	FORMATION STIMULATION	1,500,000	23,886	0	23,886	1,476,114	
70037	FUEL AND POWER		7,121	490	7,611		RIG FUEL
70049	LOGGING AND WIRELINE	65,000	7,605	0	7,605	57,395	
70069	SNUBBING/COIL TUBING UNIT	150,000	62,400	0	62,400	87,600	
70074	TRUCKING AND HAULING	90,000	14,545	0	14,545	75,455	
70076	TUBULAR INSPECTION/TESTING	3,500	3,034	0	3,034	466	
70077	WATER			2,720			BRINE TO PITS
70077	WATER			1,392			F/W TO RIG TANK
70077	WATER		1,785	4,112	5,897		
Total Intangible Cost		2,248,500	299,569	35,112	334,681	1,913,819	
71001	ARTIFICIAL LIFT	150,000	0	0	0	150,000	
71012	FLOWLINES TO BATTERY	25,000	0	0	0	25,000	
71032	OTHER SUBSURFACE EQUIPMENT	300,000	335,635	0	335,635	-35,635	
71033	OTHER SURFACE EQUIPMENT	30,000	0	0	0	30,000	
71036	PIPE, VALVES, FITTINGS	100,000	300	0	300	99,700	
71040	PRODUCTION CASING	135,000	115,514	0	115,514	19,486	
71053	TUBING	24,000	0	0	0	24,000	
71056	WELLHEAD ASSEMBLY	5,000	5,169	0	5,169	-169	
Total Tangible Cost		769,000	456,618		456,618	312,382	
Total:		3,017,500	756,187	35,112	791,299	2,226,201	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 05-19-2012	
Operator APACHE CORPORATION		API 4210335938	GL 2,536.00	TMD 2,808.00	TVD 2,779.98	RKB/RT 2,547.00	Working Int % 100.00	Report No 21
Region PERMIAN		District NOTREES - TX CZ	License		Well Supervisor JAMES W. GARDNER (432)-254-6606 / ADAM GARZA		Engineer / Geologist PATRICK ROARK	
Field DUNE		State TEXAS		County CRANE		Event Code LCM		Event Type LAND-ORIG COMP
RIG Name CAPSTAR / 119		RIG PHONE NO 281-532-5388		RIG Fax No		Tool Pusher LARRY VAN GILDER		
RIG Name CAPSTAR / 119		RIG PHONE NO		RIG Fax No		Tool Pusher		
AFE #: PA-11-0516-C AFE Description:								
AFE Costs 3,017,500		Previous Day Cum 791,299		Daily Costs 36,832		Cumulative Cost 828,131		AFE Remaining 2,189,369
AFE % 27.44								
Comment Summary		LD 67 JTS 5.5": NU BOP EQUIP: & TEST: RU FLOOR: SLM JAR ASSY: TIH: LATCH ONTO FISH @ 2830' (HIT JARS 5 TIMES) CAME FREE: TOH: LD 10' CUT OFF JT: SLM & PU WASH PIPE: TIH TO 300'						
24 HR Forecast		MILL OVER PACKER: POSSIBLE TRIP FOR MILL SHOE:						
24 HR Operational Comments								
From	To	Duration	Operation Description					
12:00AM	02:00AM	2.00	LD 67 JTS 5.5" (2808')					
02:00AM	05:00AM	3.00	NU BOP & CHOKE MANIFOLD:					
05:00AM	05:30AM	0.50	STRAP CSG					
05:30AM	07:00AM	1.50	TEST BOP & CHOKE TO 500 PSI:					
07:00AM	07:30AM	0.50	RIG SERVICE					
07:30AM	01:00PM	5.50	RU FLOOR: MOVE CSG F/ RACK & MOVE BHA & DP TO RACK (SLM):					
01:00PM	05:30PM	4.50	MU FISHING BHA: OVER-SHOT, BUMPER SUB, JAR, X-OVER, (9) 6.25" DC'S, X-OVER, ACCELERATOR, X-OVER: TIH TO 2682':					
			BREAK OUT & LD CUSHION SUB F/ TOP DRIVE PRIOR TO JARRING ON ANCHOR PACKER:					
05:30PM	06:00PM	0.50	LATCH ONTO FISH @ 2809': JAR ON FISH: (HIT 5 TIMES) JAR F/ 205K TO 230K: PULLED FREE:					
06:00PM	09:00PM	3.00	TOH W/ JAR ASSY: LD 10' CUT JT: (PULLED FROM COUPLING ON PUP JT ON TOP OF ANCHOR PACKER:					
09:00PM	12:00AM	3.00	SLM WASH PIPE & SHOE: PU BHA: SHOE, (1) JT WASH PIPE, X-OVER, JARS, X-OVER, (9) 6.25" DC'S & TIH: TO 300'					
Remarks								
TIH TO TOP OF FISH @ 2824.3': MILLING OVER ANCHOR PACKER TO 2826.3': 2' MILLED: 2.5K WT ON MILL: 69 RPM: 348 GPM W/ 550 PSI:								
Directional Information								
Initial Deviation 1,797	Max Dev 92.2deg at 5,804		Max Dogleg 12.8 deg at 3,075					
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
CONDUCTOR	20.00	94	H-40	51.00			-2,496.00	
SURFACE	13.38	48	H-40	1,012.99			-1,534.12	
INTERMEDIATE 1	8.63	32, 0	J-55	2,999.99	850		374.10	
PACKER ASSEMBLY 1	5.50	17, 0	L80, N80 Sub, L80 EXR, L80 / 13%Cr	7,634.00			444.08	
Fluids								
Type Water	Weight	% Solids	NTU	Company Name NEW				
Personnel								
Company Name	No of People	Hours Today	Cum / Event					
SMITH INTERNATIONAL	1	24.0	48.0					
LEWIS CASING CREWS	0	36.0	306.0					
TOTAL ENERGY SERVICES	1	24.0	168.0					
CAPSTAR DRILLING Inc.	1	24.0	528.0					
CAPSTAR DRILLING Inc.	9	72.0	264.0					
JW MULLOYCONSULTING	1	24.0	48.0					
Total:	13	204.0	1,362.0					
Safety Drills								
Rams	Annulars 750.00 (psi)	Casing 5/19/2012 / 1,000.00 (psi)	Last BOP Test 5/19/2012	Next BOP Test 6/2/2012				



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## BULKS

Product	QTY
DIESEL, RIG FUEL	0.0
	4,676.0

## Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000	
70004	CASING CREW	15,000	35,932	0	35,932	-20,932	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,584	0	3,584	16,416	
70011	COMPANY SUPERVISION	17,000	5,500	0	5,500	11,500	
70017	CONTRACT LABOR	65,000	38,630	18,500	57,130	7,870	FISHING SERVICES
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	87,178	14,400	101,578	26,422	CAPSTAR 119 / HRLY RATE
70021	CONTRACT SUPERVISION		10,200	1,700	11,900		JAMES W GARDNER
70025	DRILLING FLUIDS			0			DAILY MUD USAGE
70025	DRILLING FLUIDS			1,299			DAILY MUD USE
70025	DRILLING FLUIDS		8,770	1,299	10,069		
70026			0	0	0		
70031	EQUIPMENT RENTAL	130,000	19,909	0	19,909	110,091	
70034	FORMATION STIMULATION	1,500,000	23,886	0	23,886	1,476,114	
70037	FUEL AND POWER		7,611	933	8,544		RIG FUEL
70049	LOGGING AND WIRELINE	65,000	7,605	0	7,605	57,395	
70069	SNUBBING/COIL TUBING UNIT	150,000	62,400	0	62,400	87,600	
70074	TRUCKING AND HAULING	90,000	14,545	0	14,545	75,455	
70076	TUBULAR INSPECTION/TESTING	3,500	3,034	0	3,034	466	
70077	WATER		5,897	0	5,897		
Total Intangible Cost		2,248,500	334,681	36,832	371,513	1,876,987	
71001	ARTIFICIAL LIFT	150,000	0	0	0	150,000	
71012	FLOWLINES TO BATTERY	25,000	0	0	0	25,000	
71032	OTHER SUBSURFACE EQUIPMENT	300,000	335,635	0	335,635	-35,635	
71033	OTHER SURFACE EQUIPMENT	30,000	0	0	0	30,000	
71036	PIPE, VALVES, FITTINGS	100,000	300	0	300	99,700	
71040	PRODUCTION CASING	135,000	115,514	0	115,514	19,486	
71053	TUBING	24,000	0	0	0	24,000	
71056	WELLHEAD ASSEMBLY	5,000	5,169	0	5,169	-169	
Total Tangible Cost		769,000	456,618		456,618	312,382	
Total:		3,017,500	791,299	36,832	828,131	2,189,369	





## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 05-20-2012	
Operator APACHE CORPORATION		API 4210335938	GL 2,536.00	TMD 2,827.00	TVD 2,795.18	RKB/RT 2,547.00	Working Int % 100.00	Report No 22
Region PERMIAN		District NOTREES - TX CZ		License		Well Supervisor JAMES W. GARDNER (432)-254-6606 / ADAM GARZA		Engineer / Geologist PATRICK ROARK
Field DUNE		State TEXAS		County CRANE		Event Code LCM		Event Type LAND-ORIG COMP
RIG Name CAPSTAR / 119		RIG PHONE NO 281-532-5388		RIG Fax No		Tool Pusher LARRY VAN GILDER		
RIG Name CAPSTAR / 119		RIG PHONE NO		RIG Fax No		Tool Pusher		
AFE #: PA-11-0516-C AFE Description:								
AFE Costs 3,017,500		Previous Day Cum 828,131		Daily Costs 32,033		Cumulative Cost 860,164		AFE Remaining 2,157,336
AFE % 28.51								
Comment Summary		TIH W/ DP, TAG @2824, CIRCULATE HOLE WITH 85 SPM, 500 PSI, MILL FROM 2824.30 TO 2826, (1.70) TOH, (\$CARING DAMAGE TO OD OF JAR FROM 8 5/8 CASING), PU SHOE #2 (7 3/4 MESH OD - MESH ID ), TIH WITH SAME ASSY TO 2798, CIRC. MILL OVER PKR F/ 2826.0 TO 2826.50						
24 HR Forecast		CONTINUE MILLING AND ATTEMPT TO MILL OVER SLIPS, POSSIBLE TOH FOR MILL SHOE #3						
24 HR Operational Comments								
From	To	Duration	Operation Description					
12:00AM	02:00AM	2.00	TIH W/ WASH PIPE TO 2824':					
02:00AM	10:30AM	8.50	MILLING OVER ANCHOR PACKER F/ 2824.3' TO 2826.2': 2' MILLED: 2.5K WT ON MILL: 69 RPM: 1500-2500 TRQ: 348 GPM W/ 550 PSI:					
10:30AM	02:00PM	3.50	TOH F/ MILL @ 2826.2":					
02:00PM	03:00PM	1.00	CHANGE OUT MILL:					
03:00PM	05:30PM	2.50	TIH TO 2826.2'					
05:30PM	06:00PM	0.50	RIG SERVICE					
06:00PM	12:00AM	6.00	MILL ON ANCHOR PACKER F/ 2826.2" TO 2826.9', 1.5-3.5K WT ON MILL: 70RPM: 3-5K TRQ: 348 GPM @ 630 PSI:					
Remarks								
MILLING OVER ANCHOR PACKER F/ 2826.5' TO 2827.5: 1' MILLED: 1.5-3.5K WT ON MILL: 70RPM: 3-5K TRQ: 348 GPM @ 508 PSI:								
Directional Information								
Initial Deviation 1,797		Max Dev 92.2deg at 5,804		Max Dogleg 12.8 deg at 3,075				
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
CONDUCTOR	20.00	94	H-40	51.00			-2,496.00	
SURFACE	13.38	48	H-40	1,012.99			-1,534.12	
INTERMEDIATE 1	8.63	32, 0	J-55	2,999.99	850		374.10	
PACKER ASSEMBLY 1	5.50	17, 0	L80, N80 Sub, L80 EXR, L80 / 13%Cr	7,634.00			444.08	
Fluids								
Type Water	Weight 0.00	% Solids 0.00	NTU	Company Name NEW				
Personnel								
Company Name	No of People	Hours Today	Cum / Event					
CAPSTAR DRILLING Inc.	9	72.0	336.0					
LEWIS CASING CREWS	0	36.0	342.0					
JW MULLOYCONSULTING	1	24.0	72.0					
SMITH INTERNATIONAL	1	24.0	72.0					
CAPSTAR DRILLING Inc.	1	24.0	552.0					
TOTAL ENERGY SERVICES	1	24.0	192.0					
Total:	13	204.0	1,566.0					
Safety Drills								
Rams	Annulars 750.00 (psi)	Casing 5/19/2012 / 1,000.00 (psi)	Last BOP Test 5/19/2012	Next BOP Test 6/2/2012				



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## BULKS

Product		QTY					
		0.0					
DIESEL, RIG FUEL		4,052.0					
Daily Cost Detail							
Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000	
70004	CASING CREW	15,000	35,932	0	35,932	-20,932	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,584	0	3,584	16,416	
70011	COMPANY SUPERVISION	17,000	5,500	0	5,500	11,500	
70017	CONTRACT LABOR	65,000	57,130	15,000	72,130	-7,130	FISHING SERVICES
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	101,578	14,400	115,978	12,022	CAPSTAR 119 / HRLY RATE
70021	CONTRACT SUPERVISION		11,900	1,700	13,600		JAMES W GARDNER
70025	DRILLING FLUIDS			0			DAILY MUD USAGE
70025	DRILLING FLUIDS			0			DAILY MUD USE
70025	DRILLING FLUIDS		10,069	0	10,069		
70026			0	0	0		
70031	EQUIPMENT RENTAL	130,000	19,909	0	19,909	110,091	
70034	FORMATION STIMULATION	1,500,000	23,886	0	23,886	1,476,114	
70037	FUEL AND POWER		8,544	933	9,477		RIG FUEL
70049	LOGGING AND WIRELINE	65,000	7,605	0	7,605	57,395	
70069	SNUBBING/COIL TUBING UNIT	150,000	62,400	0	62,400	87,600	
70074	TRUCKING AND HAULING	90,000	14,545	0	14,545	75,455	
70076	TUBULAR INSPECTION/TESTING	3,500	3,034	0	3,034	466	
70077	WATER		5,897	0	5,897		
Total Intangible Cost		2,248,500	371,513	32,033	403,546	1,844,954	
71001	ARTIFICIAL LIFT	150,000	0	0	0	150,000	
71012	FLOWLINES TO BATTERY	25,000	0	0	0	25,000	
71032	OTHER SUBSURFACE EQUIPMENT	300,000	335,635	0	335,635	-35,635	
71033	OTHER SURFACE EQUIPMENT	30,000	0	0	0	30,000	
71036	PIPE, VALVES, FITTINGS	100,000	300	0	300	99,700	
71040	PRODUCTION CASING	135,000	115,514	0	115,514	19,486	
71053	TUBING	24,000	0	0	0	24,000	
71056	WELLHEAD ASSEMBLY	5,000	5,169	0	5,169	-169	
Total Tangible Cost		769,000	456,618		456,618	312,382	
Total:		3,017,500	828,131	32,033	860,164	2,157,336	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 05-21-2012	
Operator APACHE CORPORATION		API 4210335938	GL 2,536.00	TMD 2,827.00	TVD 2,795.18	RKB/RT 2,547.00	Working Int % 100.00	Report No 23
Region PERMIAN		District NOTREES - TX CZ		License		Well Supervisor JAMES W. GARDNER (432)-254-6606 / ADAM GARZA		Engineer / Geologist PATRICK ROARK
Field DUNE		State TEXAS		County CRANE		Event Code LCM		Event Type LAND-ORIG COMP
RIG Name CAPSTAR / 119		RIG PHONE NO 281-532-5388		RIG Fax No		Tool Pusher LARRY VAN GILDER		
RIG Name CAPSTAR / 119		RIG PHONE NO		RIG Fax No		Tool Pusher		
AFE #: PA-11-0516-C AFE Description:								
AFE Costs 3,017,500		Previous Day Cum 860,164		Daily Costs 27,529		Cumulative Cost 887,693		AFE Remaining 2,129,807
AFE % 29.42								
Comment Summary 24 HR Forecast		MILL PKR TO 2827.9: TOH: FISHING F/ TWISTED OFF WP: LD TWISTED OFF WP: PU MILL TIH MILL ANCKOR PKR SLIPS: TOH:						
24 HR Operational Comments								
From	To	Duration	Operation Description					
12:00AM	07:30AM	7.50	MILL ON ANCHOR OACKER F/2826.9 TO 2827.7: 1.5-3.5K WT ON MILL: 70RPM: 3-5K TRQ: 348 GPM @ 630 PSI:					
07:30AM	10:30AM	3.00	TOH: WASH PIPE TEISTED OFF:					
10:30AM	11:00AM	0.50	RIG SERVICE					
11:00AM	04:00PM	5.00	WAIT ON SPEAR F/ WASH PIPE:					
04:00PM	06:00PM	2.00	TIH W/ SPEAR: & SPEAR INTO FISH @ 2791':					
06:00PM	09:00PM	3.00	TOH W/ FISH: LOST FISH 8-10 JTS F/ SURF.					
09:00PM	12:00AM	3.00	TIH W/ SPEAR:					
Remarks								
TIH W/ SPEAR TO 2791': SPEAR INTO FISH: TOH W/ FISH:								
Directional Information								
Initial Deviation 1,797	Max Dev 92.2deg at 5,804		Max Dogleg 12.8 deg at 3,075					
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
CONDUCTOR	20.00	94	H-40	51.00			-2,496.00	
SURFACE	13.38	48	H-40	1,012.99			-1,534.12	
INTERMEDIATE 1	8.63	32, 0	J-55	2,999.99	850		374.10	
PACKER ASSEMBLY 1	5.50	17, 0	L80, N80 Sub, L80 EXR, L80 / 13%Cr	7,634.00			444.08	
Fluids								
Type Water	Weight 0.00	% Solids 0.00	NTU	Company Name NEW				
Personnel								
Company Name	No of People	Hours Today	Cum / Event					
JW MULLOYCONSULTING	1	24.0	96.0					
CAPSTAR DRILLING Inc.	1	24.0	576.0					
LEWIS CASING CREWS	0	36.0	378.0					
TOTAL ENERGY SERVICES	1	24.0	216.0					
CAPSTAR DRILLING Inc.	9	72.0	408.0					
SMITH INTERNATIONAL	1	24.0	96.0					
Total:	13	204.0	1,770.0					
Safety Drills								
Rams	Annulars 750.00 (psi)	Casing 5/19/2012 / 1,000.00 (psi)	Last BOP Test 5/19/2012	Next BOP Test 6/2/2012				



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## BULKS

Product		QTY					
		0.0					
DIESEL, RIG FUEL		4,925.0					
Daily Cost Detail							
Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000	
70004	CASING CREW	15,000	35,932	0	35,932	-20,932	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,584	0	3,584	16,416	
70011	COMPANY SUPERVISION	17,000	5,500	0	5,500	11,500	
70017	CONTRACT LABOR	65,000	72,130	11,000	83,130	-18,130	FISHING SERVICES
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	115,978	14,400	130,378	-2,378	CAPSTAR 119 / HRLY RATE
70021	CONTRACT SUPERVISION		13,600	1,700	15,300		JAMES W GARDNER
70025	DRILLING FLUIDS			0			DAILY MUD USAGE
70025	DRILLING FLUIDS			0			
70025	DRILLING FLUIDS			0			DAILY MUD USE
70025	DRILLING FLUIDS		10,069	0	10,069		
70026			0	0	0		
70031	EQUIPMENT RENTAL	130,000	19,909	0	19,909	110,091	
70034	FORMATION STIMULATION	1,500,000	23,886	0	23,886	1,476,114	
70037	FUEL AND POWER		9,477	429	9,906		RIG FUEL
70049	LOGGING AND WIRELINE	65,000	7,605	0	7,605	57,395	
70069	SNUBBING/COIL TUBING UNIT	150,000	62,400	0	62,400	87,600	
70074	TRUCKING AND HAULING	90,000	14,545	0	14,545	75,455	
70076	TUBULAR INSPECTION/TESTING	3,500	3,034	0	3,034	466	
70077	WATER		5,897	0	5,897		
Total Intangible Cost		2,248,500	403,546	27,529	431,075	1,817,425	
71001	ARTIFICIAL LIFT	150,000	0	0	0	150,000	
71012	FLOWLINES TO BATTERY	25,000	0	0	0	25,000	
71032	OTHER SUBSURFACE EQUIPMENT	300,000	335,635	0	335,635	-35,635	
71033	OTHER SURFACE EQUIPMENT	30,000	0	0	0	30,000	
71036	PIPE, VALVES, FITTINGS	100,000	300	0	300	99,700	
71040	PRODUCTION CASING	135,000	115,514	0	115,514	19,486	
71053	TUBING	24,000	0	0	0	24,000	
71056	WELLHEAD ASSEMBLY	5,000	5,169	0	5,169	-169	
Total Tangible Cost		769,000	456,618		456,618	312,382	
Total:		3,017,500	860,164	27,529	887,693	2,129,807	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 05-22-2012	
Operator APACHE CORPORATION		API 4210335938	GL 2,536.00	TMD 2,827.00	TVD 2,795.18	RKB/RT 2,547.00	Working Int % 100.00	Report No 24
Region PERMIAN		District NOTREES - TX CZ		License		Well Supervisor JAMES W. GARDNER (432)-254-6606 / ADAM GARZA		Engineer / Geologist PATRICK ROARK
Field DUNE		State TEXAS		County CRANE		Event Code LCM		Event Type LAND-ORIG COMP
RIG Name CAPSTAR / 119		RIG PHONE NO 281-532-5388		RIG Fax No		Tool Pusher LARRY VAN GILDER		
RIG Name CAPSTAR / 119		RIG PHONE NO		RIG Fax No		Tool Pusher		
AFE #: PA-11-0516-C AFE Description:								
AFE Costs 3,017,500		Previous Day Cum 887,693		Daily Costs 28,151		Cumulative Cost 915,844		AFE Remaining 2,101,656
AFE % 30.35								
Comment Summary 24 HR Forecast		TIH & SPEAR INTO WP: TOH: LD WP: TIH W/ MILL ON DP: MILL SLIPS ON ANCHOR PKR: TOH LD WP & MILL: MU OVERSHOT & JAR ASSY: TIH: LATCH ONTO FISH: (PARTED CSG MAKING UP) JARRING ON FISH W/ 80K OVERPULL (NO MOVEMENT) WAIT ON WIRELINE: RIH FREE POINT: POSSIBLE JAR FREE, POOH WITH 6' PUP, PACKER, 3' PUP:						
24 HR Operational Comments								
From	To	Duration	Operation Description					
12:00AM	12:30AM	0.50	TIH W/ SPEAR:					
12:30AM	01:00AM	0.50	PU 10 PUP JT AND SPEAR & SPEAR 29' INTO FISH @ 2971'					
01:00AM	05:00AM	4.00	TOH W/ FISH:					
05:00AM	07:00AM	2.00	LD 29' WASH PIPE & 3' MILLING SHOE: RELEASE & PULL SPEAR F/ FISH					
07:00AM	10:30AM	3.50	TIH W/ MILL & 15' JT WASH PIPE TO 2826.6' (TOP OF FISH)					
10:30AM	06:00PM	7.50	MILL SLIPS ON ANCHOR PACKER F/ 2826.6' TO 2828.8'					
06:00PM	09:00PM	3.00	TOH F/ OVER SHOT TO RETRIEVE ANCHOR PACKER & 5.5" CSG:					
09:00PM	12:00AM	3.00	MU FISHING BHA: OVER-SHOT, BUMPER SUB, JAR, X-OVER, (9) 6.25" DC'S, X-OVER, ACCELERATOR, X-OVER: TIH TO 2818' TOP OF FISH:					
Remarks								
LATCH ONTO FISH: JAR @ 80K OVER NO MOVEMENT:(POSSIBLY SCREWED BACK INTO PARTED CASING) WAIT ON WIRELINE TRUCK TO RUN FREEPOINT:: LATCHED ONTO FISH, DIALOG RUNNING FREE POINT								
Directional Information								
Initial Deviation 1,797	Max Dev 92.2deg at 5,804		Max Dogleg 12.8 deg at 3,075					
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
CONDUCTOR	20.00	94	H-40	51.00			-2,496.00	
SURFACE	13.38	48	H-40	1,012.99			-1,534.12	
INTERMEDIATE 1	8.63	32, 0	J-55	2,999.99	850		374.10	
PACKER ASSEMBLY 1	5.50	17, 0	L80, N80 Sub, L80 EXR, L80 / 13%Cr	7,634.00			444.08	
Fluids								
Type Water	Weight 0.00	% Solids 0.00	NTU	Company Name NEW				
Personnel								
Company Name	No of People	Hours Today	Cum / Event					
CAPSTAR DRILLING Inc.	1	24.0	600.0					
JW MULLOYCONSULTING	1	24.0	120.0					
CAPSTAR DRILLING Inc.	9	72.0	480.0					
TOTAL ENERGY SERVICES	1	24.0	240.0					
LEWIS CASING CREWS	0	36.0	414.0					
SMITH INTERNATIONAL	1	24.0	120.0					
Total:	13	204.0	1,974.0					
Safety Drills								
Rams	Annulars 750.00 (psi)	Casing 5/19/2012 / 1,000.00 (psi)	Last BOP Test 5/19/2012	Next BOP Test 6/2/2012				



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## BULKS

Product		QTY					
DIESEL, RIG FUEL		0.0					
		4,488.0					
Daily Cost Detail							
Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000	
70004	CASING CREW	15,000	35,932	0	35,932	-20,932	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,584	0	3,584	16,416	
70011	COMPANY SUPERVISION	17,000	5,500	0	5,500	11,500	
70017	CONTRACT LABOR			557			WELD SLIPS TO CSG
70017	CONTRACT LABOR			7,800			FISHING SERVICES
70017	CONTRACT LABOR	65,000	83,130	8,357	91,487	-26,487	
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	130,378	14,400	144,778	-16,778	CAPSTAR 119 / HRLY RATE
70021	CONTRACT SUPERVISION		15,300	1,700	17,000		JAMES W GARDNER
70025	DRILLING FLUIDS		10,069	0	10,069		DAILY MUD USAGE
70026			0	0	0		
70031	EQUIPMENT RENTAL			40			INTERCOM SYSTEM
70031	EQUIPMENT RENTAL			850			DITCHING
70031	EQUIPMENT RENTAL			350			R/U INTERCOMS
70031	EQUIPMENT RENTAL			175			WATER/SEPTIC/SATELITE F/ TRAILER
70031	EQUIPMENT RENTAL			1,850			DEMOB / MOB SEPTIC & WATER F/ TR
70031	EQUIPMENT RENTAL	130,000	19,909	3,265	23,174	106,826	
70034	FORMATION STIMULATION	1,500,000	23,886	0	23,886	1,476,114	
70037	FUEL AND POWER		9,906	429	10,335		RIG FUEL
70049	LOGGING AND WIRELINE	65,000	7,605	0	7,605	57,395	
70069	SNUBBING/COIL TUBING UNIT	150,000	62,400	0	62,400	87,600	
70074	TRUCKING AND HAULING	90,000	14,545	0	14,545	75,455	
70076	TUBULAR INSPECTION/TESTING	3,500	3,034	0	3,034	466	
70077	WATER		5,897	0	5,897		
Total Intangible Cost		2,248,500	431,075	28,151	459,226	1,789,274	
71001	ARTIFICIAL LIFT	150,000	0	0	0	150,000	
71012	FLOWLINES TO BATTERY	25,000	0	0	0	25,000	
71032	OTHER SUBSURFACE EQUIPMENT	300,000	335,635	0	335,635	-35,635	
71033	OTHER SURFACE EQUIPMENT	30,000	0	0	0	30,000	
71036	PIPE, VALVES, FITTINGS	100,000	300	0	300	99,700	
71040	PRODUCTION CASING	135,000	115,514	0	115,514	19,486	
71053	TUBING	24,000	0	0	0	24,000	
71056	WELLHEAD ASSEMBLY	5,000	5,169	0	5,169	-169	
Total Tangible Cost		769,000	456,618		456,618	312,382	
Total:		3,017,500	887,693	28,151	915,844	2,101,656	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 05-23-2012		
Operator APACHE CORPORATION		API 4210335938	GL 2,536.00	TMD 2,827.00	TVD 2,795.18	RKB/RT 2,547.00	Working Int % 100.00	Report No 25	
Region PERMIAN		District NOTREES - TX CZ	License		Well Supervisor JOE BARRERA 806-781-4306 / ADAM GARZA (806) 781-4306		Engineer / Geologist PATRICK ROARK		
Field DUNE		State TEXAS		County CRANE		Event Code LCM		Event Type LAND-ORIG COMP	Objective
RIG Name CAPSTAR / 119				RIG PHONE NO 281-532-5388		RIG Fax No		Tool Pusher LARRY VAN GILDER	
RIG Name CAPSTAR / 119				RIG PHONE NO		RIG Fax No		Tool Pusher	

AFE #:		PA-11-0516-C					AFE Description:				
AFE Costs 3,017,500		Previous Day Cum 915,844		Daily Costs 30,330		Cumulative Cost 946,174		AFE Remaining 2,071,326		AFE % 31.36	
Comment Summary		TOH W/ OVERSHOT ; JAR ON FISH @ 80K OVERPULL ; WAIT ON WIRELINE TRUCK ; R/U DIALOG & RUN FREE POINT ; RIG SER ; RIG REPAIR ; TOH W/ FISH RECOVERED 6.87' OF FISH ; TIH W/ 1 JT OF TBG & MULE SHOE ; TOH ; MU SPEAR ; TIH ; RIG REPAIR									
24 HR Forecast		RUN FREE POINT & BACK OUT 2 JTS CSG ; PULL FISH OUT OF HOLE									

## 24 HR Operational Comments

From	To	Duration	Operation Description
12:00AM	12:30AM	0.50	TIH W/ 7 5/8" OVERSHOT ; LATCH ONTO FISH @ 2818'
12:30AM	01:30AM	1.00	JAR ON FISH @ 80K OVER STRING WT ; NO MOVEMENT
01:30AM	04:30AM	3.00	WAIT ON WIRELINE TRUCK
04:30AM	08:00AM	3.50	R/U DIALOG WIRELINE & RUN FREE POINT
08:00AM	08:30AM	0.50	RIG SERVICE
08:30AM	10:00AM	1.50	WAIT ON WELDER & REPLACE PINS ON PIVOT FOR BOOM
10:00AM	02:00PM	4.00	TOH W/ FISH ; RECOVERED 6' PUP JT & TOP COLLAR OFF PACKER ; TOTAL LENGTH OF FISH 6.87'
02:00PM	04:00PM	2.00	MOVE DC'S OFF RACKS ; SET 1 JT 2 7/8" TBG ON RACKS
04:00PM	07:30PM	3.50	TIH W/ 1 JT 2 7/8" TBG & MULE SHOE ; WENT 32' INSIDE FISH W/ TBG
07:30PM	10:30PM	3.00	TOH W/ TBG ; L/D TBG
10:30PM	11:30PM	1.00	P/U & M/U 5.5" SPEAR W/ 4.795 GRAPPLE
11:30PM	12:00AM	0.50	ADJUST ROLLERS ON TOP DRIVE

Remarks	
TIH W/ SPEAR ; TAGGED @ 2825' WENT INSIDE FISH W/ SPEAR A TOTAL OF 4' ; LATCH ONTO FISH ; PULLED 40K OVERPULL ; R/U WIRELINE TRUCK & RUN FREE POINT	

## Directional Information

Initial Deviation	Max Dev	Max Dogleg
1,797	92.2deg at 5,804	12.8 deg at 3,075

## Casing / Tubing Information

Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
CONDUCTOR	20.00	94	H-40	51.00			-2,496.00	
SURFACE	13.38	48	H-40	1,012.99			-1,534.12	
INTERMEDIATE 1	8.63	32, 0	J-55	2,999.99	850		374.10	
PACKER ASSEMBLY 1	5.50	17, 0	L80, N80 Sub, L80 EXR, L80 / 13%Cr	7,634.00			444.08	

## Fluids

Type	Weight	% Solids	NTU	Company Name
Water	0.00	0.00		NEW

## Personnel

Company Name	No of People	Hours Today	Cum / Event
SMITH INTERNATIONAL	1	24.0	144.0
LEWIS CASING CREWS	0	36.0	450.0
CAPSTAR DRILLING Inc.	9	72.0	552.0
JW MULLOYCONSULTING	1	24.0	144.0
CAPSTAR DRILLING Inc.	1	24.0	624.0
Total:	12	180.0	1,914.0



## APACHE CORPORATION

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## Safety Drills

Rams	Annulars 750.00 (psi)	Casing 5/19/2012 / 1,000.00 (psi)	Last BOP Test 5/19/2012	Next BOP Test 6/2/2012
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## BULKS

Product	QTY
DIESEL, RIG FUEL	0.0
	3,803.0

## Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000	
70004	CASING CREW	15,000	35,932	0	35,932	-20,932	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,584	0	3,584	16,416	
70011	COMPANY SUPERVISION	17,000	5,500	0	5,500	11,500	
70017	CONTRACT LABOR	65,000	91,487	11,700	103,187	-38,187	FISHING SERVICES
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	144,778	14,400	159,178	-31,178	CAPSTAR 119 / HRLY RATE
70021	CONTRACT SUPERVISION		17,000	1,700	18,700		JOE BARRERA
70025	DRILLING FLUIDS		10,069	0	10,069		DAILY MUD USAGE
70026			0	0	0		
70031	EQUIPMENT RENTAL			40			INTERCOM SYSTEM
70031	EQUIPMENT RENTAL			175			WATER/SEPTIC/SATELITE F/ TRAILER
70031	EQUIPMENT RENTAL	130,000	23,174	215	23,389	106,611	
70034	FORMATION STIMULATION	1,500,000	23,886	0	23,886	1,476,114	
70037	FUEL AND POWER		10,335	2,315	12,650		RIG FUEL
70049	LOGGING AND WIRELINE	65,000	7,605	0	7,605	57,395	
70069	SNUBBING/COIL TUBING UNIT	150,000	62,400	0	62,400	87,600	
70074	TRUCKING AND HAULING	90,000	14,545	0	14,545	75,455	
70076	TUBULAR INSPECTION/TESTING	3,500	3,034	0	3,034	466	
70077	WATER		5,897	0	5,897		
Total Intangible Cost		2,248,500	459,226	30,330	489,556	1,758,944	
71001	ARTIFICIAL LIFT	150,000	0	0	0	150,000	
71012	FLOWLINES TO BATTERY	25,000	0	0	0	25,000	
71032	OTHER SUBSURFACE EQUIPMENT	300,000	335,635	0	335,635	-35,635	
71033	OTHER SURFACE EQUIPMENT	30,000	0	0	0	30,000	
71036	PIPE, VALVES, FITTINGS	100,000	300	0	300	99,700	
71040	PRODUCTION CASING	135,000	115,514	0	115,514	19,486	
71053	TUBING	24,000	0	0	0	24,000	
71056	WELLHEAD ASSEMBLY	5,000	5,169	0	5,169	-169	
Total Tangible Cost		769,000	456,618		456,618	312,382	
Total:		3,017,500	915,844	30,330	946,174	2,071,326	





## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 05-24-2012	
Operator APACHE CORPORATION		API 4210335938	GL 2,536.00	TMD 2,827.00	TVD 2,795.18	RKB/RT 2,547.00	Working Int % 100.00	Report No 26
Region PERMIAN		District NOTREES - TX CZ		License		Well Supervisor JOE BARRERA 806-781-4306		Engineer / Geologist PATRICK ROARK
Field DUNE		State TEXAS		County CRANE		Event Code LCM		Event Type LAND-ORIG COMP
RIG Name CAPSTAR / 119		RIG PHONE NO 281-532-5388		RIG Fax No		Tool Pusher LARRY VAN GILDER		
RIG Name CAPSTAR / 119		RIG PHONE NO		RIG Fax No		Tool Pusher		
AFE #: PA-11-0516-C AFE Description:								
AFE Costs 3,017,500		Previous Day Cum 946,174		Daily Costs 36,861		Cumulative Cost 983,036		AFE Remaining 2,034,464
AFE % 32.58								
Comment Summary 24 HR Forecast		TIH W/SPEAR ; LATCH ONTO FISH ; R/U WIRE LINE & RUN FREE POINT ; TOH W/SPEAR ; RIG SER ; WELD STRAPS ON X-OVERS ; TIH W/ SPEAR ; RUN FREE POINT ; ATTEMPT TO RETIEVE FISH - NO SUCCESS ; TOH W/ SPEAR P/U WASHPIPE & WASH-OVER FISH						
24 HR Operational Comments								
From	To	Duration	Operation Description					
12:00AM	03:00AM	3.00	TIH W/ SPEAR ASSEMBLY ; LATCH ONTO FISH @ 2825'					
03:00AM	05:00AM	2.00	R/U DIALOG WIRE LINE UNIT					
05:00AM	07:30AM	2.50	RUN CCL W/ DIALOG ; INDICATIONS OF A CONN BREAKING LOOSE ; BACKED OFF XO ON TOP OF SPEAR ; SCREW BACK INTO SPEAR ; RD DIALOG					
07:30AM	12:30PM	5.00	TOH W/ SPEAR ASSEMBLY					
12:30PM	01:00PM	0.50	RIG SER					
01:00PM	01:30PM	0.50	WELD STRAPS ON X-OVERS					
01:30PM	04:00PM	2.50	TIH W/ SPEAR ASSEMBLY					
04:00PM	09:00PM	5.00	R/U & CCL W/ 100 GRAIN SHOT ; ATTEMPT TO RETIEVE FISH WITH NO SUCCESS ; RUN CCL W/ 100 GRAIN SHOT AGAIN ; ATTEMPT TO RETRIEVE FISH WITH NO SUCCESS ; WHILE ATTEMPTING TO BACK-OFF 3' PUP JOINT BROKE CONN ON SPEAR ASSY. ; SCREW BACK INTO SPEAR & RELEASE GRAPPLE ; RD DIALOG					
09:00PM	12:00AM	3.00	TOH W/ SPEAR ASSEMBLY					
Remarks								
IH W/ WASHPIPE ; CIRC & CONDITION MUD								
Directional Information								
Initial Deviation 1,797	Max Dev 92.2deg at 5,804			Max Dogleg 12.8 deg at 3,075				
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
CONDUCTOR	20.00	94	H-40	51.00			-2,496.00	
SURFACE	13.38	48	H-40	1,012.99			-1,534.12	
INTERMEDIATE 1	8.63	32, 0	J-55	2,999.99	850		374.10	
PACKER ASSEMBLY 1	5.50	17, 0	L80, N80 Sub, L80 EXR, L80 / 13%Cr	7,634.00			444.08	
Fluids								
Type Water	Weight 0.00	% Solids 0.00	NTU	Company Name NEW				
Personnel								
Company Name	No of People	Hours Today	Cum / Event					
CAPSTAR DRILLING Inc.	1	24.0	648.0					
JW MULLOYCONSULTING	1	24.0	168.0					
LEWIS CASING CREWS	0	36.0	486.0					
SMITH INTERNATIONAL	1	24.0	168.0					
CAPSTAR DRILLING Inc.	9	72.0	624.0					
Total:	12	180.0	2,094.0					
Safety Drills								
Rams	Annulars 750.00 (psi)	Casing 5/19/2012 / 1,000.00 (psi)	Last BOP Test 5/19/2012	Next BOP Test 6/2/2012				



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## BULKS

Product		QTY					
		0.0					
DIESEL, RIG FUEL		3,429.0					
Daily Cost Detail							
Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000	
70004	CASING CREW	15,000	35,932	0	35,932	-20,932	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,584	0	3,584	16,416	
70011	COMPANY SUPERVISION	17,000	5,500	0	5,500	11,500	
70017	CONTRACT LABOR			10,695			COST FOR CHEMICAL CUT ON CSG
70017	CONTRACT LABOR			687			WELDER TO WELD STRAPS ON FISHII
70017	CONTRACT LABOR			7,900			FISHING SERVICES
70017	CONTRACT LABOR	65,000	103,187	19,282	122,469	-57,469	
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	159,178	14,400	173,578	-45,578	CAPSTAR 119 / HRLY RATE
70021	CONTRACT SUPERVISION		18,700	1,700	20,400		JOE BARRERA
70025	DRILLING FLUIDS		10,069	0	10,069		DAILY MUD USAGE
70026			0	0	0		
70031	EQUIPMENT RENTAL			175			WATER/SEPTIC/SATELITE F/ TRAILER
70031	EQUIPMENT RENTAL			40			INTERCOM SYSTEM
70031	EQUIPMENT RENTAL	130,000	23,389	215	23,604	106,396	
70034	FORMATION STIMULATION	1,500,000	23,886	0	23,886	1,476,114	
70037	FUEL AND POWER		12,650	1,264	13,915		RIG FUEL
70049	LOGGING AND WIRELINE	65,000	7,605	0	7,605	57,395	
70069	SNUBBING/COIL TUBING UNIT	150,000	62,400	0	62,400	87,600	
70074	TRUCKING AND HAULING	90,000	14,545	0	14,545	75,455	
70076	TUBULAR INSPECTION/TESTING	3,500	3,034	0	3,034	466	
70077	WATER		5,897	0	5,897		
Total Intangible Cost		2,248,500	489,556	36,861	526,418	1,722,082	
71001	ARTIFICIAL LIFT	150,000	0	0	0	150,000	
71012	FLOWLINES TO BATTERY	25,000	0	0	0	25,000	
71032	OTHER SUBSURFACE EQUIPMENT	300,000	335,635	0	335,635	-35,635	
71033	OTHER SURFACE EQUIPMENT	30,000	0	0	0	30,000	
71036	PIPE, VALVES, FITTINGS	100,000	300	0	300	99,700	
71040	PRODUCTION CASING	135,000	115,514	0	115,514	19,486	
71053	TUBING	24,000	0	0	0	24,000	
71056	WELLHEAD ASSEMBLY	5,000	5,169	0	5,169	-169	
Total Tangible Cost		769,000	456,618		456,618	312,382	
Total:		3,017,500	946,174	36,861	983,036	2,034,464	



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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 05-25-2012	
Operator APACHE CORPORATION		API 4210335938	GL 2,536.00	TMD 2,827.00	TVD 2,795.18	RKB/RT 2,547.00	Working Int % 100.00	Report No 27
Region PERMIAN		District NOTREES - TX CZ	License	Well Supervisor JOE BARRERA 806-781-4306			Engineer / Geologist PATRICK ROARK	
Field DUNE		State TEXAS	County CRANE	Event Code LCM	Event Type LAND-ORIG COMP		Objective	
RIG Name CAPSTAR / 119			RIG PHONE NO 281-532-5388		RIG Fax No		Tool Pusher LARRY VAN GILDER	
RIG Name CAPSTAR / 119			RIG PHONE NO		RIG Fax No		Tool Pusher	
AFE #: PA-11-0516-C AFE Description:								
AFE Costs 3,017,500		Previous Day Cum 983,036		Daily Costs 26,833	Cumulative Cost 1,009,869	AFE Remaining 2,007,631	AFE % 33.47	
Comment Summary		LD SPEAR MU WASHPIPE ; TIH W/ WASH PIPE TO 2825' ; CIRC & COND MUD ; MILL ON PKRF/ 2828.5 TO 2828.8 ; TOH W/WASH PIPE ; INSPECT WASH PIPE& LD SAME ; TIH W/ 6' RID SHOE ; WASH & CLEAN ON TOP FISH ; MILL ON PKR F/ 2825.8' TO 2828.80' ; 3.80' MILLED						
24 HR Forecast		TOH W/ WASH PIPE & LD SAME ; TIH W/ OVERSHOT & JARS & ATTEMPT TO RETIEVE FISH						
24 HR Operational Comments								
From	To	Duration	Operation Description					
12:00AM	01:00AM	1.00	L/D SPEAR ASSY & M/U WASH PIPE ; NO RECOVERY					
01:00AM	04:30AM	3.50	TIH W/ 15' JT. WASH PIPE ; WASH TO TOP OF FISH @ 2825'					
04:30AM	11:00AM	6.50	CIRC & CONDITION MUD ; RAISE VIS TO 40+ BEFORE STARTING MILLING OPERATIONS					
11:00AM	11:30AM	0.50	WASH OVER PACKER F/ 2825' TO 2828.5'					
11:30AM	01:30PM	2.00	MILL ON PACKER F/ 2828.5' TO 2828.8' ; INDICATIONS OF SOMETHING DOWNHOLE SPINNING IN WASH PIPE					
01:30PM	05:00PM	3.50	TOH W/ WASH PIPE ASSY					
05:00PM	05:30PM	0.50	INSPECT WASH PIPE & L/D SAME ; HAD 20K OVER PULL @ WELL HEAD BUT OBSTRUCTION FELL OFF BEFORE REACHING SURFACE ; SHOE 80% DULL					
05:30PM	08:00PM	2.50	TIH W/ 6' ROUGH ID MILL SHOE ; TAGGED @ 2827' W/ NO ROTATION ; TAGGED @ 2825' W/ ROTATION & TORQUE					
08:00PM	09:00PM	1.00	WASH & CLEAN UP TOP OF FISH @ 2825'					
09:00PM	12:00AM	3.00	MILL ON PACKER F/ 2825.8 TO 2828.80' ; 3.80' MILLED					
Remarks								
MILLING F/ 2825' TO 2828.70' ; TOH W/ WASH PIPE ; LD 6' RID SHOE ; SHOE 20% DULL ; PREPARE BHA FOR OVERSHOT RUN								
Directional Information								
Initial Deviation 1,797	Max Dev 92.2deg at 5,804			Max Dogleg 12.8 deg at 3,075				
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
CONDUCTOR	20.00	94	H-40	51.00			-2,496.00	
SURFACE	13.38	48	H-40	1,012.99			-1,534.12	
INTERMEDIATE 1	8.63	32, 0	J-55	2,999.99	850		374.10	
PACKER ASSEMBLY 1	5.50	17, 0	L80, N80 Sub, L80 EXR, L80 / 13%Cr	7,634.00			444.08	
Fluids								
Type Brine	Weight	% Solids	NTU	Company Name NEWPARK				
Personnel								
Company Name	No of People	Hours Today	Cum / Event					
CAPSTAR DRILLING Inc.	1	24.0	672.0					
JW MULLOYCONSULTING	1	24.0	192.0					
SMITH INTERNATIONAL	1	24.0	192.0					
LEWIS CASING CREWS	0	36.0	522.0					
CAPSTAR DRILLING Inc.	9	72.0	696.0					
Total:	12	180.0	2,274.0					
Safety Drills								
Rams	Annulars 750.00 (psi)	Casing 5/19/2012 / 1,000.00 (psi)	Last BOP Test 5/19/2012	Next BOP Test 6/2/2012				



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## BULKS

Product		QTY					
		0.0					
DIESEL, RIG FUEL		2,805.0					
Daily Cost Detail							
Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000	
70004	CASING CREW	15,000	35,932	0	35,932	-20,932	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,584	0	3,584	16,416	
70011	COMPANY SUPERVISION	17,000	5,500	0	5,500	11,500	
70017	CONTRACT LABOR			6,500			FISHING SERVICES
70017	CONTRACT LABOR			502			WELDER TO CUT STRAPS OFF X-OVE
70017	CONTRACT LABOR	65,000	122,469	7,002	129,471	-64,471	
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	173,578	14,400	187,978	-59,978	CAPSTAR 119 / HRLY RATE
70021	CONTRACT SUPERVISION		20,400	1,700	22,100		JOE BARRERA
70025	DRILLING FLUIDS		10,069	1,299	11,368		DAILY MUD USAGE
70026			0	0	0		
70031	EQUIPMENT RENTAL			283			WATER/SEPTIC/SATELITE F/ TRAILER
70031	EQUIPMENT RENTAL			40			INTERCOM SYSTEM
70031	EQUIPMENT RENTAL	130,000	23,604	323	23,927	106,073	
70034	FORMATION STIMULATION	1,500,000	23,886	0	23,886	1,476,114	
70037	FUEL AND POWER		13,915	2,109	16,024		RIG FUEL
70049	LOGGING AND WIRELINE	65,000	7,605	0	7,605	57,395	
70069	SNUBBING/COIL TUBING UNIT	150,000	62,400	0	62,400	87,600	
70074	TRUCKING AND HAULING	90,000	14,545	0	14,545	75,455	
70076	TUBULAR INSPECTION/TESTING	3,500	3,034	0	3,034	466	
70077	WATER		5,897	0	5,897		
Total Intangible Cost		2,248,500	526,418	26,833	553,251	1,695,249	
71001	ARTIFICIAL LIFT	150,000	0	0	0	150,000	
71012	FLOWLINES TO BATTERY	25,000	0	0	0	25,000	
71032	OTHER SUBSURFACE EQUIPMENT	300,000	335,635	0	335,635	-35,635	
71033	OTHER SURFACE EQUIPMENT	30,000	0	0	0	30,000	
71036	PIPE, VALVES, FITTINGS	100,000	300	0	300	99,700	
71040	PRODUCTION CASING	135,000	115,514	0	115,514	19,486	
71053	TUBING	24,000	0	0	0	24,000	
71056	WELLHEAD ASSEMBLY	5,000	5,169	0	5,169	-169	
Total Tangible Cost		769,000	456,618		456,618	312,382	
Total:		3,017,500	983,036	26,833	1,009,869	2,007,631	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 05-26-2012		
Operator APACHE CORPORATION		API 4210335938	GL 2,536.00	TMD 2,827.00	TVD 2,795.18	RKB/RT 2,547.00	Working Int % 100.00	Report No 28	
Region PERMIAN		District NOTREES - TX CZ	License		Well Supervisor JOE BARRERA 806-781-4306		Engineer / Geologist PATRICK ROARK		
Field DUNE		State TEXAS		County CRANE		Event Code LCM		Event Type LAND-ORIG COMP	Objective
RIG Name CAPSTAR / 119			RIG PHONE NO 281-532-5388		RIG Fax No		Tool Pusher LARRY VAN GILDER		
RIG Name CAPSTAR / 119			RIG PHONE NO		RIG Fax No		Tool Pusher		
AFE #: PA-11-0516-C AFE Description:									
AFE Costs 3,017,500		Previous Day Cum 1,009,869		Daily Costs 35,757		Cumulative Cost 1,045,626		AFE Remaining 1,971,874	AFE % 34.65
Comment Summary		MILL ON PKR;TOH W/6" MILL SHOE;P/U & M/U OVERSHOT ASSY;TIH W/OVERSHOT;ENGAGE FISH & WORK OVERSHOT;TOH W/OVERSHOT;RECOVERED SLIDING SLEEVE OFF PKR;WO TOOLS;TIH W/ OVERSHOT;ENGAGE FISH & JAR;RUN FREE POINT;RIH W/ 100 GRAIN & ATTEMPT B/OFF							
24 HR Forecast		ATTEMPT TO GET FISH OUT OF THE HOLE W/ MECHANICAL OR CHEMICAL CUTTERS							
24 HR Operational Comments									
From	To	Duration	Operation Description						
12:00AM	03:30AM	3.50	MILL ON PACKER F/ 2828' TO 2830'						
03:30AM	05:30AM	2.00	TOH W/ 6" MILL SHOE ; L/D MILL ; MILLED A TOTAL OF 4'						
05:30AM	06:30AM	1.00	LOAD 6 DC'S ON RACKS & SLM ; P/U & M/U OVERSHOT, JARS & ACCELERATOR						
06:30AM	09:30AM	3.00	TIH W/ OVERSHOT ASSY W/ 6.5" GRAPPLE						
09:30AM	10:00AM	0.50	ENGAGE FISH @ 2825'String turning free w/ no torque ; no gain in string wt.						
10:00AM	12:30PM	2.50	TOH W/ OVERSHOT ; RECOVERED SLIDING SLEEVE OFF PACKER ; OVERALL LENGTH 1.15'						
12:30PM	03:00PM	2.50	WAIT ON TOOLS						
03:00PM	06:00PM	3.00	P/U OVERSHOT & TIH						
06:00PM	09:00PM	3.00	ENGAGE FISH @ 2825' & START JARRING @ 130K OVER STRING WT.						
09:00PM	12:00AM	3.00	R/U DIALOG & RUN FREE POINT ; MOVEMENT @ PKR, STUCK IN MIDDLE OF 3' PUP JT.;RIH W/ 100 GRAIN SHOT & ATTEMPT TO B/OFF WITH NO SUCCESS ; WORK PIPE TO GET B/OFF ; BROKE CONN @ OVERSHOT BOWL ; SCREW BACK INTO BOWL & RELEASE OVERSHOT ; VERIFY W/ CCL THAT BOWL WAS SCREWED BACK TOGETHER						
Remarks									
RIH W/ 100 GRAIN SHOT & ATTEMPT B/OFF@ BTM OF PKR ; B/OFF ON OVERSHOT BOWL ; SCREW BACK INTO BOWL & RELEASE OVERSHOT ; TOH W/ OVERSHOT ; WOO									
Directional Information									
Initial Deviation 1,797		Max Dev 92.2deg at 5,804		Max Dogleg 12.8 deg at 3,075					
Casing / Tubing Information									
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method	
CONDUCTOR	20.00	94	H-40	51.00			-2,496.00		
SURFACE	13.38	48	H-40	1,012.99			-1,534.12		
INTERMEDIATE 1	8.63	32, 0	J-55	2,999.99	850		374.10		
PACKER ASSEMBLY 1	5.50	17, 0	L80, N80 Sub, L80 EXR, L80 / 13%Cr	7,634.00			444.08		
Fluids									
Type Brine	Weight	% Solids	NTU	Company Name New					
Personnel									
Company Name	No of People	Hours Today	Cum / Event						
CAPSTAR DRILLING Inc.	1	24.0	696.0						
SMITH INTERNATIONAL	1	24.0	216.0						
LEWIS CASING CREWS	0	36.0	558.0						
CAPSTAR DRILLING Inc.	9	72.0	768.0						
JW MULLOYCONSULTING	1	24.0	216.0						
Total:	12	180.0	2,454.0						



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## Safety Drills

Rams	Annulars 750.00 (psi)	Casing 5/19/2012 / 1,000.00 (psi)	Last BOP Test 5/19/2012	Next BOP Test 6/2/2012
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## BULKS

Product	QTY
DIESEL, RIG FUEL	0.0
	4,613.0

## Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000	
70004	CASING CREW	15,000	35,932	0	35,932	-20,932	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,584	0	3,584	16,416	
70011	COMPANY SUPERVISION	17,000	5,500	0	5,500	11,500	
70017	CONTRACT LABOR	65,000	129,471	17,000	146,471	-81,471	FISHING SERVICES
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	187,978	14,400	202,378	-74,378	CAPSTAR 119 / HRLY RATE
70021	CONTRACT SUPERVISION		22,100	1,700	23,800		JOE BARRERA
70025	DRILLING FLUIDS		11,368	1,684	13,052		DAILY MUD USAGE
70026			0	0	0		
70031	EQUIPMENT RENTAL			40			INTERCOM SYSTEM
70031	EQUIPMENT RENTAL			283			WATER/SEPTIC/SATELITE F/ TRAILER
70031	EQUIPMENT RENTAL	130,000	23,927	323	24,251	105,750	
70034	FORMATION STIMULATION	1,500,000	23,886	0	23,886	1,476,114	
70037	FUEL AND POWER		16,024	649	16,673		RIG FUEL
70049	LOGGING AND WIRELINE	65,000	7,605	0	7,605	57,395	
70069	SNUBBING/COIL TUBING UNIT	150,000	62,400	0	62,400	87,600	
70074	TRUCKING AND HAULING	90,000	14,545	0	14,545	75,455	
70076	TUBULAR INSPECTION/TESTING	3,500	3,034	0	3,034	466	
70077	WATER		5,897	0	5,897		
Total Intangible Cost		2,248,500	553,251	35,757	589,008	1,659,492	
71001	ARTIFICIAL LIFT	150,000	0	0	0	150,000	
71012	FLOWLINES TO BATTERY	25,000	0	0	0	25,000	
71032	OTHER SUBSURFACE EQUIPMENT	300,000	335,635	0	335,635	-35,635	
71033	OTHER SURFACE EQUIPMENT	30,000	0	0	0	30,000	
71036	PIPE, VALVES, FITTINGS	100,000	300	0	300	99,700	
71040	PRODUCTION CASING	135,000	115,514	0	115,514	19,486	
71053	TUBING	24,000	0	0	0	24,000	
71056	WELLHEAD ASSEMBLY	5,000	5,169	0	5,169	-169	
Total Tangible Cost		769,000	456,618		456,618	312,382	
Total:		3,017,500	1,009,869	35,757	1,045,626	1,971,874	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 05-27-2012		
Operator APACHE CORPORATION		API 4210335938	GL 2,536.00	TMD 2,827.00	TVD 2,795.18	RKB/RT 2,547.00	Working Int % 100.00	Report No 29	
Region PERMIAN		District NOTREES - TX CZ	License		Well Supervisor JOE BARRERA 806-781-4306 / ADAM GARZA (806) 781-4306		Engineer / Geologist PATRICK ROARK		
Field DUNE		State TEXAS		County CRANE		Event Code LCM		Event Type LAND-ORIG COMP	Objective
RIG Name CAPSTAR / 119			RIG PHONE NO 281-532-5388		RIG Fax No		Tool Pusher LARRY VAN GILDER		
RIG Name CAPSTAR / 119			RIG PHONE NO		RIG Fax No		Tool Pusher		
AFE #: PA-11-0516-C AFE Description:									
AFE Costs 3,017,500		Previous Day Cum 1,045,626		Daily Costs 31,779		Cumulative Cost 1,077,405		AFE Remaining 1,940,095	AFE % 35.71
Comment Summary		ATTEMPT B/ OFF ; TOH W/ OVERSHOT ; ATTEMPT TO RUN CHEMICAL CUTTERS W/ NO DP NO SUCCESS ; TIH W/ OVERSHOT ; JAR ON FISH ; FISH CAME FREE ; TOH W/ FISH ; RECOVERED FISH ; TOTAL RECOVERY 94.74' ; L/D FISH & TOOLS ; R/U FLOOR F/ RETRIEVE RBP							
24 HR Forecast		RETRIEVE RBP ; TOH ; TIH W/ TBG & BIT TO CLEAN OUT CSG ;							
24 HR Operational Comments									
From	To	Duration	Operation Description						
12:00AM	01:30AM	1.50	ATTEMPT TO B/OFF WITH NO SUCCESS ; BROKE CONN ON OVERSHOT BOWL ; SCREW BACK INTO OVERSHOT, RELEASE GRAPPLE						
01:30AM	04:30AM	3.00	TOH W/ OVERSHOT ; RECOVERED ALL FISHING TOOLS						
04:30AM	06:00AM	1.50	WAIT ON FISHING TOOLS						
06:00AM	07:30AM	1.50	R/U DIALOG & ATTEMPT TO GET INTO OVERSHOT W/ CHEMICAL CUTTER WITH NO SUCCESS						
07:30AM	11:30AM	4.00	WAIT ON ORDERS						
11:30AM	02:00PM	2.50	M/U OVERSHOT ASSY & TIH						
02:00PM	03:00PM	1.00	ENGAGE FISH @ 2825' ; JAR UP & DOWN ON FISH F/ 45 MIN ; FISH CAME FREE						
03:00PM	06:30PM	3.50	TOH W/ FISH ; RECOVERED PKR - 10.12', 2 JTS CSG W/ COLLAR ON BTM - 84.62, TOTAL RECOVERY - 94.74'						
06:30PM	07:30PM	1.00	BREAK DOWN & L/D FISH						
07:30PM	12:00AM	4.50	PREPARE FLOOR FOR P/U TBG ; REMOVE DC'S F/ RACKS ; SLM TBG						
Remarks									
TIH TO RETRIEVE RBP ; ENGAGE RBP @ 3040' ; CIRC 2 BTMS UP, CLEAN OUT SAND									
Directional Information									
Initial Deviation 1,797		Max Dev 92.2deg at 5,804			Max Dogleg 12.8 deg at 3,075				
Casing / Tubing Information									
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method	
CONDUCTOR	20.00	94	H-40	51.00			-2,496.00		
SURFACE	13.38	48	H-40	1,012.99			-1,534.12		
INTERMEDIATE 1	8.63	32, 0	J-55	2,999.99	850		374.10		
PACKER ASSEMBLY 1	5.50	17, 0	L80, N80 Sub, L80 EXR, L80 / 13%Cr	7,634.00			444.08		
Fluids									
Type Brine	Weight 0.00	% Solids 0.00	NTU	Company Name New					
Personnel									
Company Name	No of People	Hours Today	Cum / Event						
SMITH INTERNATIONAL	1	24.0	240.0						
JW MULLOYCONSULTING	1	24.0	240.0						
CAPSTAR DRILLING Inc.	1	24.0	720.0						
LEWIS CASING CREWS	0	36.0	594.0						
CAPSTAR DRILLING Inc.	9	72.0	840.0						
Total:	12	180.0	2,634.0						
Safety Drills									
Rams	Annulars 750.00 (psi)	Casing 5/19/2012 / 1,000.00 (psi)	Last BOP Test 5/19/2012	Next BOP Test 6/2/2012					



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## BULKS

Product		QTY					
		0.0					
DIESEL, RIG FUEL		4,239.0					
Daily Cost Detail							
Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000	
70004	CASING CREW	15,000	35,932	0	35,932	-20,932	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,584	0	3,584	16,416	
70011	COMPANY SUPERVISION	17,000	5,500	0	5,500	11,500	
70017	CONTRACT LABOR	65,000	146,471	12,500	158,971	-93,971	FISHING SERVICES
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	202,378	14,400	216,778	-88,778	CAPSTAR 119 / HRLY RATE
70021	CONTRACT SUPERVISION		23,800	3,400	27,200		JOE BARRERA
70025	DRILLING FLUIDS		13,052	0	13,052		DAILY MUD USAGE
70026			0	0	0		
70031	EQUIPMENT RENTAL			40			INTERCOM SYSTEM
70031	EQUIPMENT RENTAL			175			WATER/SEPTIC/SATELITE F/ TRAILER
70031	EQUIPMENT RENTAL	130,000	24,251	215	24,466	105,535	
70034	FORMATION STIMULATION	1,500,000	23,886	0	23,886	1,476,114	
70037	FUEL AND POWER		16,673	1,264	17,937		RIG FUEL
70049	LOGGING AND WIRELINE	65,000	7,605	0	7,605	57,395	
70069	SNUBBING/COIL TUBING UNIT	150,000	62,400	0	62,400	87,600	
70074	TRUCKING AND HAULING	90,000	14,545	0	14,545	75,455	
70076	TUBULAR INSPECTION/TESTING	3,500	3,034	0	3,034	466	
70077	WATER		5,897	0	5,897		
Total Intangible Cost		2,248,500	589,008	31,779	620,787	1,627,713	
71001	ARTIFICIAL LIFT	150,000	0	0	0	150,000	
71012	FLOWLINES TO BATTERY	25,000	0	0	0	25,000	
71032	OTHER SUBSURFACE EQUIPMENT	300,000	335,635	0	335,635	-35,635	
71033	OTHER SURFACE EQUIPMENT	30,000	0	0	0	30,000	
71036	PIPE, VALVES, FITTINGS	100,000	300	0	300	99,700	
71040	PRODUCTION CASING	135,000	115,514	0	115,514	19,486	
71053	TUBING	24,000	0	0	0	24,000	
71056	WELLHEAD ASSEMBLY	5,000	5,169	0	5,169	-169	
Total Tangible Cost		769,000	456,618		456,618	312,382	
Total:		3,017,500	1,045,626	31,779	1,077,405	1,940,095	





## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 05-28-2012	
Operator APACHE CORPORATION		API 4210335938	GL 2,536.00	TMD 2,827.00	TVD 2,795.18	RKB/RT 2,547.00	Working Int % 100.00	Report No 30
Region PERMIAN		District NOTREES - TX CZ		License		Well Supervisor JOE BARRERA 806-781-4306 / ADAM GARZA (806) 781-4306		Engineer / Geologist PATRICK ROARK
Field DUNE		State TEXAS		County CRANE		Event Code LCM		Event Type LAND-ORIG COMP
Objective		RIG Name CAPSTAR / 119		RIG PHONE NO 281-532-5388		RIG Fax No		Tool Pusher LARRY VAN GILDER
Objective		RIG Name CAPSTAR / 119		RIG PHONE NO		RIG Fax No		Tool Pusher

AFE #:		PA-11-0516-C					AFE Description:	
AFE Costs		Previous Day Cum	Daily Costs	Cumulative Cost	AFE Remaining	AFE %		
3,017,500		1,077,405	61,400	1,138,805	1,878,695	37.74		
Comment Summary		TIH W/ RETIEVER TOOL; WASH TO TOP OF RBP @ 3040' ; CIRC ; ENGAGE RBP @ 3040' ; TOH W/ RBP ; L/D RBP & 7 JTS OF 2 7/8" TBG ; CLEAN & JET PITS & FILL W/ FRESH WATER ; TIH W/ 4 3/4" BIT & TBG ; CIR & CLEAN HOLE F/ 3082' TO 3285' ; TOH W/ 4 3/4" BIT ENGAGE FISH W/ OVERSHOT & ATTEMPT TO FREE UP FISH						
24 HR Forecast								

## 24 HR Operational Comments

From	To	Duration	Operation Description
12:00AM	12:30AM	0.50	BUILD VOLUME IN PRE-MIX TANK
12:30AM	04:30AM	4.00	TIH W/ RETRIEVEABLE BRIDGE PLUG RETRIEVER TOOL
04:30AM	05:30AM	1.00	WASH TO TOP OF BRIDGE PLUG; ENGAGE BRIDGE PLUG @ 3040'; B/ OFF BRIDGE PLUG & CIRC 2 BTMS UP; ENGAGE BRIDGE PLUG & MOVE DOWN HOLE ( DID NOT TAG W/ RBP )
05:30AM	09:00AM	3.50	TOH W/ BRIDGE PLUG
09:00AM	11:00AM	2.00	BREAK DOWN RETRIEVER TOOL & TALLY 2 7/8" TBG
11:00AM	12:30PM	1.50	JET PITS & FILL W/ FRESH WATER
12:30PM	05:00PM	4.50	M/U 4 3/4" BIT & 13 JTS OF 2 7/8" TBG; TIH
05:00PM	08:00PM	3.00	CIRC & CLEAN CSG; TAG @ 3082'; CLEAN OUT F/ 3082' TO 3285'; POSSIBLE COLLAPSE CSG @ 3095'; POSSIBLE PARTED CSG @ 3118' POSSIBLE COLLAPSE CSG @ 3153'
08:00PM	12:00AM	4.00	TOH W/ 4 3/4" BIT; L/D 2 7/8" TBG & 4 3/4" BIT

Remarks
TOH W/ 4 3/4" BIT & TBG; L/D 13 JTS 2 7/8" TBG & 4 3/4" BIT; P/U & M/U 7 3/8" OVERSHOT & JAR ASSY; TIH W/ OVERSHOT ASSY; ENGAGE FISH @ 2920'

## Directional Information

Initial Deviation 1,797	Max Dev 92.2deg at 5,804	Max Dogleg 12.8 deg at 3,075
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## Casing / Tubing Information

Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
CONDUCTOR	20.00	94	H-40	51.00			-2,496.00	
SURFACE	13.38	48	H-40	1,012.99			-1,534.12	
INTERMEDIATE 1	8.63	32, 0	J-55	2,999.99	850		374.10	
PACKER ASSEMBLY 1	5.50	17, 0	L80, N80 Sub, L80 EXR, L80 / 13%Cr	7,634.00			444.08	

## Fluids

Type Brine	Weight	% Solids	NTU	Company Name New
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## Personnel

Company Name	No of People	Hours Today	Cum / Event
CAPSTAR DRILLING Inc.	9	72.0	912.0
LEWIS CASING CREWS	0	36.0	630.0
CAPSTAR DRILLING Inc.	1	24.0	744.0
JW MULLOYCONSULTING	1	24.0	264.0
SMITH INTERNATIONAL	1	24.0	264.0
Total:	12	180.0	2,814.0

## Safety Drills

Rams	Annulars 750.00 (psi)	Casing 5/19/2012 / 1,000.00 (psi)	Last BOP Test 5/19/2012	Next BOP Test 6/2/2012
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## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## BULKS

Product	QTY
	0.0
DIESEL, RIG FUEL	3,713.0
WATER, MUNICIPAL	960.0

## Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000	
70004	CASING CREW	15,000	35,932	0	35,932	-20,932	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,584	0	3,584	16,416	
70011	COMPANY SUPERVISION	17,000	5,500	0	5,500	11,500	
70017	CONTRACT LABOR	65,000	158,971	5,500	164,471	-99,471	FISHING SERVICES
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	216,778	14,400	231,178	-103,178	CAPSTAR 119 / HRLY RATE
70021	CONTRACT SUPERVISION		27,200	3,400	30,600		JOE BARRERA
70025	DRILLING FLUIDS		13,052	1,885	14,937		DAILY MUD USAGE
70026			0	0	0		
70031	EQUIPMENT RENTAL			175			WATER/SEPTIC/SATELITE F/ TRAILER
70031	EQUIPMENT RENTAL			40			INTERCOM SYSTEM
70031	EQUIPMENT RENTAL	130,000	24,466	215	24,681	105,320	
70034	FORMATION STIMULATION	1,500,000	23,886	0	23,886	1,476,114	
70037	FUEL AND POWER		17,937	1,778	19,715		RIG FUEL
70049	LOGGING AND WIRELINE			19,034			FREE POINT & STRING SHOT
70049	LOGGING AND WIRELINE			12,404			FREE POINT & STRING SHOT
70049	LOGGING AND WIRELINE	65,000	7,605	31,438	39,043	25,957	
70069	SNUBBING/COIL TUBING UNIT	150,000	62,400	0	62,400	87,600	
70074	TRUCKING AND HAULING	90,000	14,545	0	14,545	75,455	
70076	TUBULAR INSPECTION/TESTING	3,500	3,034	0	3,034	466	
70077	WATER		5,897	2,784	8,681		FRESH WATER
Total Intangible Cost		2,248,500	620,787	61,400	682,187	1,566,313	
71001	ARTIFICIAL LIFT	150,000	0	0	0	150,000	
71012	FLOWLINES TO BATTERY	25,000	0	0	0	25,000	
71032	OTHER SUBSURFACE EQUIPMENT	300,000	335,635	0	335,635	-35,635	
71033	OTHER SURFACE EQUIPMENT	30,000	0	0	0	30,000	
71036	PIPE, VALVES, FITTINGS	100,000	300	0	300	99,700	
71040	PRODUCTION CASING	135,000	115,514	0	115,514	19,486	
71053	TUBING	24,000	0	0	0	24,000	
71056	WELLHEAD ASSEMBLY	5,000	5,169	0	5,169	-169	
Total Tangible Cost		769,000	456,618		456,618	312,382	
Total:		3,017,500	1,077,405	61,400	1,138,805	1,878,695	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 05-29-2012	
Operator APACHE CORPORATION		API 4210335938	GL 2,536.00	TMD 2,827.00	TVD 2,795.18	RKB/RT 2,547.00	Working Int % 100.00	Report No 31
Region PERMIAN		District NOTREES - TX CZ	License		Well Supervisor JOE BARRERA 806-781-4306		Engineer / Geologist PATRICK ROARK	
Field DUNE		State TEXAS		County CRANE	Event Code LCM	Event Type LAND-ORIG COMP		Objective
RIG Name CAPSTAR / 119			RIG PHONE NO 281-532-5388		RIG Fax No		Tool Pusher LARRY VAN GILDER	
RIG Name CAPSTAR / 119			RIG PHONE NO		RIG Fax No		Tool Pusher	
AFE #: PA-11-0516-C AFE Description:								
AFE Costs 3,017,500		Previous Day Cum 1,138,805		Daily Costs 31,664	Cumulative Cost 1,170,469	AFE Remaining 1,847,031		AFE % 38.79
Comment Summary		L/D 2 7/8" TBG ; TIH W/ OVERSHOT ASSY ; ENGAGE FISH @ 2920' ; JAR ON FISH ( NO MOVEMENT ) ; R/U DIALOG & RUN FREE POINT W/ CCL ; SHOWED ALL CSG TO BE TOGETHER ; WAIT ON RENEGADE ; RUN THREE ARM CALIPER LOG ; TOH W/ OVERSHOT ASSY.						
24 HR Forecast		RUN 5.5" CSG & HANG WELL OFF						
24 HR Operational Comments								
From	To	Duration	Operation Description					
12:00AM	02:00AM	2.00	L/D 2 7/8" TBG					
02:00AM	05:30AM	3.50	P/U OVERSHOT ASSY & TIH ; ENGAGE FISH @ 2920'					
05:30AM	01:00PM	7.50	JAR ON FISH @ 150K OVERPULL ; NO MOVEMENT					
01:00PM	04:00PM	3.00	R/U DIALOG WIRELINE TRUCK & RUN FREE POINT W/ CCL ; SHOWED ALL CSG TO BE TOGETHER					
04:00PM	07:00PM	3.00	WAIT ON RENEGADE WIRELINE TRUCK					
07:00PM	09:00PM	2.00	R/U RENEGADE WIRELINE & RUN THREE ARM CALIPER LOG IN 5.5" CSG					
09:00PM	12:00AM	3.00	R/D RENEGADE IWIRELINE TRUCK ; RELEASE GRAPPLE & TOH					
Remarks								
WAIT ON DIALOG ; R/U & RUN 8 5/8" CSG INSPECTION LOG								
Directional Information								
Initial Deviation 1,797		Max Dev 92.2deg at 5,804		Max Dogleg 12.8 deg at 3,075				
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
CONDUCTOR	20.00	94	H-40	51.00			-2,496.00	
SURFACE	13.38	48	H-40	1,012.99			-1,534.12	
INTERMEDIATE 1	8.63	32, 0	J-55	2,999.99	850		374.10	
PACKER ASSEMBLY 1	5.50	17, 0	L80, N80 Sub, L80 EXR, L80 / 13%Cr	7,634.00			444.08	
Fluids								
Type Water	Weight	% Solids	NTU	Company Name NEWPARK				
Personnel								
Company Name	No of People	Hours Today	Cum / Event					
JW MULLOYCONSULTING	1	24.0	288.0					
SMITH INTERNATIONAL	1	24.0	288.0					
LEWIS CASING CREWS	0	36.0	666.0					
CAPSTAR DRILLING Inc.	1	24.0	768.0					
CAPSTAR DRILLING Inc.	9	72.0	984.0					
Total:	12	180.0	2,994.0					
Safety Drills								
Rams	Annulars 750.00 (psi)	Casing 5/19/2012 / 1,000.00 (psi)	Last BOP Test 5/19/2012	Next BOP Test 6/2/2012				



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## BULKS

Product		QTY					
		0.0					
DIESEL, RIG FUEL		3,179.0					
WATER, MUNICIPAL		1,320.0					
Daily Cost Detail							
Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000	
70004	CASING CREW	15,000	35,932	0	35,932	-20,932	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,584	0	3,584	16,416	
70011	COMPANY SUPERVISION	17,000	5,500	0	5,500	11,500	
70017	CONTRACT LABOR	65,000	164,471	12,500	176,971	-111,971	FISHING SERVICES
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	231,178	14,400	245,578	-117,578	CAPSTAR 119 / HRLY RATE
70021	CONTRACT SUPERVISION		30,600	1,700	32,300		JOE BARRERA
70025	DRILLING FLUIDS		14,937	0	14,937		DAILY MUD USAGE
70026			0	0	0		
70031	EQUIPMENT RENTAL			40			INTERCOM SYSTEM
70031	EQUIPMENT RENTAL			175			WATER/SEPTIC/SATELITE F/ TRAILER
70031	EQUIPMENT RENTAL	130,000	24,681	215	24,896	105,105	
70034	FORMATION STIMULATION	1,500,000	23,886	0	23,886	1,476,114	
70037	FUEL AND POWER		19,715	1,805	21,520		RIG FUEL
70049	LOGGING AND WIRELINE	65,000	39,043	0	39,043	25,957	
70069	SNUBBING/COIL TUBING UNIT	150,000	62,400	0	62,400	87,600	
70074	TRUCKING AND HAULING	90,000	14,545	0	14,545	75,455	
70076	TUBULAR INSPECTION/TESTING	3,500	3,034	0	3,034	466	
70077	WATER		8,681	1,044	9,725		FRESH WATER
Total Intangible Cost		2,248,500	682,187	31,664	713,851	1,534,649	
71001	ARTIFICIAL LIFT	150,000	0	0	0	150,000	
71012	FLOWLINES TO BATTERY	25,000	0	0	0	25,000	
71032	OTHER SUBSURFACE EQUIPMENT	300,000	335,635	0	335,635	-35,635	
71033	OTHER SURFACE EQUIPMENT	30,000	0	0	0	30,000	
71036	PIPE, VALVES, FITTINGS	100,000	300	0	300	99,700	
71040	PRODUCTION CASING	135,000	115,514	0	115,514	19,486	
71053	TUBING	24,000	0	0	0	24,000	
71056	WELLHEAD ASSEMBLY	5,000	5,169	0	5,169	-169	
Total Tangible Cost		769,000	456,618		456,618	312,382	
Total:		3,017,500	1,138,805	31,664	1,170,469	1,847,031	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 05-30-2012	
Operator APACHE CORPORATION		API 4210335938	GL 2,536.00	TMD 2,827.00	TVD 2,795.18	RKB/RT 2,547.00	Working Int % 100.00	Report No 32
Region PERMIAN		District NOTREES - TX CZ	License	Well Supervisor JOE BARRERA 806-781-4306			Engineer / Geologist PATRICK ROARK	
Field DUNE		State TEXAS	County CRANE	Event Code LCM	Event Type LAND-ORIG COMP		Objective	
RIG Name CAPSTAR / 119			RIG PHONE NO 281-532-5388		RIG Fax No		Tool Pusher LARRY VAN GILDER	
RIG Name CAPSTAR / 119			RIG PHONE NO		RIG Fax No		Tool Pusher	
AFE #: PA-11-0516-C AFE Description:								
AFE Costs 3,017,500		Previous Day Cum 1,170,469		Daily Costs 45,613	Cumulative Cost 1,216,081	AFE Remaining 1,801,419	AFE % 40.30	
Comment Summary		WAIT ON DIALOG ; R/U & RUN CALIPER LOG ; SLM CSG & PREPARE TALLY ; R/U CSG CREW ; WAIT ON PORT COLLAR ; RUN 69 JTS 5.5" CSG ; LATCH ONTO FISH @ 2920' ; WAIT ON RENEGADE WIRELINE ; R/U & RUN 60 ARM CALIPER LOG						
24 HR Forecast		RE-RUN CALIPER LOG ;						
24 HR Operational Comments								
From	To	Duration	Operation Description					
12:00AM	03:00AM	3.00	WAIT ON DIALOG WIRELINE TRUCK					
03:00AM	06:00AM	3.00	R/U DIALOG & RUN CALIPER LOG					
06:00AM	01:30PM	7.50	WAIT ON ORDERS ; SLM CSG & PREPARE CSG TALLY					
01:30PM	02:00PM	0.50	R/U LEWIS CSG CREW					
02:00PM	03:30PM	1.50	WAIT ON CMT PORT COLLAR					
03:30PM	06:00PM	2.50	RUN 69 JTS 5.5" 17# L80 CSG ; PORT COLLAR @ 2290' ; LATCH ONTO FISH @ 2920' W/ CSG PATCH					
06:00PM	09:30PM	3.50	WAIT ON RENEGADE WIRELINE TRUCK					
09:30PM	12:00AM	2.50	R/U RENEGADE & RUN 60 ARM CALIPER LOG					
Remarks								
RUN 60 ARM CALIPER LOG W/ RENEGADE ; MADE 2 RUNS DUE TO BREAKING SOME FINGERS ON TOOL, PULL WIRELINE & REPLACE FINGERS ; POSSIBLE BAD SPOT IN CSG @ WIRELINE DEPTH 3052' TO 3065'								
Directional Information								
Initial Deviation 1,797		Max Dev 92.2deg at 5,804		Max Dogleg 12.8 deg at 3,075				
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
CONDUCTOR	20.00	94	H-40	51.00			-2,496.00	
SURFACE	13.38	48	H-40	1,012.99			-1,534.12	
		0, 17	L80, L-80 KSI	2,920.03			317.41	
INTERMEDIATE 1	8.63	32, 0	J-55	2,999.99	850		374.10	
PACKER ASSEMBLY 1	5.50	17, 0	L80, N80 Sub, L80 EXR, L80 / 13%Cr	7,634.00			444.08	
Personnel								
Company Name	No of People	Hours Today	Cum / Event					
SMITH INTERNATIONAL	1	24.0	312.0					
LEWIS CASING CREWS	4	20.0	686.0					
CAPSTAR DRILLING Inc.	1	24.0	792.0					
CAPSTAR DRILLING Inc.	9	72.0	1,056.0					
JW MULLOYCONSULTING	1	24.0	312.0					
Total:	16	164.0	3,158.0					
Safety Drills								
Rams	Annulars 750.00 (psi)	Casing 5/19/2012 / 1,000.00 (psi)	Last BOP Test 5/19/2012	Next BOP Test 6/2/2012				
BULKS								
Product	QTY							
	0.0							
DIESEL, RIG FUEL	2,743.0							
WATER, MUNICIPAL	1,320.0							



APACHE CORPORATION

Daily Land - Orig Comp Report

Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000	
70004	CASING CREW	15,000	35,932	3,250	39,182	-24,182	5.5" CSG RUN
70006	CEMENT AND CEMENTING SERVICES	20,000	3,584	0	3,584	16,416	
70011	COMPANY SUPERVISION	17,000	5,500	0	5,500	11,500	
70017	CONTRACT LABOR	65,000	176,971	14,000	190,971	-125,971	FISHING SERVICES
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	245,578	14,400	259,978	-131,978	CAPSTAR 119 / HRLY RATE
70021	CONTRACT SUPERVISION		32,300	1,700	34,000		JOE BARRERA
70025	DRILLING FLUIDS		14,937	0	14,937		DAILY MUD USAGE
70026			0	0	0		
70031	EQUIPMENT RENTAL			175			WATER/SEPTIC/SATELITE F/ TRAILER
70031	EQUIPMENT RENTAL			40			INTERCOM SYSTEM
70031	EQUIPMENT RENTAL	130,000	24,896	215	25,111	104,890	
70034	FORMATION STIMULATION	1,500,000	23,886	0	23,886	1,476,114	
70037	FUEL AND POWER		21,520	1,474	22,993		RIG FUEL
70049	LOGGING AND WIRELINE	65,000	39,043	9,880	48,923	16,077	THREE ARM CALIPER LOG
70069	SNUBBING/COIL TUBING UNIT	150,000	62,400	0	62,400	87,600	
70074	TRUCKING AND HAULING	90,000	14,545	0	14,545	75,455	
70076	TUBULAR INSPECTION/TESTING	3,500	3,034	694	3,728	-228	5.5" CSG INSPECTION
70077	WATER		9,725	0	9,725		
Total Intangible Cost		2,248,500	713,851	45,613	759,463	1,489,037	
71001	ARTIFICIAL LIFT	150,000	0	0	0	150,000	
71012	FLOWLINES TO BATTERY	25,000	0	0	0	25,000	
71032	OTHER SUBSURFACE EQUIPMENT	300,000	335,635	0	335,635	-35,635	
71033	OTHER SURFACE EQUIPMENT	30,000	0	0	0	30,000	
71036	PIPE, VALVES, FITTINGS	100,000	300	0	300	99,700	
71040	PRODUCTION CASING	135,000	115,514	0	115,514	19,486	
71053	TUBING	24,000	0	0	0	24,000	
71056	WELLHEAD ASSEMBLY	5,000	5,169	0	5,169	-169	
Total Tangible Cost		769,000	456,618		456,618	312,382	
Total:		3,017,500	1,170,469	45,613	1,216,081	1,801,419	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 05-31-2012
Operator APACHE CORPORATION	API 4210335938	GL 2,536.00	TMD 2,827.00	TVD 2,795.18	RKB/RT 2,547.00	Working Int % 100.00	Report No 33
Region PERMIAN	District NOTREES - TX CZ	License	Well Supervisor JOE BARRERA 806-781-4306			Engineer / Geologist PATRICK ROARK	
Field DUNE	State TEXAS	County CRANE	Event Code LCM	Event Type LAND-ORIG COMP		Objective	
RIG Name CAPSTAR / 119		RIG PHONE NO 281-532-5388		RIG Fax No		Tool Pusher LARRY VAN GILDER	
RIG Name CAPSTAR / 119		RIG PHONE NO		RIG Fax No		Tool Pusher	

AFE #: PA-11-0516-C		AFE Description:				
AFE Costs		Previous Day Cum	Daily Costs	Cumulative Cost	AFE Remaining	AFE %
3,017,500		1,216,081	134,214	1,350,295	1,667,205	44.75
Comment Summary		RUN CALIPER LOG TO 3210' ; BOP OPS ; RERUN CALIPER LOG ; WAIT ON FREE POIT TOOL ; RUN FREE POINT W/ CCL ; RUN 4.60 & 4.50 RING GUAGE ; N/D, SET SLIPS & CUT-OFF ; RIG RELEASED @ 22:00 ;R/D & PREP F/ MOVE MOVE & RIG UP ON JB TUBB AC 1 # 372				
24 HR Forecast						

## 24 HR Operational Comments

From	To	Duration	Operation Description
12:00AM	03:30AM	3.50	RUN 60 ARM CALIPER LOG TO 3210'
03:30AM	05:30AM	2.00	N/D BOP ; N/U BOP
05:30AM	07:00AM	1.50	R/U RENEGADE & RERUN 60 ARM CALIPER LOG
07:00AM	10:00AM	3.00	WAIT ON FREE POINT TOOL
10:00AM	05:00PM	7.00	RUN FREE POINT W/ CCL TO 3210' ; CSG 100% FREE @ 2800' ; 30% STUCK @ 3040' 60% STUCK @ 3065' ; 80% STUCK @ 3085' ; RUN 4.60" RING GUAGE TO DEPTH OF 2890' ; COULD NOT GO PAST 2890' ; RUN 4.50 RING GUAGE TO DEPTH OF 3210' ; R/D RENEGADE WIRELINE TRUCK
05:00PM	10:00PM	5.00	N/D BOP, SET SLIPS & CUT-OFF ; SET SLIPS W/ 70K TENSION ; N/U TBG HEAD & TEST SAME TO 4200 PSI ; OK
10:00PM	12:00AM	2.00	RIG RELEASED @ 22:00 ON 5-31-2012 RIG DOWN & PREP F/ RIG MOVE

## Remarks

RIG DOWN &amp; PREP F/ MOVE

## Directional Information

Initial Deviation 1,797	Max Dev 92.2deg at 5,804	Max Dogleg 12.8 deg at 3,075
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## Casing / Tubing Information

Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
CONDUCTOR	20.00	94	H-40	51.00			-2,496.00	
SURFACE	13.38	48	H-40	1,012.99			-1,534.12	
		0, 17	L80, L-80 KSI	2,920.03			317.41	
INTERMEDIATE 1	8.63	32, 0	J-55	2,999.99	850		374.10	
PACKER ASSEMBLY 1	5.50	17, 0	L80, N80 Sub, L80 EXR, L80 / 13%Cr	7,634.00			444.08	

## Personnel

Company Name	No of People	Hours Today	Cum / Event
CAPSTAR DRILLING Inc.	1	24.0	816.0
LEWIS CASING CREWS	0	20.0	706.0
JW MULLOYCONSULTING	1	24.0	336.0
SMITH INTERNATIONAL	0	24.0	336.0
CAPSTAR DRILLING Inc.	9	72.0	1,128.0
Total:	11	164.0	3,322.0

## Safety Drills

Rams	Annulars 750.00 (psi)	Casing 5/19/2012 / 1,000.00 (psi)	Last BOP Test 5/19/2012	Next BOP Test 6/2/2012
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## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## BULKS

Product		QTY					
		0.0					
DIESEL, RIG FUEL		2,431.0					
WATER, MUNICIPAL		1,320.0					
Daily Cost Detail							
Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000	
70004	CASING CREW	15,000	39,182	0	39,182	-24,182	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,584	0	3,584	16,416	
70011	COMPANY SUPERVISION	17,000	5,500	0	5,500	11,500	
70017	CONTRACT LABOR	65,000	190,971	14,000	204,971	-139,971	FISHING SERVICES
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	259,978	14,400	274,378	-146,378	CAPSTAR 119 / HRLY RATE
70021	CONTRACT SUPERVISION		34,000	1,700	35,700		JOE BARRERA
70025	DRILLING FLUIDS		14,937	0	14,937		DAILY MUD USAGE
70026			0	0	0		
70031	EQUIPMENT RENTAL			175			WATER/SEPTIC/SATELITE F/ TRAILER
70031	EQUIPMENT RENTAL			40			INTERCOM SYSTEM
70031	EQUIPMENT RENTAL	130,000	25,111	215	25,326	104,675	
70034	FORMATION STIMULATION	1,500,000	23,886	0	23,886	1,476,114	
70037	FUEL AND POWER		22,993	1,055	24,048		RIG FUEL
70049	LOGGING AND WIRELINE			30,430			WIRELINE TRUCK F/ CALIPER LOGS
70049	LOGGING AND WIRELINE			16,200			WIRELINE TRUCK F/ INSPECTION LOG
70049	LOGGING AND WIRELINE	65,000	48,923	46,630	95,553	-30,553	
70069	SNUBBING/COIL TUBING UNIT	150,000	62,400	0	62,400	87,600	
70074	TRUCKING AND HAULING			1,500			TRUKING COSTS F/ 5.5" CSG
70074	TRUCKING AND HAULING			1,500			FORKLIFT F/ 5.5" CSG
70074	TRUCKING AND HAULING	90,000	14,545	3,000	17,545	72,455	
70076	TUBULAR INSPECTION/TESTING	3,500	3,728	490	4,218	-718	DC INSPECTION
70077	WATER		9,725	0	9,725		
Total Intangible Cost		2,248,500	759,463	81,490	840,953	1,407,547	
71001	ARTIFICIAL LIFT	150,000	0	0	0	150,000	
71012	FLOWLINES TO BATTERY	25,000	0	0	0	25,000	
71032	OTHER SUBSURFACE EQUIPMENT	300,000	335,635	0	335,635	-35,635	
71033	OTHER SURFACE EQUIPMENT	30,000	0	0	0	30,000	
71036	PIPE, VALVES, FITTINGS	100,000	300	0	300	99,700	
71040	PRODUCTION CASING	135,000	115,514	46,489	162,003	-27,003	2922.03' OF 5.5" CSG
71053	TUBING	24,000	0	0	0	24,000	
71056	WELLHEAD ASSEMBLY			1,176			SLIPS & EQUIPMENT F/ WELL HEAD
71056	WELLHEAD ASSEMBLY			1,215			SLIP HAND FOR 5.5" SLIPS
71056	WELLHEAD ASSEMBLY			1,015			SLIP HAND F/ SLIPS
71056	WELLHEAD ASSEMBLY	5,000	5,169	3,406	8,575	-3,575	
71058	OTHER TANGIBLE			2,829			PORT COLLAR
Total Tangible Cost		769,000	456,618	52,724	509,342	259,658	
Total:		3,017,500	1,216,081	134,214	1,350,295	1,667,205	





## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 06-04-2012	
Operator APACHE CORPORATION		API 4210335938	GL 2,536.00	TMD 2,827.00	TVD	RKB/RT 2,547.00	Working Int % 100.00	Report No 34
Region PERMIAN		District NOTREES - TX CZ	License	Well Supervisor DANNY GALVAN		Engineer / Geologist PATRICK ROARK		
Field DUNE	State TEXAS	County CRANE	Event Code LCM	Event Type LAND-ORIG COMP		Objective		
RIG Name CAPSTAR / 119			RIG PHONE NO 281-532-5388		RIG Fax No		Tool Pusher LARRY VAN GILDER	
RIG Name CAPSTAR / 119			RIG PHONE NO		RIG Fax No		Tool Pusher	
AFE #: PA-11-0516-C AFE Description:								
AFE Costs 3,017,500		Previous Day Cum 1,356,994		Daily Costs 8,340	Cumulative Cost 1,365,334	AFE Remaining 1,652,166	AFE % 45.25	
Comment Summary 24 HR Forecast		MISURU ND WH NU BOP PU 5-1/2" RBP TIH W/ 57 PH-6 WS SDFN TIH W/ WS SET RBP @ 3250' TEST CSG 6000#						
Remarks								
MISURU ND WH NU BOP PU 5-1/2" RBP TIH W/ 57 PH-6 WS SDFN								
Directional Information								
Initial Deviation 1,797	Max Dev 92.2deg at 5,804			Max Dogleg 12.8 deg at 3,075				
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
CONDUCTOR	20.00	94	H-40	51.00			-2,496.00	
SURFACE	13.38	48	H-40	1,012.99			-1,534.12	
		0, 17	L80, L-80 KSI	2,920.03			317.41	
INTERMEDIATE 1	8.63	32, 0	J-55	2,999.99	850		374.10	
PACKER ASSEMBLY 1	5.50	17, 0	L80, N80 Sub, L80 EXR, L80 / 13%Cr	7,634.00			444.08	
Personnel								
Company Name	No of People	Hours Today	Cum / Event					
CAPSTAR DRILLING Inc.	9	72.0	960.0					
JW MULLOYCONSULTING	1	24.0	360.0					
Total:	10	96.0	1,320.0					
Safety Drills								
Rams	Annulars	Casing	Last BOP Test		Next BOP Test			
BULKS								
Product			QTY					
			0.0					
DIESEL, RIG FUEL			2,431.0					
WATER, MUNICIPAL			1,320.0					



## 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
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000	
70004	CASING CREW	15,000	39,182	0	39,182	-24,182	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,584	0	3,584	16,416	
70011	COMPANY SUPERVISION	17,000	5,500	500	6,000	11,000	GALVAN
70017	CONTRACT LABOR	65,000	204,971	1,700	206,671	-141,671	GLOBE PKR SER
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	274,378	2,740	277,118	-149,118	WTH
70021	CONTRACT SUPERVISION		35,700	0	35,700		
70025	DRILLING FLUIDS		14,937	0	14,937		
70026			0	0	0		
70031	EQUIPMENT RENTAL	130,000	25,326	2,000	27,326	102,675	CAGLE BOP, OD PIPE RENTAL
70034	FORMATION STIMULATION	1,500,000	23,886	0	23,886	1,476,114	
70037	FUEL AND POWER		24,048	0	24,048		
70049	LOGGING AND WIRELINE	65,000	102,252	0	102,252	-37,252	
70069	SNUBBING/COIL TUBING UNIT	150,000	62,400	0	62,400	87,600	
70074	TRUCKING AND HAULING	90,000	17,545	1,400	18,945	71,055	DIAMOND TNK RENTAL
70076	TUBULAR INSPECTION/TESTING	3,500	4,218	0	4,218	-718	
70077	WATER		9,725	0	9,725		
Total Intangible Cost		2,248,500	847,652	8,340	855,992	1,392,508	
71001	ARTIFICIAL LIFT	150,000	0	0	0	150,000	
71012	FLOWLINES TO BATTERY	25,000	0	0	0	25,000	
71032	OTHER SUBSURFACE EQUIPMENT	300,000	335,635	0	335,635	-35,635	
71033	OTHER SURFACE EQUIPMENT	30,000	0	0	0	30,000	
71036	PIPE, VALVES, FITTINGS	100,000	300	0	300	99,700	
71040	PRODUCTION CASING	135,000	162,003	0	162,003	-27,003	
71053	TUBING	24,000	0	0	0	24,000	
71056	WELLHEAD ASSEMBLY	5,000	8,575	0	8,575	-3,575	
71058	OTHER TANGIBLE		2,829	0	2,829		
Total Tangible Cost		769,000	509,342		509,342	259,658	
Total:		3,017,500	1,356,994	8,340	1,365,334	1,652,166	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 06-05-2012
Operator APACHE CORPORATION	API 4210335938	GL 2,536.00	TMD 2,827.00	TVD	RKB/RT 2,547.00	Working Int % 100.00	Report No 35
Region PERMIAN	District NOTREES - TX CZ	License	Well Supervisor DANNY GALVAN		Engineer / Geologist PATRICK ROARK		
Field DUNE	State TEXAS	County CRANE	Event Code LCM	Event Type LAND-ORIG COMP		Objective	
RIG Name CAPSTAR / 119		RIG PHONE NO 281-532-5388		RIG Fax No		Tool Pusher LARRY VAN GILDER	
RIG Name CAPSTAR / 119		RIG PHONE NO		RIG Fax No		Tool Pusher	

AFE #:	PA-11-0516-C	AFE Description:				
AFE Costs	Previous Day Cum	Daily Costs	Cumulative Cost	AFE Remaining	AFE %	
3,017,500	1,365,334	6,500	1,371,834	1,645,666	45.46	

Comment Summary	OPEN WELL O PSI TIH W/ 47 JTS 2-3/8" WS SET RBP @ 3252' TEST CSG @ 6K TEST GOOD RELEASE RBP PU IN VERTICAL SDFN
24 HR Forecast	POH LD WS & RBP RD MO

Remarks
OPEN WELL O PSI TIH W/ 47 JTS 2-3/8" WS SET RBP @ 3252' POH W/ TBG ND BOP NU WH TEST CSG @ 6K TEST GOOD HELD PSI FOR 15 MINS. RELEASE RBP PU IN VERTICAL LD 30 JTS WS SDFN

Directional Information		
Initial Deviation 1,797	Max Dev 92.2deg at 5,804	Max Dogleg 12.8 deg at 3,075

Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
CONDUCTOR	20.00	94	H-40	51.00			-2,496.00	
SURFACE	13.38	48	H-40	1,012.99			-1,534.12	
		0, 17	L80, L-80 KSI	2,920.03			317.41	
INTERMEDIATE 1	8.63	32, 0	J-55	2,999.99	850		374.10	
PACKER ASSEMBLY 1	5.50	17, 0	L80, N80 Sub, L80 EXR, L80 / 13%Cr	7,634.00			444.08	

Personnel			
Company Name	No of People	Hours Today	Cum / Event
JW MULLOYCONSULTING	1	24.0	384.0
CAPSTAR DRILLING Inc.	9	72.0	1,032.0
Total:	10	96.0	1,416.0

Safety Drills				
Rams	Annulars	Casing	Last BOP Test	Next BOP Test

BULKS	
Product	QTY
	0.0
DIESEL, RIG FUEL	2,431.0
WATER, MUNICIPAL	1,320.0



# APACHE CORPORATION

## Daily Land - Orig Comp Report

### Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000	
70004	CASING CREW	15,000	39,182	0	39,182	-24,182	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,584	0	3,584	16,416	
70011	COMPANY SUPERVISION	17,000	6,000	500	6,500	10,500	GALVAN
70017	CONTRACT LABOR	65,000	206,671	2,100	208,771	-143,771	GLOBE PKR SER,CAMPBELL TESTERS
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	277,118	3,900	281,018	-153,018	WTH
70021	CONTRACT SUPERVISION		35,700	0	35,700		
70025	DRILLING FLUIDS		14,937	0	14,937		
70026			0	0	0		
70031	EQUIPMENT RENTAL	130,000	27,326	0	27,326	102,675	
70034	FORMATION STIMULATION	1,500,000	23,886	0	23,886	1,476,114	
70037	FUEL AND POWER		24,048	0	24,048		
70049	LOGGING AND WIRELINE	65,000	102,252	0	102,252	-37,252	
70069	SNUBBING/COIL TUBING UNIT	150,000	62,400	0	62,400	87,600	
70074	TRUCKING AND HAULING	90,000	18,945	0	18,945	71,055	
70076	TUBULAR INSPECTION/TESTING	3,500	4,218	0	4,218	-718	
70077	WATER		9,725	0	9,725		
Total Intangible Cost		2,248,500	855,992	6,500	862,492	1,386,008	
71001	ARTIFICIAL LIFT	150,000	0	0	0	150,000	
71012	FLOWLINES TO BATTERY	25,000	0	0	0	25,000	
71032	OTHER SUBSURFACE EQUIPMENT	300,000	335,635	0	335,635	-35,635	
71033	OTHER SURFACE EQUIPMENT	30,000	0	0	0	30,000	
71036	PIPE, VALVES, FITTINGS	100,000	300	0	300	99,700	
71040	PRODUCTION CASING	135,000	162,003	0	162,003	-27,003	
71053	TUBING	24,000	0	0	0	24,000	
71056	WELLHEAD ASSEMBLY	5,000	8,575	0	8,575	-3,575	
71058	OTHER TANGIBLE		2,829	0	2,829		
Total Tangible Cost		769,000	509,342		509,342	259,658	
Total:		3,017,500	1,365,334	6,500	1,371,834	1,645,666	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 06-06-2012		
Operator APACHE CORPORATION		API 4210335938	GL 2,536.00	TMD 2,827.00	TVD	RKB/RT 2,547.00	Working Int % 100.00	Report No 36	
Region PERMIAN		District NOTREES - TX CZ		License		Well Supervisor DANNY GALVAN		Engineer / Geologist PATRICK ROARK	
Field DUNE		State TEXAS		County CRANE		Event Code LCM		Event Type LAND-ORIG COMP	Objective
RIG Name CAPSTAR / 119				RIG PHONE NO 281-532-5388		RIG Fax No		Tool Pusher LARRY VAN GILDER	
RIG Name CAPSTAR / 119				RIG PHONE NO		RIG Fax No		Tool Pusher	

AFE #:	PA-11-0516-C	AFE Description:				
AFE Costs	Previous Day Cum	Daily Costs	Cumulative Cost	AFE Remaining	AFE %	
3,017,500	1,371,834	7,711	1,379,545	1,637,955	45.72	

Comment Summary	OPEN WELL 0 PSI POH & LD WS RBP ND BOP NU WH RD MO
24 HR Forecast	WELL READY FOR FRAC

Remarks
OPEN WELL 0 PSI POH & LD WS RBP ND BOP NU WH RD MO

Directional Information		
Initial Deviation 1,797	Max Dev 92.2deg at 5,804	Max Dogleg 12.8 deg at 3,075

Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
CONDUCTOR	20.00	94	H-40	51.00			-2,496.00	
SURFACE	13.38	48	H-40	1,012.99			-1,534.12	
		0, 17	L80, L-80 KSI	2,920.03			317.41	
INTERMEDIATE 1	8.63	32, 0	J-55	2,999.99	850		374.10	
PACKER ASSEMBLY 1	5.50	17, 0	L80, N80 Sub, L80 EXR, L80 / 13%Cr	7,634.00			444.08	

Personnel			
Company Name	No of People	Hours Today	Cum / Event
CAPSTAR DRILLING Inc.	9	72.0	1,104.0
JW MULLOYCONSULTING	1	24.0	408.0
Total:	10	96.0	1,512.0

Safety Drills				
Rams	Annulars	Casing	Last BOP Test	Next BOP Test

BULKS	
Product	QTY
	0.0
DIESEL, RIG FUEL	2,431.0
WATER, MUNICIPAL	1,320.0



# APACHE CORPORATION

## Daily Land - Orig Comp Report

### Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000	
70004	CASING CREW	15,000	39,182	0	39,182	-24,182	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,584	0	3,584	16,416	
70011	COMPANY SUPERVISION	17,000	6,500	500	7,000	10,000	GALVAN
70017	CONTRACT LABOR	65,000	208,771	800	209,571	-144,571	GLOBE PKR SERV
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	281,018	1,933	282,951	-154,951	WTH
70021	CONTRACT SUPERVISION		35,700	0	35,700		
70025	DRILLING FLUIDS		14,937	0	14,937		
70026			0	0	0		
70031	EQUIPMENT RENTAL	130,000	27,326	3,078	30,404	99,597	OD WS
70034	FORMATION STIMULATION	1,500,000	23,886	0	23,886	1,476,114	
70037	FUEL AND POWER		24,048	0	24,048		
70049	LOGGING AND WIRELINE	65,000	102,252	0	102,252	-37,252	
70069	SNUBBING/COIL TUBING UNIT	150,000	62,400	0	62,400	87,600	
70074	TRUCKING AND HAULING	90,000	18,945	1,400	20,345	69,655	HOWARD CSG FRKLT,ONYX TRKG
70076	TUBULAR INSPECTION/TESTING	3,500	4,218	0	4,218	-718	
70077	WATER		9,725	0	9,725		
Total Intangible Cost		2,248,500	862,492	7,711	870,203	1,378,297	
71001	ARTIFICIAL LIFT	150,000	0	0	0	150,000	
71012	FLOWLINES TO BATTERY	25,000	0	0	0	25,000	
71032	OTHER SUBSURFACE EQUIPMENT	300,000	335,635	0	335,635	-35,635	
71033	OTHER SURFACE EQUIPMENT	30,000	0	0	0	30,000	
71036	PIPE, VALVES, FITTINGS	100,000	300	0	300	99,700	
71040	PRODUCTION CASING	135,000	162,003	0	162,003	-27,003	
71053	TUBING	24,000	0	0	0	24,000	
71056	WELLHEAD ASSEMBLY	5,000	8,575	0	8,575	-3,575	
71058	OTHER TANGIBLE		2,829	0	2,829		
Total Tangible Cost		769,000	509,342		509,342	259,658	
Total:		3,017,500	1,371,834	7,711	1,379,545	1,637,955	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 06-11-2012			
Operator APACHE CORPORATION		API 4210335938	GL 2,536.00	TMD 2,827.00	TVD	RKB/RT 2,547.00	Working Int % 100.00	Report No 37		
Region PERMIAN		District NOTREES - TX CZ		License		Well Supervisor DANNY GALVAN		Engineer / Geologist PATRICK ROARK		
Field DUNE		State TEXAS		County CRANE		Event Code LCM		Event Type LAND-ORIG COMP	Objective	
RIG Name CAPSTAR / 119				RIG PHONE NO 281-532-5388		RIG Fax No		Tool Pusher LARRY VAN GILDER		
RIG Name CAPSTAR / 119				RIG PHONE NO		RIG Fax No		Tool Pusher		
AFE #: PA-11-0516-C AFE Description:										
AFE Costs 3,017,500		Previous Day Cum 1,379,545		Daily Costs 20,500		Cumulative Cost 1,400,045		AFE Remaining 1,617,455		AFE % 46.40
Comment Summary 24 HR Forecast		ESATABLISH PM INN RATE @ 8 BPM-2100# PM 85 BBLS, ACIDIZE/FRAC STAGES 5, 6, 7, 8, 9 & 11 CONT ACIDIZING & FRACING.								
Remarks										
ESTABLISH PM INN RATE @ 8 BPM-2100# PM 85 BBLS LINEAR FLD, ACIDIZE/FRAC STAGES 5, 6, 7, 8, 9 & 11, ATTEMPTED TO ACIDIZE STAGE 10 ONLY PM 50 BBLS LINEAR FLD STAGE 11 BALL WAS DROPPED ACCIDENTLY. SWEECO HAD DOUBTS ABOUT STAGE 10 BALL DROPPING THEY REOPENED VALVE DROPPING STAGE 11.										
Directional Information										
Initial Deviation 1,797		Max Dev 92.2deg at 5,804		Max Dogleg 12.8 deg at 3,075						
Casing / Tubing Information										
Description		Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method	
CONDUCTOR		20.00	94	H-40	51.00			-2,496.00		
SURFACE		13.38	48	H-40	1,012.99			-1,534.12		
			0, 17	L80, L-80 KSI	2,920.03			317.41		
INTERMEDIATE 1		8.63	32, 0	J-55	2,999.99	850		374.10		
PACKER ASSEMBLY 1		5.50	17, 0	L80, N80 Sub, L80 EXR, L80 / 13%Cr	7,634.00			444.08		
Personnel										
Company Name		No of People	Hours Today	Cum / Event						
JW MULLOYCONSULTING		1	24.0	432.0						
CAPSTAR DRILLING Inc.		9	72.0	1,176.0						
Total:		10	96.0	1,608.0						
Safety Drills										
Rams		Annulars		Casing		Last BOP Test		Next BOP Test		
BULKS										
Product				QTY						
				0.0						
DIESEL, RIG FUEL				2,431.0						
WATER, MUNICIPAL				1,320.0						



## 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
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000	
70004	CASING CREW	15,000	39,182	0	39,182	-24,182	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,584	0	3,584	16,416	
70011	COMPANY SUPERVISION	17,000	7,000	500	7,500	9,500	GALVAN
70017	CONTRACT LABOR	65,000	209,571	0	209,571	-144,571	
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	282,951	0	282,951	-154,951	
70021	CONTRACT SUPERVISION		35,700	0	35,700		
70025	DRILLING FLUIDS		14,937	0	14,937		
70026			0	0	0		
70031	EQUIPMENT RENTAL	130,000	30,404	0	30,404	99,597	
70034	FORMATION STIMULATION	1,500,000	23,886	0	23,886	1,476,114	
70037	FUEL AND POWER		24,048	0	24,048		
70049	LOGGING AND WIRELINE	65,000	102,252	0	102,252	-37,252	
70069	SNUBBING/COIL TUBING UNIT	150,000	62,400	20,000	82,400	67,600	WARRIOR
70074	TRUCKING AND HAULING	90,000	20,345	0	20,345	69,655	
70076	TUBULAR INSPECTION/TESTING	3,500	4,218	0	4,218	-718	
70077	WATER		9,725	0	9,725		
Total Intangible Cost		2,248,500	870,203	20,500	890,703	1,357,797	
71001	ARTIFICIAL LIFT	150,000	0	0	0	150,000	
71012	FLOWLINES TO BATTERY	25,000	0	0	0	25,000	
71032	OTHER SUBSURFACE EQUIPMENT	300,000	335,635	0	335,635	-35,635	
71033	OTHER SURFACE EQUIPMENT	30,000	0	0	0	30,000	
71036	PIPE, VALVES, FITTINGS	100,000	300	0	300	99,700	
71040	PRODUCTION CASING	135,000	162,003	0	162,003	-27,003	
71053	TUBING	24,000	0	0	0	24,000	
71056	WELLHEAD ASSEMBLY	5,000	8,575	0	8,575	-3,575	
71058	OTHER TANGIBLE		2,829	0	2,829		
Total Tangible Cost		769,000	509,342		509,342	259,658	
Total:		3,017,500	1,379,545	20,500	1,400,045	1,617,455	





## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 06-12-2012	
Operator APACHE CORPORATION		API 4210335938	GL 2,536.00	TMD 2,827.00	TVD	RKB/RT 2,547.00	Working Int % 100.00	Report No 38
Region PERMIAN		District NOTREES - TX CZ		License		Well Supervisor DANNY GALVAN		Engineer / Geologist PATRICK ROARK
Field DUNE		State TEXAS		County CRANE		Event Code LCM		Event Type LAND-ORIG COMP
RIG Name CAPSTAR / 119		RIG PHONE NO 281-532-5388		RIG Fax No		Tool Pusher LARRY VAN GILDER		
RIG Name CAPSTAR / 119		RIG PHONE NO		RIG Fax No		Tool Pusher		

AFE #: PA-11-0516-C		AFE Description:									
AFE Costs 3,017,500		Previous Day Cum 1,400,045		Daily Costs 48,458		Cumulative Cost 1,448,503		AFE Remaining 1,568,997		AFE % 48.00	
Comment Summary		ACIDIZE/FAC STAGES 12, 13, ACIDIZE STAGE 14 & OPEN SLEEVES ONLY 15 & 16 RD C&J MIRU COIL PU 4 1/2" MILL ON 2" CT RIH DRL OUT 12 STAGES.									
24 HR Forecast		CONT DRL OUT OF 4 STAGES.									

Remarks	
ACIDIZE/FAC STAGES 12, 13, ACIDIZE STAGE 14 & OPEN SLEEVES ONLY 15 & 16 RD C&J MIRU COIL PU 4 1/2" MILL ON 2" CT RIH DRL OUT 12 STAGES.	

Directional Information			
Initial Deviation 1,797	Max Dev 92.2deg at 5,804		Max Dogleg 12.8 deg at 3,075

Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
CONDUCTOR	20.00	94	H-40	51.00			-2,496.00	
SURFACE	13.38	48	H-40	1,012.99			-1,534.12	
		0, 17	L80, L-80 KSI	2,920.03			317.41	
INTERMEDIATE 1	8.63	32, 0	J-55	2,999.99	850		374.10	
PACKER ASSEMBLY 1	5.50	17, 0	L80, N80 Sub, L80 EXR, L80 / 13%Cr	7,634.00			444.08	

Personnel			
Company Name	No of People	Hours Today	Cum / Event
JW MULLOYCONSULTING	1	24.0	456.0
CAPSTAR DRILLING Inc.	9	72.0	1,248.0
Total:	10	96.0	1,704.0

Safety Drills				
Rams	Annulars	Casing	Last BOP Test	Next BOP Test

BULKS	
Product	QTY
DIESEL, RIG FUEL	0.0
WATER, MUNICIPAL	2,431.0
	1,320.0



## 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
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000	
70004	CASING CREW	15,000	39,182	0	39,182	-24,182	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,584	0	3,584	16,416	
70007				15,901			BAKER
70011	COMPANY SUPERVISION	17,000	7,500	500	8,000	9,000	GALVAN
70017	CONTRACT LABOR	65,000	209,571	15,744	225,315	-160,315	PKR+,QC
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	282,951	0	282,951	-154,951	
70021	CONTRACT SUPERVISION		35,700	0	35,700		
70025	DRILLING FLUIDS		14,937	0	14,937		
70026			0	0	0		
70031	EQUIPMENT RENTAL	130,000	30,404	0	30,404	99,597	
70034	FORMATION STIMULATION	1,500,000	23,886	16,313	40,199	1,459,801	PROTECH,RWLS
70037	FUEL AND POWER		24,048	0	24,048		
70049	LOGGING AND WIRELINE	65,000	102,252	0	102,252	-37,252	
70069	SNUBBING/COIL TUBING UNIT	150,000	82,400	0	82,400	67,600	
70074	TRUCKING AND HAULING	90,000	20,345	0	20,345	69,655	
70076	TUBULAR INSPECTION/TESTING	3,500	4,218	0	4,218	-718	
70077	WATER		9,725	0	9,725		
Total Intangible Cost		2,248,500	890,703	48,458	939,161	1,309,339	
71001	ARTIFICIAL LIFT	150,000	0	0	0	150,000	
71012	FLOWLINES TO BATTERY	25,000	0	0	0	25,000	
71032	OTHER SUBSURFACE EQUIPMENT	300,000	335,635	0	335,635	-35,635	
71033	OTHER SURFACE EQUIPMENT	30,000	0	0	0	30,000	
71036	PIPE, VALVES, FITTINGS	100,000	300	0	300	99,700	
71040	PRODUCTION CASING	135,000	162,003	0	162,003	-27,003	
71053	TUBING	24,000	0	0	0	24,000	
71056	WELLHEAD ASSEMBLY	5,000	8,575	0	8,575	-3,575	
71058	OTHER TANGIBLE		2,829	0	2,829		
Total Tangible Cost		769,000	509,342		509,342	259,658	
Total:		3,017,500	1,400,045	48,458	1,448,503	1,568,997	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 06-13-2012	
Operator APACHE CORPORATION		API 4210335938	GL 2,536.00	TMD 2,827.00	TVD	RKB/RT 2,547.00	Working Int % 100.00	Report No 39
Region PERMIAN		District NOTREES - TX CZ	License	Well Supervisor DANNY GALVAN		Engineer / Geologist PATRICK ROARK		
Field DUNE	State TEXAS	County CRANE	Event Code LCM	Event Type LAND-ORIG COMP		Objective		
RIG Name CAPSTAR / 119			RIG PHONE NO 281-532-5388		RIG Fax No		Tool Pusher LARRY VAN GILDER	
RIG Name CAPSTAR / 119			RIG PHONE NO		RIG Fax No		Tool Pusher	
AFE #: PA-11-0516-C AFE Description:								
AFE Costs 3,017,500		Previous Day Cum 1,448,503		Daily Costs 114,800	Cumulative Cost 1,563,303	AFE Remaining 1,454,197	AFE % 51.81	
Comment Summary 24 HR Forecast		COMPLETE DRILLING OUT SEATS CIRC CLN POH RD CTU, SI WELL. RUN AFL FRIDAY.						
Remarks								
COMPLETE DRILLING OUT SEATS CIRC CLN POH RD CTU, SI WELL.								
Directional Information								
Initial Deviation 1,797	Max Dev 92.2deg at 5,804			Max Dogleg 12.8 deg at 3,075				
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
CONDUCTOR	20.00	94	H-40	51.00			-2,496.00	
SURFACE	13.38	48	H-40	1,012.99			-1,534.12	
		0, 17	L80, L-80 KSI	2,920.03			317.41	
INTERMEDIATE 1	8.63	32, 0	J-55	2,999.99	850		374.10	
PACKER ASSEMBLY 1	5.50	17, 0	L80, N80 Sub, L80 EXR, L80 / 13%Cr	7,634.00			444.08	
Personnel								
Company Name	No of People	Hours Today	Cum / Event					
JW MULLOYCONSULTING	1	24.0	480.0					
CAPSTAR DRILLING Inc.	9	72.0	1,320.0					
Total:	10	96.0	1,800.0					
Safety Drills								
Rams	Annulars	Casing	Last BOP Test		Next BOP Test			
BULKS								
Product			QTY					
			0.0					
DIESEL, RIG FUEL			2,431.0					
WATER, MUNICIPAL			1,320.0					



# APACHE CORPORATION

## Daily Land - Orig Comp Report

### Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000	
70004	CASING CREW	15,000	39,182	0	39,182	-24,182	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,584	0	3,584	16,416	
70007			15,901	0	15,901		
70011	COMPANY SUPERVISION	17,000	8,000	500	8,500	8,500	GALVAN
70017	CONTRACT LABOR	65,000	225,315	35,500	260,815	-195,815	BAKER,MMS
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	282,951	0	282,951	-154,951	
70021	CONTRACT SUPERVISION		35,700	0	35,700		
70025	DRILLING FLUIDS		14,937	0	14,937		
70026			0	0	0		
70031	EQUIPMENT RENTAL	130,000	30,404	0	30,404	99,597	
70034	FORMATION STIMULATION	1,500,000	40,199	0	40,199	1,459,801	
70037	FUEL AND POWER		24,048	0	24,048		
70049	LOGGING AND WIRELINE	65,000	102,252	0	102,252	-37,252	
70069	SNUBBING/COIL TUBING UNIT	150,000	82,400	78,800	161,200	-11,200	WARRIOR
70074	TRUCKING AND HAULING	90,000	20,345	0	20,345	69,655	
70076	TUBULAR INSPECTION/TESTING	3,500	4,218	0	4,218	-718	
70077	WATER		9,725	0	9,725		
Total Intangible Cost		2,248,500	939,161	114,800	1,053,961	1,194,539	
71001	ARTIFICIAL LIFT	150,000	0	0	0	150,000	
71012	FLOWLINES TO BATTERY	25,000	0	0	0	25,000	
71032	OTHER SUBSURFACE EQUIPMENT	300,000	335,635	0	335,635	-35,635	
71033	OTHER SURFACE EQUIPMENT	30,000	0	0	0	30,000	
71036	PIPE, VALVES, FITTINGS	100,000	300	0	300	99,700	
71040	PRODUCTION CASING	135,000	162,003	0	162,003	-27,003	
71053	TUBING	24,000	0	0	0	24,000	
71056	WELLHEAD ASSEMBLY	5,000	8,575	0	8,575	-3,575	
71058	OTHER TANGIBLE		2,829	0	2,829		
Total Tangible Cost		769,000	509,342		509,342	259,658	
Total:		3,017,500	1,448,503	114,800	1,563,303	1,454,197	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 07-02-2012
Operator APACHE CORPORATION	API 4210335938	GL 2,536.00	TMD 2,827.00	TVD	RKB/RT 2,547.00	Working Int % 100.00	Report No 40
Region PERMIAN	District NOTREES - TX CZ	License	Well Supervisor DANNY GALVAN			Engineer / Geologist PATRICK ROARK	
Field DUNE	State TEXAS	County CRANE	Event Code LCM	Event Type LAND-ORIG COMP		Objective	
RIG Name CAPSTAR / 119		RIG PHONE NO 281-532-5388		RIG Fax No		Tool Pusher LARRY VAN GILDER	
RIG Name CAPSTAR / 119		RIG PHONE NO		RIG Fax No		Tool Pusher	

AFE #:	PA-11-0516-C	AFE Description:					
AFE Costs 3,017,500	Previous Day Cum 1,579,498	Daily Costs 28,039	Cumulative Cost 1,607,537	AFE Remaining 1,409,963	AFE % 53.27		

Comment Summary 24 HR Forecast	MISURU ND FRAC VALVE NU BOP UNLOAD 2-7/8" NYLON CTD TBG SDFN RU RGWLS RUN GYRO
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Remarks
MISURU 25# CSG PSI BLEED OFF PSI ND FRAC VALVE NU BOP UNLOAD 2-7/8" NYLON CTD TBG SDFN.

Actual Perforations						
Date	Zone	From	To	JSPF	Report Date	
05/01/2012	GRAYBURG	6,932	6,932.00	0	05/01/2012	
05/01/2012	GRAYBURG	6,655	6,655.00	0	05/01/2012	
05/01/2012	GRAYBURG	7,513	7,513.00	0	05/01/2012	
05/01/2012	GRAYBURG	7,216	7,216.00	0	05/01/2012	
		0	0.00	0	06/11/2012	
06/11/2012	GRAYBURG	6,097	6,097.00	0	06/11/2012	
06/11/2012	GRAYBURG	6,377	6,377.00	0	06/11/2012	
06/11/2012	GRAYBURG	5,529	5,529.00	0	06/11/2012	
06/11/2012	GRAYBURG	5,248	5,248.00	0	06/11/2012	
06/11/2012	GRAYBURG	4,967	4,967.00	0	06/11/2012	
06/11/2012	GRAYBURG	4,682	4,682.00	0	06/11/2012	
06/11/2012	GRAYBURG	5,813	5,813.00	0	06/11/2012	
06/12/2012	GRAYBURG	4,113	4,113.00	0	06/12/2012	
06/12/2012	GRAYBURG	4,398	4,398.00	0	06/12/2012	

Directional Information			
Initial Deviation 1,797	Max Dev 92.2deg at 5,804	Max Dogleg 12.8 deg at 3,075	

Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
CONDUCTOR	20.00	94	H-40	51.00			-2,496.00	
SURFACE	13.38	48	H-40	1,012.99			-1,534.12	
		0, 17	L80, L-80 KSI	2,920.03			317.41	
INTERMEDIATE 1	8.63	32, 0	J-55	2,999.99	850		374.10	
PACKER ASSEMBLY 1	5.50	17, 0	L80, N80 Sub, L80 EXR, L80 / 13%Cr	7,634.00			444.08	

Personnel			
Company Name	No of People	Hours Today	Cum / Event
CAPSTAR DRILLING Inc.	9	72.0	1,392.0
JW MULLOYCONSULTING	1	24.0	504.0
Total:	10	96.0	1,896.0

Safety Drills				
Rams	Annulars	Casing	Last BOP Test	Next BOP Test



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## BULKS

Product	QTY
	0.0
DIESEL, RIG FUEL	2,431.0
WATER, MUNICIPAL	1,320.0

## Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000	
70004	CASING CREW	15,000	39,182	0	39,182	-24,182	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,584	0	3,584	16,416	
70007			15,901	0	15,901		
70011	COMPANY SUPERVISION	17,000	8,500	500	9,000	8,000	GALVAN
70017	CONTRACT LABOR	65,000	262,265	0	262,265	-197,265	
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	281,525	2,300	283,825	-155,825	WTH WS
70021	CONTRACT SUPERVISION		35,700	0	35,700		
70025	DRILLING FLUIDS		14,937	0	14,937		
70026			0	0	0		
70031	EQUIPMENT RENTAL	130,000	34,904	950	35,854	94,147	CAGLE BOP
70034	FORMATION STIMULATION	1,500,000	40,199	0	40,199	1,459,801	
70037	FUEL AND POWER		24,048	0	24,048		
70049	LOGGING AND WIRELINE	65,000	103,189	0	103,189	-38,189	
70069	SNUBBING/COIL TUBING UNIT	150,000	161,200	0	161,200	-11,200	
70074	TRUCKING AND HAULING	90,000	31,079	1,200	32,279	57,721	ONYX TRKG/FRKLT
70076	TUBULAR INSPECTION/TESTING	3,500	4,218	0	4,218	-718	
70077	WATER		9,725	0	9,725		
Total Intangible Cost		2,248,500	1,070,156	4,950	1,075,106	1,173,394	
71001	ARTIFICIAL LIFT	150,000	0	0	0	150,000	
71012	FLOWLINES TO BATTERY	25,000	0	0	0	25,000	
71032	OTHER SUBSURFACE EQUIPMENT	300,000	335,635	0	335,635	-35,635	
71033	OTHER SURFACE EQUIPMENT	30,000	0	0	0	30,000	
71036	PIPE, VALVES, FITTINGS	100,000	300	0	300	99,700	
71040	PRODUCTION CASING	135,000	162,003	0	162,003	-27,003	
71053	TUBING	24,000	0	23,089	23,089	911	PERMIAN ENTERPRISES
71056	WELLHEAD ASSEMBLY	5,000	8,575	0	8,575	-3,575	
71058	OTHER TANGIBLE		2,829	0	2,829		
Total Tangible Cost		769,000	509,342	23,089	532,431	236,569	
Total:		3,017,500	1,579,498	28,039	1,607,537	1,409,963	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 07-03-2012	
Operator APACHE CORPORATION		API 4210335938	GL 2,536.00	TMD 2,827.00	TVD	RKB/RT 2,547.00	Working Int % 100.00	Report No 41
Region PERMIAN		District NOTREES - TX CZ	License		Well Supervisor DANNY GALVAN / HARRISON HARVEY		Engineer / Geologist PATRICK ROARK	
Field DUNE		State TEXAS		County CRANE	Event Code LCM	Event Type LAND-ORIG COMP		Objective
RIG Name CAPSTAR / 119			RIG PHONE NO 281-532-5388		RIG Fax No		Tool Pusher LARRY VAN GILDER	
RIG Name CAPSTAR / 119			RIG PHONE NO		RIG Fax No		Tool Pusher	

AFE #:	PA-11-0516-C	AFE Description:				
AFE Costs	Previous Day Cum	Daily Costs	Cumulative Cost	AFE Remaining	AFE %	
3,017,500	1,607,537	11,403	1,618,940	1,398,560	53.65	

Comment Summary	OPEN WELL 0 PSI RU RGWLS PU GYRO RIH TO 3260' & LOG TO SURFACE RD RGWLS SI WELL
24 HR Forecast	ELVALUATE LOG RIH W/ ESP EQUIP

Remarks
OPEN WELL 0 PSI RU RGWLS PU GYRO RIH TO 3260' & LOG TO SURFACE RD RGWLS SI WELL SDFN.

Actual Perforations						
Date	Zone	From	To	JSPF	Report Date	
05/01/2012	GRAYBURG	6,932	6,932.00	0	05/01/2012	
05/01/2012	GRAYBURG	6,655	6,655.00	0	05/01/2012	
05/01/2012	GRAYBURG	7,513	7,513.00	0	05/01/2012	
05/01/2012	GRAYBURG	7,216	7,216.00	0	05/01/2012	
		0	0.00	0	06/11/2012	
06/11/2012	GRAYBURG	6,097	6,097.00	0	06/11/2012	
06/11/2012	GRAYBURG	6,377	6,377.00	0	06/11/2012	
06/11/2012	GRAYBURG	5,529	5,529.00	0	06/11/2012	
06/11/2012	GRAYBURG	5,248	5,248.00	0	06/11/2012	
06/11/2012	GRAYBURG	4,967	4,967.00	0	06/11/2012	
06/11/2012	GRAYBURG	4,682	4,682.00	0	06/11/2012	
06/11/2012	GRAYBURG	5,813	5,813.00	0	06/11/2012	
06/12/2012	GRAYBURG	4,113	4,113.00	0	06/12/2012	
06/12/2012	GRAYBURG	4,398	4,398.00	0	06/12/2012	

Directional Information			
Initial Deviation	Max Dev	Max Dogleg	
1,797	92.2deg at 5,804	12.8 deg at 3,075	

Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
CONDUCTOR	20.00	94	H-40	51.00			-2,496.00	
SURFACE	13.38	48	H-40	1,012.99			-1,534.12	
		0, 17	L80, L-80 KSI	2,920.03			317.41	
INTERMEDIATE 1	8.63	32, 0	J-55	2,999.99	850		374.10	
PACKER ASSEMBLY 1	5.50	17, 0	L80, N80 Sub, L80 EXR, L80 / 13%Cr	7,634.00			444.08	

Personnel			
Company Name	No of People	Hours Today	Cum / Event
JW MULLOYCONSULTING	1	24.0	528.0
CAPSTAR DRILLING Inc.	9	72.0	1,464.0
Total:	10	96.0	1,992.0

Safety Drills				
Rams	Annulars	Casing	Last BOP Test	Next BOP Test



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## BULKS

Product	QTY
	0.0
DIESEL, RIG FUEL	2,431.0
WATER, MUNICIPAL	1,320.0

## Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000	
70004	CASING CREW	15,000	39,182	0	39,182	-24,182	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,584	0	3,584	16,416	
70007			15,901	0	15,901		
70011	COMPANY SUPERVISION	17,000	9,000	500	9,500	7,500	GALVAN
70017	CONTRACT LABOR	65,000	262,265	0	262,265	-197,265	
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	283,825	2,423	286,248	-158,248	WTH WS
70021	CONTRACT SUPERVISION		35,700	0	35,700		
70025	DRILLING FLUIDS		14,937	0	14,937		
70026			0	0	0		
70031	EQUIPMENT RENTAL	130,000	35,854	0	35,854	94,147	
70034	FORMATION STIMULATION	1,500,000	40,199	0	40,199	1,459,801	
70037	FUEL AND POWER		24,048	0	24,048		
70049	LOGGING AND WIRELINE	65,000	103,189	7,195	110,384	-45,384	RGWLS,SCIENTIFIC DRLG
70069	SNUBBING/COIL TUBING UNIT	150,000	161,200	0	161,200	-11,200	
70074	TRUCKING AND HAULING	90,000	32,279	1,285	33,564	56,436	BASIC PMP TRK,VAC TRK
70076	TUBULAR INSPECTION/TESTING	3,500	4,218	0	4,218	-718	
70077	WATER		9,725	0	9,725		
Total Intangible Cost		2,248,500	1,075,106	11,403	1,086,509	1,161,991	
71001	ARTIFICIAL LIFT	150,000	0	0	0	150,000	
71012	FLOWLINES TO BATTERY	25,000	0	0	0	25,000	
71032	OTHER SUBSURFACE EQUIPMENT	300,000	335,635	0	335,635	-35,635	
71033	OTHER SURFACE EQUIPMENT	30,000	0	0	0	30,000	
71036	PIPE, VALVES, FITTINGS	100,000	300	0	300	99,700	
71040	PRODUCTION CASING	135,000	162,003	0	162,003	-27,003	
71053	TUBING	24,000	23,089	0	23,089	911	
71056	WELLHEAD ASSEMBLY	5,000	8,575	0	8,575	-3,575	
71058	OTHER TANGIBLE		2,829	0	2,829		
Total Tangible Cost		769,000	532,431		532,431	236,569	
Total:		3,017,500	1,607,537	11,403	1,618,940	1,398,560	





## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 07-05-2012		
Operator APACHE CORPORATION		API 4210335938	GL 2,536.00	TMD 2,827.00	TVD	RKB/RT 2,547.00	Working Int % 100.00	Report No 42	
Region PERMIAN		District NOTREES - TX CZ		License		Well Supervisor DANNY GALVAN / HARRISON HARVEY		Engineer / Geologist PATRICK ROARK	
Field DUNE		State TEXAS		County CRANE		Event Code LCM		Event Type LAND-ORIG COMP	Objective
RIG Name CAPSTAR / 119				RIG PHONE NO 281-532-5388		RIG Fax No		Tool Pusher LARRY VAN GILDER	
RIG Name CAPSTAR / 119				RIG PHONE NO		RIG Fax No		Tool Pusher	

AFE #:	PA-11-0516-C	AFE Description:					
AFE Costs 3,017,500	Previous Day Cum 1,618,940	Daily Costs 2,353	Cumulative Cost 1,621,293	AFE Remaining 1,396,207	AFE % 53.73		

Comment Summary	OPEN WELL 0 PSI STAND BY SI WELL RDMO
24 HR Forecast	TURN WELL OVER TO DRLG TO PULL TENSION ON CSG & RERUN GYRO

Remarks
OPEN WELL 0 PSI STAND BY SI WELL RDMO

Actual Perforations						
Date	Zone	From	To	JSPF	Report Date	
05/01/2012	GRAYBURG	6,932	6,932.00	0	05/01/2012	
05/01/2012	GRAYBURG	6,655	6,655.00	0	05/01/2012	
05/01/2012	GRAYBURG	7,513	7,513.00	0	05/01/2012	
05/01/2012	GRAYBURG	7,216	7,216.00	0	05/01/2012	
		0	0.00	0	06/11/2012	
06/11/2012	GRAYBURG	6,097	6,097.00	0	06/11/2012	
06/11/2012	GRAYBURG	6,377	6,377.00	0	06/11/2012	
06/11/2012	GRAYBURG	5,529	5,529.00	0	06/11/2012	
06/11/2012	GRAYBURG	5,248	5,248.00	0	06/11/2012	
06/11/2012	GRAYBURG	4,967	4,967.00	0	06/11/2012	
06/11/2012	GRAYBURG	4,682	4,682.00	0	06/11/2012	
06/11/2012	GRAYBURG	5,813	5,813.00	0	06/11/2012	
06/12/2012	GRAYBURG	4,113	4,113.00	0	06/12/2012	
06/12/2012	GRAYBURG	4,398	4,398.00	0	06/12/2012	

Directional Information			
Initial Deviation 1,797	Max Dev 92.2deg at 5,804	Max Dogleg 12.8 deg at 3,075	

Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
CONDUCTOR	20.00	94	H-40	51.00			-2,496.00	
SURFACE	13.38	48	H-40	1,012.99			-1,534.12	
		0, 17	L80, L-80 KSI	2,920.03			317.41	
INTERMEDIATE 1	8.63	32, 0	J-55	2,999.99	850		374.10	
PACKER ASSEMBLY 1	5.50	17, 0	L80, N80 Sub, L80 EXR, L80 / 13%Cr	7,634.00			444.08	

Personnel			
Company Name	No of People	Hours Today	Cum / Event
CAPSTAR DRILLING Inc.	9	72.0	1,536.0
JW MULLOYCONSULTING	1	24.0	552.0
Total:	10	96.0	2,088.0

Safety Drills				
Rams	Annulars	Casing	Last BOP Test	Next BOP Test



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## BULKS

Product	QTY
	0.0
DIESEL, RIG FUEL	2,431.0
WATER, MUNICIPAL	1,320.0

## Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000	
70004	CASING CREW	15,000	39,182	0	39,182	-24,182	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,584	0	3,584	16,416	
70007			15,901	0	15,901		
70011	COMPANY SUPERVISION	17,000	9,500	500	10,000	7,000	GALVAN
70017	CONTRACT LABOR	65,000	262,265	0	262,265	-197,265	
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	286,248	1,853	288,101	-160,101	WTH WS
70021	CONTRACT SUPERVISION		35,700	0	35,700		
70025	DRILLING FLUIDS		14,937	0	14,937		
70026			0	0	0		
70031	EQUIPMENT RENTAL	130,000	35,854	0	35,854	94,147	
70034	FORMATION STIMULATION	1,500,000	40,199	0	40,199	1,459,801	
70037	FUEL AND POWER		24,048	0	24,048		
70049	LOGGING AND WIRELINE	65,000	110,384	0	110,384	-45,384	
70069	SNUBBING/COIL TUBING UNIT	150,000	161,200	0	161,200	-11,200	
70074	TRUCKING AND HAULING	90,000	33,564	0	33,564	56,436	
70076	TUBULAR INSPECTION/TESTING	3,500	4,218	0	4,218	-718	
70077	WATER		9,725	0	9,725		
Total Intangible Cost		2,248,500	1,086,509	2,353	1,088,862	1,159,638	
71001	ARTIFICIAL LIFT	150,000	0	0	0	150,000	
71012	FLOWLINES TO BATTERY	25,000	0	0	0	25,000	
71032	OTHER SUBSURFACE EQUIPMENT	300,000	335,635	0	335,635	-35,635	
71033	OTHER SURFACE EQUIPMENT	30,000	0	0	0	30,000	
71036	PIPE, VALVES, FITTINGS	100,000	300	0	300	99,700	
71040	PRODUCTION CASING	135,000	162,003	0	162,003	-27,003	
71053	TUBING	24,000	23,089	0	23,089	911	
71056	WELLHEAD ASSEMBLY	5,000	8,575	0	8,575	-3,575	
71058	OTHER TANGIBLE		2,829	0	2,829		
Total Tangible Cost		769,000	532,431		532,431	236,569	
Total:		3,017,500	1,618,940	2,353	1,621,293	1,396,207	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 07-26-2012	
Operator APACHE CORPORATION		API 4210335938	GL 2,536.00	TMD 2,827.00	TVD	RKB/RT 2,547.00	Working Int % 100.00	Report No 43
Region PERMIAN		District NOTREES - TX CZ		License		Well Supervisor DANNY GALVAN / HARRISON HARVEY		Engineer / Geologist PATRICK ROARK
Field DUNE		State TEXAS		County CRANE		Event Code LCM		Event Type LAND-ORIG COMP
Objective		RIG Name CAPSTAR / 119		RIG PHONE NO 281-532-5388		RIG Fax No		Tool Pusher LARRY VAN GILDER
RIG Name CAPSTAR / 119		RIG PHONE NO		RIG Fax No		Tool Pusher		
AFE #: PA-11-0516-C AFE Description:								
AFE Costs 3,017,500		Previous Day Cum 1,621,293		Daily Costs 5,655		Cumulative Cost 1,626,948		AFE Remaining 1,390,552
AFE % 53.92								
Comment Summary 24 HR Forecast		MIRUPU,PU BP AND RIH WITH 10 JTS AND SET, LD TUBING AND ND BOP AND WH RIH WITH SPEAR PULL TENSION SET NEW SLIPS AND RIH WITH GYRO						
Actual Perforations								
Date	Zone	From	To	JSPF	Report Date			
05/01/2012	GRAYBURG	6,932	6,932.00	0	05/01/2012			
05/01/2012	GRAYBURG	6,655	6,655.00	0	05/01/2012			
05/01/2012	GRAYBURG	7,513	7,513.00	0	05/01/2012			
05/01/2012	GRAYBURG	7,216	7,216.00	0	05/01/2012			
		0	0.00	0	06/11/2012			
06/11/2012	GRAYBURG	6,097	6,097.00	0	06/11/2012			
06/11/2012	GRAYBURG	6,377	6,377.00	0	06/11/2012			
06/11/2012	GRAYBURG	5,529	5,529.00	0	06/11/2012			
06/11/2012	GRAYBURG	5,248	5,248.00	0	06/11/2012			
06/11/2012	GRAYBURG	4,967	4,967.00	0	06/11/2012			
06/11/2012	GRAYBURG	4,682	4,682.00	0	06/11/2012			
06/11/2012	GRAYBURG	5,813	5,813.00	0	06/11/2012			
06/12/2012	GRAYBURG	4,113	4,113.00	0	06/12/2012			
06/12/2012	GRAYBURG	4,398	4,398.00	0	06/12/2012			
Directional Information								
Initial Deviation 1,797		Max Dev 92.2deg at 5,804		Max Dogleg 12.8 deg at 3,075				
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
CONDUCTOR	20.00	94	H-40	51.00			-2,496.00	
SURFACE	13.38	48	H-40	1,012.99			-1,534.12	
		0, 17	L80, L-80 KSI	2,920.03			317.41	
INTERMEDIATE 1	8.63	32, 0	J-55	2,999.99	850		374.10	
PACKER ASSEMBLY 2	5.50	17, 0	L80, N80 Sub, L-80 KSI, L80 EXR, L80 / 13%Cr	7,620.00			444.22	
PACKER ASSEMBLY 1	5.50	17, 0	L80, N80 Sub, L80 EXR, L80 / 13%Cr	7,634.00			444.08	
Personnel								
Company Name	No of People	Hours Today	Cum / Event					
JW MULLOYCONSULTING	1	24.0	576.0					
CAPSTAR DRILLING Inc.	9	72.0	1,608.0					
Total:	10	96.0	2,184.0					
Safety Drills								
Rams	Annulars	Casing	Last BOP Test	Next BOP Test				
BULKS								
Product				QTY				
				0.0				
DIESEL, RIG FUEL				2,431.0				
WATER, MUNICIPAL				1,320.0				



## 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
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000	
70004	CASING CREW	15,000	39,182	0	39,182	-24,182	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,584	0	3,584	16,416	
70007			15,901	0	15,901		
70011	COMPANY SUPERVISION	17,000	10,000	960	10,960	6,040	LJR CONSULTING
70017	CONTRACT LABOR	65,000	262,265	2,175	264,440	-199,440	WM OIL TOOLS
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	288,101	2,520	290,621	-162,621	GWS
70021	CONTRACT SUPERVISION		35,700	0	35,700		
70025	DRILLING FLUIDS		14,937	0	14,937		
70026			0	0	0		
70031	EQUIPMENT RENTAL	130,000	35,854	0	35,854	94,147	
70034	FORMATION STIMULATION	1,500,000	40,199	0	40,199	1,459,801	
70037	FUEL AND POWER		24,048	0	24,048		
70049	LOGGING AND WIRELINE	65,000	110,384	0	110,384	-45,384	
70069	SNUBBING/COIL TUBING UNIT	150,000	161,200	0	161,200	-11,200	
70074	TRUCKING AND HAULING	90,000	33,564	0	33,564	56,436	
70076	TUBULAR INSPECTION/TESTING	3,500	4,218	0	4,218	-718	
70077	WATER		9,725	0	9,725		
Total Intangible Cost		2,248,500	1,088,862	5,655	1,094,517	1,153,983	
71001	ARTIFICIAL LIFT	150,000	0	0	0	150,000	
71012	FLOWLINES TO BATTERY	25,000	0	0	0	25,000	
71032	OTHER SUBSURFACE EQUIPMENT	300,000	335,635	0	335,635	-35,635	
71033	OTHER SURFACE EQUIPMENT	30,000	0	0	0	30,000	
71036	PIPE, VALVES, FITTINGS	100,000	300	0	300	99,700	
71040	PRODUCTION CASING	135,000	162,003	0	162,003	-27,003	
71053	TUBING	24,000	23,089	0	23,089	911	
71056	WELLHEAD ASSEMBLY	5,000	8,575	0	8,575	-3,575	
71058	OTHER TANGIBLE		2,829	0	2,829		
Total Tangible Cost		769,000	532,431		532,431	236,569	
Total:		3,017,500	1,621,293	5,655	1,626,948	1,390,552	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 09-21-2012	
Operator APACHE CORPORATION		API 4210335938	GL 2,536.00	TMD 7,380.00	TVD	RKB/RT 2,547.00	Working Int % 100.00	Report No 46
Region PERMIAN		District NOTREES - TX CZ		License		Well Supervisor DANNY GALVAN		Engineer / Geologist PATRICK ROARK
Field DUNE		State TEXAS		County CRANE		Event Code LCM		Event Type LAND-ORIG COMP
RIG Name				RIG PHONE NO		RIG Fax No		Tool Pusher

AFE #:	PA-11-0516-C	AFE Description:	
AFE Costs	Previous Day Cum	Daily Costs	Cumulative Cost
3,017,500	1,626,948		
AFE Remaining		AFE %	

Comment Summary	12 BO X 227 BLW (15,270 BLWTR) X 12 MCF X 12 HRS X TP 50# X CP 30#
24 HR Forecast	MONITOR WELL TEST & FLD LEVELS

## Actual Perforations

Date	Zone	From	To	JSPF	Report Date
05/01/2012	GRAYBURG	6,932	6,932.00	0	05/01/2012
05/01/2012	GRAYBURG	6,655	6,655.00	0	05/01/2012
05/01/2012	GRAYBURG	7,513	7,513.00	0	05/01/2012
05/01/2012	GRAYBURG	7,216	7,216.00	0	05/01/2012
		0	0.00	0	06/11/2012
06/11/2012	GRAYBURG	6,097	6,097.00	0	06/11/2012
06/11/2012	GRAYBURG	6,377	6,377.00	0	06/11/2012
06/11/2012	GRAYBURG	5,529	5,529.00	0	06/11/2012
06/11/2012	GRAYBURG	5,248	5,248.00	0	06/11/2012
06/11/2012	GRAYBURG	4,967	4,967.00	0	06/11/2012
06/11/2012	GRAYBURG	4,682	4,682.00	0	06/11/2012
06/11/2012	GRAYBURG	5,813	5,813.00	0	06/11/2012
06/12/2012	GRAYBURG	4,113	4,113.00	0	06/12/2012
06/12/2012	GRAYBURG	4,398	4,398.00	0	06/12/2012

## Directional Information

Initial Deviation	Max Dev	Max Dogleg
1,797	92.2deg at 5,804	12.8 deg at 3,075

## Casing / Tubing Information

Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
CONDUCTOR	20.00	94	H-40	51.00			-2,496.00	
SURFACE	13.38	48	H-40	1,012.99			-1,534.12	
		0, 17	L80, L-80 KSI	2,920.03			317.41	
INTERMEDIATE 1	8.63	32, 0	J-55	2,999.99	850		374.10	
PACKER ASSEMBLY 2	5.50	17, 0	L80, N80 Sub, L-80 KSI, L80 EXR, L80 / 13%C	7,620.00			444.22	
PACKER ASSEMBLY 1	5.50	17, 0	L80, N80 Sub, L80 EXR, L80 / 13%Cr	7,634.00			444.08	

## Safety Drills

Rams	Annulars	Casing	Last BOP Test	Next BOP Test
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## BULKS

Product	QTY
	0.0
DIESEL, RIG FUEL	2,431.0
WATER, MUNICIPAL	1,320.0



## 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
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000	
70004	CASING CREW	15,000	39,182	0	39,182	-24,182	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,584	0	3,584	16,416	
70007			15,901	0	15,901		
70011	COMPANY SUPERVISION	17,000	10,960	0	10,960	6,040	
70017	CONTRACT LABOR	65,000	264,440	0	264,440	-199,440	
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	290,621	0	290,621	-162,621	
70021	CONTRACT SUPERVISION		35,700	0	35,700		
70025	DRILLING FLUIDS		14,937	0	14,937		
70026			0	0	0		
70031	EQUIPMENT RENTAL	130,000	35,854	0	35,854	94,147	
70034	FORMATION STIMULATION	1,500,000	40,199	0	40,199	1,459,801	
70037	FUEL AND POWER		24,048	0	24,048		
70049	LOGGING AND WIRELINE	65,000	110,384	0	110,384	-45,384	
70069	SNUBBING/COIL TUBING UNIT	150,000	161,200	0	161,200	-11,200	
70074	TRUCKING AND HAULING	90,000	33,564	0	33,564	56,436	
70076	TUBULAR INSPECTION/TESTING	3,500	4,218	0	4,218	-718	
70077	WATER		9,725	0	9,725		
Total Intangible Cost		2,248,500	1,094,517		1,094,517	1,153,983	
71001	ARTIFICIAL LIFT	150,000	0	0	0	150,000	
71012	FLOWLINES TO BATTERY	25,000	0	0	0	25,000	
71032	OTHER SUBSURFACE EQUIPMENT	300,000	335,635	0	335,635	-35,635	
71033	OTHER SURFACE EQUIPMENT	30,000	0	0	0	30,000	
71036	PIPE, VALVES, FITTINGS	100,000	300	0	300	99,700	
71040	PRODUCTION CASING	135,000	162,003	0	162,003	-27,003	
71053	TUBING	24,000	23,089	0	23,089	911	
71056	WELLHEAD ASSEMBLY	5,000	8,575	0	8,575	-3,575	
71058	OTHER TANGIBLE		2,829	0	2,829		
Total Tangible Cost		769,000	532,431		532,431	236,569	
Total:		3,017,500	1,626,948		1,626,948		



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 1H							DATE 09-24-2012
Operator APACHE CORPORATION	API 4210335938	GL 2,536.00	TMD 7,380.00	TVD	RKB/RT 2,547.00	Working Int % 100.00	Report No 49
Region PERMIAN	District NOTREES - TX CZ	License	Well Supervisor DANNY GALVAN			Engineer / Geologist PATRICK ROARK	
Field DUNE	State TEXAS	County CRANE	Event Code LCM	Event Type LAND-ORIG COMP		Objective	
RIG Name		RIG PHONE NO		RIG Fax No		Tool Pusher	

AFE #:	PA-11-0516-C	AFE Description:					
AFE Costs 3,017,500	Previous Day Cum 1,626,948	Daily Costs	Cumulative Cost	AFE Remaining	AFE %		

Comment Summary	72 BO X 467 BLW (13863 BLWTR) X 146 MCF X 24 HRS X TP 50# X CP 40#
24 HR Forecast	MONITOR WELL TEST & FLAP

## Actual Perforations

Date	Zone	From	To	JSPF	Report Date
05/01/2012	GRAYBURG	6,932	6,932.00	0	05/01/2012
05/01/2012	GRAYBURG	6,655	6,655.00	0	05/01/2012
05/01/2012	GRAYBURG	7,513	7,513.00	0	05/01/2012
05/01/2012	GRAYBURG	7,216	7,216.00	0	05/01/2012
		0	0.00	0	06/11/2012
06/11/2012	GRAYBURG	6,097	6,097.00	0	06/11/2012
06/11/2012	GRAYBURG	6,377	6,377.00	0	06/11/2012
06/11/2012	GRAYBURG	5,529	5,529.00	0	06/11/2012
06/11/2012	GRAYBURG	5,248	5,248.00	0	06/11/2012
06/11/2012	GRAYBURG	4,967	4,967.00	0	06/11/2012
06/11/2012	GRAYBURG	4,682	4,682.00	0	06/11/2012
06/11/2012	GRAYBURG	5,813	5,813.00	0	06/11/2012
06/12/2012	GRAYBURG	4,113	4,113.00	0	06/12/2012
06/12/2012	GRAYBURG	4,398	4,398.00	0	06/12/2012

## Directional Information

Initial Deviation 1,797	Max Dev 92.2deg at 5,804	Max Dogleg 12.8 deg at 3,075
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## Casing / Tubing Information

Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
CONDUCTOR	20.00	94	H-40	51.00			-2,496.00	
SURFACE	13.38	48	H-40	1,012.99			-1,534.12	
		0, 17	L80, L-80 KSI	2,920.03			317.41	
INTERMEDIATE 1	8.63	32, 0	J-55	2,999.99	850		374.10	
PACKER ASSEMBLY 2	5.50	17, 0	L80, N80 Sub, L-80 KSI, L80 EXR, L80 / 13%C	7,620.00			444.22	
PACKER ASSEMBLY 1	5.50	17, 0	L80, N80 Sub, L80 EXR, L80 / 13%Cr	7,634.00			444.08	

## Safety Drills

Rams	Annulars	Casing	Last BOP Test	Next BOP Test
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## BULKS

Product	QTY
	0.0
DIESEL, RIG FUEL	2,431.0
WATER, MUNICIPAL	1,320.0



## 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
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000	
70004	CASING CREW	15,000	39,182	0	39,182	-24,182	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,584	0	3,584	16,416	
70007			15,901	0	15,901		
70011	COMPANY SUPERVISION	17,000	10,960	0	10,960	6,040	
70017	CONTRACT LABOR	65,000	264,440	0	264,440	-199,440	
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	290,621	0	290,621	-162,621	
70021	CONTRACT SUPERVISION		35,700	0	35,700		
70025	DRILLING FLUIDS		14,937	0	14,937		
70026			0	0	0		
70031	EQUIPMENT RENTAL	130,000	35,854	0	35,854	94,147	
70034	FORMATION STIMULATION	1,500,000	40,199	0	40,199	1,459,801	
70037	FUEL AND POWER		24,048	0	24,048		
70049	LOGGING AND WIRELINE	65,000	110,384	0	110,384	-45,384	
70069	SNUBBING/COIL TUBING UNIT	150,000	161,200	0	161,200	-11,200	
70074	TRUCKING AND HAULING	90,000	33,564	0	33,564	56,436	
70076	TUBULAR INSPECTION/TESTING	3,500	4,218	0	4,218	-718	
70077	WATER		9,725	0	9,725		
Total Intangible Cost		2,248,500	1,094,517		1,094,517	1,153,983	
71001	ARTIFICIAL LIFT	150,000	0	0	0	150,000	
71012	FLOWLINES TO BATTERY	25,000	0	0	0	25,000	
71032	OTHER SUBSURFACE EQUIPMENT	300,000	335,635	0	335,635	-35,635	
71033	OTHER SURFACE EQUIPMENT	30,000	0	0	0	30,000	
71036	PIPE, VALVES, FITTINGS	100,000	300	0	300	99,700	
71040	PRODUCTION CASING	135,000	162,003	0	162,003	-27,003	
71053	TUBING	24,000	23,089	0	23,089	911	
71056	WELLHEAD ASSEMBLY	5,000	8,575	0	8,575	-3,575	
71058	OTHER TANGIBLE		2,829	0	2,829		
Total Tangible Cost		769,000	532,431		532,431	236,569	
Total:		3,017,500	1,626,948		1,626,948		