



**APACHE CORPORATION**  
**Daily Drilling Report**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 02-29-2012
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<b>API #</b> 00	<b>24 HRS PROG</b> 51.0 (ft)	<b>TMD</b> 51.0 (ft)	<b>TVD</b> 51.0 (ft)	<b>REPT NO</b> 1
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<b>RIG NAME NO</b> CAPSTAR 119	<b>FIELD NAME</b> DUNE	<b>AUTH TMD</b> 7,654.00 (ft)	<b>PLANNED DOW</b> 27.00 (days)	<b>DFS / KO</b> 0.00 (days)	<b>DOL</b> 0.00 (days)
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<b>SPUD DATE</b>	<b>RIG RELEASE</b>	<b>SUPERVISOR</b> JOE BARRERA 806-781-4306	<b>ENGINEER</b> ROBERT CLARY	<b>PBTMD</b>
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<b>REGION</b> PERMIAN	<b>DISTRICT</b> NOTREES - TX CZ	<b>STATE / PROV</b> TEXAS	<b>COUNTY / PARISH</b> CRANE	<b>RIG PHONE NO</b> 281-532-5388	<b>RIG FAX NO</b> 432-818-1198
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<b>AFE # PA-12-0031-D</b>	<b>AFE COSTS</b>	<b>DAILY COSTS</b>	<b>CUMULATIVE COSTS</b>
<b>DESCRIPTION:</b> 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

<b>DEFAULT DATUM / ELEVATION</b> RKB/RT / 2,547.0 (ft)	<b>LAST SAFETY MEETING</b>	<b>BLOCK</b>	<b>OCSG#</b>	<b>TARGET FORMATION</b> GRAYBURG	<b>BHA HRS OF SERVICE</b>
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<b>LAST SURVEY</b>	<b>LAST CSG SHOE TEST (EMW)</b>	<b>LAST CASING</b>	<b>NEXT CASING</b>
<b>MD</b> 0.00 (ft) <b>INC</b> 0.00° <b>AZM</b> 0.00°			

**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 INSPECTION 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**  
**Daily Drilling Report**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-01-2012
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<b>API #</b> 00	<b>24 HRS PROG</b> (ft)	<b>TMD</b> 51.0 (ft)	<b>TVD</b> 51.0 (ft)	<b>REPT NO</b> 2
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<b>RIG NAME NO</b> CAPSTAR 119	<b>FIELD NAME</b> DUNE	<b>AUTH TMD</b> 7,654.00 (ft)	<b>PLANNED DOW</b> 27.00 (days)	<b>DFS / KO</b> 0.00 (days)	<b>DOL</b> 0.00 (days)
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<b>SPUD DATE</b>	<b>RIG RELEASE</b>	<b>SUPERVISOR</b> JOE BARRERA 806-781-4306	<b>ENGINEER</b> ROBERT CLARY	<b>PBTMD</b>
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<b>REGION</b> PERMIAN	<b>DISTRICT</b> NOTREES - TX CZ	<b>STATE / PROV</b> TEXAS	<b>COUNTY / PARISH</b> CRANE	<b>RIG PHONE NO</b> 281-532-5388	<b>RIG FAX NO</b> 432-818-1198
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<b>AFE # PA-12-0031-D</b>	<b>AFE COSTS</b>	<b>DAILY COSTS</b>	<b>CUMULATIVE COSTS</b>
<b>DESCRIPTION:</b> DRL HORIZ GRAYBURG WELL 3008' TVD; 7654' MD	DHC: 1,209,500 DCC: CWC: Others: TOTAL: 1,209,500	DHC: 18,039 DCC: CWC: Others: TOTAL: 18,039	DHC: 35,470 DCC: CWC: Others: TOTAL: 35,470

<b>DEFAULT DATUM / ELEVATION</b> RKB/RT / 2,547.0 (ft)	<b>LAST SAFETY MEETING</b> 3/1/2012	<b>BLOCK</b>	<b>OCSG#</b>	<b>TARGET FORMATION</b> GRAYBURG	<b>BHA HRS OF SERVICE</b>
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<b>LAST SURVEY</b>	<b>LAST CSG SHOE TEST (EMW)</b>	<b>LAST CASING</b>	<b>NEXT CASING</b>
<b>MD</b> 0.00 (ft) <b>INC</b> 0.00° <b>AZM</b> 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. PUSHHER	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	LOST TIME?	INCIDENTS DESCRIPTION
NONE	NO	



**APACHE CORPORATION**  
**Daily Drilling Report**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-02-2012
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<b>API #</b> 00	<b>24 HRS PROG</b> (ft)	<b>TMD</b> 51.0 (ft)	<b>TVD</b> 51.0 (ft)	<b>REPT NO</b> 3
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<b>RIG NAME NO</b> CAPSTAR 119	<b>FIELD NAME</b> DUNE	<b>AUTH TMD</b> 7,654.00 (ft)	<b>PLANNED DOW</b> 27.00 (days)	<b>DFS / KO</b> 0.00 (days)	<b>DOL</b> 0.00 (days)
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<b>SPUD DATE</b>	<b>RIG RELEASE</b>	<b>SUPERVISOR</b> JOE BARRERA 806-781-4306	<b>ENGINEER</b> ROBERT CLARY	<b>PBTMD</b>
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<b>REGION</b> PERMIAN	<b>DISTRICT</b> NOTREES - TX CZ	<b>STATE / PROV</b> TEXAS	<b>COUNTY / PARISH</b> CRANE	<b>RIG PHONE NO</b> 281-532-5388	<b>RIG FAX NO</b> 432-818-1198
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<b>AFE # PA-12-0031-D</b>	<b>AFE COSTS</b>	<b>DAILY COSTS</b>	<b>CUMULATIVE COSTS</b>
<b>DESCRIPTION:</b> 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

<b>DEFAULT DATUM / ELEVATION</b> RKB/RT / 2,547.0 (ft)	<b>LAST SAFETY MEETING</b> 3/2/2012	<b>BLOCK</b>	<b>OCSG#</b>	<b>TARGET FORMATION</b> GRAYBURG	<b>BHA HRS OF SERVICE</b>
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<b>LAST SURVEY</b>	<b>LAST CSG SHOE TEST (EMW)</b>	<b>LAST CASING</b>	<b>NEXT CASING</b>
MD 0.00 (ft) INC 0.00° AZM 0.00°			

**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. 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	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**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-03-2012
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<b>API #</b> 00	<b>24 HRS PROG</b> (ft)	<b>TMD</b> 51.0 (ft)	<b>TVD</b> 51.0 (ft)	<b>REPT NO</b> 4
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<b>RIG NAME NO</b> CAPSTAR 119	<b>FIELD NAME</b> DUNE	<b>AUTH TMD</b> 7,654.00 (ft)	<b>PLANNED DOW</b> 27.00 (days)	<b>DFS / KO</b> 0.00 (days)	<b>DOL</b> 0.00 (days)
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<b>SPUD DATE</b>	<b>RIG RELEASE</b>	<b>SUPERVISOR</b> JOE BARRERA 806-781-4306	<b>ENGINEER</b> ROBERT CLARY	<b>PBTMD</b>
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<b>REGION</b> PERMIAN	<b>DISTRICT</b> NOTREES - TX CZ	<b>STATE / PROV</b> TEXAS	<b>COUNTY / PARISH</b> CRANE	<b>RIG PHONE NO</b> 281-532-5388	<b>RIG FAX NO</b> 432-818-1198
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<b>AFE # PA-12-0031-D</b>	<b>AFE COSTS</b>	<b>DAILY COSTS</b>	<b>CUMULATIVE COSTS</b>
<b>DESCRIPTION:</b> 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

<b>DEFAULT DATUM / ELEVATION</b> RKB/RT / 2,547.0 (ft)	<b>LAST SAFETY MEETING</b> 3/3/2012	<b>BLOCK</b>	<b>OCSG#</b>	<b>TARGET FORMATION</b> GRAYBURG	<b>BHA HRS OF SERVICE</b>
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<b>LAST SURVEY</b> MD 0.00 (ft) INC 0.00° AZM 0.00°	<b>LAST CSG SHOE TEST (EMW)</b>	<b>LAST CASING</b>	<b>NEXT CASING</b>
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**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							ACTIVITY SUMMARY
From	To	HRS	Phase	Op Code	PT/NPT	PT CODE	
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
<b>TOTAL PERSONNEL ON BOARD: 2</b>					
<b>TOTAL HOURS ON BOARD: 48</b>					

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	LOST TIME? NO	INCIDENTS DESCRIPTION
NONE		



**APACHE CORPORATION**  
**Daily Drilling Report**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-04-2012
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<b>API #</b> 00	<b>24 HRS PROG</b> (ft)	<b>TMD</b> 51.0 (ft)	<b>TVD</b> 51.0 (ft)	<b>REPT NO</b> 6
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<b>RIG NAME NO</b> CAPSTAR 119	<b>FIELD NAME</b> DUNE	<b>AUTH TMD</b> 7,654.00 (ft)	<b>PLANNED DOW</b> 27.00 (days)	<b>DFS / KO</b> 0.00 (days)	<b>DOL</b> 0.00 (days)
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<b>SPUD DATE</b>	<b>RIG RELEASE</b>	<b>SUPERVISOR</b> JAMES W. GARDNER (432)-254-6606	<b>ENGINEER</b> ROBERT CLARY	<b>PBTMD</b>
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<b>REGION</b> PERMIAN	<b>DISTRICT</b> NOTREES - TX CZ	<b>STATE / PROV</b> TEXAS	<b>COUNTY / PARISH</b> CRANE	<b>RIG PHONE NO</b> 281-532-5388	<b>RIG FAX NO</b> 432-818-1198
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<b>AFE # PA-12-0031-D</b>	<b>AFE COSTS</b>	<b>DAILY COSTS</b>	<b>CUMULATIVE COSTS</b>
<b>DESCRIPTION:</b> DRL HORIZ GRAYBURG WELL 3008' TVD; 7654' MD	DHC: 1,209,500 DCC: CWC: Others: TOTAL: 1,209,500	DHC: 18,406 DCC: CWC: Others: TOTAL: 18,406	DHC: 107,504 DCC: CWC: Others: TOTAL: 107,504

<b>DEFAULT DATUM / ELEVATION</b> RKB/RT / 2,547.0 (ft)	<b>LAST SAFETY MEETING</b> 3/4/2012	<b>BLOCK</b>	<b>OCSG#</b>	<b>TARGET FORMATION</b> GRAYBURG	<b>BHA HRS OF SERVICE</b> 0.00
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<b>LAST SURVEY</b>	<b>LAST CSG SHOE TEST (EMW)</b>	<b>LAST CASING</b>	<b>NEXT CASING</b>
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**  
**Daily Drilling Report**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-05-2012
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<b>API #</b> 00	<b>24 HRS PROG</b> (ft)	<b>TMD</b> 51.0 (ft)	<b>TVD</b> 51.0 (ft)	<b>REPT NO</b> 7
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<b>RIG NAME NO</b> CAPSTAR 119	<b>FIELD NAME</b> DUNE	<b>AUTH TMD</b> 7,654.00 (ft)	<b>PLANNED DOW</b> 27.00 (days)	<b>DFS / KO</b> 0.00 (days)	<b>DOL</b> 0.75 (days)
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<b>SPUD DATE</b>	<b>RIG RELEASE</b>	<b>SUPERVISOR</b> JAMES W. GARDNER (432)-254-6606	<b>ENGINEER</b> ROBERT CLARY	<b>PBTMD</b>
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<b>REGION</b> PERMIAN	<b>DISTRICT</b> NOTREES - TX CZ	<b>STATE / PROV</b> TEXAS	<b>COUNTY / PARISH</b> CRANE	<b>RIG PHONE NO</b> 281-532-5388	<b>RIG FAX NO</b> 432-818-1198
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<b>AFE # PA-12-0031-D</b>	<b>AFE COSTS</b>	<b>DAILY COSTS</b>	<b>CUMULATIVE COSTS</b>
<b>DESCRIPTION:</b> 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

<b>DEFAULT DATUM / ELEVATION</b> RKB/RT / 2,547.0 (ft)	<b>LAST SAFETY MEETING</b> 3/5/2012	<b>BLOCK</b>	<b>OCSG#</b>	<b>TARGET FORMATION</b> GRAYBURG	<b>BHA HRS OF SERVICE</b> 0.00
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<b>LAST SURVEY</b>	<b>LAST CSG SHOE TEST (EMW)</b>	<b>LAST CASING</b>	<b>NEXT CASING</b>
<b>MD</b> 0.00 (ft) <b>INC</b> 0.00° <b>AZM</b> 0.00°			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. 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	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**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-06-2012
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<b>API #</b> 00	<b>24 HRS PROG</b> (ft)	<b>TMD</b> 51.0 (ft)	<b>TVD</b> 51.0 (ft)	<b>REPT NO</b> 8
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<b>RIG NAME NO</b> CAPSTAR 119	<b>FIELD NAME</b> DUNE	<b>AUTH TMD</b> 7,654.00 (ft)	<b>PLANNED DOW</b> 27.00 (days)	<b>DFS / KO</b> 0.00 (days)	<b>DOL</b> 1.75 (days)
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<b>SPUD DATE</b>	<b>RIG RELEASE</b>	<b>SUPERVISOR</b> JAMES W. GARDNER (432)-254-6606	<b>ENGINEER</b> ROBERT CLARY	<b>PBTMD</b>
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<b>REGION</b> PERMIAN	<b>DISTRICT</b> NOTREES - TX CZ	<b>STATE / PROV</b> TEXAS	<b>COUNTY / PARISH</b> CRANE	<b>RIG PHONE NO</b> 281-532-5388	<b>RIG FAX NO</b> 432-818-1198
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<b>AFE # PA-12-0031-D</b>	<b>AFE COSTS</b>	<b>DAILY COSTS</b>	<b>CUMULATIVE COSTS</b>
<b>DESCRIPTION:</b> DRL HORIZ GRAYBURG WELL 3008' TVD; 7654' MD	DHC: 1,209,500 DCC: CWC: Others: TOTAL: 1,209,500	DHC: 18,244 DCC: CWC: Others: TOTAL: 18,244	DHC: 143,586 DCC: CWC: Others: TOTAL: 143,586

<b>DEFAULT DATUM / ELEVATION</b> RKB/RT / 2,547.0 (ft)	<b>LAST SAFETY MEETING</b> 3/6/2012	<b>BLOCK</b>	<b>OCSG#</b>	<b>TARGET FORMATION</b> GRAYBURG	<b>BHA HRS OF SERVICE</b> 0.00
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<b>LAST SURVEY</b>	<b>LAST CSG SHOE TEST (EMW)</b>	<b>LAST CASING</b>	<b>NEXT CASING</b>
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 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. 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	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**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-07-2012
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<b>API #</b> 00	<b>24 HRS PROG</b> (ft)	<b>TMD</b> 51.0 (ft)	<b>TVD</b> 51.0 (ft)	<b>REPT NO</b> 9
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<b>RIG NAME NO</b> CAPSTAR 119	<b>FIELD NAME</b> DUNE	<b>AUTH TMD</b> 7,654.00 (ft)	<b>PLANNED DOW</b> 27.00 (days)	<b>DFS / KO</b> 0.00 (days)	<b>DOL</b> 2.75 (days)
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<b>SPUD DATE</b>	<b>RIG RELEASE</b>	<b>SUPERVISOR</b> JAMES W. GARDNER (432)-254-6606	<b>ENGINEER</b> ROBERT CLARY	<b>PBTMD</b>
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<b>REGION</b> PERMIAN	<b>DISTRICT</b> NOTREES - TX CZ	<b>STATE / PROV</b> TEXAS	<b>COUNTY / PARISH</b> CRANE	<b>RIG PHONE NO</b> 281-532-5388	<b>RIG FAX NO</b> 432-818-1198
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<b>AFE # PA-12-0031-D</b>	<b>AFE COSTS</b>	<b>DAILY COSTS</b>	<b>CUMULATIVE COSTS</b>
<b>DESCRIPTION:</b> DRL HORIZ GRAYBURG WELL 3008' TVD; 7654' MD	DHC: 1,209,500 DCC: CWC: Others: TOTAL: 1,209,500	DHC: 27,227 DCC: CWC: Others: TOTAL: 27,227	DHC: 170,813 DCC: CWC: Others: TOTAL: 170,813

<b>DEFAULT DATUM / ELEVATION</b> RKB/RT / 2,547.0 (ft)	<b>LAST SAFETY MEETING</b> 3/7/2012	<b>BLOCK</b>	<b>OCSG#</b>	<b>TARGET FORMATION</b> GRAYBURG	<b>BHA HRS OF SERVICE</b> 0.00
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<b>LAST SURVEY</b>	<b>LAST CSG SHOE TEST (EMW)</b>	<b>LAST CASING</b>	<b>NEXT CASING</b> 20.000 in @ 51.0 ft
MD 0.00 (ft) INC 0.00° AZM 0.00°			

**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. 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	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
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**MUD INVENTORY**

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



**APACHE CORPORATION**  
**Daily Drilling Report**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-08-2012
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<b>API #</b> 00	<b>24 HRS PROG</b> (ft)	<b>TMD</b> 51.0 (ft)	<b>TVD</b> 51.0 (ft)	<b>REPT NO</b> 10
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<b>RIG NAME NO</b> CAPSTAR 119	<b>FIELD NAME</b> DUNE	<b>AUTH TMD</b> 7,654.00 (ft)	<b>PLANNED DOW</b> 16.00 (days)	<b>DFS / KO</b> 0.00 (days)	<b>DOL</b> 3.75 (days)
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<b>SPUD DATE</b>	<b>RIG RELEASE</b>	<b>SUPERVISOR</b> JAMES W. GARDNER (432)-254-6606	<b>ENGINEER</b> ROBERT CLARY	<b>PBTMD</b>
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<b>REGION</b> PERMIAN	<b>DISTRICT</b> NOTREES - TX CZ	<b>STATE / PROV</b> TEXAS	<b>COUNTY / PARISH</b> CRANE	<b>RIG PHONE NO</b> 281-532-5388	<b>RIG FAX NO</b> 432-818-1198
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<b>AFE # PA-12-0031-D</b>	<b>AFE COSTS</b>	<b>DAILY COSTS</b>	<b>CUMULATIVE COSTS</b>
<b>DESCRIPTION:</b> DRL HORIZ GRAYBURG WELL 3008' TVD; 7654' MD	DHC: 1,209,500 DCC: CWC: Others: TOTAL: 1,209,500	DHC: 153,270 DCC: CWC: Others: TOTAL: 153,270	DHC: 324,083 DCC: CWC: Others: TOTAL: 324,083

<b>DEFAULT DATUM / ELEVATION</b> RKB/RT / 2,547.0 (ft)	<b>LAST SAFETY MEETING</b> 3/8/2012	<b>BLOCK</b>	<b>OCSG#</b>	<b>TARGET FORMATION</b> GRAYBURG	<b>BHA HRS OF SERVICE</b> 0.00
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<b>LAST SURVEY</b>	<b>LAST CSG SHOE TEST (EMW)</b>	<b>LAST CASING</b>	<b>NEXT CASING</b>
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. 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		2,766.00	2,766.00	0.00



**APACHE CORPORATION**  
**Daily Drilling Report**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-09-2012
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<b>API #</b> 00	<b>24 HRS PROG</b> 253.0 (ft)	<b>TMD</b> 304.0 (ft)	<b>TVD</b> 304.0 (ft)	<b>REPT NO</b> 11
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<b>RIG NAME NO</b> CAPSTAR 119	<b>FIELD NAME</b> DUNE	<b>AUTH TMD</b> 7,654.00 (ft)	<b>PLANNED DOW</b> 16.00 (days)	<b>DFS / KO</b> 0.38 (days)	<b>DOL</b> 4.75 (days)
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<b>SPUD DATE</b> 03-09-2012 15:00	<b>RIG RELEASE</b>	<b>SUPERVISOR</b> JAMES W. GARDNER (432)-254-6606	<b>ENGINEER</b> ROBERT CLARY	<b>PBTMD</b>
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<b>REGION</b> PERMIAN	<b>DISTRICT</b> NOTREES - TX CZ	<b>STATE / PROV</b> TEXAS	<b>COUNTY / PARISH</b> CRANE	<b>RIG PHONE NO</b> 281-532-5388	<b>RIG FAX NO</b> 432-818-1198
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<b>AFE # PA-12-0031-D</b>	<b>AFE COSTS</b>	<b>DAILY COSTS</b>	<b>CUMULATIVE COSTS</b>
<b>DESCRIPTION:</b> 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

<b>DEFAULT DATUM / ELEVATION</b> RKB/RT / 2,547.0 (ft)	<b>LAST SAFETY MEETING</b> 3/9/2012	<b>BLOCK</b>	<b>OCSG#</b>	<b>TARGET FORMATION</b> GRAYBURG	<b>BHA HRS OF SERVICE</b> 7.00
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<b>LAST SURVEY</b> MD 244.00 (ft) INC 0.00° AZM 0.00°	<b>LAST CSG SHOE TEST (EMW)</b>	<b>LAST CASING</b> 20.000 in @ 51.0 ft	<b>NEXT CASING</b> 13.375 in @ 990.0 ft
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**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
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**APACHE CORPORATION**  
**Daily Drilling Report**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-09-2012
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<b>API #</b> 00	<b>24 HRS PROG</b> 253.0 (ft)	<b>TMD</b> 304.0 (ft)	<b>TVD</b> 304.0 (ft)	<b>REPT NO</b> 11
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LCM: 0.0	<b>MUD PROPERTIES</b>						MUD TYPE: FRESH WATER
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VIS (s/qt)	PV/YP (cp) / (lbf/100ft <sup>2</sup> )	GELS (lbf/100ft <sup>2</sup> )	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 (%)
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
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BHA	1	JAR S/N		<b>BHA / HOLE CONDITIONS</b>				JAR HRS		BIT	1
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BHA WT BELOW JARS	STRING WT UP	STRING WT DN	STRING WT ROT	TORQUE/UNITS	BHA LENGTH
(kip)	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)
Tie On	244.00	0.00	0.00	244.0	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	450.3	AV(DC):			
				HP: 0.172 (hp/in <sup>2</sup> )			

**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	498	3981				



**APACHE CORPORATION**  
**Daily Drilling Report**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-10-2012
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<b>API #</b> 00	<b>24 HRS PROG</b> 206.0 (ft)	<b>TMD</b> 510.0 (ft)	<b>TVD</b> 510.0 (ft)	<b>REPT NO</b> 12
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<b>RIG NAME NO</b> CAPSTAR 119	<b>FIELD NAME</b> DUNE	<b>AUTH TMD</b> 7,654.00 (ft)	<b>PLANNED DOW</b> 16.00 (days)	<b>DFS / KO</b> 1.38 (days)	<b>DOL</b> 5.75 (days)
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<b>SPUD DATE</b> 03-09-2012 15:00	<b>RIG RELEASE</b>	<b>SUPERVISOR</b> JAMES W. GARDNER (432)-254-6606	<b>ENGINEER</b> ROBERT CLARY	<b>PBTMD</b>
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<b>REGION</b> PERMIAN	<b>DISTRICT</b> NOTREES - TX CZ	<b>STATE / PROV</b> TEXAS	<b>COUNTY / PARISH</b> CRANE	<b>RIG PHONE NO</b> 281-532-5388	<b>RIG FAX NO</b> 432-818-1198
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<b>AFE # PA-12-0031-D</b>	<b>AFE COSTS</b>	<b>DAILY COSTS</b>	<b>CUMULATIVE COSTS</b>
<b>DESCRIPTION:</b> 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

<b>DEFAULT DATUM / ELEVATION</b> RKB/RT / 2,547.0 (ft)	<b>LAST SAFETY MEETING</b> 3/10/2012	<b>BLOCK</b>	<b>OCSG#</b>	<b>TARGET FORMATION</b> GRAYBURG	<b>BHA HRS OF SERVICE</b> 11.50
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<b>LAST SURVEY</b>	<b>LAST CSG SHOE TEST (EMW)</b>	<b>LAST CASING</b>	<b>NEXT CASING</b>
MD 451.00 (ft) INC 0.50° AZM 0.00°		20.000 in @ 51.0 ft	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:	ROTAARY CURRENT: 120	TOTAL RPM: 120
LCM: 0.0	<b>MUD PROPERTIES</b>	
	MUD TYPE: FRESH WATER	

VIS (s/qt)	PV/YP (cp) / (lbf/100ft²)	GELS (lbf/100ft²)	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
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
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**APACHE CORPORATION**  
**Daily Drilling Report**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-10-2012
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<b>API #</b> 00	<b>24 HRS PROG</b> 206.0 (ft)	<b>TMD</b> 510.0 (ft)	<b>TVD</b> 510.0 (ft)	<b>REPT NO</b> 12
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<b>BHA</b>	1	<b>JAR S/N</b>	<b>BHA / HOLE CONDITIONS</b>				<b>JAR HRS</b>	<b>BIT</b>	1
<b>BHA WT BELOW JARS</b>	<b>STRING WT UP</b>	<b>STRING WT DN</b>	<b>STRING WT ROT</b>	<b>TORQUE/UNITS</b>		<b>BHA LENGTH</b>			
(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/in <sup>2</sup> )			

**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**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-11-2012
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<b>API #</b> 00	<b>24 HRS PROG</b> 490.0 (ft)	<b>TMD</b> 1,000.0 (ft)	<b>TVD</b> 1,000.0 (ft)	<b>REPT NO</b> 13
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<b>RIG NAME NO</b> CAPSTAR 119	<b>FIELD NAME</b> DUNE	<b>AUTH TMD</b> 7,654.00 (ft)	<b>PLANNED DOW</b> 16.00 (days)	<b>DFS / KO</b> 2.38 (days)	<b>DOL</b> 6.75 (days)
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<b>SPUD DATE</b> 03-09-2012 15:00	<b>RIG RELEASE</b>	<b>SUPERVISOR</b> JAMES W. GARDNER (432)-254-6606	<b>ENGINEER</b> ROBERT CLARY	<b>PBTMD</b>
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<b>REGION</b> PERMIAN	<b>DISTRICT</b> NOTREES - TX CZ	<b>STATE / PROV</b> TEXAS	<b>COUNTY / PARISH</b> CRANE	<b>RIG PHONE NO</b> 281-532-5388	<b>RIG FAX NO</b> 432-818-1198
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<b>AFE # PA-12-0031-D</b>	<b>AFE COSTS</b>	<b>DAILY COSTS</b>	<b>CUMULATIVE COSTS</b>
<b>DESCRIPTION:</b> 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

<b>DEFAULT DATUM / ELEVATION</b> RKB/RT / 2,547.0 (ft)	<b>LAST SAFETY MEETING</b> 3/11/2012	<b>BLOCK</b>	<b>OCSG#</b>	<b>TARGET FORMATION</b> GRAYBURG	<b>BHA HRS OF SERVICE</b> 21.00
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<b>LAST SURVEY</b>	<b>LAST CSG SHOE TEST (EMW)</b>	<b>LAST CASING</b>	<b>NEXT CASING</b>
<b>MD</b> 987.00 (ft) <b>INC</b> 0.50° <b>AZM</b> 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_PCSCG	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**  
**Daily Drilling Report**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-11-2012
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<b>API #</b> 00	<b>24 HRS PROG</b> 490.0 (ft)	<b>TMD</b> 1,000.0 (ft)	<b>TVD</b> 1,000.0 (ft)	<b>REPT NO</b> 13
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**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	<b>MUD PROPERTIES</b>	
	MUD TYPE: FRESH WATER	

VIS (s/qt)	PV/YP (cp) / (lbf/100ft <sup>2</sup> )	GELS (lbf/100ft <sup>2</sup> )	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 (%)
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
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BHA	1	JAR S/N		<b>BHA / HOLE CONDITIONS</b>				JAR HRS		BIT	
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BHA WT BELOW JARS	STRING WT UP	STRING WT DN	STRING WT ROT	TORQUE/UNITS	BHA LENGTH
(kip)	(kip)	(kip)	(kip)	(ft-lbf)	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
	TELEDRIIFT	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	SURFACE	13.375	48.00	H-40	1,000.0
OH	CONDUCTOR				

MUD PUMPS/HYDRAULICS				SPP: 800 (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/in <sup>2</sup> )		



**APACHE CORPORATION**  
**Daily Drilling Report**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-12-2012
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<b>API #</b> 00	<b>24 HRS PROG</b> (ft)	<b>TMD</b> 1,000.0 (ft)	<b>TVD</b> 1,000.0 (ft)	<b>REPT NO</b> 14
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<b>RIG NAME NO</b> CAPSTAR 119	<b>FIELD NAME</b> DUNE	<b>AUTH TMD</b> 7,654.00 (ft)	<b>PLANNED DOW</b> 16.00 (days)	<b>DFS / KO</b> 3.38 (days)	<b>DOL</b> 7.75 (days)
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<b>SPUD DATE</b> 03-09-2012 15:00	<b>RIG RELEASE</b>	<b>SUPERVISOR</b> JAMES W. GARDNER (432)-254-6606	<b>ENGINEER</b> ROBERT CLARY	<b>PBTMD</b>
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<b>REGION</b> PERMIAN	<b>DISTRICT</b> NOTREES - TX CZ	<b>STATE / PROV</b> TEXAS	<b>COUNTY / PARISH</b> CRANE	<b>RIG PHONE NO</b> 281-532-5388	<b>RIG FAX NO</b> 432-818-1198
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<b>AFE # PA-12-0031-D</b>	<b>AFE COSTS</b>	<b>DAILY COSTS</b>	<b>CUMULATIVE COSTS</b>
<b>DESCRIPTION:</b> 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

<b>DEFAULT DATUM / ELEVATION</b> RKB/RT / 2,547.0 (ft)	<b>LAST SAFETY MEETING</b> 3/12/2012	<b>BLOCK</b>	<b>OCSG#</b>	<b>TARGET FORMATION</b> GRAYBURG	<b>BHA HRS OF SERVICE</b> 21.50
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<b>LAST SURVEY</b>	<b>LAST CSG SHOE TEST (EMW)</b>	<b>LAST CASING</b>	<b>NEXT CASING</b>
<b>MD</b> 987.00 (ft) <b>INC</b> 0.50° <b>AZM</b> 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**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-12-2012
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<b>API #</b> 00	<b>24 HRS PROG</b> (ft)	<b>TMD</b> 1,000.0 (ft)	<b>TVD</b> 1,000.0 (ft)	<b>REPT NO</b> 14
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LCM:	MUD PROPERTIES	MUD TYPE: BRINE
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VIS (s/qt)	PV/YP (cp) / (lbf/100ft <sup>2</sup> )	GELS (lbf/100ft <sup>2</sup> )	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							9.50						

Density (ppg)	10.00	PP	DAILY COST	0.00	CUM COST	2766	%OIL	% H2O
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BHA	2	JAR S/N	BHA / HOLE CONDITIONS				JAR HRS	BIT	2
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BHA WT BELOW JARS (kip)	STRING WT UP (kip)	STRING WT DN (kip)	STRING WT ROT (kip)	TORQUE/UNITS (ft-lbf)	BHA LENGTH (ft)
					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
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**MUD INVENTORY**

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



**APACHE CORPORATION**  
**Daily Drilling Report**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-13-2012
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<b>API #</b> 4210335972 00	<b>24 HRS PROG</b> 110.0 (ft)	<b>TMD</b> 1,110.0 (ft)	<b>TVD</b> 1,110.0 (ft)	<b>REPT NO</b> 15
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<b>RIG NAME NO</b> CAPSTAR 119	<b>FIELD NAME</b> DUNE	<b>AUTH TMD</b> 7,654.00 (ft)	<b>PLANNED DOW</b> 16.00 (days)	<b>DFS / KO</b> 4.38 (days)	<b>DOL</b> 8.75 (days)
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<b>SPUD DATE</b> 03-09-2012 15:00	<b>RIG RELEASE</b>	<b>SUPERVISOR</b> JAMES W. GARDNER (432)-254-6606	<b>ENGINEER</b> ROBERT CLARY	<b>PBTMD</b>
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<b>REGION</b> PERMIAN	<b>DISTRICT</b> NOTREES - TX CZ	<b>STATE / PROV</b> TEXAS	<b>COUNTY / PARISH</b> CRANE	<b>RIG PHONE NO</b> 281-532-5388	<b>RIG FAX NO</b> 432-818-1198
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<b>AFE # PA-12-0031-D</b>	<b>AFE COSTS</b>	<b>DAILY COSTS</b>	<b>CUMULATIVE COSTS</b>
<b>DESCRIPTION:</b> 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

<b>DEFAULT DATUM / ELEVATION</b> RKB/RT / 2,547.0 (ft)	<b>LAST SAFETY MEETING</b> 3/13/2012	<b>BLOCK</b>	<b>OCSG#</b>	<b>TARGET FORMATION</b> GRAYBURG	<b>BHA HRS OF SERVICE</b> 25.00
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<b>LAST SURVEY</b>			<b>LAST CSG SHOE TEST (EMW)</b>		<b>LAST CASING</b>		<b>NEXT CASING</b>	
<b>MD</b> 1,238.00 (ft)	<b>INC</b> 0.80°	<b>AZM</b> 0.00°			13.375 in @ 1,000.0 ft		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**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-13-2012
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<b>API #</b> 4210335972 00	<b>24 HRS PROG</b> 110.0 (ft)	<b>TMD</b> 1,110.0 (ft)	<b>TVD</b> 1,110.0 (ft)	<b>REPT NO</b> 15
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**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	<b>MUD PROPERTIES</b>	
	MUD TYPE: BRINE	

VIS (s/qt)	PV/YP (cp) / (lbf/100ft <sup>2</sup> )	GELS (lbf/100ft <sup>2</sup> )	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
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BHA	3	JAR S/N		<b>BHA / HOLE CONDITIONS</b>				JAR HRS		BIT	3
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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**

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



**APACHE CORPORATION**  
**Daily Drilling Report**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-14-2012
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<b>API #</b> 4210335972 00	<b>24 HRS PROG</b> 818.0 (ft)	<b>TMD</b> 2,262.0 (ft)	<b>TVD</b> 2,261.9 (ft)	<b>REPT NO</b> 16
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<b>RIG NAME NO</b> CAPSTAR 119	<b>FIELD NAME</b> DUNE	<b>AUTH TMD</b> 7,654.00 (ft)	<b>PLANNED DOW</b> 16.00 (days)	<b>DFS / KO</b> 5.38 (days)	<b>DOL</b> 9.75 (days)
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<b>SPUD DATE</b> 03-09-2012 15:00	<b>RIG RELEASE</b>	<b>SUPERVISOR</b> JAMES W. GARDNER (432)-254-6606	<b>ENGINEER</b> ROBERT CLARY	<b>PBTMD</b>
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<b>REGION</b> PERMIAN	<b>DISTRICT</b> NOTREES - TX CZ	<b>STATE / PROV</b> TEXAS	<b>COUNTY / PARISH</b> CRANE	<b>RIG PHONE NO</b> 281-532-5388	<b>RIG FAX NO</b> 432-818-1198
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<b>AFE # PA-12-0031-D</b>	<b>AFE COSTS</b>	<b>DAILY COSTS</b>	<b>CUMULATIVE COSTS</b>
<b>DESCRIPTION:</b> 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

<b>DEFAULT DATUM / ELEVATION</b> RKB/RT / 2,547.0 (ft)	<b>LAST SAFETY MEETING</b> 3/14/2012	<b>BLOCK</b>	<b>OCSG#</b>	<b>TARGET FORMATION</b> GRAYBURG	<b>BHA HRS OF SERVICE</b> 36.50
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<b>LAST SURVEY</b> MD 2,203.00 (ft) INC 0.30° AZM 19.78°	<b>LAST CSG SHOE TEST (EMW)</b>	<b>LAST CASING</b> 13.375 in @ 1,000.0 ft	<b>NEXT CASING</b> 8.625 in @ 2,950.0 ft
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**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
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**APACHE CORPORATION**  
**Daily Drilling Report**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-14-2012
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<b>API #</b> 4210335972 00	<b>24 HRS PROG</b> 818.0 (ft)	<b>TMD</b> 2,262.0 (ft)	<b>TVD</b> 2,261.9 (ft)	<b>REPT NO</b> 16
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LCM: 0.0	<b>MUD PROPERTIES</b>						MUD TYPE: BRINE					
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VIS (s/qt)	PV/YP (cp) / (lbf/100ft <sup>2</sup> )	GELS (lbf/100ft <sup>2</sup> )	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
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
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BHA	3	JAR S/N		<b>BHA / HOLE CONDITIONS</b>				JAR HRS		BIT	
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BHA WT BELOW JARS	STRING WT UP	STRING WT DN	STRING WT ROT	TORQUE/UNITS	BHA LENGTH
(kip)	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**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-14-2012
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<b>API #</b> 4210335972 00	<b>24 HRS PROG</b> 818.0 (ft)	<b>TMD</b> 2,262.0 (ft)	<b>TVD</b> 2,261.9 (ft)	<b>REPT NO</b> 16
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**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)			
# 1	10.00	105.00	6.500	429.9	AV(DP):	SPM	PPSR
					AV(DC):		
					HP: 0.314 (hp/in <sup>2</sup> )		

**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	997	1498				



**APACHE CORPORATION**  
**Daily Drilling Report**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H						<b>DATE</b> 03-15-2012		
<b>API #</b> 4210335972 00		<b>24 HRS PROG</b> 55.0 (ft)		<b>TMD</b> 2,317.0 (ft)		<b>TVD</b> 2,316.9 (ft)		<b>REPT NO</b> 17
<b>RIG NAME NO</b> CAPSTAR 119		<b>FIELD NAME</b> DUNE		<b>AUTH TMD</b> 7,654.00 (ft)	<b>PLANNED DOW</b> 16.00 (days)		<b>DFS / KO</b> 6.38 (days)	<b>DOL</b> 10.75 (days)
<b>SPUD DATE</b> 03-09-2012 15:00	<b>RIG RELEASE</b>	<b>SUPERVISOR</b> JAMES W. GARDNER (432)-254-6606			<b>ENGINEER</b> ROBERT CLARY		<b>PBTMD</b>	
<b>REGION</b> PERMIAN		<b>DISTRICT</b> NOTREES - TX CZ		<b>STATE / PROV</b> TEXAS	<b>COUNTY / PARISH</b> CRANE	<b>RIG PHONE NO</b> 281-532-5388	<b>RIG FAX NO</b> 432-818-1198	
<b>AFE # PA-12-0031-D</b>		<b>AFE COSTS</b>		<b>DAILY COSTS</b>		<b>CUMULATIVE COSTS</b>		
<b>DESCRIPTION:</b> DRL HORIZ GRAYBURG WELL 3008' TVD; 7654' MD		DHC: 1,209,500		DHC: 34,218		DHC: 590,256		
		DCC:		DCC:		DCC:		
		CWC:		CWC:		CWC:		
		Others:		Others:		Others:		
		TOTAL: 1,209,500		TOTAL: 34,218		TOTAL: 590,256		

<b>DEFAULT DATUM / ELEVATION</b> RKB/RT / 2,547.0 (ft)		<b>LAST SAFETY MEETING</b> 3/15/2012	<b>BLOCK</b>		<b>OCSG#</b>	<b>TARGET FORMATION</b> GRAYBURG		<b>BHA HRS OF SERVICE</b> 3.50
<b>LAST SURVEY</b>			<b>LAST CSG SHOE TEST (EMW)</b>		<b>LAST CASING</b>		<b>NEXT CASING</b>	
<b>MD</b> 2,265.00 (ft)	<b>INC</b> 0.90°	<b>AZM</b> 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**  
**Daily Drilling Report**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-15-2012
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<b>API #</b> 4210335972 00	<b>24 HRS PROG</b> 55.0 (ft)	<b>TMD</b> 2,317.0 (ft)	<b>TVD</b> 2,316.9 (ft)	<b>REPT NO</b> 17
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**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	<b>MUD PROPERTIES</b>	
		MUD TYPE: BRINE

VIS (s/qt)	PV/YP (cp) / (lb/100ft <sup>2</sup> )	GELS (lb/100ft <sup>2</sup> )	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%)/(lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
29.00	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	<b>BHA / HOLE CONDITIONS</b>				JAR HRS	BIT	5
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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	
STROKE	SPM	LINER	FLOW RATE	AV(DP):	AV(DC):	SPM	PPSR
# 1	10.00	60.00	6.500	245.6	HP: 1.054 (hp/in <sup>2</sup> )		
# 2	10.00	60.00	6.500	245.6			



**APACHE CORPORATION**  
**Daily Drilling Report**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H						<b>DATE</b> 03-16-2012			
<b>API #</b> 4210335972 00		<b>24 HRS PROG</b> 286.0 (ft)		<b>TMD</b> 2,603.0 (ft)		<b>TVD</b> 2,593.0 (ft)		<b>REPT NO</b> 18	
<b>RIG NAME NO</b> CAPSTAR 119		<b>FIELD NAME</b> DUNE		<b>AUTH TMD</b> 7,654.00 (ft)		<b>PLANNED DOW</b> 16.00 (days)		<b>DFS / KO</b> 7.38 (days)	<b>DOL</b> 11.75 (days)
<b>SPUD DATE</b> 03-09-2012 15:00		<b>RIG RELEASE</b>		<b>SUPERVISOR</b> JAMES W. GARDNER (432)-254-6606			<b>ENGINEER</b> ROBERT CLARY		<b>PBTMD</b>
<b>REGION</b> PERMIAN		<b>DISTRICT</b> NOTREES - TX CZ		<b>STATE / PROV</b> TEXAS		<b>COUNTY / PARISH</b> CRANE		<b>RIG PHONE NO</b> 281-532-5388	<b>RIG FAX NO</b> 432-818-1198
<b>AFE # PA-12-0031-D</b>		<b>AFE COSTS</b>		<b>DAILY COSTS</b>		<b>CUMULATIVE COSTS</b>			
<b>DESCRIPTION:</b> DRL HORIZ GRAYBURG WELL 3008' TVD; 7654' MD		DHC: 1,209,500		DHC: 37,670		DHC: 627,926			
		DCC:		DCC:		DCC:			
		CWC:		CWC:		CWC:			
		Others:		Others:		Others:			
		TOTAL: 1,209,500		TOTAL: 37,670		TOTAL: 627,926			

<b>DEFAULT DATUM / ELEVATION</b> RKB/RT / 2,547.0 (ft)		<b>LAST SAFETY MEETING</b> 3/16/2012		<b>BLOCK</b>		<b>OCSG#</b>		<b>TARGET FORMATION</b> GRAYBURG		<b>BHA HRS OF SERVICE</b> 22.00
<b>LAST SURVEY</b>				<b>LAST CSG SHOE TEST (EMW)</b>		<b>LAST CASING</b>		<b>NEXT CASING</b>		
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**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-16-2012
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<b>API #</b> 4210335972 00	<b>24 HRS PROG</b> 286.0 (ft)	<b>TMD</b> 2,603.0 (ft)	<b>TVD</b> 2,593.0 (ft)	<b>REPT NO</b> 18
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**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
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LCM: 0.0	<b>MUD PROPERTIES</b>						MUD TYPE: BRINE
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VIS (s/qt)	PV/YP (cp) / (lbf/100ft <sup>2</sup> )	GELS (lbf/100ft <sup>2</sup> )	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
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
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BHA	5	JAR S/N		<b>BHA / HOLE CONDITIONS</b>				JAR HRS		BIT	5
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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					SPR		
STROKE	SPM	LINER	FLOW RATE	SPP: 1360 (psi)	SPM		PPSR
# 1	10.00	107.00	6.500	438.1	AV(DP):		
				AV(DC):			
				HP: 0.747 (hp/in <sup>2</sup> )			



**APACHE CORPORATION**  
**Daily Drilling Report**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-17-2012
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<b>API #</b> 4210335972 00	<b>24 HRS PROG</b> 340.0 (ft)	<b>TMD</b> 2,943.0 (ft)	<b>TVD</b> 2,859.1 (ft)	<b>REPT NO</b> 19
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<b>RIG NAME NO</b> CAPSTAR 119	<b>FIELD NAME</b> DUNE	<b>AUTH TMD</b> 7,654.00 (ft)	<b>PLANNED DOW</b> 16.00 (days)	<b>DFS / KO</b> 8.38 (days)	<b>DOL</b> 12.75 (days)
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<b>SPUD DATE</b> 03-09-2012 15:00	<b>RIG RELEASE</b>	<b>SUPERVISOR</b> JAMES W. GARDNER (432)-254-6606	<b>ENGINEER</b> ROBERT CLARY	<b>PBTMD</b>
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<b>REGION</b> PERMIAN	<b>DISTRICT</b> NOTREES - TX CZ	<b>STATE / PROV</b> TEXAS	<b>COUNTY / PARISH</b> CRANE	<b>RIG PHONE NO</b> 281-532-5388	<b>RIG FAX NO</b> 432-818-1198
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<b>AFE # PA-12-0031-D</b>	<b>AFE COSTS</b>	<b>DAILY COSTS</b>	<b>CUMULATIVE COSTS</b>
<b>DESCRIPTION:</b> DRL HORIZ GRAYBURG WELL 3008' TVD; 7654' MD	DHC: 1,209,500 DCC: CWC: Others: TOTAL: 1,209,500	DHC: 33,429 DCC: CWC: Others: TOTAL: 33,429	DHC: 661,355 DCC: CWC: Others: TOTAL: 661,355

<b>DEFAULT DATUM / ELEVATION</b> RKB/RT / 2,547.0 (ft)	<b>LAST SAFETY MEETING</b> 3/17/2012	<b>BLOCK</b>	<b>OCSG#</b>	<b>TARGET FORMATION</b> GRAYBURG	<b>BHA HRS OF SERVICE</b> 46.00
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<b>LAST SURVEY</b>	<b>LAST CSG SHOE TEST (EMW)</b>	<b>LAST CASING</b>	<b>NEXT CASING</b>
<b>MD</b> 2,952.00 (ft) <b>INC</b> 51.30° <b>AZM</b> 166.50°		13.375 in @ 1,000.0 ft	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
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**APACHE CORPORATION**  
**Daily Drilling Report**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-17-2012
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<b>API #</b> 4210335972 00	<b>24 HRS PROG</b> 340.0 (ft)	<b>TMD</b> 2,943.0 (ft)	<b>TVD</b> 2,859.1 (ft)	<b>REPT NO</b> 19
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LCM: 0.0	<b>MUD PROPERTIES</b>						MUD TYPE: BRINE					
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VIS (s/qt)	PV/YP (cp) / (lb/100ft <sup>2</sup> )	GELS (lb/100ft <sup>2</sup> )	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	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
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BHA	5	JAR S/N		<b>BHA / HOLE CONDITIONS</b>				JAR HRS		BIT	5
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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					SPR		
STROKE	SPM	LINER	FLOW RATE	SPP: 1330 (psi)			
# 1	10.00	105.00	429.9	AV(DP):		SPM	PPSR
				AV(DC):			
				HP: 0.706 (hp/in <sup>2</sup> )			

**PERSONNEL DATA**

COMPANY	QTY	HRS	COMPANY	QTY	HRS
CAPSTAR DRILLING Inc. PUSHER	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**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-18-2012
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<b>API #</b> 4210335972 00	<b>24 HRS PROG</b> 9.0 (ft)	<b>TMD</b> 2,952.0 (ft)	<b>TVD</b> 2,864.7 (ft)	<b>REPT NO</b> 20
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<b>RIG NAME NO</b> CAPSTAR 119	<b>FIELD NAME</b> DUNE	<b>AUTH TMD</b> 7,654.00 (ft)	<b>PLANNED DOW</b> 16.00 (days)	<b>DFS / KO</b> 9.38 (days)	<b>DOL</b> 13.75 (days)
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<b>SPUD DATE</b> 03-09-2012 15:00	<b>RIG RELEASE</b>	<b>SUPERVISOR</b> JAMES W. GARDNER (432)-254-6606	<b>ENGINEER</b> ROBERT CLARY	<b>PBTMD</b>
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<b>REGION</b> PERMIAN	<b>DISTRICT</b> NOTREES - TX CZ	<b>STATE / PROV</b> TEXAS	<b>COUNTY / PARISH</b> CRANE	<b>RIG PHONE NO</b> 281-532-5388	<b>RIG FAX NO</b> 432-818-1198
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<b>AFE # PA-12-0031-D</b>	<b>AFE COSTS</b>	<b>DAILY COSTS</b>	<b>CUMULATIVE COSTS</b>
<b>DESCRIPTION:</b> 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

<b>DEFAULT DATUM / ELEVATION</b> RKB/RT / 2,547.0 (ft)	<b>LAST SAFETY MEETING</b> 3/18/2012	<b>BLOCK</b>	<b>OCSG#</b>	<b>TARGET FORMATION</b> GRAYBURG	<b>BHA HRS OF SERVICE</b> 46.50
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<b>LAST SURVEY</b> MD 2,952.00 (ft) INC 51.30° AZM 166.50°	<b>LAST CSG SHOE TEST (EMW)</b>	<b>LAST CASING</b> 13.375 in @ 1,000.0 ft	<b>NEXT CASING</b> 8.625 in @ 2,950.0 ft
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**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 BBL 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**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-18-2012
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<b>API #</b> 4210335972 00	<b>24 HRS PROG</b> 9.0 (ft)	<b>TMD</b> 2,952.0 (ft)	<b>TVD</b> 2,864.7 (ft)	<b>REPT NO</b> 20
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**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
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LCM: 0.0	<b>MUD PROPERTIES</b>				MUD TYPE: BRINE
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VIS (s/qt)	PV/YP (cp) / (lbf/100ft <sup>2</sup> )	GELS (lbf/100ft <sup>2</sup> )	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	0.00	CUM COST	3377	%OIL	0.00	% H2O	0.00
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BHA	5	JAR S/N		<b>BHA / HOLE CONDITIONS</b>				JAR HRS		BIT	
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BHA WT BELOW JARS	STRING WT UP	STRING WT DN	STRING WT ROT	TORQUE/UNITS	BHA LENGTH
(kip)	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: 1330 (psi)	SPR	
STROKE	SPM	LINER	FLOW RATE	AV(DP):	SPM	PPSR
# 1	10.00	105.00	429.9	AV(DC):		
				HP: 0.706 (hp/in <sup>2</sup> )		

**PERSONNEL DATA**

COMPANY	QTY	HRS	COMPANY	QTY	HRS
TOTAL ENERGY SERVICES	1	24.00	CAPSTAR DRILLING Inc. PUSHHER	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**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-19-2012
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<b>API #</b> 4210335972 00	<b>24 HRS PROG</b> (ft)	<b>TMD</b> 2,952.0 (ft)	<b>TVD</b> 2,864.7 (ft)	<b>REPT NO</b> 21
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<b>RIG NAME NO</b> CAPSTAR 119	<b>FIELD NAME</b> DUNE	<b>AUTH TMD</b> 7,654.00 (ft)	<b>PLANNED DOW</b> 16.00 (days)	<b>DFS / KO</b> 10.38 (days)	<b>DOL</b> 14.75 (days)
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<b>SPUD DATE</b> 03-09-2012 15:00	<b>RIG RELEASE</b>	<b>SUPERVISOR</b> JAMES W. GARDNER (432)-254-6606	<b>ENGINEER</b> ROBERT CLARY	<b>PBTMD</b>
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<b>REGION</b> PERMIAN	<b>DISTRICT</b> NOTREES - TX CZ	<b>STATE / PROV</b> TEXAS	<b>COUNTY / PARISH</b> CRANE	<b>RIG PHONE NO</b> 281-532-5388	<b>RIG FAX NO</b> 432-818-1198
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<b>AFE # PA-12-0031-D</b>	<b>AFE COSTS</b>	<b>DAILY COSTS</b>	<b>CUMULATIVE COSTS</b>
<b>DESCRIPTION:</b> 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

<b>DEFAULT DATUM / ELEVATION</b> RKB/RT / 2,547.0 (ft)	<b>LAST SAFETY MEETING</b> 3/19/2012	<b>BLOCK</b>	<b>OCSG#</b>	<b>TARGET FORMATION</b> GRAYBURG	<b>BHA HRS OF SERVICE</b> 0.00
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<b>LAST SURVEY</b> MD 2,952.00 (ft) INC 51.30° AZM 166.50°	<b>LAST CSG SHOE TEST (EMW)</b>	<b>LAST CASING</b> 13.375 in @ 1,000.0 ft	<b>NEXT CASING</b> 8.625 in @ 2,950.0 ft
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**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**

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

RPV: 0.33rev/gal	ROTARY CURRENT:	TOTAL RPM:
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LCM: 0.0	<b>MUD PROPERTIES</b>				MUD TYPE: BRINE
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VIS (s/qt)	PV/YP (cp) / (lbf/100ft <sup>2</sup> )	GELS (lbf/100ft <sup>2</sup> )	WL/HTHP (cc/30min)	FC/T.SOL (32nd") / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
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	% H2O	0.00
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BHA	6	JAR S/N		<b>BHA / HOLE CONDITIONS</b>				JAR HRS		BIT	6
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BHA WT BELOW JARS (kip)	STRING WT UP (kip)	STRING WT DN (kip)	STRING WT ROT (kip)	TORQUE/UNITS (ft-lbf)	BHA LENGTH (ft)
					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					SPR		
STROKE	SPM	LINER	FLOW RATE	SPP:	SPM	PPSR	
				AV(DP):			
				AV(DC):			
				HP:			

**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	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
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**APACHE CORPORATION**  
**Daily Drilling Report**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-20-2012
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<b>API #</b> 4210335972 00	<b>24 HRS PROG</b> 474.0 (ft)	<b>TMD</b> 3,426.0 (ft)	<b>TVD</b> 3,024.4 (ft)	<b>REPT NO</b> 22
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<b>RIG NAME NO</b> CAPSTAR 119	<b>FIELD NAME</b> DUNE	<b>AUTH TMD</b> 7,654.00 (ft)	<b>PLANNED DOW</b> 16.00 (days)	<b>DFS / KO</b> 11.38 (days)	<b>DOL</b> 15.75 (days)
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<b>SPUD DATE</b> 03-09-2012 15:00	<b>RIG RELEASE</b>	<b>SUPERVISOR</b> JAMES W. GARDNER (432)-254-6606	<b>ENGINEER</b> ROBERT CLARY	<b>PBTMD</b>
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<b>REGION</b> PERMIAN	<b>DISTRICT</b> NOTREES - TX CZ	<b>STATE / PROV</b> TEXAS	<b>COUNTY / PARISH</b> CRANE	<b>RIG PHONE NO</b> 281-532-5388	<b>RIG FAX NO</b> 432-818-1198
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<b>AFE # PA-12-0031-D</b>	<b>AFE COSTS</b>	<b>DAILY COSTS</b>	<b>CUMULATIVE COSTS</b>
<b>DESCRIPTION:</b> 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

<b>DEFAULT DATUM / ELEVATION</b> RKB/RT / 2,547.0 (ft)	<b>LAST SAFETY MEETING</b> 3/20/2012	<b>BLOCK</b>	<b>OCSG#</b>	<b>TARGET FORMATION</b> GRAYBURG	<b>BHA HRS OF SERVICE</b> 22.00
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<b>LAST SURVEY</b>	<b>LAST CSG SHOE TEST (EMW)</b>	<b>LAST CASING</b>	<b>NEXT CASING</b>
<b>MD</b> 3,329.00 (ft) <b>INC</b> 81.30° <b>AZM</b> 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
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**APACHE CORPORATION**  
**Daily Drilling Report**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-20-2012
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<b>API #</b> 4210335972 00	<b>24 HRS PROG</b> 474.0 (ft)	<b>TMD</b> 3,426.0 (ft)	<b>TVD</b> 3,024.4 (ft)	<b>REPT NO</b> 22
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LCM: 0.0	<b>MUD PROPERTIES</b>						MUD TYPE: BRINE
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VIS (s/qt)	PV/YP (cp) / (lb/100ft <sup>2</sup> )	GELS (lb/100ft <sup>2</sup> )	WL/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	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	% H2O	0.00
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BHA	6	JAR S/N		<b>BHA / HOLE CONDITIONS</b>				JAR HRS		BIT	6
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<b>BHA WT BELOW JARS</b>	<b>STRING WT UP</b>	<b>STRING WT DN</b>	<b>STRING WT ROT</b>	<b>TORQUE/UNITS</b>	<b>BHA LENGTH</b>
(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				

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

**PERSONNEL DATA**

COMPANY	QTY	HRS	COMPANY	QTY	HRS
TOTAL ENERGY SERVICES	1	24.00	CAPSTAR DRILLING Inc. PUSHER	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**  
**Daily Drilling Report**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-21-2012
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<b>API #</b> 4210335972 00	<b>24 HRS PROG</b> 823.0 (ft)	<b>TMD</b> 4,249.0 (ft)	<b>TVD</b> 2,994.1 (ft)	<b>REPT NO</b> 23
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<b>RIG NAME NO</b> CAPSTAR 119	<b>FIELD NAME</b> DUNE	<b>AUTH TMD</b> 7,654.00 (ft)	<b>PLANNED DOW</b> 16.00 (days)	<b>DFS / KO</b> 12.38 (days)	<b>DOL</b> 16.75 (days)
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<b>SPUD DATE</b> 03-09-2012 15:00	<b>RIG RELEASE</b>	<b>SUPERVISOR</b> JAMES W. GARDNER (432)-254-6606	<b>ENGINEER</b> ROBERT CLARY	<b>PBTMD</b>
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<b>REGION</b> PERMIAN	<b>DISTRICT</b> NOTREES - TX CZ	<b>STATE / PROV</b> TEXAS	<b>COUNTY / PARISH</b> CRANE	<b>RIG PHONE NO</b> 281-532-5388	<b>RIG FAX NO</b> 432-818-1198
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<b>AFE # PA-12-0031-D</b>	<b>AFE COSTS</b>	<b>DAILY COSTS</b>	<b>CUMULATIVE COSTS</b>
<b>DESCRIPTION:</b> 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

<b>DEFAULT DATUM / ELEVATION</b> RKB/RT / 2,547.0 (ft)	<b>LAST SAFETY MEETING</b> 3/21/2012	<b>BLOCK</b>	<b>OCSG#</b>	<b>TARGET FORMATION</b> GRAYBURG	<b>BHA HRS OF SERVICE</b> 45.50
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<b>LAST SURVEY</b>	<b>LAST CSG SHOE TEST (EMW)</b>	<b>LAST CASING</b>	<b>NEXT CASING</b>
<b>MD</b> 4,227.00 (ft) <b>INC</b> 90.60° <b>AZM</b> 165.90°		8.625 in @ 2,952.0 ft	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
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**APACHE CORPORATION**  
**Daily Drilling Report**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-21-2012
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<b>API #</b> 4210335972 00	<b>24 HRS PROG</b> 823.0 (ft)	<b>TMD</b> 4,249.0 (ft)	<b>TVD</b> 2,994.1 (ft)	<b>REPT NO</b> 23
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LCM: 0.0	<b>MUD PROPERTIES</b>						MUD TYPE: BRINE					
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VIS (s/qt)	PV/YP (cp) / (lbf/100ft <sup>2</sup> )	GELS (lbf/100ft <sup>2</sup> )	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	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	% H2O	0.00
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BHA	6	JAR S/N		<b>BHA / HOLE CONDITIONS</b>				JAR HRS		BIT	6
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BHA WT BELOW JARS	STRING WT UP	STRING WT DN	STRING WT ROT	TORQUE/UNITS	BHA LENGTH
(kip)	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	SPP:	AV(DP):	SPM	PPSR
# 2	10.00	105.00	6.500	429.9	1500 (psi)		
					AV(DC):		
					HP: 0.909 (hp/in <sup>2</sup> )		



**APACHE CORPORATION**  
**Daily Drilling Report**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-22-2012
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<b>API #</b> 4210335972 00	<b>24 HRS PROG</b> 674.0 (ft)	<b>TMD</b> 4,923.0 (ft)	<b>TVD</b> 2,992.4 (ft)	<b>REPT NO</b> 24
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<b>RIG NAME NO</b> CAPSTAR 119	<b>FIELD NAME</b> DUNE	<b>AUTH TMD</b> 7,654.00 (ft)	<b>PLANNED DOW</b> 16.00 (days)	<b>DFS / KO</b> 13.38 (days)	<b>DOL</b> 17.75 (days)
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<b>SPUD DATE</b> 03-09-2012 15:00	<b>RIG RELEASE</b>	<b>SUPERVISOR</b> JAMES W. GARDNER (432)-254-6606	<b>ENGINEER</b> ROBERT CLARY	<b>PBTMD</b>
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<b>REGION</b> PERMIAN	<b>DISTRICT</b> NOTREES - TX CZ	<b>STATE / PROV</b> TEXAS	<b>COUNTY / PARISH</b> CRANE	<b>RIG PHONE NO</b> 281-532-5388	<b>RIG FAX NO</b> 432-818-1198
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<b>AFE # PA-12-0031-D</b>	<b>AFE COSTS</b>	<b>DAILY COSTS</b>	<b>CUMULATIVE COSTS</b>
<b>DESCRIPTION:</b> 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

<b>DEFAULT DATUM / ELEVATION</b> RKB/RT / 2,547.0 (ft)	<b>LAST SAFETY MEETING</b> 3/22/2012	<b>BLOCK</b>	<b>OCSG#</b>	<b>TARGET FORMATION</b> GRAYBURG	<b>BHA HRS OF SERVICE</b> 61.50
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<b>LAST SURVEY</b>	<b>LAST CSG SHOE TEST (EMW)</b>	<b>LAST CASING</b>	<b>NEXT CASING</b>
<b>MD</b> 4,914.00 (ft) <b>INC</b> 89.00° <b>AZM</b> 165.40°		8.625 in @ 2,952.0 ft	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**  
**Daily Drilling Report**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-22-2012
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<b>API #</b> 4210335972 00	<b>24 HRS PROG</b> 674.0 (ft)	<b>TMD</b> 4,923.0 (ft)	<b>TVD</b> 2,992.4 (ft)	<b>REPT NO</b> 24
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LCM: 0.0	<b>MUD PROPERTIES</b>						MUD TYPE: BRINE					
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VIS (s/qt)	PV/YP (cp) / (lb/100ft <sup>2</sup> )	GELS (lb/100ft <sup>2</sup> )	WL/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	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	% H2O	0.00
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BHA	7	JAR S/N		<b>BHA / HOLE CONDITIONS</b>				JAR HRS		BIT	7
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<b>BHA WT BELOW JARS</b>	<b>STRING WT UP</b>	<b>STRING WT DN</b>	<b>STRING WT ROT</b>	<b>TORQUE/UNITS</b>	<b>BHA LENGTH</b>
(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				

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

**PERSONNEL DATA**

COMPANY	QTY	HRS	COMPANY	QTY	HRS
CAPSTAR DRILLING Inc. PUSHER	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**  
**Daily Drilling Report**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-23-2012
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<b>API #</b> 4210335972 00	<b>24 HRS PROG</b> 656.0 (ft)	<b>TMD</b> 5,579.0 (ft)	<b>TVD</b> 2,995.3 (ft)	<b>REPT NO</b> 25
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<b>RIG NAME NO</b> CAPSTAR 119	<b>FIELD NAME</b> DUNE	<b>AUTH TMD</b> 7,654.00 (ft)	<b>PLANNED DOW</b> 16.00 (days)	<b>DFS / KO</b> 14.38 (days)	<b>DOL</b> 18.75 (days)
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<b>SPUD DATE</b> 03-09-2012 15:00	<b>RIG RELEASE</b>	<b>SUPERVISOR</b> JAMES W. GARDNER (432)-254-6606	<b>ENGINEER</b> ROBERT CLARY	<b>PBTMD</b>
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<b>REGION</b> PERMIAN	<b>DISTRICT</b> NOTREES - TX CZ	<b>STATE / PROV</b> TEXAS	<b>COUNTY / PARISH</b> CRANE	<b>RIG PHONE NO</b> 281-532-5388	<b>RIG FAX NO</b> 432-818-1198
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<b>AFE # PA-12-0031-D</b>	<b>AFE COSTS</b>	<b>DAILY COSTS</b>	<b>CUMULATIVE COSTS</b>
<b>DESCRIPTION:</b> 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

<b>DEFAULT DATUM / ELEVATION</b> RKB/RT / 2,547.0 (ft)	<b>LAST SAFETY MEETING</b> 3/23/2012	<b>BLOCK</b>	<b>OCSG#</b>	<b>TARGET FORMATION</b> GRAYBURG	<b>BHA HRS OF SERVICE</b> 78.00
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<b>LAST SURVEY</b>	<b>LAST CSG SHOE TEST (EMW)</b>	<b>LAST CASING</b>	<b>NEXT CASING</b>
<b>MD</b> 5,558.00 (ft) <b>INC</b> 90.20° <b>AZM</b> 166.10°		8.625 in @ 2,952.0 ft	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
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**APACHE CORPORATION**  
**Daily Drilling Report**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-23-2012
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<b>API #</b> 4210335972 00	<b>24 HRS PROG</b> 656.0 (ft)	<b>TMD</b> 5,579.0 (ft)	<b>TVD</b> 2,995.3 (ft)	<b>REPT NO</b> 25
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LCM: 0.0	<b>MUD PROPERTIES</b>						MUD TYPE: BRINE					
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VIS (s/qt)	PV/YP (cp) / (lb/100ft <sup>2</sup> )	GELS (lb/100ft <sup>2</sup> )	WL/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	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	% H2O	0.00
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BHA	7	JAR S/N		<b>BHA / HOLE CONDITIONS</b>				JAR HRS		BIT	7
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<b>BHA WT BELOW JARS</b>	<b>STRING WT UP</b>	<b>STRING WT DN</b>	<b>STRING WT ROT</b>	<b>TORQUE/UNITS</b>	<b>BHA LENGTH</b>
(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)	<b>SPR</b>		
	<b>STROKE</b>	<b>SPM</b>	<b>LINER</b>	<b>FLOW RATE</b>	AV(DP):		
# 2	10.00	105.00	6.500	429.9	AV(DC):		
				HP: 0.791 (hp/in <sup>2</sup> )		<b>SPM</b>	<b>PPSR</b>

**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	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**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-24-2012
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<b>API #</b> 4210335972 00	<b>24 HRS PROG</b> 743.0 (ft)	<b>TMD</b> 6,322.0 (ft)	<b>TVD</b> 3,002.9 (ft)	<b>REPT NO</b> 26
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<b>RIG NAME NO</b> CAPSTAR 119	<b>FIELD NAME</b> DUNE	<b>AUTH TMD</b> 7,654.00 (ft)	<b>PLANNED DOW</b> 16.00 (days)	<b>DFS / KO</b> 15.38 (days)	<b>DOL</b> 19.75 (days)
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<b>SPUD DATE</b> 03-09-2012 15:00	<b>RIG RELEASE</b>	<b>SUPERVISOR</b> JAMES W. GARDNER (432)-254-6606	<b>ENGINEER</b> ROBERT CLARY	<b>PBTMD</b>
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<b>REGION</b> PERMIAN	<b>DISTRICT</b> NOTREES - TX CZ	<b>STATE / PROV</b> TEXAS	<b>COUNTY / PARISH</b> CRANE	<b>RIG PHONE NO</b> 281-532-5388	<b>RIG FAX NO</b> 432-818-1198
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<b>AFE # PA-12-0031-D</b>	<b>AFE COSTS</b>	<b>DAILY COSTS</b>	<b>CUMULATIVE COSTS</b>
<b>DESCRIPTION:</b> 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

<b>DEFAULT DATUM / ELEVATION</b> RKB/RT / 2,547.0 (ft)	<b>LAST SAFETY MEETING</b> 3/24/2012	<b>BLOCK</b>	<b>OCSG#</b>	<b>TARGET FORMATION</b> GRAYBURG	<b>BHA HRS OF SERVICE</b>
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<b>LAST SURVEY</b>	<b>LAST CSG SHOE TEST (EMW)</b>	<b>LAST CASING</b>	<b>NEXT CASING</b>
<b>MD</b> 6,002.00 (ft) <b>INC</b> 89.10° <b>AZM</b> 164.50°		8.625 in @ 2,952.0 ft	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
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**APACHE CORPORATION**  
**Daily Drilling Report**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-24-2012
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<b>API #</b> 4210335972 00	<b>24 HRS PROG</b> 743.0 (ft)	<b>TMD</b> 6,322.0 (ft)	<b>TVD</b> 3,002.9 (ft)	<b>REPT NO</b> 26
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LCM: 0.0	<b>MUD PROPERTIES</b>						MUD TYPE: BRINE					
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VIS (s/qt)	PV/YP (cp) / (lb/100ft <sup>2</sup> )	GELS (lb/100ft <sup>2</sup> )	WL/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	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	% H2O	0.00
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BHA	7	JAR S/N		<b>BHA / HOLE CONDITIONS</b>				JAR HRS		BIT	7
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<b>BHA WT BELOW JARS</b>	<b>STRING WT UP</b>	<b>STRING WT DN</b>	<b>STRING WT ROT</b>	<b>TORQUE/UNITS</b>	<b>BHA LENGTH</b>
(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	429.9	AV(DC):		
				HP: 0.791 (hp/in <sup>2</sup> )		

**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	997	3960				



**APACHE CORPORATION**  
**Daily Drilling Report**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-25-2012
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<b>API #</b> 4210335972 00	<b>24 HRS PROG</b> 326.0 (ft)	<b>TMD</b> 6,648.0 (ft)	<b>TVD</b> 2,989.8 (ft)	<b>REPT NO</b> 27
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<b>RIG NAME NO</b> CAPSTAR 119	<b>FIELD NAME</b> DUNE	<b>AUTH TMD</b> 7,654.00 (ft)	<b>PLANNED DOW</b> 16.00 (days)	<b>DFS / KO</b> 16.38 (days)	<b>DOL</b> 20.75 (days)
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<b>SPUD DATE</b> 03-09-2012 15:00	<b>RIG RELEASE</b>	<b>SUPERVISOR</b> JAMES W. GARDNER (432)-254-6606	<b>ENGINEER</b> ROBERT CLARY	<b>PBTMD</b>
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<b>REGION</b> PERMIAN	<b>DISTRICT</b> NOTREES - TX CZ	<b>STATE / PROV</b> TEXAS	<b>COUNTY / PARISH</b> CRANE	<b>RIG PHONE NO</b> 281-532-5388	<b>RIG FAX NO</b> 432-818-1198
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<b>AFE # PA-12-0031-D</b>	<b>AFE COSTS</b>	<b>DAILY COSTS</b>	<b>CUMULATIVE COSTS</b>
<b>DESCRIPTION:</b> 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

<b>DEFAULT DATUM / ELEVATION</b> RKB/RT / 2,547.0 (ft)	<b>LAST SAFETY MEETING</b> 3/25/2012	<b>BLOCK</b>	<b>OCSG#</b>	<b>TARGET FORMATION</b> GRAYBURG	<b>BHA HRS OF SERVICE</b>
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<b>LAST SURVEY</b>	<b>LAST CSG SHOE TEST (EMW)</b>	<b>LAST CASING</b>	<b>NEXT CASING</b>
<b>MD</b> 6,619.00 (ft) <b>INC</b> 91.70° <b>AZM</b> 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**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-25-2012
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<b>API #</b> 4210335972 00	<b>24 HRS PROG</b> 326.0 (ft)	<b>TMD</b> 6,648.0 (ft)	<b>TVD</b> 2,989.8 (ft)	<b>REPT NO</b> 27
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**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
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LCM: 0.0	<b>MUD PROPERTIES</b>				MUD TYPE: BRINE
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VIS (s/qt)	PV/YP (cp) / (lbf/100ft <sup>2</sup> )	GELS (lbf/100ft <sup>2</sup> )	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	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
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BHA	7	JAR S/N		<b>BHA / HOLE CONDITIONS</b>				JAR HRS		BIT	7
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BHA WT BELOW JARS	STRING WT UP	STRING WT DN	STRING WT ROT	TORQUE/UNITS	BHA LENGTH
(kip)	100.0 (kip)	50.0 (kip)	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 <sup>2</sup> )			



**APACHE CORPORATION**  
**Daily Drilling Report**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-26-2012
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<b>API #</b> 4210335972 00	<b>24 HRS PROG</b> 955.0 (ft)	<b>TMD</b> 7,603.0 (ft)	<b>TVD</b> 2,961.5 (ft)	<b>REPT NO</b> 28
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<b>RIG NAME NO</b> CAPSTAR 119	<b>FIELD NAME</b> DUNE	<b>AUTH TMD</b> 7,654.00 (ft)	<b>PLANNED DOW</b> 16.00 (days)	<b>DFS / KO</b> 17.38 (days)	<b>DOL</b> 21.75 (days)
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<b>SPUD DATE</b> 03-09-2012 15:00	<b>RIG RELEASE</b>	<b>SUPERVISOR</b> JAMES W. GARDNER (432)-254-6606	<b>ENGINEER</b> ROBERT CLARY	<b>PBTMD</b>
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<b>REGION</b> PERMIAN	<b>DISTRICT</b> NOTREES - TX CZ	<b>STATE / PROV</b> TEXAS	<b>COUNTY / PARISH</b> CRANE	<b>RIG PHONE NO</b> 281-532-5388	<b>RIG FAX NO</b> 432-818-1198
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<b>AFE # PA-12-0031-D</b>	<b>AFE COSTS</b>	<b>DAILY COSTS</b>	<b>CUMULATIVE COSTS</b>
<b>DESCRIPTION:</b> 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

<b>DEFAULT DATUM / ELEVATION</b> RKB/RT / 2,547.0 (ft)	<b>LAST SAFETY MEETING</b> 3/26/2012	<b>BLOCK</b>	<b>OCSG#</b>	<b>TARGET FORMATION</b> GRAYBURG	<b>BHA HRS OF SERVICE</b>
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<b>LAST SURVEY</b>	<b>LAST CSG SHOE TEST (EMW)</b>	<b>LAST CASING</b>	<b>NEXT CASING</b>
<b>MD</b> 6,619.00 (ft) <b>INC</b> 91.70° <b>AZM</b> 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:	<b>MUD PROPERTIES</b>	
		MUD TYPE: BRINE

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

Density (ppg)	10.00	PP	DAILY COST	859.99	CUM COST	14,463	%OIL	% H2O
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BHA	7	JAR S/N	<b>BHA / HOLE CONDITIONS</b>				JAR HRS	BIT	7
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<b>BHA WT BELOW JARS</b>	<b>STRING WT UP</b>	<b>STRING WT DN</b>	<b>STRING WT ROT</b>	<b>TORQUE/UNITS</b>	<b>BHA LENGTH</b>
(kip)	(kip)	(kip)	(kip)	(ft-lbf)	92.98 (ft)



**APACHE CORPORATION**  
**Daily Drilling Report**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-26-2012
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<b>API #</b> 4210335972 00	<b>24 HRS PROG</b> 955.0 (ft)	<b>TMD</b> 7,603.0 (ft)	<b>TVD</b> 2,961.5 (ft)	<b>REPT NO</b> 28
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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. PUSHHER	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**

<b>INCIDENTS TYPE</b> NONE	<b>LOST TIME?</b> NO	<b>INCIDENTS DESCRIPTION</b>
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**MUD INVENTORY**

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



**APACHE CORPORATION**  
**Daily Drilling Report**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-27-2012
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<b>API #</b> 4210335972 00	<b>24 HRS PROG</b> (ft)	<b>TMD</b> 7,603.0 (ft)	<b>TVD</b> 2,961.5 (ft)	<b>REPT NO</b> 29
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<b>RIG NAME NO</b> CAPSTAR 119	<b>FIELD NAME</b> DUNE	<b>AUTH TMD</b> 7,654.00 (ft)	<b>PLANNED DOW</b> 16.00 (days)	<b>DFS / KO</b> 18.38 (days)	<b>DOL</b> 22.75 (days)
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<b>SPUD DATE</b> 03-09-2012 15:00	<b>RIG RELEASE</b>	<b>SUPERVISOR</b> JOE BARRERA 806-781-4306	<b>ENGINEER</b> ROBERT CLARY	<b>PBTMD</b>
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<b>REGION</b> PERMIAN	<b>DISTRICT</b> NOTREES - TX CZ	<b>STATE / PROV</b> TEXAS	<b>COUNTY / PARISH</b> CRANE	<b>RIG PHONE NO</b> 281-532-5388	<b>RIG FAX NO</b> 432-818-1198
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<b>AFE # PA-12-0031-D</b>	<b>AFE COSTS</b>	<b>DAILY COSTS</b>	<b>CUMULATIVE COSTS</b>
<b>DESCRIPTION:</b> 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

<b>DEFAULT DATUM / ELEVATION</b> RKB/RT / 2,547.0 (ft)	<b>LAST SAFETY MEETING</b> 3/27/2012	<b>BLOCK</b>	<b>OCSG#</b>	<b>TARGET FORMATION</b> GRAYBURG	<b>BHA HRS OF SERVICE</b>
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<b>LAST SURVEY</b>	<b>LAST CSG SHOE TEST (EMW)</b>	<b>LAST CASING</b>	<b>NEXT CASING</b>
<b>MD</b> 6,619.00 (ft) <b>INC</b> 91.70° <b>AZM</b> 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**

<b>RPV:</b> 0.33rev/gal	<b>ROTARY CURRENT:</b>	<b>TOTAL RPM:</b>
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**APACHE CORPORATION**  
**Daily Drilling Report**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-27-2012
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<b>API #</b> 4210335972 00	<b>24 HRS PROG</b> (ft)	<b>TMD</b> 7,603.0 (ft)	<b>TVD</b> 2,961.5 (ft)	<b>REPT NO</b> 29
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LCM:	<b>MUD PROPERTIES</b>						MUD TYPE: BRINE
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VIS (s/qt)	PV/YP (cp) / (lbf/100ft <sup>2</sup> )	GELS (lbf/100ft <sup>2</sup> )	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	3,007.12	CUM COST	17,470	%OIL	% H2O
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BHA	7	JAR S/N	<b>BHA / HOLE CONDITIONS</b>				JAR HRS	BIT
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<b>BHA WT BELOW JARS</b>	<b>STRING WT UP</b>	<b>STRING WT DN</b>	<b>STRING WT ROT</b>	<b>TORQUE/UNITS</b>	<b>BHA LENGTH</b>
(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):	SPM	PPSR
				AV(DC):		
				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	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
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**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**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-28-2012
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<b>API #</b> 4210335972 00	<b>24 HRS PROG</b> (ft)	<b>TMD</b> 7,603.0 (ft)	<b>TVD</b> 2,961.5 (ft)	<b>REPT NO</b> 30
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<b>BHA</b>	8	<b>JAR S/N</b>		<b>BHA / HOLE CONDITIONS</b>			<b>JAR HRS</b>		<b>BIT</b>	8
<b>BHA WT BELOW JARS</b>		<b>STRING WT UP</b>		<b>STRING WT DN</b>		<b>STRING WT ROT</b>		<b>TORQUE/UNITS</b>		<b>BHA LENGTH</b>
(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				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	LOST TIME? NO	INCIDENTS DESCRIPTION
NONE		

MUD INVENTORY				
ITEM	UNIT	USAGE	Day Cost (\$)	ON HAND
DRLG MUD			0.00	-3,594.00



**APACHE CORPORATION**  
**Daily Drilling Report**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-29-2012
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<b>API #</b> 4210335972 00	<b>24 HRS PROG</b> (ft)	<b>TMD</b> 7,603.0 (ft)	<b>TVD</b> 2,961.5 (ft)	<b>REPT NO</b> 31
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<b>RIG NAME NO</b> CAPSTAR 119	<b>FIELD NAME</b> DUNE	<b>AUTH TMD</b> 7,654.00 (ft)	<b>PLANNED DOW</b> 16.00 (days)	<b>DFS / KO</b> 20.38 (days)	<b>DOL</b> 24.75 (days)
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<b>SPUD DATE</b> 03-09-2012 15:00	<b>RIG RELEASE</b>	<b>SUPERVISOR</b> JOE BARRERA 806-781-4306	<b>ENGINEER</b> ROBERT CLARY	<b>PBTMD</b>
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<b>REGION</b> PERMIAN	<b>DISTRICT</b> NOTREES - TX CZ	<b>STATE / PROV</b> TEXAS	<b>COUNTY / PARISH</b> CRANE	<b>RIG PHONE NO</b> 281-532-5388	<b>RIG FAX NO</b> 432-818-1198
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<b>AFE # PA-12-0031-D</b>	<b>AFE COSTS</b>	<b>DAILY COSTS</b>	<b>CUMULATIVE COSTS</b>
<b>DESCRIPTION:</b> 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

<b>DEFAULT DATUM / ELEVATION</b> RKB/RT / 2,547.0 (ft)	<b>LAST SAFETY MEETING</b> 3/29/2012	<b>BLOCK</b>	<b>OCSG#</b>	<b>TARGET FORMATION</b> GRAYBURG	<b>BHA HRS OF SERVICE</b>
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<b>LAST SURVEY</b>	<b>LAST CSG SHOE TEST (EMW)</b>	<b>LAST CASING</b>	<b>NEXT CASING</b>
<b>MD</b> 6,619.00 (ft) <b>INC</b> 91.70° <b>AZM</b> 166.20°		8.625 in @ 2,952.0 ft	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:	<b>MUD PROPERTIES</b>	MUD TYPE: BRINE

VIS (s/qt)	PV/YP (cp) / (lbf/100ft <sup>2</sup> )	GELS (lbf/100ft <sup>2</sup> )	WL/HTHP (cc/30min)	FC/T.SOL (32nd" ) / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
29.00			104.8										

Density (ppg)	10.00	PP	DAILY COST	4,319.60	CUM COST	21,790	%OIL	% H2O
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BHA	8	JAR S/N	<b>BHA / HOLE CONDITIONS</b>	JAR HRS	BIT	8
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BHA WT BELOW JARS	STRING WT UP	STRING WT DN	STRING WT ROT	TORQUE/UNITS	BHA LENGTH
(kip)	(kip)	(kip)	(kip)	(ft-lbf)	84.15 (ft)



**APACHE CORPORATION**  
**Daily Drilling Report**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-29-2012
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<b>API #</b> 4210335972 00	<b>24 HRS PROG</b> (ft)	<b>TMD</b> 7,603.0 (ft)	<b>TVD</b> 2,961.5 (ft)	<b>REPT NO</b> 31
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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	SPP:	SPM	PPSR	
				AV(DP):			
				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

**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**

<b>INCIDENTS TYPE</b> NONE	<b>LOST TIME?</b> NO	<b>INCIDENTS DESCRIPTION</b>
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**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**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-30-2012
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<b>API #</b> 4210335972 00	<b>24 HRS PROG</b> (ft)	<b>TMD</b> 7,603.0 (ft)	<b>TVD</b> 2,961.5 (ft)	<b>REPT NO</b> 32
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<b>RIG NAME NO</b> CAPSTAR 119	<b>FIELD NAME</b> DUNE	<b>AUTH TMD</b> 7,654.00 (ft)	<b>PLANNED DOW</b> 16.00 (days)	<b>DFS / KO</b> 21.38 (days)	<b>DOL</b> 25.75 (days)
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<b>SPUD DATE</b> 03-09-2012 15:00	<b>RIG RELEASE</b>	<b>SUPERVISOR</b> JOE BARRERA 806-781-4306	<b>ENGINEER</b> ROBERT CLARY	<b>PBTMD</b>
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<b>REGION</b> PERMIAN	<b>DISTRICT</b> NOTREES - TX CZ	<b>STATE / PROV</b> TEXAS	<b>COUNTY / PARISH</b> CRANE	<b>RIG PHONE NO</b> 281-532-5388	<b>RIG FAX NO</b> 432-818-1198
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<b>AFE # PA-12-0031-D</b>	<b>AFE COSTS</b>	<b>DAILY COSTS</b>	<b>CUMULATIVE COSTS</b>
<b>DESCRIPTION:</b> 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

<b>DEFAULT DATUM / ELEVATION</b> RKB/RT / 2,547.0 (ft)	<b>LAST SAFETY MEETING</b> 3/30/2012	<b>BLOCK</b>	<b>OCSG#</b>	<b>TARGET FORMATION</b> GRAYBURG	<b>BHA HRS OF SERVICE</b>
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<b>LAST SURVEY</b>	<b>LAST CSG SHOE TEST (EMW)</b>	<b>LAST CASING</b>	<b>NEXT CASING</b>
<b>MD</b> 6,619.00 (ft) <b>INC</b> 91.70° <b>AZM</b> 166.20°		8.625 in @ 2,952.0 ft	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**

<b>RPV:</b>	<b>ROTARY CURRENT:</b>	<b>TOTAL RPM:</b>
<b>LCM:</b>	<b>MUD PROPERTIES</b>	
	<b>MUD TYPE:</b> BRINE	

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

<b>Density (ppg)</b>	10.00	<b>PP</b>	<b>DAILY COST</b>	1,885.13	<b>CUM COST</b>	23,675	<b>%OIL</b>	<b>% H2O</b>
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**APACHE CORPORATION**  
**Daily Drilling Report**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-30-2012
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<b>API #</b> 4210335972 00	<b>24 HRS PROG</b> (ft)	<b>TMD</b> 7,603.0 (ft)	<b>TVD</b> 2,961.5 (ft)	<b>REPT NO</b> 32
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<b>BHA</b> 9	<b>JAR S/N</b>	<b>BHA / HOLE CONDITIONS</b>			<b>JAR HRS</b>	<b>BIT</b> 9
<b>BHA WT BELOW JARS</b> (kip)	<b>STRING WT UP</b> (kip)	<b>STRING WT DN</b> (kip)	<b>STRING WT ROT</b> (kip)	<b>TORQUE/UNITS</b> (ft-lbf)	<b>BHA LENGTH</b> 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				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	LOST TIME? NO	INCIDENTS DESCRIPTION
NONE		

MUD INVENTORY				
ITEM	UNIT	USAGE	Day Cost (\$)	ON HAND
DRLG MUD		1,885.13	1,885.13	-3,594.00



**APACHE CORPORATION**  
**Daily Drilling Report**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-31-2012
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<b>API #</b> 4210335972 00	<b>24 HRS PROG</b> (ft)	<b>TMD</b> 7,603.0 (ft)	<b>TVD</b> 2,961.5 (ft)	<b>REPT NO</b> 33
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<b>RIG NAME NO</b> CAPSTAR 119	<b>FIELD NAME</b> DUNE	<b>AUTH TMD</b> 7,654.00 (ft)	<b>PLANNED DOW</b> 16.00 (days)	<b>DFS / KO</b> 22.38 (days)	<b>DOL</b> 26.75 (days)
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<b>SPUD DATE</b> 03-09-2012 15:00	<b>RIG RELEASE</b>	<b>SUPERVISOR</b> JOE BARRERA 806-781-4306	<b>ENGINEER</b> ROBERT CLARY	<b>PBTMD</b>
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<b>REGION</b> PERMIAN	<b>DISTRICT</b> NOTREES - TX CZ	<b>STATE / PROV</b> TEXAS	<b>COUNTY / PARISH</b> CRANE	<b>RIG PHONE NO</b> 281-532-5388	<b>RIG FAX NO</b> 432-818-1198
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<b>AFE # PA-12-0031-D</b>	<b>AFE COSTS</b>	<b>DAILY COSTS</b>	<b>CUMULATIVE COSTS</b>
<b>DESCRIPTION:</b> DRL HORIZ GRAYBURG WELL 3008' TVD; 7654' MD	DHC: 1,209,500 DCC: CWC: Others: TOTAL: 1,209,500	DHC: 22,437 DCC: CWC: Others: TOTAL: 22,437	DHC: 1,249,345 DCC: CWC: Others: TOTAL: 1,249,345

<b>DEFAULT DATUM / ELEVATION</b> RKB/RT / 2,547.0 (ft)	<b>LAST SAFETY MEETING</b> 3/31/2012	<b>BLOCK</b>	<b>OCSG#</b>	<b>TARGET FORMATION</b> GRAYBURG	<b>BHA HRS OF SERVICE</b>
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<b>LAST SURVEY</b>	<b>LAST CSG SHOE TEST (EMW)</b>	<b>LAST CASING</b>	<b>NEXT CASING</b>
<b>MD</b> 6,619.00 (ft) <b>INC</b> 91.70° <b>AZM</b> 166.20°		8.625 in @ 2,952.0 ft	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/100ft <sup>2</sup> )	GELS (lbf/100ft <sup>2</sup> )	WL/HTHP (cc/30min)	FC/T.SOL (32nd" ) / (%)	OIL/WAT (%)	% SAND/MBT (%) / (lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
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
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**APACHE CORPORATION**  
**Daily Drilling Report**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 03-31-2012
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<b>API #</b> 4210335972 00	<b>24 HRS PROG</b> (ft)	<b>TMD</b> 7,603.0 (ft)	<b>TVD</b> 2,961.5 (ft)	<b>REPT NO</b> 33
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<b>BHA</b>	9	<b>JAR S/N</b>		<b>BHA / HOLE CONDITIONS</b>			<b>JAR HRS</b>		<b>BIT</b>	9
<b>BHA WT BELOW JARS</b>		<b>STRING WT UP</b>		<b>STRING WT DN</b>		<b>STRING WT ROT</b>		<b>TORQUE/UNITS</b>		<b>BHA LENGTH</b>
(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**

<b>STROKE</b>	<b>SPM</b>	<b>LINER</b>	<b>FLOW RATE</b>	SPP:	<b>SPR</b>	
				AV(DP):	<b>SPM</b>	<b>PPSR</b>
				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**

<b>INCIDENTS TYPE</b> NONE	<b>LOST TIME?</b> NO	<b>INCIDENTS DESCRIPTION</b>
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**MUD INVENTORY**

ITEM	UNIT	USAGE	Day Cost (\$)	ON HAND
DRLG MUD			0.00	-3,594.00



**APACHE CORPORATION**  
**Daily Drilling Report**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 04-01-2012
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<b>API #</b> 4210335972 00	<b>24 HRS PROG</b> (ft)	<b>TMD</b> 7,603.0 (ft)	<b>TVD</b> 2,961.5 (ft)	<b>REPT NO</b> 34
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<b>RIG NAME NO</b> CAPSTAR 119	<b>FIELD NAME</b> DUNE	<b>AUTH TMD</b> 7,654.00 (ft)	<b>PLANNED DOW</b> 16.00 (days)	<b>DFS / KO</b> 23.38 (days)	<b>DOL</b> 27.75 (days)
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<b>SPUD DATE</b> 03-09-2012 15:00	<b>RIG RELEASE</b>	<b>SUPERVISOR</b> JOE BARRERA 806-781-4306	<b>ENGINEER</b> ROBERT CLARY	<b>PBTMD</b>
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<b>REGION</b> PERMIAN	<b>DISTRICT</b> NOTREES - TX CZ	<b>STATE / PROV</b> TEXAS	<b>COUNTY / PARISH</b> CRANE	<b>RIG PHONE NO</b> 281-532-5388	<b>RIG FAX NO</b> 432-818-1198
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<b>AFE # PA-12-0031-D</b>	<b>AFE COSTS</b>	<b>DAILY COSTS</b>	<b>CUMULATIVE COSTS</b>
<b>DESCRIPTION:</b> 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

<b>DEFAULT DATUM / ELEVATION</b> RKB/RT / 2,547.0 (ft)	<b>LAST SAFETY MEETING</b> 4/1/2012	<b>BLOCK</b>	<b>OCSG#</b>	<b>TARGET FORMATION</b> GRAYBURG	<b>BHA HRS OF SERVICE</b>
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<b>LAST SURVEY</b>	<b>LAST CSG SHOE TEST (EMW)</b>	<b>LAST CASING</b>	<b>NEXT CASING</b>
<b>MD</b> 6,619.00 (ft) <b>INC</b> 91.70° <b>AZM</b> 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**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 04-01-2012
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<b>API #</b> 4210335972 00	<b>24 HRS PROG</b> (ft)	<b>TMD</b> 7,603.0 (ft)	<b>TVD</b> 2,961.5 (ft)	<b>REPT NO</b> 34
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**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:	<b>MUD PROPERTIES</b>	
	MUD TYPE: BRINE	

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

Density (ppg)	10.00	PP	DAILY COST	0.00	CUM COST	25,917	%OIL	% H2O
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BHA	9	JAR S/N	<b>BHA / HOLE CONDITIONS</b>				JAR HRS	BIT	9
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BHA WT BELOW JARS	STRING WT UP	STRING WT DN	STRING WT ROT	TORQUE/UNITS	BHA LENGTH
(kip)	(kip)	(kip)	(kip)	(ft-lbf)	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
	ULKERRA 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	LOST TIME?	INCIDENTS DESCRIPTION
NONE	NO	



**APACHE CORPORATION**  
**Daily Drilling Report**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 04-02-2012
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<b>API #</b> 4210335972 00	<b>24 HRS PROG</b> (ft)	<b>TMD</b> 7,603.0 (ft)	<b>TVD</b> 2,961.5 (ft)	<b>REPT NO</b> 35
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<b>RIG NAME NO</b> CAPSTAR 119	<b>FIELD NAME</b> DUNE	<b>AUTH TMD</b> 7,654.00 (ft)	<b>PLANNED DOW</b> 16.00 (days)	<b>DFS / KO</b> 24.38 (days)	<b>DOL</b> 28.75 (days)
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<b>SPUD DATE</b> 03-09-2012 15:00	<b>RIG RELEASE</b>	<b>SUPERVISOR</b> JOE BARRERA 806-781-4306	<b>ENGINEER</b> ROBERT CLARY	<b>PBTMD</b>
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<b>REGION</b> PERMIAN	<b>DISTRICT</b> NOTREES - TX CZ	<b>STATE / PROV</b> TEXAS	<b>COUNTY / PARISH</b> CRANE	<b>RIG PHONE NO</b> 281-532-5388	<b>RIG FAX NO</b> 432-818-1198
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<b>AFE # PA-12-0031-D</b>	<b>AFE COSTS</b>	<b>DAILY COSTS</b>	<b>CUMULATIVE COSTS</b>
<b>DESCRIPTION:</b> 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

<b>DEFAULT DATUM / ELEVATION</b> RKB/RT / 2,547.0 (ft)	<b>LAST SAFETY MEETING</b> 4/2/2012	<b>BLOCK</b>	<b>OCSG#</b>	<b>TARGET FORMATION</b> GRAYBURG	<b>BHA HRS OF SERVICE</b>
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<b>LAST SURVEY</b> MD 6,619.00 (ft) INC 91.70° AZM 166.20°	<b>LAST CSG SHOE TEST (EMW)</b>	<b>LAST CASING</b> 8.625 in @ 2,952.0 ft	<b>NEXT CASING</b> 5.500 in @ 7,602.0 ft
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**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:	<b>MUD PROPERTIES</b>	
	MUD TYPE:	

VIS (s/qt)	PV/YP (cp) / (lb/100ft²)	GELS (lb/100ft²)	WL/HHP (cc/30min)	FC/T.SOL (32nd" ) / (%)	OIL/WAT (%)	% SAND/MBT (% )/(lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)

PP	DAILY COST	0.00	CUM COST	25,917	%OIL	% H2O
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BHA	10	JAR S/N	<b>BHA / HOLE CONDITIONS</b>			JAR HRS	BIT
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<b>BHA WT BELOW JARS</b>	<b>STRING WT UP</b>	<b>STRING WT DN</b>	<b>STRING WT ROT</b>	<b>TORQUE/UNITS</b>	<b>BHA LENGTH</b>
(kip)	(kip)	(kip)	(kip)	(ft-lbf)	210.02 (ft)



**APACHE CORPORATION**  
**Daily Drilling Report**

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

<b>INCIDENTS TYPE</b> NONE	<b>LOST TIME?</b> NO	<b>INCIDENTS DESCRIPTION</b>
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**MUD INVENTORY**

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



**APACHE CORPORATION**  
**Daily Drilling Report**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 04-03-2012
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<b>API #</b> 4210335972 00	<b>24 HRS PROG</b> (ft)	<b>TMD</b> 7,603.0 (ft)	<b>TVD</b> 2,961.5 (ft)	<b>REPT NO</b> 36
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<b>RIG NAME NO</b> CAPSTAR 119	<b>FIELD NAME</b> DUNE	<b>AUTH TMD</b> 7,654.00 (ft)	<b>PLANNED DOW</b> 16.00 (days)	<b>DFS / KO</b> 25.38 (days)	<b>DOL</b> 29.75 (days)
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<b>SPUD DATE</b> 03-09-2012 15:00	<b>RIG RELEASE</b>	<b>SUPERVISOR</b> JOE BARRERA 806-781-4306	<b>ENGINEER</b> ROBERT CLARY	<b>PBTMD</b>
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<b>REGION</b> PERMIAN	<b>DISTRICT</b> NOTREES - TX CZ	<b>STATE / PROV</b> TEXAS	<b>COUNTY / PARISH</b> CRANE	<b>RIG PHONE NO</b> 281-532-5388	<b>RIG FAX NO</b> 432-818-1198
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<b>AFE # PA-12-0031-D</b>	<b>AFE COSTS</b>	<b>DAILY COSTS</b>	<b>CUMULATIVE COSTS</b>
<b>DESCRIPTION:</b> 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

<b>DEFAULT DATUM / ELEVATION</b> RKB/RT / 2,547.0 (ft)	<b>LAST SAFETY MEETING</b> 4/3/2012	<b>BLOCK</b>	<b>OCSG#</b>	<b>TARGET FORMATION</b> GRAYBURG	<b>BHA HRS OF SERVICE</b>
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<b>LAST SURVEY</b>	<b>LAST CSG SHOE TEST (EMW)</b>	<b>LAST CASING</b>	<b>NEXT CASING</b>
<b>MD</b> 6,619.00 (ft) <b>INC</b> 91.70° <b>AZM</b> 166.20°		8.625 in @ 2,952.0 ft	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**

<b>RPV:</b>	<b>ROTARY CURRENT:</b>	<b>TOTAL RPM:</b>
LCM:		

**MUD PROPERTIES** MUD TYPE: BRINE

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

Density (ppg)	10.00	PP	DAILY COST	0.00	CUM COST	25,917	%OIL	% H2O
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BHA	12	JAR S/N	<b>BHA / HOLE CONDITIONS</b>			JAR HRS	BIT
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<b>BHA WT BELOW JARS</b>	<b>STRING WT UP</b>	<b>STRING WT DN</b>	<b>STRING WT ROT</b>	<b>TORQUE/UNITS</b>	<b>BHA LENGTH</b>
(kip)	(kip)	(kip)	(kip)	(ft-lbf)	210.02 (ft)



**APACHE CORPORATION**  
**Daily Drilling Report**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 04-03-2012
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<b>API #</b> 4210335972 00	<b>24 HRS PROG</b> (ft)	<b>TMD</b> 7,603.0 (ft)	<b>TVD</b> 2,961.5 (ft)	<b>REPT NO</b> 36
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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**

<b>WELLBORE NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 04-04-2012
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<b>API #</b> 4210335972 00	<b>24 HRS PROG</b> (ft)	<b>TMD</b> 7,603.0 (ft)	<b>TVD</b> 2,961.5 (ft)	<b>REPT NO</b> 37
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<b>RIG NAME NO</b> CAPSTAR 119	<b>FIELD NAME</b> DUNE	<b>AUTH TMD</b> 7,654.00 (ft)	<b>PLANNED DOW</b> 16.00 (days)	<b>DFS / KO</b> 26.38 (days)	<b>DOL</b> 30.75 (days)
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<b>SPUD DATE</b> 03-09-2012 15:00	<b>RIG RELEASE</b>	<b>SUPERVISOR</b> JOE BARRERA 806-781-4306	<b>ENGINEER</b> ROBERT CLARY	<b>PBTMD</b>
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<b>REGION</b> PERMIAN	<b>DISTRICT</b> NOTREES - TX CZ	<b>STATE / PROV</b> TEXAS	<b>COUNTY / PARISH</b> CRANE	<b>RIG PHONE NO</b> 281-532-5388	<b>RIG FAX NO</b> 432-818-1198
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<b>AFE # PA-12-0031-D</b>	<b>AFE COSTS</b>	<b>DAILY COSTS</b>	<b>CUMULATIVE COSTS</b>
<b>DESCRIPTION:</b> 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

<b>DEFAULT DATUM / ELEVATION</b> RKB/RT / 2,547.0 (ft)	<b>LAST SAFETY MEETING</b> 4/4/2012	<b>BLOCK</b>	<b>OCSG#</b>	<b>TARGET FORMATION</b> GRAYBURG	<b>BHA HRS OF SERVICE</b>
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<b>LAST SURVEY</b>	<b>LAST CSG SHOE TEST (EMW)</b>	<b>LAST CASING</b>	<b>NEXT CASING</b>
<b>MD</b> 6,619.00 (ft) <b>INC</b> 91.70° <b>AZM</b> 166.20°		8.625 in @ 2,952.0 ft	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**

<b>RPV:</b>	<b>ROTARY CURRENT:</b>	<b>TOTAL RPM:</b>
LCM: 0.0		

MUD PROPERTIES												MUD TYPE: BRINE			
VIS (s/qt)	PV/YP (cp) / (lb/100ft <sup>2</sup> )	GELS (lb/100ft <sup>2</sup> )	WL/HTHP (cc/30min)	FC/T.SOL (32nd" ) / (%)	OIL/WAT (%)	% SAND/MBT (% )/(lbm/bbl)	pH/Pm	Pf/Mf (cc)	Cl (ppm)	Ca (ppm)	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
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<b>BHA</b>	13	<b>JAR S/N</b>		<b>BHA / HOLE CONDITIONS</b>				<b>JAR HRS</b>		<b>BIT</b>	
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<b>BHA WT BELOW JARS</b>	<b>STRING WT UP</b>	<b>STRING WT DN</b>	<b>STRING WT ROT</b>	<b>TORQUE/UNITS</b>	<b>BHA LENGTH</b>
(kip)	(kip)	(kip)	(kip)	(ft-lbf)	158.55 (ft)



**APACHE CORPORATION**  
**Daily Drilling Report**

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

Daily Land - Orig Comp Report

<b>WELL NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 04-05-2012
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<b>Operator</b> APACHE CORPORATION	<b>API</b> 4210335972	<b>GL</b> 2,536.00	<b>TMD</b> 7,603.00	<b>TVD</b> 2,961.54	<b>RKB/RT</b> 2,547.00	<b>Working Int %</b> 100.00	<b>Report No</b> 1
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<b>Region</b> PERMIAN	<b>District</b> NOTREES - TX CZ	<b>License</b>	<b>Well Supervisor</b> JAMES W. GARDNER (432)-254-6606	<b>Engineer / Geologist</b> ROBERT CLARY
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<b>Field</b> DUNE	<b>State</b> TEXAS	<b>County</b> CRANE	<b>Event Code</b> LCM	<b>Event Type</b> LAND-ORIG COMP	<b>Objective</b>
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<b>RIG Name</b> CAPSTAR / 119	<b>RIG Release</b> 4/5/2012 6:00:00PM	<b>RIG PHONE NO</b> 281-532-5388	<b>RIG Fax No</b>	<b>Superintendent</b> LARRY VAN GILDER
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<b>AFE #:</b> PA-12-0031-C	<b>AFE Description:</b>				
<b>AFE Costs</b> 3,080,360	<b>Previous Day Cum</b> 0	<b>Daily Costs</b> 9,451	<b>Cumulative Cost</b> 9,451	<b>AFE Remaining</b> 3,070,909	<b>AFE %</b> 0.31

<b>Current Status</b>	TIH W/ PACKER PLUS NO-GO REAMER @ 7000'
<b>Comment Summary</b>	MU NO-GO REAMER & TIH TO 3300':
<b>24 HR Forecast</b>	TIH TO 7603': CIRC & SPOT EVO-LUBE PILL IN LATERAL & CURVE

24 HR Operational Comments

From	To	Duration	Operation Description
06:00PM	12:00AM	6.00	MU NO-GO REAMER & TIH TO 3300':

<b>Remarks</b>
TIH W/ PACKER PLUS NO-GO REAMER.MOVE & SLM DRILL PIPE: CONTINUE TIH TO 7000'

Actual Perforations

Date	Zone	From	To	JSPF	Report Date
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Stimulation

Date	Zone	From	To	Volume	Type
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Squeeze / Repair / Plugs

Date	From	To	Work Done	Date Report
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Directional Information

Initial Deviation	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 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
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
<b>Total:</b>	<b>24</b>	<b>180.0</b>	<b>180.0</b>

Vessels

Vessel Type	Vessel Name	Vessel Owner	Remarks
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APACHE CORPORATION

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

Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 6H							DATE 04-06-2012
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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
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Region PERMIAN	District NOTREES - TX CZ	License	Well Supervisor JAMES W. GARDNER (432)-254-6606	Engineer / Geologist ROBERT CLARY
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Field DUNE	State TEXAS	County CRANE	Event Code LCM	Event Type LAND-ORIG COMP	Objective
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RIG Name CAPSTAR / 119	RIG Release	RIG PHONE NO 281-532-5388	RIG Fax No	Superintendent LARRY VAN GILDER
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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:
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Actual Perforations

Date	Zone	From	To	JSPF	Report Date
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Stimulation

Date	Zone	From	To	Volume	Type
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Squeeze / Repair / Plugs

Date	From	To	Work Done	Date Report
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Directional Information

Initial Deviation	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 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
<b>Total:</b>	<b>22</b>	<b>132.0</b>	<b>264.0</b>



APACHE CORPORATION

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
<b>Total Intangible Cost</b>		<b>2,263,500</b>	<b>9,451</b>	<b>15,919</b>	<b>25,370</b>	<b>2,238,130</b>	
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

Daily Land - Orig Comp Report

<b>WELL NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 04-07-2012
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<b>Operator</b> APACHE CORPORATION	<b>API</b> 4210335972	<b>GL</b> 2,536.00	<b>TMD</b> 7,603.00	<b>TVD</b> 2,961.54	<b>RKB/RT</b> 2,547.00	<b>Working Int %</b> 100.00	<b>Report No</b> 3
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<b>Region</b> PERMIAN	<b>District</b> NOTREES - TX CZ	<b>License</b>	<b>Well Supervisor</b> JAMES W. GARDNER (432)-254-6606	<b>Engineer / Geologist</b> ROBERT CLARY
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<b>Field</b> DUNE	<b>State</b> TEXAS	<b>County</b> CRANE	<b>Event Code</b> LCM	<b>Event Type</b> LAND-ORIG COMP	<b>Objective</b>
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<b>RIG Name</b> CAPSTAR / 119	<b>RIG Release</b>	<b>RIG PHONE NO</b> 281-532-5388	<b>RIG Fax No</b>	<b>Superintendent</b> LARRY VAN GILDER
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<b>AFE #:</b> PA-12-0031-C	<b>AFE Description:</b>				
<b>AFE Costs</b> 3,080,360	<b>Previous Day Cum</b> 25,370	<b>Daily Costs</b> 31,816	<b>Cumulative Cost</b> 57,186	<b>AFE Remaining</b> 3,023,174	<b>AFE %</b> 1.86

<b>Current Status</b>	TIH W/ 5.5" LINER & PACKER ASSY W/ PBR LATCH TOOL.
<b>Comment Summary</b>	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'
<b>24 HR Forecast</b>	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'

<b>Remarks</b>	RUN CASING / PACKER ASSY TO 4767': RD LEWIS CSG CREW: RU FLOOR: MOVE & SLM DP, DC'S, HWDP:
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Actual Perforations

Date	Zone	From	To	JSPF	Report Date
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Stimulation

Date	Zone	From	To	Volume	Type
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Squeeze / Repair / Plugs

Date	From	To	Work Done	Date Report
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Directional Information

Initial Deviation	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 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
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
<b>Total:</b>	<b>26</b>	<b>172.0</b>	<b>436.0</b>



APACHE CORPORATION

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

Daily Land - Orig Comp Report

<b>WELL NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 04-08-2012
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<b>Operator</b> APACHE CORPORATION	<b>API</b> 4210335972	<b>GL</b> 2,536.00	<b>TMD</b> 7,603.00	<b>TVD</b> 2,961.54	<b>RKB/RT</b> 2,547.00	<b>Working Int %</b> 100.00	<b>Report No</b> 4
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<b>Region</b> PERMIAN	<b>District</b> NOTREES - TX CZ	<b>License</b>	<b>Well Supervisor</b> JAMES W. GARDNER (432)-254-6606	<b>Engineer / Geologist</b> ROBERT CLARY
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<b>Field</b> DUNE	<b>State</b> TEXAS	<b>County</b> CRANE	<b>Event Code</b> LCM	<b>Event Type</b> LAND-ORIG COMP	<b>Objective</b>
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<b>RIG Name</b> CAPSTAR / 119	<b>RIG Release</b>	<b>RIG PHONE NO</b> 281-532-5388	<b>RIG Fax No</b>	<b>Superintendent</b> LARRY VAN GILDER
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<b>AFE #:</b> PA-12-0031-C	<b>AFE Description:</b>				
<b>AFE Costs</b> 3,080,360	<b>Previous Day Cum</b> 57,186	<b>Daily Costs</b> 22,657	<b>Cumulative Cost</b> 79,843	<b>AFE Remaining</b> 3,000,518	<b>AFE %</b> 2.59

<b>Current Status</b>	TOH W/ PACKER ASSY:
<b>Comment Summary</b>	TIH W/ PACKER ASSY: ATTEMPT TO SET PACKERS: (NO PRESSURE TEST) CHECK SURF EQUIP. TEST BACKSIDE RETURNS UP DRILL STRING: TOH W/ PACKER ASSY:
<b>24 HR Forecast</b>	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

<b>Remarks</b>
TOH W/ CASING & PACKER ASSY TO 5411':

Actual Perforations

Date	Zone	From	To	JSPF	Report Date
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Stimulation

Date	Zone	From	To	Volume	Type
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Squeeze / Repair / Plugs

Date	From	To	Work Done	Date Report
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Directional Information

Initial Deviation	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	
PACKER ASSEMBLY 1 CONDUCTOR	5.50	17	L-80, L80 EXR, L-80 EXR	7,562.00			415.76	

Fluids

Type	Weight	% Solids	NTU	Company Name
Brine	10.00	0.00		NEWPARK



APACHE CORPORATION

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
<b>Total Intangible Cost</b>		<b>2,263,500</b>	<b>57,186</b>	<b>22,657</b>	<b>79,843</b>	<b>2,183,658</b>	
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

Daily Land - Orig Comp Report

<b>WELL NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 04-09-2012
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<b>Operator</b> APACHE CORPORATION	<b>API</b> 4210335972	<b>GL</b> 2,536.00	<b>TMD</b> 7,603.00	<b>TVD</b> 2,961.54	<b>RKB/RT</b> 2,547.00	<b>Working Int %</b> 100.00	<b>Report No</b> 5
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<b>Region</b> PERMIAN	<b>District</b> NOTREES - TX CZ	<b>License</b>	<b>Well Supervisor</b> JAMES W. GARDNER (432)-254-6606	<b>Engineer / Geologist</b> ROBERT CLARY
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<b>Field</b> DUNE	<b>State</b> TEXAS	<b>County</b> CRANE	<b>Event Code</b> LCM	<b>Event Type</b> LAND-ORIG COMP	<b>Objective</b>
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<b>RIG Name</b> CAPSTAR / 119	<b>RIG Release</b>	<b>RIG PHONE NO</b> 281-532-5388	<b>RIG Fax No</b>	<b>Superintendent</b> LARRY VAN GILDER
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<b>AFE #:</b> PA-12-0031-C	<b>AFE Description:</b>				
<b>AFE Costs</b> 3,080,360	<b>Previous Day Cum</b> 79,843	<b>Daily Costs</b> 19,577	<b>Cumulative Cost</b> 99,420	<b>AFE Remaining</b> 2,980,941	<b>AFE %</b> 3.23

<b>Current Status</b>	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:
<b>Comment Summary</b>	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)
<b>24 HR Forecast</b>	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:

<b>Remarks</b>	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:
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Actual Perforations

Date	Zone	From	To	JSPF	Report Date
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Stimulation

Date	Zone	From	To	Volume	Type
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Squeeze / Repair / Plugs

Date	From	To	Work Done	Date Report
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Directional Information

Initial Deviation	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	
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

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
<b>Total:</b>	<b>26</b>	<b>198.0</b>	<b>798.0</b>



APACHE CORPORATION

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

Daily Land - Orig Comp Report

<b>WELL NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 04-10-2012
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<b>Operator</b> APACHE CORPORATION	<b>API</b> 4210335972	<b>GL</b> 2,536.00	<b>TMD</b> 7,603.00	<b>TVD</b> 2,961.54	<b>RKB/RT</b> 2,547.00	<b>Working Int %</b> 100.00	<b>Report No</b> 6
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<b>Region</b> PERMIAN	<b>District</b> NOTREES - TX CZ	<b>License</b>	<b>Well Supervisor</b> JAMES W. GARDNER (432)-254-6606	<b>Engineer / Geologist</b> ROBERT CLARY
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<b>Field</b> DUNE	<b>State</b> TEXAS	<b>County</b> CRANE	<b>Event Code</b> LCM	<b>Event Type</b> LAND-ORIG COMP	<b>Objective</b>
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<b>RIG Name</b> CAPSTAR / 119	<b>RIG Release</b>	<b>RIG PHONE NO</b> 281-532-5388	<b>RIG Fax No</b>	<b>Superintendent</b> LARRY VAN GILDER
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<b>AFE #:</b> PA-12-0031-C	<b>AFE Description:</b>				
<b>AFE Costs</b> 3,080,360	<b>Previous Day Cum</b> 99,420	<b>Daily Costs</b> 41,498	<b>Cumulative Cost</b> 140,918	<b>AFE Remaining</b> 2,939,442	<b>AFE %</b> 4.57

<b>Current Status</b>	TOH W/ NO-GO REAMER F/ PRODUCTION PACKER ASSY:
<b>Comment Summary</b>	INSPECT CSG: (8) BAD JTS: MOVE PIPE & SLM DP: MU BIT # RR #8: NO-GO REAMER & TIH TO 7097':
<b>24 HR Forecast</b>	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':

<b>Remarks</b>	TIH W/ NO-GO F/ 7097' TO 7603': CIRC & PUMP 100 BBL HI VISC SWEEP: TOH W/ NO-GO F/ PRODUCTION PACKER ASSY:
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Actual Perforations

Date	Zone	From	To	JSPF	Report Date
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Stimulation

Date	Zone	From	To	Volume	Type
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Squeeze / Repair / Plugs

Date	From	To	Work Done	Date Report
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Directional Information

Initial Deviation	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	
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

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
<b>Total:</b>	<b>26</b>	<b>198.0</b>	<b>996.0</b>



APACHE CORPORATION

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		
<b>Total Intangible Cost</b>		<b>2,263,500</b>	<b>99,420</b>	<b>41,498</b>	<b>140,918</b>	<b>2,122,582</b>	
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

Daily Land - Orig Comp Report

<b>WELL NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 04-11-2012
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<b>Operator</b> APACHE CORPORATION	<b>API</b> 4210335972	<b>GL</b> 2,536.00	<b>TMD</b> 7,603.00	<b>TVD</b> 2,961.54	<b>RKB/RT</b> 2,547.00	<b>Working Int %</b> 100.00	<b>Report No</b> 7
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<b>Region</b> PERMIAN	<b>District</b> NOTREES - TX CZ	<b>License</b>	<b>Well Supervisor</b> JAMES W. GARDNER (432)-254-6606	<b>Engineer / Geologist</b> ROBERT CLARY
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<b>Field</b> DUNE	<b>State</b> TEXAS	<b>County</b> CRANE	<b>Event Code</b> LCM	<b>Event Type</b> LAND-ORIG COMP	<b>Objective</b>
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<b>RIG Name</b> CAPSTAR / 119	<b>RIG Release</b>	<b>RIG PHONE NO</b> 281-532-5388	<b>RIG Fax No</b>	<b>Superintendent</b> LARRY VAN GILDER
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<b>AFE #:</b> PA-12-0031-C	<b>AFE Description:</b>				
<b>AFE Costs</b> 3,080,360	<b>Previous Day Cum</b> 140,918	<b>Daily Costs</b> 19,486	<b>Cumulative Cost</b> 160,404	<b>AFE Remaining</b> 2,919,956	<b>AFE %</b> 5.21

<b>Current Status</b>	FILLING PIPE & CIRC BOTTOMS UP @ 7563'
<b>Comment Summary</b>	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':
<b>24 HR Forecast</b>	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'

<b>Remarks</b>	RD CSG CREW: RU FLOOR & SLM BHA: RUN CSG & PACKER ASSY W/ DRILL STRING:
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Actual Perforations

Date	Zone	From	To	JSPF	Report Date
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Stimulation

Date	Zone	From	To	Volume	Type
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Squeeze / Repair / Plugs

Date	From	To	Work Done	Date Report
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Directional Information

<b>Initial Deviation</b> 2,391	<b>Max Dev</b> 93.6deg at 3,593	<b>Max Dogleg</b> 13.5 deg at 3,340
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Casing / Tubing Information

Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	1,000.00	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

<b>Type</b> Brine	<b>Weight</b> 10.00	<b>% Solids</b> 0.00	<b>NTU</b>	<b>Company Name</b> NEWPARK
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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		
<b>Total Intangible Cost</b>		<b>2,263,500</b>	<b>140,918</b>	<b>19,486</b>	<b>160,404</b>	<b>2,103,096</b>	
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

Daily Land - Orig Comp Report

<b>WELL NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 04-12-2012
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<b>Operator</b> APACHE CORPORATION	<b>API</b> 4210335972	<b>GL</b> 2,536.00	<b>TMD</b> 7,603.00	<b>TVD</b> 2,961.54	<b>RKB/RT</b> 2,547.00	<b>Working Int %</b> 100.00	<b>Report No</b> 8
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<b>Region</b> PERMIAN	<b>District</b> NOTREES - TX CZ	<b>License</b>	<b>Well Supervisor</b> JAMES W. GARDNER (432)-254-6606	<b>Engineer / Geologist</b> ROBERT CLARY
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<b>Field</b> DUNE	<b>State</b> TEXAS	<b>County</b> CRANE	<b>Event Code</b> LCM	<b>Event Type</b> LAND-ORIG COMP	<b>Objective</b>
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<b>RIG Name</b> CAPSTAR / 119	<b>RIG Release</b>	<b>RIG PHONE NO</b> 281-532-5388	<b>RIG Fax No</b>	<b>Superintendent</b> LARRY VAN GILDER
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<b>AFE #:</b> PA-12-0031-C	<b>AFE Description:</b>				
<b>AFE Costs</b> 3,080,360	<b>Previous Day Cum</b> 160,404	<b>Daily Costs</b> 150,380	<b>Cumulative Cost</b> 310,783	<b>AFE Remaining</b> 2,769,577	<b>AFE %</b> 10.09

<b>Current Status</b>	CLEANING PITS
<b>Comment Summary</b>	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;
<b>24 HR Forecast</b>	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:

<b>Remarks</b>	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:
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Actual Perforations

Date	Zone	From	To	JSPF	Report Date
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Stimulation

Date	Zone	From	To	Volume	Type
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Squeeze / Repair / Plugs

Date	From	To	Work Done	Date Report
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Directional Information

<b>Initial Deviation</b> 2,391	<b>Max Dev</b> 93.6deg at 3,593	<b>Max Dogleg</b> 13.5 deg at 3,340
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Casing / Tubing Information

Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	1,000.00	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	Weight	% Solids	NTU	Company Name
Brine	10.00	0.00		NEWPARK



APACHE CORPORATION

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

Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 6H							DATE 04-13-2012
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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
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Region PERMIAN	District NOTREES - TX CZ	License	Well Supervisor JAMES W. GARDNER (432)-254-6606	Engineer / Geologist ROBERT CLARY
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Field DUNE	State TEXAS	County CRANE	Event Code LCM	Event Type LAND-ORIG COMP	Objective
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RIG Name CAPSTAR / 119	RIG Release	RIG PHONE NO 281-532-5388	RIG Fax No	Superintendent LARRY VAN GILDER
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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
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Actual Perforations

Date	Zone	From	To	JSPF	Report Date
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Stimulation

Date	Zone	From	To	Volume	Type
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Squeeze / Repair / Plugs

Date	From	To	Work Done	Date Report
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Directional Information

Initial Deviation	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	
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
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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
<b>Total:</b>	<b>11</b>	<b>120.0</b>	<b>1,080.0</b>



APACHE CORPORATION

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
<b>Total Intangible Cost</b>		<b>2,263,500</b>	<b>179,890</b>	<b>364,204</b>	<b>544,093</b>	<b>1,719,407</b>	
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

Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 6H							DATE 06-11-2012
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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
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Region PERMIAN	District NOTREES - TX CZ	License	Well Supervisor GREG RAILEY	Engineer / Geologist
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Field DUNE	State TEXAS	County CRANE	Event Code LCM	Event Type LAND-ORIG COMP	Objective
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RIG Name CAPSTAR / 119	RIG PHONE NO 281-532-5388	RIG Fax No	Tool Pusher LARRY VAN GILDER
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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/FRAC STAGES 1-4 CONT FRACING
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**Remarks**  
ACIDIZE/FRAC STAGES 1-4, SD 2 HRS WAITING ON FUEL TRK & 2 ADDTL 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
<b>Total:</b>	<b>11</b>	<b>120.0</b>	<b>1,632.0</b>

Safety Drills				
Rams	Annulars	Casing	Last BOP Test	Next BOP Test

BULKS	
Product DIESEL, RIG FUEL	QTY 0.0 4,738.0



APACHE CORPORATION

Daily Land - Orig Comp Report

Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000	
70004	CASING CREW	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

Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 6H							DATE 06-12-2012
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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
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Region PERMIAN	District NOTREES - TX CZ	License	Well Supervisor DANNY GALVAN / GREG RAILEY		Engineer / Geologist PATRICK ROARK		
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Field DUNE	State TEXAS	County CRANE	Event Code LCM	Event Type LAND-ORIG COMP		Objective
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RIG Name CAPSTAR / 119		RIG PHONE NO 281-532-5388	RIG Fax No	Tool Pusher LARRY VAN GILDER			
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AFE #:	PA-12-0031-C	AFE Description:					
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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
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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
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**Casing / Tubing Information**

Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	1,000.00	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
<b>Total:</b>	<b>2</b>	<b>48.0</b>	<b>1,032.0</b>

**Safety Drills**

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

Product	QTY
DIESEL, RIG FUEL	0.0
	4,738.0



APACHE CORPORATION

Daily Land - Orig Comp Report

Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000	
70004	CASING CREW	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

Daily Land - Orig Comp Report

WELL NAME UNIVERSITY LANDS A 37 6H							DATE 06-13-2012
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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
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Region PERMIAN	District NOTREES - TX CZ	License	Well Supervisor DANNY GALVAN / GREG RILEY	Engineer / Geologist PATRICK ROARK
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Field DUNE	State TEXAS	County CRANE	Event Code LCM	Event Type LAND-ORIG COMP	Objective
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RIG Name CAPSTAR / 119	RIG PHONE NO 281-532-5388	RIG Fax No	Tool Pusher LARRY VAN GILDER
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AFE #: PA-12-0031-C	AFE Description:
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AFE Costs 3,080,360	Previous Day Cum 1,850,923	Daily Costs 120,854	Cumulative Cost 1,971,777	AFE Remaining 1,108,583	AFE % 64.01
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Comment Summary 24 HR Forecast	COMPLETE DRILLING OUT SEATS CIRC CLN POH RD CTU, SI WELL. RUN AFL FRI.
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**Remarks**

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

**Directional Information**

Initial Deviation 2,391	Max Dev 93.6deg at 3,593	Max Dogleg 13.5 deg at 3,340
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**Casing / Tubing Information**

Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	1,000.00	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
<b>Total:</b>	<b>2</b>	<b>48.0</b>	<b>1,080.0</b>

**Safety Drills**

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

Product DIESEL, RIG FUEL	QTY 0.0 4,738.0
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APACHE CORPORATION

Daily Land - Orig Comp Report

Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000	
70004	CASING CREW	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	BAKERMMS
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

Daily Land - Orig Comp Report

<b>WELL NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 06-20-2012
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<b>Operator</b> APACHE CORPORATION	<b>API</b> 4210335972	<b>GL</b> 2,536.00	<b>TMD</b> 7,603.00	<b>TVD</b>	<b>RKB/RT</b> 2,547.00	<b>Working Int %</b> 100.00	<b>Report No</b> 14
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<b>Region</b> PERMIAN	<b>District</b> NOTREES - TX CZ	<b>License</b>	<b>Well Supervisor</b> DANNY GALVAN / GREG RILEY	<b>Engineer / Geologist</b> PATRICK ROARK
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<b>Field</b> DUNE	<b>State</b> TEXAS	<b>County</b> CRANE	<b>Event Code</b> LCM	<b>Event Type</b> LAND-ORIG COMP	<b>Objective</b>
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<b>RIG Name</b> CAPSTAR / 119	<b>RIG PHONE NO</b> 281-532-5388	<b>RIG Fax No</b>	<b>Tool Pusher</b> LARRY VAN GILDER
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<b>AFE #:</b> PA-12-0031-C	<b>AFE Description:</b>				
<b>AFE Costs</b> 3,080,360	<b>Previous Day Cum</b> 1,971,777	<b>Daily Costs</b>	<b>Cumulative Cost</b>	<b>AFE Remaining</b>	<b>AFE %</b>

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

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

Directional Information			
<b>Initial Deviation</b> 2,391	<b>Max Dev</b> 93.6deg at 3,593	<b>Max Dogleg</b> 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
<b>Total:</b>	<b>2</b>	<b>48.0</b>	<b>1,176.0</b>

Safety Drills				
<b>Rams</b>	<b>Annulars</b>	<b>Casing</b>	<b>Last BOP Test</b>	<b>Next BOP Test</b>

BULKS	
<b>Product</b>	<b>QTY</b>
DIESEL, RIG FUEL	4,738.0



APACHE CORPORATION

Daily Land - Orig Comp Report

Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000	
70004	CASING CREW	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

Daily Land - Orig Comp Report

<b>WELL NAME</b> UNIVERSITY LANDS A 37 6H	<b>DATE</b> 06-21-2012
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<b>Operator</b> APACHE CORPORATION	<b>API</b> 4210335972	<b>GL</b> 2,536.00	<b>TMD</b> 7,603.00	<b>TVD</b>	<b>RKB/RT</b> 2,547.00	<b>Working Int %</b> 100.00	<b>Report No</b> 15
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<b>Region</b> PERMIAN	<b>District</b> NOTREES - TX CZ	<b>License</b>	<b>Well Supervisor</b> DANNY GALVAN / GREG RILEY	<b>Engineer / Geologist</b> PATRICK ROARK
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<b>Field</b> DUNE	<b>State</b> TEXAS	<b>County</b> CRANE	<b>Event Code</b> LCM	<b>Event Type</b> LAND-ORIG COMP	<b>Objective</b>
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<b>RIG Name</b> CAPSTAR / 119	<b>RIG PHONE NO</b> 281-532-5388	<b>RIG Fax No</b>	<b>Tool Pusher</b> LARRY VAN GILDER
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<b>AFE #:</b> PA-12-0031-C	<b>AFE Description:</b>
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<b>AFE Costs</b> 3,080,360	<b>Previous Day Cum</b> 1,971,777	<b>Daily Costs</b>	<b>Cumulative Cost</b>	<b>AFE Remaining</b>	<b>AFE %</b>
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<b>Comment Summary</b> 24 HR Forecast	0 BO X 365 BLW (18,331 BLWTR) X 1 MCF X FCP-100# X 24 HRS TEST WELL & MONITOR
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**Remarks**

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

**Directional Information**

<b>Initial Deviation</b> 2,391	<b>Max Dev</b> 93.6deg at 3,593	<b>Max Dogleg</b> 13.5 deg at 3,340
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**Casing / Tubing Information**

Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	1,000.00	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
<b>Total:</b>	<b>2</b>	<b>48.0</b>	<b>1,224.0</b>

**Safety Drills**

<b>Rams</b>	<b>Annulars</b>	<b>Casing</b>	<b>Last BOP Test</b>	<b>Next BOP Test</b>
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**BULKS**

<b>Product</b> DIESEL, RIG FUEL	<b>QTY</b> 0.0 4,738.0
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APACHE CORPORATION

Daily Land - Orig Comp Report

Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000	
70004	CASING CREW	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

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 3,080,360	Previous Day Cum 1,971,777	Daily Costs 51,252	Cumulative Cost 2,023,029	AFE Remaining 1,057,331	AFE % 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 CONDUCTOR	5.50	17	L-80, L80 EXR, L-80 EXR	7,562.00			415.76	

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
<b>Total:</b>	<b>2</b>	<b>48.0</b>	<b>1,320.0</b>

Safety Drills				
Rams	Annulars	Casing	Last BOP Test	Next BOP Test



APACHE CORPORATION

Daily Land - Orig Comp Report

BULKS

Product	QTY
DIESEL, RIG FUEL	0.0
	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

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	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 CONDUCTOR	5.50	17	L-80, L80 EXR, L-80 EXR	7,562.00			415.76	

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
<b>Total:</b>	<b>2</b>	<b>48.0</b>	<b>1,416.0</b>

Safety Drills				
Rams	Annulars	Casing	Last BOP Test	Next BOP Test

BULKS	
Product	QTY
DIESEL, RIG FUEL	0.0
	4,738.0



APACHE CORPORATION

Daily Land - Orig Comp Report

Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000	
70004	CASING CREW	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

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	Previous Day Cum	Daily Costs	Cumulative Cost	AFE Remaining	AFE %	
3,080,360	2,023,029					

Comment Summary	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'
24 HR Forecast	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	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 CONDUCTOR	5.50	17	L-80, L80 EXR, L-80 EXR	7,562.00			415.76	

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
<b>Total:</b>	<b>2</b>	<b>48.0</b>	<b>1,512.0</b>

Safety Drills				
Rams	Annulars	Casing	Last BOP Test	Next BOP Test

BULKS	
Product	QTY
DIESEL, RIG FUEL	0.0
	4,738.0



APACHE CORPORATION

Daily Land - Orig Comp Report

Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000	
70004	CASING CREW	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

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** 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'  
**24 HR Forecast** 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	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 CONDUCTOR	5.50	17	L-80, L80 EXR, L-80 EXR	7,562.00			415.76	

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
<b>Total:</b>	<b>2</b>	<b>48.0</b>	<b>1,560.0</b>

Safety Drills				
Rams	Annulars	Casing	Last BOP Test	Next BOP Test

BULKS	
Product	QTY
DIESEL, RIG FUEL	0.0
	4,738.0



APACHE CORPORATION

Daily Land - Orig Comp Report

Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70003	BITS, COREHEADS AND REAMERS	65,000	0	0	0	65,000	
70004	CASING CREW	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		