



APACHE CORPORATION
Daily Drilling Report

Page 1 of 1

WELLBORE NAME UNIVERSITY LANDS A 37 6H						DATE 02-29-2012					
API # 00		24 HRS PROG 51.0 (ft)		TMD 51.0 (ft)		TVD 51.0 (ft)		REPT NO 1			
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE		AUTH TMD 7,654.00 (ft)		PLANNED DOW 27.00 (days)		DFS / KO 0.00 (days)		DOL 0.00 (days)	
SPUD DATE		RIG RELEASE		SUPERVISOR JOE BARRERA 806-781-4306				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-12-0031-D		AFE COSTS		DAILY COSTS				CUMULATIVE COSTS			
DESCRIPTION: DRL HORIZ GRAYBURG WELL 3008' TVD; 7654' MD		DHC: 1,209,500 DCC: CWC: Others: TOTAL: 1,209,500		DHC: DCC: 17,431 CWC: Others: TOTAL: 17,431				DHC: DCC: 17,431 CWC: Others: TOTAL: 17,431			
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)		LAST SAFETY MEETING		BLOCK		OCSG#		TARGET FORMATION GRAYBURG		BHA HRS OF SERVICE	
LAST SURVEY MD 0.00 (ft) INC 0.00° AZM 0.00°				LAST CSG SHOE TEST (EMW)		LAST CASING		NEXT CASING			
CURRENT OPERATIONS: WAIT ON DAYLIGHT ; WAIT ON LOCATION											
24 HR SUMMARY: WAIT ON DAYLIGHT ; MICS RIG REPAIRS ; INSPECT DRILL STRING											
24 HR FORECAST: WAIT ON LOCATION ; CONTINUE INPECTION OF DRILL STRING											
OPERATION SUMMARY											
From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY				
0:00	7:00	7.00	R-MOB-DEMOB	WOD	PP		WAIT ON DAYLIGHT & LOCATION				
7:00	22:00	15.00	R-MOB-DEMOB	WOO	PP		MISC RIG REPAIRS ; INSPECT DRILL STRING ; 133 JTS INSPECTED ; 47 NEED HARD BAND ; 70 JTS GOOD ; 9 JTS BENT ; 2 JTS SHOULDER DAMAGE ; 4 YELLOW BAND ; 1 RED BAND				
22:00	0:00	2.00	R-MOB-DEMOB	WOO	PP		WAIT ON DAYLIGHT & LOCATION				
24.00 = Total Hours Today											
06:00 UPDATE											
0000-0600 WAIT ON DAYLIGHT ; WAIT ON LOCATION											
PERSONNEL DATA											
COMPANY				QTY	HRS	COMPANY				QTY	HRS
JW MULLOYCONSULTING				1	24.00	CAPSTAR DRILLING Inc. PUSHER				1	24.00
TOTAL PERSONNEL ON BOARD: 2											
TOTAL HOURS ON BOARD: 48											
MATERIALS/CONSUMPTION											
ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND				
DIESEL, RIG FUEL	gal	125	4551								
MUD INVENTORY											
ITEM	UNIT	USAGE	Day Cost (\$)	ON HAND							
DRLG MUD			0.00	0.00							



APACHE CORPORATION

Page 1 of 2

Daily Drilling Report

WELLBORE NAME UNIVERSITY LANDS A 37 6H						DATE 03-01-2012					
API # 00		24 HRS PROG (ft)		TMD 51.0 (ft)		TVD 51.0 (ft)		REPT NO 2			
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE		AUTH TMD 7,654.00 (ft)		PLANNED DOW 27.00 (days)		DFS / KO 0.00 (days)		DOL 0.00 (days)	
SPUD DATE		RIG RELEASE		SUPERVISOR JOE BARRERA 806-781-4306				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	
APE # PA-12-0031-D		APE COSTS		DAILY COSTS				CUMULATIVE COSTS			
DESCRIPTION: DRL HORIZ GRAYBURG WELL 3008' TVD; 7654' MD		DHC: 1,209,500		DHC: 18,039				DHC: 35,470			
		DCC:		DCC:				DCC:			
		CWC:		CWC:				CWC:			
		Others:		Others:				Others:			
		TOTAL: 1,209,500		TOTAL: 18,039				TOTAL: 35,470			
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)		LAST SAFETY MEETING 3/1/2012		BLOCK		OCSG#		TARGET FORMATION GRAYBURG		BHA HRS OF SERVICE	
LAST SURVEY				LAST CSG SHOE TEST (EMW)		LAST CASING		NEXT CASING			
MD 0.00 (ft) INC 0.00° AZM 0.00°											
CURRENT OPERATIONS: WAIT ON DAYLIGHT & LOCATION											
24 HR SUMMARY: MISC RIG REPAIRS ; INSPECT DRILL STRING ; 287 JTS INSPECTED - 2- RED BAND ; 6 -YELLOW BAND ; 2-SHOULDER DAMAGE ; 16 JTS BENT ; 106 JTS NEEDING HARD BAND											
24 HR FORECAST: CONTINUE RIG REPAIRS ; BEGAN PUTTING HARD BAND ON DRILL STRING											
DAILY OP COMMENTS											
WAIT ON DAYLIGHT & LOCATION ; MISC RIG REPAIRS ; INSPECT DRILL STRING ; 287 JTS INSPECTED - 2- RED BAND ; 6 -YELLOW BAND ; 2-SHOULDER DAMAGE ; 16 JTS BENT ; 106 JTS NEEDING HARD BAND											
OPERATION SUMMARY											
From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY				
0:00	8:00	8.00	R-MOB-DEMOB	WOO	PP		WAIT ON DAYLIGHT & LOCATION				
8:00	22:00	14.00	R-MOB-DEMOB	WOO	PP		MISC RIG REPAIRS ; INSPECT DRILL STRING ; 287 JTS INSPECTED - 2- RED BAND ; 6 -YELLOW BAND ; 2-SHOULDER DAMAGE ; 16 JTS BENT ; 106 JTS NEEDING HARD BAND				
22:00	0:00	2.00	R-MOB-DEMOB	WOO	PP		WAIT ON DAYLIGHT & LOCATION				
24.00 = Total Hours Today											
06:00 UPDATE											
0000-0600 WAIT ON DAYLIGHT & LOCATION											
PERSONNEL DATA											
COMPANY				QTY	HRS	COMPANY			QTY	HRS	
CAPSTAR DRILLING Inc. PUSHES				1	24.00	JW MULLOYCONSULTING			1	24.00	
TOTAL PERSONNEL ON BOARD: 2											
TOTAL HOURS ON BOARD: 48											
MATERIALS/CONSUMPTION											
ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND				
DIESEL, RIG FUEL	gal	312	4239								
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											



APACHE CORPORATION
Daily Drilling Report

Page 1 of 2

WELLBORE NAME UNIVERSITY LANDS A 37 6H						DATE 03-02-2012							
API # 00		24 HRS PROG (ft)		TMD 51.0 (ft)		TVD 51.0 (ft)		REPT NO 3					
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE		AUTH TMD 7,654.00 (ft)		PLANNED DOW 27.00 (days)		DFS / KO 0.00 (days)		DOL 0.00 (days)			
SPUD DATE		RIG RELEASE		SUPERVISOR JOE BARRERA 806-781-4306				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-12-0031-D		AFE COSTS		DAILY COSTS		CUMULATIVE COSTS							
DESCRIPTION: DRL HORIZ GRAYBURG WELL 3008' TVD; 7654' MD		DHC: 1,209,500 DCC: CWC: Others: TOTAL: 1,209,500		DHC: 18,161 DCC: CWC: Others: TOTAL: 18,161		DHC: 53,631 DCC: CWC: Others: TOTAL: 53,631							
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)		LAST SAFETY MEETING 3/2/2012		BLOCK		OCSG#		TARGET FORMATION GRAYBURG		BHA HRS OF SERVICE			
LAST SURVEY MD 0.00 (ft) INC 0.00° AZM 0.00°				LAST CSG SHOE TEST (EMW)		LAST CASING		NEXT CASING					
CURRENT OPERATIONS: WAITING ON DAYLIGHT & LOCATION													
24 HR SUMMARY: WAIT ON DAYLIGHT ; MISC RIG REPAIRS & CLEANING ; HARD BAND 65 JTS OF DP ; SENT 17 JOINTS OF DP TO SMITH FOR STAIGHTENING													
24 HR FORECAST: CONTINUE RIG REPAIRS AND CLEANING ; HARD BAND REST OF DP													
DAILY OP COMMENTS													
WAIT ON DAYLIGHT ; MISC RIG REPAIRS & CLEANING ; HARD BAND 65 JTS OF DP ; SENT 17 JOINTS OF DP TO SMITH FOR STAIGHTENING													
OPERATION SUMMARY													
From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY						
0:00	8:00	8.00	R-MOB-DEMOB	WOO	PP		WAIT ON DAYLIGHT & LOCATION						
8:00	22:00	14.00	R-MOB-DEMOB	WOO	PP		WAIT ON DAYLIGHT ; MISC RIG REPAIRS & CLEANING ; HARD BAND 65 JTS OF DP ; SENT 17 JOINTS OF DP TO SMITH FOR STAIGHTENING						
22:00	0:00	2.00	R-MOB-DEMOB	WOO	PP		WAIT ON DAYLIGHT & LOCATION						
24.00 = Total Hours Today													
06:00 UPDATE													
0000-0600 WAIT ON DAYLIGHT & LOCATION													
PERSONNEL DATA													
COMPANY			QTY	HRS	COMPANY			QTY	HRS				
JW MULLOYCONSULTING			1	24.00	CAPSTAR DRILLING Inc. PUSHES			1	24.00				
TOTAL PERSONNEL ON BOARD: 2													
TOTAL HOURS ON BOARD: 48													
MATERIALS/CONSUMPTION													
ITEM		UNITS	USAGE	ON HAND	ITEM		UNITS	USAGE	ON HAND				
DIESEL, RIG FUEL		gal	187	4052									
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													



APACHE CORPORATION
Daily Drilling Report

Page 1 of 2

WELLBORE NAME UNIVERSITY LANDS A 37 6H						DATE 03-03-2012					
API # 00		24 HRS PROG (ft)		TMD 51.0 (ft)		TVD 51.0 (ft)		REPT NO 4			
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE		AUTH TMD 7,654.00 (ft)		PLANNED DOW 27.00 (days)		DFS / KO 0.00 (days)		DOL 0.00 (days)	
SPUD DATE		RIG RELEASE		SUPERVISOR JOE BARRERA 806-781-4306				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	
APE # PA-12-0031-D		APE COSTS		DAILY COSTS				CUMULATIVE COSTS			
DESCRIPTION: DRL HORIZ GRAYBURG WELL 3008' TVD; 7654' MD		DHC: 1,209,500 DCC: CWC: Others: TOTAL: 1,209,500		DHC: 18,442 DCC: CWC: Others: TOTAL: 18,442				DHC: 72,073 DCC: CWC: Others: TOTAL: 72,073			
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)		LAST SAFETY MEETING 3/3/2012		BLOCK		OCSG#		TARGET FORMATION GRAYBURG		BHA HRS OF SERVICE	
LAST SURVEY MD 0.00 (ft) INC 0.00° AZM 0.00°				LAST CSG SHOE TEST (EMW)		LAST CASING		NEXT CASING			
CURRENT OPERATIONS: WAITING ON DAYLIGHT & LOCATION 24 HR SUMMARY: WAIT ON DAYLIGHT ; MISC RIG REPAIRS & CLEANING ; HARD BAND 41 JTS OF DP 24 HR FORECAST: CONTINUE RIG REPAIRS AND CLEANING											
DAILY OP COMMENTS											
WAITING ON DAYLIGHT ; WAIT ON DAYLIGHT ; MISC RIG REPAIRS & CLEANING ; HARD BAND 41 JTS OF DP ; WORK ON MUD TANKS ; CHECK ALL VALVES IN SUCTION TANK ; UPDATE DP MASTER TALLY											
OPERATION SUMMARY											
From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY				
0:00	8:00	8.00	R-MOB-DEMOB	WOO	PP		WAITING ON DAYLIGHT				
8:00	22:00	14.00	R-MOB-DEMOB	WOO	PP		WAIT ON DAYLIGHT ; MISC RIG REPAIRS & CLEANING ; HARD BAND 41 JTS OF DP ; WORK ON MUD TANKS ; CHECK ALL VALVES IN SUCTION TANK ; UPDATE DP MASTER TALLY				
22:00	0:00	2.00	R-MOB-DEMOB	WOO	PP		WAITING ON DAYLIGHT				
24.00 = Total Hours Today											
06:00 UPDATE											
0000-0600 WAITING ON DAYLIGHT & LOCATION											
PERSONNEL DATA											
COMPANY				QTY	HRS	COMPANY				QTY	HRS
JW MULLOYCONSULTING				1	24.00	CAPSTAR DRILLING Inc. PUSHER				1	24.00
TOTAL PERSONNEL ON BOARD: 2 TOTAL HOURS ON BOARD: 48											
MATERIALS/CONSUMPTION											
ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND				
DIESEL, RIG FUEL	gal	436	3616								
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											



APACHE CORPORATION

Page 1 of 1

Daily Drilling Report

WELLBORE NAME UNIVERSITY LANDS A 37 6H						DATE 03-04-2012						
API # 00		24 HRS PROG (ft)		TMD 51.0 (ft)		TVD 51.0 (ft)		REPT NO 6				
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE		AUTH TMD 7,654.00 (ft)		PLANNED DOW 27.00 (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		
APE # PA-12-0031-D		APE COSTS		DAILY COSTS				CUMULATIVE COSTS				
DESCRIPTION: DRL HORIZ GRAYBURG WELL 3008' TVD; 7654' MD		DHC: 1,209,500		DHC: 18,406				DHC: 107,504				
		DCC:		DCC:				DCC:				
		CWC:		CWC:				CWC:				
		Others:		Others:				Others:				
		TOTAL: 1,209,500		TOTAL: 18,406				TOTAL: 107,504				
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)		LAST SAFETY MEETING 3/4/2012		BLOCK		OCSG#		TARGET FORMATION GRAYBURG		BHA HRS OF SERVICE 0.00		
LAST SURVEY				LAST CSG SHOE TEST (EMW)		LAST CASING		NEXT CASING				
MD 0.00 (ft) INC 0.00° AZM 0.00°								20.000 in @ 51.0 ft				
CURRENT OPERATIONS: WAITING ON TRUCKS TO MOVE RIG												
24 HR SUMMARY: WAITING ON TRUCKS TO MOVE RIG												
24 HR FORECAST: MIRU CAPSTAR 119: WAIT ON DRLG PERMIT												
DAILY OP COMMENTS												
WAITING ON TRUCKS TO MOVE RIG												
OPERATION SUMMARY												
From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY					
0:00	0:00	24.00	R-MOB-DEMOB	WOTRAN	PP		WAITING ON TRUCKS TO MOVE RIG					
24.00 = Total Hours Today												
06:00 UPDATE												
0000-0600 WAIT O TRUCKS TO MOVE RIG												
PERSONNEL DATA												
COMPANY				QTY	HRS	COMPANY				QTY	HRS	
TOTAL ENERGY SERVICES				1	24.00	CAPSTAR DRILLING Inc. PUSHER				1	24.00	
CAPSTAR DRILLING Inc. CREW				9	72.00							
TOTAL PERSONNEL ON BOARD: 11												
TOTAL HOURS ON BOARD: 120												
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												
MUD INVENTORY												
ITEM		UNIT		USAGE		Day Cost (\$)		ON HAND				
DRLG MUD				0.00		0.00		0.00				



APACHE CORPORATION

Page 1 of 2

Daily Drilling Report

WELLBORE NAME UNIVERSITY LANDS A 37 6H						DATE 03-05-2012					
API # 00		24 HRS PROG (ft)		TMD 51.0 (ft)		TVD 51.0 (ft)		REPT NO 7			
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE		AUTH TMD 7,654.00 (ft)		PLANNED DOW 27.00 (days)		DFS / KO 0.00 (days)		DOL 0.75 (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-12-0031-D		AFE COSTS		DAILY COSTS		CUMULATIVE COSTS					
DESCRIPTION: DRL HORIZ GRAYBURG WELL 3008' TVD; 7654' MD		DHC: 1,209,500 DCC: CWC: Others: TOTAL: 1,209,500		DHC: 17,838 DCC: CWC: Others: TOTAL: 17,838		DHC: 125,342 DCC: CWC: Others: TOTAL: 125,342					
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)		LAST SAFETY MEETING 3/5/2012		BLOCK		OCSG#		TARGET FORMATION GRAYBURG		BHA HRS OF SERVICE 0.00	
LAST SURVEY MD 0.00 (ft) INC 0.00° AZM 0.00°				LAST CSG SHOE TEST (EMW)		LAST CASING		NEXT CASING 20.000 in @ 51.0 ft			
CURRENT OPERATIONS: WAITING ON DRLG PERMIT											
24 HR SUMMARY: WAITING ON TRUCKS TO MOVE RIG: MIRU CAPSTAR 119: WELD ON 20" CONDUCTOR & NU FLOWLINE: WAITING ON DRLG PERMIT											
24 HR FORECAST: WAIT ON PERMIT: SPUD NEW WELL											
DAILY OP COMMENTS											
WAITING ON TRUCKS TO MOVE RIG: MIRU CAPSTAR 119: WELD ON 20" CONDUCTOR & NU FLOWLINE: WAITING ON DRLG PERMIT											
OPERATION SUMMARY											
From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY				
0:00	8:00	8.00	R-MOB-DEMOB	WOTRAN	PP		WAITING ON TRUCKS TO MOVE RIG:				
8:00	14:00	6.00	R-MOB-DEMOB	MOB	PP		MIRU CAPSTAR 119				
14:00	17:00	3.00	C-NUP	WLHEAD	PP		WELD ON 20" CONDUCTOR & NU FLOWLINE				
17:00	0:00	7.00	R-MOB-DEMOB	WOO	PN	WOR	WAITING ON DRLG PERMIT				
24.00 = Total Hours Today											
06:00 UPDATE											
0000-0600 WAITING ON DRLG PERMIT											
PERSONNEL DATA											
COMPANY				QTY	HRS	COMPANY				QTY	HRS
CAPSTAR DRILLING Inc. PUSHHER				1	24.00	TOTAL ENERGY SERVICES				1	24.00
CAPSTAR DRILLING Inc. CREW				9	72.00						
TOTAL PERSONNEL ON BOARD: 11											
TOTAL HOURS ON BOARD: 120											
MATERIALS/CONSUMPTION											
ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND				
DIESEL, RIG FUEL	gal	250	3366								
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											



APACHE CORPORATION
Daily Drilling Report

Page 1 of 1

WELLBORE NAME UNIVERSITY LANDS A 37 6H										DATE 03-06-2012	
API # 00		24 HRS PROG (ft)		TMD 51.0 (ft)			TVD 51.0 (ft)			REPT NO 8	
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE			AUTH TMD 7,654.00 (ft)		PLANNED DOW 27.00 (days)		DFS / KO 0.00 (days)		DOL 1.75 (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-12-0031-D		AFE COSTS DHC: 1,209,500 DCC: CWC: Others: TOTAL: 1,209,500			DAILY COSTS DHC: 18,244 DCC: CWC: Others: TOTAL: 18,244			CUMULATIVE COSTS DHC: 143,586 DCC: CWC: Others: TOTAL: 143,586			
DESCRIPTION: DRL HORIZ GRAYBURG WELL 3008' TVD; 7654' MD											
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)		LAST SAFETY MEETING 3/6/2012		BLOCK		OCSG#		TARGET FORMATION GRAYBURG		BHA HRS OF SERVICE 0.00	
LAST SURVEY MD 0.00 (ft) INC 0.00° AZM 0.00°				LAST CSG SHOE TEST (EMW)		LAST CASING			NEXT CASING 20.000 in @ 51.0 ft		
CURRENT OPERATIONS: WAITING ON DRLG PERMIT											
24 HR SUMMARY: WAITING ON DRLG PERMIT											
24 HR FORECAST: WAITING ON DRLG PERMIT: SPUD NEW WELL											
DAILY OP COMMENTS											
WAITING ON DRLG PERMIT											
OPERATION SUMMARY											
From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY				
0:00	0:00	24.00	R-MOB-DEMOB	WOO	PP		WAITING ON DRLG PERMIT				
24.00 = Total Hours Today											
06:00 UPDATE											
0000-0600 WAITING ON DRLG PERMIT											
PERSONNEL DATA											
COMPANY				QTY	HRS	COMPANY				QTY	HRS
TOTAL ENERGY SERVICES				1	24.00	CAPSTAR DRILLING Inc. PUSHHER				1	24.00
CAPSTAR DRILLING Inc. CREW				9	72.00						
TOTAL PERSONNEL ON BOARD: 11											
TOTAL HOURS ON BOARD: 120											
MATERIALS/CONSUMPTION											
ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND				
DIESEL, RIG FUEL	gal	375	4791								
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											
MUD INVENTORY											
ITEM	UNIT	USAGE	Day Cost (\$)	ON HAND							
DRLG MUD		0.00	0.00	0.00							



APACHE CORPORATION
Daily Drilling Report

Page 1 of 1

WELLBORE NAME UNIVERSITY LANDS A 37 6H										DATE 03-07-2012		
API # 00		24 HRS PROG (ft)		TMD 51.0 (ft)			TVD 51.0 (ft)			REPT NO 9		
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE			AUTH TMD 7,654.00 (ft)		PLANNED DOW 27.00 (days)		DFS / KO 0.00 (days)		DOL 2.75 (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-12-0031-D DESCRIPTION: DRL HORIZ GRAYBURG WELL 3008' TVD; 7654' MD				AFE COSTS DHC: 1,209,500 DCC: CWC: Others: TOTAL: 1,209,500			DAILY COSTS DHC: 27,227 DCC: CWC: Others: TOTAL: 27,227			CUMULATIVE COSTS DHC: 170,813 DCC: CWC: Others: TOTAL: 170,813		
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)				LAST SAFETY MEETING 3/7/2012		BLOCK		OCSG#		TARGET FORMATION GRAYBURG		BHA HRS OF SERVICE 0.00
LAST SURVEY MD 0.00 (ft) INC 0.00° AZM 0.00°						LAST CSG SHOE TEST (EMW)		LAST CASING		NEXT CASING 20.000 in @ 51.0 ft		
CURRENT OPERATIONS: WAITING ON DRLG PERMIT												
24 HR SUMMARY: WAITING ON DRLG PERMIT												
24 HR FORECAST: WAITING ON DRLG PERMIT: SPUD												
DAILY OP COMMENTS												
WAITING ON DRLG PERMIT												
OPERATION SUMMARY												
From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY					
0:00	0:00	24.00	R-MOB-DEMOB	WOO	PP		WAITING ON DRLG PERMIT					
24.00 = Total Hours Today												
06:00 UPDATE												
0000-0600 WAITING ON DRLG PERMIT												
PERSONNEL DATA												
COMPANY				QTY	HRS	COMPANY				QTY	HRS	
CAPSTAR DRILLING Inc. PUSHHER				1	24.00	TOTAL ENERGY SERVICES				1	24.00	
CAPSTAR DRILLING Inc. CREW				9	72.00							
TOTAL PERSONNEL ON BOARD: 11												
TOTAL HOURS ON BOARD: 120												
MATERIALS/CONSUMPTION												
ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND					
DIESEL, RIG FUEL	gal	312	4479									
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												
MUD INVENTORY												
ITEM	UNIT	USAGE	Day Cost (\$)	ON HAND								
DRLG MUD		0.00	0.00	0.00								



APACHE CORPORATION
Daily Drilling Report

Page 1 of 1

WELLBORE NAME UNIVERSITY LANDS A 37 6H						DATE 03-08-2012					
API # 00		24 HRS PROG (ft)		TMD 51.0 (ft)		TVD 51.0 (ft)		REPT NO 10			
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE		AUTH TMD 7,654.00 (ft)		PLANNED DOW 16.00 (days)		DFS / KO 0.00 (days)		DOL 3.75 (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	
APE # PA-12-0031-D		APE COSTS		DAILY COSTS				CUMULATIVE COSTS			
DESCRIPTION: DRL HORIZ GRAYBURG WELL 3008' TVD; 7654' MD		DHC: 1,209,500		DHC: 153,270				DHC: 324,083			
		DCC:		DCC:				DCC:			
		CWC:		CWC:				CWC:			
		Others:		Others:				Others:			
		TOTAL: 1,209,500		TOTAL: 153,270				TOTAL: 324,083			
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)		LAST SAFETY MEETING 3/8/2012		BLOCK		OCSG#		TARGET FORMATION GRAYBURG		BHA HRS OF SERVICE 0.00	
LAST SURVEY				LAST CSG SHOE TEST (EMW)		LAST CASING		NEXT CASING			
MD 0.00 (ft) INC 0.00° AZM 0.00°								20.000 in @ 51.0 ft			
CURRENT OPERATIONS: WAITING ON DRLG PERMIT											
24 HR SUMMARY: WAITING ON DRLG PERMIT											
24 HR FORECAST: WAITING ON DRLG PERMIT: SPUD?											
DAILY OP COMMENTS											
WAITING ON DRLG PERMIT											
OPERATION SUMMARY											
From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY				
0:00	0:00	24.00	R-MOB-DEMOB	WOO	PP		WAITING ON DRLG PERMIT				
24.00 = Total Hours Today											
06:00 UPDATE											
0000-0600 WAITING ON DRLG PERMIT											
PERSONNEL DATA											
COMPANY				QTY	HRS	COMPANY				QTY	HRS
TOTAL ENERGY SERVICES				1	24.00	CAPSTAR DRILLING Inc. PUSHES				1	24.00
CAPSTAR DRILLING Inc. CREW				9	72.00						
TOTAL PERSONNEL ON BOARD: 11											
TOTAL HOURS ON BOARD: 120											
SAFETY DRILLS											
RAMS (psi)		ANNULARS (psi)		CASING		LAST BOP PRESS TEST		NEXT BOP PRESS TEST		FIRE DRILL	
INCIDENT REPORT											
INCIDENTS TYPE		NONE		LOST TIME?		NO		INCIDENTS DESCRIPTION			
MUD INVENTORY											
ITEM		UNIT		USAGE		Day Cost (\$)		ON HAND			
DRLG MUD				2,766.00		2,766.00		0.00			



APACHE CORPORATION
Daily Drilling Report

Page 1 of 3

WELLBORE NAME UNIVERSITY LANDS A 37 6H						DATE 03-09-2012					
API # 00		24 HRS PROG 253.0 (ft)		TMD 304.0 (ft)		TVD 304.0 (ft)		REPT NO 11			
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE		AUTH TMD 7,654.00 (ft)		PLANNED DOW 16.00 (days)		DFS / KO 0.38 (days)		DOL 4.75 (days)	
SPUD DATE 03-09-2012 15:00		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	
APE # PA-12-0031-D		APE COSTS		DAILY COSTS				CUMULATIVE COSTS			
DESCRIPTION: DRL HORIZ GRAYBURG WELL 3008' TVD; 7654' MD		DHC: 1,209,500 DCC: CWC: Others: TOTAL: 1,209,500		DHC: 13,904 DCC: CWC: Others: TOTAL: 13,904				DHC: 337,986 DCC: CWC: Others: TOTAL: 337,986			
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)		LAST SAFETY MEETING 3/9/2012		BLOCK		OCSG#		TARGET FORMATION GRAYBURG		BHA HRS OF SERVICE 7.00	
LAST SURVEY				LAST CSG SHOE TEST (EMW)		LAST CASING		NEXT CASING			
MD 244.00 (ft) INC 0.00° AZM 0.00°						20.000 in @ 51.0 ft		13.375 in @ 990.0 ft			
CURRENT OPERATIONS: RIG REPAIRS (HYDRAULIC PUMP F/ SWIVEL)											
24 HR SUMMARY: WAIT ON DRLG PERMIT: CONTACT TXRRC ON 03/09/2012 @ 15:30: RRC JOB # 2902: SPUD WELL: DRLG F/ 51' TO 304': 253' FT @ 36.1 FT/HR: 0-20 WOB: 65-85 RPM: 450 GPM 390 PSI: SURVEY @ 244': 0.0° DEG: RIG REPAIRS (HYDRAULIC PUMP F/ SWIVEL / INTERNAL MECHANICAL)											
24 HR FORECAST: REPAIR RIG: DRLG 17.5" SURFACE TO 1000'											
DAILY OP COMMENTS											
WAIT ON DRLG PERMIT: CONTACT TXRRC ON 03/09/2012 @ 15:30: RRC JOB # 2902: SPUD WELL: DRLG F/ 51' TO 304': 253' FT @ 36.1 FT/HR: 0-20 WOB: 65-85 RPM: 450 GPM 390 PSI: SURVEY @ 244': 0.0° DEG: RIG REPAIRS (HYDRAULIC PUMP F/ SWIVEL / INTERNAL MECHANICAL)											
OPERATION SUMMARY											
From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY				
0:00	15:00	15.00	R-MOB-DEMOB	WOO	PP		WAIT ON DRLG PERMIT				
15:00	22:00	7.00	S-DRL	DRLG	PP		CONTACT TXRRC ON 03/09/2012 @ 15:30: RRC JOB # 2902: SPUD WELL: DRLG F/ 51' TO 304': 253' FT @ 36.1 FT/HR: 0-20 WOB: 65-85 RPM: 450 GPM 390 PSI: SURVEY @ 244': 0.0° DEG:				
22:00	0:00	2.00	S-DRL	RIGSER	PN	RO	RIG REPAIRS (HYDRAULIC PUMP F/ SWIVEL / INTERNAL MECHANICAL FAILURE)				
24.00 = Total Hours Today											
06:00 UPDATE											
0000-0600 RIG REPAIR (HYDRAILIC PUMP INTERNAL FAILURE)											
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	VAREL		HR04JMRSV	1290464	4x18	51.00 / 03-09-2012		-----		
BIT OPERATIONS											
BIT / RUN	WOB	RPM	FLOW RATE	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP
1/1	5/20	55/85	450.34	390	157.66	7.00	253.0	36.1	7.00	253.0	36.1
MOTOR OUTPUT											
RPV:				ROTARY CURRENT: 85				TOTAL RPM: 85			



APACHE CORPORATION
Daily Drilling Report

Page 2 of 3

WELLBORE NAME				DATE
UNIVERSITY LANDS A 37 6H				03-09-2012
API #	24 HRS PROG	TMD	TVD	REPT NO
00	253.0 (ft)	304.0 (ft)	304.0 (ft)	11

LCM:	0.0	MUD PROPERTIES					MUD TYPE: FRESH WATER				
------	-----	----------------	--	--	--	--	-----------------------	--	--	--	--

VIS (s/qt)	PV/YP (cp) / (lb/100ft ²)	GELS (lb/100ft ²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
27.00	0.00/0	0/0	0.0/0.0	0.0/0.00	0.00/0.00	0.00/0.0	7.00/0.00	0.00/0.00	0	0	0.0000	0	0.00

Density (ppg)	8.34	ECD (ppg)	0.00	PP (ppg)	0.00	DAILY COST	0.00	CUM COST	2766	%OIL	0.00	% H2O	0.00
---------------	------	-----------	------	----------	------	------------	------	----------	------	------	------	-------	------

BHA	1	JAR S/N		BHA / HOLE CONDITIONS					JAR HRS		BIT	1
-----	---	---------	--	-----------------------	--	--	--	--	---------	--	-----	---

BHA WT BELOW JARS		STRING WT UP		STRING WT DN		STRING WT ROT		TORQUE/UNITS		BHA LENGTH		
(kip)		52.0 (kip)		50.0 (kip)		51.0 (kip)		(ft-lbf)		304.00 (ft)		

COMPONENT TYPE	ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
	4.5" DRILL PIPE	0	0.00	4.500	3.826	4.500	XH
	6.25" DC'S	7	175.97	6.125	2.500	4.500	XH
	X-OVER	1	2.45	7.750	2.500	4.500	XH
	8" DC	1	30.67	7.750	2.500	6.625	API REG
	IBS	1	6.68	8.000	2.750	6.625	API REG
	8" DC	1	28.26	7.750	2.500	6.625	API REG
	IBS	1	5.93	8.000	2.750	6.625	API REG
	8" DC	1	31.21	7.750	2.500	6.625	API REG
	TELEDRIFT	1	9.33	8.125	2.750	6.625	API REG
	SHOCK SUB	1	9.75	7.375	2.800	6.625	API REG
	BIT SUB	1	2.75	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)
	244.00	0.00		244.0	0.00	0.00	0.00	0.00
Tie On	0.00	0.00	0.00	0.0	0.00	0.00	0.00	0.00

MUD PUMPS/HYDRAULICS					SPP: 390 (psi)	SPR		
	STROKE	SPM	LINER	FLOW RATE	AV(DP):		SPM	PPSR
# 1	10.00	110.00	6.500	450.3	AV(DC):			
					HP: 0.172 (hp/in ²)			

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
CAPSTAR DRILLING Inc. PUSHHER	1	24.00	TOTAL ENERGY SERVICES	1	24.00
CAPSTAR DRILLING Inc. CREW	9	72.00			

TOTAL PERSONNEL ON BOARD: 11

TOTAL HOURS ON BOARD: 120

MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
DIESEL, RIG FUEL	gal	498	3981				



APACHE CORPORATION
Daily Drilling Report

Page 1 of 2

WELLBORE NAME UNIVERSITY LANDS A 37 6H										DATE 03-10-2012			
API # 00		24 HRS PROG 206.0 (ft)		TMD 510.0 (ft)		TVD 510.0 (ft)		REPT NO 12					
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE		AUTH TMD 7,654.00 (ft)		PLANNED DOW 16.00 (days)		DFS / KO 1.38 (days)		DOL 5.75 (days)			
SPUD DATE 03-09-2012 15:00		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-12-0031-D		AFE COSTS		DAILY COSTS		CUMULATIVE COSTS							
DESCRIPTION: DRL HORIZ GRAYBURG WELL 3008' TVD; 7654' MD		DHC: 1,209,500 DCC: CWC: Others: TOTAL: 1,209,500		DHC: 8646 DCC: CWC: Others: TOTAL: 8646		DHC: 346,632 DCC: CWC: Others: TOTAL: 346,632							
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)		LAST SAFETY MEETING 3/10/2012		BLOCK		OCSG#		TARGET FORMATION GRAYBURG		BHA HRS OF SERVICE 11.50			
LAST SURVEY MD 451.00 (ft) INC 0.50° AZM 0.00°				LAST CSG SHOE TEST (EMW)		LAST CASING 20.000 in @ 51.0 ft		NEXT CASING 13.375 in @ 990.0 ft					
CURRENT OPERATIONS: DRLG SURF @ 806': 45 WOB: 110 RPM: 430 GPM W/ 800 PSI: SURVEY @ 756': 0.6 DEG:													
24 HR SUMMARY: RIG REPAIRS (HYDRAULIC PUMP F/ SWIVEL / INTERNAL MECHANICAL FAILURE): DRLG F/ 304' TO 510': 206' FT @ 45.7 FT/HR: 350 WOB: 110 RPM: 430 GPM 750 PSI: SURVEY @ 451': 0.5° DEG:													
24 HR FORECAST: DRLG SURF TO 1000': CIRC: TOH: RUN 13.375" CSG & CMT:													
DAILY OP COMMENTS													
RIG REPAIRS (HYDRAULIC PUMP F/ SWIVEL / INTERNAL MECHANICAL FAILURE): DRLG F/ 304' TO 510': 206' FT @ 45.7 FT/HR: 350 WOB: 110 RPM: 430 GPM 750 PSI: SURVEY @ 451': 0.5° DEG:													
OPERATION SUMMARY													
From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY						
0:00	19:30	19.50	S-DRL	RIGSER	PN	RO	RIG REPAIRS (HYDRAULIC PUMP F/ SWIVEL / INTERNAL MECHANICAL FAILURE)						
19:30	0:00	4.50	S-DRL	DRLG	PP		DRLG F/ 304' TO 510': 206' FT @ 45.7 FT/HR: 350 WOB: 110 RPM: 430 GPM 750 PSI: SURVEY @ 451': 0.5° DEG:						
24.00 = Total Hours Today													
06:00 UPDATE													
0000-0600 DRLG F/ 304' TO 510': 206' FT @ 45.7 FT/HR: RIG REPAIR (HYD. FILTERS): DRLG F/ 510' TO 806': 296' FT @ 74.0 FT/HR: 35 WOB: 110 RPM: 430 GPM 750 PSI: SURVEY @ 756': 0.6° DEG:													
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	VAREL		HR04JMRSV	1290464	4x18	51.00 / 03-09-2012		-----				
BIT OPERATIONS													
BIT / RUN	WOB	RPM	FLOW RATE	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP		
1/1	35/45	95/120	429.87	750	143.65	4.50	206.0	45.8	11.50	459.0	39.9		
MOTOR OUTPUT													
RPV:				ROTARY CURRENT: 120				TOTAL RPM: 120					
LCM: 0.0				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 (%)
27.00	0.00/0	0/0	0.0/0.0	0.0/0.00	0.00/0.00	0.00/0.0	7.00/0.00	0.00/0.00	0	0	0.0000	0	0.00
Density (ppg)	8.34	ECD (ppg)	0.00	PP (ppg)	0.00	DAILY COST	0.00	CUM COST	2766	%OIL	0.00	% H2O	0.00



APACHE CORPORATION
Daily Drilling Report

Page 2 of 2

WELLBORE NAME UNIVERSITY LANDS A 37 6H										DATE 03-10-2012	
API # 00		24 HRS PROG 206.0 (ft)		TMD 510.0 (ft)		TVD 510.0 (ft)		REPT NO 12			
BHA	1	JAR S/N		BHA / HOLE CONDITIONS			JAR HRS		BIT	1	
BHA WT BELOW JARS		STRING WT UP		STRING WT DN		STRING WT ROT		TORQUE/UNITS		BHA LENGTH	
(kip)		55.0 (kip)		45.0 (kip)		50.0 (kip)		(ft-lbf)		510.00 (ft)	
COMPONENT TYPE		ITEM DESCRIPTION				NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
		4.5" DRILL PIPE				0	0.00	4.500	3.826	4.500	XH
		6.25" DC'S				13	381.97	6.125	2.500	4.500	XH
		X-OVER				1	2.45	7.750	2.500	4.500	XH
		8" DC				1	30.67	7.750	2.500	6.625	API REG
		IBS				1	6.68	8.000	2.750	6.625	API REG
		8" DC				1	28.26	7.750	2.500	6.625	API REG
		IBS				1	5.93	8.000	2.750	6.625	API REG
		8" DC				1	31.21	7.750	2.500	6.625	API REG
		TELEDRIFT				1	9.33	8.125	2.750	6.625	API REG
		SHOCK SUB				1	9.75	7.375	2.800	6.625	API REG
		BIT SUB				1	2.75	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)			
	451.00	0.50		451.0	0.90	0.00	0.90	0.24			
MUD PUMPS/HYDRAULICS				SPP: 750 (psi)		SPR					
	STROKE	SPM	LINER	FLOW RATE	AV(DP):	SPM		PPSR			
# 1	10.00	105.00	6.500	429.9	AV(DC):						
					HP: 0.150 (hp/in²)						
PERSONNEL DATA											
COMPANY		QTY	HRS	COMPANY		QTY	HRS				
TOTAL ENERGY SERVICES		1	24.00	CAPSTAR DRILLING Inc. PUSHER		1	24.00				
CAPSTAR DRILLING Inc. CREW		9	72.00								
TOTAL PERSONNEL ON BOARD: 11											
TOTAL HOURS ON BOARD: 120											
MATERIALS/CONSUMPTION											
ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND				
DIESEL, RIG FUEL	gal	561	3420								
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							
MUD INVENTORY											
ITEM	UNIT	USAGE	Day Cost (\$)	ON HAND							
DRLG MUD		0.00	0.00	0.00							



APACHE CORPORATION
Daily Drilling Report

Page 1 of 3

WELLBORE NAME UNIVERSITY LANDS A 37 6H	DATE 03-11-2012
--	---------------------------

API # 00	24 HRS PROG 490.0 (ft)	TMD 1,000.0 (ft)	TVD 1,000.0 (ft)	REPT NO 13
--------------------	----------------------------------	----------------------------	----------------------------	----------------------

RIG NAME NO CAPSTAR 119	FIELD NAME DUNE	AUTH TMD 7,654.00 (ft)	PLANNED DOW 16.00 (days)	DFS / KO 2.38 (days)	DOL 6.75 (days)
-----------------------------------	---------------------------	----------------------------------	------------------------------------	--------------------------------	---------------------------

SPUD DATE 03-09-2012 15:00	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
--------------------------	------------------------------------	------------------------------	---------------------------------	-------------------------------------	-----------------------------------

APE # PA-12-0031-D	APE COSTS	DAILY COSTS	CUMULATIVE COSTS
DESCRIPTION: DRL HORIZ GRAYBURG WELL 3008' TVD; 7654' MD	DHC: 1,209,500 DCC: CWC: Others: TOTAL: 1,209,500	DHC: 89,099 DCC: CWC: Others: TOTAL: 89,099	DHC: 435,731 DCC: CWC: Others: TOTAL: 435,731

DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)	LAST SAFETY MEETING 3/11/2012	BLOCK	OCSG#	TARGET FORMATION GRAYBURG	BHA HRS OF SERVICE 21.00
---	---	--------------	--------------	-------------------------------------	------------------------------------

LAST SURVEY	LAST CSG SHOE TEST (EMW)	LAST CASING	NEXT CASING
MD 987.00 (ft) INC 0.50° AZM 0.00°		20.000 in @ 51.0 ft	13.375 in @ 990.0 ft

CURRENT OPERATIONS: WOC: CLEANING PITS

24 HR SUMMARY: RIG REPAIR: DRLG F/ 510' TO 1000': 490' FT @ 51.5 FT/HR: 35-45 WOB: 110 RPM: 430 GPM 750 PSI: SURVEY @ 549': 0.8° DEG: CIRC: TOH: RIG REPAIR:TOH: RU & RUN 24 JTS 13.375" 48# H40 CASING

24 HR FORECAST: CMT SURF. CSG: NU & TEST BOP'S: PU BHA #2 TIH: DRLG TO KOP:

DAILY OP COMMENTS

RIG REPAIR: DRLG F/ 510' TO 1000': 490' FT @ 51.5 FT/HR: 35-45 WOB: 110 RPM: 430 GPM 750 PSI: SURVEY @ 549': 0.8° DEG: CIRC: TOH: RIG REPAIR:TOH: RU & RUN 24 JTS 13.375" 48# H40 CASING

OPERATION SUMMARY

From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY
0:00	1:00	1.00	S-DRL	RIGSER	PN	SV	CHANGE HYDRAULIC FILTERS IN SWIVEL
1:00	11:30	9.50	S-DRL	DRLG	PP		DRLG F/ 510' TO 1000': 490' FT @ 51.5 FT/HR: 35-45 WOB: 110 RPM: 430 GPM 750 PSI: SURVEY @ 549': 0.8° DEG: (DAYLIGHT SAVINGS TIME)
11:30	12:30	1.00	S-DRL	CIRC	PP		CIRC SWEEP
12:30	13:00	0.50	S-DRL	TRIP	PP		TOH F/ CASING
13:00	14:00	1.00	S-DRL	RIGSER	PN		REPLACE IRON ROUGHNECK HEADS
14:00	20:00	6.00	S-DRL	TRIP	PP		TOH F/ CSG:
20:00	21:00	1.00	S-CSG	RU_RD	PP		HSM: RU TO RUN 13.375" CSG.
21:00	0:00	3.00	S-CSG	R_PCSG	PP		RUN 13.375" CSG: TX PATTERN: 1 JT: FLOAT COLLAR: 23 JTS 13.375":48#: H40 CSG TO 1000'

23.00 = Total Hours Today

06:00 UPDATE

0000-0600 CIRC & WAIT ON O-TEX PUMPING: HSM: RU O-TEX & TEST LNES: CEMENT W/ 650 SKS LEAD @ 13.5 PPG: 200 SKS TAIL @ 14.8 PPG: BUPM PLUG @ 04:30 W/ 900 PSI: CIRC 30 BBLS (97 SKS) CMT TO PIT: RD OTEX: WOC & CLEAN PITS.

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	VAREL	HR04JMRSV	1290464	4x18	51.00 / 03-09-2012	-----



APACHE CORPORATION

Page 2 of 3

Daily Drilling Report

WELLBORE NAME UNIVERSITY LANDS A 37 6H										DATE 03-11-2012
API # 00	24 HRS PROG 490.0 (ft)	TMD 1,000.0 (ft)	TVD 1,000.0 (ft)	REPT NO 13						

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	40/50	100/110	429.87	800	143.65	9.50	490.0	51.6	21.00	949.0	45.2

MOTOR OUTPUT

RPV:	ROTARY CURRENT: 110	TOTAL RPM: 110
LCM: 0.0	MUD PROPERTIES	MUD TYPE: FRESH WATER

VIS (s/qt)	PV/YP (cp) / (lb/100ft ²)	GELS (lb/100ft ²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
27.00	0.00/0	0/0	0.0/0.0	0.0/0.00	0.00/0.00	0.00/0.0	7.00/0.00	0.00/0.00	0	0	0.0000	0	0.00

Density (ppg)	8.34	ECD (ppg)	0.00	PP (ppg)	0.00	DAILY COST	0.00	CUM COST	2766	%OIL	0.00	% H2O	0.00
---------------	------	-----------	------	----------	------	------------	------	----------	------	------	------	-------	------

BHA	1	JAR S/N	BHA / HOLE CONDITIONS					JAR HRS	BIT	
-----	---	---------	-----------------------	--	--	--	--	---------	-----	--

BHA WT BELOW JARS	STRING WT UP	STRING WT DN	STRING WT ROT	TORQUE/UNITS	BHA LENGTH
(kip)	(kip)	(kip)	(kip)	(ft-lbf)	834.31 (ft)
(kip)	85.0 (kip)	75.0 (kip)	80.0 (kip)	(ft-lbf)	834.31 (ft)

COMPONENT TYPE	ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
	4.5" DRILL PIPE	6	165.69	4.500	3.826	4.500	XH
	6.25" DC'S	24	706.28	6.125	2.500	4.500	XH
	X-OVER	1	2.45	7.750	2.500	4.500	XH
	8" DC	1	30.67	7.750	2.500	6.625	API REG
	IBS	1	6.68	8.000	2.750	6.625	API REG
	8" DC	1	28.26	7.750	2.500	6.625	API REG
	IBS	1	5.93	8.000	2.750	6.625	API REG
	8" DC	1	31.21	7.750	2.500	6.625	API REG
	TELEDRIPT	1	9.33	8.125	2.750	6.625	API REG
	SHOCK SUB	1	9.75	7.375	2.800	6.625	API REG
	BIT SUB	1	2.75	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)
	987.00	0.50		987.0	6.05	0.00	6.05	0.04
	756.00	0.60		756.0	3.83	0.00	3.83	0.03

CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
OH OH	SURFACE CONDUCTOR	13.375	48.00	H-40	1,000.0

MUD PUMPS/HYDRAULICS

				SPP: 800 (psi)	SPR		
				AV(DP):	SPM		PPSR
				AV(DC):			
# 1	STROKE 10.00	SPM 105.00	LINER 6.500	FLOW RATE 429.9	HP: 0.150 (hp/in ²)		



APACHE CORPORATION
Daily Drilling Report

Page 1 of 2

WELLBORE NAME UNIVERSITY LANDS A 37 6H						DATE 03-12-2012					
API # 00		24 HRS PROG (ft)		TMD 1,000.0 (ft)		TVD 1,000.0 (ft)		REPT NO 14			
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE		AUTH TMD 7,654.00 (ft)		PLANNED DOW 16.00 (days)		DFS / KO 3.38 (days)		DOL 7.75 (days)	
SPUD DATE 03-09-2012 15:00		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-12-0031-D		AFE COSTS		DAILY COSTS				CUMULATIVE COSTS			
DESCRIPTION: DRL HORIZ GRAYBURG WELL 3008' TVD; 7654' MD		DHC: 1,209,500 DCC: CWC: Others: TOTAL: 1,209,500		DHC: 34,542 DCC: CWC: Others: TOTAL: 34,542				DHC: 470,273 DCC: CWC: Others: TOTAL: 470,273			
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)		LAST SAFETY MEETING 3/12/2012		BLOCK		OCSG#		TARGET FORMATION GRAYBURG		BHA HRS OF SERVICE 21.50	

LAST SURVEY				LAST CSG SHOE TEST (EMW)		LAST CASING		NEXT CASING	
MD 987.00 (ft) INC 0.50° AZM 0.00°						13.375 in @ 1,000.0 ft		8.625 in @ 2,950.0 ft	

CURRENT OPERATIONS: DRLG @ 1109': 5-25 WOB: 80-85 RPM; 430 GPM W/ 900 PSI

24 HR SUMMARY: CIRC: CMT W/ 650 SKS LEAD: 200 SKS TAIL: WOC: CUT CONDUCTOR & NU BOP & TEST: RU FLOOR: SLM BHA: SWAP BOOM: PU BHA #2 & TIH:

24 HR FORECAST: TIH: DRLG CMT & FLOAT EQUIP: DRLG TO KOP:

DAILY OP COMMENTS

CIRC: CMT W/ 650 SKS LEAD: 200 SKS TAIL: WOC: CUT CONDUCTOR & NU BOP & TEST: RU FLOOR: SLM BHA: SWAP BOOM: PU BHA #2 & TIH:

OPERATION SUMMARY

From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY
0:00	2:00	2.00	S-CMT	CIRC	PN	CM	CIRC & WAIT ON O-TEX PUMPING
2:00	5:00	3.00	S-CMT	CMTPRI	PP		RU O-TEX PUMPING: CMT 13.375: CSG: LEAD 650 SKS (201 BBLS): TAIL 200 SKX (48 BBLS): DISP W/ 151 BBLS F/W: BUMP PLUG W/ 900 PSI: PRIOR CIRC PSI 350: CIRC 30 BBLS (97 SKS) CMT TO PIT: RD O-TEX:
5:00	9:00	4.00	S-CMT	RURDCU	PP		WOC: CLEAN PITS
9:00	12:30	3.50	S-NUP	WLHEAD	PP		CUT CONDUCTOR & CASING: WELD ON 13.375 x 3M WELL HEAD: TEST TO 600 PSI:
12:30	18:00	5.50	S-NUP	BOPS	PP		NU BOP'S & CHOKE MANIFOLD
18:00	19:00	1.00	S-NUP	BOPS	PP		TEST BOP'S & CHOKE: 250 LOW: 500 HIGH:
19:00	21:00	2.00	S-DRL	RU_RD	PP		RU RIG FLOOR
21:00	22:00	1.00	S-DRL	TRIP	PP		SLM BHA #2
22:00	23:00	1.00	S-DRL	RU_RD	PP		CHANGE OVER BOOM
23:00	0:00	1.00	S-DRL	TRIP	PP		MU BIT #2: SHOCK SUB: TELEDRIFT: DC: IBS: DC: IBS: DC: X-OVER: (18) 6.25" DC'S: TIH

24.00 = Total Hours Today

06:00 UPDATE

0000-0600 TEST PIPE RAMS & ANNULAR 250 LOW: 500 HIGH: TIH: TAG CMT @ 945': DRLG CMT & FLOAT EQUIP: DRLG F/ 999' TO 1109':100' @ 25 FT/HR: 5-25 WOB: 80-85 RPM; 430 GPM W/ 900 PSI

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
2 / 1	11.000	LIBERTY BITS	GT04	102690	3x18	1,000.00 / 03-12-2012	-----



APACHE CORPORATION
Daily Drilling Report

Page 2 of 2

WELLBORE NAME				DATE
UNIVERSITY LANDS A 37 6H				03-12-2012
API #	24 HRS PROG	TMD	TVD	REPT NO
00	(ft)	1,000.0 (ft)	1,000.0 (ft)	14

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

VIS (s/qt)	PV/YP (cp) / (lb/100ft ²)	GELS (lb/100ft ²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
29.00							9.50						

Density (ppg)	10.00			PP		DAILY COST	0.00	CUM COST	2766	%OIL		% H2O	
---------------	-------	--	--	----	--	------------	------	----------	------	------	--	-------	--

BHA	2	JAR S/N		BHA / HOLE CONDITIONS					JAR HRS		BIT	2
-----	---	---------	--	-----------------------	--	--	--	--	---------	--	-----	---

BHA WT BELOW JARS		STRING WT UP		STRING WT DN		STRING WT ROT		TORQUE/UNITS		BHA LENGTH		
(kip)		(kip)		(kip)		(kip)		(ft-lbf)		656.06 (ft)		

COMPONENT TYPE		ITEM DESCRIPTION				NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
		4.5" DRILL PIPE				46	343.94	4.500	3.826	4.500	XH
		6.25" DC'S				18	532.60	6.125	2.500	4.500	XH
		X-OVER				1	2.45	7.750	2.500	4.500	XH
		8" DC				1	30.68	7.750	2.500	6.625	API REG
		IBS				1	5.60	8.000	2.750	6.625	API REG
		8" DC				1	28.25	7.750	2.500	6.625	API REG
		IBS				1	5.34	8.000	2.750	6.625	API REG
		8" DC				1	31.10	7.750	2.500	6.625	API REG
		TELEDRIFT				1	9.33	8.125	2.750	6.625	API REG
		SHOCK SUB				1	9.71	8.875	2.800	6.625	API REG
		11" GT04				1	1.00	17.500	3.000	6.625	API REG

CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
OH	SURFACE	13.375	48.00	H-40	1,000.0
OH	CONDUCTOR				

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
CAPSTAR DRILLING Inc. PUSHER	1	24.00	TOTAL ENERGY SERVICES	1	24.00
CAPSTAR DRILLING Inc. CREW	9	72.00			

TOTAL PERSONNEL ON BOARD: 11

TOTAL HOURS ON BOARD: 120

MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
DIESEL, RIG FUEL	gal	855	3493				

SAFETY DRILLS

RAMS (psi)	ANNULARS (psi)	CASING	LAST BOP PRESS TEST	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	ABND. DRILL
500	03-12-2012 / 500	03-12-2012 / 500.00	03-12-2012	03-26-2012			

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
Daily Drilling Report

Page 1 of 3

WELLBORE NAME UNIVERSITY LANDS A 37 6H						DATE 03-13-2012					
API # 4210335972 00		24 HRS PROG 110.0 (ft)		TMD 1,110.0 (ft)		TVD 1,110.0 (ft)		REPT NO 15			
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE		AUTH TMD 7,654.00 (ft)		PLANNED DOW 16.00 (days)		DFS / KO 4.38 (days)		DOL 8.75 (days)	
SPUD DATE 03-09-2012 15:00		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-12-0031-D		AFE COSTS		DAILY COSTS		CUMULATIVE COSTS					
DESCRIPTION: DRL HORIZ GRAYBURG WELL 3008' TVD; 7654' MD		DHC: 1,209,500 DCC: CWC: Others: TOTAL: 1,209,500		DHC: 21,576 DCC: CWC: Others: TOTAL: 21,576		DHC: 491,848 DCC: CWC: Others: TOTAL: 491,848					
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)		LAST SAFETY MEETING 3/13/2012		BLOCK		OCSG#		TARGET FORMATION GRAYBURG		BHA HRS OF SERVICE 25.00	
LAST SURVEY MD 1,238.00 (ft) INC 0.80° AZM 0.00°				LAST CSG SHOE TEST (EMW)		LAST CASING 13.375 in @ 1,000.0 ft		NEXT CASING 8.625 in @ 2,950.0 ft			
CURRENT OPERATIONS: DRLG @ 1906': 18 WOB: 115 RPM: 430 GPM W/ 850 PSI: SURVEY @ 1713': 0.4° DEG:											
24 HR SUMMARY: DRLG F/ 1110' TO 1444': 334' @ 66.8 FT/HR: 18 WOB: 115 RPM: 430 GPM W/ 850 PSI: SURVEY @ 1238': 0.8° DEG:											
24 HR FORECAST: DRLG TO 2275': TOH F/ DIRECTIONAL TOOLS											
DAILY OP COMMENTS											
TEST BOP: TIH: DRLG CMT: DRLG F/ 1000' TO 1110': TOH F/ BIT: RIG SERV: TIH: DRLG F/ 1110' TO 1444': 334' @ 66.8 FT/HR: 18 WOB: 115 RPM: 430 GPM W/ 850 PSI: SURVEY @ 1238': 0.8° DEG:											
OPERATION SUMMARY											
From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY				
0:00	0:30	0.50	S-NUP	BOPS	PP		TEST PIPE RAMS LOW 250, 500 HIGH:				
0:30	1:00	0.50	S-DRL	TRIP	PP		TEST TELEDRIFT & INSTALL ROTATING HEAD				
1:00	1:30	0.50	S-DRL	TRIP	PP		TIH TO 945' TAG CMT.				
1:30	2:00	0.50	S-DRL	DOCMT	PP		DRLG CMT & FLOAT EQUIP. @ 965'				
2:00	6:30	4.50	INT-DRL	DRLG	PP		DRLG F/ 1000' TO 1110': 110' @ 24.4 FT/HR: 25 WOB: 78-85 RPM: 430 GPM W/ 750 PSI:				
6:30	12:30	6.00	INT-DRL	TRIP	PP		TOH F/ BIT: WAIT ON WELDER TO HEAT TOOL JOINTS (4) OVER TOUGUED:				
12:30	13:00	0.50	INT-DRL	RIGSER	PP		RIG SERVICE				
13:00	18:30	5.50	INT-DRL	TEST	PP		PU BIT #3 & TIH TO 1085'				
18:30	19:00	0.50	INT-DRL	RMWASH	PP		WASH F/ 1085' TO 1110'				
19:00	0:00	5.00	INT-DRL	DRLG	PP		DRLG F/ 1110' TO 1444': 334' @ 66.8 FT/HR: 18 WOB: 115 RPM: 430 GPM W/ 850 PSI: SURVEY @ 1238': 0.8° DEG:				
24.00 = Total Hours Today											
06:00 UPDATE											
0000-0600 DRLG F/ 1444' TO 1906': 462' @ 77.0 FT/HR: 18 WOB: 115 RPM: 430 GPM W/ 850 PSI: SURVEY @ 1713': 0.4° DEG:											
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	SECURITY DBS		FX65	11584430	6x16	1,110.00 / 03-13-2012		-----		
2 / 1	11.000	LIBERTY BITS		GT04	102690	3x18	1,000.00 / 03-12-2012		1-1-BT-A-0-I-BT-PR		



APACHE CORPORATION
Daily Drilling Report

Page 2 of 3

WELLBORE NAME				DATE
UNIVERSITY LANDS A 37 6H				03-13-2012
API #	24 HRS PROG	TMD	TVD	REPT NO
4210335972 00	110.0 (ft)	1,110.0 (ft)	1,110.0 (ft)	15

BIT OPERATIONS

BIT / RUN	WOB	RPM	FLOW RATE	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP
3/1	15/20	100/115	429.87	850	118.94	4.50	334.0	74.2	4.50	334.0	74.2
2/1	15/25	75/115	429.87	750	297.02	4.50	110.0	24.4	4.50	110.0	24.4

MOTOR OUTPUT

RPV:	ROTARY CURRENT: 115				TOTAL RPM: 115						
LCM:	0.0	MUD PROPERTIES						MUD TYPE: BRINE			

VIS (s/qt)	PV/YP (cp) / (lb/100ft ²)	GELS (lb/100ft ²)	WL/HHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%)/(lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
29.00	0.00/0	0/0	0.0/0.0	0.0/0.00	0.00/0.00	0.00/0.0	9.50/0.00	0.00/0.00	0	0	0.0000	0	0.00
Density (ppg)	9.70	ECD (ppg)	0.00	PP (ppg)	0.00	DAILY COST	297.00	CUM COST	3063	%OIL	0.00	% H2O	0.00

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)	92.0 (kip)		88.0 (kip)		90.0 (kip)		(ft-lbf)			656.06 (ft)		

COMPONENT TYPE	ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
	4.5" DRILL PIPE	46	453.94	4.500	3.826	4.500	XH
	6.25" DC'S	18	532.60	6.125	2.500	4.500	XH
	X-OVER	1	2.45	7.750	2.500	4.500	XH
	8" DC	1	30.68	7.750	2.500	6.625	API REG
	IBS	1	5.60	8.000	2.750	6.625	API REG
	8" DC	1	28.25	7.750	2.500	6.625	API REG
	IBS	1	5.34	8.000	2.750	6.625	API REG
	8" DC	1	31.10	7.750	2.500	6.625	API REG
	TELEDRIFT	1	9.33	8.125	2.750	6.625	API REG
	SHOCK SUB	1	9.71	8.875	2.800	6.625	API REG
	FX65	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)
	1,238.00	0.80		1,238.0	8.90	0.00	8.89	0.12

CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
OH	SURFACE	13.375	48.00	H-40	1,000.0
OH	CONDUCTOR				

MUD PUMPS/HYDRAULICS					SPR		
	STROKE	SPM	LINER	FLOW RATE	SPP: 850 (psi) AV(DP): AV(DC): HP: 0.314 (hp/in ²)		
# 1	10.00	105.00	6.500	429.9		SPM	PPSR



APACHE CORPORATION
Daily Drilling Report

Page 1 of 4

WELLBORE NAME UNIVERSITY LANDS A 37 6H						DATE 03-14-2012					
API # 4210335972 00		24 HRS PROG 818.0 (ft)		TMD 2,262.0 (ft)		TVD 2,261.9 (ft)		REPT NO 16			
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE		AUTH TMD 7,654.00 (ft)		PLANNED DOW 16.00 (days)		DFS / KO 5.38 (days)		DOL 9.75 (days)	
SPUD DATE 03-09-2012 15:00		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-12-0031-D		AFE COSTS		DAILY COSTS				CUMULATIVE COSTS			
DESCRIPTION: DRL HORIZ GRAYBURG WELL 3008' TVD; 7654' MD		DHC: 1,209,500 DCC: CWC: Others: TOTAL: 1,209,500		DHC: 64,190 DCC: CWC: Others: TOTAL: 64,190				DHC: 556,038 DCC: CWC: Others: TOTAL: 556,038			
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)		LAST SAFETY MEETING 3/14/2012		BLOCK		OCSG#		TARGET FORMATION GRAYBURG		BHA HRS OF SERVICE 36.50	
LAST SURVEY MD 2,203.00 (ft) INC 0.30° AZM 19.78°				LAST CSG SHOE TEST (EMW)		LAST CASING 13.375 in @ 1,000.0 ft		NEXT CASING 8.625 in @ 2,950.0 ft			
CURRENT OPERATIONS: TIH TO 2262'											
24 HR SUMMARY: DRLG F/ 1444' TO 2262': 818' @ 71.3 FT/HR: 20 W OB: 115 RPM: 430 GPM W/ 850 PSI: SURVEY @ 2240': .07° DEG: RIG SERVICE: CIRC & DROP GYRO: TOH F/ DIR. TOOLS: CHANGE OUT BHA: SLM DIR BHA: PU DIR. BHA & TIH:											
24 HR FORECAST: PU DIR. BHA: TIH BUILD CURVE:											
DAILY OP COMMENTS											
DRLG F/ 1444' TO 2262': 818' @ 71.3 FT/HR: 20 W OB: 115 RPM: 430 GPM W/ 850 PSI: SURVEY @ 2240': .07° DEG: RIG SERVICE: CIRC & DROP GYRO: TOH F/ DIR. TOOLS: CHANGE OUT BHA: SLM DIR BHA: PU DIR. BHA & TIH:											
OPERATION SUMMARY											
From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY				
0:00	11:30	11.50	INT-DRL	DRLG	PP		DRLG F/ 1444' TO 2262': 818' @ 71.3 FT/HR: 20 W OB: 115 RPM: 430 GPM W/ 850 PSI: SURVEY @ 2240': .07° DEG:				
11:30	12:00	0.50	INT-DRL	RIGSER	PP		RIG SERVICE				
12:00	12:30	0.50	INT-DRL	CIRC	PP		PUMP SWEEP & DROP GYRO MULTI SHOT				
12:30	17:00	4.50	INT-DRL	TRIP	PP		TOH F/ DIRECTIONAL TOOLS TO 650':				
17:00	18:30	1.50	INT-DRL	TRIP	PP		RETRIEVE GYRO W/ WIRELINE:				
18:30	20:00	1.50	INT-DRL	TRIPBHA	PP		TOH & LD BHA				
20:00	22:00	2.00	INT-DRL	TRIPBHA	PP		CHANGE OUT BHA: SLM DIR BHA:				
22:00	0:00	2.00	INT-DRL	TRIPBHA	PP		PU DIR. BHA & TIH				
24.00 = Total Hours Today											
06:00 UPDATE											
0000-0600 RIG REPAIR (IRON ROUGHNECK): TIH TO 2262'											
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	SECURITY DBS			FX65	11584430	6x16	1,110.00 / 03-13-2012		-----	
BIT OPERATIONS											
BIT / RUN	WOB	RPM	FLOW RATE	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP
3/1	20/25	110/115	429.87	860	118.94	11.50	818.0	71.1	16.00	1,152.0	72.0
MOTOR OUTPUT											
RPV:				ROTARY CURRENT: 115				TOTAL RPM: 115			



APACHE CORPORATION
Daily Drilling Report

Page 2 of 4

WELLBORE NAME UNIVERSITY LANDS A 37 6H												DATE 03-14-2012	
API # 4210335972 00		24 HRS PROG 818.0 (ft)		TMD 2,262.0 (ft)		TVD 2,261.9 (ft)		REPT NO 16					
LCM: 0.0		MUD PROPERTIES						MUD TYPE: BRINE					
VIS (s/qt)	PV/YP (cp) / (lbf/100ft ²)	GELS (lbf/100ft ²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%)/(lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
29.00	0.00/0	0/0	0.0/0.0	0.0/0.00	0.00/0.00	0.00/0.0	9.50/0.00	0.00/0.00	0	0	0.0000	0	0.00
Density (ppg)	9.70	ECD (ppg)	0.00	PP (ppg)	0.00	DAILY COST	0.00	CUM COST	3063	%OIL	0.00	% H2O	0.00
BHA	3	JAR S/N		BHA / HOLE CONDITIONS					JAR HRS		BIT		
BHA WT BELOW JARS		STRING WT UP		STRING WT DN		STRING WT ROT		TORQUE/UNITS		BHA LENGTH			
(kip)		97.0 (kip)		90.0 (kip)		95.0 (kip)		(ft-lbf)		656.06 (ft)			
COMPONENT TYPE		ITEM DESCRIPTION				NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE		
		4.5" DRILL PIPE				51	1,605.94	4.500	3.826	4.500	XH		
		6.25" DC'S				18	532.60	6.125	2.500	4.500	XH		
		X-OVER				1	2.45	7.750	2.500	4.500	XH		
		8" DC				1	30.68	7.750	2.500	6.625	API REG		
		IBS				1	5.60	8.000	2.750	6.625	API REG		
		8" DC				1	28.25	7.750	2.500	6.625	API REG		
		IBS				1	5.34	8.000	2.750	6.625	API REG		
		8" DC				1	31.10	7.750	2.500	6.625	API REG		
		TELEDRIFT				1	9.33	8.125	2.750	6.625	API REG		
		SHOCK SUB				1	9.71	8.875	2.800	6.625	API REG		
		FX65				1	1.00	17.500	3.000	6.625	API REG		



APACHE CORPORATION
Daily Drilling Report

Page 3 of 4

WELLBORE NAME UNIVERSITY LANDS A 37 6H				DATE 03-14-2012
API # 4210335972 00	24 HRS PROG 818.0 (ft)	TMD 2,262.0 (ft)	TVD 2,261.9 (ft)	REPT NO 16

SURVEY								
TYPE	MD (ft)	DEG (°)	AZI (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	V.SECT (ft)	D.L (°/100ft)
	2,203.00	0.30	19.78	2,202.9	1.88	-5.29	1.78	0.20
	2,139.00	0.42	14.13	2,138.9	1.50	-5.40	1.40	0.08
	2,043.00	0.42	3.00	2,042.9	0.80	-5.51	0.70	0.28
	1,954.00	0.30		1,953.9	14.46	0.00	14.46	0.04
	1,947.00	0.66	15.10	1,946.9	-0.08	-5.67	-0.19	0.25
	1,851.00	0.86	24.71	1,850.9	-1.27	-6.11	-1.38	0.17
	1,755.00	0.89	35.12	1,754.9	-2.53	-6.84	-2.66	0.18
	1,713.00	0.40		1,712.9	12.99	0.00	12.98	0.00
	1,659.00	0.93	24.36	1,658.9	-3.85	-7.59	-3.99	0.20
	1,563.00	0.83	13.43	1,562.9	-5.24	-8.08	-5.39	0.53
	1,467.00	0.45	340.94	1,466.9	-6.27	-8.12	-6.42	0.23
	1,460.00	0.40		1,459.9	11.22	0.00	11.22	0.18
	1,371.00	0.40	311.40	1,371.0	-6.85	-7.74	-6.99	0.41
	1,275.00	0.50	261.37	1,275.0	-7.01	-7.08	-7.14	0.18
	1,179.00	0.54	242.37	1,179.0	-6.74	-6.26	-6.85	0.13
	1,083.00	0.66	242.79	1,083.0	-6.27	-5.37	-6.37	0.18
	987.00	0.49	246.15	987.0	-5.85	-4.50	-5.94	0.19
	891.00	0.55	227.24	891.0	-5.38	-3.79	-5.45	0.03
	795.00	0.56	229.77	795.0	-4.76	-3.09	-4.82	0.15
	699.00	0.67	220.44	699.0	-4.03	-2.37	-4.07	0.12
	604.00	0.57	215.36	604.0	-3.22	-1.73	-3.25	0.06
	500.00	0.51	216.55	500.0	-2.43	-1.16	-2.45	0.15
	400.00	0.40	204.26	400.0	-1.75	-0.75	-1.77	0.15
	300.00	0.27	191.36	300.0	-1.20	-0.56	-1.21	0.10
	200.00	0.32	208.83	200.0	-0.73	-0.38	-0.73	0.01
	100.00	0.31	207.03	100.0	-0.24	-0.12	-0.24	0.31
Tie On	0.00	0.00	0.00	0.0	0.00	0.00	0.00	0.00

CASING					
S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
OH	SURFACE	13.375	48.00	H-40	1,000.0
OH	CONDUCTOR				

MUD PUMPS/HYDRAULICS				SPR		
	STROKE	SPM	LINER	FLOW RATE	SPP: 860 (psi) AV(DP): AV(DC): HP: 0.314 (hp/in²)	
# 1	10.00	105.00	6.500	429.9		
						SPM PPSR

PERSONNEL DATA					
COMPANY	QTY	HRS	COMPANY	QTY	HRS
TOTAL ENERGY SERVICES	1	24.00	CAPSTAR DRILLING Inc. PUSHES	1	24.00
CAPSTAR DRILLING Inc. CREW	9	72.00			

TOTAL PERSONNEL ON BOARD: 11

TOTAL HOURS ON BOARD: 120

MATERIALS/CONSUMPTION							
ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
DIESEL, RIG FUEL	gal	997	1498				



APACHE CORPORATION
Daily Drilling Report

Page 1 of 3

WELLBORE NAME UNIVERSITY LANDS A 37 6H					DATE 03-15-2012						
API # 4210335972 00		24 HRS PROG 55.0 (ft)		TMD 2,317.0 (ft)		TVD 2,316.9 (ft)		REPT NO 17			
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE		AUTH TMD 7,654.00 (ft)		PLANNED DOW 16.00 (days)		DFS / KO 6.38 (days)		DOL 10.75 (days)	
SPUD DATE 03-09-2012 15:00		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-12-0031-D		AFE COSTS		DAILY COSTS				CUMULATIVE COSTS			
DESCRIPTION: DRL HORIZ GRAYBURG WELL 3008' TVD; 7654' MD		DHC: 1,209,500 DCC: CWC: Others: TOTAL: 1,209,500		DHC: 34,218 DCC: CWC: Others: TOTAL: 34,218				DHC: 590,256 DCC: CWC: Others: TOTAL: 590,256			
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)		LAST SAFETY MEETING 3/15/2012		BLOCK		OCSG#		TARGET FORMATION GRAYBURG		BHA HRS OF SERVICE 3.50	

LAST SURVEY				LAST CSG SHOE TEST (EMW)		LAST CASING		NEXT CASING	
MD 2,265.00 (ft) INC 0.90° AZM 135.30°						13.375 in @ 1,000.0 ft		8.625 in @ 2,950.0 ft	

CURRENT OPERATIONS: RE-LOG F/ 2285' TO 2332':

24 HR SUMMARY: RIG REPAIR: MU BHA #4 & TIH: SLIDE F/2262' TO 2285': RIG SERV: SLIDE TO 2303': 18' @ 9 FT/HR: 35 WOB: 92 RPM @ BIT: 430 GPM W/ 1475 PSI ON BOTTOM: 1425 PSI OFF BOTTOM: TOH F/MTR FAILURE: CHNG MTR & TIH: SLIDE DRLG F/ 2303' TO 2317': 14' @ 7.0 FT/HR:

24 HR FORECAST: BUILD CURVE:TO CSG POINT @ 2950' +/-

DAILY OP COMMENTS

RIG REPAIR: MU BHA #4 & TIH: SLIDE F/2262' TO 2285': RIG SERV: SLIDE TO 2303': 18' @ 9 FT/HR: 35 WOB: 92 RPM @ BIT: 430 GPM W/ 1475 PSI ON BOTTOM: 1425 PSI OFF BOTTOM: TOH F/MTR FAILURE: CHNG MTR & TIH: SLIDE DRLG F/ 2303' TO 2317': 14' @ 7.0 FT/HR:

OPERATION SUMMARY

From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY
0:00	0:30	0.50	INT-DRL	RIGSER	PN	IRF	REPLACE LOWER ARM
0:30	2:30	2.00	INT-DRL	TRIP	PP		MU BHA #4: 11" VAREL: 2.38° MOTOR: UBHO: (2) NMDC: X-OVER: TIH TO 1042'
2:30	4:00	1.50	INT-DRL	TRIP	PP		TEST MWD: MOVE 30 HWDP TO RACK & SLM
4:00	6:00	2.00	INT-DRL	TRIP	PP		TIH TO 2262'
6:00	7:30	1.50	INT-DRL	DRLCPA	PP		BUILD CURVE SLIDE DRLG F/ 2262' TO 2285': 23' @ 15.3 FT/HR: 35 WOB: 92 RPM @ BIT: 430 GPM W/ 1475 PSI ON BOTTOM: 1425 PSI OFF BOTTOM: NO SURVEY DATA AVAILABLE
7:30	8:00	0.50	INT-DRL	RIGSER	PP		RIG SERVICE
8:00	10:00	2.00	INT-DRL	DRLCPA	PP		BUILD CURVE SLIDE DRLG F/ 2285' TO 2303': 18' @ 9 FT/HR: 35 WOB: 92 RPM @ BIT: 430 GPM W/ 1475 PSI ON BOTTOM: 1425 PSI OFF BOTTOM: NO SURVEY DATA AVAILABLE
10:00	14:00	4.00	INT-DRL	TRIP	PN	MM	TOH DUE TO MOTOR FAILURE
14:00	16:00	2.00	INT-DRL	TRIP	PN	MM	CHANGE OUT MUD MOTOR & WAIT ON BIT
16:00	22:00	6.00	INT-DRL	TRIP	PP		MU BHA #5: 11" VAREL: 2.38° MOTOR: UBHO: (2) NMDC: X-OVER: TIH: 2285'
22:00	0:00	2.00	INT-DRL	DRLCPA	PP		BUILD CURVE SLIDE DRLG F/ 2303' TO 2317': 14' @ 7.0 FT/HR: 35 WOB: 77 RPM @ BIT: 491 GPM W/ 1300 PSI ON BOTTOM: 1100 PSI OFF BOTTOM: SURVEY @ 2265': 0.9° DEG: 135.3° AZI:

24.00 = Total Hours Today

06:00 UPDATE

0000-0600 SLIDE DRLG F/ 2317' TO 2322': 5' @ 3.3 FT/HR: 18 WOB: 78 RPM @ BIT: 491 GPM W/ 1175 PSI ON BOTTOM: 1125 PSI OFF BOTTOM: SURVEY @ 2265': 0.9° DEG: 135.3° AZI: TOH TO 1042': RETRIEVE MWD W/ WIRELINE:CHANGE MWD: TIH TO 2285: RELOG F/2285 TO 2332'



APACHE CORPORATION

Page 2 of 3

Daily Drilling Report

WELLBORE NAME UNIVERSITY LANDS A 37 6H				DATE 03-15-2012
API # 4210335972 00	24 HRS PROG 55.0 (ft)	TMD 2,317.0 (ft)	TVD 2,316.9 (ft)	REPT NO 17

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
4 / 1	11.000	VAREL	EHO4	1285123	4x16	2,262.00 / 03-15-2012	1-1-BT-M-0-I-BT-DMF
5 / 1	11.000	VAREL	EHO4	1285115	4x16	2,303.00 / 03-15-2012	-----

BIT OPERATIONS

BIT / RUN	WOB	RPM	FLOW RATE	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP
4/1	35/42	0/0	491.28	1475	349.55	3.50	41.0	11.7	3.50	41.0	11.7
5/1	10/35	0/0	491.28	1175	349.55	2.00	14.0	7.0	2.00	14.0	7.0

MOTOR OUTPUT

RPV: 0.16rev/gal	ROTARY CURRENT: 0	TOTAL RPM: 79
LCM: 0.0	MUD TYPE: BRINE	

MUD PROPERTIES

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	0.00/0	0/0	0.0/0.0	0.0/0.00	0.00/0.00	0.00/0.0	9.50/0.00	0.00/0.00	0	0	0.0000	0	0.00
Density (ppg)	9.70	ECD (ppg)	0.00	PP (ppg)	0.00	DAILY COST	0.00	CUM COST	3063	%OIL	0.00	% H2O	0.00

BHA	4	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)	80.0 (kip)	78.0 (kip)	79.0 (kip)	(ft-lbf)	1,968.36 (ft)

COMPONENT TYPE	ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
	4.5" DP	11	334.64	4.500	3.826	4.500	XH
	4.5" HWDP	30	926.26	4.500	3.250	4.500	XH
	4.5" DP	30	950.02	4.500	3.826	4.500	XH
	X-OVER	1	2.41	6.750	3.250	4.500	XH
	8" MONEL	1	28.30	7.875	3.250	6.625	API REG
	8" MONEL	1	29.35	7.875	3.250	6.625	API REG
	UBHO SUB	1	2.86	7.937		6.625	API REG
	.16 REV/GAL.	1	28.16	7.750		6.625	API REG
	EHO4 VAREL	1	1.00	11.000	3.500	6.625	API REG

SURVEY

TYPE	MD (ft)	DEG (°)	AZI (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	V.SECT (ft)	D.L (°/100ft)
	2,265.00	0.90	135.30	2,264.9	1.69	-4.89	1.60	1.72

CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
OH	SURFACE	13.375	48.00	H-40	1,000.0
OH	CONDUCTOR				

MUD PUMPS/HYDRAULICS

SPP: 1175 (psi)					SPR		
AV(DP):					SPM		PPSR
AV(DC):							
HP: 1.054 (hp/in²)							

	STROKE	SPM	LINER	FLOW RATE
# 1	10.00	60.00	6.500	245.6
# 2	10.00	60.00	6.500	245.6



APACHE CORPORATION
Daily Drilling Report

Page 1 of 3

WELLBORE NAME UNIVERSITY LANDS A 37 6H						DATE 03-16-2012					
API # 4210335972 00		24 HRS PROG 286.0 (ft)		TMD 2,603.0 (ft)		TVD 2,593.0 (ft)		REPT NO 18			
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE		AUTH TMD 7,654.00 (ft)		PLANNED DOW 16.00 (days)		DFS / KO 7.38 (days)		DOL 11.75 (days)	
SPUD DATE 03-09-2012 15:00		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-12-0031-D		AFE COSTS		DAILY COSTS				CUMULATIVE COSTS			
DESCRIPTION: DRL HORIZ GRAYBURG WELL 3008' TVD; 7654' MD		DHC: 1,209,500 DCC: CWC: Others: TOTAL: 1,209,500		DHC: 37,670 DCC: CWC: Others: TOTAL: 37,670				DHC: 627,926 DCC: CWC: Others: TOTAL: 627,926			
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)		LAST SAFETY MEETING 3/16/2012		BLOCK		OCSG#		TARGET FORMATION GRAYBURG		BHA HRS OF SERVICE 22.00	
LAST SURVEY				LAST CSG SHOE TEST (EMW)		LAST CASING		NEXT CASING			
MD 2,603.00 (ft) INC 25.30° AZM 162.00°						13.375 in @ 1,000.0 ft		8.625 in @ 2,950.0 ft			
CURRENT OPERATIONS: BUILDING CURVE @ 2698': @ 15.8 FT/HR: SURVEY @ 2614' MD: 2302 TVD: 26.5° INC: 160.7° AZI:: 1' BELOW: 8' LEFT:											
24 HR SUMMARY: CURVE DRLG F/ 2303' TO 2317': TOH F/ TO 1042': RETRIEVE MWD W/ W/L TRK: TIH TO 2285': LOG F/ 2285' TO 2232': DRLG F/ 2332' TO 2450': RIG SERV: DRLG CURVE F/ 2450' TO 2603': 152' @ 15.3 FT/HR: SURVEY @ 2551' MD: 2545 TVD: 21° INC: 158.3° AZI:: 1' B: 6'L:											
24 HR FORECAST: DRLG CURVE TO 2952: PUMP FLUID CALIPER: TOH F/ INTRM. CSG:											
DAILY OP COMMENTS											
CURVE DRLG F/ 2303' TO 2317': TOH F/ TO 1042': RETRIEVE MWD W/ W/L TRK: TIH TO 2285': LOG F/ 2285' TO 2232': DRLG F/ 2332' TO 2450': RIG SERV: DRLG CURVE F/ 2450' TO 2603': 152' @ 15.3 FT/HR: SURVEY @ 2551' MD: 2545 TVD: 21° INC: 158.3° AZI:: 1' B: 6'L:											
OPERATION SUMMARY											
From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY				
0:00	1:30	1.50	INT-DRL	DRLCPA	PP		BUILD CURVE SLIDE DRLG F/ 2303' TO 2317': 14' @ 7.0 FT/HR: 35 WOB: 77 RPM @ BIT: 491 GPM W/ 1300 PSI ON BOTTOM: 1100 PSI OFF BOTTOM: SURVEY @ 2265': 0.9° DEG: 135.3° AZI::				
1:30	2:30	1.00	INT-DRL	TRIP	PN	MW	TOH F/ GAMMA TO 1042':				
2:30	3:00	0.50	INT-DRL	TRIP	PN	MW	WAIT ON WIRELINE TRUCK TO RETRIEVE MWD:				
3:00	4:30	1.50	INT-DRL	LWD	PN	MW	RU W/L TRUCK & CHANGE OUT MWD TOOL: RD W/L TRUCK:				
4:30	5:30	1.00	INT-DRL	TRIP	PN	MW	TIH TO 2285':				
5:30	6:30	1.00	INT-DRL	LOG	PN	MM	RE-LOG F/ 2285' TO 2232':				
6:30	13:30	7.00	INT-DRL	DRLCPA	PP		BUILD CURVE SLIDE DRLG F/ 2332' TO 2450': 118' @ 16.8 FT/HR: 23 WOB: 69 RPM @ BIT: 434 GPM W/ 1330 PSI ON BOTTOM: 1250 PSI OFF BOTTOM: SURVEY @ 2444' MD: 2390 TVD: 8.1° DEG: 149.8° AZI:: 2' RIGHT:				
13:30	14:00	0.50	INT-DRL	RIGSER	PP		RIG SERVICE:				
14:00	0:00	10.00	INT-DRL	DRLCPA	PP		BUILD CURVE SLIDE DRLG F/ 2450' TO 2603': 153' @ 15.3 FT/HR: 18 WOB: 35 RPM: 69 RPM @ BIT: 434 GPM W/ 1330 PSI ON BOTTOM: 1250 PSI OFF BOTTOM: SURVEY @ 2551' MD: 2545 TVD: 21° INC: 158.2° AZI:: 1' BELOW: 6' LEFT:				
24.00 = Total Hours Today											
06:00 UPDATE											
0000-0600 BUILD CURVE SLIDE DRLG F/ 2603' TO 2698': 95' @ 15.8 FT/HR: 32 WOB: 35 RPM: 69 RPM @ BIT: 434 GPM W/ 1330 PSI ON BOTTOM: 1100 PSI OFF BOTTOM: SURVEY @ 2614' MD: 2302 TVD: 26.5° INC: 160.7° AZI:: 1' BELOW: 8' 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		
5 / 1	11.000	VAREL		EHO4	1285115	4x16	2,303.00 / 03-15-2012		-----		



APACHE CORPORATION
Daily Drilling Report

Page 2 of 3

WELLBORE NAME UNIVERSITY LANDS A 37 6H										DATE 03-16-2012
API # 4210335972 00	24 HRS PROG 286.0 (ft)	TMD 2,603.0 (ft)	TVD 2,593.0 (ft)	REPT NO 18						

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	15/32	35/35	438.06	1360	277.91	18.50	286.0	15.5	20.50	300.0	14.6

MOTOR OUTPUT

RPV: 0.16rev/gal	ROTARY CURRENT: 35	TOTAL RPM: 105
LCM: 0.0	MUD TYPE: BRINE	

VIS (s/qt)	PV/YP (cp) / (lb/100ft ²)	GELS (lb/100ft ²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd) / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
29.00	0.00/0	0/0	0.0/0.0	0.0/0.00	0.00/0.00	0.00/0.0	9.50/0.00	0.00/0.00	0	0	0.0000	0	0.00
Density (ppg)	9.70	ECD (ppg)	0.00	PP (ppg)	0.00	DAILY COST	314.00	CUM COST	3377	%OIL	0.00	% H2O	0.00

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)	85.0 (kip)	80.0 (kip)	75.0 (kip)	(ft-lbf)	1,968.36 (ft)					

COMPONENT TYPE	ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
	4.5" DP	20	634.64	4.500	3.826	4.500	XH
	4.5" HWDP	30	926.26	4.500	3.250	4.500	XH
	4.5" DP	30	950.02	4.500	3.826	4.500	XH
	X-OVER	1	2.41	6.750	3.250	4.500	XH
	8" MONEL	1	28.30	7.875	3.250	6.625	API REG
	8" MONEL	1	29.35	7.875	3.250	6.625	API REG
	UBHO SUB	1	2.86	7.938		6.625	API REG
	.16 REV/GAL.	1	28.16	7.750		6.625	API REG
	EHO4 VAREL	1	1.00	11.000	3.500	6.625	API REG

SURVEY

TYPE	MD (ft)	DEG (°)	AZI (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	V.SECT (ft)	D.L (°/100ft)
	2,603.00	25.30	162.00	2,593.0	-60.49	23.80	-60.03	8.75
	2,551.00	21.00	158.20	2,545.2	-41.26	16.91	-40.94	9.05
	2,519.00	18.20	156.00	2,515.1	-31.37	12.74	-31.13	9.27
	2,487.00	15.30	153.80	2,484.5	-23.02	8.85	-22.85	8.23
	2,455.00	12.70	152.10	2,453.4	-16.12	5.34	-16.02	7.23
	2,423.00	10.40	150.80	2,422.1	-10.49	2.28	-10.44	7.21
	2,391.00	8.10	149.70	2,390.5	-6.02	-0.27	-6.02	7.10
	2,360.00	5.90	150.00	2,359.7	-2.75	-2.17	-2.79	6.57
	2,328.00	3.80	149.00	2,327.8	-0.42	-3.53	-0.49	5.00
	2,296.00	2.20	148.10	2,295.9	1.01	-4.41	0.93	4.31

CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
OH	SURFACE	13.375	48.00	H-40	1,000.0
OH	CONDUCTOR				

MUD PUMPS/HYDRAULICS					SPP: 1360 (psi)	SPR	
STROKE	SPM	LINER	FLOW RATE	AV(DP):	AV(DC):	SPM	PPSR
# 1	10.00	107.00	6.500	438.1	HP: 0.747 (hp/in ²)		



APACHE CORPORATION
Daily Drilling Report

Page 1 of 3

WELLBORE NAME UNIVERSITY LANDS A 37 6H	DATE 03-17-2012
---	--------------------

API # 4210335972 00	24 HRS PROG 340.0 (ft)	TMD 2,943.0 (ft)	TVD 2,859.1 (ft)	REPT NO 19
------------------------	---------------------------	---------------------	---------------------	---------------

RIG NAME NO CAPSTAR 119	FIELD NAME DUNE	AUTH TMD 7,654.00 (ft)	PLANNED DOW 16.00 (days)	DFS / KO 8.38 (days)	DOL 12.75 (days)
----------------------------	--------------------	---------------------------	-----------------------------	-------------------------	---------------------

SPUD DATE 03-09-2012 15:00	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
-------------------	-----------------------------	-----------------------	--------------------------	------------------------------	----------------------------

APE # PA-12-0031-D DESCRIPTION: DRL HORIZ GRAYBURG WELL 3008' TVD; 7654' MD	APE COSTS DHC: 1,209,500 DCC: CWC: Others: TOTAL: 1,209,500	DAILY COSTS DHC: 33,429 DCC: CWC: Others: TOTAL: 33,429	CUMULATIVE COSTS DHC: 661,355 DCC: CWC: Others: TOTAL: 661,355
--	--	--	---

DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)	LAST SAFETY MEETING 3/17/2012	BLOCK	OCSG#	TARGET FORMATION GRAYBURG	BHA HRS OF SERVICE 46.00
--	----------------------------------	-------	-------	------------------------------	-----------------------------

LAST SURVEY MD 2,952.00 (ft) INC 51.30° AZM 166.50°	LAST CSG SHOE TEST (EMW)	LAST CASING 13.375 in @ 1,000.0 ft	NEXT CASING 8.625 in @ 2,950.0 ft
--	--------------------------	---------------------------------------	--------------------------------------

CURRENT OPERATIONS: TOH F/ 8-5/8" INTRM. CSG:

24 HR SUMMARY: BUILD CURVE SLIDE DRLG F/ 2603' TO 2793': RIG SERVICE: DRLG F/ 2793' TO 2943': 150' @ 15.0 FT/HR: 18 WOB: 35 RPM: 69 RPM @ BIT: 434 GPM W/ 1310 PSI ON BOTTOM: 1260 PSI OFF BOTTOM: SURVEY @ 2867' MD: 2807 TVD: 43.9° INC: 166.0° AZI:: 1.0' BELOW: 11.0' LEFT

24 HR FORECAST: DRLG TO 2952' MD: 2865' TVD: CIRC FLUID CALIPER: TOH F/ CASING:

DAILY OP COMMENTS

BUILD CURVE SLIDE DRLG F/ 2603' TO 2793': RIG SERVICE: DRLG F/ 2793' TO 2943': 150' @ 15.0 FT/HR: 18 WOB: 35 RPM: 69 RPM @ BIT: 434 GPM W/ 1310 PSI ON BOTTOM: 1260 PSI OFF BOTTOM: SURVEY @ 2867' MD: 2807 TVD: 43.9° INC: 166.0° AZI:: 1.0' BELOW: 11.0' LEFT

OPERATION SUMMARY

From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY
0:00	13:00	13.00	INT-DRL	DRLCPA	PP		BUILD CURVE SLIDE DRLG F/ 2603' TO 2793': 190' @ 14.6 FT/HR: 18 WOB: 35 RPM: 69 RPM @ BIT: 434 GPM W/ 1330 PSI ON BOTTOM: 1295 PSI OFF BOTTOM: SURVEY @ 2741' MD: 2710 TVD: 36.0° INC: 164.4° AZI:: 0' BELOW: 11' LEFT:
13:00	14:00	1.00	INT-DRL	RIGSER	PP		RIG SERVICE
14:00	0:00	10.00	INT-DRL	DRLCPA	PP		BUILD CURVE SLIDE DRLG F/ 2793' TO 2943': 150' @ 15.0 FT/HR: 18 WOB: 35 RPM: 69 RPM @ BIT: 434 GPM W/ 1310 PSI ON BOTTOM: 1260 PSI OFF BOTTOM: SURVEY @ 2867' MD: 2807 TVD: 43.9° INC: 166.0° AZI:: 1.0' BELOW: 11.0' LEFT:

24.00 = Total Hours Today

06:00 UPDATE

0000-0600 BUILD F/ 2943' TO 2952': 9' @ 18 FT/HR: 18 WOB: 35 RPM: 69 RPM @ BIT: 434 GPM W/ 1310 PSI ON BOTTOM: 1260 PSI OFF BOTTOM: SURVEY @ 2900' MD: 2830 TVD: 46.5° INC: 166.6° AZI:: 1.0' BELOW: 11.0' LEFT: CIRC FLUID CALIPER: TOH F/ CASING:

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	EHO4	1285115	4x16	2,303.00 / 03-15-2012	-----

BIT OPERATIONS

BIT / RUN	WOB	RPM	FLOW RATE	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP
5/1	18/35	35/35	429.87	1330	267.62	23.50	340.0	14.5	44.00	640.0	14.5

MOTOR OUTPUT

RPV: 0.16rev/gal	ROTARY CURRENT: 0	TOTAL RPM: 69
------------------	-------------------	---------------



APACHE CORPORATION
Daily Drilling Report

Page 2 of 3

WELLBORE NAME				DATE
UNIVERSITY LANDS A 37 6H				03-17-2012
API #	24 HRS PROG	TMD	TVD	REPT NO
4210335972 00	340.0 (ft)	2,943.0 (ft)	2,859.1 (ft)	19

LCM:	0.0	MUD PROPERTIES					MUD TYPE: BRINE				
------	-----	----------------	--	--	--	--	-----------------	--	--	--	--

VIS (s/qt)	PV/YP (cp) / (lb/100ft ²)	GELS (lb/100ft ²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H ₂ S (%)	KCL (ppm)	LGS (%)
29.00	0.00/0	0/0	0.0/0.0	0.0/0.00	0.00/0.00	0.00/0.0	9.50/0.00	0.00/0.00	0	0	0.0000	0	0.00

Density (ppg)	9.70	ECD (ppg)	0.00	PP (ppg)	0.00	DAILY COST	0.00	CUM COST	3377	%OIL	0.00	% H ₂ O	0.00
---------------	------	-----------	------	----------	------	------------	------	----------	------	------	------	--------------------	------

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)		90.0 (kip)		85.0 (kip)		80.0 (kip)		(ft-lbf)		1,968.36 (ft)		

COMPONENT TYPE		ITEM DESCRIPTION			NO JTS	LENGTH	O.D	I.D	CONN SIZE		CONN TYPE	
		4.5" DP			20	974.64	4.500	3.826	4.500		XH	
		4.5" HWDP			30	926.26	4.500	3.250	4.500		XH	
		4.5" DP			30	950.02	4.500	3.826	4.500		XH	
		X-OVER			1	2.41	6.750	3.250	4.500		XH	
		8" MONEL			1	28.30	7.875	3.250	6.625		API REG	
		8" MONEL			1	29.35	7.875	3.250	6.625		API REG	
		UBHO SUB			1	2.86	7.938		6.625		API REG	
		.16 REV/GAL.			1	28.16	7.750		6.625		API REG	
		EHO4 VAREL			1	1.00	11.000	3.500	6.625		API REG	

SURVEY

TYPE	MD (ft)	DEG (°)	AZI (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	V.SECT (ft)	D.L (°/100ft)
	2,952.00	51.30	166.50	2,864.7	-267.82	80.17	-266.27	9.23
	2,900.00	46.50	166.60	2,830.6	-229.72	71.06	-228.34	7.98
	2,867.00	43.90	166.00	2,807.3	-206.97	65.51	-205.70	6.59
	2,835.00	41.80	165.70	2,783.9	-185.87	60.20	-184.71	4.67
	2,805.00	40.40	165.60	2,761.2	-166.76	55.31	-165.70	6.92
	2,773.00	38.20	165.20	2,736.5	-147.15	50.20	-146.18	7.04
	2,741.00	36.00	164.40	2,711.0	-128.52	45.14	-127.65	6.50
	2,709.00	34.00	163.40	2,684.8	-110.89	40.06	-110.12	6.82
	2,677.00	31.90	162.30	2,657.9	-94.26	34.93	-93.59	8.20
	2,646.00	29.40	161.40	2,631.2	-79.24	30.01	-78.66	9.56

CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
OH	SURFACE	13.375	48.00	H-40	1,000.0
OH	CONDUCTOR				

MUD PUMPS/HYDRAULICS					SPP: 1330 (psi)			SPR		
	STROKE	SPM	LINER	FLOW RATE	AV(DP):			SPM		PPSR
# 1	10.00	105.00	6.500	429.9	AV(DC):					
					HP: 0.706 (hp/in ²)					

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
CAPSTAR DRILLING Inc. PUSHES	1	24.00	TOTAL ENERGY SERVICES	1	24.00
DDC	2	48.00	DDC	2	48.00
SUTTLES MUD LOGGERS	2	0.00	CAPSTAR DRILLING Inc. CREW	9	72.00

TOTAL PERSONNEL ON BOARD: 17

TOTAL HOURS ON BOARD: 216



APACHE CORPORATION
Daily Drilling Report

Page 1 of 3

WELLBORE NAME UNIVERSITY LANDS A 37 6H						DATE 03-18-2012					
API # 4210335972 00		24 HRS PROG 9.0 (ft)		TMD 2,952.0 (ft)		TVD 2,864.7 (ft)		REPT NO 20			
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE		AUTH TMD 7,654.00 (ft)		PLANNED DOW 16.00 (days)		DFS / KO 9.38 (days)		DOL 13.75 (days)	
SPUD DATE 03-09-2012 15:00		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-12-0031-D		AFE COSTS		DAILY COSTS				CUMULATIVE COSTS			
DESCRIPTION: DRL HORIZ GRAYBURG WELL 3008' TVD; 7654' MD		DHC: 1,209,500 DCC: CWC: Others: TOTAL: 1,209,500		DHC: 151,708 DCC: CWC: Others: TOTAL: 151,708				DHC: 813,063 DCC: CWC: Others: TOTAL: 813,063			
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)		LAST SAFETY MEETING 3/18/2012		BLOCK		OCSG#		TARGET FORMATION GRAYBURG		BHA HRS OF SERVICE 46.50	

LAST SURVEY				LAST CSG SHOE TEST (EMW)		LAST CASING		NEXT CASING	
MD 2,952.00 (ft) INC 51.30° AZM 166.50°						13.375 in @ 1,000.0 ft		8.625 in @ 2,950.0 ft	

CURRENT OPERATIONS: ND BOP'S & CUT OFF RENTAL HEAD:

24 HR SUMMARY: BUILD CURVE F/ 2943' TO 2952': 9' @ 18 FT/HR: SURVEY @ 2900' MD: 2830 TVD: 46.5° INC: 166.6° AZI:: 1.0' BELOW: 11.0' LEFT: CIRC FLUID CALIPER: TOH & RUN CSG: CMT W/ 650 SKS LEAD: 200 SKS TAIL: RD O-TEX: WAIT ON TEMP SURVEY:

24 HR FORECAST: NU BOP & TEST: PU DIR. TOOLS: TIH DRLG CURVE & LATERAL SECTION:

DAILY OP COMMENTS

BUILD CURVE F/ 2943' TO 2952': 9' @ 18 FT/HR: SURVEY @ 2900' MD: 2830 TVD: 46.5° INC: 166.6° AZI:: 1.0' BELOW: 11.0' LEFT: CIRC FLUID CALIPER: TOH & RUN CSG: CMT W/ 650 SKS LEAD: 200 SKS TAIL: RD O-TEX: WAIT ON TEMP SURVEY:

OPERATION SUMMARY

From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY
0:00	0:30	0.50	INT-DRL	DRLCPA	PP		BUILD CURVE F/ 2943' TO 2952': 9' @ 18 FT/HR: 18 WOB: 35 RPM: 69 RPM @ BIT: 434 GPM W/ 1310 PSI ON BOTTOM: 1260 PSI OFF BOTTOM: SURVEY @ 2900' MD: 2830 TVD: 46.5° INC: 166.6° AZI:: 1.0' BELOW: 11.0' LEFT:
0:30	1:00	0.50	INT-DRL	CIRRUN	PP		CIRC & PUMP SWEEP
1:00	2:00	1.00	INT-DRL	CIRC	PP		CIRC: RUN ELLISION FLUID CALIPER: ANNULAR VOL. TO TD 1379 FT³:
2:00	2:30	0.50	INT-DRL	TRIP	PP		TOH TO 2856': WORK TIGHT HOLE 85K DRAG:
2:30	5:00	2.50	INT-DRL	CIRC	PN	SP	CIRC & BUILD SWEEP: PUMP 50 BBL HI VISC. SWEEP:
5:00	9:30	4.50	INT-DRL	TRIP	PP		TOH F/ INTRM. CASING:
9:30	11:00	1.50	INT-CSG	CSG	PP		RU FLOOR & LEWIS CSG CREW: MOVE DIRECTIONAL TOOLS OFF RACKS & LOAD OUT:
11:00	14:00	3.00	INT-CSG	R_PCSG	PP		HSM: RUN 69 JTS. 8.625" 32# J55 CSG
14:00	20:00	6.00	INT-CMT	WOC	PN	CM	WAIT ON CEMENT BULK TRUCK:
20:00	22:00	2.00	INT-CMT	CMTPRI	PP		RU O-TEX & CEMENT W/ 650 SKS LEAD: 200 SKS TAIL: DISP W/ 177 BBLS F/W: BUMP PLUG @ 22:00 HRS: FULL CIRC: NO CMT TP SURF.
22:00	23:00	1.00	INT-CMT	CIRC	PP		RD O-TEX & RUN 126' OF 1": CIRC NO CMT:
23:00	0:00	1.00	INT-CMT	WOC	PP		WAIT ON TEMP SURVEY:

24.00 = Total Hours Today

06:00 UPDATE

0000-0600 WAIT ON TEMP SURVEY: RUN TEMP SURVEY TOC @ 135': RU O-TEX & TOP OUT W/ 100 SKS @ 14.8 W/ 2%CACL: RD O-TEX: ND 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	EHO4	1285115	4x16	2,303.00 / 03-15-2012	-----



APACHE CORPORATION
Daily Drilling Report

Page 2 of 3

WELLBORE NAME UNIVERSITY LANDS A 37 6H										DATE 03-18-2012
API # 4210335972 00	24 HRS PROG 9.0 (ft)	TMD 2,952.0 (ft)	TVD 2,864.7 (ft)	REPT NO 20						

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	35/35	35/35	429.87	1330	267.62	0.50	9.0	18.0	44.50	649.0	14.6

MOTOR OUTPUT

RPV: 0.16rev/gal	ROTARY CURRENT: 0	TOTAL RPM: 69
LCM: 0.0	MUD TYPE: BRINE	

VIS (s/qt)	PV/YP (cp) / (lb/100ft ²)	GELS (lb/100ft ²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd) / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
29.00	0.00/0	0/0	0.0/0.0	0.0/0.00	0.00/0.00	0.00/0.0	9.50/0.00	0.00/0.00	0	0	0.0000	0	0.00
Density (ppg)	9.70	ECD (ppg)	0.00	PP (ppg)	0.00	DAILY COST	0.00	CUM COST	3377	%OIL	0.00	% H2O	0.00

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)	95.0 (kip)		85.0 (kip)		85.0 (kip)		(ft-lbf)		1,968.36 (ft)	

COMPONENT TYPE	ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
	4.5" DP	91	983.64	4.500	3.826	4.500	XH
	4.5" HWDP	30	926.26	4.500	3.250	4.500	XH
	4.5" DP	30	950.02	4.500	3.826	4.500	XH
	X-OVER	1	2.41	6.750	3.250	4.500	XH
	8" MONEL	1	28.30	7.875	3.250	6.625	API REG
	8" MONEL	1	29.35	7.875	3.250	6.625	API REG
	UBHO SUB	1	2.86	7.938		6.625	API REG
	.16 REV/GAL.	1	28.16	7.750		6.625	API REG
	EHO4 VAREL	1	1.00	11.000	3.500	6.625	API REG

CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
OH	SURFACE	13.375	48.00	H-40	1,000.0
OH	INTERMEDIATE 1	8.625	32.00	J55	2,952.0
OH	CONDUCTOR				

MUD PUMPS/HYDRAULICS					SPP		
	STROKE	SPM	LINER	FLOW RATE	1330 (psi)		
# 1	10.00	105.00	6.500	429.9	AV(DP):		
					AV(DC):		
					HP: 0.706 (hp/in ²)		
					SPR		
					SPM		
					PPSR		

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
TOTAL ENERGY SERVICES	1	24.00	CAPSTAR DRILLING Inc. PUSHES	1	24.00
SUTTLES MUD LOGGERS	2	0.00	DDC	2	48.00
DDC	2	48.00	LEWIS CASING CREWS	4	12.00
O-TEX PUMPING	5	60.00	CAPSTAR DRILLING Inc. CREW	9	72.00

TOTAL PERSONNEL ON BOARD: 26

TOTAL HOURS ON BOARD: 288

MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
DIESEL, RIG FUEL	gal	561	4551				



APACHE CORPORATION
Daily Drilling Report

Page 1 of 3

WELLBORE NAME UNIVERSITY LANDS A 37 6H	DATE 03-19-2012
--	---------------------------

API # 4210335972 00	24 HRS PROG (ft)	TMD 2,952.0 (ft)	TVD 2,864.7 (ft)	REPT NO 21
-------------------------------	----------------------------	----------------------------	----------------------------	----------------------

RIG NAME NO CAPSTAR 119	FIELD NAME DUNE	AUTH TMD 7,654.00 (ft)	PLANNED DOW 16.00 (days)	DFS / KO 10.38 (days)	DOL 14.75 (days)
-----------------------------------	---------------------------	----------------------------------	------------------------------------	---------------------------------	----------------------------

SPUD DATE 03-09-2012 15:00	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
--------------------------	------------------------------------	------------------------------	---------------------------------	-------------------------------------	-----------------------------------

APE # PA-12-0031-D	APE COSTS	DAILY COSTS	CUMULATIVE COSTS
DESCRIPTION: DRL HORIZ GRAYBURG WELL 3008' TVD; 7654' MD	DHC: 1,209,500 DCC: CWC: Others: TOTAL: 1,209,500	DHC: 33,945 DCC: CWC: Others: TOTAL: 33,945	DHC: 847,007 DCC: CWC: Others: TOTAL: 847,007

DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)	LAST SAFETY MEETING 3/19/2012	BLOCK	OCSG#	TARGET FORMATION GRAYBURG	BHA HRS OF SERVICE 0.00
---	---	--------------	--------------	-------------------------------------	-----------------------------------

LAST SURVEY	LAST CSG SHOE TEST (EMW)	LAST CASING	NEXT CASING
MD 2,952.00 (ft) INC 51.30° AZM 166.50°		13.375 in @ 1,000.0 ft	8.625 in @ 2,950.0 ft

CURRENT OPERATIONS: DRLG CURVE @ 3008': 10-15 WOB: 143 RPM @ BIT: 434 GPM W/ 1163 PSI: NO SURVEY DATA AVAILABLE

24 HR SUMMARY: RUN TEMP SURVEY: TOC @ 135': TOP OUT W/ 100 SKS (24 BBLs): ND BOP: REPLACE RENTAL HEAD: NU & TEST BOPE: RU FLOOR: SLM BHA #6: RIG SERV: PU BHA #6 & DIRECTIONAL TOOLS: ORIENTATE MWD TOOL:

24 HR FORECAST: FINISH DRLG CURVE: DRLG LATERAL SECTION

DAILY OP COMMENTS

RUN TEMP SURVEY: TOC @ 135': TOP OUT W/ 100 SKS (24 BBLs): ND BOP: REPLACE RENTAL HEAD: NU & TEST BOPE: RU FLOOR: SLM BHA #6: RIG SERV: PU BHA #6 & DIRECTIONAL TOOLS: ORIENTATE MWD TOOL:

OPERATION SUMMARY

From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY
0:00	2:00	2.00	INT-CMT	WOC	PP		WAIT ON TEMP SURVEY TTRUCK:
2:00	3:30	1.50	INT-CMT	WOC	PP		RU & RUN TEMP SURVEY: TOC @ 135':
3:30	4:30	1.00	INT-CMT	CMTPRI	PP		RU O-TEX & TOP OUT W/ 100 SKS (24 BBLs) @ 14.8 PPG :
4:30	5:00	0.50	INT-CMT	RU_RD	PP		RD O-TEX: LD 1" PIPE:
5:00	7:30	2.50	INT-NUP	BOPS	PP		ND FLOWLINE & CHOKOE: PU BOP: CUT CSG & ND BOP:
7:30	10:30	3.00	INT-NUP	WLHEAD	PP		CUT OFF RENTAL HEAD & INSTALL 8-5/5" x 11" x 5M SOW HEAD:
10:30	16:00	5.50	INT-NUP	BOPS	PP		NU BOP: CHOKE MAN: & FLOWLINE:
16:00	16:30	0.50	INT-NUP	BOPS	PP		TEST BOP & CSG: LOW 250: HIGH 1000:
16:30	18:00	1.50	INT-DRL	RU_RD	PP		RU FLOOR: IRON ROUGHNECKS: LD CSG TOOLS:
18:00	20:00	2.00	INT-DRL	TRIP	PP		MOVE BHA #5 OFF RACK & MOVE BHA #6 TO RACKS: SLM BHA #6
20:00	20:30	0.50	INT-DRL	RIGSER	PP		RIG SERVICE
20:30	0:00	3.50	INT-DRL	TRIPBHA	PP		PU BHA #6: & DIRECTIONAL TOOLS: BIT: 1.83° MOTOR: UBHO SUB: (2) NMDC: INSTALL MWD & ORIENTATE MWD TOOL:

24.00 = Total Hours Today

06:00 UPDATE

0000-0600 TIH TO 2790': INSTALL ROTATING RUBBER: TIH & TAG CMT @ 2884': DRLG CMT & FLOAT EQUIP: TAG FLOAT @ 2905': DRLG F/ 2952' TO 3008': 56' @ 22.4 FT/HR: NO SURVEY DATA AVAILABLE

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	1181637	5x16	2,952.00 / 03-19-2012	-----



APACHE CORPORATION
Daily Drilling Report

Page 2 of 3

WELLBORE NAME UNIVERSITY LANDS A 37 6H				DATE 03-19-2012
API # 4210335972 00	24 HRS PROG (ft)	TMD 2,952.0 (ft)	TVD 2,864.7 (ft)	REPT NO 21

MOTOR OUTPUT

RPV: 0.33rev/gal	ROTARY CURRENT:	TOTAL RPM:
LCM: 0.0	MUD PROPERTIES	MUD TYPE: BRINE

VIS (s/qt)	PV/YP (cp) / (lb/100ft ²)	GELS (lb/100ft ²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H ₂ S (%)	KCL (ppm)	LGS (%)
29.00	0.00/0	0/0	0.0/0.0	0.0/0.00	0.00/0.00	0.00/0.0	9.50/0.00	0.00/0.00	170,000	0	0.0000	0	0.00

Density (ppg)	10.00	ECD (ppg)	0.00	PP (ppg)	0.00	DAILY COST	3,338.00	CUM COST	6715	%OIL	0.00	% H ₂ O	0.00
---------------	-------	-----------	------	----------	------	------------	----------	----------	------	------	------	--------------------	------

BHA	6	JAR S/N		BHA / HOLE CONDITIONS				JAR HRS		BIT	6
-----	---	---------	--	-----------------------	--	--	--	---------	--	-----	---

BHA WT BELOW JARS	STRING WT UP	STRING WT DN	STRING WT ROT	TORQUE/UNITS	BHA LENGTH
(kip)	(kip)	(kip)	(kip)	(ft-lbf)	92.98 (ft)

COMPONENT TYPE	ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
	4.5	93	2,859.02	4.500	3.326		XH
	SLICK NMDC	1	30.79	6.250	3.250	4.500	XH
	SLICK NMDC	1	30.74	6.000	3.250	4.500	XH
	UBHO	1	3.01	6.250		4.500	XH
	1.83° BEND:33 REV	1	27.44	6.250		4.500	XH
	SEC FX 55M	1	1.00	11.000	3.000	4.500	API REG

CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
OH	SURFACE	13.375	48.00	H-40	1,000.0
OH	INTERMEDIATE 1	8.625	32.00	J55	2,952.0
OH	CONDUCTOR				

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

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
TOTAL ENERGY SERVICES	1	24.00	CAPSTAR DRILLING Inc. PUSHER	1	24.00
DDC	2	48.00	DDC	2	48.00
SUTTLES MUD LOGGERS	2	24.00	CAPSTAR DRILLING Inc. CREW	9	72.00

TOTAL PERSONNEL ON BOARD: 17

TOTAL HOURS ON BOARD: 240

MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
DIESEL, RIG FUEL	gal	623	3928				

SAFETY DRILLS

RAMS (psi)	ANNULARS (psi)	CASING	LAST BOP PRESS TEST	NEXT BOP PRESS TEST	FIRE DRILL	H ₂ S DRILL	ABND. DRILL
1000	03-19-2012 / 1000	03-19-2012 / 1,000.00	03-19-2012	04-02-2012			

INCIDENT REPORT

INCIDENTS TYPE NONE LOST TIME? NO INCIDENTS DESCRIPTION



APACHE CORPORATION

Page 1 of 3

Daily Drilling Report

WELLBORE NAME UNIVERSITY LANDS A 37 6H						DATE 03-20-2012						
API # 4210335972 00		24 HRS PROG 474.0 (ft)		TMD 3,426.0 (ft)		TVD 3,024.4 (ft)		REPT NO 22				
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE		AUTH TMD 7,654.00 (ft)		PLANNED DOW 16.00 (days)		DFS / KO 11.38 (days)		DOL 15.75 (days)		
SPUD DATE 03-09-2012 15:00		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-12-0031-D		AFE COSTS		DAILY COSTS				CUMULATIVE COSTS				
DESCRIPTION: DRL HORIZ GRAYBURG WELL 3008' TVD; 7654' MD		DHC: 1,209,500 DCC: CWC: Others: TOTAL: 1,209,500		DHC: 35,382 DCC: CWC: Others: TOTAL: 35,382				DHC: 883,338 DCC: CWC: Others: TOTAL: 883,338				
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)		LAST SAFETY MEETING 3/20/2012		BLOCK		OCSG#		TARGET FORMATION GRAYBURG		BHA HRS OF SERVICE 22.00		
LAST SURVEY				LAST CSG SHOE TEST (EMW)		LAST CASING		NEXT CASING				
MD 3,329.00 (ft) INC 81.30° AZM 163.90°						8.625 in @ 2,952.0 ft		5.500 in @ 7,602.0 ft				
CURRENT OPERATIONS: DRLG LATERAL @ 3633' MD: 3015' TVD: 12 WOB: 40 RPM: 142 RPM @ BIT: 430 GPM W/ 1350# ON BTM: 1075# OFF BTM:												
24 HR SUMMARY: TIH TO 2790': DRLG CMT & FLOAT EQUIP: F/C @ 2905': SHOE @ 2952': DRLG F/ 2952' TO 3426': 474' @ 23.1 FT/HR: 12 WOB: 40 RPM: 142 RPM @ BIT: 430 GPM W/ 1350# ON BTM: 1075# OFF BTM: SVY @ 3371' MD: 3014 TVD: 85.2° INC:165.7° AZI:: 1.0' BELOW: 2.0' LEFT:												
24 HR FORECAST: DRLG LATERAL SECTION												
DAILY OP COMMENTS												
TIH TO 2790': DRLG CMT & FLOAT EQUIP: F/C @ 2905': SHOE @ 2952': DRLG F/ 2952' TO 3426': 474' @ 23.1 FT/HR: 12 WOB: 40 RPM: 142 RPM @ BIT: 430 GPM W/ 1350# ON BTM: 1075# OFF BTM: SVY @ 3371' MD: 3014 TVD: 85.2° INC:165.7° AZI:: 1.0' BELOW: 2.0' LEFT:												
OPERATION SUMMARY												
From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY					
0:00	2:30	2.50	INT-DRL	TRIP	PP		TIH TO 2790': INSTALL ROTATING RUBBER: TIH TO 2884: TAG CMT:					
2:30	3:30	1.00	INT-DRL	DOCMT	PP		DRLG CMT & FLOAT EQUIP: FLOAT COLLAR @ 2905': CSG SHOE @ 2952':					
3:30	0:00	20.50	INT-DRL	DRLCPA	PP		DRLG CURVE F/ 2952' TO 3426': 474' @ 23.1 FT/HR: 10-12 WOB: 35-40 RPM: 142 RPM @ BIT: 430 GPM W/ 1350 PSI ON BOTTOM: 1075 PSI OFF BOTTOM: SURVEY @ 3371' MD: 3014 TVD: 85.2° INC: 165.7° AZI:: 1.0' BELOW: 2.0' LEFT: LAND @ 3520' MD: 3013' TVD: 92.4° INC: 165.4° AZI:					
24.00 = Total Hours Today												
06:00 UPDATE												
0000-0600 DRLG CURVE F/ 3426' TO 3633': 204' @ 34.5 FT/HR: 10-12 WOB: 35-40 RPM: 142 RPM @ BIT: 430 GPM W/ 1350 PSI ON BOTTOM: 1075 PSI OFF BOTTOM: SURVEY @ 3467' MD: 3015 TVD: 92.4° INC: 165.4° AZI:: 1.0' BELOW: 2.0' LEFT: LAND @ 3520' MD: 3013' TVD: 92.4° INC: 165.4° AZI:												
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	1181637	5x16		2,952.00 / 03-19-2012		-----	
6 / 1		7.875	SECURITY DBS		FX55M	11816367	5x16		2,952.00 / 03-20-2012		-----	
BIT OPERATIONS												
BIT / RUN		WOB	RPM	FLOW RATE	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP
6/1		10/25	35/40	429.87	1350	194.23	20.50	474.0	23.1	20.50	474.0	23.1
MOTOR OUTPUT												
RPV: 0.33rev/gal				ROTARY CURRENT: 40				TOTAL RPM: 182				



APACHE CORPORATION

Page 2 of 3

Daily Drilling Report

WELLBORE NAME				DATE
UNIVERSITY LANDS A 37 6H				03-20-2012
API #	24 HRS PROG	TMD	TVD	REPT NO
4210335972 00	474.0 (ft)	3,426.0 (ft)	3,024.4 (ft)	22

LCM:	0.0	MUD PROPERTIES					MUD TYPE: BRINE				
------	-----	----------------	--	--	--	--	-----------------	--	--	--	--

VIS (s/qt)	PV/YP (cp) / (lb/100ft ²)	GELS (lb/100ft ²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H ₂ S (%)	KCL (ppm)	LGS (%)
29.00	0.00/0	0/0	0.0/0.0	0.0/0.00	0.00/0.00	0.00/0.0	9.50/0.00	0.00/0.00	176,000	0	0.0000	0	0.00

Density (ppg)	11.00	ECD (ppg)	0.00	PP (ppg)	0.00	DAILY COST	2,826.00	CUM COST	9541	%OIL	0.00	% H ₂ O	0.00
---------------	-------	-----------	------	----------	------	------------	----------	----------	------	------	------	--------------------	------

BHA	6	JAR S/N		BHA / HOLE CONDITIONS					JAR HRS		BIT	6
-----	---	---------	--	-----------------------	--	--	--	--	---------	--	-----	---

BHA WT BELOW JARS		STRING WT UP		STRING WT DN		STRING WT ROT		TORQUE/UNITS		BHA LENGTH	
(kip)		70.0 (kip)		65.0 (kip)		68.0 (kip)		(ft-lbf)		92.98 (ft)	

COMPONENT TYPE		ITEM DESCRIPTION			NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
		4.5" DP			105	3,333.02	4.500	3.826	4.500	XH
		SLICK NMDC			1	30.74	6.125	2.875	4.500	XH
		SLICK NMDC			1	30.79	6.375	2.875	4.500	XH
		UBHO			1	3.01	6.500	3.750	4.500	XH
		1.183° BENT MTR			1	27.44	6.250		4.500	XH
		SEC FX 55M			1	1.00	7.875	2.750	4.500	API REG

SURVEY

TYPE	MD (ft)	DEG (°)	AZI (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	V.SECT (ft)	D.L (°/100ft)
	3,329.00	81.30	163.90	3,009.7	-602.06	159.27	-598.97	8.49
	3,276.00	76.80	163.90	2,999.7	-552.08	144.84	-549.26	6.41
	3,245.00	74.90	164.50	2,992.1	-523.16	136.66	-520.50	8.07
	3,213.00	72.90	166.20	2,983.2	-493.42	128.88	-490.91	8.10
	3,181.00	70.80	167.80	2,973.3	-463.79	122.04	-461.42	7.26
	3,150.00	68.60	168.30	2,962.5	-435.35	116.02	-433.09	7.51
	3,118.00	66.20	168.20	2,950.2	-406.43	110.00	-404.29	9.38
	3,086.00	63.20	168.30	2,936.5	-378.11	104.11	-376.09	8.48
	3,054.00	60.50	168.60	2,921.4	-350.46	98.46	-348.56	7.67
	3,023.00	58.20	167.90	2,905.6	-324.36	93.03	-322.55	9.55
	2,991.00	55.20	167.20	2,888.1	-298.24	87.27	-296.55	10.10

CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
OH	SURFACE	13.375	48.00	H-40	1,000.0
OH	INTERMEDIATE 1	8.625	32.00	J55	2,952.0
OH	CONDUCTOR				

MUD PUMPS/HYDRAULICS					SPP: 1350 (psi)	SPR	
	STROKE	SPM	LINER	FLOW RATE	AV(DP):		SPM
# 2	10.00	105.00	6.500	429.9	AV(DC):		PPSR
					HP: 1.000 (hp/in ²)		

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
TOTAL ENERGY SERVICES	1	24.00	CAPSTAR DRILLING Inc. PUSHES	1	24.00
SUTTLES MUD LOGGERS	2	24.00	DDC	2	48.00
DDC	2	48.00	CAPSTAR DRILLING Inc. CREW	9	72.00

TOTAL PERSONNEL ON BOARD: 17

TOTAL HOURS ON BOARD: 240

MATERIALS/CONSUMPTION



APACHE CORPORATION

Page 1 of 3

Daily Drilling Report

WELLBORE NAME UNIVERSITY LANDS A 37 6H						DATE 03-21-2012					
API # 4210335972 00		24 HRS PROG 823.0 (ft)		TMD 4,249.0 (ft)		TVD 2,994.1 (ft)		REPT NO 23			
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE		AUTH TMD 7,654.00 (ft)		PLANNED DOW 16.00 (days)		DFS / KO 12.38 (days)		DOL 16.75 (days)	
SPUD DATE 03-09-2012 15:00		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-12-0031-D		AFE COSTS		DAILY COSTS		CUMULATIVE COSTS					
DESCRIPTION: DRL HORIZ GRAYBURG WELL 3008' TVD; 7654' MD		DHC: 1,209,500 DCC: CWC: Others: TOTAL: 1,209,500		DHC: 68,434 DCC: CWC: Others: TOTAL: 68,434		DHC: 951,772 DCC: CWC: Others: TOTAL: 951,772					
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)		LAST SAFETY MEETING 3/21/2012		BLOCK		OCSG#		TARGET FORMATION GRAYBURG		BHA HRS OF SERVICE 45.50	
LAST SURVEY MD 4,227.00 (ft) INC 90.60° AZM 165.90°				LAST CSG SHOE TEST (EMW)		LAST CASING 8.625 in @ 2,952.0 ft		NEXT CASING 5.500 in @ 7,602.0 ft			
CURRENT OPERATIONS: DRLG LATERAL @ 4503' MD: 2988' TVD: 23 WOB: 50 RPM: 143 RPM @ BIT: 430 GPM W/ 1550# ON BTM: 1250# OFF BTM: SURVEY @ 4418' MD: 2988 TVD: 91.0° INC: 165.2° AZI: 0.0' BELOW: 4.0' LEFT:											
24 HR SUMMARY: DRLG LTRL F/ 3426' TO 3836': 410' @ 31.4 FT/HR: RIG SERV: DRLG LTRL F/ 3836' TO 4249': 413' @ 39.3 FT/HR: 20 WOB: 50 RPM: 142 RPM @ BIT: 430 GPM W/ 1500 PSI ON BTM: 1225 PSI OFF BTM: SRVY @ 4164' MD: 2994 TVD: 90.8° INC: 165.7° AZI: 7.0' BELOW: 5.0' LEFT											
24 HR FORECAST: DRLG LATERAL SECTION											
DAILY OP COMMENTS											
DRLG LTRL F/ 3426' TO 3836': 410' @ 31.4 FT/HR: RIG SERV: DRLG LTRL F/ 3836' TO 4249': 413' @ 39.3 FT/HR: 20 WOB: 50 RPM: 142 RPM @ BIT: 430 GPM W/ 1500 PSI ON BTM: 1225 PSI OFF BTM: SRVY @ 4164' MD: 2994 TVD: 90.8° INC: 165.7° AZI: 7.0' BELOW: 5.0' 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 LATERAL F/ 3426' TO 3836': 410' @ 31.4 FT/HR: 15-20 WOB: 45-50 RPM: 142 RPM @ BIT: 430 GPM W/ 1450 PSI ON BOTTOM: 1200 PSI OFF BOTTOM: SURVEY @ 3783' MD: 3000 TVD: 91.0° INC: 164.4° AZI: 12.0' BELOW: 4.0' LEFT:				
13:00	13:30	0.50	P-DRL	RIGSER	PP		RIG SERVICE				
13:30	0:00	10.50	P-DRL	DRLCPA	PP		DRLG LATERAL F/ 3836' TO 4249': 413' @ 39.3 FT/HR: 18-20 WOB: 50-55 RPM: 142 RPM @ BIT: 430 GPM W/ 1500 PSI ON BOTTOM: 1225 PSI OFF BOTTOM: SURVEY @ 4164' MD: 2994 TVD: 90.8° INC: 165.7° AZI: 7.0' BELOW: 5.0' LEFT:				
24.00 = Total Hours Today											
06:00 UPDATE											
0000-0600 DRLG LATERAL F/ 4249' TO 4503': 254' @ 42.3 FT/HR: 25 WOB: 50 RPM: 143 RPM @ BIT: 434 GPM W/ 1550 PSI ON BOTTOM: 1225 PSI OFF BOTTOM: SURVEY @ 4418' MD: 2988 TVD: 91.0° INC: 165.2° AZI: 0.0' BELOW: 4.0' 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		
6 / 1	7.875	SECURITY DBS		FX55M	1181637	5x16	2,952.00 / 03-19-2012		-----		
BIT OPERATIONS											
BIT / RUN	WOB	RPM	FLOW RATE	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP
6/1	15/20	40/55	429.87	1500	176.57	23.50	823.0	35.0	23.50	823.0	35.0
MOTOR OUTPUT											
RPV: 0.33rev/gal				ROTARY CURRENT: 55				TOTAL RPM: 197			



APACHE CORPORATION
Daily Drilling Report

Page 2 of 3

WELLBORE NAME				DATE
UNIVERSITY LANDS A 37 6H				03-21-2012
API #	24 HRS PROG	TMD	TVD	REPT NO
4210335972 00	823.0 (ft)	4,249.0 (ft)	2,994.1 (ft)	23

LCM:	0.0	MUD PROPERTIES					MUD TYPE: BRINE				
------	-----	----------------	--	--	--	--	-----------------	--	--	--	--

VIS (s/qt)	PV/YP (cp) / (lb/100ft ²)	GELS (lb/100ft ²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H ₂ S (%)	KCL (ppm)	LGS (%)
29.00	0.00/0	0/0	0.0/0.0	0.0/0.00	0.00/0.00	0.00/0.0	11.00/0.00	0.00/0.00	176,000	0	0.0000	0	0.00

Density (ppg)	10.00	ECD (ppg)	0.00	PP (ppg)	0.00	DAILY COST	0.00	CUM COST	9541	%OIL	0.00	% H ₂ O	0.00
---------------	-------	-----------	------	----------	------	------------	------	----------	------	------	------	--------------------	------

BHA	6	JAR S/N		BHA / HOLE CONDITIONS					JAR HRS		BIT	6
-----	---	---------	--	-----------------------	--	--	--	--	---------	--	-----	---

BHA WT BELOW JARS		STRING WT UP		STRING WT DN		STRING WT ROT		TORQUE/UNITS		BHA LENGTH	
(kip)		68.0 (kip)		55.0 (kip)		63.0 (kip)		(ft-lbf)		92.98 (ft)	

COMPONENT TYPE	ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
	4.5	93	4,156.02	4.500	3.326		XH
	SLICK NMDC	1	30.79	6.250	3.250	4.500	XH
	SLICK NMDC	1	30.74	6.000	3.250	4.500	XH
	UBHO	1	3.01	6.250		4.500	XH
	1.83° BEND:33 REV	1	27.44	6.250		4.500	XH
	SEC FX 55M	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)
	4,227.00	90.60	165.90	2,994.3	-1,469.29	388.93	-1,461.73	0.45
	4,164.00	90.80	165.70	2,995.1	-1,408.22	373.48	-1,400.96	1.00
	4,101.00	91.00	166.30	2,996.0	-1,347.09	358.24	-1,340.14	1.00
	4,037.00	91.40	165.80	2,997.4	-1,285.00	342.81	-1,278.34	1.81
	3,974.00	90.70	164.90	2,998.5	-1,224.06	326.88	-1,217.71	1.55
	3,910.00	90.00	164.20	2,998.9	-1,162.37	309.83	-1,156.35	1.12
	3,847.00	90.70	164.30	2,999.3	-1,101.74	292.73	-1,096.05	0.49
	3,783.00	91.00	164.40	3,000.3	-1,040.12	275.47	-1,034.76	1.21
	3,720.00	91.70	164.70	3,001.7	-979.41	258.69	-974.38	2.87
	3,657.00	93.50	164.90	3,004.6	-918.68	242.19	-913.97	0.35
	3,593.00	93.60	165.10	3,008.6	-856.98	225.66	-852.59	0.35
	3,530.00	93.50	165.30	3,012.5	-796.19	209.60	-792.11	1.75
	3,467.00	92.40	165.40	3,015.7	-735.32	193.68	-731.55	4.47
	3,435.00	91.00	165.70	3,016.7	-704.34	185.70	-700.73	8.46
	3,403.00	88.30	165.90	3,016.5	-673.32	177.85	-669.87	9.71
	3,371.00	85.20	165.70	3,014.6	-642.36	170.02	-639.05	9.39
	3,340.00	82.40	164.90	3,011.3	-612.55	162.20	-609.40	13.45
	3,308.00	79.40	164.20	3,006.3	-582.18	153.45	-579.20	8.18
	3,276.00	76.80	163.90	2,999.7	-552.08	144.84	-549.26	0.00
	3,245.00	74.90	164.50	2,992.1	-523.16	136.66	-520.50	0.00

CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
OH	SURFACE	13.375	48.00	H-40	1,000.0
OH	INTERMEDIATE 1	8.625	32.00	J55	2,952.0
OH	CONDUCTOR				

MUD PUMPS/HYDRAULICS					SPR		
	STROKE	SPM	LINER	FLOW RATE	AV(DP):	SPM	PPSR
# 2	10.00	105.00	6.500	429.9	AV(DC):		
					HP:		
					1500 (psi)		
					0.909 (hp/in ²)		



APACHE CORPORATION
Daily Drilling Report

Page 1 of 3

WELLBORE NAME UNIVERSITY LANDS A 37 6H						DATE 03-22-2012						
API # 4210335972 00		24 HRS PROG 674.0 (ft)		TMD 4,923.0 (ft)		TVD 2,992.4 (ft)		REPT NO 24				
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE		AUTH TMD 7,654.00 (ft)		PLANNED DOW 16.00 (days)		DFS / KO 13.38 (days)		DOL 17.75 (days)		
SPUD DATE 03-09-2012 15:00		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-12-0031-D		AFE COSTS		DAILY COSTS				CUMULATIVE COSTS				
DESCRIPTION: DRL HORIZ GRAYBURG WELL 3008' TVD; 7654' MD		DHC: 1,209,500 DCC: CWC: Others: TOTAL: 1,209,500		DHC: 43,680 DCC: CWC: Others: TOTAL: 43,680				DHC: 995,452 DCC: CWC: Others: TOTAL: 995,452				
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)		LAST SAFETY MEETING 3/22/2012		BLOCK		OCSG#		TARGET FORMATION GRAYBURG		BHA HRS OF SERVICE 61.50		
LAST SURVEY MD 4,914.00 (ft) INC 89.00° AZM 165.40°				LAST CSG SHOE TEST (EMW)		LAST CASING 8.625 in @ 2,952.0 ft		NEXT CASING 5.500 in @ 7,602.0 ft				
CURRENT OPERATIONS: TIH W/ BIT # 7 @ 4712'												
24 HR SUMMARY: DRLG LTRL F/ 4249' TO 4818': 569'; RIG SERV: DRLG LTRL F/ 4818' TO 4923': 105' @ 23.3 FT/HR: 28 WOB: 55 RPM: 142 RPM @ BIT: 430 GPM W/ 1525 PSI ON BTM: 1340 PSI OFF BTM: SRVY @ 4861' MD: 2991 TVD: 89.0° INC: 165.4° AZI:: .09' BELOW: 2.0' LEFT: TOH F/ BIT:												
24 HR FORECAST: TIH W/ BIT #7 & DRLG LATERAL SECTION												
DAILY OP COMMENTS												
DRLG LTRL F/ 4249' TO 4818': 569'; RIG SERV: DRLG LTRL F/ 4818' TO 4923': 105' @ 23.3 FT/HR: 28 WOB: 55 RPM: 142 RPM @ BIT: 430 GPM W/ 1525 PSI ON BTM: 1340 PSI OFF BTM: SRVY @ 4861' MD: 2991 TVD: 89.0° INC: 165.4° AZI:: .09' BELOW: 2.0' LEFT: TOH F/ BIT:												
OPERATION SUMMARY												
From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY					
0:00	13:30	13.50	P-DRL	DRLCPA	PP		DRLG LATERAL F/ 4249' TO 4818': 569' @ 42.1 FT/HR: 25 WOB: 50-55 RPM: 143 RPM @ BIT: 434 GPM W/ 1600 PSI ON BOTTOM: 1330 PSI OFF BOTTOM: SURVEY @ 4789' MD: 2989 TVD: 89.5° INC: 165.7° AZI:: 2.0' BELOW: 2.0' LEFT:					
13:30	14:00	0.50	P-DRL	RIGSER	PP		RIG SERVICE					
14:00	18:30	4.50	P-DRL				DRLG LATERAL F/ 4818' TO 4923': 105' @ 23.3 FT/HR: 28 WOB: 55 RPM: 142 RPM @ BIT: 430 GPM W/ 1525 PSI ON BOTTOM: 1340 PSI OFF BOTTOM: SURVEY @ 4861' MD: 2991 TVD: 89.0° INC: 165.4° AZI:: .09' BELOW: 2.0' LEFT:					
18:30	23:30	5.00	P-DRL	TRIP	PN	BT	TOH F/ BIT @ 4923':					
23:30	0:00	0.50	P-DRL	TRIP	PN	BT	CHANGE OUT BIT					
24.00 = Total Hours Today												
06:00 UPDATE												
0000-0600 MU BIT#7: PU DIRECTIONAL TOOLS & TIH TO 4712'												
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	1181637	5x16	2,952.00 / 03-19-2012		2-2-BT-A-X-I-BT-PR		
7 / 1		7.875	ULTERRA		613	56111	7x14	4,923.00 / 03-22-2012		-----		
BIT OPERATIONS												
BIT / RUN		WOB	RPM	FLOW RATE	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP
6/1		25/28	50/55	429.87	1550	176.57	18.00	674.0	37.4	62.00	1,971.0	31.8
MOTOR OUTPUT												
RPV: 0.33rev/gal				ROTARY CURRENT: 55				TOTAL RPM: 197				



APACHE CORPORATION

Page 2 of 3

Daily Drilling Report

WELLBORE NAME				DATE
UNIVERSITY LANDS A 37 6H				03-22-2012
API #	24 HRS PROG	TMD	TVD	REPT NO
4210335972 00	674.0 (ft)	4,923.0 (ft)	2,992.4 (ft)	24

LCM:	0.0	MUD PROPERTIES					MUD TYPE: BRINE				
------	-----	----------------	--	--	--	--	-----------------	--	--	--	--

VIS (s/qt)	PV/YP (cp) / (lb/100ft ²)	GELS (lb/100ft ²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H ₂ S (%)	KCL (ppm)	LGS (%)
29.00	0.00/0	0/0	0.0/0.0	0.0/0.00	0.00/0.00	0.00/0.0	11.00/0.00	0.00/0.00	176,000	0	0.0000	0	0.00

Density (ppg)	10.00	ECD (ppg)	0.00	PP (ppg)	0.00	DAILY COST	2,265.00	CUM COST	11,806	%OIL	0.00	% H ₂ O	0.00
---------------	-------	-----------	------	----------	------	------------	----------	----------	--------	------	------	--------------------	------

BHA	7	JAR S/N		BHA / HOLE CONDITIONS					JAR HRS		BIT	7
-----	---	---------	--	-----------------------	--	--	--	--	---------	--	-----	---

BHA WT BELOW JARS		STRING WT UP		STRING WT DN		STRING WT ROT		TORQUE/UNITS		BHA LENGTH		
(kip)		(kip)		(kip)		(kip)		(ft-lbf)		92.98 (ft)		

COMPONENT TYPE		ITEM DESCRIPTION			NO JTS	LENGTH	O.D	I.D	CONN SIZE		CONN TYPE	
		4.5			153	4,830.02	4.500	3.326			XH	
		SLICK NMDC			1	30.79	6.250	3.250	4.500		XH	
		SLICK NMDC			1	30.74	6.000	3.250	4.500		XH	
		UBHO			1	3.01	6.250		4.500		XH	
		1.83° BEND:33 REV			1	27.44	6.250		4.500		XH	
		UDI 613			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)
	4,914.00	89.00	165.40	2,992.2	-2,134.65	559.56	-2,123.77	0.00
	4,861.00	89.00	165.40	2,991.3	-2,083.37	546.20	-2,072.75	0.56
	4,797.00	89.30	165.60	2,990.3	-2,021.41	530.18	-2,011.11	0.37
	4,736.00	89.50	165.70	2,989.7	-1,962.32	515.06	-1,952.31	0.22
	4,672.00	89.60	165.80	2,989.2	-1,900.29	499.31	-1,890.59	0.48
	4,609.00	89.60	165.50	2,988.7	-1,839.26	483.69	-1,829.86	0.35
	4,545.00	89.70	165.70	2,988.4	-1,777.27	467.78	-1,768.18	0.84
	4,481.00	90.20	165.50	2,988.3	-1,715.28	451.86	-1,706.50	1.66
	4,418.00	91.20	165.20	2,989.1	-1,654.33	435.93	-1,645.86	1.34
	4,354.00	91.90	165.70	2,990.8	-1,592.41	419.86	-1,584.25	0.48
	4,291.00	91.90	166.00	2,992.9	-1,531.36	404.46	-1,523.50	2.04

CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
OH	SURFACE	13.375	48.00	H-40	1,000.0
OH	INTERMEDIATE 1	8.625	32.00	J55	2,952.0
OH	CONDUCTOR				

MUD PUMPS/HYDRAULICS					SPP: 1550 (psi)	SPR	
	STROKE	SPM	LINER	FLOW RATE	AV(DP):	SPM	
# 2	10.00	105.00	6.500	429.9	AV(DC):	PPSR	
					HP: 0.909 (hp/in ²)		

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
CAPSTAR DRILLING Inc. PUSHES	1	24.00	TOTAL ENERGY SERVICES	1	24.00
DDC	2	48.00	DDC	2	48.00
SUTTLES MUD LOGGERS	2	24.00	CAPSTAR DRILLING Inc. CREW	9	72.00

TOTAL PERSONNEL ON BOARD: 17

TOTAL HOURS ON BOARD: 240

MATERIALS/CONSUMPTION



APACHE CORPORATION

Page 1 of 3

Daily Drilling Report

WELLBORE NAME UNIVERSITY LANDS A 37 6H						DATE 03-23-2012					
API # 4210335972 00		24 HRS PROG 656.0 (ft)		TMD 5,579.0 (ft)		TVD 2,995.3 (ft)		REPT NO 25			
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE		AUTH TMD 7,654.00 (ft)		PLANNED DOW 16.00 (days)		DFS / KO 14.38 (days)		DOL 18.75 (days)	
SPUD DATE 03-09-2012 15:00		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-12-0031-D		AFE COSTS		DAILY COSTS				CUMULATIVE COSTS			
DESCRIPTION: DRL HORIZ GRAYBURG WELL 3008' TVD; 7654' MD		DHC: 1,209,500 DCC: CWC: Others: TOTAL: 1,209,500		DHC: 27,725 DCC: CWC: Others: TOTAL: 27,725				DHC: 1,023,177 DCC: CWC: Others: TOTAL: 1,023,177			
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)		LAST SAFETY MEETING 3/23/2012		BLOCK		OCSG#		TARGET FORMATION GRAYBURG		BHA HRS OF SERVICE 78.00	
LAST SURVEY MD 5,558.00 (ft) INC 90.20° AZM 166.10°				LAST CSG SHOE TEST (EMW)		LAST CASING 8.625 in @ 2,952.0 ft		NEXT CASING 5.500 in @ 7,602.0 ft			
CURRENT OPERATIONS: DRLG LATERAL @ 5833' MD: 2995' TVD: 26 WOB: 55 RPM: 142 RPM @ BIT: 430 GPM W/ 1750# ON BTM: 1335# OFF BTM: SURVEY @ 5685' MD: 2995.6 TVD: 90.2° INC: 166.4° AZI:: 2.0' BELOW: 1.0' LEFT:											
24 HR SUMMARY: TIH TO 4882': W/R TO 4923' DRLG F/ 4923' TO 5135': RIG SERVICE: DRLG TO 5579': 444' @ 44.4 FT/HR: 25 WOB: 55 RPM: 142 RPM @ BIT: 430 GPM W/ 1675 PSI ON BTM: 1335 PSI OFF BTM: SURVEY @ 5495' MD: 2995 TVD: 90.2° INC: 166.4° AZI:: 2.0' BELOW: 1.0' RIGHT:											
24 HR FORECAST: DRLG LATERAL SECTION											
DAILY OP COMMENTS											
TIH TO 4882': W/R TO 4923' DRLG F/ 4923' TO 5135': RIG SERVICE: DRLG TO 5579': 444' @ 44.4 FT/HR: 25 WOB: 55 RPM: 142 RPM @ BIT: 430 GPM W/ 1675 PSI ON BTM: 1335 PSI OFF BTM: SURVEY @ 5495' MD: 2995 TVD: 90.2° INC: 166.4° AZI:: 2.0' BELOW: 1.0' RIGHT:											
OPERATION SUMMARY											
From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY				
0:00	6:00	6.00	P-DRL	TRIP	PN	BT	MU BIT #7: 1.83° BEND MOTOR: UBHO: (2) SLICK NMDC'S: TIH TO 4882'				
6:00	6:30	0.50	P-DRL	RMWASH	PN	BT	WASH F/ 4882' TO 4923': NO ISSUES:				
6:30	13:00	6.50	P-DRL	DRLCPA	PP		DRLG LATERAL F/ 4923' TO 5135': 212' @ 32.6 FT/HR: 20 WOB: 50 RPM: 142 RPM @ BIT: 430 GPM W/ 1650 PSI ON BTM: 1330 PSI OFF BTM: SURVEY @ 5041' MD: 2993 TVD: 89.5° INC: 165.1° AZI:: 6.0' ABIVE: 2.0' LEFT:				
13:00	14:00	1.00	P-DRL	RIGSER	PP		RIG SERVICE				
14:00	0:00	10.00	P-DRL	DRLCPA	PP		DRLG LATERAL F/ 5135' TO 5579': 444' @ 44.4 FT/HR: 25-40 WOB: 0-55 RPM: 142 RPM @ BIT: 430 GPM W/ 1675 PSI ON BTM: 1335 PSI OFF BTM: SURVEY @ 5495' MD: 2995 TVD: 90.2° INC: 166.4° AZI:: 2.0' BELOW: 1.0' RIGHT:				
24.00 = Total Hours Today											
06:00 UPDATE											
0000-0600 DRLG LATERAL F/ 5579' TO 5833': 254' @ 42.3 FT/HR: 25-40 WOB: 0-55 RPM: 142 RPM @ BIT: 430 GPM W/ 1750# ON BTM: 1335# OFF BTM: SURVEY @ 5685' MD: 2995.6 TVD: 90.2° INC: 166.4° AZI:: 2.0' BELOW: 1.0' 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		
7 / 1	7.875	ULTERRA		613	56111	7x14	4,923.00 / 03-22-2012		-----		
BIT OPERATIONS											
BIT / RUN	WOB	RPM	FLOW RATE	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP
7/1	20/42	50/60	429.87	1725	153.69	16.50	656.0	39.8	16.50	656.0	39.8
MOTOR OUTPUT											
RPV: 0.33rev/gal				ROTARY CURRENT: 55				TOTAL RPM: 197			

Printed: 3/24/2012 5:09:21AM



APACHE CORPORATION
Daily Drilling Report

Page 2 of 3

WELLBORE NAME				DATE
UNIVERSITY LANDS A 37 6H				03-23-2012
API #	24 HRS PROG	TMD	TVD	REPT NO
4210335972 00	656.0 (ft)	5,579.0 (ft)	2,995.3 (ft)	25

LCM:	0.0	MUD PROPERTIES					MUD TYPE: BRINE				
------	-----	----------------	--	--	--	--	-----------------	--	--	--	--

VIS (s/qt)	PV/YP (cp) / (lb/100ft ²)	GELS (lb/100ft ²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H ₂ S (%)	KCL (ppm)	LGS (%)
29.00	0.00/0	0/0	0.0/0.0	0.0/0.00	0.00/0.00	0.00/0.0	11.00/0.00	0.00/0.00	176,000	0	0.0000	0	0.00

Density (ppg)	10.00	ECD (ppg)	0.00	PP (ppg)	0.00	DAILY COST	0.00	CUM COST	11,806	%OIL	0.00	% H ₂ O	0.00
---------------	-------	-----------	------	----------	------	------------	------	----------	--------	------	------	--------------------	------

BHA	7	JAR S/N		BHA / HOLE CONDITIONS					JAR HRS		BIT	7
-----	---	---------	--	-----------------------	--	--	--	--	---------	--	-----	---

BHA WT BELOW JARS		STRING WT UP		STRING WT DN		STRING WT ROT		TORQUE/UNITS		BHA LENGTH		
(kip)		76.0 (kip)		50.0 (kip)		67.0 (kip)		(ft-lbf)		92.98 (ft)		

COMPONENT TYPE		ITEM DESCRIPTION			NO JTS	LENGTH	O.D	I.D	CONN SIZE		CONN TYPE	
		4.5			153	5,486.02	4.500	3.326			XH	
		SLICK NMDC			1	30.79	6.250	3.250	4.500		XH	
		SLICK NMDC			1	30.74	6.000	3.250	4.500		XH	
		UBHO			1	3.01	6.250		4.500		XH	
		1.83° BEND:33 REV			1	27.44	6.250		4.500		XH	
		UDI 613			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)
	5,558.00	90.20	166.10	2,995.4	-2,758.73	718.18	-2,744.77	0.48
	5,495.00	90.20	166.40	2,995.6	-2,697.54	703.21	-2,683.87	1.69
	5,431.00	89.30	167.00	2,995.3	-2,635.26	688.49	-2,621.88	1.00
	5,368.00	89.50	166.40	2,994.7	-2,573.95	674.00	-2,560.85	0.99
	5,304.00	89.70	165.80	2,994.2	-2,511.83	658.62	-2,499.03	0.50
	5,241.00	89.80	165.50	2,993.9	-2,450.79	643.01	-2,438.30	1.12
	5,178.00	90.50	165.60	2,994.1	-2,389.79	627.29	-2,377.60	0.35
	5,114.00	90.40	165.40	2,994.6	-2,327.83	611.26	-2,315.95	2.70
	5,051.00	88.90	164.60	2,994.2	-2,266.98	594.96	-2,255.41	1.24
	4,988.00	89.50	165.10	2,993.3	-2,206.17	578.50	-2,194.93	1.10
	4,924.00	88.80	165.20	2,992.4	-2,144.32	562.09	-2,133.39	2.83

CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
OH	SURFACE	13.375	48.00	H-40	1,000.0
OH	INTERMEDIATE 1	8.625	32.00	J55	2,952.0
OH	CONDUCTOR				

MUD PUMPS/HYDRAULICS					SPP: 1725 (psi)	SPR	
	STROKE	SPM	LINER	FLOW RATE	AV(DP):	SPM	
# 2	10.00	105.00	6.500	429.9	AV(DC):	PPSR	
					HP: 0.791 (hp/in ²)		

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
TOTAL ENERGY SERVICES	1	24.00	CAPSTAR DRILLING Inc. PUSHES	1	24.00
DDC	2	48.00	SUTTLES MUD LOGGERS	2	24.00
DDC	2	48.00	CAPSTAR DRILLING Inc. CREW	9	72.00

TOTAL PERSONNEL ON BOARD: 17

TOTAL HOURS ON BOARD: 240

MATERIALS/CONSUMPTION



APACHE CORPORATION
Daily Drilling Report

Page 1 of 3

WELLBORE NAME UNIVERSITY LANDS A 37 6H						DATE 03-24-2012					
API # 4210335972 00		24 HRS PROG 743.0 (ft)		TMD 6,322.0 (ft)		TVD 3,002.9 (ft)		REPT NO 26			
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE		AUTH TMD 7,654.00 (ft)		PLANNED DOW 16.00 (days)		DFS / KO 15.38 (days)		DOL 19.75 (days)	
SPUD DATE 03-09-2012 15:00		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-12-0031-D		AFE COSTS		DAILY COSTS		CUMULATIVE COSTS					
DESCRIPTION: DRL HORIZ GRAYBURG WELL 3008' TVD; 7654' MD		DHC: 1,209,500 DCC: CWC: Others: TOTAL: 1,209,500		DHC: 34,112 DCC: CWC: Others: TOTAL: 34,112		DHC: 1,057,289 DCC: CWC: Others: TOTAL: 1,057,289					
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)		LAST SAFETY MEETING 3/24/2012		BLOCK		OCSG#		TARGET FORMATION GRAYBURG		BHA HRS OF SERVICE	
LAST SURVEY MD 6,002.00 (ft) INC 89.10° AZM 164.50°				LAST CSG SHOE TEST (EMW)		LAST CASING 8.625 in @ 2,952.0 ft		NEXT CASING 5.500 in @ 7,602.0 ft			
CURRENT OPERATIONS: DRLG @ 6441': 26 WOB: 55 RPM: 142 RPM @ BIT: 434 GPM W/ 1750 PSI ON BTM: 1370 PSI OFF BTM: SURVEY @ 6373' MD: 2997 TVD: 90.7° INC: 165.7° AZI:: 3.0' BELOW: 1.0' LEFT:											
24 HR SUMMARY: DRLG LATERAL F/ 5579' TO 6090': RIG SERVICE: DRLG LATERAL F/ 6090' TO 6322': 232' @ 29.0 FT/HR: 26 WOB: 55 RPM: 142 RPM @ BIT: 430 GPM W/ 1750 PSI ON BTM: 1370 PSI OFF BTM: SURVEY @ 6249' MD: 2997 TVD: 89.9° INC: 165.2° AZI:: 4.0' BELOW: 2.0' LEFT:											
24 HR FORECAST: REPAIR PASON: RE-LOG LOST DATA DUE TO PASON FAILURE: DRLG LATERAL											
DAILY OP COMMENTS											
DRLG LATERAL F/ 5579' TO 6090': RIG SERVICE: DRLG LATERAL F/ 6090' TO 6322': 232' @ 29.0 FT/HR: 26 WOB: 55 RPM: 142 RPM @ BIT: 430 GPM W/ 1750 PSI ON BTM: 1370 PSI OFF BTM: SURVEY @ 6249' MD: 2997 TVD: 89.9° INC: 165.2° AZI:: 4.0' BELOW: 2.0' LEFT:											
OPERATION SUMMARY											
From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY				
0:00	13:30	13.50	P-DRL	DRLCPA	PP		DRLG LATERAL F/ 5579' TO 6090': 511' @ 37.8 FT/HR: 26 WOB: 55 RPM: 142 RPM @ BIT: 430 GPM W/ 1750 PSI ON BTM: 1370 PSI OFF BTM: SURVEY @ 6055' MD: 2997 TVD: 89.4° INC: 164.2° AZI:: 5.0' BELOW: 2.0' LEFT:				
13:30	14:00	0.50	P-DRL	RIGSER	PP		RIG SERVICE				
14:00	22:00	8.00	P-DRL				DRLG LATERAL F/ 6090' TO 6322': 232' @ 29.0 FT/HR: 26 WOB: 55 RPM: 142 RPM @ BIT: 430 GPM W/ 1750 PSI ON BTM: 1370 PSI OFF BTM: SURVEY @ 6249' MD: 2997 TVD: 89.9° INC: 165.2° AZI:: 4.0' BELOW: 2.0' LEFT:				
22:00	23:30	1.50	P-DRL	TRIP	PN	EF	PASON NOT TRACKING F/ GAMMA LOG: TOH TO 6055': REPLACE SWIVEL BRAKE:				
23:30	0:00	0.50	P-DRL	RMWASH	PN	EF	ATTEMPT TO RE-LOG: PASON NOT TRACKING:				
24.00 = Total Hours Today											
06:00 UPDATE											
0000-0600 ATTEMPT TO RE-LOG GAMMA:DRLG F/ 6322' TO 6441': 119' @ 21.6 FT/HR: 26 WOB: 55 RPM: 143 RPM @ BIT: 434 GPM W/ 1750 PSI ON BTM: 1370 PSI OFF BTM: SURVEY @ 9373' MD: 2997 TVD: 90.7° INC: 165.7° AZI:: 3.0' BELOW: 1.0' 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		
7 / 1	7.875	ULTERRA		613	56111	7x14	4,923.00 / 03-22-2012		-----		
BIT OPERATIONS											
BIT / RUN	WOB	RPM	FLOW RATE	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP
7/1	25/45	50/55	429.87	1750	153.69	21.50	743.0	34.6	38.00	1,399.0	36.8
MOTOR OUTPUT											
RPV: 0.33rev/gal				ROTARY CURRENT: 55				TOTAL RPM: 197			



APACHE CORPORATION
Daily Drilling Report

Page 2 of 3

WELLBORE NAME				DATE
UNIVERSITY LANDS A 37 6H				03-24-2012
API #	24 HRS PROG	TMD	TVD	REPT NO
4210335972 00	743.0 (ft)	6,322.0 (ft)	3,002.9 (ft)	26

LCM:	0.0	MUD PROPERTIES					MUD TYPE: BRINE				
------	-----	----------------	--	--	--	--	-----------------	--	--	--	--

VIS (s/qt)	PV/YP (cp) / (lb/100ft ²)	GELS (lb/100ft ²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H ₂ S (%)	KCL (ppm)	LGS (%)
29.00	0.00/0	0/0	0.0/0.0	0.0/0.00	0.00/0.00	0.00/0.0	11.00/0.00	0.00/0.00	176,000	0	0.0000	0	0.00

Density (ppg)	10.00	ECD (ppg)	0.00	PP (ppg)	0.00	DAILY COST	1,797.00	CUM COST	13,603	%OIL	0.00	% H ₂ O	0.00
---------------	-------	-----------	------	----------	------	------------	----------	----------	--------	------	------	--------------------	------

BHA	7	JAR S/N		BHA / HOLE CONDITIONS					JAR HRS		BIT	7
-----	---	---------	--	-----------------------	--	--	--	--	---------	--	-----	---

BHA WT BELOW JARS		STRING WT UP		STRING WT DN		STRING WT ROT		TORQUE/UNITS		BHA LENGTH		
(kip)		90.0 (kip)		50.0 (kip)		71.0 (kip)		(ft-lbf)		92.98 (ft)		

COMPONENT TYPE		ITEM DESCRIPTION			NO JTS	LENGTH	O.D	I.D	CONN SIZE		CONN TYPE
		4.5			196	6,229.02	4.500	3.326			XH
		SLICK NMDC			1	30.79	6.250	3.250	4.500		XH
		SLICK NMDC			1	30.74	6.000	3.250	4.500		XH
		UBHO			1	3.01	6.250		4.500		XH
		1.83° BEND:33 REV			1	27.44	6.250		4.500		XH
		UDI 613			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)
	6,002.00	89.10	164.50	2,997.9	-3,187.49	833.30	-3,171.29	0.48
	5,939.00	89.10	164.20	2,996.9	-3,126.84	816.30	-3,110.97	0.48
	5,876.00	89.40	164.20	2,996.0	-3,066.22	799.15	-3,050.69	0.64
	5,812.00	89.80	164.30	2,995.6	-3,004.63	781.78	-2,989.43	1.05
	5,748.00	90.10	164.90	2,995.5	-2,942.92	764.78	-2,928.05	0.97
	5,685.00	90.00	165.50	2,995.6	-2,882.01	748.69	-2,867.46	1.51
	5,622.00	89.70	166.40	2,995.4	-2,820.90	733.40	-2,806.64	0.91

CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
OH	SURFACE	13.375	48.00	H-40	1,000.0
OH	INTERMEDIATE 1	8.625	32.00	J55	2,952.0
OH	CONDUCTOR				

MUD PUMPS/HYDRAULICS					SPP: 1750 (psi)	SPR		
	STROKE	SPM	LINER	FLOW RATE	AV(DP):		SPM	PPSR
# 2	10.00	105.00	6.500	429.9	AV(DC):			
					HP: 0.791 (hp/in ²)			

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
TOTAL ENERGY SERVICES	1	24.00	CAPSTAR DRILLING Inc. PUSHES	1	24.00
DDC	2	48.00	DDC	2	48.00
SUTTLES MUD LOGGERS	2	24.00	CAPSTAR DRILLING Inc. CREW	9	72.00

TOTAL PERSONNEL ON BOARD: 17

TOTAL HOURS ON BOARD: 240

MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
DIESEL, RIG FUEL	gal	997	3960				



APACHE CORPORATION

Page 1 of 3

Daily Drilling Report

WELLBORE NAME UNIVERSITY LANDS A 37 6H						DATE 03-25-2012					
API # 4210335972 00		24 HRS PROG 326.0 (ft)		TMD 6,648.0 (ft)		TVD 2,989.8 (ft)		REPT NO 27			
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE		AUTH TMD 7,654.00 (ft)		PLANNED DOW 16.00 (days)		DFS / KO 16.38 (days)		DOL 20.75 (days)	
SPUD DATE 03-09-2012 15:00		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-12-0031-D		AFE COSTS		DAILY COSTS				CUMULATIVE COSTS			
DESCRIPTION: DRL HORIZ GRAYBURG WELL 3008' TVD: 7654' MD		DHC: 1,209,500 DCC: CWC: Others: TOTAL: 1,209,500		DHC: 33,434 DCC: CWC: Others: TOTAL: 33,434				DHC: 1,090,723 DCC: CWC: Others: TOTAL: 1,090,723			
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)		LAST SAFETY MEETING 3/25/2012		BLOCK		OCSG#		TARGET FORMATION GRAYBURG		BHA HRS OF SERVICE	
LAST SURVEY				LAST CSG SHOE TEST (EMW)		LAST CASING		NEXT CASING			
MD 6,619.00 (ft) INC 91.70° AZM 166.20°						8.625 in @ 2,952.0 ft		5.500 in @ 7,602.0 ft			
CURRENT OPERATIONS: DRLG LATERAL @ 6889': 26 WOB: 55 RPM: 143 RPM @ BIT: 434 GPM W/ 1700 PSI ON BTM: 1425 PSI OFF BTM: SURVEY @ 6805' MD: 2987 TVD: 89.8° INC: 164.4° AZI: 5.0' ABOVE: 0.0' RIGHT											
24 HR SUMMARY: DRLG F/ 6322' TO 6641': RIG REPAIR: TOH: RE-LOG: DRLG F/ 6641' TO 6648': 7.0' @ 14.0 FT/HR: 26 WOB: 55 RPM: 143 RPM @ BIT: 434 GPM W/ 1750 PSI ON BTM: 1420 PSI OFF BTM: SURVEY @ 6619' MD: 2990 TVD: 91.0° INC: 166.2° AZI: 3.0' ABOVE: 2.0' RIGHT:											
24 HR FORECAST: DRLG LATERAL											
DAILY OP COMMENTS											
DRLG F/ 6322' TO 6641': RIG REPAIR: TOH: RE-LOG: DRLG F/ 6641' TO 6648': 7.0' @ 14.0 FT/HR: 26 WOB: 55 RPM: 143 RPM @ BIT: 434 GPM W/ 1750 PSI ON BTM: 1420 PSI OFF BTM: SURVEY @ 6619' MD: 2990 TVD: 91.0° INC: 166.2° AZI: 3.0' ABOVE: 2.0' RIGHT:											
OPERATION SUMMARY											
From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY				
0:00	0:30	0.50	P-DRL	RMWASH	PN	EF	ATTEMPT TO RELOG GAMMA: DUE TO PASON DEPTH TRACKING FAILURE:				
0:30	10:00	9.50	P-DRL	DRLCPA	PP		DRLG LATERAL F/ 6322' TO 6641': 319' @ 33.5 FT/HR: 26 WOB: 55 RPM: 143 RPM @ BIT: 434 GPM W/ 1750 PSI ON BTM: 1420 PSI OFF BTM: SURVEY @ 6558' MD: 2992 TVD: 91.6° INC: 166.4° AZI: 2.0' ABOVE: 2.0' RIGHT:				
10:00	12:30	2.50	P-DRL	RIGSER	PN	EF	REPLACE DEPTH TRACKING SENSOR @ CROWN:				
12:30	13:00	0.50	P-DRL	TRIP	PN	EF	TOH TO 6055': TO RE-LOG GAMMA				
13:00	23:30	10.50	P-DRL	RMWASH	PN	EF	RE-LOG GAMMA F/ 6055' TO 6641':				
23:30	0:00	0.50	P-DRL	DRLCPA	PP		DRLG LATERAL F/ 6641' TO 6648': 7.0' @ 14.0 FT/HR: 26 WOB: 55 RPM: 143 RPM @ BIT: 434 GPM W/ 1750 PSI ON BTM: 1420 PSI OFF BTM: SURVEY @ 6619' MD: 2990 TVD: 91.0° INC: 166.2° AZI: 3.0' ABOVE: 2.0' RIGHT				
24.00 = Total Hours Today											
06:00 UPDATE											
0000-0600 DRLG LATERAL F/ 6648' TO 6889': 241' @ 40.1 FT/HR: 26 WOB: 55 RPM: 143 RPM @ BIT: 434 GPM W/ 1700 PSI ON BTM: 1425 PSI OFF BTM: SURVEY @ 6805' MD: 2987 TVD: 89.8° INC: 164.4° AZI: 5.0' ABOVE: 0.0' RIGHT											
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		
7 / 1	7.875	ULTERRA		613	56111	7x14	4,923.00 / 03-22-2012		-----		



APACHE CORPORATION
Daily Drilling Report

Page 2 of 3

WELLBORE NAME				DATE
UNIVERSITY LANDS A 37 6H				03-25-2012
API #	24 HRS PROG	TMD	TVD	REPT NO
4210335972 00	326.0 (ft)	6,648.0 (ft)	2,989.8 (ft)	27

BIT OPERATIONS

BIT / RUN	WOB	RPM	FLOW RATE	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP
7/1	44/44	50/55	429.87	1700	153.69	10.00	326.0	32.6	48.00	1,725.0	35.9

MOTOR OUTPUT

RPV: 0.33rev/gal	ROTARY CURRENT: 55	TOTAL RPM: 197
LCM: 0.0	MUD PROPERTIES	MUD TYPE: BRINE

VIS (s/qt)	PV/YP (cp) / (lbf/100ft ²)	GELS (lbf/100ft ²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%)/(lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
29.00	0.00/0	0/0	0.0/0.0	0.0/0.00	0.00/0.00	0.00/0.0	11.00/0.00	0.00/0.00	176,000	0	0.0000	0	0.00
Density (ppg)	10.00	ECD (ppg)	0.00	PP (ppg)	0.00	DAILY COST	0.00	CUM COST	13,603	%OIL	0.00	% H2O	0.00

BHA	7	JAR S/N		BHA / HOLE CONDITIONS				JAR HRS		BIT	7
BHA WT BELOW JARS		STRING WT UP		STRING WT DN		STRING WT ROT		TORQUE/UNITS		BHA LENGTH	
(kip)		100.0 (kip)		50.0 (kip)		71.0 (kip)		(ft-lbf)		92.98 (ft)	

COMPONENT TYPE	ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
	4.5	207	6,555.02	4.500	3.326		XH
	SLICK NMDC	1	30.79	6.250	3.250	4.500	XH
	SLICK NMDC	1	30.74	6.000	3.250	4.500	XH
	UBHO	1	3.01	6.250		4.500	XH
	1.83° BEND:33 REV	1	27.44	6.250		4.500	XH
	UDI 613	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)
	6,619.00	91.70	166.20	2,990.7	-3,785.31	985.42	-3,766.15	0.37
	6,558.00	91.60	166.40	2,992.4	-3,726.07	970.98	-3,707.19	0.65
	6,496.00	92.00	166.40	2,994.4	-3,665.84	956.41	-3,647.24	0.82
	6,435.00	91.50	166.40	2,996.2	-3,606.57	942.07	-3,588.26	1.71
	6,373.00	90.70	165.70	2,997.4	-3,546.41	927.13	-3,528.39	2.12
	6,311.00	89.40	165.50	2,997.5	-3,486.36	911.71	-3,468.64	0.94
	6,249.00	89.90	165.20	2,997.1	-3,426.38	896.03	-3,408.96	1.16
	6,187.00	90.50	165.60	2,997.3	-3,366.38	880.40	-3,349.27	0.37
	6,126.00	90.70	165.70	2,998.0	-3,307.29	865.28	-3,290.47	1.60
	6,064.00	90.00	165.00	2,998.3	-3,247.31	849.60	-3,230.79	1.66

CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
OH	SURFACE	13.375	48.00	H-40	1,000.0
OH	INTERMEDIATE 1	8.625	32.00	J55	2,952.0
OH	CONDUCTOR				

MUD PUMPS/HYDRAULICS					SPP: 1700 (psi)	SPR		
	STROKE	SPM	LINER	FLOW RATE	AV(DP):		SPM	PPSR
# 2	10.00	105.00	6.500	429.9	AV(DC):			
					HP: 0.791 (hp/in ²)			



APACHE CORPORATION
Daily Drilling Report

Page 1 of 2

WELLBORE NAME UNIVERSITY LANDS A 37 6H										DATE 03-26-2012			
API # 4210335972 00		24 HRS PROG 955.0 (ft)		TMD 7,603.0 (ft)		TVD 2,961.5 (ft)		REPT NO 28					
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE		AUTH TMD 7,654.00 (ft)		PLANNED DOW 16.00 (days)		DFS / KO 17.38 (days)		DOL 21.75 (days)			
SPUD DATE 03-09-2012 15:00		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-12-0031-D		AFE COSTS		DAILY COSTS		CUMULATIVE COSTS							
DESCRIPTION: DRL HORIZ GRAYBURG WELL 3008' TVD; 7654' MD		DHC: 1,209,500 DCC: CWC: Others: TOTAL: 1,209,500		DHC: 33,778 DCC: CWC: Others: TOTAL: 33,778		DHC: 1,124,501 DCC: CWC: Others: TOTAL: 1,124,501							
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)		LAST SAFETY MEETING 3/26/2012		BLOCK		OCSG#		TARGET FORMATION GRAYBURG		BHA HRS OF SERVICE			
LAST SURVEY				LAST CSG SHOE TEST (EMW)		LAST CASING		NEXT CASING					
MD 6,619.00 (ft) INC 91.70° AZM 166.20°						8.625 in @ 2,952.0 ft		5.500 in @ 7,602.0 ft					
CURRENT OPERATIONS: NO INTERNET - LAYING DOWN DIRECTIONAL TOOLS													
24 HR SUMMARY: DRILLED F/6648 - T/7040. RIG REPAIR - PASON. DRILLED F/7040 - T/7162. SERVICE RIG. DRILLED F/7162 - T/7603. 1 HOUR OF CIRCULATING													
24 HR FORECAST: MAKING A REAMER RUN. TRIP OUT OF HOLE													
OPERATION SUMMARY													
From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY						
0:00	6:00	6.00	P-DRL	DRLG	PP		DRLG LATERAL F/ 6648' TO 6889' ; 241' @ 40.1'/HR ; 26 WOB: 55 RPM: 143 RPM @ BIT: 434 GPM W/ 2180 PSI ON BTM: 1800 PSI OFF BTM ; SURVEY @ 6805' TVD 2987.1 INC 89.8, AZM 164.4, DL 1.7, 5' A, 0' L-R						
6:00	10:30	4.50	P-DRL	DRLG	PP		SLIDE DRLG LATERAL F/ 6805' TO 7040 ; 235' @ 52.2'/HR						
10:30	11:00	0.50	P-DRL	RIGSER	PN	EF	WORK ON PASON						
11:00	13:30	2.50	P-DRL	DRLG	PP		SLIDE DRLG LATERAL F/ 7040' TO 7162' ; 122' @ 48.8'/HR ; SURVEY @ 7048, TVD 2992.6, AZM 164.3, INC 88.8, DLS 1.3, AB 0.4, R 3.6						
13:30	14:00	0.50	P-DRL	RIGSER	PP		SLIDE DRLG LATERAL F/ 7162' TO						
14.00 = Total Hours Today													
06:00 UPDATE													
0000-0600 TRIPPING OUT OF HOLE, FROM 7603													
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				
7 / 1	7.875	ULTERRA		613	56111	7x14	4,923.00 / 03-22-2012		-----				
MOTOR OUTPUT													
RPV: 0.33rev/gal				ROTARY CURRENT:				TOTAL RPM:					
LCM:				MUD PROPERTIES				MUD TYPE: BRINE					
VIS (s/qt)	PV/YP (cp) / (lb/100ft ²)	GELS (lb/100ft ²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
29.00													
Density (ppg)	10.00			PP		DAILY COST 859.99	CUM COST	14,463	%OIL		% H2O		
BHA	7	JAR S/N		BHA / HOLE CONDITIONS				JAR HRS		BIT	7		
BHA WT BELOW JARS		STRING WT UP		STRING WT DN		STRING WT ROT		TORQUE/UNITS		BHA LENGTH			
(kip)		(kip)		(kip)		(kip)		(ft-lbf)		92.98 (ft)			



APACHE CORPORATION
Daily Drilling Report

Page 2 of 2

WELLBORE NAME UNIVERSITY LANDS A 37 6H					DATE 03-26-2012	
---	--	--	--	--	--------------------	--

API # 4210335972 00	24 HRS PROG 955.0 (ft)	TMD 7,603.0 (ft)	TVD 2,961.5 (ft)	REPT NO 28
------------------------	---------------------------	---------------------	---------------------	---------------

COMPONENT TYPE	ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
	4.5	207	7,510.02	4.500	3.326		XH
	SLICK NMDC	1	30.79	6.250	3.250	4.500	XH
	SLICK NMDC	1	30.74	6.000	3.250	4.500	XH
	UBHO	1	3.01	6.250		4.500	XH
	1.83° BEND:33 REV	1	27.44	6.250		4.500	XH
	UDI 613	1	1.00	11.000	3.000	4.500	API REG

CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
OH	SURFACE	13.375	48.00	H-40	1,000.0
OH	INTERMEDIATE 1	8.625	32.00	J55	2,952.0
OH	CONDUCTOR				

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
JW MULLOYCONSULTING	1	24.00	CAPSTAR DRILLING Inc. PUSHES	1	24.00
SUTTLES MUD LOGGERS	2	24.00	DDC	2	48.00
DDC	2	48.00	CAPSTAR DRILLING Inc. CREW	9	72.00

TOTAL PERSONNEL ON BOARD: 17

TOTAL HOURS ON BOARD: 240

SAFETY DRILLS

RAMS (psi)	ANNULARS (psi)	CASING	LAST BOP PRESS TEST	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	ABND. DRILL
1000	03-19-2012 / 1000	03-19-2012 / 1,000.00	03-19-2012	04-02-2012			

INCIDENT REPORT

INCIDENTS TYPE	NONE	LOST TIME?	NO	INCIDENTS DESCRIPTION
----------------	------	------------	----	-----------------------

MUD INVENTORY

ITEM	UNIT	USAGE	Day Cost (\$)	ON HAND
DRLG MUD		859.99	859.99	-3,594.00



APACHE CORPORATION
Daily Drilling Report

Page 1 of 2

WELLBORE NAME UNIVERSITY LANDS A 37 6H						DATE 03-27-2012					
API # 4210335972 00		24 HRS PROG (ft)		TMD 7,603.0 (ft)		TVD 2,961.5 (ft)		REPT NO 29			
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE		AUTH TMD 7,654.00 (ft)		PLANNED DOW 16.00 (days)		DFS / KO 18.38 (days)		DOL 22.75 (days)	
SPUD DATE 03-09-2012 15:00		RIG RELEASE		SUPERVISOR JOE BARRERA 806-781-4306				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-12-0031-D		AFE COSTS		DAILY COSTS				CUMULATIVE COSTS			
DESCRIPTION: DRL HORIZ GRAYBURG WELL 3008' TVD; 7654' MD		DHC: 1,209,500 DCC: CWC: Others: TOTAL: 1,209,500		DHC: 25,483 DCC: CWC: Others: TOTAL: 25,483				DHC: 1,148,567 DCC: CWC: Others: TOTAL: 1,148,567			
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)		LAST SAFETY MEETING 3/27/2012		BLOCK		OCSG#		TARGET FORMATION GRAYBURG		BHA HRS OF SERVICE	

LAST SURVEY				LAST CSG SHOE TEST (EMW)		LAST CASING		NEXT CASING	
MD 6,619.00 (ft) INC 91.70° AZM 166.20°						8.625 in @ 2,952.0 ft		5.500 in @ 7,602.0 ft	

CURRENT OPERATIONS: REAMING @ 4200'

24 HR SUMMARY: CIRC ; TOH ; L/D DIRECTIONAL TOOLS ; M/U BIT & STRR REAMERS ; RIG SER ; TIH TO 2952' ; REAM F/ 2952' TO 3510' ; TIGHT SPOT F/ 3485' TO 3510'

24 HR FORECAST: TOH W/ REAMER ASSEMBLY ;

DAILY OP COMMENTS

CIRC ; TOH ; L/D DIRECTIONAL TOOLS ; M/U BIT & STRR REAMERS ; RIG SER ; TIH TO 2952' ; REAM F/ 2952' TO 3510' ; TIGHT SPOT F/ 3485' TO 3510'

OPERATION SUMMARY

From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY
0:00	0:30	0.50	P-DRL	CIRC	PP		CIRC & CONDITION MUD
0:30	5:00	4.50	P-DRL	TRIP	PP		TOH TO RUN REAMERS
5:00	8:00	3.00	P-DRL	TRIPBHA	PP		L/D DIR TOOLS & BIT
8:00	9:00	1.00	P-DRL	PU_LD	PP		STRAP & CALIPER STRING REAMERS & BIT SUB
9:00	12:00	3.00	P-DRL	TRIP	PP		M/U BIT & STRING REAMERS & TIH
12:00	12:30	0.50	P-DRL	RIGSER	PP		RIG SER
12:30	14:00	1.50	P-DRL	TRIP	PP		TIH TO 2952'
14:00	0:00	10.00	P-DRL	RMWASH	PP		REAM HOLE F/ 2952' TO 3510' : TIGHT SPOT F/ 3485' TO 3510'

24.00 = Total Hours Today

06:00 UPDATE

0000-0600 WASH AND REAM F/ 2952' TO 4200'

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
7 / 1	7.875	ULTERRA	613	56111	7x14	4,923.00 / 03-22-2012	-----

MOTOR OUTPUT

RPV: 0.33rev/gal ROTARY CURRENT: TOTAL RPM:



APACHE CORPORATION
Daily Drilling Report

Page 2 of 2

WELLBORE NAME UNIVERSITY LANDS A 37 6H	DATE 03-27-2012
---	--------------------

API # 4210335972 00	24 HRS PROG (ft)	TMD 7,603.0 (ft)	TVD 2,961.5 (ft)	REPT NO 29
------------------------	---------------------	---------------------	---------------------	---------------

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

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

Density (ppg)	10.00	PP	DAILY COST	3,007.12	CUM COST	17,470	%OIL	% H ₂ O
---------------	-------	----	------------	----------	----------	--------	------	--------------------

BHA	7	JAR S/N	BHA / HOLE CONDITIONS	JAR HRS	BIT
-----	---	---------	-----------------------	---------	-----

BHA WT BELOW JARS	STRING WT UP	STRING WT DN	STRING WT ROT	TORQUE/UNITS	BHA LENGTH
(kip)	(kip)	(kip)	(kip)	(ft-lbf)	92.98 (ft)

COMPONENT TYPE	ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
	4.5	207	7,510.02	4.500	3.326		XH
	SLICK NMDC	1	30.79	6.250	3.250	4.500	XH
	SLICK NMDC	1	30.74	6.000	3.250	4.500	XH
	UBHO	1	3.01	6.250		4.500	XH
	1.83° BEND:33 REV	1	27.44	6.250		4.500	XH
	UDI 613	1	1.00	11.000	3.000	4.500	API REG

CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
OH	SURFACE	13.375	48.00	H-40	1,000.0
OH	INTERMEDIATE 1	8.625	32.00	J55	2,952.0
OH	CONDUCTOR				

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

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
CAPSTAR DRILLING Inc. PUSHHER	1	24.00	JW MULLOYCONSULTING	1	24.00
CAPSTAR DRILLING Inc. CREW	9	72.00			

TOTAL PERSONNEL ON BOARD: 11

TOTAL HOURS ON BOARD: 120

MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
DIESEL, RIG FUEL	gal	1436	4364				

SAFETY DRILLS

RAMS (psi)	ANNULARS (psi)	CASING	LAST BOP PRESS TEST	NEXT BOP PRESS TEST	FIRE DRILL	H ₂ S DRILL	ABND. DRILL
1000	03-19-2012 / 1000	03-19-2012 / 1,000.00	03-19-2012	04-02-2012			

INCIDENT REPORT

INCIDENTS TYPE	NONE	LOST TIME?	NO	INCIDENTS DESCRIPTION
----------------	------	------------	----	-----------------------

MUD INVENTORY

ITEM	UNIT	USAGE	Day Cost (\$)	ON HAND
DRLG MUD		3,007.12	3,007.12	-3,594.00



APACHE CORPORATION
Daily Drilling Report

Page 1 of 2

WELLBORE NAME UNIVERSITY LANDS A 37 6H										DATE 03-28-2012			
API # 4210335972 00		24 HRS PROG (ft)		TMD 7,603.0 (ft)		TVD 2,961.5 (ft)		REPT NO 30					
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE		AUTH TMD 7,654.00 (ft)		PLANNED DOW 16.00 (days)		DFS / KO 19.38 (days)		DOL 23.75 (days)			
SPUD DATE 03-09-2012 15:00		RIG RELEASE		SUPERVISOR JOE BARRERA 806-781-4306				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-12-0031-D		AFE COSTS		DAILY COSTS		CUMULATIVE COSTS							
DESCRIPTION: DRL HORIZ GRAYBURG WELL 3008' TVD; 7654' MD		DHC: 1,209,500 DCC: CWC: Others: TOTAL: 1,209,500		DHC: 24,059 DCC: CWC: Others: TOTAL: 24,059		DHC: 1,172,627 DCC: CWC: Others: TOTAL: 1,172,627							
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)		LAST SAFETY MEETING 3/28/2012		BLOCK		OCSG#		TARGET FORMATION GRAYBURG		BHA HRS OF SERVICE			
LAST SURVEY MD 6,619.00 (ft) INC 91.70° AZM 166.20°				LAST CSG SHOE TEST (EMW)		LAST CASING 8.625 in @ 2,952.0 ft		NEXT CASING 5.500 in @ 7,602.0 ft					
CURRENT OPERATIONS: WORK STUCK PIPE													
24 HR SUMMARY: WORK TIGHT HOLE ; REAM F/ 3510' TO 5126' ; RIG SER ; REAM F/ 5126' TO 6051' ; WORK STUCK PIPE @ 6051													
24 HR FORECAST: WORK PIPE FREE ; TIH W/ CLEAN OUT ASSEMBLY TO TD													
DAILY OP COMMENTS													
WORK TIGHT HOLE ; REAM F/ 3510' TO 5126' ; RIG SER ; REAM F/ 5126' TO 6051' ; WORK STUCK PIPE @ 6051													
OPERATION SUMMARY													
From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY						
0:00	1:30	1.50	P-DRL	CIRC	PP		WORK TIGHT HOLE, PUMP SWEEP, & CIRC						
1:30	13:30	12.00	P-DRL	RMWASH	PP		WASH & REAM F/ 3510' TO 5126' REAM THRU TIGHT SPOT @ 5010'						
13:30	14:00	0.50	P-DRL	RIGSER	PP		RIG SER						
14:00	20:30	6.50	P-DRL	RMWASH	PP		WASH & REAM F 5126' TO 6051'						
20:30	0:00	3.50	P-DRL	TRIP	PN		WASH AND REAM TIGHT HOLE F/ 6051' COULD NOT REAM DOWN TORQUE CAME UP STARTED BACK REAMING OUT OF HOLE;						
24.00 = Total Hours Today													
06:00 UPDATE													
0000-0600 WORK STUCK PIPE ; PIPE MOVED UP TO 5999'													
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	ULTERRA		613	56111	7x14		7,603.00 / 03-27-2012		1-1-WT-A-X-1-NO-TD			
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 (%)
29.00	0.00/0	0/0	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	0.00	CUM COST	17,470	%OIL	0.00	% H2O	0.00



APACHE CORPORATION
Daily Drilling Report

Page 2 of 2

WELLBORE NAME UNIVERSITY LANDS A 37 6H										DATE 03-28-2012	
API # 4210335972 00		24 HRS PROG (ft)		TMD 7,603.0 (ft)			TVD 2,961.5 (ft)			REPT NO 30	
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)		(kip)		(kip)		(kip)		(ft-lbf)		84.15 (ft)	
COMPONENT TYPE		ITEM DESCRIPTION				NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
						0	7,518.85				
		STRING REAMER				1	9.55	6.000	2.250	4.500	NC46 XH
		DP				1	31.44		2.250		
		STRING REAMER				1	8.27	6.000	2.250	4.500	NC46 XH
		DP				1	31.28		2.250		
		BIT SUB				1	2.61	6.000	2.250	4.500	NC46 XH
		PDC BIT				1	1.00		2.250	4.500	API REG
CASING											
S/T	DESCRIPTION			SIZE		WEIGHT		GRADE		SETTING DEPTH	
OH	SURFACE			13.375		48.00		H-40		1,000.0	
OH	INTERMEDIATE 1			8.625		32.00		J55		2,952.0	
OH	CONDUCTOR										
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		
CAPSTAR DRILLING Inc. PUSHER			1	24.00	JW MULLOYCONSULTING			1	24.00		
CAPSTAR DRILLING Inc. CREW			9	72.00							
TOTAL PERSONNEL ON BOARD: 11											
TOTAL HOURS ON BOARD: 120											
MATERIALS/CONSUMPTION											
ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND				
DIESEL, RIG FUEL	gal	998	3366								
SAFETY DRILLS											
RAMS (psi)	ANNULARS (psi)	CASING	LAST BOP PRESS TEST	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	ABND. DRILL				
1000	03-19-2012 / 1000	03-19-2012 / 1,000.00	03-19-2012	04-02-2012							
INCIDENT REPORT											
INCIDENTS TYPE	NONE	LOST TIME?	NO	INCIDENTS DESCRIPTION							
MUD INVENTORY											
ITEM	UNIT	USAGE	Day Cost (\$)	ON HAND							
DRLG MUD			0.00	-3,594.00							



APACHE CORPORATION
Daily Drilling Report

Page 1 of 2

WELLBORE NAME UNIVERSITY LANDS A 37 6H										DATE 03-29-2012			
API # 4210335972 00		24 HRS PROG (ft)		TMD 7,603.0 (ft)			TVD 2,961.5 (ft)			REPT NO 31			
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE		AUTH TMD 7,654.00 (ft)		PLANNED DOW 16.00 (days)		DFS / KO 20.38 (days)		DOL 24.75 (days)			
SPUD DATE 03-09-2012 15:00		RIG RELEASE		SUPERVISOR JOE BARRERA 806-781-4306				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-12-0031-D		AFE COSTS		DAILY COSTS		CUMULATIVE COSTS							
DESCRIPTION: DRL HORIZ GRAYBURG WELL 3008' TVD; 7654' MD		DHC: 1,209,500 DCC: CWC: Others: TOTAL: 1,209,500		DHC: 25,947 DCC: CWC: Others: TOTAL: 25,947		DHC: 1,195,333 DCC: CWC: Others: TOTAL: 1,195,333							
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)		LAST SAFETY MEETING 3/29/2012		BLOCK		OCSG#		TARGET FORMATION GRAYBURG		BHA HRS OF SERVICE			
LAST SURVEY MD 6,619.00 (ft) INC 91.70° AZM 166.20°				LAST CSG SHOE TEST (EMW)		LAST CASING 8.625 in @ 2,952.0 ft		NEXT CASING 5.500 in @ 7,602.0 ft					
CURRENT OPERATIONS: TIH W/ REAMER ASSEMBLY													
24 HR SUMMARY: WORK TIGHT HOLE F/ 6051' TO 5889' ; RIG SER ; TOH ; WORK TIGHT HOLE F/ 5889' TO 5825' ; PULLED OUT OF TIGHT HOLE ; TOH													
24 HR FORECAST: TIH W/ REAMER ASSEMBLY & REAM TO TD													
DAILY OP COMMENTS													
WORK TIGHT HOLE F/ 6051' TO 5889' ; RIG SER ; TOH ; WORK TIGHT HOLE F/ 5889' TO 5825' ; PULLED OUT OF TIGHT HOLE ; TOH													
OPERATION SUMMARY													
From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY						
0:00	11:30	11.50	P-DRL	TRIP	PN	HC	WORK TIGHT HOLE F/ 6051' TO 5889'						
11:30	12:00	0.50	P-DRL	RIGSER	PP		RIG SER						
12:00	0:00	12.00	P-DRL	TRIP	PN	HC	TOH ; WORK TIGHT HOLE F/ 5889' TO 5825' ; PULLED OUT OF TIGHT HOLE ; TOH						
24.00 = Total Hours Today													
06:00 UPDATE													
0000-0600 TOH ; L/D REAMERS & BIT # 8 ; M/U NEW BIT & REAMERS ; 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				
8 / 2	7.875	ULTERRA		613	56111	7x14	7,603.00 / 03-27-2012		3-3-CT-A-X-1-WT-TD				
MOTOR OUTPUT													
RPV:				ROTARY CURRENT:				TOTAL RPM:					
LCM:				MUD PROPERTIES				MUD TYPE: BRINE					
VIS (s/qt)	PV/YP (cp) / (lbf/100ft²)	GELS (lbf/100ft²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
29.00			104.8										
Density (ppg)	10.00			PP		DAILY COST	4,319.60	CUM COST	21,790	%OIL		% H2O	
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)		(kip)		(kip)		(kip)		(ft-lbf)		84.15 (ft)			



APACHE CORPORATION
Daily Drilling Report

Page 2 of 2

WELLBORE NAME UNIVERSITY LANDS A 37 6H							DATE 03-29-2012
API # 4210335972 00	24 HRS PROG (ft)	TMD 7,603.0 (ft)	TVD 2,961.5 (ft)	REPT NO 31			

COMPONENT TYPE	ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
		0	7,518.85				
	STRING REAMER	1	9.55	6.000	2.250	4.500	NC46 XH
	DP	1	31.44		2.250		
	STRING REAMER	1	8.27	6.000	2.250	4.500	NC46 XH
	DP	1	31.28		2.250		
	BIT SUB	1	2.61	6.000	2.250	4.500	NC46 XH
	PDC BIT	1	1.00		2.250	4.500	API REG

CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
OH	SURFACE	13.375	48.00	H-40	1,000.0
OH	INTERMEDIATE 1	8.625	32.00	J55	2,952.0
OH	CONDUCTOR				

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

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
CAPSTAR DRILLING Inc. PUSHES	1	24.00	JW MULLOYCONSULTING	1	24.00
CAPSTAR DRILLING Inc. CREW	9	72.00			

TOTAL PERSONNEL ON BOARD: 11

TOTAL HOURS ON BOARD: 120

SAFETY DRILLS

RAMS (psi)	ANNULARS (psi)	CASING	LAST BOP PRESS TEST	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	ABND. DRILL
1000	03-19-2012 / 1000	03-19-2012 / 1,000.00	03-19-2012	04-02-2012			

INCIDENT REPORT

INCIDENTS TYPE NONE	LOST TIME? NO	INCIDENTS DESCRIPTION
---------------------	---------------	-----------------------

MUD INVENTORY

ITEM	UNIT	USAGE	Day Cost (\$)	ON HAND
DRLG MUD		4,319.60	4,319.60	-3,594.00



APACHE CORPORATION
Daily Drilling Report

Page 1 of 2

WELLBORE NAME UNIVERSITY LANDS A 37 6H										DATE 03-30-2012			
API # 4210335972 00		24 HRS PROG (ft)		TMD 7,603.0 (ft)			TVD 2,961.5 (ft)			REPT NO 32			
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE			AUTH TMD 7,654.00 (ft)		PLANNED DOW 16.00 (days)		DFS / KO 21.38 (days)		DOL 25.75 (days)		
SPUD DATE 03-09-2012 15:00		RIG RELEASE		SUPERVISOR JOE BARRERA 806-781-4306				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-12-0031-D		AFE COSTS			DAILY COSTS			CUMULATIVE COSTS					
DESCRIPTION: DRL HORIZ GRAYBURG WELL 3008' TVD; 7654' MD		DHC: 1,209,500 DCC: CWC: Others: TOTAL: 1,209,500			DHC: 31,575 DCC: CWC: Others: TOTAL: 31,575			DHC: 1,226,908 DCC: CWC: Others: TOTAL: 1,226,908					
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)		LAST SAFETY MEETING 3/30/2012		BLOCK		OCSG#		TARGET FORMATION GRAYBURG		BHA HRS OF SERVICE			
LAST SURVEY MD 6,619.00 (ft) INC 91.70° AZM 166.20°				LAST CSG SHOE TEST (EMW)		LAST CASING 8.625 in @ 2,952.0 ft			NEXT CASING 5.500 in @ 7,602.0 ft				
CURRENT OPERATIONS: REAMING & WASHING @ 5950'													
24 HR SUMMARY: TOH ; WOO ; M/U BIT #9 & REAMERS ; TIH TO 2952' ; WASH & REAM F/ 2952' TO 5000' ; 2048' @ 110'/HR													
24 HR FORECAST: CONTINUE REAMING TO TD ; TOH													
DAILY OP COMMENTS													
TOH ; WOO ; M/U BIT #9 & REAMERS ; TIH TO 2952' ; WASH & REAM F/ 2952' TO 5000' ; 2048' @ 110'/HR													
OPERATION SUMMARY													
From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY						
0:00	1:00	1.00	P-DRL	TRIP	PP		TOH ; L/D REAMERS & BIT						
1:00	3:00	2.00	P-DRL	WOO	PP		WOO						
3:00	5:30	2.50	P-DRL	TRIP	PP		M/U BIT #9 & REAMERS ; TIH						
5:30	0:00	18.50	P-DRL	RMWASH	PP		REAM & WASH F/ 2962' TO 5000 ; 2048' @110'/HR						
24.00 = Total Hours Today													
06:00 UPDATE													
0000-0600 REAMING & WASHING F/ 5000' TO 5950'													
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			
9 / 1		7.875	ULTERRA		Z39KRS	CZ806	3x18	7,603.00 / 03-30-2012		-----			
8 / 2		7.875	ULTERRA		613	56111	7x14	7,603.00 / 03-27-2012		3-3-CT-A-X-1-WT-TD			
MOTOR OUTPUT													
RPV:				ROTARY CURRENT:				TOTAL RPM:					
LCM:		MUD PROPERTIES						MUD TYPE: BRINE					
VIS (s/qt)	PV/YP (cp) / (lb/100ft²)	GELS (lb/100ft²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%)/(lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
29.00													
Density (ppg)	10.00			PP		DAILY COST	1,885.13	CUM COST	23,675	%OIL		% H2O	



APACHE CORPORATION
Daily Drilling Report

Page 2 of 2

WELLBORE NAME UNIVERSITY LANDS A 37 6H										DATE 03-30-2012	
API # 4210335972 00		24 HRS PROG (ft)		TMD 7,603.0 (ft)			TVD 2,961.5 (ft)			REPT NO 32	
BHA	9	JAR S/N		BHA / HOLE CONDITIONS				JAR HRS		BIT	9
BHA WT BELOW JARS		STRING WT UP		STRING WT DN		STRING WT ROT		TORQUE/UNITS		BHA LENGTH	
(kip)		(kip)		(kip)		(kip)		(ft-lbf)		75.55 (ft)	
COMPONENT TYPE		ITEM DESCRIPTION				NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
						0	7,527.45				
		STRR REAMER				1	4.56	6.000		4.500	NC46 XH
		DP				1	31.28			4.500	NC46 XH
		SR REAMER				1	4.66			4.500	NC46 XH
		DP				1	31.44			4.500	NC46 XH
		BIT SUB				1	2.61			4.500	NC46 XH
		ULKTERRA Z39KRS				1	1.00			4.500	API REG
CASING											
S/T	DESCRIPTION			SIZE		WEIGHT		GRADE		SETTING DEPTH	
OH	SURFACE			13.375		48.00		H-40		1,000.0	
OH	INTERMEDIATE 1			8.625		32.00		J55		2,952.0	
OH	CONDUCTOR										
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		
CAPSTAR DRILLING Inc. PUSHER			1	24.00	JW MULLOYCONSULTING			1	24.00		
CAPSTAR DRILLING Inc. CREW			9	72.00							
TOTAL PERSONNEL ON BOARD: 11											
TOTAL HOURS ON BOARD: 120											
MATERIALS/CONSUMPTION											
ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND				
DIESEL, RIG FUEL	gal	1420	4987								
SAFETY DRILLS											
RAMS (psi)	ANNULARS (psi)	CASING	LAST BOP PRESS TEST	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	ABND. DRILL				
1000	03-19-2012 / 1000	03-19-2012 / 1,000.00	03-19-2012	04-02-2012							
INCIDENT REPORT											
INCIDENTS TYPE	NONE	LOST TIME?	NO	INCIDENTS DESCRIPTION							
MUD INVENTORY											
ITEM	UNIT	USAGE	Day Cost (\$)	ON HAND							
DRLG MUD		1,885.13	1,885.13	-3,594.00							



APACHE CORPORATION

Page 1 of 2

Daily Drilling Report

WELLBORE NAME UNIVERSITY LANDS A 37 6H										DATE 03-31-2012				
API # 4210335972 00		24 HRS PROG (ft)		TMD 7,603.0 (ft)			TVD 2,961.5 (ft)			REPT NO 33				
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE			AUTH TMD 7,654.00 (ft)		PLANNED DOW 16.00 (days)		DFS / KO 22.38 (days)		DOL 26.75 (days)			
SPUD DATE 03-09-2012 15:00		RIG RELEASE		SUPERVISOR JOE BARRERA 806-781-4306				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-12-0031-D DESCRIPTION: DRL HORIZ GRAYBURG WELL 3008' TVD; 7654' MD				AFE COSTS DHC: 1,209,500 DCC: CWC: Others: TOTAL: 1,209,500			DAILY COSTS DHC: 22,437 DCC: CWC: Others: TOTAL: 22,437			CUMULATIVE COSTS DHC: 1,249,345 DCC: CWC: Others: TOTAL: 1,249,345				
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)				LAST SAFETY MEETING 3/31/2012		BLOCK		OCSG#		TARGET FORMATION GRAYBURG			BHA HRS OF SERVICE	
LAST SURVEY MD 6,619.00 (ft) INC 91.70° AZM 166.20°						LAST CSG SHOE TEST (EMW)		LAST CASING 8.625 in @ 2,952.0 ft			NEXT CASING 5.500 in @ 7,602.0 ft			
CURRENT OPERATIONS: TOH HOLE														
24 HR SUMMARY: REAM F/ 5000' TO 6868' ; 1668' @123.5'/HR ; SER RIG ; REAM F/ 6868' TO 7603' ; 735' @ 105'/HR ; CIRC ; PUMP 2 HI-VIS SWEEPS ; CIRC HOLE CLEAN ; TOH TO LOG														
24 HR FORECAST: TOH ; LOG WELL														
DAILY OP COMMENTS														
REAM F/ 5000' TO 6868' ; 1668' @123.5'/HR ; SER RIG ; REAM F/ 6868' TO 7603' ; 735' @ 105'/HR ; CIRC ; PUMP 2 HI-VIS SWEEPS ; CIRC HOLE CLEAN ; TOH TO LOG														
OPERATION SUMMARY														
From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY							
0:00	13:30	13.50	P-DRL	RMWASH	PP		REAM F/ 5000' TO 6868' ; 1668' @123.5'/HR							
13:30	14:00	0.50	P-DRL	RIGSER	PP		RIG SER							
14:00	21:00	7.00	P-DRL	RMWASH	PP		REAM F/ 6868' TO 7603' ; 735' @ 105'/HR							
21:00	22:30	1.50	P-DRL	CIRRUN	PP		CIRC ; PUMP 2 HI-VIS SWEEPS ; CIRC HOLE CLEAN							
22:30	0:00	1.50	P-DRL	TRIP	PP		TOH TO LOG							
24.00 = Total Hours Today														
06:00 UPDATE														
0000-0600 TOH TO LOG														
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		
9 / 1		7.875	ULTERRA		Z39KRS		CZ806	3x18		7,603.00 / 03-30-2012		-----		
MOTOR OUTPUT														
RPV:				ROTARY CURRENT:				TOTAL RPM:						
LCM: 0.0				MUD PROPERTIES				MUD TYPE: BRINE						
VIS (s/qt)	PV/YP (cp) / (lbf/100ft²)	GELS (lbf/100ft²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)	
29.00	0.00/0	0/0	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	0.00	CUM COST	23,675	%OIL	0.00	% H2O	0.00	



APACHE CORPORATION
Daily Drilling Report

Page 2 of 2

WELLBORE NAME UNIVERSITY LANDS A 37 6H										DATE 03-31-2012	
API # 4210335972 00		24 HRS PROG (ft)		TMD 7,603.0 (ft)			TVD 2,961.5 (ft)			REPT NO 33	
BHA	9	JAR S/N		BHA / HOLE CONDITIONS				JAR HRS		BIT	9
BHA WT BELOW JARS		STRING WT UP		STRING WT DN		STRING WT ROT		TORQUE/UNITS		BHA LENGTH	
(kip)		(kip)		(kip)		(kip)		(ft-lbf)		75.55 (ft)	
COMPONENT TYPE		ITEM DESCRIPTION				NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
						0	7,527.45				
		STRR REAMER				1	4.56	6.000		4.500	NC46 XH
		DP				1	31.28			4.500	NC46 XH
		SR REAMER				1	4.66			4.500	NC46 XH
		DP				1	31.44			4.500	NC46 XH
		BIT SUB				1	2.61			4.500	NC46 XH
		ULKTERRA Z39KRS				1	1.00			4.500	API REG
CASING											
S/T	DESCRIPTION			SIZE		WEIGHT		GRADE		SETTING DEPTH	
OH	SURFACE			13.375		48.00		H-40		1,000.0	
OH	INTERMEDIATE 1			8.625		32.00		J55		2,952.0	
OH	CONDUCTOR										
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		
CAPSTAR DRILLING Inc. PUSHER			1	24.00	JW MULLOYCONSULTING			1	24.00		
CAPSTAR DRILLING Inc. CREW			9	72.00							
TOTAL PERSONNEL ON BOARD: 11											
TOTAL HOURS ON BOARD: 120											
MATERIALS/CONSUMPTION											
ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND				
DIESEL, RIG FUEL	gal	1496	3491								
SAFETY DRILLS											
RAMS (psi)	ANNULARS (psi)	CASING	LAST BOP PRESS TEST	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	ABND. DRILL				
1000	03-19-2012 / 1000	03-19-2012 / 1,000.00	03-19-2012	04-02-2012							
INCIDENT REPORT											
INCIDENTS TYPE	NONE	LOST TIME?	NO	INCIDENTS DESCRIPTION							
MUD INVENTORY											
ITEM	UNIT	USAGE	Day Cost (\$)	ON HAND							
DRLG MUD			0.00	-3,594.00							



APACHE CORPORATION

Page 1 of 3

Daily Drilling Report

WELLBORE NAME UNIVERSITY LANDS A 37 6H						DATE 04-01-2012					
API # 4210335972 00		24 HRS PROG (ft)		TMD 7,603.0 (ft)		TVD 2,961.5 (ft)		REPT NO 34			
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE		AUTH TMD 7,654.00 (ft)		PLANNED DOW 16.00 (days)		DFS / KO 23.38 (days)		DOL 27.75 (days)	
SPUD DATE 03-09-2012 15:00		RIG RELEASE		SUPERVISOR JOE BARRERA 806-781-4306				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	
APE # PA-12-0031-D		APE COSTS		DAILY COSTS				CUMULATIVE COSTS			
DESCRIPTION: DRL HORIZ GRAYBURG WELL 3008' TVD; 7654' MD		DHC: 1,209,500 DCC: CWC: Others: TOTAL: 1,209,500		DHC: 18,950 DCC: CWC: Others: TOTAL: 18,950				DHC: 1,270,304 DCC: CWC: Others: TOTAL: 1,270,304			
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)		LAST SAFETY MEETING 4/1/2012		BLOCK		OCSG#		TARGET FORMATION GRAYBURG		BHA HRS OF SERVICE	
LAST SURVEY				LAST CSG SHOE TEST (EMW)		LAST CASING		NEXT CASING			
MD 6,619.00 (ft) INC 91.70° AZM 166.20°						8.625 in @ 2,952.0 ft		5.500 in @ 7,602.0 ft			
CURRENT OPERATIONS: WAIT ON FISHING TOOLS & TOOL HAND											
24 HR SUMMARY: TOH ; RIG SER ; P/U WEATHERFORD SHUTTLE LOGGING TOOLS ; TIH ; EVACUATE RIG DUE TO BRUSH FIRES ; TIH W/ LOGGING TOOLS ; PRESSURE TEST LOGGING TOOLS ; LOST 1100 PSI PRESSURE & 22K STRING WT ; TOH RECOVERED 50 JTS DP ; WOO											
24 HR FORECAST: TIH TO FISH OUT DRILL STRING & LOGGING TOOLS											
DAILY OP COMMENTS											
TOH ; RIG SER ; P/U WEATHERFORD SHUTTLE LOGGING TOOLS ; TIH ; EVACUATE RIG DUE TO BRUSH FIRES ; TIH W/ LOGGING TOOLS ; PRESSURE TEST LOGGING TOOLS ; LOST 1100 PSI PRESSURE & 22K STRING WT ; TOH RECOVERED 50 JTS DP ; WOO											
OPERATION SUMMARY											
From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY				
0:00	6:00	6.00	P-DRL	TRIP	PP		TOH ; L/D STRR REAMERS & BIT				
6:00	6:30	0.50	P-DRL	RIGSER	PP		RIG SER				
6:30	7:30	1.00	P-DRL	RIGSER	PP		LOAD 3.5" DP ON RACK & STRAP SAME				
7:30	16:00	8.50	P-DRL	TRIP	PP		HSM ; P/U & R/U WEATHERFORD SHUTTLE LOGGING TOOLS ; TIH				
16:00	18:00	2.00	P-DRL	WOW	PN	FM	EVACUATE RIG DUE TO BRUSH FIRES ON LEASE ; SAFETY ISSUE				
18:00	21:30	3.50	P-DRL	TRIP	PP		TIH W/ WEATHERFORD SHUTTLE LOGGING TOOLS				
21:30	22:00	0.50	P-DRL	TRIP	PP		PRESSURE TEST LOGGING TOOLS ; LOST 1100 PSI PRESSURE & 22K STRING WT.				
22:00	23:30	1.50	P-DRL	TRIP	PN	DP	TOH ; RECOVERED 50 JTS OF 4.5" DP ; TUBULARS LEFT IN HOLE ARE AS FOLLOWS: 137 JTS 4.5" DP 1 X-OVER FLOAT SUB 1 JT 3.5" DP U LATCH L LATCH 5 JTS OF 3.5" DP CLS MULE SHOE.				
23:30	0:00	0.50	P-DRL	WOO	PN	DP	WAIT ON FISHING TOOLS & TOOL HAND				
24.00 = Total Hours Today											
06:00 UPDATE											
0000-0600 WAIT ON FISHING TOOLS & TOOL HAND											



APACHE CORPORATION
Daily Drilling Report

Page 2 of 3

WELLBORE NAME UNIVERSITY LANDS A 37 6H				DATE 04-01-2012
API # 4210335972 00	24 HRS PROG (ft)	TMD 7,603.0 (ft)	TVD 2,961.5 (ft)	REPT NO 34

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
9 / 1	7.875	ULTERRA	Z39KRS	CZ806	3x18	7,603.00 / 03-30-2012	1-1-WT-A-0-1-NO-BHA

MOTOR OUTPUT

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

VIS (s/qt)	PV/YP (cp) / (lbf/100ft ²)	GELS (lbf/100ft ²)	WL/HHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%)/(lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
29.00													
Density (ppg)	10.00			PP		DAILY COST	0.00	CUM COST	25,917	%OIL		% H2O	

BHA	9	JAR S/N		BHA / HOLE CONDITIONS				JAR HRS		BIT	9
-----	---	---------	--	-----------------------	--	--	--	---------	--	-----	---

BHA WT BELOW JARS	STRING WT UP	STRING WT DN	STRING WT ROT	TORQUE/UNITS	BHA LENGTH
(kip)	(kip)	(kip)	(kip)	(ft-lbf)	75.55 (ft)

COMPONENT TYPE	ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
		0	7,527.45				
	STRR REAMER	1	4.56	6.000		4.500	NC46 XH
	DP	1	31.28			4.500	NC46 XH
	SR REAMER	1	4.66			4.500	NC46 XH
	DP	1	31.44			4.500	NC46 XH
	BIT SUB	1	2.61			4.500	NC46 XH
	ULKTERRA Z39KRS	1	1.00			4.500	API REG

CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
OH	SURFACE	13.375	48.00	H-40	1,000.0
OH	INTERMEDIATE 1	8.625	32.00	J55	2,952.0
OH	CONDUCTOR				

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
CAPSTAR DRILLING Inc. PUSHER	1	24.00	JW MULLOYCONSULTING	1	24.00
WEATHERFORD	2	19.00	CAPSTAR DRILLING Inc. CREW	9	72.00

TOTAL PERSONNEL ON BOARD: 13

TOTAL HOURS ON BOARD: 139

MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
DIESEL, RIG FUEL	gal	423	2992				

SAFETY DRILLS

RAMS (psi)	ANNULARS (psi)	CASING	LAST BOP PRESS TEST	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	ABND. DRILL
1000	03-19-2012 / 1000	03-19-2012 / 1,000.00	03-19-2012	04-02-2012			

INCIDENT REPORT

INCIDENTS TYPE	NONE	LOST TIME?	NO	INCIDENTS DESCRIPTION
----------------	------	------------	----	-----------------------



APACHE CORPORATION
Daily Drilling Report

Page 1 of 2

WELLBORE NAME UNIVERSITY LANDS A 37 6H										DATE 04-02-2012			
API # 4210335972 00		24 HRS PROG (ft)		TMD 7,603.0 (ft)			TVD 2,961.5 (ft)			REPT NO 35			
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE			AUTH TMD 7,654.00 (ft)		PLANNED DOW 16.00 (days)		DFS / KO 24.38 (days)		DOL 28.75 (days)		
SPUD DATE 03-09-2012 15:00		RIG RELEASE		SUPERVISOR JOE BARRERA 806-781-4306				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-12-0031-D		AFE COSTS			DAILY COSTS			CUMULATIVE COSTS					
DESCRIPTION: DRL HORIZ GRAYBURG WELL 3008' TVD; 7654' MD		DHC: 1,209,500 DCC: CWC: Others: TOTAL: 1,209,500			DHC: 18,950 DCC: CWC: Others: TOTAL: 18,950			DHC: 1,289,254 DCC: CWC: Others: TOTAL: 1,289,254					
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)		LAST SAFETY MEETING 4/2/2012		BLOCK		OCSG#		TARGET FORMATION GRAYBURG			BHA HRS OF SERVICE		
LAST SURVEY MD 6,619.00 (ft) INC 91.70° AZM 166.20°				LAST CSG SHOE TEST (EMW)		LAST CASING 8.625 in @ 2,952.0 ft			NEXT CASING 5.500 in @ 7,602.0 ft				
CURRENT OPERATIONS: PICKING UP SHUTTLE LOGGING TOOLS													
24 HR SUMMARY: WAITING ON FISHING TOOLS. MADE UP FISHING TOOLS. TRIP IN HOLE WITH FISHING TOOLS. FISHING. TRIPPING OUT OF THE HOLE WITH FISHING TOOLS													
24 HR FORECAST: TRIPPING IN THE HOLE WITH LOGGING TOOLS													
OPERATION SUMMARY													
From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY						
0:00	15:00	15.00	P-DRL	WOO	PN	DP	WAIT ON FISHING TOOLST						
15:00	15:30	0.50	P-DRL	TRIP	PN	DP	M/U FISHING TOOLS ; RAN SCREW IN SUB W/ BUMPER SUB						
15:30	17:00	1.50	P-DRL	TRIP	PN	DP	TIH W/ SCREW IN SUB						
17:00	17:30	0.50	P-DRL	TRIP	PN	DP	TRY TO SCREW INTO FISH ; LATCHED ONTO FISH GAINED 43K STRING WT.						
17:30	0:00	6.50	P-DRL	TRIP	PN	DP	TOH ; L/D FISHING TOOLS ; TOH W/ LOGGING TOOLS						
24.00 = Total Hours Today													
06:00 UPDATE													
0000-0600 LAID DOWN LOGGING TOOLS. RECALIBRATE LOGGING TOOLS. PICKUP LOGGING TOOLS													
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		
9 / 1		7.875	ULTERRA		Z39KRS	CZ806	3x18		7,603.00 / 03-30-2012		1-1-WT-A-0-1-NO-BHA		
MOTOR OUTPUT													
RPV:				ROTARY CURRENT:				TOTAL RPM:					
LCM:				MUD PROPERTIES				MUD TYPE:					
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 (%)
					PP	DAILY COST	0.00	CUM COST	25.917	%OIL		% H2O	
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)		210.02 (ft)			



APACHE CORPORATION
Daily Drilling Report

Page 2 of 2

WELLBORE NAME UNIVERSITY LANDS A 37 6H					DATE 04-02-2012	
API # 4210335972 00	24 HRS PROG (ft)	TMD 7,603.0 (ft)	TVD 2,961.5 (ft)		REPT NO 35	

COMPONENT TYPE	ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
		0	7,392.98				
	X-OVER	1	3.22	4.750	2.500	4.500	NC46 XH
	FLOAT SUB	1	2.30	4.750	2.125	3.500	NC38 IF
	3.5" DP	1	30.65			3.500	NC38 IF
	U LATCH	1	4.50	4.750	2.500	3.500	NC38 IF
	L LATCH	1	5.50	4.750	2.500	3.500	NC38 IF
	3.5" DP	1	154.03	4.750	2.500	3.500	NC38 IF
	CIRC SUB	1	8.20	4.750	2.500	3.500	NC38 IF
	MULE SHOE	1	1.62	4.750	2.500	3.500	NC38 IF

CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
OH	SURFACE	13.375	48.00	H-40	1,000.0
OH	INTERMEDIATE 1	8.625	32.00	J55	2,952.0
OH	CONDUCTOR				

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
CAPSTAR DRILLING Inc. PUSHER	1	24.00	JW MULLOYCONSULTING	1	24.00
CAPSTAR DRILLING Inc. CREW	9	72.00			

TOTAL PERSONNEL ON BOARD: 11

TOTAL HOURS ON BOARD: 120

SAFETY DRILLS

RAMS (psi)	ANNULARS (psi)	CASING	LAST BOP PRESS TEST	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	ABND. DRILL
1000	03-19-2012 / 1000	03-19-2012 / 1,000.00	03-19-2012	04-02-2012			

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



APACHE CORPORATION

Page 1 of 2

Daily Drilling Report

WELLBORE NAME UNIVERSITY LANDS A 37 6H										DATE 04-03-2012			
API # 4210335972 00		24 HRS PROG (ft)		TMD 7,603.0 (ft)			TVD 2,961.5 (ft)			REPT NO 36			
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE		AUTH TMD 7,654.00 (ft)		PLANNED DOW 16.00 (days)		DFS / KO 25.38 (days)		DOL 29.75 (days)			
SPUD DATE 03-09-2012 15:00		RIG RELEASE		SUPERVISOR JOE BARRERA 806-781-4306				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-12-0031-D		AFE COSTS		DAILY COSTS				CUMULATIVE COSTS					
DESCRIPTION: DRL HORIZ GRAYBURG WELL 3008' TVD; 7654' MD		DHC: 1,209,500 DCC: CWC: Others: TOTAL: 1,209,500		DHC: 18,589 DCC: CWC: Others: TOTAL: 18,589				DHC: 1,309,260 DCC: CWC: Others: TOTAL: 1,309,260					
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)		LAST SAFETY MEETING 4/3/2012		BLOCK		OCSG#		TARGET FORMATION GRAYBURG		BHA HRS OF SERVICE			
LAST SURVEY MD 6,619.00 (ft) INC 91.70° AZM 166.20°				LAST CSG SHOE TEST (EMW)		LAST CASING 8.625 in @ 2,952.0 ft		NEXT CASING 5.500 in @ 7,602.0 ft					
CURRENT OPERATIONS: RE-CALIBRATE LOGGING TOOLS													
24 HR SUMMARY: L/D LOGGING TOOL ; RECALIBRATE LOGGING TOOLS ; P/U LOGGING TOOLS ; TIH W/ WEATHERFORD SHUTTLE LOGGING TOOLS ; LOGS TD @ 7603 ; DROP SPEAR & DEPLOY LOGGING TOOLS ; LOG WELL @ 30'/ MINUTE													
24 HR FORECAST: TIH W/ SHUTTLE LOGGING TOOLS & LOG WELL													
DAILY OP COMMENTS													
L/D LOGGING TOOL ; RECALIBRATE LOGGING TOOLS ; P/U LOGGING TOOLS ; TIH W/ WEATHERFORD SHUTTLE LOGGING TOOLS ; LOGS TD @ 7603 ; DROP SPEAR & DEPLOY LOGGING TOOLS ; LOG WELL @ 30'/ MINUTE													
OPERATION SUMMARY													
From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY						
0:00	1:30	1.50	P-EVAL	LOG	PP		L/D LOGGING TOOLS						
1:30	5:00	3.50	P-EVAL	LOG	PP		RECALIBRATE LOGGING TOOLS						
5:00	6:00	1.00	P-EVAL	LOG	PP		P/U LOGGING TOOLS						
6:00	17:00	11.00	P-EVAL	LOG	PP		TIH W/ WEATHERFORD SHUTTLE LOGGING TOOLS ; LOGS TD @ 7603						
17:00	17:30	0.50	P-EVAL	LOG	PP		DROP SPEAR & DEPLOY LOGGING TOOLS						
17:30	0:00	6.50	P-EVAL	LOG	PP		LOG WELL @ 30'/ MINUTE						
24.00 = Total Hours Today													
06:00 UPDATE													
0000-0600 LOG WELL W/ SHUTTLE LOGGING TOOLS ; L/D TOOLS ; SLIP & CUT DRLG LINE ; RECALIBRATE LOGGING TOOLS													
MOTOR OUTPUT													
RPV:				ROTARY CURRENT:				TOTAL RPM:					
LCM:				MUD PROPERTIES				MUD TYPE: BRINE					
VIS (s/qt)	PV/YP (cp) / (lb/100ft ²)	GELS (lb/100ft ²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
29.00													
Density (ppg)	10.00			PP		DAILY COST	0.00	CUM COST	25,917	%OIL		% H2O	
BHA	12	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)		210.02 (ft)			



APACHE CORPORATION
Daily Drilling Report

Page 2 of 2

WELLBORE NAME UNIVERSITY LANDS A 37 6H	DATE 04-03-2012
---	--------------------

API # 4210335972 00	24 HRS PROG (ft)	TMD 7,603.0 (ft)	TVD 2,961.5 (ft)	REPT NO 36
------------------------	---------------------	---------------------	---------------------	---------------

COMPONENT TYPE	ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
		0	7,392.98				
	X-OVER	1	3.22	6.000	2.250	4.500	NC46 XH
	FLOAT SUB	1	2.30	4.750	2.125	3.500	NC38 IF
	3.5" DP	1	30.65		2.125	3.500	NC38 IF
	U LATCH	1	4.50	4.750	2.500	3.500	NC38 IF
	L LATCH	1	5.50	4.750	2.500	3.500	NC38 IF
	3.5: DP	5	154.03		2.500	3.500	NC38 IF
	CIRCULATING SUB	1	8.20	4.750	2.500	3.500	NC38 IF
	MULESHOE	1	1.62	4.750	2.500	3.500	NC38IF

CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
OH	SURFACE	13.375	48.00	H-40	1,000.0
OH	INTERMEDIATE 1	8.625	32.00	J55	2,952.0
OH	CONDUCTOR				

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
CAPSTAR DRILLING Inc. PUSHER	1	24.00	JW MULLOYCONSULTING	1	24.00
WEATHERFORD	2	24.00	CAPSTAR DRILLING Inc. CREW	9	72.00

TOTAL PERSONNEL ON BOARD: 13

TOTAL HOURS ON BOARD: 144

MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
DIESEL, RIG FUEL	gal	312	4301				

SAFETY DRILLS

RAMS (psi)	ANNULARS (psi)	CASING	LAST BOP PRESS TEST	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	ABND. DRILL
1000	03-19-2012 / 1000	03-19-2012 / 1,000.00	03-19-2012	04-02-2012			

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



APACHE CORPORATION
Daily Drilling Report

Page 1 of 2

WELLBORE NAME UNIVERSITY LANDS A 37 6H										DATE 04-04-2012			
API # 4210335972 00		24 HRS PROG (ft)		TMD 7,603.0 (ft)			TVD 2,961.5 (ft)			REPT NO 37			
RIG NAME NO CAPSTAR 119		FIELD NAME DUNE		AUTH TMD 7,654.00 (ft)		PLANNED DOW 16.00 (days)		DFS / KO 26.38 (days)		DOL 30.75 (days)			
SPUD DATE 03-09-2012 15:00		RIG RELEASE		SUPERVISOR JOE BARRERA 806-781-4306				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-12-0031-D		AFE COSTS		DAILY COSTS				CUMULATIVE COSTS					
DESCRIPTION: DRL HORIZ GRAYBURG WELL 3008' TVD; 7654' MD		DHC: 1,209,500 DCC: CWC: Others: TOTAL: 1,209,500		DHC: 24,652 DCC: CWC: Others: TOTAL: 24,652				DHC: 1,333,912 DCC: CWC: Others: TOTAL: 1,333,912					
DEFAULT DATUM / ELEVATION RKB/RT / 2,547.0 (ft)		LAST SAFETY MEETING 4/4/2012		BLOCK		OCSG#		TARGET FORMATION GRAYBURG		BHA HRS OF SERVICE			
LAST SURVEY MD 6,619.00 (ft) INC 91.70° AZM 166.20°				LAST CSG SHOE TEST (EMW)		LAST CASING 8.625 in @ 2,952.0 ft		NEXT CASING 5.500 in @ 7,602.0 ft					
CURRENT OPERATIONS: LOGGING WELL @ 5700'													
24 HR SUMMARY: LOG WELL W/ WEATHERFORD SHUTTLE LOGGING SYSTEM ; L/D LOGGING TOOLS ; SLIP & CUT DRLG LINE ; REDRESS LOGGING TOOLS F/ 2ND RUN ; TIH W/ WEATHERFORD SHUTTLE LOGGING SYSTEM ; PRESSURE TEST STRING ; STRAP DP													
24 HR FORECAST: LOG WELL W/ WEATHERFORD SHUTTLE LOGGING SYSTEM ; L/D LOGGING TOOLS ; TIH W/ PACKER PLUS NO-GO													
DAILY OP COMMENTS													
LOG WELL W/ WEATHERFORD SHUTTLE LOGGING SYSTEM ; L/D LOGGING TOOLS ; SLIP & CUT DRLG LINE ; REDRESS LOGGING TOOLS F/ 2ND RUN ; TIH W/ WEATHERFORD SHUTTLE LOGGING SYSTEM ; PRESSURE TEST STRING ; STRAP DP													
OPERATION SUMMARY													
From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	ACTIVITY SUMMARY						
0:00	2:00	2.00	P-EVAL	LOG	PP		LOG WELL W/ WEATHERFORD SHUTTLE LOGGING SYSTEM						
2:00	3:00	1.00	P-EVAL	LOG	PP		L/D LOGGING TOOLS						
3:00	5:00	2.00	P-EVAL	CUTDL	PP		SLIP & CUT DRLG LINE						
5:00	9:00	4.00	P-EVAL	LOG	PP		REDRESS LOGGING TOOLS F/ 2ND RUN						
9:00	22:30	13.50	P-EVAL	LOG	PP		TIH W/ WEATHERFORD SHUTTLE LOGGING SYSTEM						
22:30	0:00	1.50	P-EVAL	LOG	PP		PRESSURE TEST STRING ; STRAP DP						
24.00 = Total Hours Today													
06:00 UPDATE													
0000-0600 TIH W/ SHUTLLE LOGGING SYSTEM ; DEPLOY TOOLS ; LOG WELL W/ WEATHERFORD SHUTTLE LOGGING SYSTEM													
MOTOR OUTPUT													
RPV:				ROTARY CURRENT:				TOTAL RPM:					
LCM: 0.0				MUD PROPERTIES				MUD TYPE: BRINE					
VIS (s/qt)	PV/YP (cp) / (lb/100ft ²)	GELS (lb/100ft ²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
29.00	0.00/0	0/0	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	0.00	CUM COST	25,917	%OIL	0.00	% H2O	0.00
BHA	13	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)		158.55 (ft)			



APACHE CORPORATION
Daily Drilling Report

Page 2 of 2

WELLBORE NAME UNIVERSITY LANDS A 37 6H					DATE 04-04-2012	
API # 4210335972 00	24 HRS PROG (ft)	TMD 7,603.0 (ft)	TVD 2,961.5 (ft)		REPT NO 37	

COMPONENT TYPE	ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
		0	7,444.45				
	X-OVER	1	2.80	6.000	2.250	4.500	NC46 XH
	3.5" DP	1	30.67		2.250	3.500	NC38 IF
	U LATCH	1	4.50		2.250	3.500	NC38 IF
	L LATCH	1	5.50		2.250	3.500	NC38 IF
	3.5" DP	2	62.14		2.250	3.500	NC38 IF
	CIRCULATING SUB	1	8.20	4.750	2.250	3.500	NC38 IF
	WASH PIPE	1	41.78	4.750	2.250	3.500	NC38 IF
	MULE SHOE	1	2.96	4.750	2.250	3.500	NC38 IF

CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
OH	SURFACE	13.375	48.00	H-40	1,000.0
OH	INTERMEDIATE 1	8.625	32.00	J55	2,952.0
OH	CONDUCTOR				

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
JW MULLOYCONSULTING	1	24.00	CAPSTAR DRILLING Inc. PUSHES	1	24.00
WEATHERFORD	2	24.00	CAPSTAR DRILLING Inc. CREW	9	72.00

TOTAL PERSONNEL ON BOARD: 13

TOTAL HOURS ON BOARD: 144

MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
DIESEL, RIG FUEL	gal	436	3865				

SAFETY DRILLS

RAMS (psi)	ANNULARS (psi)	CASING	LAST BOP PRESS TEST	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	ABND. DRILL
1000	03-19-2012 / 1000	03-19-2012 / 1,000.00	03-19-2012	04-02-2012			

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



APACHE CORPORATION

Page 1 of 4

Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 6H							DATE 04-05-2012	
Operator APACHE CORPORATION		API 4210335972	GL 2,536.00	TMD 7,603.00	TVD 2,961.54	RKB/RT 2,547.00	Working Int % 100.00	Report No 1
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 4/5/2012 6:00:00PM		RIG PHONE NO 281-532-5388	RIG Fax No	Superintendent LARRY VAN GILDER	
AFE #: PA-12-0031-C		AFE Description:						
AFE Costs 3,080,360		Previous Day Cum 0		Daily Costs 9,451	Cumulative Cost 9,451	AFE Remaining 3,070,909		AFE % 0.31
Current Status		TIH W/ PACKER PLUS NO-GO REAMER @ 7000'						
Comment Summary		MU NO-GO REAMER & TIH TO 3300':						
24 HR Forecast		TIH TO 7603': CIRC & SPOT EVO-LUBE PILL IN LATERAL & CURVE						
24 HR Operational Comments								
From 06:00PM	To 12:00AM	Duration 6.00	Operation Description MU NO-GO REAMER & TIH TO 3300':					
Remarks								
TIH W/ PACKER PLUS NO-GO REAMER.MOVE & SLM DRILL PIPE: CONTINUE TIH TO 7000'								
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 2,391	Max Dev 93.6deg at 3,593		Max Dogleg 13.5 deg at 3,340					
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	1,000.00	850		-1,547.02	
INTERMEDIATE 1 CONDUCTOR	8.63	32	J55	2,952.00	950		317.74	
Fluids								
Type Brine	Weight 10.00	% Solids 0.00	NTU	Company Name NEWPARK				
Personnel								
Company Name	No of People	Hours Today	Cum / Event					
CAPSTAR DRILLING Inc.	9	72.0	72.0					
TOTAL ENERGY SERVICES	10	24.0	24.0					
WEATHERFORD	2	48.0	48.0					
CAPSTAR DRILLING Inc.	1	24.0	24.0					
PACKER PLUS	2	12.0	12.0					
Total:	24	180.0	180.0					
Vessels								
Vessel Type	Vessel Name		Vessel Owner	Remarks				



APACHE CORPORATION

Page 3 of 4

Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 6H							DATE 04-05-2012
Operator APACHE CORPORATION	API 4210335972	GL 2,536.00	TMD 7,603.00	TVD 2,961.54	RKB/RT 2,547.00	Working Int % 100.00	Report No 1
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	

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	30,000	0	0	0	30,000	
70006	CEMENT AND CEMENTING SERVICES	20,000	0	0	0	20,000	
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	0	3,450	3,450	124,550	CAPSTAR RIG #119
70021	CONTRACT SUPERVISION			1,700			JAMES W. GARDNER
70022	DIRECTIONAL DRILLING			0			2 DD'S / 2 MWD'S
70025	DRILLING FLUIDS			0			DAILY MUD USAGE
70031	EQUIPMENT RENTAL			0			HWDP RENTAL
70031	EQUIPMENT RENTAL			105			ERF WIRELESS
70031	EQUIPMENT RENTAL			300			PREMIX PIT
70031	EQUIPMENT RENTAL			365			PASON
70031	EQUIPMENT RENTAL			25			PIPE RACKS
70031	EQUIPMENT RENTAL			50			INTERCOM SYSTEM
70031	EQUIPMENT RENTAL			25			PASON LIVE RIG VIEW
70031	EQUIPMENT RENTAL			150			GENERATOR FOR HOUSING
70031	EQUIPMENT RENTAL			165			OFFICE / TRAILER RENTAL
70031	EQUIPMENT RENTAL			165			WATER/SEPTIC F/ LIVING QUARTERS
70031	EQUIPMENT RENTAL			0			H2S EQUIPMENT
70031	EQUIPMENT RENTAL			25			TRASH TRAILER
70031	EQUIPMENT RENTAL			365			PASON
70031	EQUIPMENT RENTAL			150			FORKLIFT
70031	EQUIPMENT RENTAL			185			DIR. DRILLER TRAILER / WATER / SEP
70031	EQUIPMENT RENTAL	130,000	0	2,075	2,075	127,925	
70034	FORMATION STIMULATION	1,500,000	0	0	0	1,500,000	
70037	FUEL AND POWER			2,226			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		2,263,500	0	9,451	9,451	2,254,049	
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	350,000	0	0	0	350,000	
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	134,000	0	0	0	134,000	
71053	TUBING	22,860	0	0	0	22,860	
71056	WELLHEAD ASSEMBLY	5,000	0	0	0	5,000	



APACHE CORPORATION

Page 1 of 4

Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 6H							DATE 04-06-2012								
Operator APACHE CORPORATION		API 4210335972		GL 2,536.00		TMD 7,603.00		TVD 2,961.54		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		RIG Fax No		Superintendent LARRY VAN GILDER					
AFE #: PA-12-0031-C		AFE Description:													
AFE Costs 3,080,360		Previous Day Cum 9,451		Daily Costs 15,919		Cumulative Cost 25,370		AFE Remaining 3,054,990		AFE % 0.82					
Current Status		TOH F/ PRODUCTION PACKER ASSY:													
Comment Summary		TIH W/ NO-GO REAMER TO 7606'; RIG REPAIR HYD. SWIVEL PUMP: CIRC & SPOT EVO-LUB PILL 300 BBLS W/ 6 DRUMS: TOH F/ PROD. PACKER ASSY:													
24 HR Forecast		TOH: RU & RUN PRODUCTION PACKER ASSY:													
24 HR Operational Comments															
From	To	Duration	Operation Description												
12:00AM	03:00AM	3.00	TIH W/ PACKER PLUS NO-GO REAMER TO 5500':												
03:00AM	04:00AM	1.00	LOAD RACKS & STRAP HWDP & DP:												
04:00AM	06:30AM	2.50	TIH W/ PACKER PLUS NO-GO REAMER TO 7603':												
06:30AM	08:00AM	1.50	CIRC SWEEP & CLEAN PRE-MIX PIT:												
08:00AM	08:30AM	0.50	RIG SERVICE												
08:30AM	11:30PM	15.00	SWIVEL HYDRAULIC PUMP FAILURE: INTERNAL LINKAGE F/ FORWARD & REVERSE SEPARATED: REPLACE HYDRAULIC PUMP AND FLUSH SYSTEM W/ FRESH HYDRAULIC OIL:												
11:30PM	12:00AM	0.50	CIRC BOTTOMS UP & MIX EVO-LUBE PILL												
Remarks															
TOH F/ PROD. PACKER ASSY:															
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 2,391		Max Dev 93.6deg at 3,593				Max Dogleg 13.5 deg at 3,340									
Casing / Tubing Information															
Description	Size	Weight	Grade			Depth	Sacks	CMT Top	Packer / SN	TOC Method					
SURFACE	13.38	48	H-40			1,000.00	850		-1,547.02						
INTERMEDIATE 1 CONDUCTOR	8.63	32	J55			2,952.00	950		317.74						
Fluids															
Type	Weight	% Solids	NTU		Company Name										
Brine	10.00	0.00			NEWPARK										
Personnel															
Company Name		No of People	Hours Today		Cum / Event										
PACKER PLUS		2	12.0		24.0										
CAPSTAR DRILLING Inc.		9	72.0		144.0										
TOTAL ENERGY SERVICES		10	24.0		48.0										
CAPSTAR DRILLING Inc.		1	24.0		48.0										
Total:		22	132.0		264.0										



APACHE CORPORATION

Page 3 of 4

Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 6H							DATE 04-06-2012
Operator APACHE CORPORATION	API 4210335972	GL 2,536.00	TMD 7,603.00	TVD 2,961.54	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	

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	30,000	0	0	0	30,000	
70006	CEMENT AND CEMENTING SERVICES	20,000	0	3,613	3,613	16,387	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	3,450	5,175	8,625	119,375	CAPSTAR RIG #119
70021	CONTRACT SUPERVISION		1,700	1,700	3,400		JAMES W. GARDNER
70022	DIRECTIONAL DRILLING		0	0	0		2 DD'S / 2 MWD'S
70025	DRILLING FLUIDS		0	0	0		DAILY MUD USAGE
70031	EQUIPMENT RENTAL			185			DIR. DRILLER TRAILER / WATER / SEP
70031	EQUIPMENT RENTAL			0			HWDP RENTAL
70031	EQUIPMENT RENTAL			165			OFFICE / TRAILER RENTAL
70031	EQUIPMENT RENTAL			365			PASON
70031	EQUIPMENT RENTAL			365			PASON
70031	EQUIPMENT RENTAL			25			PASON LIVE RIG VIEW
70031	EQUIPMENT RENTAL			0			H2S EQUIPMENT
70031	EQUIPMENT RENTAL			50			INTERCOM SYSTEM
70031	EQUIPMENT RENTAL			300			PREMIX PIT
70031	EQUIPMENT RENTAL			150			FORKLIFT
70031	EQUIPMENT RENTAL			165			WATER/SEPTIC F/ LIVING QUARTERS
70031	EQUIPMENT RENTAL			25			TRASH TRAILER
70031	EQUIPMENT RENTAL			105			ERF WIRELESS
70031	EQUIPMENT RENTAL			150			GENERATOR FOR HOUSING
70031	EQUIPMENT RENTAL			25			PIPE RACKS
70031	EQUIPMENT RENTAL	130,000	2,075	2,075	4,150	125,850	
70034	FORMATION STIMULATION	1,500,000	0	0	0	1,500,000	
70037	FUEL AND POWER		2,226	806	3,032		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	
70077	WATER			2,550			BRINE WATER F/ PILL
Total Intangible Cost		2,263,500	9,451	15,919	25,370	2,238,130	
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	350,000	0	0	0	350,000	
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	134,000	0	0	0	134,000	
71053	TUBING	22,860	0	0	0	22,860	



APACHE CORPORATION

Page 1 of 4

Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 6H							DATE 04-07-2012	
Operator APACHE CORPORATION		API 4210335972	GL 2,536.00	TMD 7,603.00	TVD 2,961.54	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		Objective	
RIG Name CAPSTAR / 119			RIG Release	RIG PHONE NO 281-532-5388	RIG Fax No	Superintendent LARRY VAN GILDER		
AFE #: PA-12-0031-C		AFE Description:						
AFE Costs 3,080,360		Previous Day Cum 25,370	Daily Costs 31,816	Cumulative Cost 57,186	AFE Remaining 3,023,174	AFE % 1.86		
Current Status		TIH W/ 5.5" LINER & PACKER ASSY W/ PBR LATCH TOOL.						
Comment Summary		MIX & SPOT EVO-LUBE PILL: TOH F/ PACKER ASSY: RU LEWIS & RUN 5.5" PKR ASSY TO 2378': WAIT ON CSG TONGS: RUN CSG TO 3145'						
24 HR Forecast		RUN CSG TO 4767': RU FLOOR SLM DP & COLLARS: RUN CSG & PACKER ASSY W/ PBR TOOL						
24 HR Operational Comments								
From	To	Duration	Operation Description					
12:00AM	02:00AM	2.00	MIX & SPOT EVO-LUBE PILL (6 DRUMS EVO LUBE / 12 BKTS EVO-CON / 300 BBLS B/W:					
02:00AM	01:00PM	11.00	TOH W/ NO-GO					
01:00PM	02:30PM	1.50	RU FLOOR: MOVE PIPE RACKS: LAY OUT PACKER ASSY:					
02:30PM	03:30PM	1.00	HSM: RU LEWIS CASING CREW:					
03:30PM	08:00PM	4.50	RUN 5.5" CSG. W/ PACKER ASSY TO 2378' (CSG TONG FAILURE)					
08:00PM	10:00PM	2.00	WAIT ON CASING TONGS					
10:00PM	12:00AM	2.00	RUN 5.5" CSG. W/ PACKER ASSY TO 3145'					
Remarks								
RUN CASING / PACKER ASSY TO 4767': RD LEWIS CSG CREW: RU FLOOR: MOVE & SLM DP, DC'S, HWDP:								
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 2,391	Max Dev 93.6deg at 3,593		Max Dogleg 13.5 deg at 3,340					
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	1,000.00	850		-1,547.02	
INTERMEDIATE 1 CONDUCTOR	8.63	32	J55	2,952.00	950		317.74	
Fluids								
Type Brine	Weight 10.00	% Solids 0.00	NTU	Company Name NEWPARK				
Personnel								
Company Name	No of People	Hours Today	Cum / Event					
LEWIS CASING CREWS	4	40.0	40.0					
PACKER PLUS	2	12.0	36.0					
TOTAL ENERGY SERVICES	10	24.0	72.0					
CAPSTAR DRILLING Inc.	1	24.0	72.0					
CAPSTAR DRILLING Inc.	9	72.0	216.0					
Total:	26	172.0	436.0					



APACHE CORPORATION

Page 3 of 4

Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 6H							DATE 04-07-2012
Operator APACHE CORPORATION	API 4210335972	GL 2,536.00	TMD 7,603.00	TVD 2,961.54	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		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	30,000	0	0	0	30,000	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,613	0	3,613	16,387	
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	8,625	13,800	22,425	105,575	CAPSTAR RIG #119
70021	CONTRACT SUPERVISION		3,400	1,700	5,100		JAMES W. GARDNER
70022	DIRECTIONAL DRILLING		0	0	0		2 DD'S / 2 MWD'S
70025	DRILLING FLUIDS			0			DAILY MUD USAGE
70025	DRILLING FLUIDS			13,025			EVO-LUB PILL
70025	DRILLING FLUIDS		0	13,025	13,025		
70031	EQUIPMENT RENTAL			105			ERF WIRELESS
70031	EQUIPMENT RENTAL			0			HWDP RENTAL
70031	EQUIPMENT RENTAL			50			INTERCOM SYSTEM
70031	EQUIPMENT RENTAL			165			WATER/SEPTIC F/ LIVING QUARTERS
70031	EQUIPMENT RENTAL			365			PASON
70031	EQUIPMENT RENTAL			185			DIR. DRILLER TRAILER / WATER / SEP
70031	EQUIPMENT RENTAL			25			TRASH TRAILER
70031	EQUIPMENT RENTAL			165			OFFICE / TRAILER RENTAL
70031	EQUIPMENT RENTAL			25			PIPE RACKS
70031	EQUIPMENT RENTAL			0			H2S EQUIPMENT
70031	EQUIPMENT RENTAL			150			FORKLIFT
70031	EQUIPMENT RENTAL			150			GENERATOR FOR HOUSING
70031	EQUIPMENT RENTAL			25			PASON LIVE RIG VIEW
70031	EQUIPMENT RENTAL			365			PASON
70031	EQUIPMENT RENTAL			300			PREMIX PIT
70031	EQUIPMENT RENTAL	130,000	4,150	2,075	6,225	123,775	
70034	FORMATION STIMULATION	1,500,000	0	0	0	1,500,000	
70037	FUEL AND POWER		3,032	1,216	4,248		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	
70077	WATER		2,550	0	2,550		
Total Intangible Cost		2,263,500	25,370	31,816	57,186	2,206,314	
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	350,000	0	0	0	350,000	
71033	OTHER SURFACE EQUIPMENT	30,000	0	0	0	30,000	
71036	PIPE, VALVES, FITTINGS	100,000	0	0	0	100,000	



APACHE CORPORATION

Page 1 of 4

Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 6H							DATE 04-08-2012	
Operator APACHE CORPORATION		API 4210335972	GL 2,536.00	TMD 7,603.00	TVD 2,961.54	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
RIG Name CAPSTAR / 119		RIG Release		RIG PHONE NO 281-532-5388		RIG Fax No		Superintendent LARRY VAN GILDER
AFE #: PA-12-0031-C		AFE Description:						
AFE Costs 3,080,360		Previous Day Cum 57,186		Daily Costs 22,657		Cumulative Cost 79,843		AFE Remaining 3,000,518
AFE % 2.59								
Current Status Comment Summary		TOH W/ PACKER ASSY: TIH W/ PACKER ASSY: ATTEMPT TO SET PACKERS: (NO PRESSURE TEST) CHECK SURF EQUIP. TEST BACKSIDE RETURNS UP DRILL STRING: TOH W/ PACKER ASSY: 24 HR Forecast TOH W/ PACKER ASSY & CHECK PACKERS & CASING:						
24 HR Operational Comments								
From	To	Duration	Operation Description					
12:00AM	02:00AM	2.00	RUN 5.5" CSG W/ PACKER ASSY TO 4764':					
02:00AM	03:30AM	1.50	RD LEWIS CSG. CREW:					
03:30AM	06:00AM	2.50	SET-UP PIPE RACKS & LOAD W/ 20 DP: 24 DC'S: 39 HWDP: 10 DP & STRAP: SWAP BOOM:					
06:00AM	07:30AM	1.50	RU FLOOR & IRON ROUGHNECK TO RUN PUSH PIPE:					
07:30AM	03:30PM	8.00	TIH W/ PUSH PIPE & 5.5" CSG & PACKER ASSY: TO 7562'					
03:30PM	04:30PM	1.00	FILL PIPE & CIRC BOTTOMS UP:					
04:30PM	07:30PM	3.00	PUMP 150 BBLS 2% KCL: DROP (2) 1.25" SETTING BALLS & PUMP DOWN @ 3 BPM @ 325# W/ 148 BBLS 2% KCL: LAND W/ 800 PSI: (PRESSURE NOT HOLDING):					
07:30PM	09:30PM	2.00	PRESSURE TO 1800#: BLED BACK TO 300#: SWAP PUMPS NO CHANGE: CHECK SURFACE EQUIP.(ANNULAR RETURNS) CLOSE ANNULAR TEST TO 400# PRESSURE HELD: PUMP DOWN BACKSIDE FLOW BACK THRU DRILL STRING @ 450# (PRESSURE NOT HOLDING): PRESSURE LOSS IN DRILL STRING OR CSG.					
09:30PM	10:00PM	0.50	WAITING ON ORDERS					
10:00PM	12:00AM	2.00	TOH W/ CSG & PACKER ASSY: STRING WT 142K: PU WT 165K					
Remarks								
TOH W/ CASING & PACKER ASSY TO 5411':								
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 2,391	Max Dev 93.6deg at 3,593		Max Dogleg 13.5 deg at 3,340					
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	1,000.00	850		-1,547.02	
INTERMEDIATE 1	8.63	32	J55	2,952.00	950		317.74	
PACKER ASSEMBLY 1 CONDUCTOR	5.50	17	L-80, L80 EXR, L-80 EXR	7,562.00			415.76	
Fluids								
Type Brine	Weight 10.00	% Solids 0.00	NTU	Company Name NEWPARK				



APACHE CORPORATION

Page 3 of 4

Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 6H							DATE 04-08-2012
Operator APACHE CORPORATION	API 4210335972	GL 2,536.00	TMD 7,603.00	TVD 2,961.54	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	

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	30,000	0	0	0	30,000	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,613	0	3,613	16,387	
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	22,425	13,800	36,225	91,775	CAPSTAR RIG #119
70021	CONTRACT SUPERVISION		5,100	1,700	6,800		JAMES W. GARDNER
70022	DIRECTIONAL DRILLING		0	0	0		2 DD'S / 2 MWD'S
70025	DRILLING FLUIDS		13,025	0	13,025		DAILY MUD USAGE
70031	EQUIPMENT RENTAL			25			PASON LIVE RIG VIEW
70031	EQUIPMENT RENTAL			365			PASON
70031	EQUIPMENT RENTAL			0			H2S EQUIPMENT
70031	EQUIPMENT RENTAL			365			PASON
70031	EQUIPMENT RENTAL			25			TRASH TRAILER
70031	EQUIPMENT RENTAL			25			PIPE RACKS
70031	EQUIPMENT RENTAL			165			OFFICE / TRAILER RENTAL
70031	EQUIPMENT RENTAL			165			WATER/SEPTIC F/ LIVING QUARTERS
70031	EQUIPMENT RENTAL			585			HWDP RENTAL
70031	EQUIPMENT RENTAL			105			ERF WIRELESS
70031	EQUIPMENT RENTAL			150			FORKLIFT
70031	EQUIPMENT RENTAL			300			PREMIX PIT
70031	EQUIPMENT RENTAL			185			DIR. DRILLER TRAILER / WATER / SEP
70031	EQUIPMENT RENTAL			50			INTERCOM SYSTEM
70031	EQUIPMENT RENTAL			150			GENERATOR FOR HOUSING
70031	EQUIPMENT RENTAL	130,000	6,225	2,660	8,885	121,115	
70034	FORMATION STIMULATION	1,500,000	0	0	0	1,500,000	
70037	FUEL AND POWER		4,248	1,947	6,195		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	
70077	WATER		2,550	2,550	5,100		BRINE TO PIT
Total Intangible Cost		2,263,500	57,186	22,657	79,843	2,183,658	
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	350,000	0	0	0	350,000	
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	134,000	0	0	0	134,000	
71053	TUBING	22,860	0	0	0	22,860	



APACHE CORPORATION

Page 1 of 4

Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 6H							DATE 04-09-2012	
Operator APACHE CORPORATION		API 4210335972	GL 2,536.00	TMD 7,603.00	TVD 2,961.54	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		RIG PHONE NO 281-532-5388		RIG Fax No Superintendent LARRY VAN GILDER
AFE #: PA-12-0031-C		AFE Description:						
AFE Costs 3,080,360		Previous Day Cum 79,843		Daily Costs 19,577		Cumulative Cost 99,420		AFE Remaining 2,980,941
AFE % 3.23								
Current Status		REPLACE 8 BAD JTS CSG ON RACKS & ADJUST PACKER PLACEMENT F/ APPROVAL: 2 JTS FAILED GAUGE: 5 JTS WASHED PINS: 1 JT CRACKED IN CSG BODY:						
Comment Summary		TOH W/ DP & COLLARS TO 5.5" CSG TO 4767": RIG SERVICE: RD FLOOR & RU LEWIS CSG CREW: PULL 5.5" CSG / LD PACKER ASSY: (CLEANED OUT PLASTIC COATING FROM TOE SUB)						
24 HR Forecast		LAY OUT NEW PACKER ASSY: RUN 5.5: CSG & PACKER ASSY:						
24 HR Operational Comments								
From	To	Duration	Operation Description					
12:00AM	09:00AM	9.00	TOH W/ DP & COLLARS TO 5.5" CSG TO 4767":					
09:00AM	09:30AM	0.50	RIG SERVICE					
09:30AM	10:30AM	1.00	RD FLOOR & RU LEWIS CSG CREW TO PULL 5.5" CSG / PACKER ASSY:					
10:30AM	12:00AM	13.50	PULL 5.5" CSG / LD PACKER ASSY:					
Remarks								
INSPECT CSG & OFF LOAD NEW PACKER ASSY. (TOTAL 8 JTS BAD): 2 FAILED GAUGE: 5 WASHED PINS: 1 CRACKED IN CSG BODY: REMOVE & REPLACE BAD JTS F/ RACK: ADJUST PACKER PLACEMENT & TALLY:								
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 2,391	Max Dev 93.6deg at 3,593		Max Dogleg 13.5 deg at 3,340					
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	1,000.00	850		-1,547.02	
INTERMEDIATE 1	8.63	32	J55	2,952.00	950		317.74	
PACKER ASSEMBLY 1	5.50	17	L-80, L80 EXR, L-80 EXR	7,562.00			415.76	
CONDUCTOR								
Fluids								
Type Brine	Weight 10.00	% Solids 0.00	NTU	Company Name NEWPARK				
Personnel								
Company Name	No of People	Hours Today	Cum / Event					
CAPSTAR DRILLING Inc.	9	72.0	360.0					
LEWIS CASING CREWS	4	54.0	114.0					
PACKER PLUS	2	24.0	84.0					
CAPSTAR DRILLING Inc.	1	24.0	120.0					
TOTAL ENERGY SERVICES	10	24.0	120.0					
Total:	26	198.0	798.0					



APACHE CORPORATION

Page 3 of 4

Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 6H							DATE 04-09-2012
Operator APACHE CORPORATION	API 4210335972	GL 2,536.00	TMD 7,603.00	TVD 2,961.54	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	

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	30,000	0	0	0	30,000	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,613	0	3,613	16,387	
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	36,225	13,800	50,025	77,975	CAPSTAR RIG #119
70021	CONTRACT SUPERVISION		6,800	1,700	8,500		JAMES W. GARDNER
70022	DIRECTIONAL DRILLING		0	0	0		2 DD'S / 2 MWD'S
70025	DRILLING FLUIDS			0			DAILY MUD USE
70025	DRILLING FLUIDS			0			DAILY MUD USAGE
70025	DRILLING FLUIDS		13,025	0	13,025		
70031	EQUIPMENT RENTAL			165			OFFICE / TRAILER RENTAL
70031	EQUIPMENT RENTAL			165			WATER/SEPTIC F/ LIVING QUARTERS
70031	EQUIPMENT RENTAL			0			H2S EQUIPMENT
70031	EQUIPMENT RENTAL			25			TRASH TRAILER
70031	EQUIPMENT RENTAL			25			PASON LIVE RIG VIEW
70031	EQUIPMENT RENTAL			150			GENERATOR FOR HOUSING
70031	EQUIPMENT RENTAL			185			DIR. DRILLER TRAILER / WATER / SEP
70031	EQUIPMENT RENTAL			105			ERF WIRELESS
70031	EQUIPMENT RENTAL			300			PREMIX PIT
70031	EQUIPMENT RENTAL			50			INTERCOM SYSTEM
70031	EQUIPMENT RENTAL			365			PASON
70031	EQUIPMENT RENTAL			25			PIPE RACKS
70031	EQUIPMENT RENTAL			365			PASON
70031	EQUIPMENT RENTAL			585			HWDP RENTAL
70031	EQUIPMENT RENTAL			150			FORKLIFT
70031	EQUIPMENT RENTAL	130,000	8,885	2,660	11,545	118,455	
70034	FORMATION STIMULATION	1,500,000	0	0	0	1,500,000	
70037	FUEL AND POWER		6,195	1,417	7,612		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	
70077	WATER		5,100	0	5,100		
Total Intangible Cost		2,263,500	79,843	19,577	99,420	2,164,081	
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	350,000	0	0	0	350,000	
71033	OTHER SURFACE EQUIPMENT	30,000	0	0	0	30,000	
71036	PIPE, VALVES, FITTINGS	100,000	0	0	0	100,000	



APACHE CORPORATION

Page 1 of 4

Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 6H							DATE 04-10-2012	
Operator APACHE CORPORATION		API 4210335972	GL 2,536.00	TMD 7,603.00	TVD 2,961.54	RKB/RT 2,547.00	Working Int % 100.00	Report No 6
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-12-0031-C		AFE Description:						
AFE Costs 3,080,360		Previous Day Cum 99,420	Daily Costs 41,498	Cumulative Cost 140,918	AFE Remaining 2,939,442	AFE % 4.57		
Current Status		TOH W/ NO-GO REAMER F/ PRODUCTION PACKER ASSY:						
Comment Summary		INSPECT CSG: (8) BAD JTS: MOVE PIPE & SLM DP: MU BIT # RR #8: NO-GO REAMER & TIH TO 7097':						
24 HR Forecast		TIH TO 7606': CIRC SWEEP: TOH F/ PRODUCTION PACKER ASSY: RU & RUN PACKER ASSY:						
24 HR Operational Comments								
From	To	Duration	Operation Description					
12:00AM	04:00AM	4.00	INSPECT 100 JTS. 5.5" CSG (8 BAD)					
04:00AM	02:00PM	10.00	MOVE BAD JTS & REPLACE W/ NEW: MOVE CSG OFF RACK AND LOAD W/ DP F/ WIPER TRIP: RU FLOOR & IRON ROUGHNECK: ADJUST PACKER PLACEMENT TALLY:					
02:00PM	02:30PM	0.50	SLM DRILL STRING					
02:30PM	07:00PM	4.50	MU RR BIT #8: NO-GO REAMER & TIH:					
07:00PM	08:00PM	1.00	MOVE PIPE TO RACK & SLM:					
08:00PM	12:00AM	4.00	TIH W/ NO GO REAMER TO 7097':					
Remarks								
TIH W/ NO-GO F/ 7097' TO 7603': CIRC & PUMP 100 BBL HI VISC SWEEP: TOH W/ NO-GO F/ PRODUCTION PACKER ASSY:								
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 2,391	Max Dev 93.6deg at 3,593		Max Dogleg 13.5 deg at 3,340					
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	1,000.00	850		-1,547.02	
INTERMEDIATE 1	8.63	32	J55	2,952.00	950		317.74	
PACKER ASSEMBLY 1 CONDUCTOR	5.50	17	L-80, L80 EXR, L-80 EXR	7,562.00			415.76	
Fluids								
Type Brine	Weight 10.00	% Solids 0.00	NTU	Company Name NEWPARK				
Personnel								
Company Name	No of People	Hours Today	Cum / Event					
LEWIS CASING CREWS	4	54.0	168.0					
PACKER PLUS	2	24.0	108.0					
TOTAL ENERGY SERVICES	10	24.0	144.0					
CAPSTAR DRILLING Inc.	9	72.0	432.0					
CAPSTAR DRILLING Inc.	1	24.0	144.0					
Total:	26	198.0	996.0					



APACHE CORPORATION

Page 3 of 4

Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 6H							DATE 04-10-2012	
Operator APACHE CORPORATION		API 4210335972	GL 2,536.00	TMD 7,603.00	TVD 2,961.54	RKB/RT 2,547.00	Working Int % 100.00	Report No 6
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	
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	30,000	0	18,599	18,599	11,401	RUN & PULL 5.5" CASING / PACKER AS	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,613	0	3,613	16,387		
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	50,025	13,800	63,825	64,175	CAPSTAR RIG #119	
70021	CONTRACT SUPERVISION		8,500	1,700	10,200		JAMES W. GARDNER	
70022	DIRECTIONAL DRILLING		0	0	0		2 DD'S / 2 MWD'S	
70025	DRILLING FLUIDS			0			DAILY MUD USAGE	
70025	DRILLING FLUIDS		13,025	0	13,025			
70031	EQUIPMENT RENTAL			165			OFFICE / TRAILER RENTAL	
70031	EQUIPMENT RENTAL			25			TRASH TRAILER	
70031	EQUIPMENT RENTAL			50			INTERCOM SYSTEM	
70031	EQUIPMENT RENTAL			300			PREMIX PIT	
70031	EQUIPMENT RENTAL			365			PASON	
70031	EQUIPMENT RENTAL			165			WATER/SEPTIC F/ LIVING QUARTERS	
70031	EQUIPMENT RENTAL			150			GENERATOR FOR HOUSING	
70031	EQUIPMENT RENTAL			585			HWDP RENTAL	
70031	EQUIPMENT RENTAL			25			PASON LIVE RIG VIEW	
70031	EQUIPMENT RENTAL			365			PASON	
70031	EQUIPMENT RENTAL			150			FORKLIFT	
70031	EQUIPMENT RENTAL			65			H2S EQUIPMENT	
70031	EQUIPMENT RENTAL			105			ERF WIRELESS	
70031	EQUIPMENT RENTAL			25			PIPE RACKS	
70031	EQUIPMENT RENTAL			185			DIR. DRILLER TRAILER / WATER / SEP	
70031	EQUIPMENT RENTAL	130,000	11,545	2,725	14,270	115,730		
70034	FORMATION STIMULATION	1,500,000	0	0	0	1,500,000		
70037	FUEL AND POWER		7,612	1,576	9,188		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			800			BACK HAUL 8 JTS 5.5" CSG TO PRADC	
70074	TRUCKING AND HAULING			750			PACKER DELIVERY	
70074	TRUCKING AND HAULING	90,000	0	1,550	1,550	88,450		
70076	TUBULAR INSPECTION/TESTING	3,500	0	1,548	1,548	1,952	INSPETC 100 JTS 5.5" CSG	
70077	WATER		5,100	0	5,100			
Total Intangible Cost		2,263,500	99,420	41,498	140,918	2,122,582		
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	350,000	0	0	0	350,000		



APACHE CORPORATION

Page 1 of 4

Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 6H							DATE 04-11-2012	
Operator APACHE CORPORATION		API 4210335972	GL 2,536.00	TMD 7,603.00	TVD 2,961.54	RKB/RT 2,547.00	Working Int % 100.00	Report No 7
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-12-0031-C		AFE Description:						
AFE Costs 3,080,360		Previous Day Cum 140,918	Daily Costs 19,486	Cumulative Cost 160,404	AFE Remaining 2,919,956	AFE % 5.21		
Current Status Comment Summary 24 HR Forecast		FILLING PIPE & CIRC BOTTOMS UP @ 7563' TIH W/ NO-GO TO 7603': CIRC SWEEP: TOH F/ CSG: RIG SERV: TOH: RU LEWIS CSG CREW: LAY OUT PACKER ASSY: RUN 5.5" CSG & PACKER ASSY TO 2243': RD CSG CREW: RU FLOOR RUN CSG/PACKER ASSY ON DRILL STRING TO 7562': FILL PIPE & CIRC: DISP W/ 2% KCL: SET & TEST PACKER ASSY: BACK OFF PBR: TOH F/ CASING & LATCH TOOL:						
24 HR Operational Comments								
From	To	Duration	Operation Description					
12:00AM	01:00AM	1.00	STRAP & TIH F/ 7097' TO 7603':					
01:00AM	04:30AM	3.50	CIRC 100 BBL SWEEP: (HOLE CLEAN)					
04:30AM	08:00AM	3.50	TOH F/ PRODUCTION PACKER ASSY:					
08:00AM	08:30AM	0.50	RIG SERVICE					
08:30AM	01:00PM	4.50	TOH F/ PRODUCTION CSG/PACKER ASSY:					
01:00PM	02:00PM	1.00	RU LEWIS CASING CREW					
02:00PM	03:30PM	1.50	MOVE CSG TO RACKS & LAY OUT PACKER ASSY:					
03:30PM	12:00AM	8.50	RUN 5.5" CSG & PACKER ASSY: PBR @ 2243'					
Remarks								
RD CSG CREW: RU FLOOR & SLM BHA: RUN CSG & PACKER ASSY W/ DRILL STRING:								
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 2,391	Max Dev 93.6deg at 3,593		Max Dogleg 13.5 deg at 3,340					
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	1,000.00	850		-1,547.02	
INTERMEDIATE 1	8.63	32	J55	2,952.00	950		317.74	
PACKER ASSEMBLY 1 CONDUCTOR	5.50	17	L-80, L80 EXR, L-80 EXR	7,562.00			415.76	
Fluids								
Type Brine	Weight 10.00	% Solids 0.00	NTU	Company Name NEWPARK				



APACHE CORPORATION

Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 6H							DATE 04-11-2012
Operator APACHE CORPORATION	API 4210335972	GL 2,536.00	TMD 7,603.00	TVD 2,961.54	RKB/RT 2,547.00	Working Int % 100.00	Report No 7
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	

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	30,000	18,599	0	18,599	11,401	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,613	0	3,613	16,387	
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	63,825	13,800	77,625	50,375	CAPSTAR RIG #119
70021	CONTRACT SUPERVISION		10,200	1,700	11,900		JAMES W. GARDNER
70022	DIRECTIONAL DRILLING		0	0	0		2 DD'S / 2 MWD'S
70025	DRILLING FLUIDS		13,025	0	13,025		DAILY MUD USAGE
70031	EQUIPMENT RENTAL			25			PASON LIVE RIG VIEW
70031	EQUIPMENT RENTAL			585			HWDP RENTAL
70031	EQUIPMENT RENTAL			50			INTERCOM SYSTEM
70031	EQUIPMENT RENTAL			165			OFFICE / TRAILER RENTAL
70031	EQUIPMENT RENTAL			150			GENERATOR FOR HOUSING
70031	EQUIPMENT RENTAL			105			ERF WIRELESS
70031	EQUIPMENT RENTAL			25			PIPE RACKS
70031	EQUIPMENT RENTAL			165			WATER/SEPTIC F/ LIVING QUARTERS
70031	EQUIPMENT RENTAL			25			TRASH TRAILER
70031	EQUIPMENT RENTAL			185			DIR. DRILLER TRAILER / WATER / SEP
70031	EQUIPMENT RENTAL			300			PREMIX PIT
70031	EQUIPMENT RENTAL			150			FORKLIFT
70031	EQUIPMENT RENTAL			365			PASON
70031	EQUIPMENT RENTAL			365			PASON
70031	EQUIPMENT RENTAL			65			H2S EQUIPMENT
70031	EQUIPMENT RENTAL	130,000	14,270	2,725	16,995	113,005	
70034	FORMATION STIMULATION	1,500,000	0	0	0	1,500,000	
70037	FUEL AND POWER		9,188	1,261	10,449		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	1,550	0	1,550	88,450	
70076	TUBULAR INSPECTION/TESTING	3,500	1,548	0	1,548	1,952	
70077	WATER		5,100	0	5,100		
Total Intangible Cost		2,263,500	140,918	19,486	160,404	2,103,096	
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	350,000	0	0	0	350,000	
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	134,000	0	0	0	134,000	
71053	TUBING	22,860	0	0	0	22,860	



APACHE CORPORATION

Page 1 of 4

Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 6H							DATE 04-12-2012	
Operator APACHE CORPORATION		API 4210335972	GL 2,536.00	TMD 7,603.00	TVD 2,961.54	RKB/RT 2,547.00	Working Int % 100.00	Report No 8
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-12-0031-C		AFE Description:						
AFE Costs 3,080,360		Previous Day Cum 160,404	Daily Costs 150,380	Cumulative Cost 310,783	AFE Remaining 2,769,577	AFE % 10.09		
Current Status Comment Summary 24 HR Forecast		CLEANING PITS RUN CSG TO 7563': SET ANCHOR PKR W/ 1830#: PKR ASSY W/ 2250#: BACK OFF PBR @ 2243': TOH F/ CSG: RU & RUN CSG TO 2243': LATCH INTO PBR: PULL TEST 25K OVER (75k) PRESS TEST 1500#: ND F/L, CHOKE MAN. & BOP: NU TBG HEAD: CLEAN PITS: RELEASE RIG						
24 HR Operational Comments								
From	To	Duration	Operation Description					
12:00AM	02:00AM	2.00	RD CSG CREW: RU FLOOR & SLM DP:					
02:00AM	05:30AM	3.50	TIH W/ CSG / PACKER ASSY. TO 7562': PBR @ 2243'					
05:30AM	07:00AM	1.50	FILL PIPE & CIRC.					
07:00AM	08:30AM	1.50	CIRC 150 BBLS 2% KCL: DROP SEATING BALLS: LAND W/ 800#					
08:30AM	09:30AM	1.00	PRESSURE TO 1800# & SET ANCHOR PACKER: PRESSURE TO 2250# & SET PACKER ASSY:					
09:30AM	10:30AM	1.00	PRESSURE TEST CSG TO 2500#: TEST ANNULUS TO 600#: TEST GOOD					
10:30AM	01:30PM	3.00	BACK OFF PBR ASSY @ 2243': TOH F/ CSG:					
01:30PM	04:30PM	3.00	RIG SERVICE					
04:30PM	05:30PM	1.00	RD FLOOR & RU LEWIS CSG CREW:					
05:30PM	09:00PM	3.50	HSM: RUN 5.5" CSG TO 2243':					
09:00PM	10:00PM	1.00	STING INTO PBR SEAL ASSY: PULL TEST 25K:					
10:00PM	11:00PM	1.00	TEST LATCH & SEAL ASSY TO 1500#					
11:00PM	12:00AM	1.00	ND FLOWLINE: CHOKE MAN: & BOP:					
Remarks								
ND FLOWLINE: CHOKE MAN: & BOP: PU BOP: SET SLIPS W/ 75K: CUT OFF CSG: SET BOP BACK: MAKE FINAL CUT AND NU TBG HEAD ASSY & TEST:								
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 2,391	Max Dev 93.6deg at 3,593		Max Dogleg 13.5 deg at 3,340					
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	1,000.00	850		-1,547.02	
INTERMEDIATE 1	8.63	32	J55	2,952.00	950		317.74	
PACKER ASSEMBLY 1	5.50	17	L-80, L80 EXR, L-80 EXR	7,562.00			415.76	
CONDUCTOR								
Fluids								
Type	Weight	% Solids	NTU	Company Name				
Brine	10.00	0.00		NEWPARK				



APACHE CORPORATION

Page 3 of 4

Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 6H							DATE 04-12-2012
Operator APACHE CORPORATION	API 4210335972	GL 2,536.00	TMD 7,603.00	TVD 2,961.54	RKB/RT 2,547.00	Working Int % 100.00	Report No 8
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	

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	30,000	18,599	0	18,599	11,401	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,613	0	3,613	16,387	
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	77,625	13,800	91,425	36,575	CAPSTAR RIG #119
70021	CONTRACT SUPERVISION		11,900	1,700	13,600		JAMES W. GARDNER
70022	DIRECTIONAL DRILLING		0	0	0		2 DD'S / 2 MWD'S
70025	DRILLING FLUIDS		13,025	0	13,025		DAILY MUD USAGE
70031	EQUIPMENT RENTAL			50			INTERCOM SYSTEM
70031	EQUIPMENT RENTAL			150			GENERATOR FOR HOUSING
70031	EQUIPMENT RENTAL			300			PREMIX PIT
70031	EQUIPMENT RENTAL			165			OFFICE / TRAILER RENTAL
70031	EQUIPMENT RENTAL			150			FORKLIFT
70031	EQUIPMENT RENTAL			105			ERF WIRELESS
70031	EQUIPMENT RENTAL			165			WATER/SEPTIC F/ LIVING QUARTERS
70031	EQUIPMENT RENTAL			25			PIPE RACKS
70031	EQUIPMENT RENTAL			365			PASON
70031	EQUIPMENT RENTAL			25			PASON LIVE RIG VIEW
70031	EQUIPMENT RENTAL			185			DIR. DRILLER TRAILER / WATER / SEP
70031	EQUIPMENT RENTAL			25			TRASH TRAILER
70031	EQUIPMENT RENTAL			585			HWDP RENTAL
70031	EQUIPMENT RENTAL			365			PASON
70031	EQUIPMENT RENTAL			65			H2S EQUIPMENT
70031	EQUIPMENT RENTAL	130,000	16,995	2,725	19,720	110,280	
70034	FORMATION STIMULATION	1,500,000	0	0	0	1,500,000	
70037	FUEL AND POWER		10,449	1,261	11,710		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	1,550	0	1,550	88,450	
70076	TUBULAR INSPECTION/TESTING	3,500	1,548	0	1,548	1,952	
70077	WATER		5,100	0	5,100		
Total Intangible Cost		2,263,500	160,404	19,486	179,890	2,083,610	
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	350,000	0	0	0	350,000	
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	134,000	0	122,051	122,051	11,949	5.5" PROD>
71053	TUBING	22,860	0	0	0	22,860	



APACHE CORPORATION

Page 1 of 4

Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 6H							DATE 04-13-2012	
Operator APACHE CORPORATION		API 4210335972	GL 2,536.00	TMD 7,603.00	TVD 2,961.54	RKB/RT 2,547.00	Working Int % 100.00	Report No 9
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-12-0031-C		AFE Description:						
AFE Costs 3,080,360		Previous Day Cum 310,783	Daily Costs 371,940	Cumulative Cost 682,723	AFE Remaining 2,397,637		AFE % 22.16	
Current Status		WAIT IN TRUCKS TO MOVE RIG TO JB TUBBS C #39: RIG RELEASED @ 12:00 ON 04/1302012:						
Comment Summary		ND FLOWLINE: CHOKE MAN: & PU BOP: SET CSG SLIPS W/ 75K: CUT OFF CSG: SET BOP BACK: NU TBG HEAD & TEST TO 4000#: CLEAN & JET PITS: RIG RELEASED @ 12:00 ON 04/1302012: WAITING ON TRUCKS TO MOVE RIG TO JB TUBBS C #39:						
24 HR Forecast		MIRU ON JB TUBBS C #39						
24 HR Operational Comments								
From	To	Duration	Operation Description					
12:00AM	01:00AM	1.00	ND FLOWLINE: CHOKE MAN: & PU BOP:					
01:00AM	06:00AM	5.00	SET CSG SLIPS W/ 75K: CUT OFF CSG: SET BOP BACK: NU TBG HEAD & TEST TO 4000#:					
06:00AM	12:00PM	6.00	CLEAN & JET PITS: RIG RELEASED @ 12:00 ON 04/1302012					
12:00PM	12:00AM	12.00	WAITING ON TRUCKS TO MOVE RIG TO JB TUBBS C #39					
Remarks								
RIG RELEASED @ 12:00 ON 04/1302012: WAIT ON TRUCKS TO MOVE RIG TO JB TUBBS C #39								
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 2,391	Max Dev 93.6deg at 3,593		Max Dogleg 13.5 deg at 3,340					
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	1,000.00	850		-1,547.02	
INTERMEDIATE 1	8.63	32	J55	2,952.00	950		317.74	
PACKER ASSEMBLY 1	5.50	17	L-80, L80 EXR, L-80 EXR	7,562.00			415.76	
CONDUCTOR								
Fluids								
Type	Weight	% Solids	NTU	Company Name				
Personnel								
Company Name	No of People	Hours Today	Cum / Event					
CAPSTAR DRILLING Inc.	1	24.0	216.0					
CAPSTAR DRILLING Inc.	9	72.0	648.0					
TOTAL ENERGY SERVICES	1	24.0	216.0					
Total:	11	120.0	1,080.0					



APACHE CORPORATION

Page 3 of 4

Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 6H							DATE 04-13-2012	
Operator APACHE CORPORATION		API 4210335972	GL 2,536.00	TMD 7,603.00	TVD 2,961.54	RKB/RT 2,547.00	Working Int % 100.00	Report No 9
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	
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	30,000		18,599	0	18,599	11,401	
70006	CEMENT AND CEMENTING SERVICES	20,000		3,613	0	3,613	16,387	
70011	COMPANY SUPERVISION	17,000		0	0	0	17,000	
70017	CONTRACT LABOR	65,000		0	1,107	1,107	63,893	WEATHERFORD SERVICE TECH
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000		91,425	13,800	105,225	22,775	CAPSTAR RIG #119
70021	CONTRACT SUPERVISION			13,600	1,700	15,300		JAMES W. GARDNER
70022	DIRECTIONAL DRILLING			0	0	0		2 DD'S / 2 MWD'S
70025	DRILLING FLUIDS			13,025	0	13,025		DAILY MUD USAGE
70031	EQUIPMENT RENTAL				150			FORKLIFT
70031	EQUIPMENT RENTAL				105			ERF WIRELESS
70031	EQUIPMENT RENTAL				25			TRASH TRAILER
70031	EQUIPMENT RENTAL				365			PASON
70031	EQUIPMENT RENTAL				300			PREMIX PIT
70031	EQUIPMENT RENTAL				165			WATER/SEPTIC F/ LIVING QUARTERS
70031	EQUIPMENT RENTAL				150			GENERATOR FOR HOUSING
70031	EQUIPMENT RENTAL				65			H2S EQUIPMENT
70031	EQUIPMENT RENTAL				25			PASON LIVE RIG VIEW
70031	EQUIPMENT RENTAL				50			INTERCOM SYSTEM
70031	EQUIPMENT RENTAL				585			HWDP RENTAL
70031	EQUIPMENT RENTAL				25			PIPE RACKS
70031	EQUIPMENT RENTAL				365			PASON
70031	EQUIPMENT RENTAL				185			DIR. DRILLER TRAILER / WATER / SEP
70031	EQUIPMENT RENTAL				165			OFFICE / TRAILER RENTAL
70031	EQUIPMENT RENTAL	130,000		19,720	2,725	22,445	107,555	
70034	FORMATION STIMULATION	1,500,000		0	0	0	1,500,000	
70037	FUEL AND POWER			11,710	1,245	12,955		RIG FUEL
70049	LOGGING AND WIRELINE	65,000		0	0	0	65,000	
70054	OTHER INTANGIBLE				340,532			PACKER ASSY:
70069	SNUBBING/COIL TUBING UNIT	150,000		0	0	0	150,000	
70074	TRUCKING AND HAULING				550			HAUL DP BACK TO SMITH
70074	TRUCKING AND HAULING				650			BACK HAUL TOOLS
70074	TRUCKING AND HAULING	90,000		1,550	1,200	2,750	87,250	
70076	TUBULAR INSPECTION/TESTING	3,500		1,548	966	2,514	986	DC INSPECTION
70077	WATER			5,100	929	6,029		WATER F/ TRAILERS
Total Intangible Cost		2,263,500		179,890	364,204	544,093	1,719,407	
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	350,000		0	0	0	350,000	
71033	OTHER SURFACE EQUIPMENT	30,000		0	0	0	30,000	



APACHE CORPORATION

Page 1 of 2

Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 6H							DATE 06-11-2012		
Operator APACHE CORPORATION		API 4210335972	GL 2,536.00	TMD 7,603.00	TVD	RKB/RT 2,547.00	Working Int % 100.00	Report No 10	
Region PERMIAN		District NOTREES - TX CZ		License		Well Supervisor GREG RAILEY		Engineer / Geologist	
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		
AFE #: PA-12-0031-C		AFE Description:							
AFE Costs 3,080,360		Previous Day Cum 682,723		Daily Costs 1,200		Cumulative Cost 683,923		AFE Remaining 2,396,437	AFE % 22.20
Comment Summary 24 HR Forecast		ACIDIZE/FAC STAGES 1-4 CONT FRACING							
Remarks									
ACIDIZE/FAC STAGES 1-4, SD 2 HRS WAITING ON FUEL TRK & 2 ADDT'L HRS WORKING ON GEL PM.									
Directional Information									
Initial Deviation 2,391		Max Dev 93.6deg at 3,593			Max Dogleg 13.5 deg at 3,340				
Casing / Tubing Information									
Description	Size	Weight	Grade		Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40		1,000.00	850		-1,547.02	
INTERMEDIATE 1	8.63	32	J55		2,952.00	950		317.74	
PRODUCTION 1	5.50	17	L-80, L80 EXR, L-80 EXR		7,562.00			415.76	
CONDUCTOR									
Personnel									
Company Name	No of People	Hours Today		Cum / Event					
CAPSTAR DRILLING Inc.	1	24.0		672.0					
CAPSTAR DRILLING Inc.	9	72.0		720.0					
TOTAL ENERGY SERVICES	1	24.0		240.0					
Total:	11	120.0		1,632.0					
Safety Drills									
Rams	Annulars		Casing		Last BOP Test		Next BOP Test		
BULKS									
Product				QTY					
DIESEL, RIG FUEL				0.0 4,738.0					



APACHE CORPORATION

Page 2 of 2

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	30,000	18,599	0	18,599	11,401	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,613	0	3,613	16,387	
70011	COMPANY SUPERVISION	17,000	0	0	0	17,000	
70017	CONTRACT LABOR	65,000	1,107	0	1,107	63,893	
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	105,225	0	105,225	22,775	
70021	CONTRACT SUPERVISION		15,300	1,200	16,500		RAILEY
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		13,025	0	13,025		
70031	EQUIPMENT RENTAL	130,000	22,445	0	22,445	107,555	
70034	FORMATION STIMULATION	1,500,000	0	0	0	1,500,000	
70037	FUEL AND POWER		12,955	0	12,955		
70049	LOGGING AND WIRELINE	65,000	0	0	0	65,000	
70054	OTHER INTANGIBLE		340,532	0	340,532		
70069	SNUBBING/COIL TUBING UNIT	150,000	0	0	0	150,000	
70074	TRUCKING AND HAULING	90,000	2,750	0	2,750	87,250	
70076	TUBULAR INSPECTION/TESTING	3,500	2,514	0	2,514	986	
70077	WATER		6,029	0	6,029		
Total Intangible Cost		2,263,500	544,093	1,200	545,293	1,718,207	
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	350,000	0	0	0	350,000	
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	134,000	122,051	0	122,051	11,949	
71053	TUBING	22,860	0	0	0	22,860	
71056	WELLHEAD ASSEMBLY	5,000	16,579	0	16,579	-11,579	
Total Tangible Cost		816,860	138,630		138,630	678,230	
Total:		3,080,360	682,723	1,200	683,923	2,396,437	



APACHE CORPORATION

Page 1 of 2

Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 6H							DATE 06-12-2012	
Operator APACHE CORPORATION		API 4210335972	GL 2,536.00	TMD 7,603.00	TVD	RKB/RT 2,547.00	Working Int % 100.00	Report No 11
Region PERMIAN	District NOTREES - TX CZ	License	Well Supervisor DANNY GALVAN / GREG RAILEY			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		

AFE #:	PA-12-0031-C	AFE Description:				
	AFE Costs 3,080,360	Previous Day Cum 683,923	Daily Costs 26,200	Cumulative Cost 710,123	AFE Remaining 2,370,237	AFE % 23.05

Comment Summary	ACIDIZE/Frac STAGES 5, 6, 7, 8, 10, 13, 14, 15, 16, ACIDIZE ONLY STAGES 9, 11 & 12, RD BAKER MIRU CT PU 4 1/2" MILL ON 2" CT RIH DRL OUT 5 STAGES.
24 HR Forecast	CONT DRL OUT 11 STAGES.

Remarks

ACIDIZE/Frac STAGES 5, 6, 7, 8, 10, 13, 14, 15, 16, ACIDIZE ONLY STAGES 9, 11 & 12, RD BAKER MIRU CT PU 4 1/2" MILL ON 2" CT RIH DRL OUT 5 STAGES.

Directional Information		
Initial Deviation 2,391	Max Dev 93.6deg at 3,593	Max Dogleg 13.5 deg at 3,340

Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	1,000.00	850		-1,547.02	
INTERMEDIATE 1	8.63	32	J55	2,952.00	950		317.74	
PRODUCTION 1	5.50	17	L-80, L80 EXR, L-80 EXR	7,562.00			415.76	
CONDUCTOR								

Personnel			
Company Name	No of People	Hours Today	Cum / Event
CAPSTAR DRILLING Inc.	1	24.0	768.0
TOTAL ENERGY SERVICES	1	24.0	264.0
Total:	2	48.0	1,032.0

Safety Drills				
Rams	Annulars	Casing	Last BOP Test	Next BOP Test

BULKS	
Product	QTY
DIESEL, RIG FUEL	0.0
	4,738.0



APACHE CORPORATION

Page 2 of 2

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	30,000	18,599	0	18,599	11,401	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,613	0	3,613	16,387	
70011	COMPANY SUPERVISION	17,000	0	0	0	17,000	
70017	CONTRACT LABOR	65,000	1,107	0	1,107	63,893	
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	105,225	0	105,225	22,775	
70021	CONTRACT SUPERVISION		16,500	1,200	17,700		RAILEY
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		13,025	0	13,025		
70031	EQUIPMENT RENTAL	130,000	22,445	0	22,445	107,555	
70034	FORMATION STIMULATION	1,500,000	0	0	0	1,500,000	
70037	FUEL AND POWER		12,955	0	12,955		
70049	LOGGING AND WIRELINE	65,000	0	0	0	65,000	
70054	OTHER INTANGIBLE		340,532	0	340,532		
70069	SNUBBING/COIL TUBING UNIT	150,000	0	25,000	25,000	125,000	WARRIOR
70074	TRUCKING AND HAULING	90,000	2,750	0	2,750	87,250	
70076	TUBULAR INSPECTION/TESTING	3,500	2,514	0	2,514	986	
70077	WATER		6,029	0	6,029		
Total Intangible Cost		2,263,500	545,293	26,200	571,493	1,692,007	
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	350,000	0	0	0	350,000	
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	134,000	122,051	0	122,051	11,949	
71053	TUBING	22,860	0	0	0	22,860	
71056	WELLHEAD ASSEMBLY	5,000	16,579	0	16,579	-11,579	
Total Tangible Cost		816,860	138,630		138,630	678,230	
Total:		3,080,360	683,923	26,200	710,123	2,370,237	



APACHE CORPORATION

Page 1 of 2

Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 6H							DATE 06-13-2012	
Operator APACHE CORPORATION		API 4210335972	GL 2,536.00	TMD 7,603.00	TVD	RKB/RT 2,547.00	Working Int % 100.00	Report No 12
Region PERMIAN	District NOTREES - TX CZ	License	Well Supervisor DANNY GALVAN / GREG RILEY			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	

AFE #:	PA-12-0031-C	AFE Description:				
AFE Costs	Previous Day Cum	Daily Costs	Cumulative Cost	AFE Remaining	AFE %	
3,080,360	1,850,923	120,854	1,971,777	1,108,583	64.01	

Comment Summary	COMPLETE DRILLING OUT SEATS CIRC CLN POH RD CTU, SI WELL.
24 HR Forecast	RUN AFL FRI.

Remarks
COMPLETE DRILLING OUT SEATS CIRC CLN POH RD CTU, SI WELL.

Directional Information			
Initial Deviation	Max Dev	Max Dogleg	
2,391	93.6deg at 3,593	13.5 deg at 3,340	

Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	1,000.00	850		-1,547.02	
INTERMEDIATE 1	8.63	32	J55	2,952.00	950		317.74	
PRODUCTION 1	5.50	17	L-80, L80 EXR, L-80 EXR	7,562.00			415.76	
CONDUCTOR								

Personnel			
Company Name	No of People	Hours Today	Cum / Event
TOTAL ENERGY SERVICES	1	24.0	288.0
CAPSTAR DRILLING Inc.	1	24.0	792.0
Total:	2	48.0	1,080.0

Safety Drills				
Rams	Annulars	Casing	Last BOP Test	Next BOP Test

BULKS	
Product	QTY
DIESEL, RIG FUEL	0.0
	4,738.0



APACHE CORPORATION

Page 2 of 2

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	30,000	18,599	0	18,599	11,401	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,613	0	3,613	16,387	
70011	COMPANY SUPERVISION	17,000	0	0	0	17,000	
70017	CONTRACT LABOR	65,000	16,266	30,054	46,320	18,680	BAKERMMMS
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	105,225	0	105,225	22,775	
70021	CONTRACT SUPERVISION		17,700	1,000	18,700		RILEY
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		13,025	0	13,025		
70031	EQUIPMENT RENTAL	130,000	22,445	0	22,445	107,555	
70034	FORMATION STIMULATION	1,500,000	1,125,641	89,800	1,215,441	284,559	WARRIOR
70037	FUEL AND POWER		12,955	0	12,955		
70049	LOGGING AND WIRELINE	65,000	0	0	0	65,000	
70054	OTHER INTANGIBLE		340,532	0	340,532		
70069	SNUBBING/COIL TUBING UNIT	150,000	25,000	0	25,000	125,000	
70074	TRUCKING AND HAULING	90,000	2,750	0	2,750	87,250	
70076	TUBULAR INSPECTION/TESTING	3,500	2,514	0	2,514	986	
70077	WATER		6,029	0	6,029		
Total Intangible Cost		2,263,500	1,712,293	120,854	1,833,147	430,353	
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	350,000	0	0	0	350,000	
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	134,000	122,051	0	122,051	11,949	
71053	TUBING	22,860	0	0	0	22,860	
71056	WELLHEAD ASSEMBLY	5,000	16,579	0	16,579	-11,579	
Total Tangible Cost		816,860	138,630		138,630	678,230	
Total:		3,080,360	1,850,923	120,854	1,971,777	1,108,583	



APACHE CORPORATION

Page 1 of 2

Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 6H							DATE 06-20-2012	
Operator APACHE CORPORATION		API 4210335972	GL 2,536.00	TMD 7,603.00	TVD	RKB/RT 2,547.00	Working Int % 100.00	Report No 14
Region PERMIAN	District NOTREES - TX CZ	License	Well Supervisor DANNY GALVAN / GREG RILEY			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		

AFE #:	PA-12-0031-C	AFE Description:	
AFE Costs	Previous Day Cum	Daily Costs	Cumulative Cost
3,080,360	1,971,777		
AFE Remaining	AFE %		

Comment Summary	0 BO X 444 BLW (18,696 BLWTR) X 1 MCF X 24 HRS X FCP-100#
24 HR Forecast	CONT FL & TESTING

Remarks

0 BO X 444 BLW (18,696 BLWTR) X 1 MCF X 24 HRS X FCP-100#

Directional Information			
Initial Deviation	Max Dev	Max Dogleg	
2,391	93.6deg at 3,593	13.5 deg at 3,340	

Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	1,000.00	850		-1,547.02	
INTERMEDIATE 1	8.63	32	J55	2,952.00	950		317.74	
PRODUCTION 1	5.50	17	L-80, L80 EXR, L-80 EXR	7,562.00			415.76	
CONDUCTOR								

Personnel			
Company Name	No of People	Hours Today	Cum / Event
CAPSTAR DRILLING Inc.	1	24.0	840.0
TOTAL ENERGY SERVICES	1	24.0	336.0
Total:	2	48.0	1,176.0

Safety Drills				
Rams	Annulars	Casing	Last BOP Test	Next BOP Test

BULKS	
Product	QTY
DIESEL, RIG FUEL	0.0
	4,738.0



APACHE CORPORATION

Page 2 of 2

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	30,000	18,599	0	18,599	11,401	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,613	0	3,613	16,387	
70011	COMPANY SUPERVISION	17,000	0	0	0	17,000	
70017	CONTRACT LABOR	65,000	46,320	0	46,320	18,680	
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	105,225	0	105,225	22,775	
70021	CONTRACT SUPERVISION		18,700	0	18,700		
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		13,025	0	13,025		
70031	EQUIPMENT RENTAL	130,000	22,445	0	22,445	107,555	
70034	FORMATION STIMULATION	1,500,000	1,215,441	0	1,215,441	284,559	
70037	FUEL AND POWER		12,955	0	12,955		
70049	LOGGING AND WIRELINE	65,000	0	0	0	65,000	
70054	OTHER INTANGIBLE		340,532	0	340,532		
70069	SNUBBING/COIL TUBING UNIT	150,000	25,000	0	25,000	125,000	
70074	TRUCKING AND HAULING	90,000	2,750	0	2,750	87,250	
70076	TUBULAR INSPECTION/TESTING	3,500	2,514	0	2,514	986	
70077	WATER		6,029	0	6,029		
Total Intangible Cost		2,263,500	1,833,147		1,833,147	430,353	
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	350,000	0	0	0	350,000	
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	134,000	122,051	0	122,051	11,949	
71053	TUBING	22,860	0	0	0	22,860	
71056	WELLHEAD ASSEMBLY	5,000	16,579	0	16,579	-11,579	
Total Tangible Cost		816,860	138,630		138,630	678,230	
Total:		3,080,360	1,971,777		1,971,777		



APACHE CORPORATION

Page 1 of 2

Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 6H							DATE 06-21-2012		
Operator APACHE CORPORATION		API 4210335972	GL 2,536.00	TMD 7,603.00	TVD	RKB/RT 2,547.00	Working Int % 100.00	Report No 15	
Region PERMIAN		District NOTREES - TX CZ		License		Well Supervisor DANNY GALVAN / GREG RILEY		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		

AFE #:	PA-12-0031-C		AFE Description:			
	AFE Costs	Previous Day Cum	Daily Costs	Cumulative Cost	AFE Remaining	AFE %
	3,080,360	1,971,777				

Comment Summary	0 BO X 365 BLW (18,331 BLWTR) X 1 MCF X FCP-100# X 24 HRS
24 HR Forecast	TEST WELL & MONITOR

Remarks
0 BO X 365 BLW (18,331 BLWTR) X 1 MCF X FCP-100# X 24 HRS

Directional Information			
Initial Deviation 2,391	Max Dev 93.6deg at 3,593	Max Dogleg 13.5 deg at 3,340	

Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	1,000.00	850		-1,547.02	
INTERMEDIATE 1	8.63	32	J55	2,952.00	950		317.74	
PRODUCTION 1	5.50	17	L-80, L80 EXR, L-80 EXR	7,562.00			415.76	
CONDUCTOR								

Personnel			
Company Name	No of People	Hours Today	Cum / Event
TOTAL ENERGY SERVICES	1	24.0	360.0
CAPSTAR DRILLING Inc.	1	24.0	864.0
Total:	2	48.0	1,224.0

Safety Drills				
Rams	Annulars	Casing	Last BOP Test	Next BOP Test

BULKS	
Product	QTY
DIESEL, RIG FUEL	0.0
	4,738.0



APACHE CORPORATION

Page 2 of 2

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	30,000	18,599	0	18,599	11,401	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,613	0	3,613	16,387	
70011	COMPANY SUPERVISION	17,000	0	0	0	17,000	
70017	CONTRACT LABOR	65,000	46,320	0	46,320	18,680	
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	105,225	0	105,225	22,775	
70021	CONTRACT SUPERVISION		18,700	0	18,700		
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		13,025	0	13,025		
70031	EQUIPMENT RENTAL	130,000	22,445	0	22,445	107,555	
70034	FORMATION STIMULATION	1,500,000	1,215,441	0	1,215,441	284,559	
70037	FUEL AND POWER		12,955	0	12,955		
70049	LOGGING AND WIRELINE	65,000	0	0	0	65,000	
70054	OTHER INTANGIBLE		340,532	0	340,532		
70069	SNUBBING/COIL TUBING UNIT	150,000	25,000	0	25,000	125,000	
70074	TRUCKING AND HAULING	90,000	2,750	0	2,750	87,250	
70076	TUBULAR INSPECTION/TESTING	3,500	2,514	0	2,514	986	
70077	WATER		6,029	0	6,029		
Total Intangible Cost		2,263,500	1,833,147		1,833,147	430,353	
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	350,000	0	0	0	350,000	
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	134,000	122,051	0	122,051	11,949	
71053	TUBING	22,860	0	0	0	22,860	
71056	WELLHEAD ASSEMBLY	5,000	16,579	0	16,579	-11,579	
Total Tangible Cost		816,860	138,630		138,630	678,230	
Total:		3,080,360	1,971,777		1,971,777		



APACHE CORPORATION

Page 1 of 2

Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 6H							DATE 07-17-2012	
Operator APACHE CORPORATION		API 4210335972	GL 2,536.00	TMD 7,603.00	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 281-532-5388		RIG Fax No		Tool Pusher LARRY VAN GILDER	

AFE #:	PA-12-0031-C	AFE Description:				
	AFE Costs	Previous Day Cum	Daily Costs	Cumulative Cost	AFE Remaining	AFE %
	3,080,360	1,971,777	51,252	2,023,029	1,057,331	65.68

Comment Summary	MISURU RU PMP TRK PMP 90 BBLs 10# BRINE TO KILL WELL ND FRAC VALVE NU BOP PU NEW ESP EQUIP RIH W/ 2-7/8" NYLON TBG RWTP
24 HR Forecast	TEST WELL & MONITOR FLAP, FLD

Remarks

FL CSG PSI 70# MISURU RU PMP TRK PMP 90 BBLs 10# BRINE TO KILL WELL ND FRAC VALVE NU BOP RU SPOOLER PU NEW ESP EQUIP 1- 80 HP MOTOR, 2- SEALS, 2- GAS SEP & 2- TD-1750 W/ 74 & 100 STAGE PMPs. RIH W/ 88 JTS 2-7/8" NYLON TBG, SET PMP INTAKE @ 2794' & EOM @ 2831'. USED 88 CANNON CLAMPS W/ 14 MONEL BANDS ON EQUIP, START UP AMPS 49 AMPS, SETTLING AMPS @ 40 AMPS, INSTANT PU TIME, 200' FLD FS. 350# TBG PSI, 0 CSG PSI. RWTP

Actual Perforations

Date	Zone	From	To	JSPF	Report Date
04/11/2012	GRAYBURG	6,589	6,589.00	0	04/11/2012
04/11/2012	GRAYBURG	6,847	6,847.00	0	04/11/2012
04/11/2012	GRAYBURG	7,157	7,157.00	0	04/11/2012
04/11/2012	GRAYBURG	7,455	7,455.00	0	04/11/2012
04/12/2012	GRAYBURG	4,876	4,876.00	0	04/12/2012
04/12/2012	GRAYBURG	4,901	4,901.00	0	04/12/2012
04/12/2012	GRAYBURG	5,176	5,176.00	0	04/12/2012
04/12/2012	GRAYBURG	5,468	5,468.00	0	04/12/2012
04/12/2012	GRAYBURG	5,747	5,747.00	0	04/12/2012
04/12/2012	GRAYBURG	6,023	6,023.00	0	04/12/2012
04/12/2012	GRAYBURG	6,314	6,314.00	0	04/12/2012
04/12/2012	GRAYBURG	4,391	4,391.00	0	04/12/2012
04/12/2012	GRAYBURG	4,047	4,047.00	0	04/12/2012
04/12/2012	GRAYBURG	3,768	3,768.00	0	04/12/2012
04/12/2012	GRAYBURG	3,238	3,238.00		04/12/2012
04/12/2012	GRAYBURG	3,479	3,479.00		04/12/2012

Directional Information

Initial Deviation	Max Dev	Max Dogleg
2,391	93.6deg at 3,593	13.5 deg at 3,340

Casing / Tubing Information

Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	1,000.00	850		-1,547.02	
INTERMEDIATE 1	8.63	32	J55	2,952.00	950		317.74	
PRODUCTION 1	5.50	17	L-80, L80 EXR, L-80 EXR	7,562.00			415.76	
CONDUCTOR								

Personnel

Company Name	No of People	Hours Today	Cum / Event
TOTAL ENERGY SERVICES	1	24.0	384.0
CAPSTAR DRILLING Inc.	1	24.0	936.0
Total:	2	48.0	1,320.0

Safety Drills

Rams	Annulars	Casing	Last BOP Test	Next BOP Test
------	----------	--------	---------------	---------------



APACHE CORPORATION

Page 2 of 2

Daily Land - Orig Comp Report

BULKS

Product		QTY					
		0.0					
DIESEL, RIG FUEL		4,738.0					
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	30,000	18,599	0	18,599	11,401	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,613	0	3,613	16,387	
70011	COMPANY SUPERVISION	17,000	0	500	500	16,500	GALVAN
70017	CONTRACT LABOR	65,000	46,320	5,450	51,770	13,230	GE TECH,SPOOLER,GANG,ELECTRIC
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	105,225	4,300	109,525	18,475	CC FORBES
70021	CONTRACT SUPERVISION		18,700	0	18,700		
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		13,025	0	13,025		
70031	EQUIPMENT RENTAL	130,000	22,445	950	23,395	106,605	CAGLE BOP
70034	FORMATION STIMULATION	1,500,000	1,215,441	0	1,215,441	284,559	
70037	FUEL AND POWER		12,955	0	12,955		
70049	LOGGING AND WIRELINE	65,000	0	0	0	65,000	
70054	OTHER INTANGIBLE		340,532	0	340,532		
70069	SNUBBING/COIL TUBING UNIT	150,000	25,000	0	25,000	125,000	
70074	TRUCKING AND HAULING	90,000	2,750	4,010	6,760	83,240	E&A VAC TRK,WTBD VAC TRK,BG TRK
70076	TUBULAR INSPECTION/TESTING	3,500	2,514	0	2,514	986	
70077	WATER		6,029	0	6,029		
Total Intangible Cost		2,263,500	1,833,147	15,210	1,848,357	415,143	
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	350,000	0	0	0	350,000	
71033	OTHER SURFACE EQUIPMENT	30,000	0	15,300	15,300	14,700	POWER TRANSFORMERS,ELCTRICAL
71036	PIPE, VALVES, FITTINGS	100,000	0	0	0	100,000	
71040	PRODUCTION CASING	134,000	122,051	0	122,051	11,949	
71053	TUBING	22,860	0	20,742	20,742	2,118	PERMIAN ENTERPRISES
71056	WELLHEAD ASSEMBLY	5,000	16,579	0	16,579	-11,579	
Total Tangible Cost		816,860	138,630	36,042	174,672	642,188	
Total:		3,080,360	1,971,777	51,252	2,023,029	1,057,331	



APACHE CORPORATION

Page 1 of 2

Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 6H							DATE 07-19-2012
Operator APACHE CORPORATION	API 4210335972	GL 2,536.00	TMD 7,603.00	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 281-532-5388		RIG Fax No		Tool Pusher LARRY VAN GILDER	

AFE #:	PA-12-0031-C	AFE Description:					
AFE Costs 3,080,360	Previous Day Cum 2,023,029	Daily Costs	Cumulative Cost	AFE Remaining	AFE %		

Comment Summary	17 BO X 1629 BLW (9723 BLWTR) X 350 MCF X 24 HRS X 57 HTZ X TP-200# X CP-160# X FLAP-1064'
24 HR Forecast	CONT WELL TEST & MONITOR FLAP

Remarks
17 BO X 1629 BLW (9723 BLWTR) X 350 MCF X 24 HRS X 57 HTZ X TP-200# X CP-160# X FLAP-1064'

Actual Perforations					
Date	Zone	From	To	JSPF	Report Date
04/11/2012	GRAYBURG	6,589	6,589.00	0	04/11/2012
04/11/2012	GRAYBURG	6,847	6,847.00	0	04/11/2012
04/11/2012	GRAYBURG	7,157	7,157.00	0	04/11/2012
04/11/2012	GRAYBURG	7,455	7,455.00	0	04/11/2012
04/12/2012	GRAYBURG	4,876	4,876.00	0	04/12/2012
04/12/2012	GRAYBURG	4,901	4,901.00	0	04/12/2012
04/12/2012	GRAYBURG	5,176	5,176.00	0	04/12/2012
04/12/2012	GRAYBURG	5,468	5,468.00	0	04/12/2012
04/12/2012	GRAYBURG	5,747	5,747.00	0	04/12/2012
04/12/2012	GRAYBURG	6,023	6,023.00	0	04/12/2012
04/12/2012	GRAYBURG	6,314	6,314.00	0	04/12/2012
04/12/2012	GRAYBURG	4,391	4,391.00	0	04/12/2012
04/12/2012	GRAYBURG	4,047	4,047.00	0	04/12/2012
04/12/2012	GRAYBURG	3,768	3,768.00	0	04/12/2012
04/12/2012	GRAYBURG	3,238	3,238.00		04/12/2012
04/12/2012	GRAYBURG	3,479	3,479.00		04/12/2012

Directional Information		
Initial Deviation 2,391	Max Dev 93.6deg at 3,593	Max Dogleg 13.5 deg at 3,340

Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	1,000.00	850		-1,547.02	
INTERMEDIATE 1	8.63	32	J55	2,952.00	950		317.74	
PRODUCTION 1	5.50	17	L-80, L80 EXR, L-80 EXR	7,562.00			415.76	
CONDUCTOR								

Personnel			
Company Name	No of People	Hours Today	Cum / Event
CAPSTAR DRILLING Inc.	1	24.0	984.0
TOTAL ENERGY SERVICES	1	24.0	432.0
Total:	2	48.0	1,416.0

Safety Drills				
Rams	Annulars	Casing	Last BOP Test	Next BOP Test

BULKS	
Product	QTY
DIESEL, RIG FUEL	0.0
	4,738.0



APACHE CORPORATION

Page 2 of 2

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	30,000	18,599	0	18,599	11,401	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,613	0	3,613	16,387	
70011	COMPANY SUPERVISION	17,000	500	0	500	16,500	
70017	CONTRACT LABOR	65,000	51,770	0	51,770	13,230	
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	109,525	0	109,525	18,475	
70021	CONTRACT SUPERVISION		18,700	0	18,700		
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		13,025	0	13,025		
70031	EQUIPMENT RENTAL	130,000	23,395	0	23,395	106,605	
70034	FORMATION STIMULATION	1,500,000	1,215,441	0	1,215,441	284,559	
70037	FUEL AND POWER		12,955	0	12,955		
70049	LOGGING AND WIRELINE	65,000	0	0	0	65,000	
70054	OTHER INTANGIBLE		340,532	0	340,532		
70069	SNUBBING/COIL TUBING UNIT	150,000	25,000	0	25,000	125,000	
70074	TRUCKING AND HAULING	90,000	6,760	0	6,760	83,240	
70076	TUBULAR INSPECTION/TESTING	3,500	2,514	0	2,514	986	
70077	WATER		6,029	0	6,029		
Total Intangible Cost		2,263,500	1,848,357		1,848,357	415,143	
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	350,000	0	0	0	350,000	
71033	OTHER SURFACE EQUIPMENT	30,000	15,300	0	15,300	14,700	
71036	PIPE, VALVES, FITTINGS	100,000	0	0	0	100,000	
71040	PRODUCTION CASING	134,000	122,051	0	122,051	11,949	
71053	TUBING	22,860	20,742	0	20,742	2,118	
71056	WELLHEAD ASSEMBLY	5,000	16,579	0	16,579	-11,579	
Total Tangible Cost		816,860	174,672		174,672	642,188	
Total:		3,080,360	2,023,029		2,023,029		



APACHE CORPORATION

Page 1 of 2

Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 6H							DATE 07-23-2012	
Operator APACHE CORPORATION		API 4210335972	GL 2,536.00	TMD 7,603.00	TVD	RKB/RT 2,547.00	Working Int % 100.00	Report No 20
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	
AFE #: PA-12-0031-C		AFE Description:						
AFE Costs 3,080,360		Previous Day Cum 2,023,029		Daily Costs	Cumulative Cost	AFE Remaining		AFE %
Comment Summary 24 HR Forecast		55 BO X 727 BLW (6182 BLWTR) X 485 MCF X 24 HRS X 57 HTZ X TP-90# X CP-10# X FLAP 585' CONTINUE WELL TEST & MONITOR FLAP						
Remarks								
55 BO X 727 BLW (6182 BLWTR) X 485 MCF X 24 HRS X 57 HTZ X TP-90# X CP-10# X FLAP 585'								
Actual Perforations								
Date	Zone		From	To	JSPF	Report Date		
04/11/2012	GRAYBURG		6,589	6,589.00	0	04/11/2012		
04/11/2012	GRAYBURG		6,847	6,847.00	0	04/11/2012		
04/11/2012	GRAYBURG		7,157	7,157.00	0	04/11/2012		
04/11/2012	GRAYBURG		7,455	7,455.00	0	04/11/2012		
04/12/2012	GRAYBURG		4,876	4,876.00	0	04/12/2012		
04/12/2012	GRAYBURG		4,901	4,901.00	0	04/12/2012		
04/12/2012	GRAYBURG		5,176	5,176.00	0	04/12/2012		
04/12/2012	GRAYBURG		5,468	5,468.00	0	04/12/2012		
04/12/2012	GRAYBURG		5,747	5,747.00	0	04/12/2012		
04/12/2012	GRAYBURG		6,023	6,023.00	0	04/12/2012		
04/12/2012	GRAYBURG		6,314	6,314.00	0	04/12/2012		
04/12/2012	GRAYBURG		4,391	4,391.00	0	04/12/2012		
04/12/2012	GRAYBURG		4,047	4,047.00	0	04/12/2012		
04/12/2012	GRAYBURG		3,768	3,768.00	0	04/12/2012		
04/12/2012	GRAYBURG		3,238	3,238.00		04/12/2012		
04/12/2012	GRAYBURG		3,479	3,479.00		04/12/2012		
Directional Information								
Initial Deviation 2,391		Max Dev 93.6deg at 3,593		Max Dogleg 13.5 deg at 3,340				
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	1,000.00	850		-1,547.02	
INTERMEDIATE 1	8.63	32	J55	2,952.00	950		317.74	
PRODUCTION 1	5.50	17	L-80, L80 EXR, L-80 EXR	7,562.00			415.76	
CONDUCTOR								
Personnel								
Company Name	No of People	Hours Today	Cum / Event					
TOTAL ENERGY SERVICES	1	24.0	480.0					
CAPSTAR DRILLING Inc.	1	24.0	1,032.0					
Total:	2	48.0	1,512.0					
Safety Drills								
Rams	Annulars	Casing	Last BOP Test	Next BOP Test				
BULKS								
Product	QTY							
DIESEL, RIG FUEL	0.0							
		4,738.0						



APACHE CORPORATION

Page 2 of 2

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	30,000	18,599	0	18,599	11,401	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,613	0	3,613	16,387	
70011	COMPANY SUPERVISION	17,000	500	0	500	16,500	
70017	CONTRACT LABOR	65,000	51,770	0	51,770	13,230	
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	109,525	0	109,525	18,475	
70021	CONTRACT SUPERVISION		18,700	0	18,700		
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		13,025	0	13,025		
70031	EQUIPMENT RENTAL	130,000	23,395	0	23,395	106,605	
70034	FORMATION STIMULATION	1,500,000	1,215,441	0	1,215,441	284,559	
70037	FUEL AND POWER		12,955	0	12,955		
70049	LOGGING AND WIRELINE	65,000	0	0	0	65,000	
70054	OTHER INTANGIBLE		340,532	0	340,532		
70069	SNUBBING/COIL TUBING UNIT	150,000	25,000	0	25,000	125,000	
70074	TRUCKING AND HAULING	90,000	6,760	0	6,760	83,240	
70076	TUBULAR INSPECTION/TESTING	3,500	2,514	0	2,514	986	
70077	WATER		6,029	0	6,029		
Total Intangible Cost		2,263,500	1,848,357		1,848,357	415,143	
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	350,000	0	0	0	350,000	
71033	OTHER SURFACE EQUIPMENT	30,000	15,300	0	15,300	14,700	
71036	PIPE, VALVES, FITTINGS	100,000	0	0	0	100,000	
71040	PRODUCTION CASING	134,000	122,051	0	122,051	11,949	
71053	TUBING	22,860	20,742	0	20,742	2,118	
71056	WELLHEAD ASSEMBLY	5,000	16,579	0	16,579	-11,579	
Total Tangible Cost		816,860	174,672		174,672	642,188	
Total:		3,080,360	2,023,029		2,023,029		



APACHE CORPORATION

Page 1 of 2

Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 6H							DATE 07-24-2012
Operator APACHE CORPORATION	API 4210335972	GL 2,536.00	TMD 7,603.00	TVD	RKB/RT 2,547.00	Working Int % 100.00	Report No 21
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	

AFE #:	PA-12-0031-C	AFE Description:					
AFE Costs 3,080,360	Previous Day Cum 2,023,029	Daily Costs	Cumulative Cost	AFE Remaining	AFE %		

Comment Summary 24 HR Forecast	45 BO X 665 BLW (5517 BLWTR) X 389 MCF X 24 HRS X 57 HTZ X TP-90# X CP-40# X FLAP 566' CONTINUE TESTING & MONITOR FLAP
-----------------------------------	---

Remarks
45 BO X 665 BLW (5517 BLWTR) X 389 MCF X 24 HRS X 57 HTZ X TP-90# X CP-40# X FLAP 566'

Actual Perforations					
Date	Zone	From	To	JSPF	Report Date
04/11/2012	GRAYBURG	6,589	6,589.00	0	04/11/2012
04/11/2012	GRAYBURG	6,847	6,847.00	0	04/11/2012
04/11/2012	GRAYBURG	7,157	7,157.00	0	04/11/2012
04/11/2012	GRAYBURG	7,455	7,455.00	0	04/11/2012
04/12/2012	GRAYBURG	4,876	4,876.00	0	04/12/2012
04/12/2012	GRAYBURG	4,901	4,901.00	0	04/12/2012
04/12/2012	GRAYBURG	5,176	5,176.00	0	04/12/2012
04/12/2012	GRAYBURG	5,468	5,468.00	0	04/12/2012
04/12/2012	GRAYBURG	5,747	5,747.00	0	04/12/2012
04/12/2012	GRAYBURG	6,023	6,023.00	0	04/12/2012
04/12/2012	GRAYBURG	6,314	6,314.00	0	04/12/2012
04/12/2012	GRAYBURG	4,391	4,391.00	0	04/12/2012
04/12/2012	GRAYBURG	4,047	4,047.00	0	04/12/2012
04/12/2012	GRAYBURG	3,768	3,768.00	0	04/12/2012
04/12/2012	GRAYBURG	3,238	3,238.00		04/12/2012
04/12/2012	GRAYBURG	3,479	3,479.00		04/12/2012

Directional Information		
Initial Deviation 2,391	Max Dev 93.6deg at 3,593	Max Dogleg 13.5 deg at 3,340

Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	1,000.00	850		-1,547.02	
INTERMEDIATE 1	8.63	32	J55	2,952.00	950		317.74	
PRODUCTION 1	5.50	17	L-80, L80 EXR, L-80 EXR	7,562.00			415.76	
CONDUCTOR								

Personnel			
Company Name	No of People	Hours Today	Cum / Event
TOTAL ENERGY SERVICES	1	24.0	504.0
CAPSTAR DRILLING Inc.	1	24.0	1,056.0
Total:	2	48.0	1,560.0

Safety Drills				
Rams	Annulars	Casing	Last BOP Test	Next BOP Test

BULKS	
Product	QTY
DIESEL, RIG FUEL	0.0 4,738.0



APACHE CORPORATION

Page 2 of 2

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	30,000	18,599	0	18,599	11,401	
70006	CEMENT AND CEMENTING SERVICES	20,000	3,613	0	3,613	16,387	
70011	COMPANY SUPERVISION	17,000	500	0	500	16,500	
70017	CONTRACT LABOR	65,000	51,770	0	51,770	13,230	
70019	CONTRACT DRILLING-DAY/TURNKEY	128,000	109,525	0	109,525	18,475	
70021	CONTRACT SUPERVISION		18,700	0	18,700		
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		13,025	0	13,025		
70031	EQUIPMENT RENTAL	130,000	23,395	0	23,395	106,605	
70034	FORMATION STIMULATION	1,500,000	1,215,441	0	1,215,441	284,559	
70037	FUEL AND POWER		12,955	0	12,955		
70049	LOGGING AND WIRELINE	65,000	0	0	0	65,000	
70054	OTHER INTANGIBLE		340,532	0	340,532		
70069	SNUBBING/COIL TUBING UNIT	150,000	25,000	0	25,000	125,000	
70074	TRUCKING AND HAULING	90,000	6,760	0	6,760	83,240	
70076	TUBULAR INSPECTION/TESTING	3,500	2,514	0	2,514	986	
70077	WATER		6,029	0	6,029		
Total Intangible Cost		2,263,500	1,848,357		1,848,357	415,143	
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	350,000	0	0	0	350,000	
71033	OTHER SURFACE EQUIPMENT	30,000	15,300	0	15,300	14,700	
71036	PIPE, VALVES, FITTINGS	100,000	0	0	0	100,000	
71040	PRODUCTION CASING	134,000	122,051	0	122,051	11,949	
71053	TUBING	22,860	20,742	0	20,742	2,118	
71056	WELLHEAD ASSEMBLY	5,000	16,579	0	16,579	-11,579	
Total Tangible Cost		816,860	174,672		174,672	642,188	
Total:		3,080,360	2,023,029		2,023,029		