

DAILY OPERATIONS PARTNER REPORT

Date: 08/27/2012
Report No: 1

[illegible]

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
 USA

Date: 08/27/2012
Report No: 1

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	6:00	6.00	01MIRU	WAIT	SDN	P	BREAK TOWER FOR RIG MOVE WAIT ON DAYLIGHT
Total Time		6.00					

Safety Incident? N **Days since Last RI:** 127.00 **Weather Comments:**

Environ Incident? N **Days since Last LTA:** 771.00

Incident Comments:

No incidents reported in the last 24 hours

Other Remarks:

FROM THE INTERSECTION OF HIGHWAY 385 AND HIGHWAY 176 IN ANDREWS, TEXAS, DRIVE 2.1 MILES EAST ON HIGHWAY 176 TO INTERSECTION OF HIGHWAY 176 AND HIGHWAY 115. TURN LEFT (NORTHEAST) ON HIGHWAY 115. FROM INTERSECTION OF HIGHWAY 115 AND HIGHWAY 176, DRIVE 6.75 MILES NORTHEAST ON HIGHWAY 115 TO THE INTERSECTION OF FM 1788. TURN RIGHT (SOUTH) ON FM 1788 AND DRIVE 1.25 MILES, TURN RIGHT (WEST) ONTO LEASE ROAD. JUST INSIDE THE CATTLE GUARD, TURN LEFT (SOUTH) ON LEASE ROAD. DRIVE 0.25 MILES AND TURN RIGHT (WEST) ON LEASE ROAD. DRIVE 0.1 MILES TO UNIVERSITY CAITLIN #4.
 LIFE FLIGHT COORDINATES: LAT 32°21' 47.60"N LONG: 102°24' 49.06"W NAD 27
 OXY DSM TRAILER: 432-253-7317
 DAY DSM CELL #: 979-325-9139
 NIGHT DSM CELL #: 903-721-0044

STOP CARDS: 15
 SWA'S: 1
 NEAR MISSES: 0

JSA'S: 11
 SAFETY MEETINGS: 9
 LO/TO'S: 0
 PERMITS TO WORK: 0
 POWER LINE CHECKLISTS: 8/10/12
 PRE SPUD/RIG INSPECTIONS: 1

STOP CARD: OBSERVED EMPLOYEE IN A PINCH POINT WHILE HOISTING ELAVATORS OFF THE RIG FLOOR. STOPPED JOB EXPLAINED DANGERS REQUESTED THE USE OF A TAG LINE. EMPLOYEE COMPLIED AND WORK CONTINUED.

DAILY OPERATIONS PARTNER REPORT

Date: 08/28/2012
Report No: 1

Current Formation: @	Lithology:
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Current Ops:

24-Hr Summary: WAIT ON DAYLIGHT, RIG DOWN AND PREPARE FOR MOVE TO UNIVERSITY CAITLIN #4, WAIT ON DAYLIGHT

24-Hr Forecast:	(RR 9/18/2012)(ROL 9/20/2012) WAIT ON DAYLIGHT, MOVE FROM UNIV. LEAH 9 TO UNIV LEAH 4, WAIT ON DAYLIGHT
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PERSONNEL		SURVEY DATA (LAST 6)								
Supervisor 1:	DEAN MURPHEY	MD	Incl	Azi	TVD	N-S	E-W	VS	DLS	Build
Supervisor 2:	JEFF ROZELLE									
Engineer:	DANIEL COOK									
Geologist:										
Oxy Personnel:	2									
Contractor Personnel:	27									
Total on Site:	29									

[illegible]

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
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MUD DATA - M-I SWACO			LAST OR CURRENT BHA																																																																												
Engineer: John Kruczek		MBT:	0.0 lbm/bbl		<table><tr><th>Component</th><th>OD</th><th>ID</th><th>Jts</th><th>Length</th></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>					Component	OD	ID	Jts	Length																																																																	
Component	OD	ID	Jts	Length																																																																											
Sample From: In		pH:	8.0																																																																												
Mud Type: Spud Mud		Pm / Pom:	0.00																																																																												
Time / MD: 18:00 / .0		Pf / Mf:	0.1 / 0.2																																																																												
Density @ Temp: 8.40 / 80		Chlorides:	200																																																																												
Rheology Temp: 120		Ca+ / K+:	200 / 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: 0.0 / 0.0		Bicarbonate:	0 ppm																																																																												
Sand: 0.00		Form Loss:	0.0 / 0.0																																																																												
Water Added: 0.0 bbl		Fluid Disch:	/																																																																												
LGS: 0.50 / 4.60																																																																															
VG Meter: 1@3 / 1@6 / 1@100 / 2@200 / 2@300 / 3@600																																																																															
Comments: NO FLUID TREATMENT AT THIS TIME.																																																																															

[illegible]

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
 USA

Date: 08/28/2012
 Report No: 1

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	6:00	6.00	01MIRU	WAIT	SDN	P	BREAK TOWER FOR RIG MOVE WAIT ON DAYLIGHT
6:00	10:00	4.00	01MIRU	LOCMOV	RD	P	FLUSH THROUGH MUD PUMPS AND TOP DRIVE. INSTALL TRANSPORT PIPE ON TOP DRIVE , DOCK TOP DRIVE AND BOOM POLES. UN SPOOL DRAWWORKS, AND REMOVE DESANDER AND DEGASSER FROM ACTIVE PIT. BEGAN RIGGING DOWN BACKYARD. RIG DOWN PRE MIX PIT MAKE READY FOR RIG MOVE AND EMPTY AND UNHOOK HOSES FROM FRAC TANKS.
10:00	14:00	4.00	01MIRU	LOCMOV	RD	P	SHUT DOWN HMI, UNPLUG DEFUB/SERVICE ARM AND LOWER, RIG DOWN PITS, MUD PUMPS, SHAKER SKID, TONGS, PITS, STAIRS, FLOWLINE, STAB BOARD AND LINES IN DERRICK, CLEAN RIG FLOOR,
14:00	18:00	4.00	01MIRU	LOCMOV	RD	P	LOWER DRILLERS CABIN RIG DERRICK DOWN AND LOWER SAME 90% RIGGED DOWN / 5% MOVED TRUCKS SCHEDULED TO ARRIVE AT 06:00 AM 8/29/12
18:00	0:00	6.00	01MIRU	WAIT	SDN	P	WAIT ON DAYLIGHT
Total Time		24.00					

Safety Incident? N Days since Last RI: 127.00 Weather Comments:

Environ Incident? N Days since Last LTA: 771.00

Incident Comments:

No incidents reported in the last 24 hours

Other Remarks:

FROM THE INTERSECTION OF HIGHWAY 385 AND HIGHWAY 176 IN ANDREWS, TEXAS, DRIVE 2.1 MILES EAST ON HIGHWAY 176 TO INTERSECTION OF HIGHWAY 176 AND HIGHWAY 115. TURN LEFT (NORTHEAST) ON HIGHWAY 115. FROM INTERSECTION OF HIGHWAY 115 AND HIGHWAY 176, DRIVE 6.75 MILES NORTHEAST ON HIGHWAY 115 TO THE INTERSECTION OF FM 1788. TURN RIGHT (SOUTH) ON FM 1788 AND DRIVE 1.25 MILES, TURN RIGHT (WEST) ONTO LEASE ROAD. JUST INSIDE THE CATTLE GUARD, TURN LEFT (SOUTH) ON LEASE ROAD. DRIVE 0.25 MILES AND TURN RIGHT (WEST) ON LEASE ROAD. DRIVE 0.1 MILES TO UNIVERSITY CAITLIN #4.
 LIFE FLIGHT COORDINATES: LAT 32°21' 47.60"N LONG: 102°24' 49.06"W NAD 27
 OXY DSM TRAILER: 432-253-7317
 DAY DSM CELL #: 979-325-9139
 NIGHT DSM CELL #: 903-721-0044

STOP CARDS: 15
 SWA'S: 1
 NEAR MISSES: 0

JSA'S: 15
 SAFETY MEETINGS: 7
 LO/TO'S: 0
 PERMITS TO WORK: 0
 POWER LINE CHECKLISTS: 8/10/12
 PRE SPUD/RIG INSPECTIONS: 1

STOP CARD: OBSERVED EMPLOYEE BACKING IN A TRUCK WITHOUT A SPOTTER. STOPPED JOB AND EXPLAINED THE DANGERS. EMPLOYEE AGREED

DAILY OPERATIONS PARTNER REPORT

Date: 08/29/2012
Report No: 2

[illegible]

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
 USA

Date: 08/29/2012
 Report No: 2

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	6:00	6.00	01MIRU	WAIT	SDN	P	WAIT ON DAYLIGHT
6:00	10:00	4.00	01MIRU	LOCMOV	MOVE	P	HOLD PJSM WITH BUTCHES, H&P, & OXY EMPLOYEES MOVE SOLIDS CONTROLS, DRILL PIPE, FLOWLINE, SHAKER SCREEN BOXES, HCR LINE, MUD MIX PLANT, STAIRS, & ACTIVE MUD TANK TOTAL OF 5 LOADS
10:00	14:00	4.00	01MIRU	LOCMOV	MOVE	P	MOVE, CROWN SECTION OF DERRICK, SHAKER TANK, SCR HOUSE, GEN #1, GEN #2, MISC EQUIP, SHAKER TROUGH, #1 MP, DIESEL TANK, MISC EQUIP, #2 MP, PUMP PARTS HOUSE, A-LEG SECTION OF THE DERRICK, JUNK BOX, PARTS HOUSE, PVC RACK, KOOMY SKID, BULK GEL SILOS, DRILL PIPE, DRILLER SIDE SUB, OFF DRILLER SIDE SUB, VFD HOUSE, WATER TANK, CENTER STEEL, RECIEVE CRANE TOTAL OF 26 LOADS
14:00	18:00	4.00	01MIRU	LOCMOV	MOVE	P	MOVE, TP HOUSE, CHANGE HOUSE, CREW HOUSE, TRIP TANK SID, DRILL LINE SPOOL, BOPE BOOMER, DRILL PIPE, FORKLIFT, DRILL PIPE, BOPE SKID, PIPE WRANGLER. TOTAL OF 9 LOADS 100% MOVED OFF UNIVERSITY LEAH #9 40% RIGGED UP ON UNIVERSITY CAITLIN #4
18:00	20:30	2.50	01MIRU	LOCMOV	RU	P	RAISE SUBSTRUCTURE, RAISE ROOF ON SHAKER TANK, PIN DERRICK TOGETHER, INSTALL FLOWLINE, RAISE DRILL CABIN.
20:30	0:00	3.50	01MIRU	WAIT	SDN	P	WAIT ON DAYLIGHT
Total Time		24.00					

Safety Incident?	N	Days since Last RI:	128.00	Weather Comments:
Environ Incident?	N	Days since Last LTA:	772.00	
Incident Comments: No incidents reported last 24 hours.				

Other Remarks: FROM THE INTERSECTION OF HIGHWAY 385 AND HIGHWAY 176 IN ANDREWS, TEXAS, DRIVE 2.1 MILES EAST ON HIGHWAY 176 TO INTERSECTION OF HIGHWAY 176 AND HIGHWAY 115. TURN LEFT (NORTHEAST) ON HIGHWAY 115. FROM INTERSECTION OF HIGHWAY 115 AND HIGHWAY 176, DRIVE 6.75 MILES NORTHEAST ON HIGHWAY 115 TO THE INTERSECTION OF FM 1788. TURN RIGHT (SOUTH) ON FM 1788 AND DRIVE 1.25 MILES, TURN RIGHT (WEST) ONTO LEASE ROAD. JUST INSIDE THE CATTLE GUARD, TURN LEFT (SOUTH) ON LEASE ROAD. DRIVE 0.25 MILES AND TURN RIGHT (WEST) ON LEASE ROAD. DRIVE 0.1 MILES TO UNIVERSITY CAITLIN #4.
 LIFE FLIGHT COORDINATES: LAT 32°21' 47.60"N LONG: 102°24' 49.06"W NAD 27
 OXY DSM TRAILER: 432-253-7317
 DAY DSM CELL #: 979-325-9139
 NIGHT DSM CELL #: 903-721-0044

STOP CARDS: 16
 SWA'S: 1
 NEAR MISSES: 0

JSA'S: 10
 SAFETY MEETINGS: 6
 LO/TO'S: 0
 PERMITS TO WORK: 0
 POWER LINE CHECKLISTS: 8/10/12
 PRE SPUD/RIG INSPECTIONS: 1

STOP CARD: OBSERVED 9 BRIDAL LINES WITH BUTCHES TRUCKING THAT HAD MORE THAT 6 STRANDS BROKE. IMMEDIATELY TAKEN OUT OF SERVICE AND REPLACED WITH NEW. EXPLAINED THE POLICYS.

DAILY OPERATIONS PARTNER REPORT

Date: 08/30/2012
Report No: 3

24-Hr Forecast: (RR 9/18/2012)(ROL 9/20/2012)CONT TO RIG UP, RIG INSPECTION, N/U CONDUCTOR, PU BHA, DRILL SURFACE, TOOH, RUN CSG.

Contractor Personnel:	36								
Total:	60								

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
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<p>  MUD PRODUCTS </p>
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DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
 USA

Date: 08/30/2012
 Report No: 3

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	6:00	6.00	01MIRU	WAIT	SDN	P	WAIT ON DAYLIGHT
6:00	10:00	4.00	01MIRU	LOCMOV	RU	P	PJSM : WITH ALL PERSONNEL ON LOCATION,RIGGING UP DERRICK, MUD PITS. NOTIFIED TRRC OF THE INTENT TO SPUD. SPOKE WITH KARINA, 8/30/2012, 09:00 HRS. SAFETY BREAK TOPIC: WORKING AROUND SUSPENDEED LOADS.
10:00	14:00	4.00	01MIRU	LOCMOV	RU	P	PJSM : RAISE DERRICK @ 11:15AM, RIGGING UP RIG FLOOR AREA, BACK YARD,MUD PITS,BUTCH'S CRANE,TRUCKING RELEASED @12:00 NOON SAFETY BREAK TOPIC : PROPER TOOL FOR JOB AT HAND.
14:00	18:00	4.00	01MIRU	LOCMOV	RU	P	CONTINUE RIGGING UP RIG FLOOR, BACK YARD AREA,MUD PUMPS,MUD PITS.
18:00	22:00	4.00	01MIRU	LOCMOV	RU	P	RIG UP FLOOR HOIST, PRE MIX TANK, LIGHT TOWERS, RIG UP AIR BLOWER FOR BULK GEL TANKS, SAFETY BREAK 22:00: DISCUSSED WORK AREA AWARENESS. LOOK OUT FOR SNAKES & SPIDERS.
22:00	0:00	2.00	01MIRU	LOCMOV	RU	P	RIG UP 1 TRANSFER PUMP, FILL PRE MIX TANK & RIG TANKS. INSTALL GROUND RODS AND SAFETY ORANGE CAPS. DRESS OUT SHAKERS WITH SCREENS BEGIN SPOOLING DWKS UP
Total Time		24.00					

Safety Incident?	N	Days since Last RI:	129.00	Weather Comments:
Environ Incident?	N	Days since Last LTA:	773.00	
Incident Comments: No incidents reported last 24 hours.				

Other Remarks:

FROM THE INTERSECTION OF HIGHWAY 385 AND HIGHWAY 176 IN ANDREWS, TEXAS, DRIVE 2.1 MILES EAST ON HIGHWAY 176 TO INTERSECTION OF HIGHWAY 176 AND HIGHWAY 115. TURN LEFT (NORTHEAST) ON HIGHWAY 115. FROM INTERSECTION OF HIGHWAY 115 AND HIGHWAY 176, DRIVE 6.75 MILES NORTHEAST ON HIGHWAY 115 TO THE INTERSECTION OF FM 1788. TURN RIGHT (SOUTH) ON FM 1788 AND DRIVE 1.25 MILES, TURN RIGHT (WEST) ONTO LEASE ROAD. JUST INSIDE THE CATTLE GUARD, TURN LEFT (SOUTH) ON LEASE ROAD. DRIVE 0.25 MILES AND TURN RIGHT (WEST) ON LEASE ROAD. DRIVE 0.1 MILES TO UNIVERSITY CAITLIN #4.
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NOTIFIED TRRC OF THE INTENT TO SPUD. SPOKE WITH KARINA, 8/30/2012, 09:00 HRS.

STOP CARDS: 12
 SWA'S: 1
 NEAR MISSES: 0

JSA'S: 16
 SAFETY MEETINGS: 6
 LO/TO'S: 2
 PERMITS TO WORK: 2
 POWER LINE CHECKLISTS: 8/27/12
 PRE SPUD/RIG INSPECTIONS: 1

STOP CARD: OBSERVED 3RD PARTY SWAMPER IN BETWEEN LOADS, STOPPED JOB AND ASKED HIM TO MAINTAIN BUFFER ZONE, HE COMPLIED.

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
 USA

Date: 08/31/2012
 Report No: 4

Wellbore / Top MD: 00 @ 0 ft Rig: H&P 393 Ref Datum: Original KB @3,101.20ft DFS: 0.60
 Today's MD: 932 ft Progress: 845 ft Ground Elev: 3,076.20 ft Daily Cost: \$198,282
 Prev MD: 87 ft Rot Hrs Today: 6.50 hr AFE MD/Days: 12,100.0 / 17.7 days Cum Cost: \$508,020
 PBMD: Avg ROP Today: 130.0 ft/hr AFE Number: 1141016#0102 AFE Cost: \$1,620,905

Current Formation: RED BED@900.0

Lithology:

Current Ops:

24-Hr Summary: FINISH RIGGING UP, NU CONDUCTOR, PU BHA, DRILL TO 795', RIG REPAIR, DRILL TO 932' RIG REPAIR

24-Hr Forecast: (RR 9/18/2012)(ROL 9/20/2012) CHANGE OUT GUIDE PAD ON TOP DRIVE, DRILL TO 1860', TOO H, RUN CASING & CEMENT

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS	Avg	Max
Last Casing:	20.000in @ 87ft	Str Wt Up/Dn:	95.0/ 85.0 kip	Pump Rate:	598.6	Conn:		
Next Casing:	9.625in @ 1,850ft	Str Wt Rot:	90.0 kip	Pump Press:	1050	Trip:		
Last BOP Press Test:	08/16/2012	Torq Off Btm:	1,000.0 ft-lbf			Backgr:	0	0
Form Test/EMW:		Torq On Btm:	6,000.0 ft-lbf					

PERSONNEL		SURVEY DATA (LAST 6)							
Supervisor 1:	DEAN MURPHEY	MD	Incl	Azi	TVD	N-S	E-W	VS	DLS
Supervisor 2:	JEFF ROZELLE								
Engineer:	DANIEL COOK								
Geologist:									
Oxy Personnel:	2								
Contractor Personnel:	24								
Total on Site:	26								

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	14547	1404	7x11	87	1860	0-0-CT-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	6.50	6.50	845	845	130.0	130.0	5.0/25.0	50/110	0.650	657	295.6	1.9

MUD DATA - M-I SWACO

Engineer: John Kruczek MBT: 0.0 lbm/bbl
 Sample From: In pH: 8.0
 Mud Type: Spud Mud Pm / Pom: 0.00
 Time / MD: 23:42 / 905.0 Pf / Mf: 0.1 / 0.6
 Density @ Temp: 8.70 / 85 Chlorides: 900
 Rheology Temp: 120 Ca+ / K+: 240 / 0
 Viscosity: 28.00 CaCl2: 0.00
 PV / YP: 1 / 2 Clom: 0.42
 Gels 10s/10m/30m: 1 / 1 / 1 Lime: 0.00
 API WL: 30.00 ES: 100.20
 HTHP WL: 0.00 ECD: 8.81
 Cake API / HTHP: 1.0 / .0 n / K: 0.00 / 0.000
 Solids / Sol Corr: 0.00 / 0.00 Carbonate: 2 ppm
 Oil / Water: 0.0 / 0.0 Bicarbonate: 0 ppm
 Sand: 1.25 Form Loss: 0.0 / 0.0
 Water Added: 635.0 bbl Fluid Disch: /
 Oil Added:
 LGS: 2.70 / 24.70

VG Meter: 1@3 / 1@6 / 1@100 / 2@200 / 3@300 / 4@600

Comments: PLAN TO BEGIN STARCH ADDITIONS TO ACTIVE SYSTEM. CONTINUE PUMPING HIGH-VIS SWEEPS AS NEEDED. ONCE AT TD PLAN TO PUMP HIGH-VIS SWEEP AND CIRCULATE BEFORE TOO H.

LAST OR CURRENT BHA

BHA No: 1		Bit No: 1		MD In: 87 ft	
Purpose: SURFACE CASING POINT			MD Out: 1860 ft		
Component		OD	ID	Jts	Length
PDC BIT		12.250	3.000	1	1.20
SHOCK SUB		8.000	2.880	1	13.05
3-POINT REAMER		8.250	2.250	1	7.13
DRILL COLLAR		8.000	2.880	1	31.11
3-POINT REAMER		8.000	2.880	1	10.60
DRILL COLLAR		8.000	2.880	1	30.96
CROSSOVER		6.500	2.880	1	3.16
DRILL COLLAR		6.500	2.880	6	183.49
CROSSOVER		6.440	2.250	1	3.05
HWDP		5.000	3.000	12	366.31

Total Length: 650.06 ft

Wt below Jars:

MUD PRODUCTS

Product	Units	Qty Used
Air Comp Rent	Each	1.00
Engineering Service	Each	1.00
M-I Gel Bulk	Ton	5.19
Poly-Plus	Can, 5 gal	1.00
Premix Pit Rental	each	1.00
Sapp	Bag, 50 lb	10.00
Soap Stick	Each	60.00
Soda Ash	Bag, 50 lb	2.00

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 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
 USA

Date: 08/31/2012
 Report No: 4

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	4:00	4.00	01MIRU	LOCMOV	RU	P	<p>FINISHED SPOOLING UP DWKS, RIG UP PIPE WRANGLER, POWER UP AND UN DOCK TOP DRIVE, FIX BLOWN BREAKERS IN THE TOP DRIVE ELECTRICAL SYSTEM. PRE SPUD INSPECTION</p> <p>FUNCTION TEST SOLIDS CONTROLS, MI SWACO BLOWER, SHAKERS, AGITATORS, MIX PUMPS, & DEGASSER.</p>
4:00	6:00	2.00	01MIRU	LOCMOV	RU	P	<p>FILL RIG WATER TANK, TROUBLE SHOOT WATER PUMP, FILL MUD LINES AND TEST TO 1000 PSI (GOOD)</p> <p>INSTALL PVC ON SOLIDS CONTROLS AND START TO INSTALL ON THE SHAKER SLIDE.</p>
6:00	12:00	6.00	01MIRU	LOCMOV	RU	P	INSTALL 20" RISER, FLOWLINE, OFFLOAD 9 5/8" CASING, STRAP BHA.
12:00	15:00	3.00	01MIRU	TRIP	PULD	P	<p>PJSM : ACCEPT RIG@ 12:00 Noon FINISH PICKING UP 12 1/4" BHA</p> <p>1 - 12 1/4" ULTERRA U519M PDC BIT WITH 7 X 11'S 1 - 8" SHOCK SUB (BORED FOR FLOAT) 1 - ROLLER REAMER (1/8" UG) 1 - 8" DRILL COLLAR 1 - ROLLER REAMER (1/8" UG) 1 - 8" DRILL COLLARS 1 - CROSSOVER 6 - 6 1/2" DRILL COLLARS 1 - CROSSOVER 12 - 5" HWDP SAFETY BREAK TOPIC : HAND,BODY PLACEMENT.</p>
15:30	16:00	0.50	01MIRU	RIGMT	SRVRIG	P	SERVICE RIG & TOPDRIVE.
16:00	18:00	2.00	14SUDR	DRILL	ROTVR	P	<p>DRILL 12.25" SURFACE HOLE FROM 87' TO 374' (287' FT)@ 143FPH. USING 450 GPM, 1,022 PSI, 50 RPM, 3 - 5 K WOB, 1K TORQUE OFF BOTTOM AND 4 - 6K TORQUE ON BOTTOM</p> <p>MUD WT IN 8.4 PPG / VIS 27 MUD WT OUT 8.6 PPG / VIS 27</p> <p>CIRCULATING 8.4 PPG FROM INNER RESERVE PIT PUMPING HIGH VIS SWEEPS (60 PLUS VIS FRESH GEL) EVERY 100' OR AS NEEDED PUMP 2 SOAP STICK EVERY AND ADD 1 QUART OF POLY PLUS DOWN DRILLPIPE EVERY CONNECTION.</p>
18:00	21:00	3.00	14SUDR	DRILL	ROTVR	P	<p>DRILL 12.25" SURFACE HOLE FROM 374' TO 795' (421' FT)@ 140FPH. USING 625 GPM, 1,200 PSI, 110 RPM, 10 -205 K WOB, 1K TORQUE OFF BOTTOM AND 4 - 6K TORQUE ON BOTTOM</p> <p>MUD WT IN 8.4 PPG / VIS 27 MUD WT OUT 8.6 PPG / VIS 27</p> <p>CIRCULATING 8.4 PPG FROM INNER RESERVE PIT TO ~900'. PUMPING HIGH VIS SWEEPS (60 PLUS VIS FRESH GEL) EVERY 100' OR AS NEEDED. PUMP 2 SOAP STICK EVERY AND ADD 1 QUART OF POLY PLUS DOWN DRILLPIPE EVERY CONNECTION.</p>
21:00	22:30	1.50	14SUDR	RIGMT	REP	PT	<p>WHILE DRILLING A STAND DOWN AT 795' THE DRAW WORKS SLACKED OFF AND THE WEIGHT ON BIT STACKED OUT TO 64 K. THE 93' STAND WAS DRILLED ~45' DOWN AT THE TIME OF INCIDENT. THE TOP 2 JOINTS OF THE STAND WERE BENT. NO ONE WAS INJURED. SHUT DOWN, INSPECTED EQUIPMENT FOR FURTHER DAMAGE AND NONE WAS DETECTED. REPLACED THE BENT JOINTS.</p> <p>NOTIFIED H&P IN TULSA TO RUN A DIAGNOSIS ON THE PROBLEM TO ENSURE THERE WAS NO ELECTRICAL OR MECHANICAL ISSUES WITH THE OMRON SYSTEM. NO PROBLEM WAS DETECTED.</p> <p>SAFETY STAND DOWN WITH RIG CREW AND OXY PERSONELL OVER THE INCIDENT.</p>

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
 USA

Date: 08/31/2012
 Report No: 4

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
22:30	0:00	1.50	14SUDR	DRILL	ROTVR	P	DRILL 12.25" SURFACE HOLE FROM 795' TO 932' (137' FT)@ 91 FPH. USING 625 GPM, 1,200 PSI, 110 RPM, 10 -20 K WOB, 1K TORQUE OFF BOTTOM AND 4 - 6K TORQUE ON BOTTOM MUD WT IN 8.4 PPG / VIS 27 MUD WT OUT 8.6 PPG / VIS 27 CIRCULATING 8.4 PPG FROM INNER RESERVE PIT TO ~900'. PUMPING HIGH VIS SWEEPS (60 PLUS VIS FRESH GEL) EVERY 100' OR AS NEEDED. PUMP 2 SOAP STICK EVERY AND ADD 1 QUART OF POLY PLUS DOWN DRILLPIPE EVERY CONNECTION.

Total Time 23.50

Safety Incident? N Days since Last RI: 130.00 Weather Comments:

Environ Incident? N Days since Last LTA: 774.00

Incident Comments:

WHILE DRILLING A STAND DOWN THE WEIGHT ON BIT
 STACKED OUT TO 64 K. THE 93' STAND WAS DRILLED
 ~45' DOWN AT THE TIME OF INCIDENT. THE TOP 2
 JOINTS OF THE STAND WERE BENT. NO ONE WAS
 INJURED. SHUT DOWN, INSPECTED EQUIPMENT FOR
 FURTHER DAMAGE AND NONE FOUND

Other Remarks:

FROM THE INTERSECTION OF HIGHWAY 385 AND HIGHWAY 176 IN ANDREWS, TEXAS, DRIVE 2.1 MILES EAST ON
 HIGHWAY 176 TO INTERSECTION OF HIGHWAY 176 AND HIGHWAY 115. TURN LEFT (NORTHEAST) ON HIGHWAY 115.
 FROM INTERSECTION OF HIGHWAY 115 AND HIGHWAY 176, DRIVE 6.75 MILES NORTHEAST ON HIGHWAY 115 TO THE
 INTERSECTION OF FM 1788. TURN RIGHT (SOUTH) ON FM 1788 AND DRIVE 1.25 MILES, TURN RIGHT (WEST) ONTO
 LEASE ROAD. JUST INSIDE THE CATTLE GUARD, TURN LEFT (SOUTH) ON LEASE ROAD. DRIVE 0.25 MILES AND TURN
 RIGHT (WEST) ON LEASE ROAD. DRIVE 0.1 MILES TO UNIVERSITY CAITLIN #4.
 LIFE FLIGHT COORDINATES: LAT 32°21' 47.60"N LONG: 102°24' 49.06"W NAD 27
 OXY DSM TRAILER: 432-253-7317
 DAY DSM CELL #: 979-325-9139
 NIGHT DSM CELL #: 903-721-0044

NOTIFIED TRRC OF THE INTENT TO SPUD. SPOKE WITH KARINA, 8/30/2012, 09:00 HRS.

STOP CARDS: 15
 SWA'S: 2
 NEAR MISSES: 1

JSA'S: 17
 SAFETY MEETINGS: 8
 LO/TO'S: 1
 PERMITS TO WORK: 2
 POWER LINE CHECKLISTS: 8/27/12
 PRE SPUD/RIG INSPECTIONS: 1 8/31/12

STOP CARD: OBSERVED EMPLOYEE LIFTING SACKS WITHOUT THE PROPER LIFTING TECHNIQUES. STOPPED HIM
 AND EXPLAINED THE PROPER WAY TO LIFT, HE COMPLIED.

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
 USA

Date: 09/01/2012
 Report No: 5

Wellbore / Top MD: 00 @ 0 ft Rig: H&P 393 Ref Datum: Original KB @3,101.20ft DFS: 1.60
 Today's MD: 1860 ft Progress: 928 ft Ground Elev: 3,076.20 ft Daily Cost: \$135,499
 Prev MD: 932 ft Rot Hrs Today: 7.50 hr AFE MD/Days: 12,100.0 / 17.7 days Cum Cost: \$643,519
 PBMD: Avg ROP Today: 123.7 ft/hr AFE Number: 1141016#0102 AFE Cost: \$1,620,905

Current Formation: RED BEDS@900.0

Lithology:

Current Ops:

24-Hr Summary: RIG REPAIR, DRILL TO SURFACE TD, CIRC, TOOH, LD 8" BHA, RIG UP AND RUN 9 5/8" CASING T/ 1860', CIRCULATE & CONDITION

24-Hr Forecast: (RR 9/18/2012)(ROL 9/20/2012)CEMENT, NIPPLE DOWN CONDUCTOR, INST WELL HEAD, NU BOPE AND TEST, MU BHA AND TIH

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS	Avg	Max
Last Casing:	9.625in @ 1,860ft	Str Wt Up/Dn:	110.0/ 100.0 kip	Pump Rate:	675.4	Conn:		
Next Casing:	5.000in @ 12,100ft	Str Wt Rot:	105.0 kip	Pump Press:	1555	Trip:		
Last BOP Press Test:	08/16/2012	Torq Off Btm:	2,500.0 ft-lbf			Backgr:		
Form Test/EMW:		Torq On Btm:	8,000.0 ft-lbf					

PERSONNEL		SURVEY DATA (LAST 6)							
Supervisor 1:	DEAN MURPHEY	MD	Incl	Azi	TVD	N-S	E-W	VS	DLS
Supervisor 2:	JEFF ROZELLE	1,860.0	0.50	0.00	1,859.98	8.1	0.0	8.1	0.03
Engineer:	DANIEL COOK	1,860.0	0.50	0.00	1,859.98	8.1	0.0	8.1	0.03
Geologist:		0.0	0.00	0.00	0.00	0.0	0.0	0.0	0.00
Oxy Personnel:	2								
Contractor Personnel:	28								
Total on Site:	31								

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	14547	1404	7x11	87	1860	0-0-CT-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	7.50	14.00	928	1773	123.7	126.6	5.0/25.0	50/110	0.650	846	333.5	2.8

MUD DATA - M-I SWACO

Engineer: John Kruczek MBT: 0.0 lbm/bbl
 Sample From: In pH: 8.5
 Mud Type: Spud Mud Pm / Pom: 0.00
 Time / MD: 20:10 / 1,860.0 Pf / Mf: 0.1 / 0.5
 Density @ Temp: 9.40 / 90 Chlorides: 1,200
 Rheology Temp: 120 Ca+ / K+: 200 / 0
 Viscosity: 38.00 CaCl2: 0.00
 PV / YP: 8 / 12 Clom: 0.49
 Gels 10s/10m/30m: 9 / 12 / 16 Lime: 0.00
 API WL: 12.00 ES: 31.60
 HTHP WL: 0.00 ECD: 9.45
 Cake API / HTHP: 2.0 / .0 n / K: 0.00 / 0.000
 Solids / Sol Corr: 0.00 / 0.00 Carbonate: 2 ppm
 Oil / Water: 0.0 / 0.0 Bicarbonate: 0 ppm
 Sand: 0.75 Form Loss: 0.0 / 0.0
 Water Added: 75.0 bbl Fluid Disch: /
 Oil Added:
 LGS: 7.90 / 72.30

VG Meter: 9@3 / 10@6 / 14@100 / 17@200 / 20@300 / 28@600

Comments: PLAN TO DRILL OUT CEMENT CIRC. OUTER RESERVE.
 MIX LIME TO MAINTAIN PH ABOVE 10.0. TRICKLE MF-55 AT FLOWLINE. PUMP HIGH-VIS SWEEPS EVERY 90-100FT. OR AS NEEDED. BEGIN BUILDING DISPLACEMENT MUD.

LAST OR CURRENT BHA

BHA No: 1	Bit No: 1	MD In: 87 ft		
Purpose: SURFACE CASING POINT	MD Out: 1860 ft			
Component	OD	ID	Jts	Length
PDC BIT	12.250	3.000	1	1.20
SHOCK SUB	8.000	2.880	1	13.05
3-POINT REAMER	8.250	2.250	1	7.13
DRILL COLLAR	8.000	2.880	1	31.11
3-POINT REAMER	8.000	2.880	1	10.60
DRILL COLLAR	8.000	2.880	1	30.96
CROSSOVER	6.500	2.880	1	3.16
DRILL COLLAR	6.500	2.880	6	183.49
CROSSOVER	6.440	2.250	1	3.05
HWDP	5.000	3.000	12	366.31

Total Length: 650.06 ft

Wt below Jars:

MUD PRODUCTS

Product	Units	Qty Used
Air Comp Rent	Each	1.00
Engineering Service	Each	1.00
Mi-Wate (Barite)	100 lb/sack	64.00
My-Lo-Jel	Bag, 50 lb	72.00
Premix Pit Rental	each	1.00
Sapp	Bag, 50 lb	1.00
Soap Stick	Each	60.00

OXY USA INC
DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
USA

Date: 09/01/2012
Report No: 5

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	1:00	1.00	14SUDR	RIGMT	REP	PT	WHILE DRILLING A STAND DOWN AT 932' THE WEIGHT OB BIT STACKED OUT TO 35K. THE 93' STAND WAS ~45' DRILLED DOWN AT THE TIME, WITHIN 10' OF THE PREVIOUS INCIDENT. SHUT RIG DOWN INSPECTED THE DRAW WORKS (GOOD), HORSE HEAD(GOOD), CROWN(GOOD). TOOL PUSHER FOUND 1 GUIDE PAD ON THE TOP DRIVE THAT HAD MINIMAL WEAR. CHANGED OUT GUIDE PAD.
1:00	1:30	0.50	14SUDR	OTHR	OTHER	P	A PVC STAND SETTLED ON RESERVE PIT BANK CAUSING PVC TO NOT DRAIN PROPER, PICKED UP PVC DUMP LINE WITH FORKLIFT AND RAISED STAND.
1:30	6:00	4.50	14SUDR	DRILL	ROTVR	P	DRILL 12.25" SURFACE HOLE FROM 932' TO 1499' (567' FT)@ 126 FPH. USING 675 GPM, 1,400 PSI, 110 RPM, 10 -20 K WOB, 1K TORQUE OFF BOTTOM AND 4 - 6K TORQUE ON BOTTOM MUD WT IN 8.4 PPG / VIS 27 MUD WT OUT 8.6 PPG / VIS 27 NOTE: WHEN WE SWAPPED TO STEEL PITS WE ADDED 75 SX OF STARCH @ 2MIN A SX. CIRCULATING 8.4 PPG ON STEEL PITS. PUMPING HIGH VIS SWEEPS (60 PLUS VIS FRESH GEL) EVERY 100' OR AS NEEDED. PUMP 2 SOAP STICKS EVERY AND ADD 1 QUART OF POLY PLUS DOWN DRILLPIPE EVERY CONNECTION.
6:00	9:00	3.00	14SUDR	DRILL	ROTVR	P	DRILL 12.25" SURFACE HOLE FROM 1499' TO 1860' (361' FT)@ 120 FPH. USING 675 GPM, 1,400 PSI, 110 RPM, 10 -20 K WOB, 1K TORQUE OFF BOTTOM AND 4 - 6K TORQUE ON BOTTOM MUD WT IN 8.4 PPG / VIS 27 MUD WT OUT 8.6 PPG / VIS 27 NOTE: WHEN WE SWAPPED TO STEEL PITS WE ADDED 75 SX OF STARCH @ 2MIN A SX. CIRCULATING 8.4 PPG ON STEEL PITS. PUMPING HIGH VIS SWEEPS (60 PLUS VIS FRESH GEL) EVERY 100' OR AS NEEDED. PUMP 2 SOAP STICKS EVERY AND ADD 1 QUART OF POLY PLUS DOWN DRILLPIPE EVERY CONNECTION.
9:00	10:00	1.00	14SUDR	CIRC	CNDHOL	P	CIRCULATE BOTTOMS UP, FLOW CHECK, STATIC, DROP TOTCO SURVEY. SAFETY BREAK TOPIC: PROPER LIFTING PROCEDURES.
10:00	11:00	1.00	14SUDR	TRIP	DRILL	P	PJSM : PUMP SLUG, CHECK FLOW, STATIC, TOOH, HOLE TAKING PROPER FILL. TIGHT HOLE F/ 1209', PULL 45K OVER PULL.
11:00	13:00	2.00	14SUDR	REAM	RMTGT	P	TIGHT BACK REAM F/ 1209' TO 1020', WORK TIGHT SPOT W/MUD PUMP.SLUG, CHECK FLOW, STATIC.
13:00	15:30	2.50	14SUDR	TRIP	DRILL	P	TOOH FROM 1020' TO SURFACE, LAYDOWN ROLLER REAMERS AND 12 1/4"BIT. SAFETY BREAK TOPIC : TRIP HAZARDS.
15:30	16:30	1.00	14SUDR	OTHR	OTHER	P	CLEAN FLOOR AREA OF TRIP, SLIP HAZARDS.
16:30	18:00	1.50	14SURC	CSG	RIGUP	P	PJSM W/ CASING CREW, RIG UP 9 5/8" CASING EQUIPMENT.
18:00	18:30	0.50	14SURC	CSG	RIGUP	P	FINISH RIGGING UP B&L CASING EQUIPMENT
18:30	19:00	0.50	14SURC	SAFE	PJSM	P	SAFETY MEETING WITH NEW H&P CREW, OXY REP, AND B&L CASING CREW

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
 USA

Date: 09/01/2012
 Report No: 5

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
19:00	22:30	3.50	14SURC	CSG	RUNCSG	P	<p>MAKE UP AND RUN 9 5/8" 36# J-55 LTC CASING AS FOLLOWS:</p> <p>GUIDE SHOE – (THREAD LOCKED) SET @ 1,860'</p> <p>1 JOINT SHOE TRACK 9 5/8" 36# J-55 LTC CASING FROM 1,860' TO 1,818'</p> <p>FLOAT COLLAR - HALLIBURTON MODEL 402E PDC DRILLABLE (THREAD LOCKED) SET @ 1,817'</p> <p>MAKE UP SHOE TRACK AND PUMP THROUGH (OK WITNESSED BY DSM).</p> <p>9 5/8" 36# J-55 LTC CASING TO SURFACE TORQUE TO 4,530, ft-lbs</p> <p>CASING MAKEUP TORQUE:</p> <p>NOTE: BREAK CIRCULATION @ 900'</p> <p>BOW SPRING CENTRALIZERS – AS FOLLOWS:</p> <p>1 BOW SPRING ON COLLAR STOP 10' ABOVE SHOE</p> <p>1 BOW SPRING ON COUPLING ABOVE FLOAT COLLAR</p> <p>1 BOW SPRING EVERY 3 JOINTS TO CELLAR ON COUPLINGS</p> <p>TOTAL 17 BOW SPRING CENTRALIZERS NEEDED</p> <p>RUN 9 5/8" 36# J-55 LTC SURFACE CASING FROM SHOE ' TO 1860'</p>
22:30	23:00	0.50	14SURC	CIRC	CNDHOL	P	<p>RIG UP CIRCULATING IRON ON LAST JOINT OF CASING</p> <p>FILL PIPE AND WASH TO BOTTOM @ 1860' , ~10' OF FILL.</p> <p>65 SPM, 165 PSI,</p>
23:00	23:30	0.50	14SURC	CSG	RIGUP	P	RIG DOWN CASING CREW
23:30	0:00	0.50	14SURC	CIRC	CNDHOL	P	<p>CIRCULATE 2 BTMS UP AT 6 BPM, 65 SPM, 151 PSI, NO LOSSES</p> <p>NOTE: HOLD PJSM WITH HALLIBURTON, OXY, @ H&P EMPLOYEES OVER UP COMING CEMENT JOB</p>
Total Time		24.00					

Safety Incident?	N	Days since Last RI:	131.00	Weather Comments:
Environ Incident?	N	Days since Last LTA:	775.00	
Incident Comments: No incidents reported last 24 hours.				

Other Remarks:

FROM THE INTERSECTION OF HIGHWAY 385 AND HIGHWAY 176 IN ANDREWS, TEXAS, DRIVE 2.1 MILES EAST ON HIGHWAY 176 TO INTERSECTION OF HIGHWAY 176 AND HIGHWAY 115. TURN LEFT (NORTHEAST) ON HIGHWAY 115. FROM INTERSECTION OF HIGHWAY 115 AND HIGHWAY 176, DRIVE 6.75 MILES NORTHEAST ON HIGHWAY 115 TO THE INTERSECTION OF FM 1788. TURN RIGHT (SOUTH) ON FM 1788 AND DRIVE 1.25 MILES, TURN RIGHT (WEST) ONTO LEASE ROAD. JUST INSIDE THE CATTLE GUARD, TURN LEFT (SOUTH) ON LEASE ROAD. DRIVE 0.25 MILES AND TURN RIGHT (WEST) ON LEASE ROAD. DRIVE 0.1 MILES TO UNIVERSITY CAITLIN #4.

LIFE FLIGHT COORDINATES: LAT 32°21' 47.60"N LONG: 102°24' 49.06"W NAD 27

OXY DSM TRAILER: 432-253-7317

DAY DSM CELL #: 979-325-9139

NIGHT DSM CELL #: 903-721-0044

NOTIFIED TRRC OF THE INTENT TO SPUD. SPOKE WITH KARINA, 8/30/2012, 09:00 HRS.

STOP CARDS: 12

SWA'S: 1

NEAR MISSES: 0

JSA'S: 17

SAFETY MEETINGS: 8

LO/TO'S: 1

PERMITS TO WORK: 1

POWER LINE CHECKLISTS: 8/27/12

PRE SPUD/RIG INSPECTIONS: 1- 8/31/12

STOP CARD: OBSERVED EMPLOYEE USING THE WRONG TOOL FOR THE HOB, EXPLAINED POLICY AND PROCEDURE, EMPLOYEE COMPLIED.

OXY USA INC
DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
USA

Date: 09/02/2012
Report No: 6

Wellbore / Top MD:	00 @ 0 ft	Rig:	H&P 393	Ref Datum:	Original KB @3,101.20ft	DFS:	2.60
Today's MD:	1860 ft	Progress:	0 ft	Ground Elev:	3,076.20 ft	Daily Cost:	\$83,804
Prev MD:	1860 ft	Rot Hrs Today:	0.00 hr	AFE MD/Days:	12,100.0 / 17.7 days	Cum Cost:	\$727,323
PBMD:		Avg ROP Today:	0.0 ft/hr	AFE Number:	1141016#0102	AFE Cost:	\$1,620,905

Current Formation: RED BEDS@900.0

Lithology:

Current Ops:

24-Hr Summary: CEMENT, NIPPLE DOWN COND, INST WELL HEAD, NU BOPE, TEST BOPE 250/2100 PSI, TEST CASING 2100 PSI

24-Hr Forecast: (RR 9/18/2012)(ROL 9/20/2012)FINISH NIPPLE UP, INST WEAR BUSHING, MU BHA TIH, DRILL CMT, FE, +10', FIT, DRL AHEAD

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS	Avg	Max
Last Casing:	9.625in @ 1,860ft	Str Wt Up/Dn:	/	Pump Rate:	0.0	Conn:		
Next Casing:	5.000in @ 12,100ft	Str Wt Rot:		Pump Press:	0	Trip:		
Last BOP Press Test:	09/02/2012	Torq Off Btm:				Backgr:		
Form Test/EMW:		Torq On Btm:						

PERSONNEL		SURVEY DATA (LAST 6)							
Supervisor 1:	DEAN MURPHEY	MD	Incl	Azi	TVD	N-S	E-W	VS	DLS
Supervisor 2:	JEFF ROZELLE	1,860.0	0.50	0.00	1,859.98	8.1	0.0	8.1	0.03
Engineer:	DANIEL COOK	1,860.0	0.50	0.00	1,859.98	8.1	0.0	8.1	0.03
Geologist:		0.0	0.00	0.00	0.00	0.0	0.0	0.0	0.00
Oxy Personnel:	2								
Contractor Personnel:	29								
Total on Site:	31								

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	14547	1404	7x11	87	1860	0-0-CT-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
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MUD DATA - M-I SWACO

Engineer: John Kruczek	MBT: 0.0 lbm/bbl
Sample From: In	pH: 8.5
Mud Type: Saturated Salt	Pm / Pom: 0.00
Time / MD: 18:30 / 1,860.0	Pf / Mf: 0.1 / 0.5
Density @ Temp: 9.40 / 90	Chlorides: 1,200
Rheology Temp: 120	Ca+ / K+: 240 / 0
Viscosity: 37.00	CaCl2: 0.00
PV / YP: 7 / 13	Clom: 0.43
Gels 10s/10m/30m: 8 / 14 / 16	Lime: 0.00
API WL: 12.50	ES: 31.60
HTHP WL: 0.00	ECD: 9.46
Cake API / HTHP: 2.0 / .0	n / K: 0.00 / 0.000
Solids / Sol Corr: 0.00 / 0.00	Carbonate: 2 ppm
Oil / Water: 0.0 / 0.0	Bicarbonate: 0 ppm
Sand: 0.50	Form Loss: 0.0 / 0.0
Water Added: 0.0 bbl	Fluid Disch: /
Oil Added:	
LGS: 7.90 / 72.30	

VG Meter: 8@3 / 9@6 / 13@100 / 16@200 / 20@300 / 27@600

Comments: DRILL OUT CIRC. OUTER RESERVE. MIX LIME TO MAINTAIN PH ABOVE 10.0. TRICKLE MF-55 AT FLOWLINE. PUMP HIGH-VIS SWEEPS EVERY 90-100FT. OR AS NEEDED. PLAN TO DISPLACE AT APPROX. 5000FT.

LAST OR CURRENT BHA

BHA No: 1		Bit No: 1		MD In: 87 ft	
Purpose: SURFACE CASING POINT			MD Out: 1860 ft		
Component	OD	ID	Jts	Length	
PDC BIT	12.250	3.000	1	1.20	
SHOCK SUB	8.000	2.880	1	13.05	
3-POINT REAMER	8.250	2.250	1	7.13	
DRILL COLLAR	8.000	2.880	1	31.11	
3-POINT REAMER	8.000	2.880	1	10.60	
DRILL COLLAR	8.000	2.880	1	30.96	
CROSSOVER	6.500	2.880	1	3.16	
DRILL COLLAR	6.500	2.880	6	183.49	
CROSSOVER	6.440	2.250	1	3.05	
HWDP	5.000	3.000	12	366.31	

Total Length: 650.06 ft Wt below Jars:

MUD PRODUCTS

Product	Units	Qty Used
Air Comp Rent	Each	1.00
Caustic Soda	Bag, 50 lb	11.00
Engineering Service	Each	1.00
M-I Gel Bulk	Ton	22.00
Premix Pit Rental	each	1.00
Soda Ash	Bag, 50 lb	16.00

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
 USA

Date: 09/02/2012
 Report No: 6

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
			14SURC	SAFE	INCINV	P	PRE-JOB SAFETY WITH MONAHANS AND H&P RIG CREW ON TESTING BOPS
0:00	0:30	0.50	14SURC	CMT	RIGUP	P	RIG UP HALLIBURTON CEMENT EQUIPMENT
0:30	2:00	1.50	14SURC	CMT	PRIM	P	<p>PERFORM CEMENT JOB ON SURFACE CASING 9 5/8" AS FOLLOWS:</p> <p>TEST CEMENT LINES TO 3,000 PSI LINES HELD.</p> <p>20 BBLS OF FRESH WATER SPACER AT 8 BPM WITH 100 PSI</p> <p>144 BBLS, (460 SACKS) OF LEAD PREMIUM PLUS CMT, 94 LBM CMT-PREMIUM PLUS-CLASS C REG. 4% BENTONITE, BULK, 2% CALCIUM CHLORIDE-HI TEST PELLET, 2LBM KOL-SEAL, BULK, 9.107 GAL FRESH WATER AT 13.5 PPG, 1.76 YIELD FT3/SK, 9.11 MIX FLUID GAL/SK AT 8 BPM WITH 250 PSI.</p> <p>72 BBLS,(300 SACKS) OF TAIL PREMIUM PLUS- CLASS C CEMENT WITH 2 LBM KOL-SEAL, BULK,, 2% CALCIUM CHLORIDE, 14.80 PPG, 1.35 YIELD, 6.25 GAL/SK AT 6 BPM WITH 315 PSI.</p> <p>DROP 9 5/8" HWE PLUG (WITNESSED BY DSM) AT 01:04 HOURS</p> <p>MAINTAIN FULL RETURNS THROUGHOUT CEMENT JOB</p> <p>PUMP 141 BBL FRESH WATER DISPLACEMENT. USED PUMP RATE OF 6.5 BPM.</p> <p>REDUCED RATE TO 2 BPM LAST 10 BBL WITH FINAL LIFT PSI OF 640 BUMP PLUG</p> <p>PRESSURE UP 500 OVER 1,206 PSI HOLD 5 MINS FLOAT HELD BLEED 2 BBL BACK TO TRUCK</p> <p>GOT BACK 55 BBL/ 165 SX CEMENT TO SURFACE.</p>
2:00	2:30	0.50	14SURC	CMT	RIGUP	P	RIG DOWN CEMENT EQUIPMENT
2:30	3:00	0.50	14SURC	CIRC	CNDFLD	P	<p>WASH THROUGH FLOWLINE AND DUMP LINE WITH THE MP AND 2" JET LINES</p> <p>WASH THROUGH CONDUCTOR AND CELLAR.</p>
3:00	4:00	1.00	14SURC	OTHR	OTHER	P	<p>RIG DOWN TURN BUCKLES, AND FLOWLINE DRESSER SLEEVE. PULL MOUSE HOLE</p> <p>CUT WELD ON CONDUCTOR, PICK UP AND MAKE ROUGH CUT ON THE 9 5/8" CASING.LAY OUT SAME</p>
4:00	6:00	2.00	14SURC	WLHD	RWH	P	<p>MAKE FINAL CUT ON CASING AND CONDUCTOR</p> <p>INSTALL AND WELD FMC CONVIENTIONAL WELLHEAD</p> <p>TEST VOID TO 1414 PSI (GOOD)</p> <p>INSTALL DSA AND STACK</p>
6:00	6:30	0.50	14SURC	SAFE	PJSM	P	<p>HELD PRE JOB SAFETY MEETING : MONAHANS NIPPLE UP CREW AND H&P CREW ON NIPPLE UP BOPE.</p> <p>SIMOPS: RIGGED UP H2S EQUIPMENT</p>
6:30	10:00	3.50	14SURC	BOP	RUBOP	P	TORQUE DSA, SPOOL, & BOP STACK; TORQUE WITH MONAHANS
10:00	10:30	0.50	14SURC	SAFE	PJSM	P	SAFETY BREAK WITH MONAHANS AND H&P RIG CREW, DISCUSSED BUFFER ZONES WHILE TESTING BOPS.
10:30	12:00	1.50	14SURC	BOP	RUBOP	P	INSTALL HYDRAULIC LINES TO STACK AND FUNCTION TEST
12:00	15:00	3.00	14SURC	BOP	CHRAMS	PT	NOTE: ANNUAL INSPECTION ON RAMS (INCLUDED OPENING BONNET DOORS, INSPECTING RAMS, REPLACING BONNET DOOR SEALS, CLOSING AND TIGHTENING)
16:00	18:00	2.00	14SURC	BOP	TSTBOP	P	<p>TEST BOPE AS FOLLOWS, HOLDING ALL TEST LOW AND HIGH FOR 5 MIN EACH: WITH 13 5/8" TEST PLUG SET IN THE WELLHEAD WITH THE CASING VALVE OPEN.</p> <p>PJSM : TEST CHOKE MANIFOLD (ALL MANUAL VALVES), HYD CHOKE, AND BLIND RAMS 250LOW/2100 HIGH</p> <p>NOTE: TROUBLE WITH #2 MANUAL VALVE ON CHOKE. WORKED VALVE NO TEST, TOOK VALVE APART, CLEANED AND LUBED, GOT A TEST</p>

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
 USA

Date: 09/02/2012
 Report No: 6

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
18:00	22:00	4.00	14SURC	BOP	TSTBOP	P	REVIEW JSA OVER TESTING BOPE WITH MONAHANS & H&P EMPLOYEES TEST BOTTOM PIPE RAMS 250 LOW/2100 HIGH TEST TOP PIPE RAMS 250 LOW/2100 HIGH TEST ANNULAR 250 LOW/2100 HIGH NOTE: ATTEMPT TEST ON MANUAL IBOP ON THE TOP DRIVE (NO TEST) CONT TO TEST BACK TO MUD PUMPS. TEST SATNDPIPE BACK TO MUD PUMPS 250 LOW/ 3500 HIGH WORK VALVE TO CLEAR DEBRI AND RE TEST MANUAL TIW ON THE TOP DRIVE 250 LOW/2100 HIGH
22:00	22:30	0.50	14SURC	BOP	TSTBOP	P	SAFETY BREAK 22:00 DISCUSSED BUFFER ZONE DURING TESTING PROCEDURE. TEST TIW 250 LOW/2100 HIGH TEST FOSV 250 LOW/2100 HIGH
22:30	23:00	0.50	14SURC	BOP	TSTBOP	P	RIG DOWN TESTING EQUIPMENT FROM FLOOR, PULL TEST PLUG
23:00	0:00	1.00	14SURC	CSG	PIPE	P	TEST CASING TO 2100 PSI 30 MIN (GOOD)
Total Time		23.00					

Safety Incident?	N	Days since Last RI:	132.00	Weather Comments:
Environ Incident?	N	Days since Last LTA:	776.00	
Incident Comments: No incidents reported last 24 hours.				

Other Remarks:

FROM THE INTERSECTION OF HIGHWAY 385 AND HIGHWAY 176 IN ANDREWS, TEXAS, DRIVE 2.1 MILES EAST ON HIGHWAY 176 TO INTERSECTION OF HIGHWAY 176 AND HIGHWAY 115. TURN LEFT (NORTHEAST) ON HIGHWAY 115. FROM INTERSECTION OF HIGHWAY 115 AND HIGHWAY 176, DRIVE 6.75 MILES NORTHEAST ON HIGHWAY 115 TO THE INTERSECTION OF FM 1788. TURN RIGHT (SOUTH) ON FM 1788 AND DRIVE 1.25 MILES, TURN RIGHT (WEST) ONTO LEASE ROAD. JUST INSIDE THE CATTLE GUARD, TURN LEFT (SOUTH) ON LEASE ROAD. DRIVE 0.25 MILES AND TURN RIGHT (WEST) ON LEASE ROAD. DRIVE 0.1 MILES TO UNIVERSITY CAITLIN #4.
 LIFE FLIGHT COORDINATES: LAT 32°21' 47.60"N LONG: 102°24' 49.06"W NAD 27
 OXY DSM TRAILER: 432-253-7317
 DAY DSM CELL #: 979-325-9139
 NIGHT DSM CELL #: 903-721-0044

NOTIFIED TRRC OF THE INTENT TO SPUD. SPOKE WITH KARINA, 8/30/2012, 09:00 HRS.

STOP CARDS: 11
 SWA'S: 1
 NEAR MISSES: 0

JSA'S: 16
 SAFETY MEETINGS: 8
 LO/TO'S: 1
 PERMITS TO WORK: 2
 POWER LINE CHECKLISTS: 8/27/12
 PRE SPUD/RIG INSPECTIONS: 1- 8/31/12

STOP CARD: OBSERVED EMPLOYEE IN THE TESTING BUFFER ZONE, STOPPED JOB AND EXPLAINED THE DANGERS, EMPLOYEE COMPLIED.

DAILY OPERATIONS PARTNER REPORT

Date: 09/03/2012
Report No: 7

Current Ops:	
24-Hr Summary:	MU BHA, TIH, CHOKE DRILL, DRILL FE+10' NEW FORM, FORM AND PERFORM FIT TO 12.5 EMW, DRILL 8 3/4" HOLE T/ 3,430'
24-Hr Forecast:	(RR 9/18/2012)(ROL 9/20/2012) DRILL 8 3/4" PRODUCTION HOLE

PERSONNEL		SURVEY DATA (LAST 6)								
Supervisor 1:	DEAN MURPHEY	MD	Incl	Azi	TVD	N-S	E-W	VS	DLS	Build
Supervisor 2:	JEFF ROZELLE	3,372.0	0.60	0.00	3,371.74	33.7	0.0	33.7	0.14	-0.14
Engineer:	DANIEL COOK	2,806.0	1.40	0.00	2,805.84	23.9	0.0	23.9	0.09	0.09
Geologist:		2,063.0	0.70	0.00	2,062.97	10.2	0.0	10.2	0.10	0.10
Oxy Personnel:	2	1,860.0	0.50	0.00	1,859.98	8.1	0.0	8.1	0.00	0.00
Contractor Personnel:	16	1,860.0	0.50	0.00	1,859.98	8.1	0.0	8.1	0.03	0.03
Total on Site:	18	1,860.0	0.50	0.00	1,859.98	8.1	0.0	8.1	0.03	0.03

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	13.50	13.50	1570	1570	116.3	116.3	5.0/20.0	50/85	1.178	238	163.0	1.4

[illegible]

OXY USA INC
DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
USA

Date: 09/03/2012
Report No: 7

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	1:00	1.00	14SURC	BOP	RUBOP	P	INSTALL SAFETY LINE ON THE HCR HOSE, FILL UP LINE ON RT HEAD, INSTALL RT HEAD OILER AND LINES, ANN PSI GAUGE .
1:00	2:00	1.00	14SURC	WLHD	RWH	P	INSTALL WEAR BUSHING, TRIP NIPPLE AND THE M-HOLE
2:00	2:30	0.50	14SURC	TRIP	BHA	P	STRAP AND CALLIPER BHA, PICK UP TO THE RIG FLOOR
2:30	6:00	3.50	14SURC	TRIP	BHA	P	MU 8 3/4" BHA AS FOLLOWS (1) BIT (#2) 8-3/4" PDC BAKER DP606X (W/6-16"S) (1) 6 1/2" BAKER MUD MOTOR XL/LS (.16 REV/GAL) (1) ROLLER REAMER (1/8" UG) (1) 6 1/2" DC (1) ROLLER REAMER (1/8" UG) (1) NOV FLO-DRIFT (1) 6 1/2" PONY COLLAR (9) 6 1/2" SPIRAL DC'S (6) 5" HWDP (1) JAR (TO BE RUN IN TENSION) (11) 5" HWDP SURVEY @ 500' 1.7* SURVEY @ 1000' 1.2* SAFETY BREAK TOPIC: FORKLIFT SAFETY.
6:00	7:00	1.00	14SURC	TRIP	BHA	P	TIH FROM 500' T/ 1,719' TAGGED CEMENT@ 1,719' FT
7:00	8:30	1.50	14SURC	DRLOUT	DOCMT	P	CIRCULATE BOTTOMS UP, PERFORM CHOKE DRILL.
8:30	9:30	1.00	14SURC	DRLOUT	DOCMT	P	DRILL SHOE TRACK F/ 1,860' TO 1,870', 10'FT NEW FORMATION. NOTE: FIRM CEMENT IN THE SHOE TRACK
9:30	10:00	0.50	14SURC	DRLOUT	FST	P	CIRCULATE FORM FOR FIT TEST. 8.6 PPG IN AND OUT. BOTTOMS UP SAMPLE WAS RED BED AND DRILLED CEMENT FIT TEST TO EQUILVENT OF 12.5 PPG=377 PSI. ORIGIONAL MUD WEIGHT 8.6 PPG, GOOD TEST
10:00	14:00	4.00	31PRDR	DRILL	MTRVER	P	DRILL 8.75" PRODUCTION HOLE FROM 1,870' TO 2220', 350' FT, AVG ROP 87.5 FT/HR. USING 650 GPM 1010 PSI OFF BTM, 1235 PSI ON BOTTOM. 70 RPM SURFACE + 60 MT RPM = 165 BIT RPM'S, WOB 17-20 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 6 K TORQUE ON BOTTOM. CIRCULATING IN OUTER RESERVE PIT. MW IN 8.4 PPG MW OUT 8.6 PPG VIS 29 PH 9.5 PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED. ADD LIME TO MAINTAIN 10 - 11 pH. SAFETY BREAK TOPIC : MEET & GREET ALL VISITORS.
14:00	15:30	1.50	31PRDR	DRILL	MTRVER	P	DRILL 8.75" PRODUCTION HOLE FROM 2,220' TO 2,429', FT AVG 209' ROP 139.3' FT/HR USING 650 GPM 1010 PSI OFF BTM, 1235 PSI ON BOTTOM. 70 RPM SURFACE + 60 MT RPM = 165 BIT RPM', WOB 17-20 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 6 K TORQUE ON BOTTOM. CIRCULATING IN OUTER RESERVE PIT. MW IN 8.4 PPG MW OUT 8.6 PPG VIS 29 PH 9.5 PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED. ADD LIME TO MAINTAIN 10 - 11 pH.
15:30	16:00	0.50	31PRDR	RIGMT	SRVRIG	P	PJSM : SERVICE RIG, TOPDRIVE.

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
 USA

Date: 09/03/2012
 Report No: 7

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
16:00	18:00	2.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 8.75" PRODUCTION HOLE FROM 2,429' TO 2743', FT AVG 314' ROP 157' FT/HR</p> <p>USING 600 GPM 1010 PSI OFF BTM, 1235 PSI ON BOTTOM. 50 RPM SURFACE + 96 MRPM = 146 BRPM'S, WOB 17-20 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 6 K TORQUE ON BOTTOM.</p> <p>CIRCULATING IN OUTER RESERVE PIT.</p> <p>MW IN 8.4 PPG MW OUT 8.6 PPG VIS 29 PH 10</p> <p>PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED. ADD LIME TO MAINTAIN 10 - 11 pH.</p> <p>SAFETY BREAK TOPIC : FORKLIFT SAFETY.</p>
18:00	22:00	4.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 8.75" PRODUCTION HOLE FROM 2,743' TO 3260', 517' FT, AVG ROP 130' FT/HR</p> <p>USING 600 GPM 1010 PSI OFF BTM, 1235 PSI ON BOTTOM. 50 RPM SURFACE + 96 MRPM = 146 BRPM'S, WOB 17-20 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 6 K TORQUE ON BOTTOM.</p> <p>CIRCULATING IN OUTER RESERVE PIT.</p> <p>MW IN 10.0 PPG MW OUT 10.0 PPG VIS 29 PH 10</p> <p>PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED. ADD LIME TO MAINTAIN 10 - 11 pH.</p> <p>NOTE: HELD FIRE DRILL @ 18:30 55 SEC</p>
22:00	0:00	2.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 8.75" PRODUCTION HOLE FROM 3,260' TO 3,430', 170'FT, AVG ROP 85' FT/HR</p> <p>USING 600 GPM 1350 PSI OFF BTM, 1580 PSI ON BOTTOM. 60 RPM SURFACE + 96 MRPM = 156 BRPM'S, WOB 17-20 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 6 K TORQUE ON BOTTOM.</p> <p>CIRCULATING OUTER RESERVE PIT.</p> <p>MW IN 10.0 PPG MW OUT 10.0 PPG VIS 29 PH 10</p> <p>PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED. ADD LIME TO MAINTAIN 10 - 11 pH.</p>
Total Time		24.00					

Safety Incident?	N	Days since Last RI:	133.00	Weather Comments:
Environ Incident?	N	Days since Last LTA:	777.00	
Incident Comments: No incidents reported last 24 hours.				

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
USA

Date: 09/03/2012
Report No: 7

Other Remarks:

FROM THE INTERSECTION OF HIGHWAY 385 AND HIGHWAY 176 IN ANDREWS, TEXAS, DRIVE 2.1 MILES EAST ON HIGHWAY 176 TO INTERSECTION OF HIGHWAY 176 AND HIGHWAY 115. TURN LEFT (NORTHEAST) ON HIGHWAY 115. FROM INTERSECTION OF HIGHWAY 115 AND HIGHWAY 176, DRIVE 6.75 MILES NORTHEAST ON HIGHWAY 115 TO THE INTERSECTION OF FM 1788. TURN RIGHT (SOUTH) ON FM 1788 AND DRIVE 1.25 MILES, TURN RIGHT (WEST) ONTO LEASE ROAD. JUST INSIDE THE CATTLE GUARD, TURN LEFT (SOUTH) ON LEASE ROAD. DRIVE 0.25 MILES AND TURN RIGHT (WEST) ON LEASE ROAD. DRIVE 0.1 MILES TO UNIVERSITY CAITLIN #4.
LIFE FLIGHT COORDINATES: LAT 32°21' 47.60"N LONG: 102°24' 49.06"W NAD 27
OXY DSM TRAILER: 432-253-7317
DAY DSM CELL #: 979-325-9139
NIGHT DSM CELL #: 903-721-0044

NOTIFIED TRRC OF THE INTENT TO SPUD. SPOKE WITH KARINA, 8/30/2012, 09:00 HRS.

STOP CARDS: 12
SWA'S: 0
NEAR MISSES: 0

JSA'S: 13
SAFETY MEETINGS: 8
LO/TO'S: 1
PERMITS TO WORK: 1
POWER LINE CHECKLISTS: 8/27/12
PRE SPUD/RIG INSPECTIONS: 1- 8/31/12

STOP CARD: OBSERVED EMPLOYEE USING A TAILROPE THAT WAS TOO SHORT WHILE TRIPPING IN THE HOLE.
STOPPED JOB AND REPLACED TAIL ROPE TO ENSURE THAT THE EMPLOYEES HANDS WERE NOT IN DANGER.

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
 USA

Date: 09/04/2012
 Report No: 8

Wellbore / Top MD: 00 @ 0 ft Rig: H&P 393 Ref Datum: Original KB @3,101.20ft DFS: 4.60
 Today's MD: 5230 ft Progress: 1800 ft Ground Elev: 3,076.20 ft Daily Cost: \$79,462
 Prev MD: 3430 ft Rot Hrs Today: 24.00 hr AFE MD/Days: 12,100.0 / 17.7 days Cum Cost: \$852,957
 PBMD: Avg ROP Today: 75.0 ft/hr AFE Number: 1141016#0102 AFE Cost: \$1,620,905

Current Formation: SAN ANDRES@5,200.0 Lithology: DOLOMITE / SHALE

Current Ops:

24-Hr Summary: DRILL 8 3/4" PRODUCTION HOLE F/ 3430' T/ 5230' DISPLACE MUD FROM NATIVE BRINE TO GEL AT 5000'

24-Hr Forecast: (RR 9/18/2012)(ROL 9/20/2012) DRILL 8 3/4" PRODUCTION HOLE

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS	Avg	Max
Last Casing:	9.625in @ 1,860ft	Str Wt Up/Dn:	186.0 / 166.0 kip	Pump Rate:	552.6	Conn:		
Next Casing:	5.500in @ 12,100ft	Str Wt Rot:	176.0 kip	Pump Press:	1500	Trip:		
Last BOP Press Test:	09/02/2012	Torq Off Btm:	2,500.0 ft-lbf			Backgr:	0	0
Form Test/EMW:	FIT / 12.50 ppg	Torq On Btm:	7,300.0 ft-lbf					

PERSONNEL		SURVEY DATA (LAST 6)							
Supervisor 1:	DEAN MURPHEY	MD	Incl	Azi	TVD	N-S	E-W	VS	DLS
Supervisor 2:	JEFF ROZELLE	4,976.0	0.70	0.00	4,975.69	46.5	0.0	46.5	0.08
Engineer:	DANIEL COOK	4,505.0	0.30	0.00	4,504.71	42.4	0.0	42.4	0.02
Geologist:		4,033.0	0.40	0.00	4,032.72	39.5	0.0	39.5	0.03
Oxy Personnel:	2	3,372.0	0.60	0.00	3,371.74	33.7	0.0	33.7	0.14
Contractor Personnel:	18	2,806.0	1.40	0.00	2,805.84	23.9	0.0	23.9	0.09
Total on Site:	20	2,063.0	0.70	0.00	2,062.97	10.2	0.0	10.2	0.10

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	BAKER	DP606X	7141823	M225	6x16	1860		--	--

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	24.00	37.50	1800	3370	75.0	89.9	10.0/25.0	60/85	1.178	184	150.5	1.0

MUD DATA - M-I SWACO

Engineer: John Kruczek MBT: 12.5 lbm/bbl
 Sample From: In pH: 10.0
 Mud Type: Freshwater/Gel Pm / Pom: 0.00
 Time / MD: 23:45 / 5,210.0 Pf / Mf: 0.6 / 0.8
 Density @ Temp: 9.00 / 95 Chlorides: 19,000
 Rheology Temp: 120 Ca+ / K+: 1,000 / 0
 Viscosity: 46.00 CaCl2: 0.00
 PV / YP: 7 / 28 Clom: 0.26
 Gels 10s/10m/30m: 19 / 23 / 27 Lime: 0.00
 API WL: 45.00 ES: 6.00
 HTHP WL: 0.00 ECD: 9.73
 Cake API / HTHP: 2.0 / .0 n / K: 0.00 / 0.000
 Solids / Sol Corr: 0.90 / 0.00 Carbonate: 12 ppm
 Oil / Water: 0.0 / 0.0 Bicarbonate: 0 ppm
 Sand: 0.25 Form Loss: 0.0 / 0.0
 Water Added: 580.0 bbl Fluid Disch: /
 Oil Added:
 LGS: 3.70 / 33.70

VG Meter: 19@3 / 21@6 / 29@100 / 33@200 / 35@300 / 42@600

Comments: DUMP AND DILUTE AS NEEDED TO MAINTAIN WEIGHT BELOW 9.4PPG. ADD CUAISTIC TO KEEP PH ABOVE 10.0. MIX 6-8SXS SODA ASH PER TOUR. PUMP HIGH-VIS SWEEPS EVERY 90-100FT. OR AS NEEDED.

MUD PRODUCTS

Product	Units	Qty Used
Air Comp Rent	Each	1.00
Caustic Soda	Bag, 50 lb	9.00
Engineering Service	Each	1.00
MF-55	Can, 5 gal	4.00
M-I Gel Bulk	Ton	9.64
Premix Pit Rental	each	1.00
Soda Ash	Bag, 50 lb	14.00

LAST OR CURRENT BHA

BHA No: 2	Bit No: 2	MD In: 1860 ft		
Purpose: DRILL 8 3/4" PRODUCTION HOLE		MD Out:		
Component	OD	ID	Jts	Length
HWDP	5.000	2.938	11	335.97
DRILLING JAR	6.500	3.000	1	31.77
HWDP	5.000	3.000	6	183.59
CROSSOVER	6.500	2.938	1	3.05
SPIRAL DRILL COLLAR	6.437	2.938	9	274.94
PONY DRILL COLLAR	6.437	2.875	1	7.28
MWD TOOL	6.500	2.937	1	4.96
UNDERGAUGE INTEGRAL BLADE STABILIZ	6.500	3.937	1	7.81
SPIRAL DRILL COLLAR	6.500	2.937	1	30.85
UNDERGAUGE INTEGRAL BLADE STABILIZ	6.500	3.375	1	6.37
POSITIVE DISPLACEMENT MOTOR	6.500	2.500	1	32.02
PDC BIT	8.750	2.500	1	1.00
Total Length:	919.61 ft	Wt below Jars:	32.0 kip	

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
 USA

Date: 09/04/2012
 Report No: 8

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>DRILL 8.75" PRODUCTION HOLE FROM 3,430' TO 3,780', 350'FT, AVG ROP 88' FT/HR</p> <p>USING 600 GPM 1350 PSI OFF BTM, 1580 PSI ON BOTTOM. 60 RPM SURFACE + 96 MRPM = 156 BRPM'S, WOB 17-20 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 6 K TORQUE ON BOTTOM.</p> <p>CIRCULATING OUTER RESERVE PIT.</p> <p>MW IN 10.1 PPG MW OUT 10.1 PPG VIS 29 PH 10</p> <p>PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED. ADD LIME TO MAINTAIN 10 - 11 pH.</p> <p>SAFETY BREAK: DISCUSSED 3 POINT CONTACT ON STAIRWAYS</p>
4:00	6:00	2.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 8.75" PRODUCTION HOLE FROM 3,780' TO 3,960', 180 FT, AVG ROP 90' FT/HR</p> <p>USING 580 GPM 1350 PSI OFF BTM, 1580 PSI ON BOTTOM. 73 RPM SURFACE + 93 MRPM = 165 BRPM'S, WOB 17-20 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 6 K TORQUE ON BOTTOM.</p> <p>CIRCULATING OUTER RESERVE PIT.</p> <p>MW IN 10.1 PPG MW OUT 10.1 PPG VIS 29 PH 10</p> <p>PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED. ADD LIME TO MAINTAIN 10 - 11 pH.</p>
6:00	10:00	4.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 8.75" PRODUCTION HOLE FROM 3,960' TO 4,360', 400 FT, AVG ROP 100' FT/HR</p> <p>USING 580 GPM 1350 PSI OFF BTM, 1580 PSI ON BOTTOM. 73 RPM SURFACE + 93 MRPM = 165 BRPM'S, WOB 17-20 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 6 K TORQUE ON BOTTOM.</p> <p>CIRCULATING OUTER RESERVE PIT.</p> <p>MW IN 10.1 PPG MW OUT 10.1 PPG VIS 29 PH 10</p> <p>PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED. ADD LIME TO MAINTAIN 10 - 11 pH.</p> <p>SAFETY BREAK TOPIC : FIRE DRILL.</p>
10:00	14:00	4.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 8.75" PRODUCTION HOLE FROM 4,360' TO 4,603', 243 FT, AVG ROP 60.7' FT/HR</p> <p>USING 580 GPM 1350 PSI OFF BTM, 1580 PSI ON BOTTOM. 73 RPM SURFACE + 93 MRPM = 165 BRPM'S, WOB 17-20 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 6 K TORQUE ON BOTTOM.</p> <p>CIRCULATING OUTER RESERVE PIT.</p> <p>MW IN 10.1 PPG MW OUT 10.1 PPG VIS 29 PH 10</p> <p>PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED. ADD LIME TO MAINTAIN 10 - 11 pH.</p> <p>SAFETY BREAK TOPIC : DERRICKMAN RESPONSIBILITIES.</p>
14:00	18:00	4.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 8.75" PRODUCTION HOLE FROM 4,603' TO 4,874', 271'FT, AVG ROP 67.75' FT/HR</p> <p>USING 580 GPM 1350 PSI OFF BTM, 1580 PSI ON BOTTOM. 73 RPM SURFACE + 93 MRPM = 165 BRPM'S, WOB 17-20 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 6 K TORQUE ON BOTTOM.</p> <p>CIRCULATING OUTER RESERVE PIT.</p> <p>MW IN 10.1 PPG MW OUT 10.1 PPG VIS 29 PH 10</p> <p>PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED. ADD LIME TO MAINTAIN 10 - 11 pH.</p>

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
 USA

Date: 09/04/2012
 Report No: 8

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
18:00	22:00	4.00	31PRDR	DRILL	MTRVER	P	DRILL 8.75" PRODUCTION HOLE FROM 4,874' TO 5090', 216' @ 54 FT/HR AVG ROP USING 580 GPM 1350 PSI OFF BTM, 1580 PSI ON BOTTOM. 73 RPM SURFACE + 93 MRPM = 165 BRPM'S, WOB 17-20 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 6 K TORQUE ON BOTTOM. CIRCULATING OUTER RESERVE PIT. NOTE: AT 5,000' DISPLACE WELL TO GEL MUD. START CIRCULATING TO MUD PITS. MW IN 9.1 PPG MW OUT 9.1 PPG VIS 35-40 PH 10-11 PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED. SAFETY BREAK TOPIC : PPE WHILE MIXING CHEMICALS
22:00	0:00	2.00	31PRDR	DRILL	MTRVER	P	DRILL 8.75" PRODUCTION HOLE FROM 5,090' TO 5230', 140' @ 70 FT/HR AVG ROP USING 550 GPM 1350 PSI OFF BTM, 1580 PSI ON BOTTOM. 73 RPM SURFACE + 88 MRPM = 161 BRPM'S, WOB 17-20 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 6 K TORQUE ON BOTTOM. CIRCULATING STEEL PITS MW IN 9.1 PPG MW OUT 9.1 PPG VIS 35-40 PH 10-11 PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED.
Total Time		24.00					

Safety Incident?	N	Days since Last RI:	134.00	Weather Comments:
Environ Incident?	N	Days since Last LTA:	778.00	
Incident Comments: No incidents reported last 24 hours.				

Other Remarks:

FROM THE INTERSECTION OF HIGHWAY 385 AND HIGHWAY 176 IN ANDREWS, TEXAS, DRIVE 2.1 MILES EAST ON HIGHWAY 176 TO INTERSECTION OF HIGHWAY 176 AND HIGHWAY 115. TURN LEFT (NORTHEAST) ON HIGHWAY 115. FROM INTERSECTION OF HIGHWAY 115 AND HIGHWAY 176, DRIVE 6.75 MILES NORTHEAST ON HIGHWAY 115 TO THE INTERSECTION OF FM 1788. TURN RIGHT (SOUTH) ON FM 1788 AND DRIVE 1.25 MILES, TURN RIGHT (WEST) ONTO LEASE ROAD. JUST INSIDE THE CATTLE GUARD, TURN LEFT (SOUTH) ON LEASE ROAD. DRIVE 0.25 MILES AND TURN RIGHT (WEST) ON LEASE ROAD. DRIVE 0.1 MILES TO UNIVERSITY CAITLIN #4.
 LIFE FLIGHT COORDINATES: LAT 32°21' 47.60"N LONG: 102°24' 49.06"W NAD 27
 OXY DSM TRAILER: 432-253-7317
 DAY DSM CELL #: 979-325-9139
 NIGHT DSM CELL #: 903-721-0044

NOTIFIED TRRC OF THE INTENT TO SPUD. SPOKE WITH KARINA, 8/30/2012, 09:00 HRS.

STOP CARDS: 14
 SWA'S: 0
 NEAR MISSES: 0

JSA'S: 17
 SAFETY MEETINGS: 8
 LO/TO'S: 1
 PERMITS TO WORK: 1
 POWER LINE CHECKLISTS: 8/27/12
 PRE SPUD/RIG INSPECTIONS: 1- 8/31/12

STOP CARD: OBSERVED EMPLOYEE SWINGING HAMMER WITH ANOTHER EMPLOYEE STANDING TO CLOSE. STOPPED JOB AND REMINDED HIM TO CHECK SURROUNDING PRIOR TO SWINGING HAMMER

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
 USA

Date: 09/05/2012
 Report No: 9

Wellbore / Top MD: 00 @ 0 ft Rig: H&P 393 Ref Datum: Original KB @3,101.20ft DFS: 5.60
 Today's MD: 6870 ft Progress: 1640 ft Ground Elev: 3,076.20 ft Daily Cost: \$50,392
 Prev MD: 5230 ft Rot Hrs Today: 23.50 hr AFE MD/Days: 12,100.0 / 17.7 days Cum Cost: \$903,348
 PBMD: Avg ROP Today: 69.8 ft/hr AFE Number: 1141016#0102 AFE Cost: \$1,620,905

Current Formation: SAN ANDRES@5,200.0 Lithology: DOLOMITE / SHALE

Current Ops:

24-Hr Summary: DRILL 8 3/4" PRODUCTION HOLE F/ 5230' T/ 6,870' DUMP AND DILUTE AS NEEDED TO MAINTAIN MUD WEIGHT

24-Hr Forecast: (RR 9/18/2012)(ROL 9/20/2012) DRILL 8 3/4" PRODUCTION HOLE

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS	Avg	Max
Last Casing:	9.625in @ 1,860ft	Str Wt Up/Dn:	220.0/ 200.0 kip	Pump Rate:	575.6	Conn:		
Next Casing:	5.500in @ 12,100ft	Str Wt Rot:	205.0 kip	Pump Press:	1800	Trip:		
Last BOP Press Test:	09/02/2012	Torq Off Btm:	3,900.0 ft-lbf			Backgr:	0	0
Form Test/EMW:	FIT / 12.50 ppg	Torq On Btm:	7,250.0 ft-lbf					

PERSONNEL		SURVEY DATA (LAST 6)							
Supervisor 1:	TRAVIS OTTO	MD	Incl	Azi	TVD	N-S	E-W	VS	DLS
Supervisor 2:	JEFF ROZELLE	6,673.0	0.70	0.00	6,672.57	66.9	0.0	66.9	0.04
Engineer:	DANIEL COOK	6,201.0	0.90	0.00	6,200.61	60.3	0.0	60.3	0.07
Geologist:		5,636.0	0.50	0.00	5,635.66	53.4	0.0	53.4	0.03
Oxy Personnel:	2	4,976.0	0.70	0.00	4,975.69	46.5	0.0	46.5	0.08
Contractor Personnel:	23	4,505.0	0.30	0.00	4,504.71	42.4	0.0	42.4	0.02
Total on Site:	25	4,033.0	0.40	0.00	4,032.72	39.5	0.0	39.5	0.03

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	BAKER	DP606X	7141823	M225	6x16	1860		--	--

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	61.00	1640	5010	69.8	82.1	15.0/25.0	60/85	1.178	204	156.8	1.1

MUD DATA - M-I SWACO

Engineer: John Kruczek MBT: 12.5 lbm/bbl
 Sample From: In pH: 10.0
 Mud Type: Freshwater/Gel Pm / Pom: 0.00
 Time / MD: 22:20 / 6,751.0 Pf / Mf: 0.6 / 0.7
 Density @ Temp: 9.30 / 100 Chlorides: 30,000
 Rheology Temp: 120 Ca+ / K+: 1,060 / 0
 Viscosity: 41.00 CaCl2: 0.00
 PV / YP: 4 / 29 Clom: 0.17
 Gels 10s/10m/30m: 18 / 22 / 25 Lime: 0.00
 API WL: 45.00 ES: 6.00
 HTHP WL: 0.00 ECD: 9.99
 Cake API / HTHP: 2.0 / .0 n / K: 0.00 / 0.000
 Solids / Sol Corr: 1.40 / 0.00 Carbonate: 12 ppm
 Oil / Water: 0.0 / 0.0 Bicarbonate: 0 ppm
 Sand: 0.10 Form Loss: 0.0 / 0.0
 Water Added: 600.0 bbl Fluid Disch: /
 Oil Added:
 LGS: 5.20 / 47.70

VG Meter: 18@3 / 24@6 / 28@100 / 30@200 / 33@300 / 37@600

Comments: DUMP AND DILUTE AS NEEDED TO MAINTAIN 9.4PPG.
 MIX CAUSTIC TO KEEP PH ABOVE 10.0. ADD 6-8SXS SODA ASH PER
 TOUR. PUMP HIGH-VIS SWEEPS EVERY 90-100FT. OR AS NEEDED.

LAST OR CURRENT BHA

BHA No: 2	Bit No: 2	MD In: 1860 ft		
Purpose: DRILL 8 3/4" PRODUCTION HOLE		MD Out:		
Component	OD	ID	Jts	Length
HWDP	5.000	2.938	11	335.97
DRILLING JAR	6.500	3.000	1	31.77
HWDP	5.000	3.000	6	183.59
CROSSOVER	6.500	2.938	1	3.05
SPIRAL DRILL COLLAR	6.437	2.938	9	274.94
PONY DRILL COLLAR	6.437	2.875	1	7.28
MWD TOOL	6.500	2.937	1	4.96
UNDERGAUGE INTEGRAL BLADE STABILIZ	6.500	3.937	1	7.81
SPIRAL DRILL COLLAR	6.500	2.937	1	30.85
UNDERGAUGE INTEGRAL BLADE STABILIZ	6.500	3.375	1	6.37
POSITIVE DISPLACEMENT MOTOR	6.500	2.500	1	32.02
PDC BIT	8.750	2.500	1	1.00
Total Length:	919.61 ft	Wt below Jars:	32.0 kip	

MUD PRODUCTS

Product	Units	Qty Used
Air Comp Rent	Each	1.00
Caustic Soda	Bag, 50 lb	18.00
Engineering Service	Each	1.00
M-I Gel Bulk	Ton	12.00
Premix Pit Rental	each	1.00
Soda Ash	Bag, 50 lb	12.00

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
 USA

Date: 09/05/2012
 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	DRILL 8.75" PRODUCTION HOLE FROM 5,230' TO 5,470', 240' @ 60 FT/HR AVG ROP USING 550 GPM 1350 PSI OFF BTM, 1580 PSI ON BOTTOM. 73 RPM SURFACE + 88 MRPM = 161 BRPM'S, WOB 17-20 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 6 K TORQUE ON BOTTOM. CIRCULATING STEEL PITS MW IN 9.1 PPG MW OUT 9.1 PPG VIS 35-40 PH 10-11 PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED. SAFETY BREAK: GENERAL HOUSEKEEPING
4:00	6:00	2.00	31PRDR	DRILL	MTRVER	P	DRILL 8.75" PRODUCTION HOLE FROM 5,470' TO 5,600', 130' @ 65 FT/HR AVG ROP USING 550 GPM 1350 PSI OFF BTM, 1580 PSI ON BOTTOM. 73 RPM SURFACE + 88 MRPM = 161 BRPM'S, WOB 17-20 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 6 K TORQUE ON BOTTOM. CIRCULATING STEEL PITS MW IN 9.1 PPG MW OUT 9.1 PPG VIS 35-40 PH 10-11 PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED.
6:00	10:00	4.00	31PRDR	DRILL	MTRVER	P	DRILL 8.75" PRODUCTION HOLE FROM 5,600' TO 5,871', 136' @ 67.75 FT/HR AVG ROP USING 550 GPM 1350 PSI OFF BTM, 1580 PSI ON BOTTOM. 73 RPM SURFACE + 88 MRPM = 161 BRPM'S, WOB 17-20 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 6 K TORQUE ON BOTTOM. CIRCULATING STEEL PITS MW IN 9.1 PPG MW OUT 9.1 PPG VIS 35-40 PH 10-11 PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED. SAFETY BREAK TOPIC:GOOD CATCHES FOUND ON OTHER H&P RIGS.
10:00	14:00	4.00	31PRDR	DRILL	MTRVER	P	DRILL 8.75" PRODUCTION HOLE FROM 5,871' TO 6,058', 187' @ 46.7 FT/HR AVG ROP USING 550 GPM 1350 PSI OFF BTM, 1580 PSI ON BOTTOM. 73 RPM SURFACE + 88 MRPM = 161 BRPM'S, WOB 17-20 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 6 K TORQUE ON BOTTOM. CIRCULATING STEEL PITS MW IN 9.1 PPG MW OUT 9.1 PPG VIS 35-40 PH 10-11 PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED. SAFETY BREAK TOPIC:USE OF FLAGGER WHILE BACKING UP ON LOCATION.
14:00	17:30	3.50	31PRDR	DRILL	MTRVER	P	DRILL 8.75" PRODUCTION HOLE FROM 6,058' TO 6,358', 300' @ 85.7 FT/HR AVG ROP USING 550 GPM 1350 PSI OFF BTM, 1580 PSI ON BOTTOM. 73 RPM SURFACE + 88 MRPM = 161 BRPM'S, WOB 17-20 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 6 K TORQUE ON BOTTOM. CIRCULATING STEEL PITS MW IN 9.1 PPG MW OUT 9.1 PPG VIS 35-40 PH 10-11 PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED.
17:30	18:00	0.50	31PRDR	RIGMT	SRVRIG	P	RIG SERVICE

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
 USA

Date: 09/05/2012
 Report No: 9

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
18:00	22:00	4.00	31PRDR	DRILL	MTRVER	P	DRILL 8.75" PRODUCTION HOLE FROM 6,358' TO 6,700', 342' @ 85.5 FT/HR AVG ROP USING 550 GPM 1350 PSI OFF BTM, 1580 PSI ON BOTTOM. 73 RPM SURFACE + 88 MRPM = 161 BRPM'S, WOB 17-20 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 6 K TORQUE ON BOTTOM. CIRCULATING STEEL PITS MW IN 9.1 PPG MW OUT 9.1 PPG VIS 35-40 PH 10-11 PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED. SAFETY BREAK TOPIC: MEET AND GREET AT GATE.
22:00	0:00	2.00	31PRDR	DRILL	MTRVER	P	DRILL 8.75" PRODUCTION HOLE FROM 6,700' TO 6,870', 170' @ 85 FT/HR AVG ROP USING 575 GPM 1500 PSI OFF BTM, 1850 PSI ON BOTTOM. 73 RPM SURFACE + 92 MRPM = 165 BRPM'S, WOB 17-20 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 6 K TORQUE ON BOTTOM. CIRCULATING STEEL PITS MW IN 9.1 PPG MW OUT 9.1 PPG VIS 35-40 PH 10-11 PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED.
Total Time		24.00					

Safety Incident? N Days since Last RI: 135.00 Weather Comments:

Environ Incident? N Days since Last LTA: 779.00

Incident Comments:

No incidents reported last 24 hours.

Other Remarks:

FROM THE INTERSECTION OF HIGHWAY 385 AND HIGHWAY 176 IN ANDREWS, TEXAS, DRIVE 2.1 MILES EAST ON HIGHWAY 176 TO INTERSECTION OF HIGHWAY 176 AND HIGHWAY 115. TURN LEFT (NORTHEAST) ON HIGHWAY 115. FROM INTERSECTION OF HIGHWAY 115 AND HIGHWAY 176, DRIVE 6.75 MILES NORTHEAST ON HIGHWAY 115 TO THE INTERSECTION OF FM 1788. TURN RIGHT (SOUTH) ON FM 1788 AND DRIVE 1.25 MILES, TURN RIGHT (WEST) ONTO LEASE ROAD. JUST INSIDE THE CATTLE GUARD, TURN LEFT (SOUTH) ON LEASE ROAD. DRIVE 0.25 MILES AND TURN RIGHT (WEST) ON LEASE ROAD. DRIVE 0.1 MILES TO UNIVERSITY CAITLIN #4.

LIFE FLIGHT COORDINATES: LAT 32°21' 47.60"N LONG: 102°24' 49.06"W NAD 27

OXY DSM TRAILER: 432-253-7317

DAY DSM CELL #: 979-325-9139

NIGHT DSM CELL #: 903-721-0044

NOTIFIED TRRC OF THE INTENT TO SPUD. SPOKE WITH KARINA, 8/30/2012, 09:00 HRS.

STOP CARDS: 15

SWA'S: 0

NEAR MISSES: 0

JSA'S: 20

SAFETY MEETINGS: 8

LO/TO'S: 1

PERMITS TO WORK: 1

POWER LINE CHECKLISTS: 8/27/12

PRE SPUD/RIG INSPECTIONS: 1- 8/31/12

STOP CARD: OBSERVED 3RD PARTY EMPLOYEE ENTERING LOCATION WITHOUT PERSONAL H2S MONITOR, EXPLAINED OXY POLICY AND EMPLOYEE COMPLIED.

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
 USA

Date: 09/06/2012
 Report No: 10

Wellbore / Top MD: 00 @ 0 ft Rig: H&P 393 Ref Datum: Original KB @3,101.20ft DFS: 6.60
 Today's MD: 8082 ft Progress: 1212 ft Ground Elev: 3,076.20 ft Daily Cost: \$53,616
 Prev MD: 6870 ft Rot Hrs Today: 24.00 hr AFE MD/Days: 12,100.0 / 17.7 days Cum Cost: \$1,030,004
 PBMD: Avg ROP Today: 50.5 ft/hr AFE Number: 1141016#0102 AFE Cost: \$1,620,905

Current Formation: CLEARFORK@7,200.0

Lithology:

Current Ops:

24-Hr Summary: DRILL 8 3/4" PRODUCTION HOLE F/ 6,870' T/ 8,082' DUMP AND DILUTE AS NEEDED TO MAINTAIN MUD WEIGHT.

24-Hr Forecast: (RR 9/18/2012)(ROL 9/20/2012) DRILL 8 3/4" PRODUCTION HOLE

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS	Avg	Max
Last Casing:	9.625in @ 1,860ft	Str Wt Up/Dn:	251.0/ 231.0 kip	Pump Rate:	552.6	Conn:	0	0
Next Casing:	5.500in @ 12,100ft	Str Wt Rot:	242.0 kip	Pump Press:	1777	Trip:	0	0
Last BOP Press Test:	09/02/2012	Torq Off Btm:	3,000.0 ft-lbf			Backgr:	12	22
Form Test/EMW:	FIT / 12.50 ppg	Torq On Btm:	7,000.0 ft-lbf					

PERSONNEL		SURVEY DATA (LAST 6)							
Supervisor 1:	TRAVIS OTTO	MD	Incl	Azi	TVD	N-S	E-W	VS	DLS
Supervisor 2:	BRAD WIED	8,003.0	3.40	0.00	8,002.20	89.7	0.0	89.7	0.57
Engineer:	DANIEL COOK	7,533.0	0.70	0.00	7,532.54	72.9	0.0	72.9	0.16
Geologist:		7,156.0	0.10	0.00	7,155.55	70.3	0.0	70.3	0.12
Oxy Personnel:	2	6,673.0	0.70	0.00	6,672.57	66.9	0.0	66.9	0.04
Contractor Personnel:	13	6,201.0	0.90	0.00	6,200.61	60.3	0.0	60.3	0.07
Total on Site:	15	5,636.0	0.50	0.00	5,635.66	53.4	0.0	53.4	0.03

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	BAKER	DP606X	7141823	M225	6x16	1860		--	--

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	24.00	85.00	1212	6222	50.5	73.2	15.0/26.0	40/90	1.178	185	149.8	1.0

MUD DATA - M-I SWACO

Engineer: John Kruczek MBT: 15.0 lbm/bbl
 Sample From: In pH: 11.0
 Mud Type: Freshwater/Gel Pm / Pom: 0.00
 Time / MD: 21:30 / 7,935.0 Pf / Mf: 1.2 / 1.4
 Density @ Temp: 9.20 / 105 Chlorides: 28,000
 Rheology Temp: 120 Ca+ / K+: 200 / 0
 Viscosity: 36.00 CaCl2: 0.00
 PV / YP: 4 / 24 Clom: 0.19
 Gels 10s/10m/30m: 17 / 19 / 21 Lime: 0.00
 API WL: 45.00 ES: 1.20
 HTHP WL: 0.00 ECD: 9.76
 Cake API / HTHP: 2.0 / .0 n / K: 0.00 / 0.000
 Solids / Sol Corr: 1.30 / 0.00 Carbonate: 23 ppm
 Oil / Water: 0.0 / 0.0 Bicarbonate: 0 ppm
 Sand: 0.10 Form Loss: 0.0 / 0.0
 Water Added: 960.0 bbl Fluid Disch: /
 Oil Added:
 LGS: 4.60 / 42.00

VG Meter: 17@3 / 19@6 / 24@100 / 26@200 / 28@300 / 32@600

Comments: DUMP AND DILUTE AS NEEDED TO MAINTAIN 9.4PPG.
 ADD CAUSTIC TO KEEP PH ABOVE 10.0. PUMP 60-80VIS GEL
 SWEEPS EVERY 90-100FT. OR AS NEEDED. MIX 6-8SXS SODA ASH
 PER TOUR.

MUD PRODUCTS

Product	Units	Qty Used
Air Comp Rent	Each	1.00
Caustic Soda	Bag, 50 lb	41.00
Engineering Service	Each	1.00
Federal Bentonite	Bag, 100 lb	11.00
M-I Gel Bulk	Ton	18.00
Premix Pit Rental	each	1.00
Soda Ash	Bag, 50 lb	45.00

LAST OR CURRENT BHA

BHA No: 2	Bit No: 2	MD In: 1860 ft		
Purpose: DRILL 8 3/4" PRODUCTION HOLE		MD Out:		
Component	OD	ID	Jts	Length
PDC BIT	8.750	2.500	1	1.00
POSITIVE DISPLACEMENT MOTOR	6.500	2.500	1	32.02
UNDERGAUGE INTEGRAL BLADE STABILIZ	6.500	3.375	1	6.37
SPIRAL DRILL COLLAR	6.500	2.937	1	30.85
UNDERGAUGE INTEGRAL BLADE STABILIZ	6.500	3.937	1	7.81
MWD TOOL	6.500	2.937	1	4.96
PONY DRILL COLLAR	6.437	2.875	1	7.28
SPIRAL DRILL COLLAR	6.437	2.938	9	274.94
CROSSOVER	6.500	2.938	1	3.05
HWDP	5.000	3.000	6	183.59
DRILLING JAR	6.500	3.000	1	31.77
HWDP	5.000	2.938	11	335.97
Total Length:	919.61 ft	Wt below Jars:	32.0 kip	

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
 USA

Date: 09/06/2012
 Report No: 10

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	4:00	4.00	31PRDR	DRILL	MTRVER	P	DRILL 8.75" PRODUCTION HOLE FROM 6,870' TO 7,110', 240' @ 60 FT/HR AVG ROP USING 575 GPM 1500 PSI OFF BTM, 1850 PSI ON BOTTOM. 73 RPM SURFACE + 92 MRPM = 165 BRPM'S, WOB 17-20 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 6 K TORQUE ON BOTTOM. CIRCULATING STEEL PITS MW IN 931 PPG MW OUT 9.3 PPG VIS 35-40 PH 10-11 PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED. SAFETY BREAK TOPIC: SEVERE WEATHER
4:00	6:00	2.00	31PRDR	DRILL	MTRVER	P	DRILL 8.75" PRODUCTION HOLE FROM 7,110' TO 7,214, 104' @ 52 FT/HR AVG ROP USING 575 GPM 1500 PSI OFF BTM, 1850 PSI ON BOTTOM. 73 RPM SURFACE + 92 MRPM = 165 BRPM'S, WOB 17-20 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 6 K TORQUE ON BOTTOM. CIRCULATING STEEL PITS MW IN 9.3 PPG MW OUT 9.3 PPG VIS 35-40 PH 10-11 PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED
6:00	10:00	4.00	31PRDR	DRILL	MTRVER	P	DRILL 8.75" PRODUCTION HOLE FROM 7,214' TO 7,352, 138' @ 34.5 FT/HR AVG ROP USING 550 GPM 1,512 PSI OFF BTM, 1,771 PSI ON BOTTOM. 70 RPM SURFACE + 88 MRPM = 158 BRPM'S, WOB 17-20 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 6 K TORQUE ON BOTTOM. CIRCULATING STEEL PITS MW IN 9.3 PPG MW OUT 9.2 PPG VIS 46 PH 10.5 PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED
10:00	12:00	2.00	31PRDR	DRILL	MTRVER	P	DRILL 8.75" PRODUCTION HOLE FROM 7,352' TO 7,431, 79' @ 39.5 FT/HR AVG ROP USING 550 GPM 1,603 PSI OFF BTM, 1,858 PSI ON BOTTOM. 70 RPM SURFACE + 88 MRPM = 158 BRPM'S, WOB 17-20 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 6 K TORQUE ON BOTTOM. CIRCULATING STEEL PITS MW IN 9.2 PPG MW OUT 9.2 PPG VIS 45 PH 10.5 PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED
12:00	16:00	4.00	31PRDR	DRILL	MTRVER	P	DRILL 8.75" PRODUCTION HOLE FROM 7,431' TO 7,577, 146' @ 36.5 FT/HR AVG ROP USING 550 GPM 1,598 PSI OFF BTM, 1,771 PSI ON BOTTOM. 48 RPM SURFACE + 88 MRPM = 158 BRPM'S, WOB 17-20 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 6 K TORQUE ON BOTTOM. CIRCULATING STEEL PITS MW IN 9.3 PPG MW OUT 9.1 PPG VIS 45 PH 10.5 PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
 USA

Date: 09/06/2012
 Report No: 10

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
16:00	18:00	2.00	31PRDR	DRILL	MTRVER	P	DRILL 8.75" PRODUCTION HOLE FROM 7,577' TO 7,730, 153' @ 76.5 FT/HR AVG ROP USING 550 GPM 1,598 PSI OFF BTM, 1,771 PSI ON BOTTOM. 50 RPM SURFACE + 88 MRPM = 158 BRPM'S, WOB 17-20 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 6 K TORQUE ON BOTTOM. CIRCULATING STEEL PITS MW IN 9.2 PPG MW OUT 9.1+ PPG VIS 44 PH 10.5 PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED 18:00 HOURS: CREW CHANGE
18:00	22:00	4.00	31PRDR	DRILL	MTRVER	P	DRILL 8.75" PRODUCTION HOLE FROM 7,730' TO 7,964, 234' @ 58.5 FT/HR AVG ROP USING 550 GPM 1,533 PSI OFF BTM, 1,779 PSI ON BOTTOM. 90 RPM SURFACE + 88 MRPM = 178 BRPM'S, WOB 17-22 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 7 K TORQUE ON BOTTOM. CIRCULATING STEEL PITS MW IN 9.2 PPG MW OUT 9.2+ PPG VIS 36 PH 11.5 PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED 22:00 HOURS SAFETY: DISCUSSED GOOD HOUSE KEEPING.
22:00	0:00	2.00	31PRDR	DRILL	MTRVER	P	DRILL 8.75" PRODUCTION HOLE FROM 7,964' TO 8,082, 118' @ 59 FT/HR AVG ROP USING 550 GPM 1,522 PSI OFF BTM, 1,777 PSI ON BOTTOM. 50 RPM SURFACE + 88 MRPM = 138 BRPM'S, WOB 17-22 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 7 K TORQUE ON BOTTOM. CIRCULATING STEEL PITS MW IN 9.2 PPG MW OUT 9.2+ PPG VIS 35 PH 11.5 PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED

Total Time 24.00

Safety Incident? N Days since Last RI: 136.00 Weather Comments:

Environ Incident? N Days since Last LTA: 780.00

Incident Comments:

No incidents reported last 24 hours.

Other Remarks:

FROM THE INTERSECTION OF HIGHWAY 385 AND HIGHWAY 176 IN ANDREWS, TEXAS, DRIVE 2.1 MILES EAST ON HIGHWAY 176 TO INTERSECTION OF HIGHWAY 176 AND HIGHWAY 115. TURN LEFT (NORTHEAST) ON HIGHWAY 115. FROM INTERSECTION OF HIGHWAY 115 AND HIGHWAY 176, DRIVE 6.75 MILES NORTHEAST ON HIGHWAY 115 TO THE INTERSECTION OF FM 1788. TURN RIGHT (SOUTH) ON FM 1788 AND DRIVE 1.25 MILES, TURN RIGHT (WEST) ONTO LEASE ROAD. JUST INSIDE THE CATTLE GUARD, TURN LEFT (SOUTH) ON LEASE ROAD. DRIVE 0.25 MILES AND TURN RIGHT (WEST) ON LEASE ROAD. DRIVE 0.1 MILES TO UNIVERSITY CAITLIN #4.
 LIFE FLIGHT COORDINATES: LAT 32°21' 47.60"N LONG: 102°24' 49.06"W NAD 27
 OXY DSM TRAILER: 432-253-7317
 DAY DSM CELL #: 979-325-9139
 NIGHT DSM CELL #: 979-332-3431

NOTIFIED TRRC OF THE INTENT TO SPUD. SPOKE WITH KARINA, 8/30/2012, 09:00 HRS.

STOP CARDS: 20
 SWA'S: 1
 NEAR MISSES: 0

JSA'S: 18
 SAFETY MEETINGS: 8
 LO/TO'S: 0
 PERMITS TO WORK: 0
 POWER LINE CHECKLISTS: 8/27/12
 PRE SPUD/RIG INSPECTIONS: 1- 8/31/12

STOP CARD: OBSERVED EMPLOYEE PRESSURE WASHING PIPE WRANGLER WITHOUT WEARING FACE SHIELD.
 STOPPED HIM EXPLAIN THE DANGERS AND POLICY HE UNDERSTOOD JOB CONTINUE WITHOUT INCIDENT.

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
USA

Date: 09/07/2012
Report No: 11

Wellbore / Top MD: 00 @ 0 ft Rig: H&P 393 Ref Datum: Original KB @3,101.20ft DFS: 7.60
Today's MD: 9323 ft Progress: 1241 ft Ground Elev: 3,076.20 ft Daily Cost: \$53,956
Prev MD: 8082 ft Rot Hrs Today: 23.50 hr AFE MD/Days: 12,100.0 / 17.7 days Cum Cost: \$1,083,961
PBMD: Avg ROP Today: 52.8 ft/hr AFE Number: 1141016#0102 AFE Cost: \$1,620,905

Current Formation: SPRABERRY@8,450.0

Lithology:

Current Ops:

24-Hr Summary: DRILL 8 3/4" PRODUCTION HOLE F/ 8,082' T/ 9,323' DUMP AND DILUTE AS NEEDED TO MAINTAIN MUD WEIGHT.

24-Hr Forecast: (RR 9/18/2012)(ROL 9/20/2012) DRILL 8 3/4" PRODUCTION HOLE

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS	Avg	Max
Last Casing:	9.625in @ 1,860ft	Str Wt Up/Dn:	284.0 / 251.0 kip	Pump Rate:	552.6	Conn:	0	0
Next Casing:	5.500in @ 12,100ft	Str Wt Rot:	266.0 kip	Pump Press:	1979	Trip:	0	0
Last BOP Press Test:	09/02/2012	Torq Off Btm:	3,500.0 ft-lbf			Backgr:	0	0
Form Test/EMW:	FIT / 12.50 ppg	Torq On Btm:	9,000.0 ft-lbf					

PERSONNEL		SURVEY DATA (LAST 6)							
Supervisor 1:	TRAVIS OTTO	MD	Incl	Azi	TVD	N-S	E-W	VS	DLS
Supervisor 2:	BRAD WIED	9,042.0	0.70	0.00	9,040.00	137.4	0.0	137.4	0.43
Engineer:	DANIEL COOK	8,948.0	1.10	0.00	8,946.01	136.0	0.0	136.0	1.06
Geologist:		8,854.0	2.10	0.00	8,852.05	133.3	0.0	133.3	1.47
Oxy Personnel:	2	8,759.0	3.50	0.00	8,757.17	128.7	0.0	128.7	0.53
Contractor Personnel:	13	8,665.0	4.00	0.00	8,663.37	122.6	0.0	122.6	1.27
Total on Site:	15	8,602.0	3.20	0.00	8,600.49	118.6	0.0	118.6	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
2	8.750	BAKER	DP606X	7141823	M225	6x16	1860		--	--

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	108.50	124	7463	52.8	68.8	15.0/23.0	60/90	1.178	189	150.6	1.0

MUD DATA - M-I SWACO

Engineer: John Kruczek MBT: 15.0 lbm/bbl
Sample From: In pH: 10.0
Mud Type: Freshwater/Gel Pm / Pom: 0.00
Time / MD: 23:52 / 9,315.0 Pf / Mf: 0.8 / 1.1
Density @ Temp: 9.30 / 105 Chlorides: 42,000
Rheology Temp: 120 Ca+ / K+: 360 / 0
Viscosity: 38.00 CaCl2: 0.00
PV / YP: 6 / 23 Clom: 0.27
Gels 10s/10m/30m: 19 / 21 / 26 Lime: 0.00
API WL: 45.00 ES: 8.00
HTHP WL: 0.00 ECD: 9.86
Cake API / HTHP: 2.0 / .0 n / K: 0.00 / 0.000
Solids / Sol Corr: 2.10 / 0.00 Carbonate: 16 ppm
Oil / Water: 0.0 / 0.0 Bicarbonate: 0 ppm
Sand: 0.10 Form Loss: 0.0 / 0.0
Water Added: 730.0 bbl Fluid Disch: /
Oil Added:
LGS: 4.40 / 40.30

VG Meter: 19@3 / 21@6 / 25@100 / 27@200 / 29@300 / 35@600

Comments: DUMP AND DILUTE AS NEEDED TO MAINTAIN WEIGHT
BELOW 9.4PPG. ADD CAUSTIC TO KEEP PH ABOVE 10.0. ADD 4-6SXS
SODA ASH EVERY TOUR. PUMP 60-80VIS SWEEPS EVERY 90-100FT.
OR AS NEEDED.

LAST OR CURRENT BHA

BHA No: 2	Bit No: 2	MD In: 1860 ft		
Purpose: DRILL 8 3/4" PRODUCTION HOLE		MD Out:		
Component	OD	ID	Jts	Length
PDC BIT	8.750	2.500	1	1.00
POSITIVE DISPLACEMENT MOTOR	6.500	2.500	1	32.02
UNDERGAUGE INTEGRAL BLADE STABILIZER	6.500	3.375	1	6.37
SPIRAL DRILL COLLAR	6.500	2.937	1	30.85
UNDERGAUGE INTEGRAL BLADE STABILIZER	6.500	3.937	1	7.81
MWD TOOL	6.500	2.937	1	4.96
PONY DRILL COLLAR	6.437	2.875	1	7.28
SPIRAL DRILL COLLAR	6.437	2.938	9	274.94
CROSSOVER	6.500	2.938	1	3.05
HWDP	5.000	3.000	6	183.59
DRILLING JAR	6.500	3.000	1	31.77
HWDP	5.000	2.938	11	335.97

Total Length: 919.61 ft Wt below Jars: 32.0 kip

MUD PRODUCTS

Product	Units	Qty Used
Air Comp Rent	Each	1.00
Caustic Soda	Bag, 50 lb	30.00
Engineering Service	Each	1.00
Federal Bentonite	Bag, 100 lb	9.00
M-I Gel Bulk	Ton	8.00
Premix Pit Rental	each	1.00
Soda Ash	Bag, 50 lb	18.00

OXY USA INC
DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
USA

Date: 09/07/2012
Report No: 11

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	2:00	2.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 8.75" PRODUCTION HOLE FROM 8,082' TO 8,150, 68' @ 34 FT/HR AVG ROP</p> <p>USING 550 GPM 1,511 PSI OFF BTM, 1,761 PSI ON BOTTOM. 65 RPM SURFACE + 88 MRPM = 153 BRPM'S, WOB 17-22 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 7 K TORQUE ON BOTTOM.</p> <p>CIRCULATING STEEL PITS</p> <p>MW IN 9.3 PPG MW OUT 9.3+ PPG VIS 35 PH 10.5</p> <p>PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED</p> <p>02:00 HOURS SAFETY: DISCUSSED INCIDENT REPORT ON FATALITIES RESULTING FROM MANUAL RIG TONGS.</p>
2:00	6:00	4.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 8.75" PRODUCTION HOLE FROM 8,150' TO 8,340, 190' @ 47.5 FT/HR AVG ROP</p> <p>USING 550 GPM 1,422 PSI OFF BTM, 1,660 PSI ON BOTTOM. 70 RPM SURFACE + 88 MRPM = 158 BRPM'S, WOB 17-22 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 7 K TORQUE ON BOTTOM.</p> <p>CIRCULATING STEEL PITS</p> <p>MW IN 9.2 PPG MW OUT 9.2+ PPG VIS 42 PH 11.5</p> <p>PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED</p> <p>06:00 HOURS: CREW CHANGE</p>
6:00	10:00	4.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 8.75" PRODUCTION HOLE FROM 8,340' TO 8,584', 244' @ 61 FT/HR AVG ROP</p> <p>USING 550 GPM 1,622 PSI OFF BTM, 1,886' PSI ON BOTTOM. 65 RPM SURFACE + 88 MRPM = 153 BRPM'S, WOB 17-22 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 7 K TORQUE ON BOTTOM.</p> <p>CIRCULATING STEEL PITS</p> <p>MW IN 9.3 PPG MW OUT 9.1+ PPG VIS 42 PH 10.5</p> <p>PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED</p>
10:00	12:00	2.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 8.75" PRODUCTION HOLE FROM 8,584' TO 8,665', 81' @ 40.5 FT/HR AVG ROP</p> <p>USING 550 GPM 1,823 PSI OFF BTM, 2,119' PSI ON BOTTOM. 60 RPM SURFACE + 88 MRPM = 148 BRPM'S, WOB 17-22 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 7 K TORQUE ON BOTTOM.</p> <p>CIRCULATING STEEL PITS</p> <p>MW IN 9.3 PPG MW OUT 9.1+ PPG VIS 40 PH 10.5</p> <p>PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED</p>
12:00	16:00	4.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 8.75" PRODUCTION HOLE FROM 8,665' TO 8,910', 245' @ 61 FT/HR AVG ROP</p> <p>USING 550 GPM 1,642 PSI OFF BTM, 1,883' PSI ON BOTTOM. 80 RPM SURFACE + 88 MRPM = 168 BRPM'S, WOB 17-22 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 7 K TORQUE ON BOTTOM.</p> <p>CIRCULATING STEEL PITS</p> <p>MW IN 9.3 PPG MW OUT 9.1+ PPG VIS 40 PH 10.5</p> <p>PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED</p> <p>14:00 HOURS SAFETY: DISCUSSED ABOUT BLOW OUT CONTROL.</p>
16:00	16:30	0.50	31PRDR	RIGMT	SRVRIG	P	RIG SERVICE/ LUBRICATE RIG

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
 USA

Date: 09/07/2012
 Report No: 11

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
16:30	18:00	1.50	31PRDR	DRILL	MTRVER	P	DRILL 8.75" PRODUCTION HOLE FROM 8,910' TO 9,015', 105' @ 70 FT/HR AVG ROP USING 550 GPM 1,607 PSI OFF BTM, 1,865' PSI ON BOTTOM. 80 RPM SURFACE + 88 MRPM = 168 BRPM'S, WOB 17-22 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 7 K TORQUE ON BOTTOM. CIRCULATING STEEL PITS MW IN 9.2+ PPG MW OUT 9.2 PPG VIS 41 PH 11 PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED 18:00 HOURS: CREW CHANGE
18:00	22:00	4.00	31PRDR	DRILL	MTRVER	P	DRILL 8.75" PRODUCTION HOLE FROM 9,015' TO 9,226', 211' @ 52.75 FT/HR AVG ROP USING 550 GPM 1,777 PSI OFF BTM, 1,907' PSI ON BOTTOM. 70 RPM SURFACE + 88 MRPM = 168 BRPM'S, WOB 17-22 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 9 K TORQUE ON BOTTOM. CIRCULATING STEEL PITS MW IN 9.2+ PPG MW OUT 9.2 PPG VIS 42 PH 10.5 PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED 22:00 HOURS SAFETY: DISCUSSED HARASSMENT AND DISCRIMINATION AND PREVENTION TRAINING.
22:00	0:00	2.00	31PRDR	DRILL	MTRVER	P	DRILL 8.75" PRODUCTION HOLE FROM 9,226' TO 9,323', 97' @ 48.5 FT/HR AVG ROP USING 550 GPM 1,743 PSI OFF BTM, 1,979' PSI ON BOTTOM. 75 RPM SURFACE + 88 MRPM = 163 BRPM'S, WOB 17-22 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 9 K TORQUE ON BOTTOM. CIRCULATING STEEL PITS MW IN 9.3 PPG MW OUT 9.2 PPG VIS 38 PH 10.5 PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED
Total Time		24.00					

Safety Incident? N Days since Last RI: 137.00 Weather Comments:

Environ Incident? N Days since Last LTA: 781.00

Incident Comments:

No incidents reported last 24 hours.

Other Remarks:

FROM THE INTERSECTION OF HIGHWAY 385 AND HIGHWAY 176 IN ANDREWS, TEXAS, DRIVE 2.1 MILES EAST ON HIGHWAY 176 TO INTERSECTION OF HIGHWAY 176 AND HIGHWAY 115. TURN LEFT (NORTHEAST) ON HIGHWAY 115. FROM INTERSECTION OF HIGHWAY 115 AND HIGHWAY 176, DRIVE 6.75 MILES NORTHEAST ON HIGHWAY 115 TO THE INTERSECTION OF FM 1788. TURN RIGHT (SOUTH) ON FM 1788 AND DRIVE 1.25 MILES, TURN RIGHT (WEST) ONTO LEASE ROAD. JUST INSIDE THE CATTLE GUARD, TURN LEFT (SOUTH) ON LEASE ROAD. DRIVE 0.25 MILES AND TURN RIGHT (WEST) ON LEASE ROAD. DRIVE 0.1 MILES TO UNIVERSITY CAITLIN #4.
 LIFE FLIGHT COORDINATES: LAT 32°21' 47.60"N LONG: 102°24' 49.06"W NAD 27
 OXY DSM TRAILER: 432-253-7317
 DAY DSM CELL #: 432-813-9441
 NIGHT DSM CELL #: 979-332-3431

NOTIFIED TRRC OF THE INTENT TO SPUD. SPOKE WITH KARINA, 8/30/2012, 09:00 HRS.

STOP CARDS: 22
 SWA'S: 1
 NEAR MISSES: 0

JSA'S: 18
 SAFETY MEETINGS: 6
 LO/TO'S: 0
 PERMITS TO WORK: 0
 POWER LINE CHECKLISTS: 8/27/12
 PRE SPUD/RIG INSPECTIONS: 1- 8/31/12

STOP CARD: OBSERVE EMPLOYEE STANDING TOO CLOSE TO PIPE WRANGLER WHILE IT WAS IN MOTION. STOPPED HIM EXPLAIN THE DANGERS AND POLICY ON BUFFER ZONE HE AGREED JOB CONTINUE WITHOUT INCIDENT.

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
 USA

Date: 09/08/2012
 Report No: 12

Wellbore / Top MD: 00 @ 0 ft Rig: H&P 393 Ref Datum: Original KB @3,101.20ft DFS: 8.60
 Today's MD: 10,200 ft Progress: 877 ft Ground Elev: 3,076.20 ft Daily Cost: \$49,944
 Prev MD: 9323 ft Rot Hrs Today: 23.50 hr AFE MD/Days: 12,100.0 / 17.7 days Cum Cost: \$1,133,904
 PBMD: Avg ROP Today: 37.3 ft/hr AFE Number: 1141016#0102 AFE Cost: \$1,620,905

Current Formation: WOLFCAMP@9,900.0

Lithology:

Current Ops:

24-Hr Summary: DRILL 8 3/4" PRODUCTION HOLE F/ 9,323' T/ 10,200' DUMP AND DILUTE AS NEEDED TO MAINTAIN MUD WEIGHT.

24-Hr Forecast: (RR 9/13/2012)(ROL 9/15/2012) DRILL 8 3/4" PRODUCTION HOLE

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS	Avg	Max
Last Casing:	9.625in @ 1,860ft	Str Wt Up/Dn:	303.0/ 262.0 kip	Pump Rate:	498.8	Conn:	0	0
Next Casing:	5.500in @ 12,100ft	Str Wt Rot:	280.0 kip	Pump Press:	1967	Trip:	0	0
Last BOP Press Test:	09/02/2012	Torq Off Btm:	11,000.0 ft-lbf			Backgr:	0	0
Form Test/EMW:	FIT / 12.50 ppg	Torq On Btm:	3,000.0 ft-lbf					

PERSONNEL		SURVEY DATA (LAST 6)							
Supervisor 1:	TRAVIS OTTO	MD	Incl	Azi	TVD	N-S	E-W	VS	DLS
Supervisor 2:	BRAD WIED	10,173.0	2.50	0.00	10,170.26	177.1	0.0	177.1	0.11
Engineer:	DANIEL COOK	10,079.0	2.60	0.00	10,076.35	172.9	0.0	172.9	0.32
Geologist:		9,985.0	2.90	0.00	9,982.46	168.4	0.0	168.4	0.64
Oxy Personnel:	2	9,891.0	2.30	0.00	9,888.56	164.1	0.0	164.1	0.84
Contractor Personnel:	13	9,796.0	1.50	0.00	9,793.61	161.0	0.0	161.0	0.64
Total on Site:	15	9,702.0	2.10	0.00	9,699.66	158.0	0.0	158.0	0.43

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	BAKER	DP606X	7141823	M225	6x16	1860		--	--

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	132.00	877	8340	37.3	63.2	15.0/25.0	55/100	1.178	154	136.2	0.7

MUD DATA - M-I SWACO

Engineer: John Kruczek MBT: 15.0 lbm/bbl
 Sample From: In pH: 11.0
 Mud Type: Freshwater/Gel Pm / Pom: 0.00
 Time / MD: 23:45 / 10,181.0 Pf / Mf: 1.1 / 1.9
 Density @ Temp: 9.30 / 105 Chlorides: 40,000
 Rheology Temp: 120 Ca+ / K+: 280 / 0
 Viscosity: 37.00 CaCl2: 0.00
 PV / YP: 5 / 24 Clom: 0.23
 Gels 10s/10m/30m: 19 / 22 / 26 Lime: 0.00
 API WL: 45.00 ES: 1.10
 HTHP WL: 0.00 ECD: 9.79
 Cake API / HTHP: 3.0 / .0 n / K: 0.00 / 0.000
 Solids / Sol Corr: 2.00 / 0.00 Carbonate: 21 ppm
 Oil / Water: 0.0 / 0.0 Bicarbonate: 0 ppm
 Sand: 0.10 Form Loss: 0.0 / 0.0
 Water Added: 230.0 bbl Fluid Disch: /
 Oil Added:
 LGS: 4.60 / 41.60

VG Meter: 19@3 / 21@6 / 23@100 / 25@200 / 29@300 / 34@600

Comments: DUMP AND DILUTE AS NEEDED TO MAINTAIN WEIGHT
 BELOW 9.4PPG. MIX CAUSTIC TO KEEP PH ABOVE 10.0. ADD 4-6SXS
 SODA ASH PER TOUR. PUMP HIGH-VIS SWEEPS EVERY 90-100FT.
 OR AS NEEDED. PLAN TO BEGIN MUD UP PRIOR TO DRILLING

LAST OR CURRENT BHA

BHA No: 2	Bit No: 2	MD In: 1860 ft		
Purpose: DRILL 8 3/4" PRODUCTION HOLE		MD Out:		
Component	OD	ID	Jts	Length
PDC BIT	8.750	2.500	1	1.00
POSITIVE DISPLACEMENT MOTOR	6.500	2.500	1	32.02
UNDERGAUGE INTEGRAL BLADE STABILIZ	6.500	3.375	1	6.37
SPIRAL DRILL COLLAR	6.500	2.937	1	30.85
UNDERGAUGE INTEGRAL BLADE STABILIZ	6.500	3.937	1	7.81
MWD TOOL	6.500	2.937	1	4.96
PONY DRILL COLLAR	6.437	2.875	1	7.28
SPIRAL DRILL COLLAR	6.437	2.938	9	274.94
CROSSOVER	6.500	2.938	1	3.05
HWDP	5.000	3.000	6	183.59
DRILLING JAR	6.500	3.000	1	31.77
HWDP	5.000	2.938	11	335.97
Total Length: 919.61 ft		Wt below Jars:		32.0 kip

MUD PRODUCTS

Product	Units	Qty Used
Air Comp Rent	Each	1.00
Caustic Soda	Bag, 50 lb	13.00
Engineering Service	Each	1.00
Federal Bentonite	Bag, 100 lb	5.00
M-I Gel Bulk	Ton	9.00
Premix Pit Rental	each	1.00
Soda Ash	Bag, 50 lb	37.00

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
USA

Date: 09/08/2012
Report No: 12

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	2:00	2.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 8.75" PRODUCTION HOLE FROM 9,323' TO 9,408', 85' @ 42.5 FT/HR AVG ROP</p> <p>USING 550 GPM 1,687 PSI OFF BTM, 1,885' PSI ON BOTTOM. 80 RPM SURFACE + 88 MRPM = 168 BRPM'S, WOB 17-22 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 9 K TORQUE ON BOTTOM.</p> <p>CIRCULATING STEEL PITS</p> <p>MW IN 9.3 PPG MW OUT 9.3 PPG VIS 38 PH 10.5</p> <p>PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED.</p> <p>02:00 HOURS SAFETY: DISCUSSED MAN DOWN DRILL HOW TO LOAD, STRAP AND TRANSPORT A MAN TO THE GROUND.</p>
2:00	6:00	4.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 8.75" PRODUCTION HOLE FROM 9,408' TO 9,565', 157' @ 39.25 FT/HR AVG ROP</p> <p>USING 600 GPM 1,814 PSI OFF BTM, 2,059' PSI ON BOTTOM. 65 RPM SURFACE + 88 MRPM = 153 BRPM'S, WOB 17-22 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 9 K TORQUE ON BOTTOM.</p> <p>CIRCULATING STEEL PITS</p> <p>MW IN 9.2 PPG MW OUT 9.3 PPG VIS 41 PH 11.5</p> <p>PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED.</p> <p>06:00 HOURS: CREW CHANGE</p>
6:00	10:00	4.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 8.75" PRODUCTION HOLE FROM 9,565' TO 9,699', 134' @ 33.5 FT/HR AVG ROP</p> <p>USING 550 GPM 1,603 PSI OFF BTM, 1,866' PSI ON BOTTOM. 70 RPM SURFACE + 88 MRPM = 158 BRPM'S, WOB 17-22 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 9 K TORQUE ON BOTTOM.</p> <p>CIRCULATING STEEL PITS</p> <p>MW IN 9.2 PPG MW OUT 9.1 PPG VIS 39 PH 10.5</p> <p>PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED.</p>
10:00	12:00	2.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 8.75" PRODUCTION HOLE FROM 9,699' TO 9,775', 76' @ 38 FT/HR AVG ROP</p> <p>USING 500 GPM 1,514 PSI OFF BTM, 1,733' PSI ON BOTTOM. 60 RPM SURFACE + 80 MRPM = 140 BRPM'S, WOB 17-22 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 9 K TORQUE ON BOTTOM.</p> <p>CIRCULATING STEEL PITS</p> <p>MW IN 9.2+ PPG MW OUT 9.1+ PPG VIS 41 PH 10.5</p> <p>PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED.</p>
12:00	15:00	3.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 8.75" PRODUCTION HOLE FROM 9,775' TO 9,835', 60' @ 20 FT/HR AVG ROP</p> <p>USING 500 GPM 1,321 PSI OFF BTM, 1,523' PSI ON BOTTOM. 60 RPM SURFACE + 80 MRPM = 140 BRPM'S, WOB 17-22 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 9 K TORQUE ON BOTTOM.</p> <p>CIRCULATING STEEL PITS</p> <p>MW IN 9.3 PPG MW OUT 9.1+ PPG VIS 39 PH 11</p> <p>PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED.</p>
15:00	15:30	0.50	31PRDR	RIGMT	SRVRIG	P	RIG SERVICE/ LUBRICATE RIG

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
 USA

Date: 09/08/2012
 Report No: 12

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
15:30	18:00	2.50	31PRDR	DRILL	MTRVER	P	DRILL 8.75" PRODUCTION HOLE FROM 9,835' TO 9,974', 139' @ 55.6 FT/HR AVG ROP USING 500 GPM 1,511 PSI OFF BTM, 1,705' PSI ON BOTTOM. 70 RPM SURFACE + 80 MRPM = 150 BRPM'S, WOB 17-22 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 9 K TORQUE ON BOTTOM. CIRCULATING STEEL PITS MW IN 9.2 PPG MW OUT 9.1+ PPG VIS 40 PH 11 PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED. 18:00 HOURS: CREW CHANGE
18:00	22:00	4.00	31PRDR	DRILL	MTRVER	P	DRILL 8.75" PRODUCTION HOLE FROM 9,974' TO 10,109', 135' @ 33.75 FT/HR AVG ROP USING 500 GPM 1,567 PSI OFF BTM, 1,738' PSI ON BOTTOM. 75 RPM SURFACE + 80 MRPM = 155 BRPM'S, WOB 17-22 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 9 K TORQUE ON BOTTOM. CIRCULATING STEEL PITS MW IN 9.3 PPG MW OUT 9.3+ PPG VIS 40 PH 11 PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED. PERFORMED BOPE DRILL, AND FIRE DRILL. 22:00 HOURS SAFETY: DISCUSSED AND REVIEWED FIRE DRILL
22:00	0:00	2.00	31PRDR	DRILL	MTRVER	P	DRILL 8.75" PRODUCTION HOLE FROM 10,109' TO 10,200', 91' @ 45.5 FT/HR AVG ROP USING 500 GPM 1,741 PSI OFF BTM, 1,967' PSI ON BOTTOM. 100 RPM SURFACE + 80 MRPM = 180 BRPM'S, WOB 17-22 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 12 K TORQUE ON BOTTOM. CIRCULATING STEEL PITS MW IN 9.3 PPG MW OUT 9.3+ PPG VIS 38 PH 11 PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED.

Total Time 24.00

Safety Incident? N Days since Last RI: 138.00 Weather Comments:

Environ Incident? N Days since Last LTA: 782.00

Incident Comments:

No incidents reported last 24 hours.

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
USA

Date: 09/08/2012
Report No: 12

Other Remarks:

FROM THE INTERSECTION OF HIGHWAY 385 AND HIGHWAY 176 IN ANDREWS, TEXAS, DRIVE 2.1 MILES EAST ON HIGHWAY 176 TO INTERSECTION OF HIGHWAY 176 AND HIGHWAY 115. TURN LEFT (NORTHEAST) ON HIGHWAY 115. FROM INTERSECTION OF HIGHWAY 115 AND HIGHWAY 176, DRIVE 6.75 MILES NORTHEAST ON HIGHWAY 115 TO THE INTERSECTION OF FM 1788. TURN RIGHT (SOUTH) ON FM 1788 AND DRIVE 1.25 MILES, TURN RIGHT (WEST) ONTO LEASE ROAD. JUST INSIDE THE CATTLE GUARD, TURN LEFT (SOUTH) ON LEASE ROAD. DRIVE 0.25 MILES AND TURN RIGHT (WEST) ON LEASE ROAD. DRIVE 0.1 MILES TO UNIVERSITY CAITLIN #4.
LIFE FLIGHT COORDINATES: LAT 32°21' 47.60"N LONG: 102°24' 49.06"W NAD 27
OXY DSM TRAILER: 432-253-7317
DAY DSM CELL #: 432-813-9441
NIGHT DSM CELL #: 979-332-3431

NOTIFIED TRRC OF THE INTENT TO SPUD. SPOKE WITH KARINA, 8/30/2012, 09:00 HRS.

STOP CARDS: 20
SWA'S: 1
NEAR MISSES: 0

JSA'S: 19
SAFETY MEETINGS: 7
LO/TO'S: 0
PERMITS TO WORK: 0
POWER LINE CHECKLISTS: 8/27/12
PRE SPUD/RIG INSPECTIONS: 1- 8/31/12

STOP CARD: OBSERVE EMPLOYEE STANDING BETWEEN STUMP AND ST-80 WHILE IT WAS SWINGING TOWARD MOUSE HOLE. STOPPED HIM EXPLAIN TO EMPLOYEE THE DANGERS AND NEVER STAND IN THE LINE OF FIRE AND BEWARE OF HIS SURROUNDINGS. HE UNDERSTOOD JOB CONTINUE WITHOUT INCIDENT.

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
 USA

Date: 09/09/2012
 Report No: 13

Wellbore / Top MD: 00 @ 0 ft Rig: H&P 393 Ref Datum: Original KB @3,101.20ft DFS: 9.60
 Today's MD: 11,172 ft Progress: 972 ft Ground Elev: 3,076.20 ft Daily Cost: \$94,050
 Prev MD: 10,200 ft Rot Hrs Today: 23.50 hr AFE MD/Days: 12,100.0 / 17.7 days Cum Cost: \$1,227,955
 PBMD: Avg ROP Today: 41.4 ft/hr AFE Number: 1141016#0102 AFE Cost: \$1,620,905

Current Formation: STRAWN@11,080.0

Lithology:

Current Ops:

24-Hr Summary: DRILL 8 3/4" PRODUCTION HOLE F/ 10,200' T/ 11,172' DUMP AND DILUTE AS NEEDED TO MAINTAIN MUD WEIGHT.

24-Hr Forecast: (RR 9/13/2012)(ROL 9/15/2012) DRILL 8 3/4" PRODUCTION HOLE

CASING/WELL CONTROL	HOOKLOAD & TORQUE	HYDRAULICS	MUD GAS	Avg	Max
Last Casing: 9.625in @ 1,860ft	Str Wt Up/Dn: 320.0/ 284.0 kip	Pump Rate: 502.7	Conn:	0	0
Next Casing: 5.500in @ 12,100ft	Str Wt Rot: 300.0 kip	Pump Press: 1986	Trip:	0	0
Last BOP Press Test: 09/02/2012	Torq Off Btm: 3,800.0 ft-lbf		Backgr:	0	0
Form Test/EMW: FIT / 12.50 ppg	Torq On Btm: 9,500.0 ft-lbf				

PERSONNEL	SURVEY DATA (LAST 6)								
Supervisor 1: TRAVIS OTTO	MD	Incl	Azi	TVD	N-S	E-W	VS	DLS	Build
Supervisor 2: BRAD WIED	11,022.0	0.90	0.00	11,019.14	189.7	0.0	189.7	0.32	0.32
Engineer: DANIEL COOK	10,928.0	0.60	0.00	10,925.15	188.4	0.0	188.4	0.42	-0.42
Geologist:	10,833.0	1.00	0.00	10,830.16	187.1	0.0	187.1	0.16	0.16
Oxy Personnel: 2	10,642.0	0.70	0.00	10,639.18	184.3	0.0	184.3	0.67	0.67
Contractor Personnel: 13	10,582.0	0.30	0.00	10,579.18	183.7	0.0	183.7	0.08	-0.08
Total on Site: 15	10,456.0	0.40	0.00	10,453.18	183.0	0.0	183.0	0.48	-0.48

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	BAKER	DP606X	7141823	M225	6x16	1860		--	--

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	155.50	972	9312	41.4	59.9	17.0/28.0	50/100	1.178	153	136.2	0.7

MUD DATA - M-I SWACO

Engineer: John Kruczek MBT: 15.0 lbm/bbl
 Sample From: In pH: 10.5
 Mud Type: Freshwater/Gel Pm / Pom: 0.00
 Time / MD: 23:50 / 11,168.0 Pf / Mf: 1.1 / 1.7
 Density @ Temp: 9.30 / 105 Chlorides: 36,000
 Rheology Temp: 120 Ca+ / K+: 240 / 0
 Viscosity: 43.00 CaCl2: 0.00
 PV / YP: 14 / 15 Clom: 0.57
 Gels 10s/10m/30m: 6 / 10 / 13 Lime: 0.00
 API WL: 8.00 ES: 3.40
 HTHP WL: 0.00 ECD: 9.67
 Cake API / HTHP: 1.0 / .0 n / K: 0.00 / 0.000
 Solids / Sol Corr: 1.70 / 0.00 Carbonate: 22 ppm
 Oil / Water: 0.0 / 0.0 Bicarbonate: 0 ppm
 Sand: 0.10 Form Loss: 0.0 / 0.0
 Water Added: 200.0 bbl Fluid Disch: /
 Oil Added:
 LGS: 4.80 / 44.00

VG Meter: 5@3 / 6@6 / 16@100 / 23@200 / 29@300 / 43@600

Comments: BEGAN MUD UP TO STARCH/PAC/ASPHALT SYSTEM.
 PLAN TO CONTINUE DRILLING AHEAD AND MAKE PRODUCT
 ADDITIONS AS NECESSARY TO MAINTAIN SYSTEM
 CONCENTRATIONS.

LAST OR CURRENT BHA

BHA No: 2	Bit No: 2	MD In: 1860 ft		
Purpose: DRILL 8 3/4" PRODUCTION HOLE		MD Out:		
Component	OD	ID	Jts	Length
PDC BIT	8.750	2.500	1	1.00
POSITIVE DISPLACEMENT MOTOR	6.500	2.500	1	32.02
UNDERGAUGE INTEGRAL BLADE STABILIZ	6.500	3.375	1	6.37
SPIRAL DRILL COLLAR	6.500	2.937	1	30.85
UNDERGAUGE INTEGRAL BLADE STABILIZ	6.500	3.937	1	7.81
MWD TOOL	6.500	2.937	1	4.96
PONY DRILL COLLAR	6.437	2.875	1	7.28
SPIRAL DRILL COLLAR	6.437	2.938	9	274.94
CROSSOVER	6.500	2.938	1	3.05
HWDP	5.000	3.000	6	183.59
DRILLING JAR	6.500	3.000	1	31.77
HWDP	5.000	2.938	11	335.97
Total Length:		919.61 ft	Wt below Jars:	32.0 kip

MUD PRODUCTS

Product	Units	Qty Used
Air Comp Rent	Each	1.00
Asphasol Supreme	Bag, 50 lb	70.00
Caustic Soda	Bag, 50 lb	20.00
Drispac Plus S.L.	Bag, 50 lb	18.00
Engineering Service	Each	1.00
Federal Bentonite	Bag, 100 lb	2.00
Lignite	Bag, 50 lb	17.00
M-I Gel Bulk	Ton	7.00
My-Lo-Jel	Bag, 50 lb	80.00
Premix Pit Rental	each	1.00
Soda Ash	Bag, 50 lb	22.00

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
 USA

Date: 09/09/2012
 Report No: 13

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	2:00	2.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 8.75" PRODUCTION HOLE FROM 10,200' TO 10,304', 105' @ 52.5 FT/HR AVG ROP</p> <p>USING 550 GPM 1,898 PSI OFF BTM, 2,121' PSI ON BOTTOM. 100 RPM SURFACE + 88 MRPM = 188 BRPM'S, WOB 17-22 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 11 K TORQUE ON BOTTOM.</p> <p>CIRCULATING STEEL PITS</p> <p>MW IN 9.3 PPG MW OUT 9.3+ PPG VIS 38 PH 11</p> <p>PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED.</p> <p>02:00 HOURS SAFETY: DISCUSSED WEARING PROPER PPE WHILE MIXING MUD CHEMICALS.</p>
2:00	6:00	4.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 8.75" PRODUCTION HOLE FROM 10,304' TO 10,508', 204' @ 51 FT/HR AVG ROP</p> <p>USING 550 GPM 1,702 PSI OFF BTM, 1,951' PSI ON BOTTOM. 65 RPM SURFACE + 88 MRPM = 153 BRPM'S, WOB 17-25 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 11 K TORQUE ON BOTTOM.</p> <p>CIRCULATING STEEL PITS</p> <p>MW IN 9.3 PPG MW OUT 9.3+ PPG VIS 38 PH 11</p> <p>PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED.</p> <p>06:00 HOURS: CREW CHANGE</p>
6:00	10:00	4.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 8.75" PRODUCTION HOLE FROM 10,508' TO 10,684', 176' @ 44 FT/HR AVG ROP</p> <p>USING 550 GPM 1,734 PSI OFF BTM, 1,996' PSI ON BOTTOM. 65 RPM SURFACE + 88 MRPM = 153 BRPM'S, WOB 17-25 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 11 K TORQUE ON BOTTOM.</p> <p>CIRCULATING STEEL PITS</p> <p>MW IN 9.2 PPG MW OUT 9.2+ PPG VIS 40 PH 11</p> <p>PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED.</p>
10:00	12:00	2.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 8.75" PRODUCTION HOLE FROM 10,684' TO 10,764', 80' @ 40 FT/HR AVG ROP</p> <p>USING 550 GPM 1,841 PSI OFF BTM, 2,074' PSI ON BOTTOM. 55 RPM SURFACE + 88 MRPM = 143 BRPM'S, WOB 17-25 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 11 K TORQUE ON BOTTOM.</p> <p>CIRCULATING STEEL PITS</p> <p>MW IN 9.2 PPG MW OUT 9.2+ PPG VIS 40 PH 11</p> <p>PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED.</p>

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
 USA

Date: 09/09/2012
 Report No: 13

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
12:00	15:30	3.50	31PRDR	DRILL	MTRVER	P	<p>DRILL 8.75" PRODUCTION HOLE FROM 10764' TO 10,910', 146' @ 42 FT/HR AVG ROP</p> <p>USING 550 GPM 1,911 PSI OFF BTM, 2,120' PSI ON BOTTOM. 60 RPM SURFACE + 88 MRPM = 148 BRPM'S, WOB 17-25 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 11 K TORQUE ON BOTTOM.</p> <p>CIRCULATING STEEL PITS</p> <p>MW IN 9.3 PPG MW OUT 9.2+ PPG VIS 37 PH 10.5</p> <p>PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED.</p> <p>PERFORMED MAN DOWN DRILL AND BOPE DRILL GREAT RESPONSE TIME FOR RIG CREW.</p>
15:30	16:00	0.50	31PRDR	RIGMT	SRVRIG	P	RIG SERVICE/ LUBRICATE RIG
16:00	18:00	2.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 8.75" PRODUCTION HOLE FROM 10,910' TO 11,011', 101' @ 50.5 FT/HR AVG ROP</p> <p>USING 550 GPM 1,823 PSI OFF BTM, 2,011' PSI ON BOTTOM. 60 RPM SURFACE + 88 MRPM = 148 BRPM'S, WOB 17-25 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 11 K TORQUE ON BOTTOM.</p> <p>CIRCULATING STEEL PITS</p> <p>MW IN 9.2 PPG MW OUT 9.2+ PPG VIS 40 PH 10.5</p> <p>PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED.</p> <p>18:00 HOURS: CREW CHANGE.</p>
18:00	22:00	4.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 8.75" PRODUCTION HOLE FROM 11,011' TO 11,113', 102' @ 25.5 FT/HR AVG ROP</p> <p>USING 550 GPM 2,197 PSI OFF BTM, 2,618' PSI ON BOTTOM. 50 RPM SURFACE + 88 MRPM = 138 BRPM'S, WOB 17-25 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 11 K TORQUE ON BOTTOM.</p> <p>CIRCULATING STEEL PITS</p> <p>AT 11,000' BEGAN TO MUD SYSTEM UP TO A GEL/STARCH SYSTEM PER MI MUD PROGRAM.</p> <p>MW IN 9.2 PPG MW OUT 9.2+ PPG VIS 40 PH 10.5</p> <p>PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED.</p> <p>22:00 HOURS SAFETY: DISCUSSED STAYING FOCUS ON TASK AT HAND.</p>
22:00	0:00	2.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 8.75" PRODUCTION HOLE FROM 11,113' TO 11,172', 59' @ 29.5 FT/HR AVG ROP</p> <p>USING 500 GPM 1,762 PSI OFF BTM, 1,986' PSI ON BOTTOM. 65 RPM SURFACE + 88 MRPM = 153 BRPM'S, WOB 17-25 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 11 K TORQUE ON BOTTOM.</p> <p>CIRCULATING STEEL PITS</p> <p>AT 11,000' BEGAN TO MUD SYSTEM UP TO A GEL/STARCH SYSTEM PER MI MUD PROGRAM.</p> <p>MW IN 9.2 PPG MW OUT 9.2+ PPG VIS 40 PH 10.5</p> <p>PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED.</p>
Total Time		24.00					

Safety Incident? N Days since Last RI: 139.00

Environ Incident? N Days since Last LTA: 783.00

Incident Comments:

No incidents reported last 24 hours.

Weather Comments:

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
USA

Date: 09/09/2012
Report No: 13

Other Remarks: FROM THE INTERSECTION OF HIGHWAY 385 AND HIGHWAY 176 IN ANDREWS, TEXAS, DRIVE 2.1 MILES EAST ON HIGHWAY 176 TO INTERSECTION OF HIGHWAY 176 AND HIGHWAY 115. TURN LEFT (NORTHEAST) ON HIGHWAY 115. FROM INTERSECTION OF HIGHWAY 115 AND HIGHWAY 176, DRIVE 6.75 MILES NORTHEAST ON HIGHWAY 115 TO THE INTERSECTION OF FM 1788. TURN RIGHT (SOUTH) ON FM 1788 AND DRIVE 1.25 MILES, TURN RIGHT (WEST) ONTO LEASE ROAD. JUST INSIDE THE CATTLE GUARD, TURN LEFT (SOUTH) ON LEASE ROAD. DRIVE 0.25 MILES AND TURN RIGHT (WEST) ON LEASE ROAD. DRIVE 0.1 MILES TO UNIVERSITY CAITLIN #4.
LIFE FLIGHT COORDINATES: LAT 32°21' 47.60"N LONG: 102°24' 49.06"W NAD 27
OXY DSM TRAILER: 432-253-7317
DAY DSM CELL #: 432-813-9441
NIGHT DSM CELL #: 979-332-3431

NOTIFIED TRRC OF THE INTENT TO SPUD. SPOKE WITH KARINA, 8/30/2012, 09:00 HRS.

STOP CARDS: 20
SWA'S: 1
NEAR MISSES: 0

JSA'S: 17
SAFETY MEETINGS: 8
LO/TO'S: 0
PERMITS TO WORK: 0
POWER LINE CHECKLISTS: 8/27/12
PRE SPUD/RIG INSPECTIONS: 1- 8/31/12

STOP CARD: OBSERVED EMPLOYEE WALKING IN BUFFER ZONE OF FORKLIFT WHILE IT WAS IN OPERATION.
STOPPED HIM ASKED HIM TO STEP BACK TO SAFE POSITION AND EXPLAIN DANGERS AND POLICY HE UNDERSTOOD
JOB CONTINUE WITHOUT INCIDENT.

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
 USA

Date: 09/10/2012
 Report No: 14

Wellbore / Top MD: 00 @ 0 ft Rig: H&P 393 Ref Datum: Original KB @3,101.20ft DFS: 10.60
 Today's MD: 12,097 ft Progress: 925 ft Ground Elev: 3,076.20 ft Daily Cost: \$58,929
 Prev MD: 11,172 ft Rot Hrs Today: 22.50 hr AFE MD/Days: 12,100.0 / 17.7 days Cum Cost: \$1,286,884
 PBMD: Avg ROP Today: 41.1 ft/hr AFE Number: 1141016#0102 AFE Cost: \$1,620,905
 Current Formation: L ATOKA@11,715.0 Lithology:

Current Ops:
 24-Hr Summary: DRILL 8 3/4" PRODUCTION HOLE F/ 10,200' T/ 12,097' T.D. DUMP AND DILUTE AS NEEDED TO MAINTAIN MW,CIRCULATE CONDITION MUE
 24-Hr Forecast: (RR 9/13/2012)(ROL 9/15/2012) FINISH TRIPPING OUT HOLE, RIG UP CRT, RUN 5 1/2" PRODUCTION CASING. CEMENT AS PER PROG.

CASING/WELL CONTROL	HOOKLOAD & TORQUE	HYDRAULICS	MUD GAS	Avg	Max
Last Casing: 9.625in @ 1,860ft	Str Wt Up/Dn: 337.0/ 302.0 kip	Pump Rate: 590.9	Conn:	0	0
Next Casing: 5.500in @ 12,100ft	Str Wt Rot: 320.0 kip	Pump Press: 2839	Trip:	0	0
Last BOP Press Test: 09/02/2012	Torq Off Btm: 4,000.0 ft-lbf		Backgr:	20	55
Form Test/EMW: FIT / 12.50 ppg	Torq On Btm: 9,800.0 ft-lbf				

PERSONNEL	SURVEY DATA (LAST 6)								
Supervisor 1: TRAVIS OTTO	MD	Incl	Azi	TVD	N-S	E-W	VS	DLS	Build
Supervisor 2: BRAD WIED	11,964.0	0.40	0.00	11,961.10	198.0	0.0	198.0	0.00	0.00
Engineer: DANIEL COOK	11,775.0	0.40	0.00	11,772.10	196.7	0.0	196.7	0.21	-0.21
Geologist:	11,587.0	0.80	0.00	11,584.11	194.7	0.0	194.7	0.57	0.57
Oxy Personnel: 2	11,482.0	0.20	0.00	11,479.12	193.8	0.0	193.8	0.11	-0.11
Contractor Personnel: 13	11,304.0	0.40	0.00	11,301.12	192.9	0.0	192.9	0.18	-0.18
Total on Site: 15	11,022.0	0.90	0.00	11,019.14	189.7	0.0	189.7	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
2	8.750	BAKER	DP606X	7141823	M225	6x16	1860		--	--

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	22.50	178.00	925	10,237	41.1	57.5	10.0/28.0	50/90	1.178	220	163.4	1.3

MUD DATA - M-I SWACO			LAST OR CURRENT BHA								
Engineer: John Kruczek	MBT:	15.0 lbm/bbl	BHA No: 2	Bit No: 2	MD In:	1860 ft					
Sample From: In	pH:	10.5	Purpose: DRILL 8 3/4" PRODUCTION HOLE			MD Out:					
Mud Type: Freshwater/Gel	Pm / Pom:	0.00	Component		OD	ID				Jts	Length
Time / MD: 19:03 / 11,910.0	Pf / Mf:	1.2 / 2.4	PDC BIT		8.750	2.500				1	1.00
Density @ Temp: 9.30 / 110	Chlorides:	37,000	POSITIVE DISPLACEMENT MOTOR		6.500	2.500				1	32.02
Rheology Temp: 120	Ca+ / K+:	280 / 0	UNDERGAUGE INTEGRAL BLADE STABILIZ		6.500	3.375				1	6.37
Viscosity: 46.00	CaCl2:	0.00	SPIRAL DRILL COLLAR		6.500	2.937				1	30.85
PV / YP: 15 / 10	Clom:	0.68	UNDERGAUGE INTEGRAL BLADE STABILIZ		6.500	3.937				1	7.81
Gels 10s/10m/30m: 9 / 13 / 16	Lime:	0.00	MWD TOOL		6.500	2.937				1	4.96
API WL: 8.00	ES:	3.80	PONY DRILL COLLAR		6.437	2.875				1	7.28
HTHP WL: 0.00	ECD:	9.81	SPIRAL DRILL COLLAR		6.437	2.938				9	274.94
Cake API / HTHP: 1.0 / .0	n / K:	0.00 / 0.000	CROSSOVER		6.500	2.938				1	3.05
Solids / Sol Corr: 1.80 / 0.00	Carbonate:	24 ppm	HWDP		5.000	3.000				6	183.59
Oil / Water: 0.0 / 0.0	Bicarbonate:	0 ppm	DRILLING JAR		6.500	3.000				1	31.77
Sand: 0.10	Form Loss:	0.0 / 0.0	HWDP		5.000	2.938				11	335.97
Water Added: 56.0 bbl	Fluid Disch:	/									
Oil Added:											
LGS: 4.80 / 43.40											
VG Meter: 9@3 / 10@6 / 21@100 / 23@200 / 25@300 / 40@600			Total Length:		919.61 ft	Wt below Jars:				32.0 kip	
Comments: MADE MINOR ADDITIONS OF STARCH/PAC/ASPHALT TO ACTIVE SYSTEM. CONTINUED TREATING WITH CAUSTIC AND SODA ASH. ONCE AT TD PUMPED HIGH-VIS SWEEP AND CIRCULATED. PLAN TO PUMP SLUG AND TOOH.											

MUD PRODUCTS		
Product	Units	Qty Used
Air Comp Rent	Each	1.00
Asphasol Supreme	Bag, 50 lb	10.00
Caustic Soda	Bag, 50 lb	21.00
Defoam A	Can, 5 gal	10.00
Drispac Plus S.L.	Bag, 50 lb	17.00
Engineering Service	Each	1.00
Lignite	Bag, 50 lb	8.00
M-I Gel Bulk	Ton	6.00
Mi-Wate (Barite)	100 lb/sack	40.00
Myacide GA25	Can, 5 gal	4.00
My-Lo-Jel	Bag, 50 lb	10.00
Poly-Plus	Can, 5 gal	2.00

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
 USA

Date: 09/10/2012
 Report No: 14

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	2:00	2.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 8.75" PRODUCTION HOLE FROM 11,172' TO 11,241', 69' @ 34.5 FT/HR AVG ROP</p> <p>USING 500 GPM 1,811 PSI OFF BTM, 2,004' PSI ON BOTTOM. 80 RPM SURFACE + 88 MRPM = 168 BRPM'S, WOB 17-25 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 11 K TORQUE ON BOTTOM.</p> <p>CIRCULATING STEEL PITS</p> <p>AT 11,000' BEGAN TO MUD SYSTEM UP TO A GEL/STARCH SYSTEM PER MI MUD PROGRAM.</p> <p>MW IN 9.3 PPG MW OUT 9.3+ PPG VIS 46 PH 10</p> <p>PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED.</p> <p>02:00 HOURS SAFETY: DISCUSSED BEST STOP CARD.</p>
2:00	6:00	4.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 8.75" PRODUCTION HOLE FROM 11,241' TO 11,387', 146' @ 36.5 FT/HR AVG ROP</p> <p>USING 500 GPM 1,868 PSI OFF BTM, 2,408' PSI ON BOTTOM. 70 RPM SURFACE + 88 MRPM = 158 BRPM'S, WOB 17-25 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 11 K TORQUE ON BOTTOM.</p> <p>CIRCULATING STEEL PITS</p> <p>MW IN 9.3 PPG MW OUT 9.3+ PPG VIS 45 PH 10.5</p> <p>PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED.</p> <p>06:00 HOURS: CREW CHANGE</p>
6:00	10:00	4.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 8.75" PRODUCTION HOLE FROM 11,387' TO 11,479', 92' @ 23 FT/HR AVG ROP</p> <p>USING 575 GPM 2,188 PSI OFF BTM, 2,467' PSI ON BOTTOM. 50 RPM SURFACE + 92 MRPM = 142 BRPM'S, WOB 17-25 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 11 K TORQUE ON BOTTOM.</p> <p>CIRCULATING STEEL PITS</p> <p>MW IN 9.2 PPG MW OUT 9.1 PPG VIS 45 PH 10.5</p> <p>PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED.</p>
10:00	12:00	2.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 8.75" PRODUCTION HOLE FROM 11,479' TO 11,535', 56' @ 28 FT/HR AVG ROP</p> <p>USING 575 GPM 2,177 PSI OFF BTM, 2,479' PSI ON BOTTOM. 65 RPM SURFACE + 92 MRPM = 157 BRPM'S, WOB 17-25 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 11 K TORQUE ON BOTTOM.</p> <p>CIRCULATING STEEL PITS</p> <p>MW IN 9.3 PPG MW OUT 9.2 PPG VIS 43 PH 10.5</p> <p>PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED</p> <p>10:00 HOURS SAFETY: DISCUSSED FORKLIFT OPERATIONS.</p>

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
 USA

Date: 09/10/2012
 Report No: 14

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
12:00	16:00	4.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 8.75" PRODUCTION HOLE FROM 11,535' TO 11,764', 229' @ 57.25 FT/HR AVG ROP</p> <p>USING 575 GPM 2,433 PSI OFF BTM, 2,716' PSI ON BOTTOM. 75 RPM SURFACE + 92 MRPM = 167 BRPM'S, WOB 17-25 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 11 K TORQUE ON BOTTOM.</p> <p>CIRCULATING STEEL PITS</p> <p>MW IN 9.3 PPG MW OUT 9.2 PPG VIS 47 PH 10.5</p> <p>PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED.</p> <p>16:00 HOURS SAFETY: DISCUSSED WELL CONTROL WHEN P.O.O.H H2s EVACUATION.</p>
16:00	16:30	0.50	31PRDR	RIGMT	SRVRIG	P	RIG SERVICE/ LUBRICATE RIG
16:30	18:00	1.50	31PRDR	DRILL	MTRVER	P	<p>DRILL 8.75" PRODUCTION HOLE FROM 11,764' TO 11,858', 94' @ 62.6 FT/HR AVG ROP</p> <p>USING 600 GPM 2,513 PSI OFF BTM, 2,712' PSI ON BOTTOM. 70 RPM SURFACE + 96 MRPM = 166 BRPM'S, WOB 17-25 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 11 K TORQUE ON BOTTOM.</p> <p>CIRCULATING STEEL PITS</p> <p>MW IN 9.2 PPG MW OUT 9.2 PPG VIS 44 PH 10.5</p> <p>PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED</p> <p>18:00 HOURS: CREW CHANGE</p>
18:00	23:00	5.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 8.75" PRODUCTION HOLE FROM 11,858' TO 12,097', 239' @ 47.8 FT/HR AVG ROP</p> <p>USING 600 GPM 2,600 PSI OFF BTM, 2,839' PSI ON BOTTOM. 75 RPM SURFACE + 96 MRPM = 171 BRPM'S, WOB 17-25 K 2 - 3 K TORQUE OFF BOTTOM, 4 - 11 K TORQUE ON BOTTOM.</p> <p>CIRCULATING STEEL PITS</p> <p>MW IN 9.1+ PPG MW OUT 9.2 PPG VIS 45 PH 11</p> <p>PUMPING HIGH VIS SWEEPS (50-60 VIS FRESH GEL) EVERY 100' OR AS NEEDED</p> <p>22:00 HOURS SAFETY: DISCUSSED GOOD COMMUNICATIONS BETWEEN EACH OTHER UNDERSTANDING THE TASK.</p>
23:00	0:00	1.00	31PRDR	CIRC	CNDHOL	P	PUMP HI-VIS SWEEP CIRCULATE TWO BOTTOMS UP AND CONDITION MUD.
Total Time		24.00					

Safety Incident?	N	Days since Last RI:	140.00	Weather Comments:
Environ Incident?	N	Days since Last LTA:	784.00	
Incident Comments: No incidents reported last 24 hours.				

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
USA

Date: 09/10/2012
Report No: 14

Other Remarks:

FROM THE INTERSECTION OF HIGHWAY 385 AND HIGHWAY 176 IN ANDREWS, TEXAS, DRIVE 2.1 MILES EAST ON HIGHWAY 176 TO INTERSECTION OF HIGHWAY 176 AND HIGHWAY 115. TURN LEFT (NORTHEAST) ON HIGHWAY 115. FROM INTERSECTION OF HIGHWAY 115 AND HIGHWAY 176, DRIVE 6.75 MILES NORTHEAST ON HIGHWAY 115 TO THE INTERSECTION OF FM 1788. TURN RIGHT (SOUTH) ON FM 1788 AND DRIVE 1.25 MILES, TURN RIGHT (WEST) ONTO LEASE ROAD. JUST INSIDE THE CATTLE GUARD, TURN LEFT (SOUTH) ON LEASE ROAD. DRIVE 0.25 MILES AND TURN RIGHT (WEST) ON LEASE ROAD. DRIVE 0.1 MILES TO UNIVERSITY CAITLIN #4.
LIFE FLIGHT COORDINATES: LAT 32°21' 47.60"N LONG: 102°24' 49.06"W NAD 27
OXY DSM TRAILER: 432-253-7317
DAY DSM CELL #: 432-813-9441
NIGHT DSM CELL #: 979-332-3431

NOTIFIED TRRC OF THE INTENT TO SPUD. SPOKE WITH KARINA, 8/30/2012, 09:00 HRS.

STOP CARDS: 20
SWA'S: 0
NEAR MISSES: 0

JSA'S: 18
SAFETY MEETINGS: 8
LO/TO'S: 0
PERMITS TO WORK: 0
POWER LINE CHECKLISTS: 8/27/12
PRE SPUD/RIG INSPECTIONS: 1- 8/31/12
HAZARD ID'S: 0

STOP CARD: OBSERVED EMPLOYEE MIXING MUD CHEMICALS WITHOUT WEARING PROPER PPE. STOPPED HIM EXPLAIN THE DANGERS AND POLICY HE AGREED JOB CONTINUE WITHOUT INCIDENT.

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
 USA

Date: 09/11/2012
 Report No: 15

Wellbore / Top MD: 00 @ 0 ft Rig: H&P 393 Ref Datum: Original KB @3,101.20ft DFS: 11.60
 Today's MD: 12,097 ft Progress: 0 ft Ground Elev: 3,076.20 ft Daily Cost: \$47,631
 Prev MD: 12,097 ft Rot Hrs Today: 0.00 hr AFE MD/Days: 12,100.0 / 17.7 days Cum Cost: \$1,334,515
 PBMD: Avg ROP Today: 0.0 ft/hr AFE Number: 1141016#0102 AFE Cost: \$1,620,905

Current Formation: L ATOKA@11,715.0

Lithology:

Current Ops:

24-Hr Summary: FLOW CHECK,PUMP SLUG, TRIP OUT OF HOLE FROM '12,097' TO '919'. LAY DWN BHA, CLEAN RIG FLOOR. PJSM WITH CREW,CRT TECH'

24-Hr Forecast: (RR 9/13/2012)(ROL 9/15/2012) RUN 5 1/2" PRODUCTION CASING, CEMENT AS PER PROG.

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS	Avg	Max
Last Casing:	9.625in @ 1,860ft	Str Wt Up/Dn:	/	Pump Rate:	0.0	Conn:	0	0
Next Casing:	5.500in @ 12,100ft	Str Wt Rot:		Pump Press:	0.00	Trip:	0	0
Last BOP Press Test:	09/02/2012	Torq Off Btm:				Backgr:	0	0
Form Test/EMW:	FIT / 12.50 ppg	Torq On Btm:						

PERSONNEL		SURVEY DATA (LAST 6)							
Supervisor 1:	TRAVIS OTTO	MD	Incl	Azi	TVD	N-S	E-W	VS	DLS
Supervisor 2:	BRAD WIED	11,964.0	0.40	0.00	11,961.10	198.0	0.0	198.0	0.00
Engineer:	DANIEL COOK	11,775.0	0.40	0.00	11,772.10	196.7	0.0	196.7	0.21
Geologist:		11,587.0	0.80	0.00	11,584.11	194.7	0.0	194.7	0.57
Oxy Personnel:	2	11,482.0	0.20	0.00	11,479.12	193.8	0.0	193.8	0.11
Contractor Personnel:	18	11,304.0	0.40	0.00	11,301.12	192.9	0.0	192.9	0.18
Total on Site:	20	11,022.0	0.90	0.00	11,019.14	189.7	0.0	189.7	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
2	8.750	BAKER	DP606X	7141823	M225	6x16	1860	12,097	1-3-CT-S	D-I-WT-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
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MUD DATA - M-I SWACO

Engineer: Brandon Smith MBT: 15.0 lbm/bbl
 Sample From: In pH: 10.5
 Mud Type: Freshwater/Gel Pm / Pom: 0.00
 Time / MD: 18:40 / 11,910.0 Pf / Mf: 1.2 / 2.4
 Density @ Temp: 9.30 / 110 Chlorides: 37,000
 Rheology Temp: 120 Ca+ / K+: 280 / 0
 Viscosity: 46.00 CaCl2: 0.00
 PV / YP: 15 / 10 Clom: 0.00
 Gels 10s/10m/30m: 9 / 13 / 16 Lime: 0.00
 API WL: 8.00 ES: 0.00
 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: 24 ppm
 Oil / Water: 0.0 / 95.0 Bicarbonate: 0 ppm
 Sand: 0.10 Form Loss: 0.0 / 0.0
 Water Added: 0.0 bbl Fluid Disch: /
 Oil Added:
 LGS: 4.80 / 43.40

VG Meter: 9@3 / 10@6 / 21@100 / 23@200 / 25@300 / 40@600

Comments: 0

LAST OR CURRENT BHA

BHA No: 2 Bit No: 2 MD In: 1860 ft
 Purpose: DRILL 8 3/4" PRODUCTION HOLE MD Out: 12,097 ft

Component	OD	ID	Jts	Length
PDC BIT	8.750	2.500	1	1.00
POSITIVE DISPLACEMENT MOTOR	6.500	2.500	1	32.02
UNDERGAUGE INTEGRAL BLADE STABILIZER	6.500	3.375	1	6.37
SPIRAL DRILL COLLAR	6.500	2.937	1	30.85
UNDERGAUGE INTEGRAL BLADE STABILIZER	6.500	3.937	1	7.81
MWD TOOL	6.500	2.937	1	4.96
PONY DRILL COLLAR	6.437	2.875	1	7.28
SPIRAL DRILL COLLAR	6.437	2.938	9	274.94
CROSSOVER	6.500	2.938	1	3.05
HWDP	5.000	3.000	6	183.59
DRILLING JAR	6.500	3.000	1	31.77
HWDP	5.000	2.938	11	335.97

Total Length: 919.61 ft Wt below Jars: 32.0 kip

MUD PRODUCTS

Product	Units	Qty Used
Air Comp Rent	Each	1.00
Engineering Service	Each	1.00
Mi-Wate (Barite)	100 lb/sack	40.00
Premix Pit Rental	each	1.00

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
 USA

Date: 09/11/2012
 Report No: 15

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	2:00	2.00	31PRDR	CIRC	CNDHOL	P	CONTINUE CIRCULATING TWO BOTTOMS UP AND CONDITION MUD LOWERING VISCOSITY PRIOR TO PULLING OUT OF HOLE. NOTE: MADE SPERSENE ADDITION TO MUD TO REDUCE YP AND VISCOSITY PRIOR TO TRIP. MI MUD ENGINEER RAN CHECK TO CONFIRM.
2:00	2:30	0.50	31PRDR	OTHR	OTHER	P	FLOW CHECK (NO FLOW) PUMP SLUG 02:00 HOURS SAFETY: DISCUSSED LAYING DOWN DRILL PIPE AND PINCH POINTS.
2:30	6:00	3.50	31PRDR	TRIP	PULD	P	RACK 10 STDS IN DERRICK AND START LAYING DOWN 5" DRILL PIPE FROM 12,097' TO 9,000'. MONITORING FILL-UPS ON TRIP TANK - WELL TAKING PROPER FILL HAD NO ISSUES COMING OFF BOTTOM. 06:00 HOURS: CREW CHANGE
6:00	7:00	1.00	31PRDR	TRIP	PULD	P	CONTINUE TRIPPING OUT HOLE FROM 9,000' TO 8,200' MONITORING FILL-UPS ON TRIP TANK - WELL TAKING PROPER FILL
7:00	7:30	0.50	31PRDR	RIGMT	REP	PT	REPLACE HOSE ON ST-80
7:30	9:30	2.00	31PRDR	TRIP	PULD	P	CONTINUE TRIPPING OUT HOLE FROM 8,200' TO 6,445' MONITORING FILL-UPS ON TRIP TANK - WELL TAKING PROPER FILL
9:30	10:00	0.50	31PRDR	RIGMT	SRVRIG	P	SERVICE RIG
10:00	13:00	3.00	31PRDR	TRIP	PULD	P	CONTINUE TRIPPING OUT HOLE FROM 8,200' TO 3,172' MONITORING FILL-UPS ON TRIP TANK - WELL TAKING PROPER FILL NOTIFY TRRC @ 10:30 OF UPCOMING CEMENT JOB CONTACT: ALEXIS
13:00	16:00	3.00	31PRDR	TRIP	PULD	P	CONTINUE TRIPPING OUT HOLE FROM 3,172' TO 1,765' MONITORING FILL-UPS ON TRIP TANK - WELL TAKING PROPER FILL (BACKREAMING TIGHTSPOT @ 3,000', 2,880', 2,790', AND 2,330')
16:00	16:30	0.50	31PRDR	OTHR	OTHER	P	REMOVE ROTATING HEAD RUBBER AND INSTALL TRIP NIPPLE FLOW CHECK (NO FLOW)
16:30	17:30	1.00	31PRDR	TRIP	PULD	P	CONTINUE TRIPPING OUT HOLE FROM 1,765' TO 919' MONITORING FILL-UPS ON TRIP TANK - WELL TAKING PROPER FILL
17:30	19:00	1.50	31PRDR	TRIP	PULD	P	LAY DOWN 10 STANDS FROM DERRICK
19:00	23:00	4.00	31PRDR	TRIP	BHA	P	LAY DOWN BHA FROM 919' TO 0' BREAK BIT FROM MUD MOTOR. 22:00 HOURS SAFETY: DISCUSSED HAND PLACEMENTS WHILE LAYING DOWN BHA.
23:00	23:30	0.50	31PRDR	OTHR	OTHER	P	PULL WEAR BUSHING AND CLEAN RIG FLOOR.
23:30	0:00	0.50	31PRDR	SAFE	PJSM	P	PJSM WITH RIG CREW, RIG MANAGER, H&P CRT TECH, AND DSM REVIEWED JSA ON RIGGING UP CRT AND RUNNING CASING.

Total Time 24.00

Safety Incident? N Days since Last RI: 141.00 Weather Comments:
 Environ Incident? N Days since Last LTA: 785.00
 Incident Comments:
 No incidents reported last 24 hours.

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
USA

Date: 09/11/2012
Report No: 15

Other Remarks:

FROM THE INTERSECTION OF HIGHWAY 385 AND HIGHWAY 176 IN ANDREWS, TEXAS, DRIVE 2.1 MILES EAST ON HIGHWAY 176 TO INTERSECTION OF HIGHWAY 176 AND HIGHWAY 115. TURN LEFT (NORTHEAST) ON HIGHWAY 115. FROM INTERSECTION OF HIGHWAY 115 AND HIGHWAY 176, DRIVE 6.75 MILES NORTHEAST ON HIGHWAY 115 TO THE INTERSECTION OF FM 1788. TURN RIGHT (SOUTH) ON FM 1788 AND DRIVE 1.25 MILES, TURN RIGHT (WEST) ONTO LEASE ROAD. JUST INSIDE THE CATTLE GUARD, TURN LEFT (SOUTH) ON LEASE ROAD. DRIVE 0.25 MILES AND TURN RIGHT (WEST) ON LEASE ROAD. DRIVE 0.1 MILES TO UNIVERSITY CAITLIN #4.
LIFE FLIGHT COORDINATES: LAT 32°21' 47.60"N LONG: 102°24' 49.06"W NAD 27
OXY DSM TRAILER: 432-253-7317
DAY DSM CELL #: 432-813-9441
NIGHT DSM CELL #: 979-332-3431

NOTIFIED TRRC OF THE INTENT TO SPUD. SPOKE WITH KARINA, 8/30/2012, 09:00 HRS.

STOP CARDS: 20
SWA'S: 1
NEAR MISSES: 0

JSA'S: 21
SAFETY MEETINGS: 7
LO/TO'S: 0
PERMITS TO WORK: 0
POWER LINE CHECKLISTS: 8/27/12
PRE SPUD/RIG INSPECTIONS: 1- 8/31/12
HAZARD ID'S: 0

STOP CARD: OBSERVE THIRD PARTY EMPLOYEE WORKING ON RIG FLOOR WITHOUT SAFETY GLASSES ON.
STOPPED HIM EXPLAIN THE DANGERS AND POLICY HE UNDERSTOOD PUT THEM ON JOB CONTINUE WITHOUT INCIDENT.

DAILY OPERATIONS PARTNER REPORT

Date: 09/12/2012
Report No: 16

[illegible]

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
 USA

Date: 09/12/2012
 Report No: 16

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	4:00	4.00	31PRDR	CSG	RIGUP	P	CHANGE OUT SAVOR SUB ON TOP DRIVE. RIG UP H&P CRT, AND CASING ELEVATORS. 02:00 HOURS SAFETY: DISCUSSED STAYING FOCUS ON LAST DAY BEFORE DAYS OFF.
4:00	6:00	2.00	31PRRC	CSG	RUNCSG	P	MAKE UP SHOE TRACK AND PUMP THROUGH. VERIFY FLOW (OK) DSM WITNESS. TIH WITH CASING FROM 0' TO 1,011'. RUN 5 1/2" PRODUCTION CASING AS FOLLOWS: 1 - WEATHERFORD MODEL 303A FLOAT SHOE - THREAD LOCKED FROM 12,097' TO 12095.61' 2 - SHOE JOINTS 5½", 17 #/FT, L80, LTC - THREAD LOCKED FROM 12,095.61' TO 12010.21' 1 - WEATHERFORD FLOAT COLLAR, MODEL 402A - THREAD LOCKED FROM 12010.21' TO 12009.19' 84 - JOINTS 5½", 17 #/FT, L80, LTC CASING FROM 12,009.19' TO 8,473.07' 1 - FLAG JOINT 5½", 17 #/FT, L80, LTC CASING FROM 8,473.07' TO 8,455.68' 35 - JOINTS 5½", 17 #/FT, L80, LTC CASING FROM 8,455.68' TO 6,996.08' 48 - JOINTS 5½" 17 #/FT, L-80, LTC RYT WRAPPED CASING FROM 6,996.08' TO 4,960.48 119 - JOINTS 5½", 17 #/FT, L80, LTC CASING FROM 4,960.48' TO SURFACE WITH 6' STICK UP. 1 BOW SPRING 10' ABOVE SHOE BETWEEN STOP COLLARS 1 BOW SPRING ON COUPLING ~40' ABOVE SHOE 1 BOW SPRING ABOVE FLOAT COLLAR (~90' ABOVE SHOE. 1 BOW SPRING EVERY 2 JOINTS UP TO 7,000' 1 BOW SPRING EVERY 3 JOINTS FROM 7,000' TO 5,000' 06:00 HOURS: CREW CHANGE
6:00	13:30	7.50	31PRRC	CSG	RUNCSG	P	RUN 5 1/2" 17# L80 LTC PRODUCTION CASING IN HOLE FROM 1,011' TO 5,100'. FILLING UP PIPE ON THE FLY CHECK EVERY 30 JOINTS. WELL GIVING BACK PROPER DISPLACEMENT.
13:30	18:00	4.50	31PRRC	CSG	RIGUP	P	RUN 5 1/2" 17# L80 LTC PRODUCTION CASING IN HOLE FROM 5,100' TO 7,226'. WELL GIVING BACK PROPER DISPLACEMENT. CHANGE OUT CASING ELEVATORS TO RUN RYT- WRAP CASING AND BREAK CIRCULATION. 18:00 HOURS: CREW CHANGE
18:00	22:00	4.00	31PRRC	CSG	RUNCSG	P	RUN 5 1/2" 17# L80 LTC PRODUCTION CASING IN HOLE FROM 7,226' TO 9,919'. WELL GIVING BACK PROPER DISPLACEMENT. 22:00 HOURS SAFETY: DISCUSSED FIRST DAY BACK TO WORK STAYING FOCUS.
22:00	0:00	2.00	31PRRC	CSG	RUNCSG	P	RUN 5 1/2" 17# L80 LTC PRODUCTION CASING IN HOLE FROM 9,919' TO 11,220'. WELL GIVING BACK PROPER DISPLACEMENT.
Total Time		24.00					

Safety Incident?	N	Days since Last Ri:	142.00	Weather Comments:
Environ Incident?	N	Days since Last LTA:	786.00	
Incident Comments: No incidents reported last 24 hours.				

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
USA

Date: 09/12/2012
Report No: 16

Other Remarks:

FROM THE INTERSECTION OF HIGHWAY 385 AND HIGHWAY 176 IN ANDREWS, TEXAS, DRIVE 2.1 MILES EAST ON HIGHWAY 176 TO INTERSECTION OF HIGHWAY 176 AND HIGHWAY 115. TURN LEFT (NORTHEAST) ON HIGHWAY 115. FROM INTERSECTION OF HIGHWAY 115 AND HIGHWAY 176, DRIVE 6.75 MILES NORTHEAST ON HIGHWAY 115 TO THE INTERSECTION OF FM 1788. TURN RIGHT (SOUTH) ON FM 1788 AND DRIVE 1.25 MILES, TURN RIGHT (WEST) ONTO LEASE ROAD. JUST INSIDE THE CATTLE GUARD, TURN LEFT (SOUTH) ON LEASE ROAD. DRIVE 0.25 MILES AND TURN RIGHT (WEST) ON LEASE ROAD. DRIVE 0.1 MILES TO UNIVERSITY CAITLIN #4.
LIFE FLIGHT COORDINATES: LAT 32°21' 47.60"N LONG: 102°24' 49.06"W NAD 27
OXY DSM TRAILER: 432-253-7317
DAY DSM CELL #: 432-813-9441
NIGHT DSM CELL #: 979-332-3431

NOTIFIED TRRC OF THE INTENT TO SPUD. SPOKE WITH KARINA, 8/30/2012, 09:00 HRS.

STOP CARDS: 20
SWA'S: 3
NEAR MISSES: 0

JSA'S: 14
SAFETY MEETINGS: 7
LO/TO'S: 0
PERMITS TO WORK: 0
POWER LINE CHECKLISTS: 8/27/12
PRE SPUD/RIG INSPECTIONS: 1- 8/31/12
HAZARD ID'S: 0
EP2 OBSERVATIONS: 0

STOP CARD: OBSERVE THIRD PARTY EMPLOYEE SMOKING NEXT TO HIS VEHICLE NOT IN DESIGNATED SMOKING AREA. STOPPED HIM EXPLAIN POLICY HE UNDERSTOOD AND WENT TO DESIGNATED SMOKING AREA.

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
 USA

Date: 09/13/2012
 Report No: 17

Wellbore / Top MD: 00 @ 0 ft Rig: H&P 393 Ref Datum: Original KB @3,101.20ft DFS: 13.35
 Today's MD: 12,097 ft Progress: 0 ft Ground Elev: 3,076.20 ft Daily Cost: \$330,672
 Prev MD: 12,097 ft Rot Hrs Today: 0.00 hr AFE MD/Days: 12,100.0 / 17.7 days Cum Cost: \$1,623,121
 PBMD: Avg ROP Today: 0.0 ft/hr AFE Number: 1141016#0102 AFE Cost: \$1,620,905

Current Formation: L ATOKA@11,715.0

Lithology:

Current Ops:

24-Hr Summary: F/RUNNING 5 1/2" CSG, RIG UP HALCO, CMT,R/D HALCO, N/D, LIFT BOPE, SET SLIPS, CUT OFF. DRESS CSG, R/U TBG WELLHEAD, TEST

24-Hr Forecast: (RR 9/13/2012)(ROL 9/15/2012) RIG DOWN AND MOVE TO UNIVERSITY CHLOE #9.

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS	Avg	Max
Last Casing:	9.625in @ 1,860ft	Str Wt Up/Dn:	/	Pump Rate:	0.0	Conn:	0	0
Next Casing:	5.500in @ 12,100ft	Str Wt Rot:		Pump Press:	0	Trip:	0	0
Last BOP Press Test:	09/02/2012	Torq Off Btm:				Backgr:	0	0
Form Test/EMW:	FIT / 12.50 ppg	Torq On Btm:						

PERSONNEL		SURVEY DATA (LAST 6)							
Supervisor 1:	TRAVIS OTTO	MD	Incl	Azi	TVD	N-S	E-W	VS	DLS
Supervisor 2:	BRAD WIED	11,964.0	0.40	0.00	11,961.10	198.0	0.0	198.0	0.00
Engineer:	DANIEL COOK	11,775.0	0.40	0.00	11,772.10	196.7	0.0	196.7	0.21
Geologist:		11,587.0	0.80	0.00	11,584.11	194.7	0.0	194.7	0.57
Oxy Personnel:	2	11,482.0	0.20	0.00	11,479.12	193.8	0.0	193.8	0.11
Contractor Personnel:	26	11,304.0	0.40	0.00	11,301.12	192.9	0.0	192.9	0.18
Total on Site:	28	11,022.0	0.90	0.00	11,019.14	189.7	0.0	189.7	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
									--	--

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
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MUD DATA - M-I 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: 12:00 / 87.0 Pf / Mf: 0.1 / 0.3
 Density @ Temp: 8.40 / 80 Chlorides: 200
 Rheology Temp: 120 Ca+ / K+: 280 / 0
 Viscosity: 26.00 CaCl2: 0.00
 PV / YP: 1 / 1 Clom: 0.00
 Gels 10s/10m/30m: 1 / 1 / 1 Lime: 0.00
 API WL: 45.00 ES: 0.00
 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: 0.0 / 99.0 Bicarbonate: 0 ppm
 Sand: 0.00 Form Loss: 0.0 / 0.0
 Water Added: 0.0 bbl Fluid Disch: /
 Oil Added: 0.0 bbl
 LGS: 0.50 / 4.60

VG Meter: 1@3 / 1@6 / 1@100 / 1@200 / 2@300 / 3@600

Comments: **Active-Once rig up is complete and pits can hold fluid; fill pits up with FW to spud well. Add MF-55 at the flowline every 2-4 hours to drop solids out. Add 1-2 soap sticks in DP at connection. Alternate sweeps with 2 quarts Poly-Plus at the stump.**Premix-Fill with FW and mix 4 sx

MUD PRODUCTS

Product	Units	Qty Used
Air Comp Rent	Each	1.00
Engineering Service	Each	1.00
Premix Pit Rental	each	1.00

LAST OR CURRENT BHA

Component	OD	ID	Jts	Length
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OXY USA INC
DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
USA

Date: 09/13/2012
Report No: 17

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	1:30	1.50	31PRRC	CSG	RUNCSG	P	RUN 5 1/2" 17# L80 LTC PRODUCTION CASING IN HOLE FROM 11,220' TO 12,097'. NOTE: HAD NO PROBLEMS GETTING TO BOTTOM WITH CASING. WELL GIVING BACK PROPER DISPLACEMENT.
1:30	4:00	2.50	31PRRC	CIRC	CNDHOL	P	CIRCULATE BOTTOMS UP (REVIEWED JSA WITH HALLIBURTON ON RIGGING UP CEMENTERS) MAX BOTTOM'S UP GAS 609 UNITS
4:00	4:30	0.50	31PRRC	SAFE	PJSM	P	PJSM WITH RIG CREW, HALLIBURTON CEMENTERS, AND OXY DSM.
4:30	5:00	0.50	31PRRC	CMT	RIGUP	P	RIG UP CEMENTING EQUIPMENT AND LINES
5:00	8:00	3.00	31PRRC	CMT	PRIM	P	PERFORM CEMENT JOB ON PRODUCTION CASING 5.5" 17# L80 LTC AS FOLLOWS: TEST CEMENT LINES TO 5,000 PSI LINES HELD. 20 BBLS OF 8.3 PPG FRESH WATER SPACER AT 4 BPM WITH 613 PSI 20 BBLS OF 8.3 PPG GEL SPACER WITH WG-19 AT 4 BPM WITH 650 PSI 221 BBLS, (480 SACKS) OF LEAD INTERFILL H CEMENT WITH 0.25 LBM KOL-SEAL, 11.70 PPG, 2.59 YIELD AND 15.5 GAL/SK AT 8 BPM WITH 804 PSI. 248 BBLS,(810 SACKS) OF TAIL PERMIAN BASIN SUPER H CEMENT WITH 2 LBM KOL-SEAL, 3 LBM SALT, 0.5 % HALAD (R) 344, 0.4% CFR-3 , 13.0 PPG, 1.72 YIELD, 9.01 GAL/SK AT 8 BPM WITH 520 PSI. DROP 5 1/2" HWE PLUG (WITNESSED BY DSM) DISPLACE WITH 279 BBLS OF BRINE WATER AT 8 BPM 728 PSI UNTIL LAST 10 BBLS SLOW PUMP TO 3 BPM. FINAL LIFTING PSI 1,600. BUMPED PLUG TO 2,100 PSI, 500 PSI OVER AT 07:25 HOURS. FLOATS HELD AND GOT BACK 2.5 BBLS TO TUBS. HAD RETURNS THROUGHOUT THE ENTIRE JOB. NOTE: WITH LIFT PRESSURE DURING CEMENT JOB ESTIMATED TOP OF CEMENT IS 1,825'.
8:00	8:30	0.50	31PRRC	CMT	RIGUP	P	RIG DOWN CEMENTERS, FLUSH LINES, CHOKE MANIFOLD, BOP STACK (START DUMPING MUD FROM FRAC TANKS)
8:30	11:00	2.50	31PRRC	BOP	RDBOP	P	PJSM WITH NIPPLE DOWN CREW & FMC, HOOK UP BOP HANDLER, REMOVE HYD. HOSES, BREAK BOLTS ON STACK AND RAISE, SET CASING SLIPS WITH 165K, CUT CASING AND LAY DOWN, SET BACK BOP STACK, REMOVE DSA AND SPOOL, SET BOP ON TRANSPORT SKID AND LAY DOWN
11:00	12:00	1.00	31PRRC	WLHD	RWH	P	INSTALL WELL HEAD AND TORQUE BOLTS, TEST SEAL AND VOID TO 4000 PSI (TEST GOOD)
12:00	18:00	6.00	31PRRC	OTHR	OTHER	P	RIG DOWN CRT, REMOVE SAVER SUB, LAY DOWN HYD HOSES, CASING ELEVATORS AND CONTROL, CLEAN PITS. RIG DOWN LIGHTS, DEGASSER, MUD CLEANER ON PIT. REMOVE VIBRATOR HOSES FROM PUMPS, BREAK ALL EQUALIZER LINES ON PITS. RELEASE RIG @ 18:00 HOURS TO THE UNIVERSITY CHLOE #9
Total Time		18.00					

Safety Incident?	N	Days since Last RI:	143.00	Weather Comments:
Environ Incident?	N	Days since Last LTA:	787.00	
Incident Comments: No incidents reported last 24 hours.				

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY CAITLIN 4
USA

Date: 09/13/2012
Report No: 17

Other Remarks:

FROM THE INTERSECTION OF HIGHWAY 385 AND HIGHWAY 176 IN ANDREWS, TEXAS, DRIVE 2.1 MILES EAST ON HIGHWAY 176 TO INTERSECTION OF HIGHWAY 176 AND HIGHWAY 115. TURN LEFT (NORTHEAST) ON HIGHWAY 115. FROM INTERSECTION OF HIGHWAY 115 AND HIGHWAY 176, DRIVE 6.75 MILES NORTHEAST ON HIGHWAY 115 TO THE INTERSECTION OF FM 1788. TURN RIGHT (SOUTH) ON FM 1788 AND DRIVE 1.25 MILES, TURN RIGHT (WEST) ONTO LEASE ROAD. JUST INSIDE THE CATTLE GUARD, TURN LEFT (SOUTH) ON LEASE ROAD. DRIVE 0.25 MILES AND TURN RIGHT (WEST) ON LEASE ROAD. DRIVE 0.1 MILES TO UNIVERSITY CAITLIN #4.
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OXY DSM TRAILER: 432-253-7317
DAY DSM CELL #: 432-813-9441
NIGHT DSM CELL #: 979-332-3431

NOTIFIED TRRC OF THE INTENT TO SPUD. SPOKE WITH KARINA, 8/30/2012, 09:00 HRS.

STOP CARDS: 22
SWA'S: 0
NEAR MISSES: 0

JSA'S: 22
SAFETY MEETINGS: 7
LO/TO'S: 0
PERMITS TO WORK: 0
POWER LINE CHECKLISTS: 8/27/12
PRE SPUD/RIG INSPECTIONS: 1- 8/31/12
HAZARD ID'S: 0
EP2 OBSERVATIONS: 0

STOP CARD: OBSERVE THIRD PARTY EMPLOYEE NOT WEARING HIS FRC. STOPPED HIM EXPLAIN THE POLICY AND DANGERS HE AGREED PUT THEM ON JOB CONTINUE WITHOUT INCIDENT.

Event		
In Progress		
CAITLIN-4 Dev Completion - Cased Hole		
09/21/2012		
Daily Summary		9-21-12 Caitlin 4 WOC-Jim Lawson Daily Cost=\$17807 Cum Cost=\$17807 MIRU Schlumberger wireline. RIH and log CNL, CCL, GR, CBL. RDMO wire line. SIW & SDFN PBTD=11905'
Total Cost for 09/21/2012	\$0.00	
09/25/2012		
Daily Summary		9-25-12 Caitlin 4 WOC-Jim Lawson Install 10K frac stack. MIRU kill trk. Psi test csg & frac stack to 5000 psi. Psi test good.
Total Cost for 09/25/2012	\$0.00	
10/04/2012		
Daily Summary		10/4/12 CUDD 277 Caitlin #4 WOC: MICHAEL YBABEN Crew Arrived on Location, And held JSA safety meeting Crew Spotted and Rigged up Coil equipment. Thru tubing installed and function tested the tools. Pull tested to 25,000 lbs, and function tested the motor. They opened the well, and there was 1450 PSI. on the Well. They ran in the hole with 2.88" coil connector, 2.88 hydraulic disconnect 2.88", 2.88" dual circulating sub, 2.88" Titan motor, and a 4.75" five bladed mill. The crew starting in the hole circulating fluid at 0.5 BPM. Good returns going into hole. They tagged the 1st plug at 9200', increased the fluid rate to 3BPM, 4300 psi coil pressure. Drilled the plug up in 21 mins, pumped a 10 bbl. gel sweep. they continued in to the 2nd plug, and tagged at 9712'. they drilled it up in 38 mins. pumped 10 bbl gel sweep and continued in to the 3rd plug. They tagged it at 10,163', and drilled it in 49 mins, pumped 10 bbl gel sweep and continued in to the 4th plug. Tagged it at 10,593, drilled it up in 37 mins pumped 10 bbl gel sweep, and continued in to the 5th plug tagged it at 10,907', drilled it up in 32 mins, pumped a 10 bbl gel sweep, and continued in to the 6th plug, tagged it at 11,206', they drilled thru it in 17 mins, pumped a 10 bbl gel sweep and continued on to PBTD, tagged bottom at 11896, pumped a 10 bbl gel sweep, and started pumping bottoms up, 230 bbls of fresh water at 3 bpm. They started out of the hole with the tools, they bumped up against the stripper, and shut in the well, 1350 PSI shut in pressure, Well is secured. Laid down the tools, blew the coil dry and rigged down the coil equipment, and shut down for the day NDP: Job complete and placed in suspended status DAILY COST: \$68,197.22 ACCUMULATIVE COST: \$68,197.22
Total Cost for 10/04/2012	\$0.00	
10/15/2012		
Job Cost Detail Report		
Rig Crew Travel Time		drive crew to location
Safety Meeting		tailgate safety meeting and rig inspection
Pulling Unit - Rig Up		miru the double derrick pulling unit
Casing - Check Pressure		150 psi on the csg

Well Control - Kill Well - Brine		pumped 60 bbls of 10# brine down the Csg to kill
Frac Valve - Nipple Down		N/D the frac valve
BOPE Hydraulic - Nipple Up		N/U the 7 1/16 hydraulic BOP
Shut-in Overnight		secure the well and sion
Rig Crew Travel Time		drive crew to the house
Safety - Personnel		jose martinez OP W, gerardo flores DH W, edgar luna FH W, christan ramirez FH W
Daily Summary		10-15-12 Caitlin 4 Nabors 689 Randy wake MIRU the double derrick pulling unit. 150 psi on the Csg, pumped 60 bbls of 10# brine down the Csg to kill. N/D the frac valve and N/U the 7 1/16 hydraulic BOP. Secure the well and SION NDP: RIH w/ Tbg open ended w/ SN Daily cost: \$ 13,000.00 Cum cost: \$ 1,125,019.92
Total Cost for 10/15/2012	\$11,395.00	
10/16/2012		
Daily Summary		10-16-12 Caitlin 4 Nabors 689 Randy wake 500 psi on the Csg, bleed well to the pit, pumped 60 bbls of 10# brine down the Csg to kill. RIH w/ 2 7/8 SN w/ 200 jts of 2 7/8 L-80 Tbg. POOH w/ 100 jts of 2 7/8 L-80 Tbg to the derrick. Left 100 jts for kill string. Secure the well and SION NDP: RIH w/ production Tbg Daily cost: \$ 86,500.00 Cum cost: \$ 1,211,519.92
Job Cost Detail Report		
Rig Crew Travel Time		drive crew to location
Safety Meeting		tailgate safety meeting and rig inspection
Casing - Check Pressure		500 psi on the casing
Well Control - Bleed Well Down		bleed well to the pit
Well Control - Kill Well - Brine		pumped 60 bbls of 10# brine down the Csg to kill
Tubing - Run		RIH w/ 2 7/8 SN w/ 200 jts of 2 7/8 L-80 Tbg
Break for Crew		lunch
Tubing - Pull		POOH w/ 100 jts of 2 7/8 L-80 Tbg to the derrick. Left 100 jts for kill string
Shut-in Overnight		secure the well and sion
Rig Crew Travel Time		drive crew to the house
Safety - Personnel		jose martinez OP W, gerardo flores DH W, edgar luna FH W, christan ramirez FH W
Total Cost for 10/16/2012	\$85,927.50	
10/17/2012		
Daily Summary		10-17-12 Caitlin 4 Nabors 689 Randy wake 350 psi on the Tbg and 400 psi on the Csg, bleed well to the pit, pumped 25 bbls of 10# brine down the Tbg and 50 bbls down the Csg to kill. POOH w/ 100 jts of 2 7/8 L-80 Tbg. RIH w/ 2 7/8 bull plug w/ 2 7/8 MA, 2 7/8 12 slot sand screen, 2 7/8 MHD SN, 2 jts of 2 7/8 TK-99, 2 7/8 x 5 1/2 TAC, 2 jts of 2 7/8 L-80 Tbg, 2 7/8 x 4' L-80 marker sub, 359 jts of 2 7/8 L-80 Tbg. Worked on setting the TAC but did not have any luck. Secure the well and SION NDP: POOH w/ Tbg and change TAC, RIH Daily cost: \$ 17,400.00 Cum cost: \$ 1,228,919.92
Job Cost Detail Report		

Rig Crew Travel Time		drive crew to location
Safety Meeting		tailgate safety meeting and rig inspection
Tubing - Check Pressure		350 psi on the tbg
Casing - Check Pressure		400 psi on the csg
Well Control - Bleed Well Down		bleed well to the pit
Well Control - Kill Well - Brine		pumped 25 bbls of 10# brine down the Tbg and 50 bbls down the Csg to kill.
Tubing - Pull		POOH w/ 100 jts of 2 7/8 L-80 Tbg
Tubing - Run		RIH w/ 2 7/8 bull plug w/ 2 7/8 MA, 2 7/8 12 slot sand screen, 2 7/8 MHD SN, 2 jts of 2 7/8 TK-99, 2 7/8 x 5 1/2 TAC, 2 jts of 2 7/8 L-80 Tbg, 2 7/8 x 4' L-80 marker sub, 359 jts of 2 7/8 L-80 Tbg
Tubing Anchor - Set		Worked on setting the TAC but did not have any luck
Shut-in Overnight		secure the well and sion
Rig Crew Travel Time		drive crew to the house
Safety - Personnel		jose martinez OP W, gerardo flores DH W, edgar luna FH W, christan ramirez FH W
Total Cost for 10/17/2012	\$16,857.00	
10/18/2012		
Daily Summary		<p>10-18-12</p> <p>Caitlin 4 Nabors 689</p> <p>Randy wake 100 psi on the Tbg and 400 psi on the Csg, bleed well to the pit, pumped 20 bbls of 10# brine down the Tbg and 45 bbls down the Csg to kill. POOH w/ 359 jts of 2 7/8 L-80 Tbg, 2 7/8 x 4' L-80 marker sub, 2 jts of 2 7/8 L-80 Tbg, 2 7/8 x 5 1/2 TAC. Replaced the TAC. RIH w/ 2 7/8 x 5 1/2 TAC, 2 jts of 2 7/8 L-80 Tbg, 2 7/8 x 4' L-80 marker sub, 359 jts of 2 7/8 L-80 Tbg. Set the TAC at 11188' w/ 20 points and the SN at 11254'. Secure the well and SION. NDP: RIH w/ pump and rods Daily cost: \$ 9,400.00 Cum cost: \$ 1,238,319.92</p>
Job Cost Detail Report		
Rig Crew Travel Time		drive crew to location
Safety Meeting		tailgate safety meeting and rig inspection
Tubing - Check Pressure		100 psi on the tbg
Casing - Check Pressure		400 psi on the csg
Well Control - Bleed Well Down		bleed well to the pit
Well Control - Kill Well - Brine		pumped 20 bbls of 10# brine down the Tbg and 45 bbls down the Csg to kill
Tubing - Pull		POOH w/ 359 jts of 2 7/8 L-80 Tbg, 2 7/8 x 4' L-80 marker sub, 2 jts of 2 7/8 L-80 Tbg, 2 7/8 x 5 1/2 TAC
Break for Crew		lunch
Tubing - Run		Replaced the TAC. RIH w/ 2 7/8 x 5 1/2 TAC, 2 jts of 2 7/8 L-80 Tbg, 2 7/8 x 4' L-80 marker sub, 359 jts of 2 7/8 L-80 Tbg
Tubing Anchor - Set		Set the TAC at 11188' w/ 20 points and the SN at 11254
Shut-in Overnight		secure the well and sion
Rig Crew Travel Time		drive crew to the house
Safety - Personnel		jose martinez OP W, gerardo flores DH W, edgar luna FH W, christan ramirez FH W
Total Cost for 10/18/2012	\$8,857.00	

10/19/2012		
Daily Summary		10-19-12 CAITLIN 4 NABORS 689 LARRY WILLIAMS tubing 50, casing 200, pump 20 bbls brine down tubing and 70 bbls down casing, nipple down hyd bop, nipple up 10K B-1 adapter, pick up and run in hole with new equipment, 2.5" x 1.5" x 24' pump, 3/4" right hand release, 6 - 1.5" K sinker bars, 285 - 3/4" HD, 20 - 7/8" HD, install 1.5" x 26" polish rod, shut in well overnight NDP--finish running rods, hang well on, rig down to move cost 10-18-12 -- \$9,400 cumulative cost thru 10-18-12 -- \$1,238,320
Job Cost Detail Report		
Rig Crew Travel Time		CREW TRAVEL TO LOCATION
Safety Meeting		SAFETY MEETING, RIG INSPECTION
Tubing - Check Pressure		TUBING 50 PSI. BLEED OFF TO PIT
Casing - Check Pressure		CASING 200 PSI. BLEED OFF TO PIT.
Well Control - Kill Well - Brine		PUMP 20 BBLS BRINE DOWN TUBING AND 70 BBLS DOWN CASING
BOPE Hydraulic - Nipple Down		NIPPLE DOWN BOP AND SPOOL
Wellhead - Nipple Up		NIPPLE UP 10K B-1 ADAPTER
Rods - Run		PREP RODS TO RUN IN HOLE, REMOVE THREAD PROTECTORS, INSTALL COUPLINGS
BOPE - Drill (Training Exercise)		CREW CONDUCT BOP DRILL
Break for Crew		LUNCH
Pump/Rods - Run		PICK UP AND RUN IN HOLE WITH 2.5" X 1.5" X 24' PUMP NEW, 3/4" RIGHT HAND RELEASE NEW 6 - 1.5" K SINKER BARS NEW, 2 85 - 3/4" WEATHERFORD HD NEW, 20 - 7/8" WEATHERFORD HD NEW
Shut-in Overnight		SHUT IN WELL, SECURE LOCATION
Rig Crew Travel Time		CREW TRAVEL HOME
Safety - Personnel		J.Martinez-op-w, J.Gomez-dh-w, G.Flores-fh-w, A.Gonzales-fh-w, C.Ramirez-fh-w
Total Cost for 10/19/2012	\$34,880.00	
Total Cost for CAITLIN-4	\$157,916.50	