

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY LEAH 8
 USA

Date: 02/22/2012
 Report No: 1

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details	
15:00	0:00	9.00	81DMOB	LOCMOV	RD	P	RIG DOWN, INSTALL NEW RAMS ON DERRICK, GET READY FOR TRUCKS SAFETY BREAK: CHANGING OUT RAMS ON DERRICK	
Total Time		9.00						

Safety Incident? N Days since Last RI: 49.00 Weather Comments:

Environ Incident? N Days since Last LTA: 412.00

Incident Comments:

No incidents reported last 24 hours.

Other Remarks:

EAST OF ANDREWS, TEXAS, AT INTERSECTION OF HIGHWAY 115 AND FM 1788, DRIVE (SOUTH) ON FM 1788 1.75 MILES. TURN LEFT (EAST) ONTO LEASE ROAD. DRIVE 0.5 MILE, TURN RIGHT (SOUTH) DRIVE 0.75 MILE, TO LOCATION ON THE RIGHT
 TRAILER TEL NUMBER: (713) 948-3590
 FLIGHT FOR LIFE DIRECTIONS: LATITUDE 32°21'21.70"N, LONGITUDE 102°24'02.04"W, NAD 27

SAFETY TOPIC OF THE DAY: RIGGING DOWN

DAYS WORKED WITH NO LTA: 412

DAYS SINCE LAST RI: 49

NUMBER SAFETY MEETINGS: 8

NUMBER NEAR MISSES: 0

STOP CARDS: 13

DAILY JSA'S REVIEWED: 16

PERMITS TO WORK: 2

LO/TO: 4

PRE-SPUD INSPECTION: X

POWER-LINE CHECK LIST: X

SWA'S: X

BEST STOP CARD OF THE DAY : EMPLOYEE LEFT THE FORKS ON THE FORKLIFT TWO FEET OFF THE GROUND, REVIEWED JSA WITH HANDS ON MAKING SURE FORKS ARE ALWAYS DOWN AND THEY COMPLIED.

TOTAL PT HRS FOR THE MONTH, 78

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY LEAH 8
 USA

Date: 02/23/2012
 Report No: 2

Wellbore / Top MD: 00 @ 0 ft Rig: SAVANNA 643 Ref Datum: ORIGINAL KB @3,078.80ft DFS: 0.00
 Today's MD: 40 ft Progress: 0 ft Ground Elev: 3,063.40 ft Daily Cost: \$29,496
 Prev MD: 40 ft Rot Hrs Today: 0.00 hr AFE MD/Days: 11,400.0 / 13.6 days Cum Cost: \$41,734
 PBMD: Avg ROP Today: 0.0 ft/hr AFE Number: 1146069#0102 AFE Cost: \$1,224,234

Current Formation: @ Lithology:
 Current Ops: RIGGING UP
 24-Hr Summary: RIG DOWN, MOVE RIG TO NEW LOCATION AND SET IN. RIG UP
 24-Hr Forecast: RR 03/07/2012, ROL 03/08/2012 RIG UP AND SPUD. DRILL SURFACE HOLE TO 1850'

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS		Avg	Max
Last Casing:		Str Wt Up/Dn:	/	Pump Rate:	0.0	Conn:			
Next Casing:		Str Wt Rot:		Pump Press:	0	Trip:			
Last BOP Press Test:	02/10/2012	Torq Off Btm:				Backgr:			
Form Test/EMW:		Torq On Btm:							

PERSONNEL		SURVEY DATA (LAST 6)								
Supervisor 1:	JIM REEVES	MD	Incl	Azi	TVD	N-S	E-W	VS	DLS	Build
Supervisor 2:	DARRELL WERTHER									
Engineer:	IVAN OTERO									
Geologist:	TIM LYONS									
Oxy Personnel:	2									
Contractor Personnel:	12									
Total on Site:	14									

BIT RECORD										
Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
									--	--

BIT OPERATING PARAMETERS TODAY												
Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI

MUD DATA - M-J SWACO	
Engineer: Brandon Smith	MBT: 0.0 lbm/bbl
Sample From: In	pH: 8.0
Mud Type: Spud Mud	Pm / Pom: 0.00
Time / MD: 22:00 / .0	Pf / Mf: 0.1 / 0.2
Density @ Temp: 8.40 / 80	Chlorides: 600
Rheology Temp: 120	Ca+ / K+: 280 / 0
Viscosity: 26.00	CaCl2: 0.00
PV / YP: 1 / 1	Clom: 0.59
Gels 10s/10m/30m: 1 / 1 / 1	Lime: 0.00
API WL: 45.00	ES: 50.10
HTHP WL: 0.00	ECD: 0.00
Cake API / HTHP: 1.0 / .0	n / K: 0.00 / 0.000
Solids / Sol Corr: 0.00 / 0.00	Carbonate: 1 ppm
Oil / Water: 99.5 / 0.0	Bicarbonate: 0 ppm
Sand: 0.00	Form Loss: 0.0 / 0.0
Water Added: 0.0 bbl	Fluid Disch: /
Oil Added:	
LGS: 0.50 / 4.40	

LAST OR CURRENT BHA				
Component	OD	ID	Jts	Length

VG Meter: 1@3 / 1@6 / 1@100 / 1@200 / 2@300 / 3@600
 Comments: Transferred all mud inventory to new location. Plan to spud well circ. reserve pit. Drop 1-2 soap sticks per connection and 1 cup poly-plus down drill-string. Trickle 4-6cn MF-55 per tour at flow line. Pump 60-80vis sweeps every 100-150ft. or as needed. At approx. 900ft. turn back

MUD PRODUCTS		
Product	Units	Qty Used
AIR COMP RENT	EACH	1.00
DRIVE-BY ENGINEERING	EACH	1.00
PREMIX RENTAL	DAY	1.00

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY LEAH 8
 USA

Date: 02/23/2012
 Report No: 2

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details	
0:00	6:00	6.00	01MIRU	LOCMOV	RD	P	RIG DOWN, GET READY FOR TRUCKS SAFETY BREAK: LOADING & UNLOADING TRUCKS	
6:00	7:30	1.50	01MIRU	LOCMOV	RD	P	RIG DOWN, GET READY FOR TRUCKS	
7:30	8:00	0.50	01MIRU	SAFE	PJSM	P	PJSM WITH EVERYONE ON LOCATION	
8:00	14:00	6.00	01MIRU	LOCMOV	MOVE	P	MOVE TO THE LEAH #8 1st LOAD LEFT @ 08:00, DERRICK & SUB OFF LOCATION @ 14:00 LOCATION CLEAR @ 15:00	
14:00	19:00	5.00	01MIRU	LOCMOV	MOVE	P	SET RIG IN PLACE SUB IN PLACE @ 14:30, DERRICK ON PLACE @ 15:15 SETTING ALL OTHER COMPONENTS IN PLACE RAISE DERRICK @ 18:00 RELEASE TRUCKS @ 19:00 HRS	
19:00	0:00	5.00	01MIRU	LOCMOV	RU	P	RIGGING UP TO SPUD 12.25" SURFACE HOLE SAFETY BREAK: RIGGING UP	
Total Time		24.00						

Safety Incident? N Days since Last RI: 50.00 Weather Comments:

Environ Incident? N Days since Last LTA: 413.00

Incident Comments:

No incidents reported last 24 hours.

Other Remarks: EAST OF ANDREWS, TEXAS, AT INTERSECTION OF HIGHWAY 115 AND FM 1788, DRIVE (WEST) ON HIGHWAY 115 .5 MILES. TURN LEFT (SOUTH) ONTO LEASE ROAD. DRIVE 0.1 MILE, TURN LEFT (EAST) DRIVE 0.50 MILE, TO LOCATION.
 TRAILER TEL NUMBER: (713) 948-3590
 FLIGHT FOR LIFE DIRECTIONS: LATITUDE 32°21'21.70"N, LONGITUDE 102°24'02.04"W, NAD 27

SAFETY TOPIC OF THE DAY: RIGGING UP

DAYS WORKED WITH NO LTA: 413

DAYS SINCE LAST RI: 50

NUMBER SAFETY MEETINGS: 8

NUMBER NEAR MISSES: 0

STOP CARDS: 2

DAILY JSA'S REVIEWED: 16

PERMITS TO WORK: 1

LO/TO: X

PRE-SPUD INSPECTION: X

POWER-LINE CHECK LIST: X

SWA'S: X

BEST STOP CARD OF THE DAY : 3RD PARTY EMPLOYEE NOT WEARING SAFETY GLASSES, STOPPED HIM AND INFORMED HIM OF OXY POLICY AND HE COMPLIED, JOB CONTINUED WITHOUT INCIDENT

TOTAL PT HRS FOR THE MONTH, 78

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY LEAH 8
 USA

Date: 02/24/2012
 Report No: 3

Wellbore / Top MD: 00 @ 0 ft Rig: SAVANNA 643 Ref Datum: ORIGINAL KB @3,078.80ft DFS: 0.00
 Today's MD: 40 ft Progress: 0 ft Ground Elev: 3,063.40 ft Daily Cost: \$68,008
 Prev MD: 40 ft Rot Hrs Today: 0.00 hr AFE MD/Days: 11,400.0 / 13.6 days Cum Cost: \$109,742
 PBMD: Avg ROP Today: 0.0 ft/hr AFE Number: 1146069#0102 AFE Cost: \$1,224,234

Current Formation: @ Lithology:
 Current Ops: DRILL 12 1/4" SURFACE HOLE @240'
 24-Hr Summary: RIGGING UP TO SPUD 12.25" SURFACE HOLE. REPLACING DRAW WORKS COOLING FANS
 24-Hr Forecast: RR 03/07/2012, ROL 03/08/2012 REPLACE DRAW WORKS COOLING FANS. PERFORM PRE SPUD INSPECTION, SPUD AND DRILL 12.25" SU

CASING/WELL CONTROL	HOOKLOAD & TORQUE	HYDRAULICS	MUD GAS	Avg	Max
Last Casing:	Str Wt Up/Dn: /	Pump Rate: 0.0	Conn:		
Next Casing:	Str Wt Rot:	Pump Press: 0	Trip:		
Last BOP Press Test: 02/10/2012	Torq Off Btm:		Backgr:		
Form Test/EMW:	Torq On Btm:				

PERSONNEL	SURVEY DATA (LAST 6)									
	MD	Incl	Azi	TVD	N-S	E-W	VS	DLS	Build	
Supervisor 1: JIM REEVES										
Supervisor 2: DARRELL WERTHER										
Engineer: IVAN OTERO										
Geologist: TIM LYONS										
Oxy Personnel: 2										
Contractor Personnel: 11										
Total on Site: 13										

BIT RECORD										
Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
									--	--

BIT OPERATING PARAMETERS TODAY												
Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI

MUD DATA - M-J SWACO	
Engineer: Brandon Smith	MBT: 0.0 lbm/bbl
Sample From: In	pH: 8.0
Mud Type: Spud Mud	Pm / Pom: 0.00
Time / MD: 13:00 / .0	Pf / Mf: 0.1 / 0.2
Density @ Temp: 8.40 / 80	Chlorides: 600
Rheology Temp: 120	Ca+ / K+: 280 / 0
Viscosity: 26.00	CaCl2: 0.00
PV / YP: 1 / 1	Clom: 0.59
Gels 10s/10m/30m: 1 / 1 / 1	Lime: 0.00
API WL: 45.00	ES: 50.10
HTHP WL: 0.00	ECD: 0.00
Cake API / HTHP: 1.0 / .0	n / K: 0.00 / 0.000
Solids / Sol Corr: 0.00 / 0.00	Carbonate: 1 ppm
Oil / Water: 99.5 / 0.0	Bicarbonate: 0 ppm
Sand: 0.00	Form Loss: 0.0 / 0.0
Water Added: 0.0 bbl	Fluid Disch: /
Oil Added:	
LGS: 0.50 / 4.40	

LAST OR CURRENT BHA				
Component	OD	ID	Jts	Length

VG Meter: 1@3 / 1@6 / 1@100 / 1@200 / 2@300 / 3@600
 Comments: Transferred all mud inventory to new location. Plan to spud well circ. reserve pit. Drop 1-2 soap sticks per connection and 1 cup poly-plus down drill-string. Trickle 4-6cn MF-55 per tour at flow line. Pump 60-80vis sweeps every 100-150ft. or as needed. At approx. 1200ft. turn

MUD PRODUCTS		
Product	Units	Qty Used
AIR COMP RENT	EACH	1.00
DRIVE-BY ENGINEERING	EACH	1.00
PREMIX PIT RENTAL	EACH	1.00

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

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 USA

Date: 02/24/2012
 Report No: 3

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	6:00	6.00	01MIRU	LOCMOV	RU	P	RIGGING UP TO SPUD 12.25" SURFACE HOLE RIG UP BACK YARD, INSTALL 16" RISER WELDER REPAIRING SHAKER BOXES FILL PITS, WITH WATER LAY OUT STRAP, CALAPER BHA SET UP RACKS TO RECEIVE 9 5/8" CASING SAFETY BREAK: WORKING IN WINDY CONDITIONS
6:00	10:00	4.00	01MIRU	LOCMOV	RU	P	CALLED TRRC SPOKE TO AMY, TRRC JOB # 2296 WELD ON SHAKER BOX UNLOAD 9 5/8" CASING INSTALL SCREENS ON SHAKER WORK ON ELECTRICAL ON RIG WORK ON WEIGHT INDICATOR SAFETY BREAK DISCUSSED: SCOPING UP DERRICK
10:00	14:00	4.00	01MIRU	LOCMOV	RU	P	INSTALL TORQUE TUBE CHANGE OUT RUBBER SEALS & FRAMES ON SHAKER RAISE DERRICK BOARD SCOPE UP DERRICK @ 12:25 PM, RIG UP FLOOR 9 5/8" CASING ON LOCATION CLEAN, DRIFTED & STRAPED FMC WELL-HEAD ON LOCATION SAFETY BREAK DISCUSSED: WARM WEATHER, SNAKE, & SPIDER BITES
14:00	0:00	10.00	01MIRU	RIGMT	REP	PT	REPLACE DRAW-WORKS COOLING FANS SAFETY BREAK: USING PROPER TOOLS FOR THE JOB

Total Time 24.00

Safety Incident?	N	Days since Last RI:	51.00	Weather Comments:
Environ Incident?	N	Days since Last LTA:	414.00	
Incident Comments:				
1 INCIDENT, WHILE MAKING CONNECTION WITH 8" DC, WHEN THE DC CLEARED MOUSEHOLE, HAND TWISTED HIS BODY, NO FIRST AID, OR INJURY				

Other Remarks: EAST OF ANDREWS, TEXAS, AT INTERSECTION OF HIGHWAY 115 AND FM 1788, DRIVE (WEST) ON HIGHWAY 115, .50 MILES. TURN LEFT (SOUTH) ONTO LEASE ROAD. DRIVE 0.1 MILE, TURN LEFT (EAST) DRIVE 0.50 MILE, TO LOCATION.
 TRAILER TEL NUMBER: (713) 948-3590
 FLIGHT FOR LIFE DIRECTIONS: LATITUDE 32°21'21.70"N, LONGITUDE 102°24'02.04"W, NAD 27

SAFETY TOPIC OF THE DAY: PICKING UP BHA
 DAYS WORKED WITH NO LTA: 414
 DAYS SINCE LAST RI: 51
 NUMBER SAFETY MEETINGS: 8
 NUMBER NEAR MISSES: 0
 STOP CARDS: 2
 DAILY JSA'S REVIEWED: 16
 PERMITS TO WORK: X
 LO/TO: X
 PRE-SPUD INSPECTION: X
 POWER-LINE CHECK LIST: X
 SWA'S: X
 BEST STOP CARD OF THE DAY :OBSERVED EMPLOYEE RIDING ON FORKLIFT, STOPPED HIM AND THE OPERATOR WARNED HIM OF THE HAZARDS THEY COMPLIED AND JOB CONTINUED WITHOUT INCIDENT.
 TOTAL PT HRS FOR THE MONTH, 88

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY LEAH 8
 USA

Date: 02/25/2012
 Report No: 4

Wellbore / Top MD: 00 @ 0 ft Rig: SAVANNA 643 Ref Datum: ORIGINAL KB @3,078.80ft DFS: 1.00
 Today's MD: 1853 ft Progress: 1813 ft Ground Elev: 3,063.40 ft Daily Cost: \$30,443
 Prev MD: 40 ft Rot Hrs Today: 17.50 hr AFE MD/Days: 11,400.0 / 13.6 days Cum Cost: \$140,185
 PBMD: Avg ROP Today: 103.6 ft/hr AFE Number: 1146069#0102 AFE Cost: \$1,224,234

Current Formation: @ Lithology:
 Current Ops: RUNNING 9 5/8" SURFACE
 24-Hr Summary: SPUD 12.25" HOLE AND DRILL TO 1853'. CIRC HOLE CLEAN. TOH TO RUN 9 5/8 SURFACE CASING
 24-Hr Forecast: RR 03/07/2012, ROL 03/08/2012 TOH, RUN 9 5/8" CASING TO 1853'. PUMP CEMENT JOB, N/U BOP AND PSI TEST.

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS		Avg	Max
Last Casing:	16.000in @ 40ft	Str Wt Up/Dn:	80.0/ 78.0 kip	Pump Rate:	571.6	Conn:	0	0	
Next Casing:	5.500in @ 11,400ft	Str Wt Rot:	78.0 kip	Pump Press:	1200	Trip:	0	0	
Last BOP Press Test:	02/10/2012	Torq Off Btm:	3,000.0 ft-lbf			Backgr:	0	0	
Form Test/EMW:		Torq On Btm:	10,000.0 ft-lbf						

PERSONNEL		SURVEY DATA (LAST 6)								
Supervisor 1:	JIM REEVES	MD	Incl	Azi	TVD	N-S	E-W	VS	DLS	Build
Supervisor 2:	DARRELL WERTHER	1,773.0	0.50	0.00	1,772.93	14.4	0.0	14.4	0.09	0.09
Engineer:	IVAN OTERO	1,350.0	0.10	0.00	1,349.93	12.2	0.0	12.2	0.22	-0.22
Geologist:	TIM LYONS	1,032.0	0.80	0.00	1,031.95	9.7	0.0	9.7	0.03	0.03
Oxy Personnel:	2	412.0	0.60	0.00	411.99	2.2	0.0	2.2	0.15	0.15
Contractor Personnel:	12	0.0	0.00	0.00	0.00	0.0	0.0	0.0	0.00	0.00
Total on Site:	14									

BIT RECORD										
Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
1	12.250	ULTERRA DRILLING T	U519M	M13804	M323	7x11	40	1853	1-1-NO-A	D-I-NO-TD

BIT OPERATING PARAMETERS TODAY												
Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI
1	17.50	17.50	1813	1813	103.6	103.6	20.0/25.0	80/90	0.650	0	0.0	0.0

MUD DATA - M-I SWACO				LAST OR CURRENT BHA						
Engineer: Brandon Smith	MBT:	0.0 lbm/bbl	BHA No: 1	Bit No: 1	MD In: 40 ft					
Sample From: In	pH:	8.0	Purpose:	MD Out: 1853 ft						
Mud Type: Spud Mud	Pm / Pom:	0.00								
Time / MD: 19:35 / 1,610.0	Pf / Mf:	0.2 / 0.3								
Density @ Temp: 9.30 / 60	Chlorides:	1,500								
Rheology Temp: 120	Ca+ / K+:	440 / 0								
Viscosity: 38.00	CaCl2:	0.00								
PV / YP: 11 / 10	Clom:	0.61								
Gels 10s/10m/30m: 7 / 9 / 9	Lime:	0.00								
API WL: 6.00	ES:	200.40								
HTHP WL: 0.00	ECD:	0.00								
Cake API / HTHP: .0 / 0	n / K:	0.00 / 0.000								
Solids / Sol Corr: 0.10 / 0.00	Carbonate:	4 ppm								
Oil / Water: 92.8 / 0.0	Bicarbonate:	0 ppm								
Sand: 0.20	Form Loss:	0.0 / 0.0								
Water Added: 629.0 bbl	Fluid Disch:	/								
Oil Added:										
LGS: 7.20 / 65.30										
VG Meter: 6@3 / 7@6 / 13@100 / 18@200 / 21@300 / 32@600										
Comments: Drop 1-2 soap sticks per connection and 1 cup poly-plus down drill-string. Trickle 4-6cn MF-55 per tour at flow line. Pump 60-80vis sweeps every 100-150ft. or as needed. At approx. 1200ft. turn back to steel pits and begin adding Starch per DSM.										
			Total Length:	854.16 ft	Wt below Jars:					

MUD PRODUCTS		
Product	Units	Qty Used
AIR COMP RENT	EACH	1.00
CAUSTIC SODA	BG,50 LB	4.00
DRIVE-BY ENGINEERING	EACH	1.00
FIBER SEAL	BG,40 LB	7.00
MF-55	CAN,5 GA	5.00
M-I GEL BULK	TON	16.00
MY LO JEL	BG,50 LB	44.00
PREMIX PIT RENTAL	EACH	1.00
SODA ASH	BG,50 LB	12.00

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Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY LEAH 8
 USA

Date: 02/25/2012
 Report No: 4

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	1:00	1.00	01MIRU	RIGMT	REP	PT	REPLACE DRAW-WORKS COOLING FANS
1:00	1:30	0.50	06PRES	SAFE	PJSM	P	PRE SPUD INSPECTION AND PJSM ON PICKING UP BHA
1:30	6:00	4.50	14SUDR	DRILL	ROTVR	P	<p>PICK UP BHA AND SPUD 12.25" SURFACE HOLE @ 01:30 HRS</p> <p>PICK UP BHA AS FOLLOWS: 1) 12 1/4" PDC BIT (ULTERRA) 2) SHOCK SUB BORED FOR FLOAT 3) ROLLER REAMER (1/8") UNDER GAUGE 4) 1- 8" DC 5) ROLLER REAMER (1/8") UNDER GAUGE 6) 1-FLOW DRIFT 7) 2- 8" DC 8) 1- XO 6 1/2"XO, X 6 5/8" REG 9) 12 - 6 1/2" DC 10)12 - 4 1/2" HWDP</p> <p>DRILL 12 1/4" SURFACE HOLE FROM 40' TO 240'; 200' IN 4 HRS, AVG ROP 50 FPH WOB 5-15K. TD RPM 40, FLOW RATE 300-385 GPM, 103 PSI OFF BTM, 180 PSI ON BTM. TORQ 3K OFF BTM, 5K ON BTM.</p> <p>CIRCULATE OUTSIDE RESERVE</p> <p>PUMP 20 BBL 60+ VIS GEL SWEEP EVERY 60' WITH LCM IN IT ADD 1-2 SOAP STICKS, 1 CUP POLY PLUS EVERY CONNECTION ADD MF-55 AT FLOWLINE</p> <p>SAFETY BREAK DISCUSSED: PICKING UP DC'S.</p> <p>HAD A INCIDENT, WHILE PICKING UP & MAKING CONNECTION WITH 8" DC, HAND HAD HOLD OF DC WHEN DC CLEARED THE MOUSEHOLE IT CAUSED HIM TO TWIST. NO INJURY OR FIRST AID, REPORT ONLY</p>
6:00	10:00	4.00	14SUDR	DRILL	ROTVR	P	<p>DRILL 12 1/4" SURFACE HOLE PICKING UP BHA FROM 240' TO 610'; 370' IN 4 HRS, AVG ROP 93 FPH WOB 5-15K. TD RPM 80-90, FLOW RATE 550-600 GPM, 103 PSI OFF BTM, 850 PSI ON BTM. TORQ 3K OFF BTM, 9K ON BTM.</p> <p>survey @ 412 .6 deg</p> <p>CIRCULATE OUTSIDE RESERVE</p> <p>PUMP 20 BBL 60+ VIS GEL SWEEP EVERY 60' WITH LCM IN IT ADD 1-2 SOAP STICKS, 1 CUP POLY PLUS EVERY CONNECTION ADD MF-55 AT FLOWLINE</p> <p>SAFETY BREAK DISCUSSED: PJSM PICKING UP & MAKING CONNECTIONS WITH BHA</p>
10:00	13:00	3.00	14SUDR	DRILL	ROTVR	P	<p>DRILL 12 1/4" SURFACE HOLE PICKING UP BHA FROM 610' TO 1103'; 493' IN 3 HRS, AVG ROP 164 FPH WOB 5-15K. TD RPM 80-90, FLOW RATE 550-600 GPM, 103 PSI OFF BTM, 850 PSI ON BTM. TORQ 3K OFF BTM, 9K ON BTM.</p> <p>SURVEY@ 1032, .08 deg</p> <p>CIRCULATE OUTSIDE RESERVE</p> <p>PUMP 20 BBL 60+ VIS GEL SWEEP EVERY 60' WITH LCM IN IT ADD 1-2 SOAP STICKS, 1 CUP POLY PLUS EVERY CONNECTION ADD MF-55 AT FLOWLINE</p> <p>SAFETY BREAK DISCUSSED: FORK LIFT OPERATION</p>
13:00	14:00	1.00	14SUDR	RIGMT	SRVRIG	P	SERVICE RIG
14:00	14:30	0.50	14SUDR	DRILL	ROTVR	P	<p>DRILL 12 1/4" SURFACE HOLE FROM 1103' TO 1166'; 63' IN.50 HRS, AVG ROP 32 FPH WOB 5-15K. TD RPM 80-90, FLOW RATE 550-600 GPM, 103 PSI OFF BTM, 850 PSI ON BTM. TORQ 3K OFF BTM, 9K ON BTM.</p> <p>CIRCULATE OUTSIDE RESERVE</p> <p>PUMP 20 BBL 60+ VIS GEL SWEEP EVERY 60' WITH LCM IN IT ADD 1-2 SOAP STICKS, 1 CUP POLY PLUS EVERY CONNECTION ADD MF-55 AT FLOWLINE</p> <p>SAFETY BREAK DISCUSSED: USING STEEL PITS</p>
14:30	16:00	1.50	14SUDR	RIGMT	REP	PT	REPAIR HYD HOSE ON TOP DRIVE

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY LEAH 8
 USA

Date: 02/25/2012
Report No: 4

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
16:00	20:00	4.00	14SUDR	DRILL	ROTVR	P	DRILL 12 1/4" SURFACE HOLE FROM 1166' TO 1676 ' 510 IN 4 HRS, AVG ROP 127 FPH WOB 5-15K. TD RPM 80-90, FLOW RATE 550-600 GPM, 103 PSI OFF BTM, 850 PSI ON BTM. TORQ 3K OFF BTM, 9K ON BTM. CIRCULATE OUTSIDE RESERVE PUMP 20 BBL 60+ VIS GEL SWEEP EVERY 60' WITH LCM IN IT ADD 1-2 SOAP STICKS, 1 CUP POLY PLUS EVERY CONNECTION ADD MF-55 AT FLOWLINE SAFETY BREAK DISCUSSED PRE PLANNING ESCAPE ROUTE
20:00	21:30	1.50	14SUDR	DRILL	ROTVR	P	DRILL 12 1/4" SURFACE HOLE FROM 1676' TO 1853'; 177' IN 1.5 HRS, AVG ROP 118 FPH WOB 5-15K. TD RPM 80-90, FLOW RATE 550-600 GPM, 1000 PSI OFF BTM, 1200 PSI ON BTM. TORQ 3K OFF BTM, 10K ON BTM. TD 12.25" SURFACE HOLE @ 1853' @21:30 SURVEY @ 1773' .5 deg MW 9.3 VISCOSITY 41 CIRCULATE OUTSIDE RESERVE PUMP 20 BBL 60+ VIS GEL SWEEP EVERY 60' WITH LCM IN IT ADD 1-2 SOAP STICKS, 1 CUP POLY PLUS EVERY CONNECTION ADD MF-55 AT FLOWLINE SAFETY BREAK DISCUSSED:PAYING ATTENTION TO SURROUNDINGS
21:30	22:00	0.50	14SUDR	CIRC	CNDHOL	P	PUMP HIGH VIS SWEEP AND CIRCULATE HOLE CLEAN KILL PUMPS CHECK FOR FLOW WELLBORE STATIC HELD PJSM AND REVIEWED JSA ON TRIPPING OUT OF HOLE AND LAYING DOWN BHA SAFELY
22:00	23:00	1.00	14SUDR	RIGMT	REP	PT	HYDRAULIC HARD LINE BROKE ON TOP DRIVE HAD TO KILL HYDRAULIC PUMPS PLUG LINES AND REMOVE GRABBER BOX. LAID 1 JOINT DOWN AND ROTATED TABLE WHILE WORKING ON TOP DRIVE
23:00	0:00	1.00	14SUDR	TRIP	DRILL	P	TOH TO RUN 9 5/8" 36# J55 SURFACE CASING TO 1853' PULLED 5 STANDS AND CHECKED FOR FLOW WELL BORE STATIC TOH FROM 1853 TO 1200 HOLE TAKING PROPER FILL

Total Time 24.00

Safety Incident?	Y	Days since Last RI:	52.00	Weather Comments:
Environ Incident?	N	Days since Last LTA:	415.00	
Incident Comments:				
EMPLOYEE GOT FOOT PINCHED IN BETWEEN ROTARY TABLE TOE BOARD AND 8" DRILL COLLAR PIN.				

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY LEAH 8
USA

Date: 02/25/2012
Report No: 4

Other Remarks: EAST OF ANDREWS, TEXAS, AT INTERSECTION OF HIGHWAY 115 AND FM 1788, DRIVE (WEST) ON HIGHWAY 115, .50 MILES. TURN LEFT (SOUTH) ONTO LEASE ROAD. DRIVE 0.1 MILE, TURN LEFT (EAST) DRIVE 0.50 MILE, TO LOCATION. TRAILER TEL NUMBER: (713) 948-3590
FLIGHT FOR LIFE DIRECTIONS: LATITUDE 32°21'21.70"N, LONGITUDE 102°24'02.04"W, NAD 27

SAFETY TOPIC OF THE DAY: PICKING UP BHA

DAYS WORKED WITH NO LTA: 415

DAYS SINCE LAST RI: 52

NUMBER SAFETY MEETINGS:7

NUMBER NEAR MISSES: 0

STOP CARDS: 2

DAILY JSA'S REVIEWED: 14

PERMITS TO WORK: X

LO/TO: X

PRE-SPUD INSPECTION: X

POWER-LINE CHECK LIST: X

SWA'S: X

BEST STOP CARD OF THE DAY : WHILE USING SKATE TO LAY LDDP EMPLOYEE HAD HAND ON DRILL PIPE BELOW ELEVATORS. STOPPED THE JOB AND WARNED HIM OF THE HAZARDS, HE COMPLIED AND JOB CONTINUED WITHOUT INCIDENT

TOTAL PT HRS FOR THE MONTH, 91.5

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY LEAH 8
 USA

Date: 02/26/2012
 Report No: 5

Wellbore / Top MD: 00 @ 0 ft Rig: SAVANNA 643 Ref Datum: ORIGINAL KB @3,078.80ft DFS: 2.00
 Today's MD: 1853 ft Progress: 0 ft Ground Elev: 3,063.40 ft Daily Cost: \$93,883
 Prev MD: 1853 ft Rot Hrs Today: 0.00 hr AFE MD/Days: 11,400.0 / 13.6 days Cum Cost: \$234,067
 PBMD: Avg ROP Today: 0.0 ft/hr AFE Number: 1146069#0102 AFE Cost: \$1,224,234

Current Formation: @ Lithology:
 Current Ops: INSTALL WEAR BUSHING AND PICK UP BHA #2 TO DRILL 8 3/4" PRODUCTION HOLE TO 11400'
 24-Hr Summary: TOH, RUN 9 5/8" SURFACE CASING TO 1853'. PUMPED CEMENT JOB, INSTALLED WELL HEAD, AND NIPPLED UP.
 24-Hr Forecast: RR 03/07/2012, ROL 03/08/2012 N/U BOP, PSI TEST, P/U BHA, DRILL CEMENT & FLOAT EQUIPMENT, PERFORM FIT TEST AND DRILL 8 3/4"

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS		Avg	Max
Last Casing:	16.000in @ 40ft	Str Wt Up/Dn:	/	Pump Rate:	0.0	Conn:	0	0	0
Next Casing:	5.500in @ 11,400ft	Str Wt Rot:		Pump Press:	0	Trip:	0	0	0
Last BOP Press Test:	02/10/2012	Torq Off Btm:				Backgr:	0	0	0
Form Test/EMW:		Torq On Btm:							

PERSONNEL		SURVEY DATA (LAST 6)								
Supervisor 1:	JIM REEVES	MD	Incl	Azi	TVD	N-S	E-W	VS	DLS	Build
Supervisor 2:	DARRELL WERTHER	1,773.0	0.50	0.00	1,772.93	14.4	0.0	14.4	0.09	0.09
Engineer:	IVAN OTERO	1,350.0	0.10	0.00	1,349.93	12.2	0.0	12.2	0.22	-0.22
Geologist:	TIM LYONS	1,032.0	0.80	0.00	1,031.95	9.7	0.0	9.7	0.03	0.03
Oxy Personnel:	2	412.0	0.60	0.00	411.99	2.2	0.0	2.2	0.15	0.15
Contractor Personnel:	25	0.0	0.00	0.00	0.00	0.0	0.0	0.0	0.00	0.00
Total on Site:	27									

BIT RECORD										
Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
2	8.750	ULTERRA DRILLING T	U616M	M12229	M323	6x13	1853		--	--
1	12.250	ULTERRA DRILLING T	U519M	M13804	M323	7x11	40	1853	1-1-NO-A	D-I-NO-TD

BIT OPERATING PARAMETERS TODAY											
Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	HHPSI

MUD DATA - M-J SWACO				LAST OR CURRENT BHA			
Engineer: Brandon Smith	MBT: 0.0 lbm/bbl	BHA No: 2	Bit No: 2	MD In: 1853 ft			
Sample From: In	pH: 10.5	Purpose: DRILL 8 3/4" PRODUCTION HOLE	MD Out:				
Mud Type: Gel/Starch	Pm / Pom: 0.00						
Time / MD: 18:00 / 11,400.0	Pf / Mf: 0.5 / 1.0						
Density @ Temp: 9.40 / 75	Chlorides: 38,000						
Rheology Temp: 120	Ca+ / K+: 120 / 0						
Viscosity: 45.00	CaCl2: 0.00						
PV / YP: 8 / 23	Clom: 0.33						
Gels 10s/10m/30m: 15 / 17 / 21	Lime: 0.00						
API WL: 8.00	ES: 1.50						
HTHP WL: 0.00	ECD: 0.00						
Cake API / HTHP: 1.0 / .0	n / K: 0.00 / 0.000						
Solids / Sol Corr: 1.80 / 0.00	Carbonate: 10 ppm						
Oil / Water: 94.5 / 0.0	Bicarbonate: 0 ppm						
Sand: 1.00	Form Loss: 0.0 / 0.0						
Water Added: 0.0 bbl	Fluid Disch: /						
Oil Added:							
LGS: 5.50 / 49.80							
VG Meter: 1@3 / 1@6 / 1@100 / 1@200 / 2@300 / 3@600							
Comments: MW below 9.4ppg. Mix Caustic to maintain pH above 10.0. Add 6-8sxs. of Soda Ash per tour. Pump high-vis sweeps as needed to provide hole cleaning.							
		Total Length:	804.39 ft	Wt below Jars:			

MUD PRODUCTS		
Product	Units	Qty Used
AIR COMP RENT	EACH	1.00
DRIVE-BY ENGINEERING	EACH	1.00
PREMIX PIT RENTAL	EACH	1.00

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY LEAH 8
 USA

Date: 02/26/2012
Report No: 5

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	4:30	4.50	14SUDR	TRIP	DRILL	P	TOH TO RUN 9 5/8" 36# J55 SURFACE CASING TO 1853' TOH FROM 1200 TO 0 LAY DOWN SHOCK SUB, BIT,FLOW DRIFT, REAMERS AND 8" DRILL COLLARS HOLE TAKING PROPER FILL
4:30	5:00	0.50	14SUDR	SAFE	PJSM	P	HOLD PJSM AND REVIEW JSA WITH CASING CREW AND HANDS BEFORE RUNNING 9 5/8" SURFACE CASING TO 1853'
5:00	6:00	1.00	14SUDR	CSG	RIGUP	P	RIG UP CASING CREW TO RUN 9 5/8" SURFACE CASING TO 1853'
6:00	12:30	6.50	14SUDR	CSG	RUNCSG	P	RUN 9 5/8" CASING PER PROG TORQUE MINIMUM 3400, OPTIMUM 4530, MAXIMUM 5660 1- GUIDE SHOE, MODEL 112, THREAD LOCKED, TORQUED @ 5660 1- CASING JOINT, 9 5/8", 36#, J-55, LTC, THREAD LOCKED, TORQUED @ 5660 1- FLOAT COLLAR, MODEL 402E, THREAD LOCKED, TORQUED @ 5660 42- JOINTS, 9 5/8", 36#, J-55, LTC, TORQUED @ 4530 CENTRALIZERS 1- 10' UP FROM SHOE, WITH STOP RING 1- ON COUPLING ABOVE FLOAT COLLAR 1- EVERY 3 JOINTS TO CELLAR ON COUPLINGS RIG DOWN B&L
12:30	16:30	4.00	14SURC	CMT		P	PJSM & RIG UP HALLIBURTON CEMENT 9 5/8" CASING PER PROG PRESSURE TEST LINES TO LOW 250Psi, HI 3000Psi FOR 5 MINUTES FLUID 1: PUMP 20BBLs FRESH WATER SPACER FLUID 2: LEAD WITH 330 SKS PREMIUM PLUS CEMENT FLUID WEIGHT 13.50 LBM/GAL 94 LBM/SK PREMIUM PLUS CEMENT (CEMENT) SLURRY YIELD: 1.70 FT3/SK 4 % BENTONITE (ADDITIVE MATERIAL) TOTAL MIXING FLUID: 8.83 GAL/SK 2 % CALCIUM CHLORIDE (ACCELERATOR) TOP OF FLUID: 0 FT 2 LBM/SK KOL-SEAL (LOST CIRCULATION ADDITIVE)CALCULATED FILL: 1083.45 FT, VOLUME: 97.91, CALCULATED SACKS:323.93 SKS PROPOSED SACKS: 330 SKS ESTIMATED SLURRY PROPERTIES: THICKENING TIME: 03:30 COMPRESSIVE STRENGTHS @ 80 °F 24:00 1208 PSI 48:00 1615 PSI 72:00 1750 PSI FLUID 3: TAIL-IN WITH 300 SKS PREMIUM PLUS CEMENT FLUID WEIGHT 14.80 LBM/GAL 94 LBM/SK PREMIUM PLUS CEMENT (CEMENT) SLURRY YIELD: 1.36 FT3/SK 2 LBM/SK KOL-SEAL (LOST CIRCULATION ADDITIVE)TOTAL MIXING FLUID:6.27 GAL/SK 2 % CALCIUM CHLORIDE (ACCELERATOR) TOP OF FLUID: 1083.45 FT CALCULATED FILL: 766.55 FT VOLUME: 72.45 BBL, CALCULATED SACKS:300 SKS PROPOSED SACKS: 300 SKS ESTIMATED SLURRY PROPERTIES: THICKENING TIME: 02:30 COMPRESSIVE STRENGTHS @ 80 °F 24:00 1608 PSI,48:00 2172 PSI,72:00 2500 PSI
16:30	17:00	0.50	14SUDR	SAFE	PJSM	P	PJSM WITH FMC/ 24/7 WELDER/ MAN NIPPLEUP, PSI TESTER
17:00	22:00	5.00	14SUDR	WLHD	RWH	P	CLEAN OUT CELLAR CUT CASING, INSTALL WELL HEAD, TEST TO 1414PSI AND HOLD FOR 5 MIN. TEST GOOD, DSM WITNESS. JET AND CLEAN PITS AND FIX GRABBER BOX ON TOP DRIVE PSI TEST CHOKE MANIFOLD TO XXX PSI
22:00	22:30	0.50	14SUDR	BOP	RUBOP	P	HELD PJSM WITH NIPPLE UP CREW AND RIG HANDS
22:30	0:00	1.50	14SUDR	BOP	RUBOP	P	NIPPLE UP BOP AND INSTALL 4 1/2" PIPE RAMS
Total Time		24.00					

Safety Incident?	N	Days since Last RI:	53.00	Weather Comments:
Environ Incident?	N	Days since Last LTA:	416.00	
Incident Comments: No incidents reported last 24 hours.				

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY LEAH 8
USA

Date: 02/26/2012
Report No: 5

Other Remarks: EAST OF ANDREWS, TEXAS, AT INTERSECTION OF HIGHWAY 115 AND FM 1788, DRIVE (WEST) ON HIGHWAY 115, .50 MILES. TURN LEFT (SOUTH) ONTO LEASE ROAD. DRIVE 0.1 MILE, TURN LEFT (EAST) DRIVE 0.50 MILE, TO LOCATION. TRAILER TEL NUMBER: (713) 948-3590
FLIGHT FOR LIFE DIRECTIONS: LATITUDE 32°21'21.70"N, LONGITUDE 102°24'02.04"W, NAD 27

SAFETY TOPIC OF THE DAY: NIPPLE UP

DAYS WORKED WITH NO LTA: 416

DAYS SINCE LAST RI: 53

NUMBER SAFETY MEETINGS:4

NUMBER NEAR MISSES: 0

STOP CARDS: 2

DAILY JSA'S REVIEWED: 18

PERMITS TO WORK: 1

LO/TO: X

PRE-SPUD INSPECTION: X

POWER-LINE CHECK LIST: X

SWA'S: X

BEST STOP CARD OF THE DAY : OBSERVED THIRD PARTY EMPLOYEE SMOKING IN NON-DESIGNATED AREA.

STOPPED HIM AND INFORMED HIM OF OXY POLICY, HE COMPLIED AND MOVED TO DESIGNATED AREA.

TOTAL PT HRS FOR THE MONTH, 91.5

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY LEAH 8
USA

Date: 02/27/2012
Report No: 6

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details	
0:00	2:00	2.00	14SUDR	BOP	RUBOP	P	NIPPLE UP BOP AND INSTALL 4.5" PIPE RAMS,	
2:00	5:30	3.50	14SUDR	BOP	TSTBOP	P	TEST ANNULAR, BLIND AND PIPE RAMS TO 250 PSI LOW AND 2100 PSI HIGH AND HOLD FOR 5 MINUTES. TEST ALL LINES AND SURFACE EQUIPMENT BACK TO MUD PUMP TO 250 PSI LOW AND 2100 PSI HIGH. AND HOLD FOR 5 MINUTES. TEST 9 5/8" CASING TO 2100 PSI AND HOLD FOR 30 MIN.	
5:30	6:00	0.50	14SUDR	TRIP	PULD	P	INSTALL WEAR BUSHING AND PICK UP BHA AS FOLLOWS: 8 3/4" ULTERRA BIT 6.5" BAKER MOTOR 6.5" DC 8 3/4" ROLLER REAMER 1/8" UG FLOW DRIFT 6.5" DC 8 3/4" ROLLER REAMER 1/8" UG 10 6.5" DC 8 HWDP JARS 4 HWDP SAFETY BREAK: PICKING UP BHA	
6:00	13:00	7.00	14SUDR	TRIP	DRILL	P	TIH PICK UP 10 JOINTS OF 4 1/2" DP TAG CEMENT AT 1790' FIRM REMOVE ELEVATORS & BAILS SLIP & CUT DRILLING LINE PERFORM CHOKE DRILL	
13:00	14:30	1.50	14SUDR	DRLOUT	DOCMT	P	FILL PIPE DRILL CEMENT FROM 1790' TO 1804' DRILL PLUG, INSTALL ROTATING HEAD DRILL SHOE, 10' NEW FORMATION	
14:30	17:00	2.50	14SUDR	DRLOUT	FST	P	CIRCULATE, PREFORM FIT TEST 12.1 EMWT., 350Psi	
17:00	21:00	4.00	31PRDR	DRILL	MTRVER	P	DRILLING 8 3/4" PRODUCTION HOLE, FROM 1863' TO 2067'; 204', IN 4HRS AVG ROP 51 FPH WOB 10-15K. TD RPM 40-90, MM 81 RPMS, TOTAL RPM 170. FLOW RATE 510 GPM , 950 PSI OFF BOTTOM, 1160PSI ON BTM. TORQ. 5K OFF BTM, 9K ON BTM. CIRCULATE INSIDE RESERVE MUD WT 8.4 IN , 8.5OUT VIS 28 IN; 28 OUT PH 10.5 PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'. SAFETY BREAK DISCUSSED: MAKING CONNECTIONS	
21:00	0:00	3.00	31PRDR	DRILL	MTRVER	P	DRILLING 8 3/4" PRODUCTION HOLE, FROM 2067' TO 2386'; 319', IN 3 HRS AVG ROP 106 FPH WOB 10-15K. TD RPM 40-90, MM 81 RPMS, TOTAL RPM 170. FLOW RATE 510 GPM , 1100 PSI OFF BOTTOM, 1250 PSI ON BTM. TORQ. 5K OFF BTM, 9K ON BTM. CIRCULATE INSIDE RESERVE SURVEY @ 2193 .40 DEG SURVEY @ 2320 1.5 DEG MUD WT 8.5 IN , 8.5OUT VIS 28 IN; 28 OUT PH 11 PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'. SAFETY BREAK DISCUSSED: IMPORTANCE OF WEARING RESPIRATOR WHILE MIXING MUD	
Total Time		24.00						

Safety Incident? N Days since Last RI: 54.00 Weather Comments:

Environ Incident? N Days since Last LTA: 417.00

Incident Comments:

No incidents reported last 24 hours.

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY LEAH 8
USA

Date: 02/27/2012
Report No: 6

Other Remarks: EAST OF ANDREWS, TEXAS, AT INTERSECTION OF HIGHWAY 115 AND FM 1788, DRIVE (WEST) ON HIGHWAY 115, .50 MILES. TURN LEFT (SOUTH) ONTO LEASE ROAD. DRIVE 0.1 MILE, TURN LEFT (EAST) DRIVE 0.50 MILE, TO LOCATION.
TRAILER TEL NUMBER: (713) 948-3590
FLIGHT FOR LIFE DIRECTIONS: LATITUDE 32°21'21.70"N, LONGITUDE 102°24'02.04"W, NAD 27

SAFETY TOPIC OF THE DAY: NIPPLE UP
DAYS WORKED WITH NO LTA: 417
DAYS SINCE LAST RI: 54
NUMBER SAFETY MEETINGS:4
NUMBER NEAR MISSES: 0
STOP CARDS: 2
DAILY JSA'S REVIEWED: 16
PERMITS TO WORK: 0
LO/TO: X
PRE-SPUD INSPECTION: X
POWER-LINE CHECK LIST: X
SWA'S: X
BEST STOP CARD OF THE DAY : OBSERVED HAND STANDING IN BUFFER ZONE WHILE PICKING UP DRILL PIPE
STOPPED HIM AND EXPLAINED THE HAZARDS HE COMPLIED AND JOB CONTINUED WITHOUT INCIDENT

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY LEAH 8
 USA

Date: 02/28/2012
 Report No: 7

Wellbore / Top MD: 00 @ 0 ft Rig: SAVANNA 643 Ref Datum: ORIGINAL KB @3,078.80ft DFS: 4.00
 Today's MD: 4100 ft Progress: 1716 ft Ground Elev: 3,063.40 ft Daily Cost: \$61,186
 Prev MD: 2384 ft Rot Hrs Today: 18.50 hr AFE MD/Days: 11,400.0 / 13.6 days Cum Cost: \$345,281
 PBMD: Avg ROP Today: 92.8 ft/hr AFE Number: 1146069#0102 AFE Cost: \$1,224,234

Current Formation: @ Lithology:
 Current Ops: DRILLING 8.75" PRODUCTION HOLE TO 4570'
 24-Hr Summary: DRILLED 8.75" PRODUCTION HOLE TO 4100'. 5.5 HRS OF DOWN TIME DUE TO WEIGHT INDICATOR & TOP DRIVE
 24-Hr Forecast: RR 03/07/2012, ROL 03/08/2012 DRILL 8.75" PRODUCTION HOLE TO TD

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS		Avg	Max
Last Casing:	9.625in @ 1,853ft	Str Wt Up/Dn:	110.0/ 92.0 kip	Pump Rate:	615.6	Conn:	0	0	
Next Casing:	5.500in @ 11,400ft	Str Wt Rot:	98.0 kip	Pump Press:	2048	Trip:	0	0	
Last BOP Press Test:	02/27/2012	Torq Off Btm:	7,000.0 ft-lbf			Backgr:	0	0	
Form Test/EMW:	FIT / 12.12 ppg	Torq On Btm:	4,000.0 ft-lbf						

PERSONNEL		SURVEY DATA (LAST 6)								
		MD	Incl	Azi	TVD	N-S	E-W	VS	DLS	Build
Supervisor 1:	JIM REEVES	3,830.0	0.40	0.00	3,829.56	51.3	0.0	51.3	0.07	-0.07
Supervisor 2:	DARRELL WERTHER	3,335.0	0.80	0.00	3,334.64	43.2	0.0	43.2	0.05	-0.05
Engineer:	IVAN OTERO	3,134.0	0.90	0.00	3,133.67	40.3	0.0	40.3	0.20	-0.20
Geologist:	TIM LYONS	3,134.0	0.90	0.00	3,133.61	43.4	0.0	43.4	0.20	-0.20
Oxy Personnel:	2	2,834.0	1.50	0.00	2,833.73	34.0	0.0	34.0	0.06	0.06
Contractor Personnel:	11	2,834.0	1.50	0.00	2,833.68	37.1	0.0	37.1	0.00	0.00
Total on Site:	13									

BIT RECORD										
Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
2	8.750	ULTERRA DRILLING T	U616M	M12229	M323	6x13	1853		--	--

BIT OPERATING PARAMETERS TODAY												
Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI
2	18.50	25.50	1716	2247	92.8	88.1	10.0/20.0	80/90	0.778	577	253.9	3.4

MUD DATA - M-I SWACO					LAST OR CURRENT BHA					
Engineer:	John Kruczek	MBT:	6.2 lbm/bbl	BHA No:	2	Bit No:	2	MD In:	1853 ft	
Sample From:	In	pH:	10.5	Purpose:	DRILL 8 3/4" PRODUCTION HOLE					
Mud Type:	Saturated Salt	Pm / Pom:	0.00		MD Out:					
Time / MD:	23:40 / 4,130.0	Pf / Mf:	0.8 / 1.0							
Density @ Temp:	10.00 / 95	Chlorides:	164,000							
Rheology Temp:	120	Ca+ / K+:	2,040 / 0							
Viscosity:	29.00	CaCl2:	0.00							
PV / YP:	1 / 2	Clom:	0.42							
Gels 10s/10m/30m:	1 / 1 / 1	Lime:	0.00							
API WL:	45.00	ES:	2.50							
HTHP WL:	0.00	ECD:	0.00							
Cake API / HTHP:	1.0 / .0	n / K:	0.00 / 0.000							
Solids / Sol Corr:	9.40 / 0.00	Carbonate:	16 ppm							
Oil / Water:	98.0 / 0.0	Bicarbonate:	0 ppm							
Sand:	0.50	Form Loss:	0.0 / 0.0							
Water Added:	120.0 bbl	Fluid Disch:	/							
Oil Added:										
LGS:	1.80 / 16.50									
VG Meter:	1@3 / 1@6 / 1@100 / 2@200 / 3@300 / 4@600									
Comments:	CIRCULATED INNER RESERVE AND ALLOWED FLUID TO BRINE UP. PUMPED SWEEPS AS NEEDED. MIXED LIME TO MAINTAIN PH ABOVE 10.0. TRICKLED 4-6CN. PER TOUR MF-55 AT FLOWLINE. PLAN TO DISPLACE TO GEL MUD SYSTEM AT APPROX.				Total Length:	804.39 ft	Wt below Jars:			

MUD PRODUCTS		
Product	Units	Qty Used
AIR COMP RENT	EACH	1.00
DRIVE-BY ENGINEERING	EACH	1.00
LIME	BG,50 LB	80.00
MF-55	CAN,5 GA	9.00
M-I GEL BULK	TON	14.57
PREMIX PIT RENTAL	EACH	1.00
SODA ASH	BG,50 LB	24.00

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY LEAH 8
USA

Date: 02/28/2012
Report No: 7

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	4:00	4.00	31PRDR	DRILL	MTRVER	P	<p>DRILLING 8 3/4" PRODUCTION HOLE, FROM 2386' TO 2760'; 374', IN 4 HRS AVG ROP 94 FPH WOB 10-15K. TD RPM 40-90, MM 81 RPMS, TOTAL RPM 170. FLOW RATE 510 GPM , 1000 PSI OFF BOTTOM, 1200 PSI ON BTM. TORQ. 3K OFF BTM, 8K ON BTM.</p> <p>CIRCULATE INSIDE RESERVE</p> <p>SURVEY @ 2505 1.3 DOUBLE BACK REAMING TO CORRECT DEVIATION</p> <p>MUD WT 9.0 IN , 9.0OUT VIS 28 IN; 28 OUT PH 11</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'.</p> <p>SAFETY BREAK DISCUSSED:3 POINT CONTACT</p>
4:00	6:00	2.00	31PRDR	DRILL	MTRVER	P	<p>DRILLING 8 3/4" PRODUCTION HOLE, FROM 2760' TO 2986'; 226', IN 2 HRS AVG ROP 113 FPH WOB 10-15K. TD RPM 40-90, MM 81 RPMS, TOTAL RPM 170. FLOW RATE 510 GPM , 1000 PSI OFF BOTTOM, 1200 PSI ON BTM. TORQ. 4K OFF BTM, 7K ON BTM.</p> <p>SURVEY @ 2834' 1.5</p> <p>DOUBLE BACK REAMING TO CORRECT DEVIATION</p> <p>CIRCULATE INSIDE RESERVE</p> <p>MUD WT 9.4 IN , 9.4OUT VIS 28 IN; 28 OUT PH 11</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'.</p> <p>SAFETY BREAK DISCUSSED: LADDER USE</p>
6:00	10:00	4.00	31PRDR	DRILL	MTRVER	P	<p>DRILLING 8 3/4" PRODUCTION HOLE, FROM 2986' TO 3334'; 348', IN 4 HRS AVG ROP 87 FPH WOB 10-15K. TD RPM 90, MM 94 RPMS, TOTAL RPM 184. FLOW RATE 586 GPM , 1000 PSI OFF BOTTOM, 1650 PSI ON BTM. TORQ. 4K OFF BTM, 7K ON BTM.</p> <p>SURVEY @ 3134' , .9 deg DOUBLE BACK REAMING TO CORRECT DEVIATION</p> <p>CIRCULATE INSIDE RESERVE</p> <p>MUD WT 9.4 IN , 9.4OUT VIS 28 IN; 28 OUT PH 11</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'.</p> <p>SAFETY BREAK DISCUSSED: FORK LIFT OPERATION</p>
10:00	14:30	4.50	31PRDR	DRILL	MTRVER	P	<p>DRILLING 8 3/4" PRODUCTION HOLE, FROM 3334' TO 3770'; 436', IN 4.5 HRS AVG ROP 97 FPH WOB 10-15K. TD RPM 90, MM 94 RPMS, TOTAL RPM 184. FLOW RATE 586 GPM , 1000 PSI OFF BOTTOM, 1650 PSI ON BTM. TORQ. 4K OFF BTM, 7K ON BTM.</p> <p>SURVEY @ 3335' , .8 deg DOUBLE BACK REAMING TO CORRECT DEVIATION</p> <p>CIRCULATE INSIDE RESERVE MUD WT 9.0 IN , 9.1OUT VIS 30 IN; 30 OUT PH 11</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'.</p> <p>SAFETY BREAK DISCUSSED: FALL PROTECTION</p>
14:30	18:00	3.50	31PRDR	RIGMT	REP	PT	<p>WIND CAUGHT PLC CORD AND SNAGGED IT ON DERRICK. WAIT ON REPLACEMENT CORD AND ELECTRICIAN TO REPAIR.</p>

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY LEAH 8
 USA

Date: 02/28/2012
Report No: 7

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details	
18:00	21:00	3.00	31PRDR	DRILL	MTRVER	P	DRILLING 8 3/4" PRODUCTION HOLE, FROM 3770' TO 4012'; 241', IN 3 HRS AVG ROP 80 FPH WOB 10-15K. TD RPM 90, MM 94 RPMS, TOTAL RPM 184. FLOW RATE 600 GPM , 1700 PSI OFF BOTTOM, 2100 PSI ON BTM. TORQ. 4K OFF BTM, 7K ON BTM. SURVEY @ 3335', .8 deg DOUBLE BACK REAMING TO CORRECT DEVIATION CIRCULATE INSIDE RESERVE MUD WT 9.4 IN , 9.5OUT VIS 30 IN; 30 OUT PH 11 PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'. SAFETY BREAK DISCUSSED: DRIVING SAFETY	
21:00	23:00	2.00	31PRDR	RIGMT	REP	PT	WORKING ON WEIGHT INDICATOR. CANT KEEP CORRECT WEIGHT ON BIT .	
23:00	0:00	1.00	31PRDR	DRILL	MTRVER	P	DRILLING 8 3/4" PRODUCTION HOLE, FROM 4012' TO 4100'; 88', IN 1 HRS AVG ROP 88 FPH WOB 10-15K. TD RPM 90, MM 94 RPMS, TOTAL RPM 184. FLOW RATE 600 GPM , 1700 PSI OFF BOTTOM, 2100 PSI ON BTM. TORQ. 4K OFF BTM, 7K ON BTM. SURVEY @ 3900 .4 DEGREES CIRCULATE INSIDE RESERVE MUD WT 9.8 IN , 9.8OUT VIS 30 IN; 30 OUT PH 11 PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'. SAFETY BREAK DISCUSSED: BODY PLACEMENT	
Total Time		24.00						

Safety Incident?	N	Days since Last RI:	55.00
Environ Incident?	N	Days since Last LTA:	418.00
Incident Comments: No incidents reported last 24 hours.			

Weather Comments:

Other Remarks: EAST OF ANDREWS, TEXAS, AT INTERSECTION OF HIGHWAY 115 AND FM 1788, DRIVE (WEST) ON HIGHWAY 115, .50 MILES. TURN LEFT (SOUTH) ONTO LEASE ROAD. DRIVE 0.1 MILE, TURN LEFT (EAST) DRIVE 0.50 MILE, TO LOCATION. TRAILER TEL NUMBER: (713) 948-3590
 FLIGHT FOR LIFE DIRECTIONS: LATITUDE 32°21'21.70"N, LONGITUDE 102°24'02.04"W, NAD 27

SAFETY TOPIC OF THE DAY: NIPPLE UP
 DAYS WORKED WITH NO LTA: 418
 DAYS SINCE LAST RI: 55
 NUMBER SAFETY MEETINGS:4
 NUMBER NEAR MISSES: 0
 STOP CARDS: 2
 DAILY JSA'S REVIEWED: 16
 PERMITS TO WORK: 0
 LO/TO: X
 PRE-SPUD INSPECTION: X
 POWER-LINE CHECK LIST: X
 SWA'S: X
 BEST STOP CARD OF THE DAY : OBSERVED EMPLOYEE PRESSURE WASHING WITHOUT FACE SHIELD STOPPED THE JOB WARNED HIM OF THE HAZARDS HE COMPLIED AND JOB CONTINUED WITHOUT INCIDENT
 TOTAL PT HRS FOR THE MONTH, 97

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY LEAH 8
 USA

Date: 02/29/2012
 Report No: 8

Wellbore / Top MD: 00 @ 0 ft Rig: SAVANNA 643 Ref Datum: ORIGINAL KB @3,078.80ft DFS: 5.00
 Today's MD: 5725 ft Progress: 1625 ft Ground Elev: 3,063.40 ft Daily Cost: \$39,253
 Prev MD: 4100 ft Rot Hrs Today: 23.50 hr AFE MD/Days: 11,400.0 / 13.6 days Cum Cost: \$372,035
 PBMD: Avg ROP Today: 69.1 ft/hr AFE Number: 1146069#0102 AFE Cost: \$1,224,234

Current Formation: SAN ANDRES@5,200.0 Lithology:
 Current Ops: DRILLING 8.75" PRODUCTION HOLE @ 6145
 24-Hr Summary: DRILLED 8.75" PRODUCTION HOLE TO 5725'
 24-Hr Forecast: RR 03/07/2012, ROL 03/08/2012 DRILL 8.75" PRODUCTION HOLE TO 11400'

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS		Avg	Max
Last Casing:	9.625in @ 1,853ft	Str Wt Up/Dn:	140.0/ 118.0 kip	Pump Rate:	551.1	Conn:	50	50	
Next Casing:	5.500in @ 11,400ft	Str Wt Rot:	127.0 kip	Pump Press:	1940	Trip:	0	0	
Last BOP Press Test:	02/10/2012	Torq Off Btm:	4,000.0 ft-lbf			Backgr:	50	60	
Form Test/EMW:	FIT / 12.12 ppg	Torq On Btm:	9,000.0 ft-lbf						

PERSONNEL		SURVEY DATA (LAST 6)								
Supervisor 1:	JIM REEVES	MD	Incl	Azi	TVD	N-S	E-W	VS	DLS	Build
Supervisor 2:	DARRELL WERTHER	5,619.0	1.30	0.00	5,618.39	75.1	0.0	75.1	0.09	0.09
Engineer:	IVAN OTERO	4,978.0	0.70	0.00	4,977.49	63.9	0.0	63.9	0.00	0.00
Geologist:	TIM LYONS	4,349.0	0.70	0.00	4,348.54	56.3	0.0	56.3	0.06	0.06
Oxy Personnel:	2	3,830.0	0.40	0.00	3,829.56	51.3	0.0	51.3	0.07	-0.07
Contractor Personnel:	11	3,335.0	0.80	0.00	3,334.64	43.2	0.0	43.2	0.05	-0.05
Total on Site:	13	3,134.0	0.90	0.00	3,133.67	40.3	0.0	40.3	0.20	-0.20

BIT RECORD										
Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
2	8.750	ULTERRA DRILLING T	U616M	M12229	M323	6x13	1853		--	--

BIT OPERATING PARAMETERS TODAY												
Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI
2	23.50	49.00	1625	3872	69.1	79.0	20.0/25.0	90/95	0.778	430	227.3	2.3

MUD DATA - M-I SWACO				LAST OR CURRENT BHA								
Engineer: John Kruczek	MBT: 7.5 lbm/bbl	BHA No: 2	Bit No: 2	MD In: 1853 ft								
Sample From: In	pH: 10.0	Purpose: DRILL 8 3/4" PRODUCTION HOLE			MD Out:							
Mud Type: Freshwater/Gel	Pm / Pom: 0.00	Component							OD	ID	Jts	Length
Time / MD: 21:20 / 5,545.0	Pf / Mf: 0.6 / 0.7	HWDP	4.500	2.940	4	121.60						
Density @ Temp: 9.30 / 95	Chlorides: 64,000	DRILLING JAR	6.500	2.750	1	32.38						
Rheology Temp: 120	Ca+ / K+: 1,720 / 0	HWDP	4.500	2.940	8	244.09						
Viscosity: 36.00	CaCl2: 0.00	DRILL COLLAR	6.500	3.000	10	295.82						
PV / YP: 4 / 21	Clom: 0.21	3-POINT REAMER	8.750	2.250	1	6.62						
Gels 10s/10m/30m: 14 / 17 / 22	Lime: 0.00	DRILL COLLAR	6.370	2.780	1	28.79						
API WL: 45.00	ES: 6.00	ORIENTING SUB	6.500	2.180	1	4.96						
HTHP WL: 0.00	ECD: 9.69	3-POINT REAMER	8.750	2.250	1	7.76						
Cake API / HTHP: 2.0 / .0	n / K: 0.00 / 0.000	DRILL COLLAR	6.180	3.000	1	29.38						
Solids / Sol Corr: 3.30 / 0.00	Carbonate: 12 ppm	POSITIVE DISPLACEMENT MOTOR	7.000	1.812	1	31.99						
Oil / Water: 97.0 / 0.0	Bicarbonate: 0 ppm	PDC BIT	8.750	2.500	1	1.00						
Sand: 0.25	Form Loss: 0.0 / 0.0											
Water Added: 560.0 bbl	Fluid Disch: /											
Oil Added:												
LGS: 2.90 / 26.70												
VG Meter: 13@3 / 14@6 / 19@100 / 22@200 / 25@300 / 29@600												
Comments: DUMP AND DILUTE TO MAINTAIN WEIGHT BELOW 9.4PPG. MIX CAUSTIC TO KEEP PH ABOVE 10.0. ADD 6-8SXS SODA ASH PER TOUR. PUMP 60-80VIS SWEEPS EVERY 100-150FT. OR AS NEEDED.		Total Length:	804.39 ft	Wt below Jars:								

MUD PRODUCTS		
Product	Units	Qty Used
AIR COMP RENT	EACH	1.00
CAUSTIC SODA	BG,50 LB	8.00
DRIVE-BY ENGINEERING	EACH	1.00
LIME	BG,50 LB	15.00
MF-55	CAN,5 GA	2.00
M-I GEL BULK	TON	14.00
PREMIX PIT RENTAL	EACH	1.00
SODA ASH	BG,50 LB	10.00

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY LEAH 8
USA

Date: 02/29/2012
Report No: 8

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	0:30	0.50	31PRDR	RIGMT	SRVRIG	P	RIG SERVICE
0:30	4:30	4.00	31PRDR	DRILL	MTRVER	P	<p>DRILLING 8 3/4" PRODUCTION HOLE, FROM 4100' TO 4450'; 350', IN 4HRS AVG ROP 87 FPH WOB 15-20K. TD RPM 90, MM 94 RPMS, TOTAL RPM 184. FLOW RATE 600 GPM , 1900 PSI OFF BOTTOM, 2100 PSI ON BTM. TORQ. 4K OFF BTM, 8K ON BTM.</p> <p>SURVEY @ 4349 .7 DEG</p> <p>CIRCULATE INSIDE RESERVE MUD WT 10 IN , 10 OUT VIS 28 IN; 28 OUT PH 11</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'.</p> <p>SAFETY BREAK: STAYING FOCUSED LAST TWO HRS OF TOUR</p>
4:30	6:00	1.50	31PRDR	DRILL	MTRVER	P	<p>DRILLING 8 3/4" PRODUCTION HOLE, FROM 4450' TO 4570'; 120', IN 1.5 HRS AVG ROP 80 FPH WOB 15-20K. TD RPM 90, MM 94 RPMS, TOTAL RPM 184. FLOW RATE 600 GPM , 1900 PSI OFF BOTTOM, 2100 PSI ON BTM. TORQ. 4K OFF BTM, 8K ON BTM.</p> <p>CIRCULATE INSIDE RESERVE MUD WT 10 IN , 10 OUT VIS 28 IN; 28 OUT PH 11</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'.</p> <p>SAFETY BREAK: PAST ACCIDENTS</p>
6:00	10:00	4.00	31PRDR	DRILL	MTRVER	P	<p>DRILLING 8 3/4" PRODUCTION HOLE, FROM 4570' TO 4846'; 276', IN 4 HRS AVG ROP 69 FPH WOB 15-20K. TD RPM 90, MM 94 RPMS, TOTAL RPM 184. FLOW RATE 600 GPM , 1900 PSI OFF BOTTOM, 2100 PSI ON BTM. TORQ. 4K OFF BTM, 8K ON BTM.</p> <p>SURVEY @ 4780 .7 DEG</p> <p>CIRCULATE INSIDE RESERVE MUD WT 10 IN , 10 OUT VIS 28 IN; 28 OUT PH 11</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'.</p> <p>SAFETY BREAK: SLIPS TRIPS AND FALLS</p>
10:00	14:00	4.00	31PRDR	DRILL	MTRVER	P	<p>DRILLING 8 3/4" PRODUCTION HOLE, FROM 4846' TO 5076'; 230', IN 4 HRS AVG ROP 58 FPH WOB 15-20K. TD RPM 90, MM 94 RPMS, TOTAL RPM 184. FLOW RATE 600 GPM , 1900 PSI OFF BOTTOM, 2100 PSI ON BTM. TORQ. 4K OFF BTM, 8K ON BTM.</p> <p>SURVEY @ 4978 .7 DEG</p> <p>DISPLACE HOLE 745 BBLs</p> <p>CIRCULATE STEEL PITS MUD WT 8.8 IN , 8.7 OUT VIS 39 IN; 39 OUT PH 9</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'.</p> <p>SAFETY BREAK: PAYING ATTENTION TO SURROUNDINGS</p>

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY LEAH 8
 USA

Date: 02/29/2012
Report No: 8

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details	
14:00	18:00	4.00	31PRDR	DRILL	MTRVER	P	DRILLING 8 3/4" PRODUCTION HOLE, FROM 5076' TO 5308'; 232', IN 4 HRS AVG ROP 58 FPH WOB 15-20K. TD RPM 90, MM 94 RPMS, TOTAL RPM 184. FLOW RATE 600 GPM , 1900 PSI OFF BOTTOM, 2100 PSI ON BTM. TORQ. 4K OFF BTM, 8K ON BTM. CIRCULATE STEEL PITS MUD WT 8.8 IN , 8.9 OUT VIS 39 IN; 40 OUT PH 10 PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'. SAFETY BREAK: MIXING CAUSTIC	
18:00	22:00	4.00	31PRDR	DRILL	MTRVER	P	DRILLING 8 3/4" PRODUCTION HOLE, FROM 5308' TO 5573'; 265', IN 4 HRS AVG ROP 66 FPH WOB 15-20K. TD RPM 90, MM 94 RPMS, TOTAL RPM 184. FLOW RATE 600 GPM , 1900 PSI OFF BOTTOM, 2100 PSI ON BTM. TORQ. 4K OFF BTM, 8K ON BTM. SURVEY @ 5652 1.2 DEG CIRCULATE STEEL PITS MUD WT 9.0 IN , 9.0 OUT VIS 37 IN; 40 OUT PH 10 PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'. SAFETY BREAK: GOOD COMMUNICATION	
22:00	0:00	2.00	31PRDR	DRILL	MTRVER	P	DRILLING 8 3/4" PRODUCTION HOLE, FROM 5573' TO 5730'; 157', IN 2HRS AVG ROP 78 FPH WOB 15-20K. TD RPM 90, MM 94 RPMS, TOTAL RPM 184. FLOW RATE 600 GPM , 1900 PSI OFF BOTTOM, 2100 PSI ON BTM. TORQ. 4K OFF BTM, 8K ON BTM. SURVEY @ 5619 1.3 DEG CIRCULATE STEEL PITS MUD WT 9.0 IN , 9.0OUT VIS 37 IN; 39 OUT PH 10 PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'. SAFETY BREAK: PINCH POINTS	
Total Time		24.00						

Safety Incident?	N	Days since Last RI:	56.00	Weather Comments:
Environ Incident?	N	Days since Last LTA:	419.00	
Incident Comments: No incidents reported last 24 hours.				

Other Remarks: EAST OF ANDREWS, TEXAS, AT INTERSECTION OF HIGHWAY 115 AND FM 1788, DRIVE (WEST) ON HIGHWAY 115, .50 MILES. TURN LEFT (SOUTH) ONTO LEASE ROAD. DRIVE 0.1 MILE, TURN LEFT (EAST) DRIVE 0.50 MILE, TO LOCATION. TRAILER TEL NUMBER: (713) 948-3590
 FLIGHT FOR LIFE DIRECTIONS: LATITUDE 32°21'21.70"N, LONGITUDE 102°24'02.04"W, NAD 27

SAFETY TOPIC OF THE DAY: NIPPLE UP
 DAYS WORKED WITH NO LTA: 419
 DAYS SINCE LAST RI: 56
 NUMBER SAFETY MEETINGS:7
 NUMBER NEAR MISSES: 0
 STOP CARDS: 2
 DAILY JSA'S REVIEWED: 16
 PERMITS TO WORK: 0
 LO/TO: X
 PRE-SPUD INSPECTION: X
 POWER-LINE CHECK LIST: X
 SWA'S: X
 BEST STOP CARD OF THE DAY : OBSERVED EMPLOYEE RUNNING DOWN STAIRS, STOPPED HIM WARNED HIM OF THE HAZARDS HE COMPLIED AND JOB CONTINUED WITHOUT INCIDENT
 TOTAL PT HRS FOR THE MONTH, 97

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY LEAH 8
 USA

Date: 03/01/2012
 Report No: 9

Wellbore / Top MD: 00 @ 0 ft Rig: SAVANNA 643 Ref Datum: ORIGINAL KB @3,078.80ft DFS: 6.00
 Today's MD: 7345 ft Progress: 1620 ft Ground Elev: 3,063.40 ft Daily Cost: \$50,764
 Prev MD: 5725 ft Rot Hrs Today: 23.50 hr AFE MD/Days: 11,400.0 / 13.6 days Cum Cost: \$422,799
 PBMD: Avg ROP Today: 68.9 ft/hr AFE Number: 1146069#0102 AFE Cost: \$1,224,234

Current Formation: SAN ANDRES@5,200.0 Lithology:
 Current Ops: DRILLING 8.75" PRODUCTION HOLE @ 7521' @ 29 FPH
 24-Hr Summary: DRILLED 8.75" PRODUCTION HOLE TO 7345' @69 FPH
 24-Hr Forecast: RR 03/07/2012, ROL 03/08/2012 DRILL 8.75" PRODUCTION HOLE TO TD

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS		Avg	Max
Last Casing:	9.625in @ 1,853ft	Str Wt Up/Dn:	152.0/ 145.0 kip	Pump Rate:	562.8	Conn:	120		155
Next Casing:	5.500in @ 11,400ft	Str Wt Rot:	148.0 kip	Pump Press:	2100	Trip:	0		0
Last BOP Press Test:	02/10/2012	Torq Off Btm:	10,000.0 ft-lbf			Backgr:	107		115
Form Test/EMW:	FIT / 12.12 ppg	Torq On Btm:	5,000.0 ft-lbf						

PERSONNEL		SURVEY DATA (LAST 6)								
Supervisor 1:	JIM REEVES	MD	Incl	Azi	TVD	N-S	E-W	VS	DLS	Build
Supervisor 2:	DARRELL WERTHER	7,268.0	1.70	0.00	7,267.25	94.5	0.0	94.5	1.18	1.18
Engineer:	IVAN OTERO	7,200.0	0.90	0.00	7,199.26	92.9	0.0	92.9	0.22	0.22
Geologist:	TIM LYONS	6,882.0	0.20	0.00	6,881.28	89.9	0.0	89.9	0.06	-0.06
Oxy Personnel:	2	6,053.0	0.70	0.00	6,052.31	83.4	0.0	83.4	0.22	-0.22
Contractor Personnel:	11	5,872.0	1.10	0.00	5,871.33	80.5	0.0	80.5	0.11	-0.11
Total on Site:	13	5,682.0	1.30	0.00	5,681.37	76.6	0.0	76.6	0.00	0.00

BIT RECORD										
Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
2	8.750	ULTERRA DRILLING T	U616M	M12229	M323	6x13	1853		--	--

BIT OPERATING PARAMETERS TODAY												
Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI
2	23.50	72.50	1620	5492	68.9	75.8	20.0/30.0	80/90	0.778	439	231.0	2.4

MUD DATA - M-I SWACO				LAST OR CURRENT BHA									
Engineer:	John Kruczek	MBT:	10.0 lbm/bbl	BHA No:	2	Bit No:	2	MD In:	1853 ft				
Sample From:	In	pH:	10.0	Purpose:	DRILL 8 3/4" PRODUCTION HOLE				MD Out:				
Mud Type:	Freshwater/Gel	Pm / Pom:	0.00										
Time / MD:	20:20 / 7,235.0	Pf / Mf:	0.6 / 0.8										
Density @ Temp:	9.50 / 95	Chlorides:	42,000										
Rheology Temp:	120	Ca+ / K+:	1,400 / 0										
Viscosity:	37.00	CaCl2:	0.00										
PV / YP:	7 / 18	Clom:	0.36										
Gels 10s/10m/30m:	15 / 19 / 20	Lime:	0.00										
API WL:	45.00	ES:	6.00										
HTHP WL:	0.00	ECD:	9.91										
Cake API / HTHP:	2.0 / .0	n / K:	0.00 / 0.000										
Solids / Sol Corr:	2.00 / 0.00	Carbonate:	12 ppm										
Oil / Water:	94.0 / 0.0	Bicarbonate:	0 ppm										
Sand:	0.10	Form Loss:	0.0 / 0.0										
Water Added:	700.0 bbl	Fluid Disch:	/										
Oil Added:													
LGS:	6.00 / 54.40												
VG Meter:	14@3 / 15@6 / 20@100 / 22@200 / 25@300 / 32@600												
Comments:	DUMP AND DILUTE AS NECESSARY TO MAINTAIN WEIGHT BELOW 9.4PPG. MIX CAUSTIC TO MAINTAIN PH ABOVE 10.0. ADD 6-8SXS SODA ASH PER TOUR. PUMP 60-80VIS SWEEPS EVERY 100-150FT OR AS NEEDED.			Total Length:	804.39 ft	Wt below Jars:							

MUD PRODUCTS		
Product	Units	Qty Used
AIR COMP RENT	EACH	1.00
CAUSTIC SODA	BG,50 LB	20.00
DRIVE-BY ENGINEERING	EACH	1.00
DUO-VIS	BG,25 LB	3.00
M-I GEL BULK	TON	14.76
PECAN NUT PLUG CSE	BG,50 LB	16.00
PREMIX PIT RENTAL	EACH	1.00
SAPP	BG,50 LB	2.00
SODA ASH	BG,50 LB	18.00

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY LEAH 8
USA

Date: 03/01/2012
Report No: 9

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	4:00	4.00	31PRDR	DRILL	MTRVER	P	<p>DRILLING 8 3/4" PRODUCTION HOLE, FROM 5730' TO 6005'; 275', IN 4HRS AVG ROP 68 FPH WOB 20-30K. TD RPM 90, MM 94 RPMS, TOTAL RPM 184. FLOW RATE 600 GPM , 1900 PSI OFF BOTTOM, 2100 PSI ON BTM. TORQ. 4K OFF BTM, 8K ON BTM.</p> <p>SURVEY @ 5872 1.1 DEG</p> <p>CIRCULATE STEEL PITS MUD WT 9.0 IN , 9.2 OUT VIS 41 IN; 37OUT PH 10</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'.</p> <p>SAFETY BREAK DISCUSSED: FORKLIFT OPERATIONS</p>
4:00	6:00	2.00	31PRDR	DRILL	MTRVER	P	<p>DRILLING 8 3/4" PRODUCTION HOLE, FROM 6005' TO 6145'; 140', IN 2HRS AVG ROP 70 FPH WOB 20-30K. TD RPM 90, MM 94 RPMS, TOTAL RPM 184. FLOW RATE 600 GPM , 1900 PSI OFF BOTTOM, 2100 PSI ON BTM. TORQ. 4K OFF BTM, 8K ON BTM.</p> <p>SURVEY @ 6053', .7 DEG</p> <p>CIRCULATE STEEL PITS MUD WT 9.1 IN , 9.3OUT VIS 38 IN; 38 OUT PH 10</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'.</p> <p>SAFETY BREAK: USING PROPER TOOLS FOR THE JOB</p>
6:00	10:00	4.00	31PRDR	DRILL	MTRVER	P	<p>DRILLING 8 3/4" PRODUCTION HOLE, FROM 6145' TO 6518'; 373', IN 4 HRS AVG ROP 93 FPH WOB 20-30K. TD RPM 90, MM 94 RPMS, TOTAL RPM 184. FLOW RATE 600 GPM , 1900 PSI OFF BOTTOM, 2100 PSI ON BTM. TORQ. 4K OFF BTM, 8K ON BTM.</p> <p>CIRCULATE STEEL PITS MUD WT 9.X IN , 9.X OUT VIS 41 IN; 37OUT PH 10</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'.</p> <p>SAFETY BREAK: SAFE DRIVING PRACTICES</p>
10:00	14:00	4.00	31PRDR	DRILL	MTRVER	P	<p>DRILLING 8 3/4" PRODUCTION HOLE, FROM 6518' TO 6874'; 356', IN 4 HRS AVG ROP 89 FPH WOB 20-30K. TD RPM 90, MM 94 RPMS, TOTAL RPM 184. FLOW RATE 600 GPM , 1900 PSI OFF BOTTOM, 2100 PSI ON BTM. TORQ. 4K OFF BTM, 8K ON BTM.</p> <p>CIRCULATE STEEL PITS MUD WT 9.X IN , 9.X OUT VIS 41 IN; 37OUT PH 10</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'.</p> <p>SAFETY BREAK:WORKING IN HIGH WIND</p>
14:00	16:30	2.50	31PRDR	DRILL	MTRVER	P	<p>DRILLING 8 3/4" PRODUCTION HOLE, FROM 6874' TO 7083'; 209', IN 2.5 HRS AVG ROP 84 FPH WOB 20-30K. TD RPM 90, MM 94 RPMS, TOTAL RPM 184. FLOW RATE 600 GPM , 1900 PSI OFF BOTTOM, 2100 PSI ON BTM. TORQ. 4K OFF BTM, 8K ON BTM.</p> <p>CIRCULATE STEEL PITS MUD WT 9.3 IN , 8.8 OUT VIS 42 IN; 42OUT PH 10</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'.</p> <p>SAFETY BREAK: REVIEW JSA FOR RIG SERVICE</p>
16:30	17:00	0.50	31PRDR	RIGMT	SRVRIG	P	RIG SERVICE

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY LEAH 8
 USA

Date: 03/01/2012
Report No: 9

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details	
17:00	21:00	4.00	31PRDR	DRILL	MTRVER	P	DRILLING 8 3/4" PRODUCTION HOLE, FROM 7083' TO 7257'; 174', IN 4 HRS AVG ROP 44 FPH WOB 20-30K. TD RPM 90, MM 94 RPMS, TOTAL RPM 184. FLOW RATE 600 GPM , 1900 PSI OFF BOTTOM, 2100 PSI ON BTM. TORQ. 4K OFF BTM, 8K ON BTM. SURVEY @ 7200 .9 DEG CIRCULATE STEEL PITS MUD WT 9.4 IN , 9.5 OUT VIS 38 IN;45OUT PH 10 PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'. SAFETY BREAK: PREVENTATIVE MAINTENANCE	
21:00	0:00	3.00	31PRDR	DRILL	MTRVER	P	DRILLING 8 3/4" PRODUCTION HOLE, FROM 7257' TO 7345'; 88', IN 3 HRS AVG ROP 29 FPH WOB 20-30K. TD RPM 90, MM 94 RPMS, TOTAL RPM 184. FLOW RATE 600 GPM , 1900 PSI OFF BOTTOM, 2100 PSI ON BTM. TORQ.5K OFF BTM, 10K ON BTM. SURVEY @ 7270 1.7 DEG DOUBLE BACK REAMING TO CORRECT DEVIATION CIRCULATE STEEL PITS MUD WT 9.1IN , 9.2 OUT VIS 40 IN; 38OUT PH 10 PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'. SAFETY BREAK: GOOD HOUSE KEEPING	
Total Time		24.00						

Safety Incident? N **Days since Last RI:** 57.00
Environ Incident? N **Days since Last LTA:** 420.00

Weather Comments:
Incident Comments:
 No incidents reported last 24 hours.

Other Remarks: EAST OF ANDREWS, TEXAS, AT INTERSECTION OF HIGHWAY 115 AND FM 1788, DRIVE (WEST) ON HIGHWAY 115, .50 MILES. TURN LEFT (SOUTH) ONTO LEASE ROAD. DRIVE 0.1 MILE, TURN LEFT (EAST) DRIVE 0.50 MILE, TO LOCATION. TRAILER TEL NUMBER: (713) 948-3590
 FLIGHT FOR LIFE DIRECTIONS: LATITUDE 32°21'21.70"N, LONGITUDE 102°24'02.04"W, NAD 27

SAFETY TOPIC OF THE DAY: GOOD COMMUNICATION
 DAYS WORKED WITH NO LTA: 420
 DAYS SINCE LAST RI: 57
 NUMBER SAFETY MEETINGS:7
 NUMBER NEAR MISSES: 0
 STOP CARDS: 2
 DAILY JSA'S REVIEWED: 15
 PERMITS TO WORK: 0
 LO/TO: X
 PRE-SPUD INSPECTION: X
 POWER-LINE CHECK LIST: X
 SWA'S: X
 BEST STOP CARD OF THE DAY : OBSERVED 3RD PARTY BACKING UP TRUCK WITHOUT A SPOTTER STOPPED HIM AND INFORMED HIM OF OXY POLICY, HE COMPLIED AND SPOTTER WAS USED, JOB CONTINUED WITHOUT INCIDENT
 TOTAL PT HRS FOR THE MONTH,

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY LEAH 8
 USA

Date: 03/02/2012
 Report No: 10

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	0:30	0.50	31PRDR	DRILL	MTRVER	P	<p>DRILLING 8 3/4" PRODUCTION HOLE, FROM 7345' TO 7357'; 12', IN .5 HRS AVG ROP 24FPH WOB 20-30K. TD RPM 90, MM 94 RPMS, TOTAL RPM 184. FLOW RATE 600 GPM , 1900 PSI OFF BOTTOM, 2100 PSI ON BTM. TORQ.5K OFF BTM, 10K ON BTM.</p> <p>DOUBLE BACK REAMING TO CORRECT DEVIATION</p> <p>CIRCULATE STEEL PITS MUD WT 9.1IN , 9.2 OUT VIS 40 IN; 38OUT PH 10</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'.</p>
0:30	1:00	0.50	31PRDR	DRILL	MTRVER	PT	<p>DRILLING 8 3/4" PRODUCTION HOLE, FROM 7357' TO 7370'; 13', IN .5 HRS AVG ROP 24FPH WOB 20-30K. TD RPM 90, MM 57 RPMS, TOTAL RPM 147. FLOW RATE 357 GPM , 1000 PSI OFF BOTTOM, 1297 PSI ON BTM. TORQ.5K OFF BTM, 10K ON BTM.</p> <p>DOUBLE BACK REAMING TO CORRECT DEVIATION</p> <p>CHANGING LINER GASKET ON # 2 PUMP PUMP # 2 DOWN UNABLE TO OBTAIN SURVEY</p> <p>CIRCULATE STEEL PITS MUD WT 9.1IN , 9.2 OUT VIS 40 IN; 38OUT PH 10</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'.</p> <p>SAFETY BREAK DISCUSSED: WORKING ON PUMPS</p>
1:00	2:00	1.00	31PRDR	DRILL	MTRVER	P	<p>DRILLING 8 3/4" PRODUCTION HOLE, FROM 7370' TO 7401'; 31', IN 1 HRS AVG ROP 31 FPH WOB 20-30K. TD RPM 90, MM 94 RPMS, TOTAL RPM 184. FLOW RATE 600 GPM , 1900 PSI OFF BOTTOM, 2100 PSI ON BTM. TORQ.5K OFF BTM, 10K ON BTM.</p> <p>DOUBLE BACK REAMING TO CORRECT DEVIATION</p> <p>UNABLE TO OBTAIN SURVEY</p> <p>CIRCULATE STEEL PITS MUD WT 9.1IN , 9.2 OUT VIS 40 IN; 38OUT PH 10</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'.</p> <p>SAFETY BREAK DISCUSSED: FORKLIFT SAFETY</p>
2:00	2:30	0.50	31PRDR	RIGMT	SRVRIG	P	RIG SERVICE
2:30	3:30	1.00	31PRDR	DRILL	MTRVER	PT	<p>DRILLING 8 3/4" PRODUCTION HOLE, FROM 7401' TO 7426'; 25', IN 1 HRS AVG ROP 25 FPH WOB 20-30K. TD RPM 90, MM 60 RPMS, TOTAL RPM 150. FLOW RATE 377 GPM , 800 PSI OFF BOTTOM, 1200 PSI ON BTM. TORQ.5K OFF BTM, 10K ON BTM.</p> <p>#2 PUMP DOWN CHANGED PLUNGER ON POP OFF AND RETRIEVED SURVEY</p> <p>DOUBLE BACK REAMING TO CORRECT DEVIATION CONTROL DRILLING TO CORRECT DEVIATION</p> <p>CIRCULATE STEEL PITS MUD WT 9.1IN , 9.1OUT VIS 40 IN; 38OUT PH 10.5</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'.</p> <p>SAFETY BREAK DISCUSSED: IMPORTANCE OF PPE</p>

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY LEAH 8
 USA

Date: 03/02/2012
 Report No: 10

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
3:30	6:00	2.50	31PRDR	DRILL	MTRVER	P	<p>DRILLING 8 3/4" PRODUCTION HOLE, FROM 7426' TO 7500'; 74', IN 2.5 HRS AVG ROP 30 FPH WOB 20-30K. TD RPM 90, MM 94 RPMS, TOTAL RPM 184. FLOW RATE 589 GPM , 1900 PSI OFF BOTTOM, 2100PSI ON BTM. TORQ.5K OFF BTM, 10K ON BTM.</p> <p>DOUBLE BACK REAMING TO CORRECT DEVIATION CONTROL DRILLING TO CORRECT DEVIATION</p> <p>SURVEY @ 7348 2.0 DEG SURVEY @ 7398 2.0 DEG</p> <p>CIRCULATE STEEL PITS MUD WT 9.1IN , 9.2OUT VIS 39 IN; 38OUT PH 10.5</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'.</p> <p>SAFETY BREAK DISCUSSED: STAYING FOCUSED LAST TWO HRS OF TOUR</p>
6:00	8:30	2.50	31PRDR	DRILL	MTRVER	P	<p>DRILLING 8 3/4" PRODUCTION HOLE, FROM 7500' TO 7538'; 38', IN 2.5 HRS AVG ROP 15 FPH WOB 20-30K. TD RPM 90, MM 94 RPMS, TOTAL RPM 184. FLOW RATE 589 GPM , 1900 PSI OFF BOTTOM, 2100PSI ON BTM. TORQ.5K OFF BTM, 10K ON BTM.</p> <p>DOUBLE BACK REAMING TO CORRECT DEVIATION CONTROL DRILLING TO CORRECT DEVIATION</p> <p>CIRCULATE STEEL PITS MUD WT 9.1IN , 9.2OUT VIS 39 IN; 38OUT PH 10.5</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'.</p> <p>SAFETY BREAK DISCUSSED: TUBLAR MAINTANCE</p>
8:30	9:30	1.00	31PRDR	DRILL	MTRVER	PT	<p>DRILLING 8 3/4" PRODUCTION HOLE, FROM 7521' TO 7555'; 17', IN 1 HRS AVG ROP 17 FPH WOB 15-18K. TD RPM 90, MM 62 RPMS, TOTAL RPM 151. FLOW RATE 385 GPM , 920 PSI OFF BOTTOM, 1091PSI ON BTM. TORQ 3K OFF BTM, 9K ON BTM.</p> <p>DRILLING WITH #2 PUMP, CENTER SWAB & LINNERT OUT DOUBLE BACK REAMING TO CORRECT DEVIATION CONTROL DRILLING TO CORRECT DEVIATION</p> <p>SURVEY @ 7453 2.4 DEG</p> <p>CIRCULATE STEEL PITS MUD WT 9.1IN , 9.2OUT VIS 39 IN; 38OUT PH 10.5</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'.</p> <p>SAFETY BREAK DISCUSSED: VEHICLE SAFETY</p>
9:30	13:30	4.00	31PRDR	DRILL	MTRVER	P	<p>DRILLING 8 3/4" PRODUCTION HOLE, FROM 7555' TO 7707'; 152', IN 4 HRS AVG ROP 38 FPH WOB 18 - 30K. TD RPM 90, MM 96 RPMS, TOTAL RPM 186. FLOW RATE 600 GPM , 1850 PSI OFF BOTTOM, 2425PSI ON BTM. TORQ 5K OFF BTM, 11K ON BTM.</p> <p>DOUBLE BACK REAMING TO CORRECT DEVIATION</p> <p>SURVEY @ 7522', 2.2 DEG</p> <p>CIRCULATE STEEL PITS MUD WT 9.1IN , 9.2OUT VIS 39 IN; 38OUT PH 10.5</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'.</p> <p>SAFETY BREAK DISCUSSED: DRIVING ON LOCATION</p>

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY LEAH 8
 USA

Date: 03/02/2012
Report No: 10

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
13:30	17:30	4.00	31PRDR	DRILL	MTRVER	P	DRILLING 8 3/4" PRODUCTION HOLE, FROM 7707' TO 7874'; XX', IN 4 HRS AVG ROP 42 FPH WOB 18 - 30K. TD RPM 90, MM 96 RPMS, TOTAL RPM 186. FLOW RATE 600 GPM , 1850 PSI OFF BOTTOM, 2425PSI ON BTM. TORQ 5K OFF BTM, 11K ON BTM. DOUBLE BACK REAMING TO CORRECT DEVIATION SURVEY @ 7771', 2.4 DEG CIRCULATE STEEL PITS MUD WT 9.1IN , 9.2OUT VIS 39 IN; 38OUT PH 10.5 PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'. SAFETY BREAK DISCUSSED: PICKING UP DP OFF CATWALK WITH HOIST.
17:30	21:30	4.00	31PRDR	DRILL	MTRVER	P	DRILLING 8 3/4" PRODUCTION HOLE, FROM 7874' TO 8038'; 164', IN 4 HRS AVG ROP 41FPH WOB 18 - 30K. TD RPM 90, MM 96 RPMS, TOTAL RPM 186. FLOW RATE 600 GPM , 1850 PSI OFF BOTTOM. 2425PSI ON BTM. TORQ 5K OFF BTM, 11K ON BTM. DOUBLE BACK REAMING TO CORRECT DEVIATION SURVEY @ 7895', .7 DEG SURVEY @ 7967' 2.2 DEG CIRCULATE STEEL PITS MUD WT 9.4IN , 9.4OUT VIS 39 IN; 38OUT PH 10.5 PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'. SAFETY BREAK DISCUSSED: LINE OF FIRE
21:30	0:00	2.50	31PRDR	DRILL	MTRVER	P	DRILLING 8 3/4" PRODUCTION HOLE, FROM 8038' TO 8170'; 132', IN 2.5 HRS AVG ROP 53 FPH WOB 18 - 30K. TD RPM 90, MM 96 RPMS, TOTAL RPM 186. FLOW RATE 600 GPM , 1850 PSI OFF BOTTOM, 2425PSI ON BTM. TORQ 5K OFF BTM, 11K ON BTM. DOUBLE BACK REAMING TO CORRECT DEVIATION SURVEY @ 8030', 3.3 DEG SURVEY @ 8090', 2.2 DEG CIRCULATE STEEL PITS MUD WT 9.4IN , 9.4OUT VIS 39 IN; 38OUT PH 10.5 PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'. SAFETY BREAK DISCUSSED: TEAM WORK

Total Time 24.00

Safety Incident?	N	Days since Last RI:	58.00	Weather Comments:
Environ Incident?	N	Days since Last LTA:	421.00	
Incident Comments: No incidents reported last 24 hours.				

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY LEAH 8
USA

Date: 03/02/2012
Report No: 10

Other Remarks: EAST OF ANDREWS, TEXAS, AT INTERSECTION OF HIGHWAY 115 AND FM 1788, DRIVE (WEST) ON HIGHWAY 115, .50 MILES. TURN LEFT (SOUTH) ONTO LEASE ROAD. DRIVE 0.1 MILE, TURN LEFT (EAST) DRIVE 0.50 MILE, TO LOCATION. TRAILER TEL NUMBER: (713) 948-3590
FLIGHT FOR LIFE DIRECTIONS: LATITUDE 32°21'21.70"N, LONGITUDE 102°24'02.04"W, NAD 27

SAFETY TOPIC OF THE DAY: GOOD COMMUNICATION

DAYS WORKED WITH NO LTA: 421

DAYS SINCE LAST RI: 58

NUMBER SAFETY MEETINGS:10

NUMBER NEAR MISSES: 0

STOP CARDS: 2

DAILY JSA'S REVIEWED: 13

PERMITS TO WORK: 0

LO/TO: X

PRE-SPUD INSPECTION: X

POWER-LINE CHECK LIST: X

SWA'S: X

BEST STOP CARD OF THE DAY : OBSERVED EMPLOYEE NOT WEARING SAFETY GLASSES, STOPPED HIM WARNED HIM OF THE HAZARDS, HE COMPLIED AND JOB CONTINUED WITHOUT INCIDENT

TOTAL PT HRS FOR THE MONTH, 2 HRS

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY LEAH 8
 USA

Date: 03/03/2012
 Report No: 11

Wellbore / Top MD: 00 @ 0 ft Rig: SAVANNA 643 Ref Datum: ORIGINAL KB @3,078.80ft DFS: 8.00
 Today's MD: 9064 ft Progress: 894 ft Ground Elev: 3,063.40 ft Daily Cost: \$42,305
 Prev MD: 8170 ft Rot Hrs Today: 17.00 hr AFE MD/Days: 11,400.0 / 13.6 days Cum Cost: \$499,202
 PBMD: Avg ROP Today: 52.6 ft/hr AFE Number: 1146069#0102 AFE Cost: \$1,224,234

Current Formation: SPRABERRY@8,450.0 Lithology:
 Current Ops: TIH WITH BHA #3
 24-Hr Summary: DRILLED 8.75" PRODUCTION HOLE TO 9064'. TOH FOR BHA #3
 24-Hr Forecast: RR 03/07/2012, ROL 03/08/2012 TOH, TIH WITH BHA #3 AND DRILL 7 7/8" PRODUCTION HOLE TO 11400'

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS		Avg	Max
Last Casing:	9.625in @ 1,853ft	Str Wt Up/Dn:	170.0/ 160.0 kip	Pump Rate:	577.4	Conn:	407	502	
Next Casing:	5.500in @ 11,400ft	Str Wt Rot:	165.0 kip	Pump Press:	2450	Trip:	0	0	
Last BOP Press Test:	02/10/2012	Torq Off Btm:	5,000.0 ft-lbf			Backgr:	427	430	
Form Test/EMW:	FIT / 12.12 ppg	Torq On Btm:	11,000.0 ft-lbf						

PERSONNEL		SURVEY DATA (LAST 6)								
		MD	Incl	Azi	TVD	N-S	E-W	VS	DLS	Build
Supervisor 1:	JIM REEVES	8,787.0	1.10	0.00	8,785.24	148.4	0.0	148.4	0.26	-0.26
Supervisor 2:	DARRELL WERTHER	8,211.0	2.60	0.00	8,209.56	129.8	0.0	129.8	0.47	0.47
Engineer:	IVAN OTERO	8,147.0	2.30	0.00	8,145.61	127.0	0.0	127.0	0.19	0.19
Oxy Personnel:	2	3,536.0			3,535.64	44.6	0.0	44.6	0.40	-0.40
Contractor Personnel:	11	2,196.0			2,195.92	16.3	0.0	16.3	0.12	-0.12
Total on Site:	13	8,093.0	2.20	0.00	8,091.66	124.9	0.0	124.9	1.75	-1.75

BIT RECORD										
Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
2	8.750	ULTERRA DRILLING T	U616M	M12229	M323	6x13	1853	9064	2-2-WT-M	D-1-CT-PP

BIT OPERATING PARAMETERS TODAY												
Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI
2	17.00	113.00	894	7211	52.6	63.8	18.0/25.0	90/95	0.778	477	238.0	2.7

MUD DATA - M-I SWACO				LAST OR CURRENT BHA							
Engineer:	John Kruczek	MBT:	12.5 lbm/bbl	BHA No:	2	Bit No:	2	MD In:	1853 ft		
Sample From:	In	pH:	10.0	Purpose:	DRILL 8 3/4" PRODUCTION HOLE			MD Out:	9064 ft		
Mud Type:	Freshwater/Gel	Pm / Pom:	0.00	Component				OD	ID	Jts	Length
Time / MD:	22:00 / 9,064.0	Pf / Mf:	0.7 / 0.8	HWDP	4.500	2.940	4	121.60			
Density @ Temp:	9.50 / 95	Chlorides:	38,000	DRILLING JAR	6.500	2.750	1	32.38			
Rheology Temp:	120	Ca+ / K+:	960 / 0	HWDP	4.500	2.940	8	244.09			
Viscosity:	37.00	CaCl2:	0.00	DRILL COLLAR	6.500	3.000	10	295.82			
PV / YP:	7 / 13	Clom:	0.43	3-POINT REAMER	8.750	2.250	1	6.62			
Gels 10s/10m/30m:	14 / 17 / 20	Lime:	0.00	DRILL COLLAR	6.370	2.780	1	28.79			
API WL:	45.00	ES:	7.00	ORIENTING SUB	6.500	2.180	1	4.96			
HTHP WL:	0.00	ECD:	9.65	3-POINT REAMER	8.750	2.250	1	7.76			
Cake API / HTHP:	2.0 / .0	n / K:	0.00 / 0.000	DRILL COLLAR	6.180	3.000	1	29.38			
Solids / Sol Corr:	1.80 / 0.00	Carbonate:	14 ppm	POSITIVE DISPLACEMENT MOTOR	7.000	1.812	1	31.99			
Oil / Water:	94.0 / 0.0	Bicarbonate:	0 ppm	PDC BIT	8.750	2.500	1	1.00			
Sand:	0.10	Form Loss:	0.0 / 0.0								
Water Added:	500.0 bbl	Fluid Disch:	/								
Oil Added:											
LGS:	6.20 / 56.80										
VG Meter:	14@3 / 15@6 / 17@100 / 19@200 / 20@300 / 27@600										
Comments:	DUMP AND DILUTE AS NECESSARY TO MAINTAIN WEIGHT BELOW 9.4PPG. MIX CAUSTIC TO KEEP PH ABOVE 10.0. ADD 6-8SXS SODA ASH PER TOUR. PUMP HIGH VIS SWEEPS AS NEEDED.			Total Length:	804.39 ft	Wt below Jars:					

MUD PRODUCTS		
Product	Units	Qty Used
AIR COMP RENT	EACH	1.00
CAUSTIC SODA	BG,50 LB	10.00
DRIVE-BY ENGINEERING	EACH	1.00
DUO-VIS	BG,25 LB	1.00
M-I GEL BULK	TON	5.00
PREMIX PIT RENTAL	EACH	1.00
SODA ASH	BG,50 LB	11.00

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY LEAH 8
 USA

Date: 03/03/2012
 Report No: 11

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	4:00	4.00	31PRDR	DRILL	MTRVER	P	<p>DRILLING 8 3/4" PRODUCTION HOLE, FROM 8170' TO 8416'; 250', IN 4 HRS AVG ROP 62 FPH WOB 18 - 30K. TD RPM 90, MM 96 RPMS, TOTAL RPM 186. FLOW RATE 600 GPM , 1850 PSI OFF BOTTOM, 2425PSI ON BTM. TORQ 5K OFF BTM, 11K ON BTM.</p> <p>DOUBLE BACK REAMING TO CORRECT DEVIATION</p> <p>SURVEY @ 8147 2.3 DEG SURVEY @ 8211 2.6 DEG SURVEY @ 8275 1.6 DEG</p> <p>CIRCULATE STEEL PITS MUD WT 9.3IN , 9.4OUT VIS 37 IN; 38OUT PH 10.5</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'.</p> <p>SAFETY BREAK DISCUSSED: ROTARY TABLE AWARENESS</p>
4:00	6:00	2.00	31PRDR	DRILL	MTRVER	P	<p>DRILLING 8 3/4" PRODUCTION HOLE, FROM 8416' TO 8545'; 129', IN 2 HRS AVG ROP 65 FPH WOB 18 - 30K. TD RPM 90, MM 96 RPMS, TOTAL RPM 186. FLOW RATE 600 GPM , 1850 PSI OFF BOTTOM, 2425PSI ON BTM. TORQ 5K OFF BTM, 11K ON BTM.</p> <p>DOUBLE BACK REAMING TO CORRECT DEVIATION</p> <p>SURVEY @ 8147 2.0 DEG SURVEY @ 8473 1.9 DEG</p> <p>CIRCULATE STEEL PITS MUD WT 9.4IN , 9.4OUT VIS 40 IN; 37OUT PH 10.5</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'.</p> <p>SAFETY BREAK DISCUSSED: STAYING FOCUSED LAST TWO HRS OF TOUR</p>
6:00	10:30	4.50	31PRDR	DRILL	MTRVER	P	<p>DRILLING 8 3/4" PRODUCTION HOLE, FROM 8545' TO 8789'; 244', IN 4 HRS AVG ROP 54 FPH WOB 18 - 30K. TD RPM 90, MM 96 RPMS, TOTAL RPM 186. FLOW RATE 600 GPM , 1850 PSI OFF BOTTOM, 2425PSI ON BTM. TORQ 5K OFF BTM, 11K ON BTM.</p> <p>DOUBLE BACK REAMING TO CORRECT DEVIATION</p> <p>SURVEY @ 8592', 2.1 DEG</p> <p>CIRCULATE STEEL PITS MUD WT 9.4IN , 9.4OUT VIS 40 IN; 37OUT PH 10.5</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'.</p> <p>SAFETY BREAK DISCUSSED: WELL CONTROL</p>
10:30	11:00	0.50	31PRDR	DRILL	MTRVER	PT	<p>DRILLING 8 3/4" PRODUCTION HOLE, FROM 8789' TO 8798'; 10', IN 0.5 HRS AVG ROP 20 FPH WOB 18 - 30K. TD RPM 90, MM 62 RPMS, TOTAL RPM 160. FLOW RATE 389 GPM , 1850 PSI OFF BOTTOM, 2425PSI ON BTM. TORQ 5K OFF BTM, 11K ON BTM.</p> <p>#2 PUMP DOWN OVERHEATING</p> <p>DOUBLE BACK REAMING TO CORRECT DEVIATION</p> <p>SURVEY @ 8656', 1.0 DEG</p> <p>CIRCULATE STEEL PITS MUD WT 9.2IN , 9.2OUT VIS 39 IN; 40OUT PH 11</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'.</p>

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY LEAH 8
 USA

Date: 03/03/2012
Report No: 11

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details	
11:00	15:00	4.00	31PRDR	DRILL	MTRVER	P	DRILLING 8 3/4" PRODUCTION HOLE, FROM 8798' TO 9005'; 207', IN 4 HRS AVG ROP 52 FPH WOB 18 - 30K. TD RPM 90, MM 96 RPMS, TOTAL RPM 186. FLOW RATE 600 GPM , 1850 PSI OFF BOTTOM, 2425PSI ON BTM. TORQ 5K OFF BTM, 11K ON BTM. DOUBLE BACK REAMING TO CORRECT DEVIATION CIRCULATE STEEL PITS MUD WT 9.4IN , 9.4OUT VIS 40 IN; 37OUT PH 10.5 PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'. SAFETY BREAK DISCUSSED: WORKING ON PUMPS	
15:00	17:00	2.00	31PRDR	DRILL	MTRVER	P	DRILLING 8 3/4" PRODUCTION HOLE, FROM 9005' TO 9064'; 59', IN 2 HRS AVG ROP 30 FPH WOB 18 - 30K. TD RPM 90, MM 96 RPMS, TOTAL RPM 186. FLOW RATE 600 GPM , 1850 PSI OFF BOTTOM, 2425PSI ON BTM. TORQ 5K OFF BTM, 11K ON BTM. LOST 600 PSI, CALLED FIELD SUP, DECISION WAS MADE TO TOH, WET LOOKING FOR HOLE, & CHANGE BHA. DOUBLE BACK REAMING TO CORRECT DEVIATION SURVEY @ 8787', 1.1DEG CIRCULATE STEEL PITS MUD WT 9.4IN , 9.4OUT VIS 40 IN; 37OUT PH 10.5 PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'. SAFETY BREAK DISCUSSED: SLIPS TRIPS AND FALLS	
17:00	0:00	7.00	31PRDR	TRIP	DRILL	P	TOH FOR BIT & BHA #3 PULL 7 STANDS, NO DRAG, STOP LEVEL DERRICK WELL BORE STATIC DSM WITNESS HOLE TAKING PROPER FILL 7 7/8" ULTERRA U616M(UO1764, S# 14382, 6/16 JETS 1 - MOTOR BAKER 6 1/2" ULTRA XL/LS, .16 RPG 1- 6 1/2" DC 1 - 7 3/4" 3 POINT REAMER 1 - 6 1/2" DC 1- 6 1/2" FLOW DRIFT 1 - 6 1/2" 3 POINT REAMER 10 - 6 1/2" DC 8 - 4 1/2" HWDP 1 - DRILLING JAR 4 - 4 1/2" HWDP SAFETY BREAK: TRIPPING OUT OF THE HOLE	
Total Time		24.00						

Safety Incident?	N	Days since Last RI:	59.00
Environ Incident?	N	Days since Last LTA:	422.00
Incident Comments:			
No incidents reported last 24 hours.			

Weather Comments:

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY LEAH 8
USA

Date: 03/03/2012
Report No: 11

Other Remarks: EAST OF ANDREWS, TEXAS, AT INTERSECTION OF HIGHWAY 115 AND FM 1788, DRIVE (WEST) ON HIGHWAY 115, .50 MILES. TURN LEFT (SOUTH) ONTO LEASE ROAD. DRIVE 0.1 MILE, TURN LEFT (EAST) DRIVE 0.50 MILE, TO LOCATION. TRAILER TEL NUMBER: (713) 948-3590
FLIGHT FOR LIFE DIRECTIONS: LATITUDE 32°21'21.70"N, LONGITUDE 102°24'02.04"W, NAD 27

SAFETY TOPIC OF THE DAY: GOOD COMMUNICATION

DAYS WORKED WITH NO LTA: 422

DAYS SINCE LAST RI: 59

NUMBER SAFETY MEETINGS:7

NUMBER NEAR MISSES: 0

STOP CARDS: 2

DAILY JSA'S REVIEWED: 14

PERMITS TO WORK: 0

LO/TO: X

PRE-SPUD INSPECTION: X

POWER-LINE CHECK LIST: X

SWA'S: X

BEST STOP CARD OF THE DAY : OBSERVED EMPLOYEE MIXING CAUSTIC WITHOUT PROPER PPE, STOPPED HIM

WARNED HIM OF THE HAZARDS, HE COMPLIED AND JOB CONTINUED WITHOUT INCIDENT

TOTAL PT HRS FOR THE MONTH, 2.5 HRS

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY LEAH 8
 USA

Date: 03/04/2012
 Report No: 12

Wellbore / Top MD: 00 @ 0 ft Rig: SAVANNA 643 Ref Datum: ORIGINAL KB @3,078.80ft DFS: 9.00
 Today's MD: 9540 ft Progress: 476 ft Ground Elev: 3,063.40 ft Daily Cost: \$27,855
 Prev MD: 9064 ft Rot Hrs Today: 10.50 hr AFE MD/Days: 11,400.0 / 13.6 days Cum Cost: \$527,057
 PBMD: Avg ROP Today: 45.3 ft/hr AFE Number: 1146069#0102 AFE Cost: \$1,224,234

Current Formation: SPRABERRY@8,450.0 Lithology:
 Current Ops: DRILLING 7 7/8" PRODUCTION HOLE @ 9798'
 24-Hr Summary: TOH WITH BHA #2, P/U & TIH W BHA #3. DRILLED 7 7/8" PRODUCTION HOLE TO 9540'
 24-Hr Forecast: RR 03/09/2012. ROL 03/10/2012 DRILL 7 7/8" PRODUCTION HOLE TO 11428'

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS		Avg	Max
Last Casing:	9.625in @ 1,853ft	Str Wt Up/Dn:	210.0/ 160.0 kip	Pump Rate:	307.8	Conn:	182	191	
Next Casing:	5.500in @ 11,400ft	Str Wt Rot:	185.0 kip	Pump Press:	2450	Trip:	303	506	
Last BOP Press Test:	02/10/2012	Torq Off Btm:	5,000.0 ft-lbf			Backgr:	152	158	
Form Test/EMW:	FIT / 12.12 ppg	Torq On Btm:	11,000.0 ft-lbf						

PERSONNEL		SURVEY DATA (LAST 6)								
Supervisor 1:	JIM REEVES	MD	Incl	Azi	TVD	N-S	E-W	VS	DLS	Build
Supervisor 2:	DARRELL WERTHER	9,101.0	1.10	0.00	9,099.18	154.4	0.0	154.4	0.00	0.00
Engineer:	IVAN OTERO	8,787.0	1.10	0.00	8,785.24	148.4	0.0	148.4	0.26	-0.26
Geologist:	TIM LYONS	8,211.0	2.60	0.00	8,209.56	129.8	0.0	129.8	0.47	0.47
Oxy Personnel:	2	8,147.0	2.30	0.00	8,145.61	127.0	0.0	127.0	0.19	0.19
Contractor Personnel:	11	3,536.0			3,535.64	44.6	0.0	44.6	0.40	-0.40
Total on Site:	13	2,196.0			2,195.92	16.3	0.0	16.3	0.12	-0.12

BIT RECORD										
Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
3	7.875	ULTERRA DRILLING T	U616M	M14382	M423	6x16	9064		--	--
2	8.750	ULTERRA DRILLING T	U616M	M12229	M323	6x13	1853	9064	2-2-WT-M	D-1-CT-PP

BIT OPERATING PARAMETERS TODAY												
Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI
3	10.50	10.50	476	476	45.3	45.3	18.0/30.0	80/95	1.178	90	102.9	0.4

MUD DATA - M-J SWACO					LAST OR CURRENT BHA				
Engineer:	John Kruczek	MBT:	12.5 lbm/bbl	BHA No:	3	Bit No:	3	MD In:	9064 ft
Sample From:	In	pH:	10.0	Purpose:	MD Out:				
Mud Type:	Freshwater/Gel	Pm / Pom:	0.00	Component		OD	ID	Jts	Length
Time / MD:	19:50 / 9,389.0	Pf / Mf:	0.5 / 0.6	HWDP	4.500	2.940	4	121.60	
Density @ Temp:	9.50 / 100	Chlorides:	48,000	DRILLING JAR	6.500	2.750	1	32.38	
Rheology Temp:	120	Ca+ / K+:	1,320 / 0	HWDP	4.500	2.940	8	244.09	
Viscosity:	34.00	CaCl2:	0.00	DRILL COLLAR	6.500	3.000	10	295.82	
PV / YP:	3 / 18	Clom:	0.19	3-POINT REAMER	6.375	2.250	1	7.68	
Gels 10s/10m/30m:	13 / 17 / 20	Lime:	0.00	ORIENTING SUB	6.500	2.180	1	4.96	
API WL:	45.00	ES:	5.00	DRILL COLLAR	6.370	2.780	1	28.79	
HTHP WL:	0.00	ECD:	9.84	3-POINT REAMER	6.375	2.250	1	7.62	
Cake API / HTHP:	2.0 / .0	n / K:	0.00 / 0.000	DRILL COLLAR	6.180	3.000	1	29.38	
Solids / Sol Corr:	2.40 / 0.00	Carbonate:	10 ppm	POSITIVE DISPLACEMENT MOTOR	6.625	4.180	1	32.18	
Oil / Water:	94.0 / 0.0	Bicarbonate:	0 ppm	PDC BIT	8.750	2.500	1	1.00	
Sand:	0.10	Form Loss:	0.0 / 0.0						
Water Added:	300.0 bbl	Fluid Disch:	/						
Oil Added:									
LGS:	5.60 / 50.80								

VG Meter: 13@3 / 14@6 / 17@100 / 19@200 / 21@300 / 24@600
 Comments: Dump and dilute as necessary to maintain weight below 9.4ppg. Mix caustic to keep pH above 10.0. Add 6-8sxs. Soda Ash per tour. Pump 60-80vis sweeps every 100-150ft. or as needed. Plan to begin adding Starch at 10900ft. to reduce fluid loss.

Total Length: 805.50 ft Wt below Jars:

MUD PRODUCTS		
Product	Units	Qty Used
AIR COMP RENT	EACH	1.00
CAUSTIC SODA	BG,50 LB	4.00
DRIVE-BY ENGINEERING	EACH	1.00
LIME	BG,50 LB	5.00
PREMIX PIT RENTAL	EACH	1.00

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY LEAH 8
USA

Date: 03/04/2012
Report No: 12

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	1:00	1.00	31PRDR	TRIP	DRILL	P	TOH FOR BIT & BHA #3 TO BHA, REMOVE ROTATING HEAD HOLE TAKING PROPER FILL SAFETY BREAK: LAYING DOWN BHA
1:00	2:00	1.00	31PRDR	RIGMT	REP	PT	CHANGED OUT HYDRAULIC FITTING ON TOP DRIVE
2:00	3:00	1.00	31PRDR	TRIP	DRILL	P	TOH FOR BIT & BHA #3 COMPLETE TOH WITH BHA HOLE TAKING PROPER FILL
3:00	6:00	3.00	31PRDR	TRIP	BHA	P	PICK UP #3 BIT & BHA, TIH STRAP AND TALLY MUD MOTOR AND STABILIZERS PICK UP BHA AS FOLLOWS: 7 7/8" ULTERRA U616M(UO1764, S# 14382, 6/16 JETS 1 - MOTOR BAKER 6 1/2" ULTRA XL/LS, .16 RPG 1- 6 1/2" DC 1 - 7 3/4" 3 POINT REAMER 1 - 6 1/2" DC 1- 6 1/2" FLOW DRIFT 1 - 6 1/2" 3 POINT REAMER 10 - 6 1/2" DC 8 - 4 1/2" HWDP 1 - DRILLING JAR 4 - 4 1/2" HWDP SAFETY BREAK: TRIPPING THE HOLE PICKING UP BHA
6:00	8:00	2.00	31PRDR	TRIP	DRILL	P	TIH WITH BIT & BHA #3 AT BOTTOM OF BHA INSTALL ROTATING HEAD BREAK CIRCULATION CHECK MOTOR FLOW DRIFT & PUMP PRESSURE GPM 600 PP 1114 SURVEY 864' 0.9 TIH TO SHOE, BREAK CIRCULATION, CHECK FLOW DRIFT, & PP 602 GPM 1216 Psi
8:00	9:00	1.00	31PRDR	RIGMT	SRVRIG	P	SAFETY BREAK: CUTTING DRILLING LINE SLIP & CUT DRILLING LINE
9:00	13:30	4.50	31PRDR	TRIP	DRILL	P	TIH, WITH BIT & BHA #3 7 7/8" BHA TO 2 JOINTS OFF BOTTOM WASH LAST TWO JOINTS TO BOTTOM
13:30	16:30	3.00	31PRDR	DRILL	MTRVER	P	BREAK IN BIT 500GPM'S, 10 - 15K ON BIT, 50 TD RPM, FOR 10' DRILLING 7 7/8 " PRODUCTION HOLE, FROM 9064' TO 9242' ; 178', IN 3 HRS AVG ROP 59 FPH WOB 20 - 30K. TD RPM 90, MM 96 RPMS, TOTAL RPM 186. FLOW RATE 600 GPM , 1850 PSI OFF BOTTOM, 2525 PSI ON BTM. TORQ 5K OFF BTM, 11K ON BTM. BACK REAMING TO CORRECT DEVIATION SURVEY @ 9101', 1.1 DEG CIRCULATE STEEL PITS MUD WT 9.1 IN , 9.3 OUT VIS 42 IN; 43 OUT PH 9 PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'. SAFETY BREAK DISCUSSED: AWARENESS OF 3RD PARTY VEHICLES

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY LEAH 8
 USA

Date: 03/04/2012
Report No: 12

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
16:30	20:30	4.00	31PRDR	DRILL	MTRVER	PT	DRILLING 7 7/8" PRODUCTION HOLE, FROM 9242' TO 9420'; 178', IN 4 HRS AVG ROP 44 FPH WOB 18 - 30K. TD RPM 95, MM 61 RPMS, TOTAL RPM 156. FLOW RATE 384 GPM , 900 PSI OFF BOTTOM, 1200 PSI ON BTM. TORQ 5K OFF BTM, 11K ON BTM. DRILLING WITH PUMP #1 DRILLER'S SIDE MODULE CRACKED, ON #2 ROP DEMINISHED BY 30 FPH BACK REAMING TO CORRECT DEVIATION CIRCULATE STEEL PITS MUD WT 9.4 IN , 9.5OUT VIS 38 IN; 38 OUT PH 10 PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'. SAFETY BREAK DISCUSSED: WORKING ON PUMPS
20:30	0:00	3.50	31PRDR	DRILL	MTRVER	PT	DRILLING 7 7/8" PRODUCTION HOLE, FROM 9420' TO 9540'; 120', IN 3.5 HRS AVG ROP 34 FPH WOB 20 - 30K. TD RPM 90, MM 60 RPMS, TOTAL RPM 150. FLOW RATE 384 GPM , 900 PSI OFF BOTTOM, 1200 PSI ON BTM. TORQ 5K OFF BTM, 11K ON BTM. DRILLING WITH PUMP #1 DRILLER'S SIDE MODULE CRACKED, ON PUMP #2 BACK REAMING TO CORRECT DEVIATION CIRCULATE STEEL PITS MUD WT 9.4 IN , 9.4 OUT VIS 37 IN; 37 OUT PH 10 PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'. SAFETY BREAK DISCUSSED: BUFFER ZONES

Total Time 24.00

Safety Incident?	N	Days since Last RI:	60.00	Weather Comments:
Environ Incident?	N	Days since Last LTA:	423.00	
Incident Comments:				
No incidents reported last 24 hours.				

Other Remarks: EAST OF ANDREWS, TEXAS, AT INTERSECTION OF HIGHWAY 115 AND FM 1788, DRIVE (WEST) ON HIGHWAY 115, .50 MILES. TURN LEFT (SOUTH) ONTO LEASE ROAD. DRIVE 0.1 MILE, TURN LEFT (EAST) DRIVE 0.50 MILE, TO LOCATION. TRAILER TEL NUMBER: (713) 948-3590
 FLIGHT FOR LIFE DIRECTIONS: LATITUDE 32°21'21.70"N, LONGITUDE 102°24'02.04"W, NAD 27

SAFETY TOPIC OF THE DAY: GOOD COMMUNICATION
 DAYS WORKED WITH NO LTA: 423
 DAYS SINCE LAST RI: 60
 NUMBER SAFETY MEETINGS:7
 NUMBER NEAR MISSES: 0
 STOP CARDS: 2
 DAILY JSA'S REVIEWED: 14
 PERMITS TO WORK: 0
 LO/TO: X
 PRE-SPUD INSPECTION: X
 POWER-LINE CHECK LIST: X
 SWA'S: X
 BEST STOP CARD OF THE DAY : OBSERVED EMPLOYEE STANDING UNDER TOOL JOINT WHILE HOISTING IT FROM THE V DOOR. STOPPED HIM WARNED HIM OF THE HAZARDS, HE COMPLIED AND JOB CONTINUED WITHOUT INCIDENT.
 TOTAL PT HRS FOR THE MONTH, 11 HRS

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY LEAH 8
 USA

Date: 03/05/2012
 Report No: 13

Wellbore / Top MD: 00 @ 0 ft Rig: SAVANNA 643 Ref Datum: ORIGINAL KB @3,078.80ft DFS: 10.00
 Today's MD: 10,592 ft Progress: 1052 ft Ground Elev: 3,063.40 ft Daily Cost: \$30,156
 Prev MD: 9540 ft Rot Hrs Today: 24.00 hr AFE MD/Days: 11,400.0 / 13.6 days Cum Cost: \$557,213
 PBMD: Avg ROP Today: 43.8 ft/hr AFE Number: 1146069#0102 AFE Cost: \$1,224,234

Current Formation: U WOLFCAMP@9,900.0 Lithology:
 Current Ops: DRILLING 7 7/8" PRODUCTION HOLE @
 24-Hr Summary: DRILLED 7 7/8 PRODUCTION HOLE TO 10592'
 24-Hr Forecast: RR 03/08/2012. ROL 03/09/2012 DRILL 7 7/8" PRODUCTION HOLE TO 11400' & LDDP TO RUN 5.5" PRODUCTION CASING

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS		Avg	Max
Last Casing:	9.625in @ 1,853ft	Str Wt Up/Dn:	220.0/ 180.0 kip	Pump Rate:	381.1	Conn:	90	90	95
Next Casing:	5.500in @ 11,400ft	Str Wt Rot:	200.0 kip	Pump Press:	1200	Trip:	0	0	0
Last BOP Press Test:	02/10/2012	Torq Off Btm:	11,000.0 ft-lbf			Backgr:	86	86	89
Form Test/EMW:	FIT / 12.12 ppg	Torq On Btm:	5,000.0 ft-lbf						

PERSONNEL		SURVEY DATA (LAST 6)								
Supervisor 1:	JIM REEVES	MD	Incl	Azi	TVD	N/-S	E/-W	VS	DLS	Build
Supervisor 2:	DARRELL WERTHER	10,379.0	2.90	0.00	10,376.31	200.4	0.0	200.4	0.64	0.64
Engineer:	IVAN OTERO	10,177.0	1.60	0.00	10,174.47	192.5	0.0	192.5	0.32	-0.32
Geologist:	TIM LYONS	9,987.0	2.20	0.00	9,984.58	186.2	0.0	186.2	0.47	-0.47
Oxy Personnel:	2	9,923.0	2.50	0.00	9,920.63	183.6	0.0	183.6	0.26	0.26
Contractor Personnel:	11	9,734.0	2.00	0.00	9,731.78	176.2	0.0	176.2	0.15	-0.15
Total on Site:	13	9,410.0	2.50	0.00	9,408.03	163.5	0.0	163.5	0.45	0.45

BIT RECORD										
Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
3	7.875	ULTERRA DRILLING T	U616M	M14382	M423	6x16	9064		--	--
2	8.750	ULTERRA DRILLING T	U616M	M12229	M323	6x13	1853	9064	2-2-WT-M	D-1-CT-PP

BIT OPERATING PARAMETERS TODAY												
Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI
3	24.00	34.50	1052	1528	43.8	44.3	15.0/23.0	80/95	1.178	89	103.8	0.4

MUD DATA - M-I SWACO					LAST OR CURRENT BHA																																																																
Engineer:	John Kruczek	MBT:	12.5 lbm/bbl	BHA No:	3	Bit No:	3	MD In:	9064 ft																																																												
Sample From:	In	pH:	10.5	Purpose:	MD Out:																																																																
Mud Type:	Freshwater/Gel	Pm / Pom:	0.00	<table border="1"> <thead> <tr> <th>Component</th> <th>OD</th> <th>ID</th> <th>Jts</th> <th>Length</th> </tr> </thead> <tbody> <tr> <td>HWDP</td> <td>4.500</td> <td>2.940</td> <td>4</td> <td>121.60</td> </tr> <tr> <td>DRILLING JAR</td> <td>6.500</td> <td>2.750</td> <td>1</td> <td>32.38</td> </tr> <tr> <td>HWDP</td> <td>4.500</td> <td>2.940</td> <td>8</td> <td>244.09</td> </tr> <tr> <td>DRILL COLLAR</td> <td>6.500</td> <td>3.000</td> <td>10</td> <td>295.82</td> </tr> <tr> <td>3-POINT REAMER</td> <td>6.375</td> <td>2.250</td> <td>1</td> <td>7.68</td> </tr> <tr> <td>ORIENTING SUB</td> <td>6.500</td> <td>2.180</td> <td>1</td> <td>4.96</td> </tr> <tr> <td>DRILL COLLAR</td> <td>6.370</td> <td>2.780</td> <td>1</td> <td>28.79</td> </tr> <tr> <td>3-POINT REAMER</td> <td>6.375</td> <td>2.250</td> <td>1</td> <td>7.62</td> </tr> <tr> <td>DRILL COLLAR</td> <td>6.180</td> <td>3.000</td> <td>1</td> <td>29.38</td> </tr> <tr> <td>POSITIVE DISPLACEMENT MOTOR</td> <td>6.625</td> <td>4.180</td> <td>1</td> <td>32.18</td> </tr> <tr> <td>PDC BIT</td> <td>8.750</td> <td>2.500</td> <td>1</td> <td>1.00</td> </tr> </tbody> </table>						Component	OD	ID	Jts	Length	HWDP	4.500	2.940	4	121.60	DRILLING JAR	6.500	2.750	1	32.38	HWDP	4.500	2.940	8	244.09	DRILL COLLAR	6.500	3.000	10	295.82	3-POINT REAMER	6.375	2.250	1	7.68	ORIENTING SUB	6.500	2.180	1	4.96	DRILL COLLAR	6.370	2.780	1	28.79	3-POINT REAMER	6.375	2.250	1	7.62	DRILL COLLAR	6.180	3.000	1	29.38	POSITIVE DISPLACEMENT MOTOR	6.625	4.180	1	32.18	PDC BIT	8.750	2.500	1	1.00
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Time / MD:	20:45 / 10,470.0	Pf / Mf:	0.8 / 0.9																																																																		
Density @ Temp:	9.20 / 105	Chlorides:	28,000																																																																		
Rheology Temp:	120	Ca+ / K+:	520 / 0																																																																		
Viscosity:	38.00	CaCl2:	0.00																																																																		
PV / YP:	2 / 31	Clom:	0.09																																																																		
Gels 10s/10m/30m:	18 / 21 / 23	Lime:	0.00																																																																		
API WL:	45.00	ES:	2.50																																																																		
HTHP WL:	0.00	ECD:	9.73																																																																		
Cake API / HTHP:	2.0 / .0	n / K:	0.00 / 0.000																																																																		
Solids / Sol Corr:	1.30 / 0.00	Carbonate:	16 ppm																																																																		
Oil / Water:	95.0 / 0.0	Bicarbonate:	0 ppm																																																																		
Sand:	0.10	Form Loss:	0.0 / 0.0																																																																		
Water Added:	525.0 bbl	Fluid Disch:	/																																																																		
Oil Added:																																																																					
LGS:	4.60 / 42.00																																																																				

VG Meter: 18@3 / 19@6 / 26@100 / 30@200 / 33@300 / 35@600
 Comments: Continued drilling ahead dumping and diluting as necessary. Maintain weight below 9.4ppg. Mix caustic to keep pH above 10.0. Add 6-8sxs. Soda Ash per tour. At 10900ft. begin adding 150sxs. Starch to reduce fluid loss per DSM request. Add Spersene to control vis.

MUD PRODUCTS		
Product	Units	Qty Used
AIR COMP RENT	EACH	1.00
CAUSTIC SODA	BG,50 LB	8.00
DRIVE-BY ENGINEERING	EACH	1.00
DUO-VIS	BG,25 LB	1.00
LIME	BG,50 LB	8.00
M-I GEL BULK	TON	5.00
PREMIX PIT RENTAL	EACH	1.00
SODA ASH	BG,50 LB	15.00

Total Length: 805.50 ft Wt below Jars:

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY LEAH 8
 USA

Date: 03/05/2012
 Report No: 13

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	4:00	4.00	31PRDR	DRILL	MTRVER	PT	<p>DRILLING 7 7/8" PRODUCTION HOLE, FROM 9540' TO 9712' ; 172', IN 4 HRS AVG ROP 43 FPH WOB 20 - 30K. TD RPM 90, MM 60 RPMS, TOTAL RPM 150. FLOW RATE 384 GPM , 900 PSI OFF BOTTOM, 1200 PSI ON BTM. TORQ 5K OFF BTM, 11K ON BTM.</p> <p>DRILLING WITH PUMP #1 DRILLER'S SIDE MODULE CRACKED, ON PUMP #2</p> <p>BACK REAMING TO CORRECT DEVIATION</p> <p>CIRCULATE STEEL PITS MUD WT 9.2 IN , 9.2 OUT VIS 37 IN; 37 OUT PH 10</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'.</p> <p>SAFETY BREAK DISCUSSED: MSDS SHEETS</p>
4:00	6:00	2.00	31PRDR	DRILL	MTRVER	PT	<p>DRILLING 7 7/8" PRODUCTION HOLE, FROM 9712' TO 9798' ; 86', IN 2 HRS AVG ROP 43 FPH WOB 20 - 30K. TD RPM 90, MM 60 RPMS, TOTAL RPM 150. FLOW RATE 384 GPM , 900 PSI OFF BOTTOM, 1200 PSI ON BTM. TORQ 5K OFF BTM, 11K ON BTM.</p> <p>DRILLING WITH PUMP #1 DRILLER'S SIDE MODULE CRACKED, ON PUMP #2</p> <p>SURVEY @ 9734', 2.0 DEG BACK REAMING TO CORRECT DEVIATION</p> <p>CIRCULATE STEEL PITS MUD WT 9.2 IN , 9.2 OUT VIS 37 IN; 37 OUT PH 10</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'.</p> <p>SAFETY BREAK DISCUSSED: STAYING FOCUSED LAST TWO HRS OF TOUR</p>
6:00	10:00	4.00	31PRDR	DRILL	MTRVER	PT	<p>DRILLING 7 7/8" PRODUCTION HOLE, FROM 9798' TO 10018' ; 220', IN 4 HRS AVG ROP 55 FPH WOB 20 - 30K. TD RPM 90, MM 60 RPMS, TOTAL RPM 150. FLOW RATE 384 GPM , 900 PSI OFF BOTTOM, 1200 PSI ON BTM. TORQ 5K OFF BTM, 11K ON BTM.</p> <p>DRILLING WITH PUMP #1 DRILLER'S SIDE MODULE CRACKED, ON PUMP #2</p> <p>SURVEY @ 9987', 2.2 DEG BACK REAMING TO CORRECT DEVIATION</p> <p>CIRCULATE STEEL PITS MUD WT 9.2 IN , 9.3 OUT VIS 38 IN; 37 OUT PH 10</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'.</p> <p>SAFETY BREAK DISCUSSED: HIGH PRESSURE LINES</p>
10:00	14:00	4.00	31PRDR	DRILL	MTRVER	PT	<p>DRILLING 7 7/8" PRODUCTION HOLE, FROM 10018' TO 10146' ; 128', IN 4 HRS AVG ROP 32 FPH WOB 20 - 30K. TD RPM 90, MM 60 RPMS, TOTAL RPM 150. FLOW RATE 384 GPM , 900 PSI OFF BOTTOM, 1200 PSI ON BTM. TORQ 5K OFF BTM, 11K ON BTM.</p> <p>DRILLING WITH PUMP #1 DRILLER'S SIDE MODULE CRACKED, ON PUMP #2</p> <p>BACK REAMING TO CORRECT DEVIATION</p> <p>CIRCULATE STEEL PITS MUD WT 9.3 IN , 9.3 OUT VIS 40 IN; 40 OUT PH 11</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'.</p> <p>SAFETY BREAK DISCUSSED: BEING TIED OFF WHILE WORKING OVER 4 FT</p>

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY LEAH 8
 USA

Date: 03/05/2012
Report No: 13

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details	
14:00	18:00	4.00	31PRDR	DRILL	MTRVER	PT	DRILLING 7 7/8" PRODUCTION HOLE, FROM 10146' TO 10337' ; 191', IN 4 HRS AVG ROP 48 FPH WOB 20 - 30K. TD RPM 90, MM 60 RPMS, TOTAL RPM 150. FLOW RATE 384 GPM , 900 PSI OFF BOTTOM, 1200 PSI ON BTM. TORQ 5K OFF BTM, 11K ON BTM. DRILLING WITH PUMP #1 DRILLER'S SIDE MODULE CRACKED, ON PUMP #2 SURVEY @ 10177', 1.6 DEG BACK REAMING TO CORRECT DEVIATION CIRCULATE STEEL PITS MUD WT 9.3 IN , 9.3 OUT VIS 40 IN; 40 OUT PH 11 PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'. SAFETY BREAK DISCUSSED: 3 POINT CONTACT	
18:00	22:00	4.00	31PRDR	DRILL	MTRVER	PT	DRILLING 7 7/8" PRODUCTION HOLE, FROM 10337' TO 10531' ; 194', IN 4 HRS AVG ROP 48 FPH WOB 20 - 30K. TD RPM 90, MM 60 RPMS, TOTAL RPM 150. FLOW RATE 384 GPM , 900 PSI OFF BOTTOM, 1200 PSI ON BTM. TORQ 5K OFF BTM, 11K ON BTM. DRILLING WITH PUMP #1 DRILLER'S SIDE MODULE CRACKED, ON PUMP #2 SURVEY @ 10379', 2.9 DEG BACK REAMING TO CORRECT DEVIATION CIRCULATE STEEL PITS MUD WT 9.3 IN , 9.3 OUT VIS 40 IN; 40 OUT PH 11 PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'. SAFETY BREAK DISCUSSED: IMPORTANCE OF PPE	
22:00	0:00	2.00	31PRDR	DRILL	MTRVER	PT	DRILLING 7 7/8" PRODUCTION HOLE, FROM 10531' TO 10592' ; 61', IN 2 HRS AVG ROP 30 FPH WOB 20 - 30K. TD RPM 90, MM 60 RPMS, TOTAL RPM 150. FLOW RATE 384 GPM , 900 PSI OFF BOTTOM, 1200 PSI ON BTM. TORQ 5K OFF BTM, 11K ON BTM. DRILLING WITH PUMP #1 DRILLER'S SIDE MODULE CRACKED, ON PUMP #2 BACK REAMING TO CORRECT DEVIATION CIRCULATE STEEL PITS MUD WT 9.3 IN , 9.4 OUT VIS 37 IN; 38 OUT PH 10 PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'. SAFETY BREAK DISCUSSED: WORKING ON PUMP	
Total Time		24.00						

Safety Incident?	N	Days since Last RI:	61.00	Weather Comments:
Environ Incident?	N	Days since Last LTA:	424.00	
Incident Comments: No incidents reported last 24 hours.				

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY LEAH 8
USA

Date: 03/05/2012
Report No: 13

Other Remarks: EAST OF ANDREWS, TEXAS, AT INTERSECTION OF HIGHWAY 115 AND FM 1788, DRIVE (WEST) ON HIGHWAY 115, .50 MILES. TURN LEFT (SOUTH) ONTO LEASE ROAD. DRIVE 0.1 MILE, TURN LEFT (EAST) DRIVE 0.50 MILE, TO LOCATION. TRAILER TEL NUMBER: (713) 948-3590
FLIGHT FOR LIFE DIRECTIONS: LATITUDE 32°21'21.70"N, LONGITUDE 102°24'02.04"W, NAD 27

SAFETY TOPIC OF THE DAY: GOOD COMMUNICATION

DAYS WORKED WITH NO LTA: 424

DAYS SINCE LAST RI: 61

NUMBER SAFETY MEETINGS:7

NUMBER NEAR MISSES: 0

STOP CARDS: 2

DAILY JSA'S REVIEWED: 15

PERMITS TO WORK: 0

LO/TO: X

PRE-SPUD INSPECTION: X

POWER-LINE CHECK LIST: X

SWA'S: X

BEST STOP CARD OF THE DAY : OBSERVED EMPLOYEE PULLING SLIPS BY HIMSELF, STOPPED THE JOB INFORMED HIM OF THE HAZARDS HE COMPLIED AND JOB CONTINUED WITHOUT INCIDENT.

TOTAL PT HRS FOR THE MONTH, 35

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY LEAH 8
 USA

Date: 03/06/2012
 Report No: 14

Wellbore / Top MD: 00 @ 0 ft Rig: SAVANNA 643 Ref Datum: ORIGINAL KB @3,078.80ft DFS: 11.00
 Today's MD: 11,428 ft Progress: 836 ft Ground Elev: 3,063.40 ft Daily Cost: \$60,672
 Prev MD: 10,592 ft Rot Hrs Today: 19.00 hr AFE MD/Days: 11,400.0 / 13.6 days Cum Cost: \$617,885
 PBMD: Avg ROP Today: 44.0 ft/hr AFE Number: 1146069#0102 AFE Cost: \$1,224,234

Current Formation: STRAWN@11,080.0 Lithology:
 Current Ops: LDDP @1200'
 24-Hr Summary: DRILLED 7 7/8" PRODUCTION HOLE TO 11428' CIRCULATED HOLE CLEAN, LDDP TO RUN 5.5" PRODUCTION CASING
 24-Hr Forecast: RR 03/08/2012, ROL 03/10/2012 LDDP, RUN 5.5" PRODUCTION CASING, PUMP CEMENT JOB, N/D AND INSTALL TUBING HEAD

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS		Avg	Max
Last Casing:	9.625in @ 1,853ft	Str Wt Up/Dn:	220.0/ 190.0 kip	Pump Rate:	586.2	Conn:	201	201	341
Next Casing:	5.500in @ 11,400ft	Str Wt Rot:	200.0 kip	Pump Press:	2500	Trip:	0	0	0
Last BOP Press Test:	02/10/2012	Torq Off Btm:	12,000.0 ft-lbf			Backgr:	114	114	255
Form Test/EMW:	FIT / 12.12 ppg	Torq On Btm:	6,000.0 ft-lbf						

PERSONNEL		SURVEY DATA (LAST 6)								
		MD	Incl	Azi	TVD	N-S	E-W	VS	DLS	Build
Supervisor 1:	JIM REEVES	11,358.0	0.60	0.00	11,354.73	231.6	0.0	231.6	0.30	-0.30
Supervisor 2:	DARRELL WERTHER	11,325.0	0.70	0.00	11,321.74	231.2	0.0	231.2	0.21	-0.21
Engineer:	IVAN OTERO	10,939.0	1.50	0.00	10,935.81	223.8	0.0	223.8	0.35	-0.35
Geologist:	TIM LYONS	10,570.0	2.80	0.00	10,567.08	209.9	0.0	209.9	0.05	-0.05
Oxy Personnel:	2	10,379.0	2.90	0.00	10,376.31	200.4	0.0	200.4	0.64	0.64
Contractor Personnel:	11	10,177.0	1.60	0.00	10,174.47	192.5	0.0	192.5	0.32	-0.32
Total on Site:	13									

BIT RECORD										
Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
3	7.875	ULTERRA DRILLING T	U616M	M14382	M423	6x16	9064		--	--

BIT OPERATING PARAMETERS TODAY												
Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI
3	19.00	53.50	836	2364	44.0	44.2	18.0/25.0	75/95	1.178	214	159.7	1.5

MUD DATA - M-I SWACO					LAST OR CURRENT BHA																																																																
Engineer:	John Kruczek	MBT:	12.5 lbm/bbl	BHA No:	3	Bit No:	3	MD In:	9064 ft																																																												
Sample From:	In	pH:	10.5	Purpose:	MD Out:																																																																
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Solids / Sol Corr:	1.70 / 0.00	Carbonate:	18 ppm																																																																		
Oil / Water:	94.0 / 0.0	Bicarbonate:	0 ppm																																																																		
Sand:	0.10	Form Loss:	0.0 / 0.0																																																																		
Water Added:	315.0 bbl	Fluid Disch:	/																																																																		
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LGS:	5.70 / 51.70																																																																				
VG Meter:	20@3 / 21@6 / 25@100 / 29@200 / 32@300 / 41@600																																																																				
Comments:	Dumped and diluted as necessary to maintain weight below 9.4ppg. Mixed Caustic and Lime to maintain pH above 10.0. Began Starch additions at 10900ft. to reduce fluid loss. Plan to pump high-vis sweep and circ. 2 B/U before TOOH.																																																																				

MUD PRODUCTS		
Product	Units	Qty Used
AIR COMP RENT	EACH	1.00
CAUSTIC SODA	BG,50 LB	8.00
DRIVE-BY ENGINEERING	EACH	1.00
LIME	BG,50 LB	13.00
M-I BAR	100 LBS/SK	31.00
M-I GEL BULK	TON	6.49
MY LO JEL	BG,50 LB	152.00
MYACIDE GA25	CAN,5 GA	7.00
PREMIX PIT RENTAL	EACH	1.00
SODA ASH	BG,50 LB	9.00

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY LEAH 8
USA

Date: 03/06/2012
Report No: 14

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	4:00	4.00	31PRDR	DRILL	MTRVER	PT	<p>DRILLING 7 7/8" PRODUCTION HOLE, FROM 10592' TO 10733' ; 141', IN 4 HRS AVG ROP 35 FPH WOB 20 - 30K. TD RPM 90, MM 60 RPMS, TOTAL RPM 150. FLOW RATE 384 GPM , 900 PSI OFF BOTTOM, 1200 PSI ON BTM. TORQ 5K OFF BTM, 11K ON BTM.</p> <p>DRILLING WITH PUMP #1 DRILLER'S SIDE MODULE CRACKED, ON PUMP #2</p> <p>SURVEY @ 10570 2.8 DEG</p> <p>BACK REAMING TO CORRECT DEVIATION</p> <p>CIRCULATE STEEL PITS MUD WT 9.3 IN , 94 OUT VIS 38 IN; 38 OUT PH 10</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'.</p> <p>SAFETY BREAK DISCUSSED: USING PROPER TOOLS FOR THE JOB</p>
4:00	6:00	2.00	31PRDR	DRILL	MTRVER	PT	<p>DRILLING 7 7/8" PRODUCTION HOLE, FROM 10733' TO 10803' ; 70', IN 2 HRS AVG ROP 35 FPH WOB 20 - 30K. TD RPM 90, MM 60 RPMS, TOTAL RPM 150. FLOW RATE 384 GPM , 900 PSI OFF BOTTOM, 1200 PSI ON BTM. TORQ 5K OFF BTM, 11K ON BTM.</p> <p>DRILLING WITH PUMP #1 DRILLER'S SIDE MODULE CRACKED, ON PUMP #2</p> <p>SURVEY @ 10698 2.5 DEG</p> <p>BACK REAMING TO CORRECT DEVIATION</p> <p>CIRCULATE STEEL PITS MUD WT 9.3 IN , 94 OUT VIS 39 IN; 38 OUT PH 11</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'.</p>
6:00	10:00	4.00	31PRDR	DRILL	MTRVER	P	<p>DRILLING 7 7/8" PRODUCTION HOLE, FROM 10803' TO 10986' ; 183', IN 4 HRS AVG ROP 46 FPH WOB 20 - 30K. TD RPM 90, MM 96 RPMS, TOTAL RPM 186. FLOW RATE 600 GPM , 1500 PSI OFF BOTTOM, 2249 PSI ON BTM. TORQ 5K OFF BTM, 12K ON BTM.</p> <p>SURVEY @ 10939 1.5 DEG</p> <p>BACK REAMING TO CORRECT DEVIATION</p> <p>CIRCULATE STEEL PITS MUD WT 9.3 IN , 94 OUT VIS 39 IN; 38 OUT PH 11</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'.</p> <p>SAFETY BREAK DISCUSSED: MIXING MUD</p>
10:00	14:00	4.00	31PRDR	DRILL	MTRVER	P	<p>DRILLING 7 7/8" PRODUCTION HOLE, FROM 10986' TO 11173' ; 187', IN 4 HRS AVG ROP 47 FPH WOB 20 - 30K. TD RPM 90, MM 96 RPMS, TOTAL RPM 186. FLOW RATE 600 GPM , 1500 PSI OFF BOTTOM, 2249 PSI ON BTM. TORQ 5K OFF BTM, 12K ON BTM.</p> <p>BACK REAMING TO CORRECT DEVIATION</p> <p>CIRCULATE STEEL PITS MUD WT 9.3 IN , 9.3 OUT VIS 41 IN; 43 OUT PH 10.5</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'.</p> <p>SAFETY BREAK DISCUSSED: TRANSFERRING TUBULAR WITH FORK LIFT</p>

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY LEAH 8
 USA

Date: 03/06/2012
Report No: 14

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
14:00	18:00	4.00	31PRDR	DRILL	MTRVER	P	DRILLING 7 7/8" PRODUCTION HOLE, FROM 11173' TO 11388'; 215', IN 4 HRS AVG ROP 54 FPH WOB 20 - 30K. TD RPM 90, MM 96 RPMS, TOTAL RPM 186. FLOW RATE 600 GPM , 1500 PSI OFF BOTTOM, 2249 PSI ON BTM. TORQ 5K OFF BTM, 12K ON BTM. SURVEY @ 11325', .7 DEG BACK REAMING TO CORRECT DEVIATION CIRCULATE STEEL PITS MUD WT 9.3 IN , 9.2 OUT VIS 45 IN; 45 OUT PH 11 PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'. SAFETY BREAK DISCUSSED:STAYING FOCUSED AT THE END OF THE WELL
18:00	19:00	1.00	31PRDR	DRILL	MTRVER	P	DRILLING 7 7/8" PRODUCTION HOLE, FROM 11388 TO 11428'; 40', IN 1 HRS AVG ROP 40 FPH WOB 20 - 30K. TD RPM 90, MM 96 RPMS, TOTAL RPM 186. FLOW RATE 600 GPM , 1500 PSI OFF BOTTOM, 2249 PSI ON BTM. TORQ 5K OFF BTM, 12K ON BTM. TD @ 11428 @ 19:00 HRS SURVEY @ 10939 1.5 DEG SURVEY @ 11358 .6 DEG CIRCULATE STEEL PITS MUD WT 9.4 IN , 9.4 OUT VIS 45 IN; 45 OUT PH 11 PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 200'. SAFETY BREAK DISCUSSED: PULLING SLIPS
19:00	21:00	2.00	31PRDR	CIRC	CNDHOL	P	CIRCULATE 2 BOTTOMS UP BEFORE TOH LDDP TO RUN 5.5" PRODUCTION CASING
21:00	0:00	3.00	31PRDR	TRIP	PULD	P	TOH LDDP HOLE TAKING PROPER FILL NO TIGHT SPOTS SAFETY BREAK DISCUSSED: LAYING DOWN DRILL PIPE

Total Time 24.00

Safety Incident?	N	Days since Last RI:	62.00	Weather Comments:
Environ Incident?	N	Days since Last LTA:	425.00	
Incident Comments: No incidents reported last 24 hours.				

Other Remarks: EAST OF ANDREWS, TEXAS, AT INTERSECTION OF HIGHWAY 115 AND FM 1788, DRIVE (WEST) ON HIGHWAY 115, .50 MILES. TURN LEFT (SOUTH) ONTO LEASE ROAD. DRIVE 0.1 MILE, TURN LEFT (EAST) DRIVE 0.50 MILE, TO LOCATION. TRAILER TEL NUMBER: (713) 948-3590 FLIGHT FOR LIFE DIRECTIONS: LATITUDE 32°21'21.70"N, LONGITUDE 102°24'02.04"W, NAD 27

SAFETY TOPIC OF THE DAY: GOOD COMMUNICATION
 DAYS WORKED WITH NO LTA: 425
 DAYS SINCE LAST RI: 62
 NUMBER SAFETY MEETINGS:7
 NUMBER NEAR MISSES: 0
 STOP CARDS: 2
 DAILY JSA'S REVIEWED: 16
 PERMITS TO WORK: 0
 LO/TO: X
 PRE-SPUD INSPECTION: X
 POWER-LINE CHECK LIST: X
 SWA'S: X
 BEST STOP CARD OF THE DAY : OBSERVED EMPTY CAUSTIC SACKS ON MUD PITS INFORMED EMPLOYEE OF THE HAZARDS HE COMPLIED AND THREW AWAY. JOB CONTINUED WITHOUT INCIDENT.
 TOTAL PT HRS FOR THE MONTH, 47

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY LEAH 8
 USA

Date: 03/07/2012
 Report No: 15

Wellbore / Top MD: 00 @ 0 ft Rig: SAVANNA 643 Ref Datum: ORIGINAL KB @3,078.80ft DFS: 12.00
 Today's MD: 11,428 ft Progress: 0 ft Ground Elev: 3,063.40 ft Daily Cost: \$412,749
 Prev MD: 11,428 ft Rot Hrs Today: 0.00 hr AFE MD/Days: 11,400.0 / 13.6 days Cum Cost: \$1,030,635
 PBMD: Avg ROP Today: 0.0 ft/hr AFE Number: 1146069#0102 AFE Cost: \$1,224,234

Current Formation: STRAWN@11,080.0 Lithology:
 Current Ops: PUMPING CEMENT
 24-Hr Summary: LAID DOWN BHA #3 & RAN 5.5" PRODUCTION CASING TO 9717'
 24-Hr Forecast: RR 03/08/2012. ROL 03/10/2012 PUMP CEMENT JOB. N/D. INSTALL TUBING HEAD CLEAN PITS AND RELEASE RIG.

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS		Avg	Max
Last Casing:	9.625in @ 1,853ft	Str Wt Up/Dn:	/	Pump Rate:	0.0	Conn:	0		
Next Casing:	5.500in @ 11,400ft	Str Wt Rot:		Pump Press:	0	Trip:	0	0	
Last BOP Press Test:	02/10/2012	Torq Off Btm:				Backgr:	0	0	
Form Test/EMW:	FIT / 12.12 ppg	Torq On Btm:							

PERSONNEL		SURVEY DATA (LAST 6)								
Supervisor 1:	DEAN NELSON	MD	Incl	Azi	TVD	N-S	E-W	VS	DLS	Build
Supervisor 2:	DARRELL WERTHER	11,358.0	0.60	0.00	11,354.73	231.6	0.0	231.6	0.30	-0.30
Engineer:	IVAN OTERO	11,325.0	0.70	0.00	11,321.74	231.2	0.0	231.2	0.21	-0.21
Geologist:	TIM LYONS	10,939.0	1.50	0.00	10,935.81	223.8	0.0	223.8	0.35	-0.35
Oxy Personnel:	2	10,570.0	2.80	0.00	10,567.08	209.9	0.0	209.9	0.05	-0.05
Contractor Personnel:	19	10,379.0	2.90	0.00	10,376.31	200.4	0.0	200.4	0.64	0.64
Total on Site:	21	10,177.0	1.60	0.00	10,174.47	192.5	0.0	192.5	0.32	-0.32

BIT RECORD										
Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
3	7.875	ULTERRA DRILLING T	U616M	M14382	M423	6x16	9064	11,428	2-2-CT-M	D-1-CT-TD

BIT OPERATING PARAMETERS TODAY												
Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI

MUD DATA - M-I SWACO				LAST OR CURRENT BHA					
Engineer: John Kruczek	MBT:	12.5 lbm/bbl	BHA No: 3	Bit No: 3	MD In: 9064 ft				
Sample From: In	pH:	10.0	Purpose:	MD Out: 11,428 ft					
Mud Type: Freshwater/Gel	Pm / Pom:	0.00	Component		OD	ID	Jts	Length	
Time / MD: 18:00 / 11,428.0	Pf / Mf:	0.7 / 0.9	HWDP	4.500	2.940	4	121.60		
Density @ Temp: 9.50 / 95	Chlorides:	49,000	DRILLING JAR	6.500	2.750	1	32.38		
Rheology Temp: 120	Ca+ / K+:	880 / 0	HWDP	4.500	2.940	8	244.09		
Viscosity: 42.00	CaCl2:	0.00	DRILL COLLAR	6.500	3.000	10	295.82		
PV / YP: 8 / 23	Clom:	0.33	3-POINT REAMER	6.375	2.250	1	7.68		
Gels 10s/10m/30m: 17 / 25 / 29	Lime:	0.00	ORIENTING SUB	6.500	2.180	1	4.96		
API WL: 10.00	ES:	7.00	DRILL COLLAR	6.370	2.780	1	28.79		
HTHP WL: 0.00	ECD:	9.93	3-POINT REAMER	6.375	2.250	1	7.62		
Cake API / HTHP: 2.0 / .0	n / K:	0.00 / 0.000	DRILL COLLAR	6.180	3.000	1	29.38		
Solids / Sol Corr: 2.40 / 0.00	Carbonate:	14 ppm	POSITIVE DISPLACEMENT MOTOR	6.625	4.180	1	32.18		
Oil / Water: 95.0 / 0.0	Bicarbonate:	0 ppm	PDC BIT	8.750	2.500	1	1.00		
Sand: 0.10	Form Loss:	0.0 / 0.0							
Water Added: 133.0 bbl	Fluid Disch:	/							
Oil Added:									
LGS: 5.50 / 50.20									
VG Meter: 17@3 / 18@6 / 24@100 / 27@200 / 31@300 / 39@600									
Comments: No additional mud treatment necessary. Plan to transfer mud products to new location tomorrow.			Total Length:	805.50 ft	Wt below Jars:				

MUD PRODUCTS		
Product	Units	Qty Used
AIR COMP RENT	EACH	1.00
CEDAR FIBER CHIP SEAL	BG,40 LB	4.00
DRIVE-BY ENGINEERING	EACH	1.00
M-I BAR	100 LBS/SK	39.00
PREMIX PIT RENTAL	EACH	1.00
SOAP STICK	EACH	60.00
SODA ASH	BG,50 LB	6.00

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY LEAH 8
 USA

Date: 03/07/2012
 Report No: 15

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	4:00	4.00	31PRDR	TRIP	PULD	P	LDDP FROM 8338' TO 3700' HOLE TAKING PROPER FILL TIGHT SPOT @ 3600 - 3782' PULLED 30K OVER, CAME ON THROUGH WITH OUT WORKING IT SAFETY BREAK: STAYING HYDRATED
4:00	6:00	2.00	31PRDR	TRIP	PULD	P	LDDP FROM 3700 TO 1200'
6:00	10:00	4.00	31PRDR	TRIP	PULD	P	LDDP, AND BHA, REMOVE WEAR BUSHING
10:00	11:00	1.00	31PRRC	CSG	RIGUP	P	PJSM WITH B&L CASING, RIG UP SAME
11:00	22:00	11.00	31PRRC	CSG	RUNCSG	P	RUN 5 1/2" PRODUCTION CASING AS PER PROG. MAKE UP FLOAT EQUIPMENT THREAD LOCKED TO TOP OF FLOAT COLLAR TORQ TO MAX 4,260 FT*LBS, CHECK FLOAT EQUIPMENT GOOD TEST 5 1/2" 17# L-80 LTC PRODUCTION CASING RUN AS FOLLOWS SHOE MODEL 303A , TORQUE TO 4,260FT*LBS 2 -JOINT CASING, TORQUE TO 4,260FT*LBS FLOAT COLLAR MODEL 402A , TORQUE TO 4260FT*LBS 67 -JOINTS CASING, TORQUE TO 3,410FT*LBS 1- FLAG JOINT DEPTH 8,500', TORQUE TO 3,410FT*LBS 35 -JOINTS CASING, TORQUE TO 3,410FT*LBS 47 - JOINTS RYT-WRAP, CASING, TORQUE TO 3,410 FT*LBS 118 - JOINTS CASING, TORQUE TO 3,410FT*LBS FILL UP ON THE FLY AND EVERY 10 JOINTS COMPLETE INSTALL 50 BOWSPRING CENTRALIZER'S AS PER PROGRAM 1 RIGID ON FIRST CONNECTION BELOW WELL HEAD PRECAUTIONARY WASH LAST 3 JOINTS TO BOTTOM, CIRCULATING BOTTOMS UP EACH JOINT SAFETY BREAK: TEAMWORK
22:00	0:00	2.00	31PRRC	CSG	RUNCSG	P	RUN 5 1/2" PRODUCTION CASING AS PER PROG @ 9717'

Total Time 24.00

Safety Incident?	N	Days since Last RI:	63.00	Weather Comments:
Environ Incident?	N	Days since Last LTA:	426.00	
Incident Comments: No incidents reported last 24 hours.				

Other Remarks: EAST OF ANDREWS, TEXAS, AT INTERSECTION OF HIGHWAY 115 AND FM 1788, DRIVE (WEST) ON HIGHWAY 115, .50 MILES. TURN LEFT (SOUTH) ONTO LEASE ROAD. DRIVE 0.1 MILE, TURN LEFT (EAST) DRIVE 0.50 MILE, TO LOCATION.
 TRAILER TEL NUMBER: (713) 948-3590
 FLIGHT FOR LIFE DIRECTIONS: LATITUDE 32°21'21.70"N, LONGITUDE 102°24'02.04"W, NAD 27

SAFETY TOPIC OF THE DAY: GOOD COMMUNICATION
 DAYS WORKED WITH NO LTA: 426
 DAYS SINCE LAST RI: 63
 NUMBER SAFETY MEETINGS:5
 NUMBER NEAR MISSES: 0
 STOP CARDS: 2
 DAILY JSA'S REVIEWED: 16
 PERMITS TO WORK: 0
 LO/TO: X
 PRE-SPUD INSPECTION: X
 POWER-LINE CHECK LIST: X
 SWA'S: X
 BEST STOP CARD OF THE DAY : OBSERVED EMPLOYEE PRESSURE WASHING WITHOUT FACE SHIELD STOPPED HIM & WARNED HIM OF THE HAZARDS AND INFORMED HIM OF OXY POLICY, HE COMPLIED AND JOB CONTINUED WITHOUT INCIDENT.

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY LEAH 8
 USA

Date: 03/08/2012
 Report No: 16

Wellbore / Top MD: 00 @ 0 ft Rig: SAVANNA 643 Ref Datum: ORIGINAL KB @3,078.80ft DFS: 13.00
 Today's MD: 11,428 ft Progress: 0 ft Ground Elev: 3,063.40 ft Daily Cost: \$83,705
 Prev MD: 11,428 ft Rot Hrs Today: 0.00 hr AFE MD/Days: 11,400.0 / 13.6 days Cum Cost: \$1,114,340
 PBMD: Avg ROP Today: 0.0 ft/hr AFE Number: 1146069#0102 AFE Cost: \$1,224,234

Current Formation: STRAWN@11,080.0 Lithology:
 Current Ops: RIGGING DOWN
 24-Hr Summary: RUN & CMT 5.5" PROD CSG, HANG BOP & SET SLIPS, N/D BOP, INSTALL TUBING HEAD, RELEASE RIG 03/08/2012 AT 12:30 HRS, PREPAR
 24-Hr Forecast: RR 03/08/2012, ROL 03/09/2012: RIG MOVE FROM LEAH #8, MOVE IN RIG UP ON LIZBY #3

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS		Avg	Max
Last Casing:	9.625in @ 1,853ft	Str Wt Up/Dn:	/	Pump Rate:	0.0	Conn:	0	0	
Next Casing:	5.500in @ 11,400ft	Str Wt Rot:		Pump Press:	0	Trip:	0	0	
Last BOP Press Test:	02/10/2012	Torq Off Btm:				Backgr:	0	0	
Form Test/EMW:	FIT / 12.12 ppg	Torq On Btm:							

PERSONNEL		SURVEY DATA (LAST 6)								
Supervisor 1:	DEAN NELSON	MD	Incl	Azi	TVD	N-S	E-W	VS	DLS	Build
Supervisor 2:	AUGIE VELASQUEZ	11,358.0	0.60	0.00	11,354.73	231.6	0.0	231.6	0.30	-0.30
Engineer:	IVAN OTERO	11,325.0	0.70	0.00	11,321.74	231.2	0.0	231.2	0.21	-0.21
Geologist:	TIM LYONS	10,939.0	1.50	0.00	10,935.81	223.8	0.0	223.8	0.35	-0.35
Oxy Personnel:	2	10,570.0	2.80	0.00	10,567.08	209.9	0.0	209.9	0.05	-0.05
Contractor Personnel:	14	10,379.0	2.90	0.00	10,376.31	200.4	0.0	200.4	0.64	0.64
Total on Site:	16	10,177.0	1.60	0.00	10,174.47	192.5	0.0	192.5	0.32	-0.32

BIT RECORD										
Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
3	7.875	ULTERRA DRILLING T	U616M	M14382	M423	6x16	9064	11,428	2-2-CT-M	D-1-CT-TD

BIT OPERATING PARAMETERS TODAY												
Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI

MUD DATA - M-J SWACO					LAST OR CURRENT BHA					
Engineer:	John Kruczek	MBT:	12.5 lbm/bbl	BHA No:	3	Bit No:	3	MD In:	9064 ft	
Sample From:	In	pH:	10.0	Purpose:	MD Out: 11,428 ft					
Mud Type:	Freshwater/Gel	Pm / Pom:	0.00	Component		OD	ID	Jts	Length	
Time / MD:	15:00 / 11,428.0	Pf / Mf:	0.7 / 0.9	HWDP	4.500	2.940	4	121.60		
Density @ Temp:	9.50 / 90	Chlorides:	37,000	DRILLING JAR	6.500	2.750	1	32.38		
Rheology Temp:	120	Ca+ / K+:	520 / 0	HWDP	4.500	2.940	8	244.09		
Viscosity:	43.00	CaCl2:	0.00	DRILL COLLAR	6.500	3.000	10	295.82		
PV / YP:	9 / 21	Clom:	0.38	3-POINT REAMER	6.375	2.250	1	7.68		
Gels 10s/10m/30m:	17 / 22 / 25	Lime:	0.00	ORIENTING SUB	6.500	2.180	1	4.96		
API WL:	10.00	ES:	7.00	DRILL COLLAR	6.370	2.780	1	28.79		
HTHP WL:	0.00	ECD:	9.50	3-POINT REAMER	6.375	2.250	1	7.62		
Cake API / HTHP:	2.0 / .0	n / K:	0.00 / 0.000	DRILL COLLAR	6.180	3.000	1	29.38		
Solids / Sol Corr:	1.80 / 0.00	Carbonate:	14 ppm	POSITIVE DISPLACEMENT MOTOR	6.625	4.180	1	32.18		
Oil / Water:	94.0 / 0.0	Bicarbonate:	0 ppm	PDC BIT	8.750	2.500	1	1.00		
Sand:	0.10	Form Loss:	0.0 / 0.0							
Water Added:	0.0 bbl	Fluid Disch:	/							
Oil Added:										
LGS:	6.30 / 57.40									
VG Meter:	17@3 / 18@6 / 26@100 / 28@200 / 30@300 / 39@600									
Comments:	No additional mud treatment necessary.				Total Length:	805.50 ft	Wt below Jars:			

MUD PRODUCTS		
Product	Units	Qty Used
AIR COMP RENT	EACH	1.00
DRIVE-BY ENGINEERING	EACH	1.00
PREMIX PIT RENTAL	EACH	1.00

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY LEAH 8
 USA

Date: 03/08/2012
 Report No: 16

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	2:30	2.50	31PRRC	CSG	RUNCSG	P	RUN 5 1/2" PRODUCTION CASING AS PER PROG. CASING ON BOTTOM @ 02:30 HRS.
2:30	4:00	1.50	31PRRC	CIRC	CNDFLD	P	CIRCULATE 2 BOTTOMS UP AND RIG UP CEMENTERS. SAFETY BREAK: USING TAG LINES
4:00	4:30	0.50	31PRRC	SAFE	PJSM	P	HOLD PJSM WITH CEMENTERS AND CREW
4:30	6:00	1.50	31PRRC	CMT	PRIM	P	CEMENT PER PROG CEMENT 5.5" PRODUCTION CASING TEST LINES TO 4000 PSI PUMP 10 BBLS FRESH WATER SPACER @ 6BBLS/MIN @ 520 PSI PUMP 20 BBL GEL SPACER @ 6BBLS/MIN @ 500 PSI PUMP 11.7 PPG 480 SKS 225 BBLS LEAD CEMENT @ 6BBLS/MIN @ 490 PSI PUMP 13 PPG 810 SKS 249 BBLS TAIL CEMENT @ 7BBLS/MIN @ 244 PSI DROP PLUG PUMP BRINE WATER DISPLACEMENT, 263 BBLS @ 7.5BBLS/MIN @ 120 PSI BUMP PLUG @ 06:16 PUMPING PRESSURE 2600 PSI, BUMPED PLUG 3200 PSI HELD 5 MIN BLEED BACK 2.5 BBLS, FLOATS HELD CEMENT IN PLACE AT 06:20 FULL RETURNS THRU CEMENT JOB.
6:00	12:30	6.50	31PRRC	BOP	RDBOP	P	HOLD PJSM WITH MAN WELDING & SAVANNA CREWS. REVIEWED JSA FROM BOTH PARTIES. N/D BOP EQUIPMENT, SET SLIPS & MAKE ROUGH CUT ON 5.5" CASING. CONTINUE TO RIG DOWN. NIPPLE UP TUBING HEAD TEST TO 4000PSI TEST GOOD RELEASE RIG @ 12:30
Total Time		12.50					

Safety Incident? N Days since Last RI: 64.00
 Environ Incident? N Days since Last LTA: 427.00

Weather Comments:
 Incident Comments:
 No incidents reported last 24 hours.

Other Remarks: EAST OF ANDREWS, TEXAS, AT INTERSECTION OF HIGHWAY 115 AND FM 1788, DRIVE (WEST) ON HIGHWAY 115, .50 MILES. TURN LEFT (SOUTH) ONTO LEASE ROAD. DRIVE 0.1 MILE, TURN LEFT (EAST) DRIVE 0.50 MILE, TO LOCATION.
 TRAILER TEL NUMBER: (713) 948-3590
 FLIGHT FOR LIFE DIRECTIONS: LATITUDE 32°21'21.70"N, LONGITUDE 102°24'02.04"W, NAD 27

SAFETY TOPIC OF THE DAY: RIGGING DOWN
 DAYS WORKED WITH NO LTA: 427
 DAYS SINCE LAST RI: 64
 NUMBER SAFETY MEETINGS: 8
 NUMBER NEAR MISSES: 0
 STOP CARDS: 8
 DAILY JSA'S REVIEWED: 12
 PERMITS TO WORK: 1
 LO/TO: 2
 PRE-SPUD INSPECTION: X
 POWER-LINE CHECK LIST: X
 SWA'S: X
 BEST STOP CARD OF THE DAY : EMPLOYEE NOT PAYING ATTENTION TO BUFFER ZONE WHILE REMOVING BOP, THE JOB WAS STOPPED AND THE DANGER INVOLVED WAS EXPLAINED TO HIM. THE JOB CONTINUED WITHOUT INCIDENT.

TOTAL PT HRS FOR THE MONTH 47 HRS

Job Daily Costs Report for Well LEAH-8

OSH017M0 Total Cost: \$1224899.25

Job Type	Drilling/Completion	Start Date	03/12/2012 05:00:00	Status	Completed
Job Reason	Dev Completion - Cased Hole	End Date	06/27/2012 12:00:00		

Date	AFE	Event Type	Remarks	Hours	Total Cost
2/24/2012	LEAH 8 D&E	Economic Analysis Plan	Analysis Complete	0.0000	0.00
Daily Totals				0.0000	0.00
3/12/2012	LEAH 8 D&E	Daily Summary	3-12-12 -MIRU Schlumberger wireline. RIH and log CNL, CCL, GR, CBL. RDMO wire line. SIW & SDFN PBTB=11299' 3-13-12-Install 10K frac stack. MIRU kill trk. Psi test csg & frac stack to 5000 psi. Psi test good Daily Cost=\$18568 Cum Cost=\$34860.19	0.0000	0.00
Daily Totals				0.0000	0.00
3/14/2012	LEAH 8 D&E	Daily Summary	WOCS: ANTONIO RODRIQUEZ. 03/14/12 Perf Strawn 09:10-10:10 RU Halliburton Wireline. Perf Strawn w/ 3 1/8" csg gun perf. Using 3319-331T charges 19 gm wt. 0.42", 42" penetration, 6 SPF, 60 degree phasing. Perforate Strawn @ 11162, 11134, 11088, 11048, 11006. Total shots=46 & fired=46. Net feet =156'. Reference log Schlumberger CNL/GR/CCL dated 03-12-12. Frac Atoka 15:00-16:44. RU Halliburton frac strawn formation. Break down at 5008 psi @ 3 bpm. Pump 2016 gal 15% Ferchek acid. Pump 28,154 gal treated water pre-pad. 78,776 gal Hybor G Pad, 67,174 gal Hybor	0.0000	0.00

G w/ 78,356# 20/40 Premium prop, 1008 gal 15% Ferchek acid, 9717 gal treated water flush. Max rate 61 bpm, Avg rate=58 bpm, Max psi=6081 psi, Avg psi=5702 psi, ISIP=4264 psi. Total load=187,500 gal. NOTE: Had a 5 hour delay due to Halliburton Tech Command center generator breaking down before the job started. Perf Lower Wolfcamp 17:00-18:00 RU Halliburton Wireline. RIH w/ 5 ?" composite plug. Set @ 10830'. Perf Lower Wolfcamp w/ 3 1/8" csg gun perf. using 3319-331T charges 19 gm wt. 0.42" EHD, 42" penetration, 6 SPF, 60 degree phasing. Perforate Lower Wolfcamp Formation @ 10777,10732,10692,10636, 10599, 10553. Total shots=50 & fired=50. Net feet =224'. Reference log Schlumberger CNL/GR/CCL dated 03-12-12. Set a solid composite bridge plug due to having a very high shutin pressure. Daily Cost=\$119,783.83 Cum Cost=\$153,074.26

Daily Totals		0.0000	0.00
3/15/2012	1146069 Job Cost Detail Report	0.0000	882332.00
	Capital - Chemical		500.00
	Capital - Tank Rental		25000.00
	Capital - Stimulation Frac		719565.00
	Capital - Wireline		18553.48
	Capital - Wireline		14723.25

		Capital - Wireline			49036.8
		Capital - Professional Services			3
		Capital - Transport			1200.0
		Capital - Other Rental Equip			12000.0
		Capital - Material Misc			0
		Capital - Other Rental Equip			1500.0
					17886.0
					0
					22367.4
					2
	Daily Totals		0.0000	882332.0	0
4/2/2012	LEAH 8 D&E	Rig Crew Travel Time	DROVE CREW TO LOCATION	1.0000	246.00
	LEAH 8 D&E	Safety Meeting	DO JSA (ROADING RIG) DO PRE TRIP INSPECTION	1.0000	246.00
	LEAH 8 D&E	Rig Crew Travel Time	WAIT ON DRIVER AND ROAD RIG TO LEAH 8	3.0000	738.00
	LEAH 8 D&E	Safety Meeting	DO JSA. SPOT RIG. PUMPING UNIT ON UPSTROKE	0.5000	123.00
	LEAH 8 D&E	Casing - Check Pressure	WELL WAS FLOWING AT 0 PSI 1/4 BPM. ISP-50 PSI	1.0000	246.00
	LEAH 8 D&E	Well Control - Kill Well - Brine	RIG UP PUMP TRUCK BULLHEAD 320 BBLS B/W DOWN CASING SHUT IN PRESSURE 600 PSI	3.5000	861.00
	LEAH 8 D&E	Equipment - Load/Unload	SPOT PIPE RACKS AND CATWALK. UNLOAD 364 JTS 2 7/8" L-80 TBG	2.5000	615.00
	LEAH 8 D&E	Tubing - Tally	COUNT TBG AND TALLY IT	1.0000	246.00
	LEAH 8 D&E	Shut-in Overnight	SECURE WELL. SION.	0.5000	123.00
	LEAH 8 D&E	Rig Crew Travel Time	DROVE CREW HOME.	1.0000	246.00
1146069		Job Cost Detail Report		0.0000	15300.00
		Capital - BOP			700.00
		Capital - Tank Rental			100.00
		Capital - Truck Hauling			2600.00
		Capital - Gang - Roustabout			400.00
		Capital - Reverse Rig/Mud Pump			3200.00

			Capital - Professional Services		650.00
			Capital - Tank Rental		1200.00
			Capital - Other Rental Equip		1100.00
			Capital - Truck Hauling		1200.00
			Capital - Other Rental Equip		300.00
			Capital - Truck Hauling		2700.00
			Capital - Truck Hauling		1100.00
			Capital - Other Rental Equip		50.00
			4-2-12 LEAH 8 KEY 191 DAILY		
			COST-\$ CUM COST-\$ WOC-		
			JUAN RONDAN ROAD RIG		
			TO LOCATION. TOO WINDY		
			TO RIG UP. WELL WAS		
			OPEN TO PIT. FLOWING 1/4		
			BPM AT 0 PSI. ISIP- 50 PSI.		
			BULLHEAD 250 BBLS 10#		
LEAH	Daily		BRINE WATER. ISIP-600 PSI.	0.0000	0.00
8 D&E	Summary		UNLOAD AND SET 364 JTS 2		
			7/8" L-80 ON PIPE		
			RACKS.SECURE WELL SION.		
			NDP- KILL WELL. NIPPLE		
			DOWN FRAC VALVE, NIPPLE		
			UP BOP. PICK UP BIT,		
			COLLARS AND TBG.		
	Daily			15.000	
	Totals			0	18990.00
4/3/2012	LEAH 8 D&E	Rig Crew Travel Time	DROV E CREW TO LOCATION	1.0000	246.00
	LEAH 8 D&E	Safety Meeting	DO JSA [RIGGING UP]	0.5000	123.00
	LEAH 8 D&E	Pulling Unit - Rig Up	SPOT RIG AND RIG UP PULLING UNIT.	2.0000	492.00
	LEAH 8 D&E	Casing - Check Pressure	SICP- 250 PSI.	1.0000	246.00
	LEAH 8 D&E	Casing - Flowback	OPEN WELL TO FLOWBACK TANK. FLOWED BACK 180 BBLS WATER. SLOWED DOWN TO 1/4 BPM. BUT WOULDN'T DIE.	5.0000	1230.00
	LEAH 8 D&E	Well Control - Kill Well - Brine	RIG UP PUMP TRUCK AND PUMP 240 BBLS 10# BRINE WATER. ISIP- 600 PSI.	3.0000	738.00
	LEAH 8 D&E	Shut-in Overnight	SECURE WELL SION	0.5000	123.00
	LEAH	Rig Crew	DROVE CREW HOME	1.0000	246.00

8	D&E	Travel Time			
114606		Job Cost			
9		Detail	0.0000	94450.00	
		Report			
		Capital - BOP			350.00
		Capital - Tank Rental			100.00
		Capital - Reverse Rig/Mud Pump			2200.00
		Capital - Professional Services			650.00
		Capital - Other Rental Equip			100.00
		Capital - Truck Hauling			2600.00
		Capital - Tank Rental			100.00
		Capital - Tubing			80000.00
					0
		Capital - Other Rental Equip			800.00
		Capital - Other Rental Equip			7500.00
		Capital - Other Rental Equip			50.00
		4-3-12 DAILY COST-\$			
		18,807.50 CUM COST-\$			
		172,807.50 LEAH 8 KEY 191			
		WOC- JUAN RONDAN DCTL			
		HTGSM- SICP- 250 PSI. WAIT			
		ON FLOWBACK TANK TO BE			
		SET. HOOK UP FLOWLINE			
		TO FLOWBACK. OPEN			
LEAH 8 D&E	Daily Summary	CASING FLOW BACK 180	0.0000	0.00	
		BBLs. LOOKED LIKE WELL			
		WAS GOING TO DIE BUT			
		NEVER DID. BULLHEAD 240			
		BBLs B/W SION. NDP- BLEED			
		WELL DOWN , NIPPLE DOWN			
		FRAC VALVE AND NIPPLE			
		UP BOP.			
		Daily Totals	14.0000	97894.00	
			0		
4/4/2012	LEAH 8 D&E	Daily Summary	0.0000	0.00	
		4-4-12 LEAH 8 KEY 191 DAILY			
		COST-\$ 98,747.00 CUM			
		COST-\$ 271,565.50 WOC-			
		JUAN RONDAN DCTL			
		HTGSM- SICP- 50 PSI BLEED			
		WELL DOWN , NIPPLE DOWN			
		FRAC VALVE AND NIPPLE			
		UP BOP.PICK UP 4 3/4" BIT,			
		6-3 1/2" DRILL COLLARS AND			
		255 JTS 2 7/8" L-80 TBG.			
		SECURE WELL SION. NDP-			

			BREAK CIRCULATION. DRILL OUT PLUGS.		
LEAH 8 D&E	Rig Crew Travel Time		DROVE CREW TO LOCATION	1.0000	246.00
LEAH 8 D&E	Safety Meeting		DO JSA [NIPPLE DOWN FRAC VALVE]	0.5000	123.00
LEAH 8 D&E	Casing - Check Pressure		SICP- 50 PSI	0.5000	123.00
LEAH 8 D&E	Casing - Flowback		OPEN WELL TO FLOWBACK TANK. WELL DIED DOWN.	1.0000	246.00
LEAH 8 D&E	Frac Valve - Nipple Down		NIPPLE DOWN FRAC VALVE.	1.5000	369.00
LEAH 8 D&E	BOPE Hydraulic - Nipple Up		FUNCTION TEST AND NIPPLE UP BOP.	1.5000	369.00
LEAH 8 D&E	Break for Crew		LUNCH BREAK	1.0000	246.00
LEAH 8 D&E	Tubing - Tally		TALLY 2 7/8" L-80 TUBING.	1.0000	246.00
LEAH 8 D&E	Bit - Run		PICK UP 4 3/4" BIT, 6-3 1/2" DRILL COLLARS.	1.0000	246.00
LEAH 8 D&E	Tubing - Run		PICK UP 255 HTS 2 7/8" L-80 TUBING.	4.5000	1107.00
LEAH 8 D&E	Shut-in Overnight		SECURE WELL SION.	0.5000	123.00
LEAH 8 D&E	Rig Crew Travel Time		DROVE CREW HOME.	1.0000	246.00
114606 9	Job Cost Detail Report			0.0000	13650.00
			Capital - BOP		350.00
			Capital - Tank Rental		100.00
			Capital - Other Rental Equip		100.00
			Capital - Reverse Rig/Mud Pump		2200.00
			Capital - Professional Services		650.00
			Capital - Truck Hauling		2600.00
			Capital - Other Rental Equip		7500.00
			Capital - Tank Rental		100.00
			Capital - Other Rental Equip		50.00
	Daily Totals			15.000 0	17340.00
4/5/201 2	LEAH 8 D&E	Daily Summary	4-5-12 LEAH 8 KEY 191 DAILY COST-\$ 18,312.50 CUM	0.0000	0.00

		COST-\$ 1019,298.90 WOC- JUAN RONDAN DCTL HTGSM- SICP-0 psi and sitp- 0 psi- Put check valve in 2 7/8" L- 80 tbg at 8200'. Rig up foam air unit. Break circulation.With 4 3/4" bit drill out plugs at 8650', 9150', 9700', 10,080'. Circulate clean. Pull bit to 8200'. Secure well SION. NDP- Drill out last 2 plugs at 10,450' 10,830' and clean out to T.D @ 11340'		
LEAH 8 D&E	Rig Crew Travel Time	DROVE CREW TO LOCATION	1.0000	246.00
LEAH 8 D&E	Safety Meeting	DO JSA	0.5000	123.00
LEAH 8 D&E	Circulate	RIG UP FOAM AIR UNIT. BREAK CIRCULATION	2.0000	492.00
LEAH 8 D&E	Tubing - Run	Run 2 7/8" L-80 tbg from 8200' to top of first plug at 8650'. Rig up power swivel.	2.0000	492.00
LEAH 8 D&E	Drill - Bridge Plug	With 4 3/4" bit drill out 4 plugs at 8650' , 9150' , 9700' , 10,080'.	4.5000	1107.00
LEAH 8 D&E	Circulate	Circulate well for 2 hrs to clean up. Lay down swivel	2.5000	615.00
LEAH 8 D&E	Tubing - Pull	Pull bit up above perms to 8200'	1.0000	246.00
LEAH 8 D&E	Shut-in Overnight	SECURE WELL. SION	0.5000	123.00
LEAH 8 D&E	Rig Crew Travel Time	DROVE CREW HOME	1.0000	246.00
114606 9	Job Cost Detail Report		0.0000	8750.00
		Capital - BOP		350.00
		Capital - Tank Rental		100.00
		Capital - Other Rental Equip		100.00
		Capital - Reverse Rig/Mud Pump		2200.00
		Capital - Professional Services		650.00
		Capital - Truck Hauling		4000.00
		Capital - Tank Rental		100.00
		Capital - Hourly Vacuum		1200.00
		Capital - Other Rental Equip		0.00
		Capital - Other Rental Equip		50.00

Daily Totals			15.0000	12440.00
4/6/2012	LEAH 8 D&E	Daily Summary	0.0000	0.00
	LEAH 8 D&E	Safety Meeting	2.0000	492.00
	LEAH 8 D&E	Rig Crew Travel Time	1.0000	246.00
	LEAH 8 D&E	Safety Meeting	0.5000	123.00
	LEAH 8 D&E	Tubing - Check Pressure	0.5000	123.00
	LEAH 8 D&E	Casing - Check Pressure	0.5000	123.00
	LEAH 8 D&E	Tubing - Run	1.5000	369.00
	LEAH 8 D&E	Drill - Bridge Plug	3.0000	738.00
	LEAH 8 D&E	Well Control - Kill Well - Brine	2.0000	492.00
	LEAH 8 D&E	Tubing - Pull	1.5000	369.00
	LEAH 8 D&E	Shut-in Overnight	0.5000	123.00
	LEAH 8 D&E	Rig Crew Travel Time	1.0000	246.00

	LEAH 8 D&E	Safety - Personnel		0.0000	0.00
	1146069	Job Cost Detail Report		0.0000	8750.00
		Capital - BOP			350.00
		Capital - Tank Rental			100.00
		Capital - Other Rental Equip			100.00
		Capital - Reverse Rig/Mud Pump			2200.00
		Capital - Professional Services			650.00
		Capital - Truck Hauling			4000.00
		Capital - Tank Rental			100.00
		Capital - Hourly Vacuum			1200.00
		N/A			0.00
		Capital - Other Rental Equip			50.00
	Daily Totals			14.0000	12194.00
4/7/2012	1146069	Job Cost Detail Report		0.0000	700.00
		Capital - BOP			350.00
		Capital - Tank Rental			100.00
		Capital - Other Rental Equip			100.00
		Capital - Tank Rental			100.00
		Capital - Other Rental Equip			50.00
	Daily Totals			0.0000	700.00
4/8/2012	1146069	Job Cost Detail Report		0.0000	700.00
		Capital - Other Rental Equip			50.00
		Capital - BOP			350.00
		Capital - Tank Rental			100.00
		Capital - Other Rental Equip			100.00
		Capital - Tank Rental			100.00
	Daily Totals			0.0000	700.00
4/9/2012	LEAH 8 D&E	Rig Crew Travel Time	DROVE CREW TO LOCATION	1.0000	246.00
	LEAH 8 D&E	Safety Meeting	DO JSA (BLEEDING WELL DOWN)	0.5000	123.00
	LEAH 8 D&E	Tubing - Check Pressure	SITP- 450 PSI	0.5000	123.00
	LEAH 8 D&E	Casing -	SICP- 1000 PSI.	0.5000	123.00

	8 D&E	Check Pressure			
	LEAH 8 D&E	Well Control - Kill Well - Brine	BLEED WELL DOWN. PUMP 60 BBLs B/W DOWN TBG AND 80 BBLs B/W DOWN CASING	3.0000	738.00
	LEAH 8 D&E	Tubing - Run	With 4 3/4" bit 8200' Ran it down to 11,247'.	1.0000	246.00
	LEAH 8 D&E	Wellbore Cleanout	Break circulation and clean out from 11,247' to PBTD at 11,340'	2.0000	492.00
	LEAH 8 D&E	Well Control - Kill Well - Brine	CIRCULATE WELL CLEAN. KILL WELL.	3.5000	861.00
	LEAH 8 D&E	Tubing - Pull	PULL BIT UP TO 8200'	1.5000	369.00
	LEAH 8 D&E	Shut-in Overnight	SECURE WELL SION	0.5000	123.00
	LEAH 8 D&E	Rig Crew Travel Time	DROVE CREW HOME	1.0000	246.00
	LEAH 8 D&E	Safety - Personnel		0.0000	0.00
114606		Job Cost Detail		0.0000	20050.00
9		Report			
			Capital - BOP		350.00
			Capital - Tank Rental		100.00
			Capital - Other Rental Equip		100.00
			Capital - Reverse Rig/Mud Pump		2200.00
			Capital - Professional Services		650.00
			Capital - Truck Hauling		2400.00
			Capital - Tank Rental		100.00
			Capital - Hourly Vacuum		1600.00
			Capital - Other Rental Equip		12500.00
			Capital - Other Rental Equip		0
			Capital - Other Rental Equip		50.00
		Daily Totals		15.0000	23740.00
				0	
4/10/2012	LEAH 8 D&E	Daily Summary	4-10-12 LEAH 8 KEY 191 DAILY COST-\$ 28,102.00 CUM COST-\$ 1077,813.40 WOC- JUAN RONDAN DCTL HTGSM- SICP-450 PSI AND SICP- 800 PSI. Bled well down. Pump 55 bbls 10# b/w down tbg and 60 bbls b/w down	0.0000	0.00

			casing. POH with 253 jts 2 7/8" I80, lay down 6 - 3 1/2" drill collars and bit. Rig up slick line truck. Tag pbtd at 11,310' and run tracer survey from 11,310' to 7901'. rig down slick line truck. Secure well sion. NDP-Kill well run bha without tac and tbg in hole.		
114606 9	Job Cost Detail Report			0.0000	22050.00
			Capital - BOP		350.00
			Capital - Tank Rental		100.00
			Capital - Other Rental Equip		100.00
			Capital - Reverse Rig/Mud Pump		2200.00
			Capital - Professional Services		650.00
			Capital - Tank Rental		100.00
			Capital - Hourly Vacuum		2500.00
			Capital - Other Rental Equip		50.00
			Capital - Other Rental Equip		11000.00
			Capital - Other Rental Equip		0
			Capital - Other Rental Equip		5000.00
Daily Totals				0.0000	22050.00
4/11/20 12	LEAH 8 D&E	Daily Summary	4-11-12 LEAH 8 KEY 191 DAILY COST-\$ 27,263.00 CUM COST-\$ 1,134,195.30 WOC- JUAN RONDAN DCTL HTGSM- SICP-200 psi. Bled well down. Pump 30 bbls 10# b/w down casing.Run bull plug, 20' x 2 7/8" mud anchor, 2 7/8" 12 slot sandscreen, 2 7/8" mhd s.n., 2 jts 2 7/8" tk-99, 7 jts 2 7/8" I-80, 2 7/8" x 4' I-80 markr sub and 351 jts 2 7/8" I-80 tbg. With s.n.@ 11191' and bull plug @ 11,237' Nipple down bop and land tbg on dual flange. Secure well sion. NDP-Run pump,k-bars and rods in hole.	0.0000	0.00
	LEAH 8 D&E	Rig Crew Travel Time	DROVE CREW TO LOCATION	1.0000	246.00

LEAH 8 D&E	Safety Meeting	DO JSA (WELL CONTROL)	0.5000	123.00
LEAH 8 D&E	Casing - Check Pressure	CHECK CASING IT HAD 200 PSI	0.5000	123.00
LEAH 8 D&E	Well Control - Kill Well - Brine	BLED WELL DOWN. PUMP 30 BBLS B/W DOWN CASING. PUT WELL ON VACUUM. Run 2 7/8" bull plug, 2 7/8" x 20' mud anchor, 2 7/8" x 23' 12 slot sandscreen, 2 7/8" MHD S.N., 2 jts 2 7/8" tk-99, 7 jts 2 7/8" L-80, 2 7/8" x 4' marker sub and 100 jts 2 7/8" L-80.	1.5000	369.00
LEAH 8 D&E	Tubing - Run		0.0000	492.00
LEAH 8 D&E	Break for Crew	LUNCH BREAK	1.0000	246.00
LEAH 8 D&E	Tubing - Run	Ran 251 jts 2 7/8" I-80. For a total of 351 jts above marker sub. S.n.@ 11,191' and bull plug@-11237'	0.0000	738.00
LEAH 8 D&E	BOPE Hydraulic - Nipple Down	NIPPLE DOWN HYDRAULIC BOP	1.5000	369.00
LEAH 8 D&E	Wellhead - Nipple Up	INSTALL DUAL FLANGE FOR PROD SURVEY AND LAND TBG. NIPPLE UP WELLHEAD	1.5000	369.00
LEAH 8 D&E	Shut-in Overnight	SECURE WELL. SION	0.5000	123.00
LEAH 8 D&E	Rig Crew Travel Time	DROVE CREW HOME.	1.0000	246.00
LEAH 8 D&E	Safety - Personnel		0.0000	0.00
114606 9	Job Cost Detail Report		0.0000	49050.00
	Capital - BOP			350.00
	Capital - Tank Rental			100.00
	Capital - Other Rental Equip			100.00
	Capital - Reverse Rig/Mud Pump			2200.00
	Capital - Other Rental Equip			4500.00
	Capital - Pump			5000.00
	Capital - Professional Services			650.00
	Capital - Rods			26000.00
				0

			Capital - Truck Hauling	2400.00	
			Capital - Tank Rental	100.00	
			Capital - Other Rental Equip	900.00	
			Maint - Other Rental Equip	5500.00	
			Capital - Other Rental Equip	50.00	
			Capital - Gang - Roustabout	1200.00	
Daily Totals				9.0000	52494.00
4/12/2012	LEAH 8 D&E	Daily Summary	4-12-12 LEAH 8 KEY 191 DAILY COST-\$ 52,252.00 CUM COST-\$ 1,186,447.30 WOC- JUAN RONDAN DCTL HTGSM- SITP- 150 PSI and SICP- 200 PSI. Bled well down. Pump 55 bbls b/w down tbg and 60 bbls down casing. Nipple up pumping tee. Prod survey flange in stalled for Prod survey as per Engineers orders. at completion of job. Pick up 2.5 x 1.50 x 24' wilson grooved plunger pump w/ mhd. 6-1.50" K sinker bars with 3/4" sh t couplings, 283- 3/4" weatherford H.S. with f.h. t- couplings,50-7/8" H.S. with 7/8" F.T. t-couplings. Pick up polish rod.Secure well sion NDP- Finish running rods Space pump out HWO.	0.0000	0.00
	LEAH 8 D&E	Rig Crew Travel Time	DROVE CREW TO LOCATION	1.0000	246.00
	LEAH 8 D&E	Safety Meeting	DO JSA (BLEEDING WELL DOWN)	0.5000	123.00
	LEAH 8 D&E	Casing - Check Pressure	SICP- 200 PSI	0.5000	123.00
	LEAH 8 D&E	Tubing - Check Pressure	SITP- 150 PSI	0.5000	123.00
	LEAH 8 D&E	Well Control - Kill Well - Brine	BLED WELL DOWN. PUMP 55 BBLS 10# B/W DOWN TBG AND 60 BBLS B/W DOWN CASING.	2.5000	615.00
	LEAH 8 D&E	Rods - Run	PICK UP 2.5 X 1.50 X 24' WILSON GROOVED	0.0000	492.00

			PLUNGER PUMP, 6-1.50" K SINKER BARS WITH 3/4" S.H. T-COUPLINGS, 60-3/4" H.S. RODS WITH F.H. T-COUPLINGS. PICK UP POLISH ROD.		
	LEAH 8 D&E	Break for Crew	LUNCH BREAK	1.0000	246.00
	LEAH 8 D&E	Rods - Run	LAY DOWN POLISH ROD. PICK UP 223-3/4" H.S. WITH F.H. T-COUPLINGS AND 50-7/8" H.S WITH F.H. T-COUPLINGS. PICK UP POLISH ROD	4.5000	1107.00
	LEAH 8 D&E	Shut-in Overnight	SECURE WELL. SION	0.5000	123.00
	LEAH 8 D&E	Rig Crew Travel Time	DROVE CREW HOME	1.0000	246.00
	LEAH 8 D&E	Safety - Personnel		0.0000	0.00
	1146069	Job Cost Detail Report		0.0000	5950.00
			Capital - BOP		350.00
			Capital - Tank Rental		100.00
			Capital - Other Rental Equip		100.00
			Capital - Reverse Rig/Mud Pump		2200.00
			Capital - Professional Services		650.00
			Capital - Truck Hauling		2400.00
			Capital - Tank Rental		100.00
			Capital - Other Rental Equip		50.00
	Daily Totals			12.0000	9394.00
4/13/2012	LEAH 8 D&E	Daily Summary	4-13-12 LEAH 8 KEY 191 WOC-JUAN RONDAN SITP- 100 PSI AND SICP- 250 PSI. Bled well down. pump 40 bbls b/w down tbg and 60 bbls down casing. lay down polish rod. Pick up 101-7/8" h.s. rods with 7/8" f.h. t-couplings. Space pump out to 35". Wait on Weatherford to put unit on downstroke. Long stroke well 7 strokes 500 psi. hang well on .	0.0000	0.00

LEAH 8 D&E	Safety Meeting	Secure well sion. WENT TO OXY WEEKLY SAFETY MEETING	2.0000	492.00
LEAH 8 D&E	Rig Crew Travel Time	DROVE CREW TO LOCATION	1.0000	246.00
LEAH 8 D&E	Safety Meeting	DO JSA	0.5000	123.00
LEAH 8 D&E	Tubing - Check Pressure	SITP-150 PSI	0.5000	123.00
LEAH 8 D&E	Casing - Check Pressure	SICP-250 PSI	0.5000	123.00
LEAH 8 D&E	Well Control - Kill Well - Brine	BLEED WELL DOWN.. PUNP 40 BBS B/W DOWN TBG AND 60 BBLS B.W DOWN CAISING. WELL WENT ON VACUUM.	1.5000	369.00
LEAH 8 D&E	Break for Crew	LUNCH BREAK	1.0000	246.00
LEAH 8 D&E	Rods - Run	PICK UP 101-7/8" H.S. WEATHERFORD RODS WITH F.H. T-COUPPLINGS. AND 18' OF PONY RODS. LOAD AND TEST TBG TO 500 PSI. SPACE PUMP OUT TO 35". 7 STROKES 500 PSI. BLEED WELL DOWN.	0.0000	615.00
LEAH 8 D&E	Waiting on Service Provider	WAIT ON WEATHFORD TO PUT UNIT ON DOWNSTROKE	1.5000	369.00
LEAH 8 D&E	Pumping Unit - Hang on Head	HANG ON HORSE HEAD	1.0000	246.00
LEAH 8 D&E	Shut-in Overnight	SECURE WELL. SION	0.5000	123.00
LEAH 8 D&E	Rig Crew Travel Time	DROVE CREW HOME	1.0000	246.00
LEAH 8 D&E	Safety - Personnel		0.0000	0.00
114606 9	Job Cost Detail Report		0.0000	5950.00
		Capital - BOP		350.00
		Capital - Tank Rental		100.00
		Capital - Other Rental Equip		100.00

			Capital - Reverse Rig/Mud Pump		2200.00
			Capital - Professional Services		650.00
			Capital - Truck Hauling		2400.00
			Capital - Tank Rental		100.00
			Capital - Other Rental Equip		50.00
		Daily Totals		11.0000	9271.00
4/14/2012	LEAH 8 D&E	Daily Summary	4-14-12 LEAH 8 KEY 191 Rig down clean location.	0.0000	0.00
	LEAH 8 D&E	Wellbore Report		0.0000	0.00
	LEAH 8 D&E	Rig Crew Travel Time	DROVE CREW TO LOCATION	1.0000	246.00
	LEAH 8 D&E	Safety Meeting	DO JSA	0.5000	123.00
	LEAH 8 D&E	Pulling Unit - Rig Down	RIG DOWN PULLING UNIT AND REVERSE UNIT. CLEAN LOCATION.	3.0000	738.00
	LEAH 8 D&E	Break for Crew	LUNCH BREAK	1.0000	246.00
	LEAH 8 D&E	Rig Crew Travel Time	DROVE TO NEXT LOCATION TO CHECK ANCHORS AND DROVE CREW HOME	2.5000	615.00
	LEAH 8 D&E	Safety - Personnel		0.0000	0.00
1146069	Job Cost Detail Report			0.0000	5950.00
			Capital - BOP		350.00
			Capital - Tank Rental		100.00
			Capital - Other Rental Equip		100.00
			Capital - Reverse Rig/Mud Pump		2200.00
			Capital - Professional Services		650.00
			Capital - Truck Hauling		2400.00
			Capital - Tank Rental		100.00
			Capital - Other Rental Equip		50.00
		Daily Totals		8.0000	7918.00
6/21/2012	LEAH 8 D&E	Pulling Unit - Rig Up	RIG UP PULLING UNIT	1.0000	315.03
1146069	Job Cost Detail Report			0.0000	7100.00
			Capital - BOP		650.00

		Capital - Reverse Rig/Mud Pump		1850.00
		Capital - Hourly Vacuum		3000.00
		Capital - Tank Rental		100.00
		Capital - Tank Rental		100.00
		Capital - Gang - Roustabout		1400.00
		"6/21/12Leah #8WESTEX		
		532Jim BirkenfeldHeld tailgate safety meeting JSA on driving. Road pulling unit from MABEE 239D - 117 to Leah #8. Arrive on location 1 ½ hose on cardinal lubricator burst rig up reverse unit pump 10# brine down casing kill well. Survey tool and 2,600 feet line wrapped around tubing. Clean up location cover rat hole. Spot and rig up pulling unit. Remove horse head lay down polish rod unseat pump. Start pulling rods. Secure well shut down. NDP pull rods pull tubing.Daily cost 11,880Accumulated cost 21,780"	0.0000	0.00
LEAH 8 D&E	Daily Summary			
	Daily Totals		1.0000	7415.03
6/22/2012	1146069	Job Cost Detail Report	0.0000	5100.00
		Capital - BOP		650.00
		Capital - Reverse Rig/Mud Pump		1850.00
		Capital - Hourly Vacuum		600.00
		Capital - Tank Rental		100.00
		Capital - Tank Rental		100.00
		Capital - Professional Services		1200.00
		Capital - Professional Services		600.00
LEAH 8 D&E	Rig Crew Travel Time	Crew travel	0.5000	157.52
LEAH 8 D&E	Safety Meeting	Tailgate Safety meeting inspect rig	1.0000	315.03
LEAH 8 D&E	Tubing - Check Pressure	0 psi on tbg	0.2500	78.76
LEAH	Casing -	100 psi on csg	0.2500	78.76

8 D&E	Check Pressure			
LEAH 8 D&E	Well Control - Bleed Well Down	bled to open top pit, pump 80 BBLs 10# brine down csg, 15 BBLs 10# brine down tbg	5.5000	1732.67
LEAH 8 D&E	Pulling Unit - Repair/Service	Rod transfer cable wedged between the sheave and derrick, cut 1/2 of cable off, unable to get the rest without R/U pulling unit	4.5000	1417.63
LEAH 8 D&E	Shut-in Overnight	Closed valves on 10000# wellhead, closed valves on tubing	0.5000	157.52
LEAH 8 D&E	Rig Crew Travel Time	Crew travel	0.5000	157.52
LEAH 8 D&E	Daily Summary	"06-22-12LEAH 8WESTEX 532WOCS-CESAR MARINOpen well 100psi casing tubing 0psi, bled to open top pit, pumped 80bbls 10# brine down casing, 15bbls 10# brine down tubing, pooh with 1 triple to derrick, derrick man noticed that the transfer cable was wedged between the sheave and the derrick, crew tried to remove cable cut half of cable off, called Weatherford to roll the weights on the pumping unit, scheduled for tomorrow, closed valves on 10000# wellhead, close valves on pumping tee SDFN. NDP, Weatherford will roll weights on pumping unit, R/D pulling unit, Fix transfer cable R/U pulling unitDaily Cost\$9,600.00Cum.Cost\$31,38 0.00"	0.0000	0.00
Daily Totals			13.000 0	9195.41
6/23/20 12	114606 9	Job Cost Detail Report	0.0000	1800.00
			Capital - Professional Services	600.00
			Capital - Material Misc	1200.00

	LEAH 8 D&E	Rig Crew Travel Time	Crew travel	0.5000	157.52
			"06-23-12LEAH 8WESTEX 532WOCS-CESAR MARINWeatherford tandem trucks rolled the weights to the down stroke position on the pumping unit, R/D pulling unit, replaced rod transfer cable, R/U pulling unit, SDFN. NDP POOH with rods, N/U bop, POOH with tubing to the survey toolDaily Cost\$4,800.00 Cum.Cost\$36,180.00"	0.0000	0.00
	LEAH 8 D&E	Safety Meeting	Tailgate Safety meeting inspect rig	1.0000	315.03
	LEAH 8 D&E	Pumping Unit - Align	Weatherford tandem truck rolled weights on pumping unit	0.5000	157.52
	LEAH 8 D&E	Pulling Unit - Rig Down Pulling Unit	RD PU	1.0000	315.03
	LEAH 8 D&E	- Repair/Service	Replaced rod transfer cable with a 3/8" cable	3.0000	945.09
	LEAH 8 D&E	Break for Crew	Lunch for crew	0.5000	157.52
	LEAH 8 D&E	Pulling Unit - Rig Up	R/U pulling unit, get equipment ready to pull rods monday	3.0000	945.09
	LEAH 8 D&E	Rig Crew Travel Time	Crew travel	0.5000	157.52
		Daily Totals		10.000 0	4950.32
6/25/20 12	114606 9	Job Cost Detail Report		0.0000	3900.00
			Capital - BOP		650.00
			Capital - Reverse Rig/Mud Pump		1850.00
			Capital - Hourly Vacuum		1200.00
			Capital - Tank Rental		100.00
			Capital - Tank Rental		100.00
	LEAH 8 D&E	Rig Crew Travel Time	Crew travel	1.0000	315.03
	LEAH 8 D&E	Safety Meeting	Tailgate Safety meeting inspect rig	0.5000	157.52
	LEAH	Casing -	0 psi on csg	0.2500	78.76

	8 D&E	Check Pressure			
	LEAH 8 D&E	Tubing - Check Pressure	0 psi on tbg	0.2500	78.76
	LEAH 8 D&E	Well Control	Pump 35 bbls 9# down tbg 80 bbls 9# down csg	1.0000	315.03
	LEAH 8 D&E	Pump/Rods - Pull	Pull rods lay down sinker bars pump	3.0000	945.09
	LEAH 8 D&E	Break for Crew	Lunch	0.5000	157.52
	LEAH 8 D&E	BOPE Hydraulic - Nipple Up	Fucntion test and NU hydro BOP	1.5000	472.54
	LEAH 8 D&E	Tubing - Pull	pull 4jts spool about 2600 feet wire line lay down survey tool	6.0000	1890.18
	LEAH 8 D&E	Tubing - Run	Run 4 jts 2-7/8	0.5000	157.52
	LEAH 8 D&E	Shut-in Overnight	SD	0.5000	157.52
	LEAH 8 D&E	Rig Crew Travel Time	Crew travel	1.0000	315.03
	Daily Totals			16.0000	8940.50
6/26/2012	LEAH 8 D&E	Safety Meeting	weekly safety meeting in westex yard	0.8500	267.34
	LEAH 8 D&E	Rig Crew Travel Time	travel from westex yard to location in andrews.(fransico rosas op gh,angel rodriguez dh gh,lazaro garcia fh wh and carlos flores fh wh)	1.2900	407.35
	LEAH 8 D&E	Safety Meeting	when over jsa w/ fransico rosas op gh,angel rodriguez dh gh,carlos flores fh gh,lazaro garcia fh wh,and jime the rivers operator on cheking casing and tubing pressure nd bop runing rods	0.5500	174.40
	LEAH 8 D&E	Casing - Check Pressure	0psi	0.1300	39.82
	LEAH 8 D&E	Tubing - Check Pressure	0 psi	0.0600	18.46
	LEAH 8 D&E	Well Control - Circulate	Pump 35 bbls 9# down tubing 80 bbls 9# brine down casing	0.6000	189.81

KCI Water				
Job Cost				
Detail			0.0000	8600.00
Report				
		Capital - BOP		650.00
		Capital - Reverse Rig/Mud Pump		1850.00
		Capital - Hourly Vacuum		1200.00
		Capital - Tank Rental		100.00
		Capital - Tank Rental		100.00
		Capital - Truck Hauling		1200.00
		Capital - Pump		3500.00
		6/26/12 Leah #8 WESTEX 532 Jim Birkenfeld Held tailgate safety meeting JSA on hand placement pinch points. Open well casing 0 psi tubing 0 psi. Pump 35 BBLS 9# brine down tubing 80 BBLS 9# brine down casing. Nipple down hydraulic BOP nipple up B1 adaptor flange. Pickup new pump sinker bars run rods. Hang horse head space out 35 inches. NDP Get pump card rig down move to Carrie #4 Daily cost 13,780 Accumulated cost 57,330		
LEAH 8 D&E	Daily Summary		0.0000	0.00
LEAH 8 D&E	BOPE - Nipple Down	nd bop with crew	2.4300	764.39
LEAH 8 D&E	Break for Crew	lunch	0.8800	277.23
LEAH 8 D&E	Pump/Rods - Run	run in the hole with 94 treepos 3/4 and 52 7/8 treepos	3.6800	1158.61
LEAH 8 D&E	Break for Crew	water	0.3000	95.82
LEAH 8 D&E	Safety - Personnel	angel rodriguez dh gh,fransico rosas op gh,lazaro garcia fh wh,carlos flores fh wh.	0.0000	0.00
LEAH 8 D&E	Pump - Space Out	space pump at 27"	1.1600	365.61
LEAH 8 D&E	Pumping Unit - Hang on Head	dh angel rodriguez hagge horses head	0.7600	240.04
LEAH	Pump -	pum hold at 500 psi	0.6700	210.20

	8 D&E	Pressure Test			
	LEAH 8 D&E	Shut-in Overnight	left pumping unit on auto and left flow line open	0.1600	50.58
	LEAH 8 D&E	Rig Crew Travel Time	drove crew from location in andrews to west odessa (fransico rosas op gh,angel rodriguez dh gh,lazaro garcia fh wh,carlos flores fh wh.)	1.1800	373.22
Daily Totals				14.7000	13232.87
6/27/2012	LEAH 8 D&E	Daily Summary	6/21/12 Leah #8 WESTEX 532 Jim Birkenfeld Held tailgate safety meeting JSA on driving. Road pulling unit from MABEE 239D - 117 to Leah #8. Arrive on location 1 ½ hose on cardinal lubricator burst rig up reverse unit pump 10# brine down casing kill well. Survey tool and 2,600 feet line wrapped around tubing. Clean up location cover rat hole. Spot and rig up pulling unit. Remove horse head lay down polish rod unseat pump. Start pulling rods. Secure well shut down. NDP pull rods pull tubing. Daily cost 11,880 Accumulated cost 21,780	0.0000	0.00
	1146069	Job Cost Detail Report		0.0000	12605.51
			Capital - BOP		650.00
			Capital - Reverse Rig/Mud Pump		1850.00
			Capital - Hourly Vacuum		1200.00
			Capital - Tank Rental		100.00
			Capital - Tank Rental		100.00
			Capital - Wireline		8705.51
	LEAH 8 D&E	Rig Crew Travel Time	Drive crew to location	1.0000	315.03
	LEAH 8 D&E	Safety Meeting	JSA on rig down hand placement	0.5000	157.52
	LEAH 8 D&E	Tubing - Pressure	Load & test 600 psi ok good pump action lowis would not	1.0000	315.03

LEAH 8 D&E	Test Pulling Unit - Rig Down Pulling Unit	run pump card Rig down pulling unit	1.0000	315.03
LEAH 8 D&E	- Repair/Service	Repair scope ram	1.0000	315.03
LEAH 8 D&E	Rig Travel Time	Road rig to Carrie #4	0.0000	0.00
Daily Totals			4.5000	14023.15
Job Totals			187.20	1225214.00
Totals			187.20	1225214.28

AFE Summary		Hours	Costs	Budget	Balance
1146069	LEAH 8 D&E	187.2000	1225214.28	0.00	-1225214.28