

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CASEY 7
 USA

Date: 04/07/2012
 Report No: 1

Wellbore / Top MD: 00 @ 61 ft Rig: SAVANNA 643 Ref Datum: Original KB @3,050.30ft DFS: 0.00
 Today's MD: 40 ft Progress: 40 ft Ground Elev: 3,034.90 ft Daily Cost: \$31,293
 Prev MD: Rot Hrs Today: 0.00 hr AFE MD/Days: 11,400.0 / 13.6 days Cum Cost: \$31,293
 PBMD: Avg ROP Today: 0.0 ft/hr AFE Number: 1145998#0102 AFE Cost: \$1,224,234

Current Formation: @ Lithology:

Current Ops:
 24-Hr Summary: N/D BOP, INSTALL TUBING HEAD, RELEASE RIG 04/07/2012 AT 08:30 HRS, MOVE IN RIG UP ON CASEY #7 & SPUD IN 12 1/4" HOLE F/40' T
 24-Hr Forecast: RR 04/21/2012 ROL 04/22/2012: DRILL 12 1/4" SURFACE HOLE

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS		Avg	Max
Last Casing:	20.000in @ 40ft	Str Wt Up/Dn:	/	Pump Rate:	0.0	Conn:	0	0	
Next Casing:	9.625in @ 1,850ft	Str Wt Rot:		Pump Press:	0	Trip:	0	0	
Last BOP Press Test:	03/26/2012	Torq Off Btm:				Backgr:	0	0	
Form Test/EMW:		Torq On Btm:							

PERSONNEL		SURVEY DATA (LAST 6)								
Supervisor 1:	MONTY KEY	MD	Incl	Azi	TVD	N-S	E-W	VS	DLS	Build
Supervisor 2:	AUGIE VELASQUEZ									
Engineer:	IVAN OTERO									
Geologist:	TIM LYONS									
Oxy Personnel:	2									
Contractor Personnel:	38									
Total on Site:	40									

BIT RECORD										
Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
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BIT OPERATING PARAMETERS TODAY												
Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI

MUD DATA - M-I Swaco	
Engineer: DAN OCHS	MBT: 0.0 lbm/bbl
Sample From: In	pH: 7.5
Mud Type: FRESH WATER	Pm / Pom: 0.00
Time / MD: 19:58 / 40.0	Pf / Mf: 0.0 / 0.2
Density @ Temp: 8.40 / 70	Chlorides: 500
Rheology Temp: 120	Ca+ / K+: 0 / 0
Viscosity: 27.00	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: 8.40
Cake API / HTHP: .0 / .0	n / K: 0.00 / 0.000
Solids / Sol Corr: 0.50 / 0.00	Carbonate: 0 ppm
Oil / Water: 0.0 / 99.5	Bicarbonate: 0 ppm
Sand: 0.01	Form Loss: 0.0 / 0.0
Water Added: 0.0 bbl	Fluid Disch: /
Oil Added: 0.0 bbl	
LGS: 0.50 / 4.40	
VG Meter: 1@3 / 1@6 / 1@100 / 1@200 / 2@300 / 3@600	
Comments: Circulated reserve, adding 1 MF-55 every 8 hrs. Add 1 soap stick every connection. Pump HiVis sweeps as needed. Sweeps- In Premix, 80 BBL FW, 2 SX Soda Ash, Gel for 50-60 Vis, 2 quart PolyPlus **At 900" return to steel pits and add 60 sx of White Starch at 2 min a sack. LCM-	

LAST OR CURRENT BHA				
Component	OD	ID	Jts	Length

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

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CASEY 7
 USA

Date: 04/07/2012
 Report No: 1

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details	
8:30	13:00	4.50	01MIRU	LOCMOV	RD	P	RIG DOWN / PREPARE FOR RIG MOVE STARTED SCOPING DERRICK DOWN @ 10:30 HRS DERRICK LAYED OVER @ 11:30 HRS MOVE TO THE CASEY #7 1st LOAD LEFT @ 10:00, DERRICK & SUB OFF LOCATION @ 12:30 LOCATION CLEAR @ 17:00 PJSM WITH BUTCH'S, RIG CREW, ALL THIRD PARTY, DSMS	
13:00	16:30	3.50	01MIRU	LOCMOV	MOVE	P	SET RIG IN PLACE SUB IN PLACE @ 13:25, DERRICK ON PLACE @ 13:45 SETTING ALL OTHER COMPONENTS IN PLACE RAISE DERRICK @ 18:15 RELEASE TRUCKS @ 16:30 HRS	
16:30	0:00	7.50	01MIRU	LOCMOV	RU	P	RIGGING UP TO SPUD 12.25" SURFACE HOLE TRRC : OPERATOR #4, CINDY AT 22:15, 04/07/2012 SAFETY BREAK: RIGGING UP	
Total Time		15.50						

Safety Incident?	N	Days since Last RI:	93.00	Weather Comments:
Environ Incident?	N	Days since Last LTA:	456.00	
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. AT INTERSECTION OF HIGHWAY 115 AND FM 1788, TURN RIGHT (SOUTH) ONTO FM 1788.DRIVE 1.75 MILES AND TURN LEFT (EAST) ONTO LEASE ROAD. DRIVE 1.85 MILES MILES ON LEASE ROAD. TURN LEFT (NORTH) ONTO LEASE ROAD. DRIVE 1.0 MILE AND ARRIVE AT UNIVERSITY CASEY #7.

TRAILER TEL NUMBER: (713) 948-3590
 FLIGHT FOR LIFE DIRECTIONS: LATITUDE 32°22' 18.55"N, LONGITUDE 102°23'34.8"W, NAD 27

NOTIFIED TRRC OF SPUD @ 22:15 HRS ON 04/07/2012 SPOKE WITH CINDY OPERATOR #4

SAFETY TOPIC OF THE DAY: PREPARE FOR RIG MOVE
 DAYS WORKED WITH NO LTA: 456
 DAYS SINCE LAST RI: 93
 NUMBER SAFETY MEETINGS: 6
 NUMBER NEAR MISSES: 0
 STOP CARDS: 12
 DAILY JSA'S REVIEWED: 8
 PERMITS TO WORK: 0
 LO/TO: 3
 PRE-SPUD INSPECTION: X
 POWER-LINE CHECK LIST: X
 SWA'S: X

BEST STOP CARD OF THE DAY : THIRD PARTY HAND NOT PAYING ATTENTION TO BUFFER ZONE DURING RIG MOVE, STOPPED AND DISCUSSED THE HAZARDS. HE COMPLIED AND JOB CONTINUED WITHOUT INCIDENT.

TOTAL PT HRS: 30

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CASEY 7
 USA

Date: 04/08/2012
 Report No: 2

Wellbore / Top MD: 00 @ 61 ft Rig: SAVANNA 643 Ref Datum: Original KB @3,050.30ft DFS: 0.83
 Today's MD: 1861 ft Progress: 1821 ft Ground Elev: 3,034.90 ft Daily Cost: \$46,941
 Prev MD: 40 ft Rot Hrs Today: 16.50 hr AFE MD/Days: 11,400.0 / 13.6 days Cum Cost: \$78,234
 PBMD: Avg ROP Today: 110.4 ft/hr AFE Number: 1145998#0102 AFE Cost: \$1,224,234

Current Formation: RED BEDS@ Lithology:

Current Ops:

24-Hr Summary: DRILL 12 1/4" SURFACE HOLE TO 1861' AT 110 FPH, PULL OUT OF HOLE, RUN 9 5/8" SURFACE CASING

24-Hr Forecast: RR 04/21/2012 ROL 04/22/2012: RUN & CEMENT 9 5/8" SURFACE CASING, INSTALL WELL HEAD, N/U & TEST BOP, PICK UP 8 3/4" BHA

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS		Avg	Max
Last Casing:	20.000in @ 40ft	Str Wt Up/Dn:	80.0/ 78.0 kip	Pump Rate:	674.2	Conn:	0	0	
Next Casing:	9.625in @ 1,850ft	Str Wt Rot:	80.0 kip	Pump Press:	1720	Trip:	0	0	
Last BOP Press Test:	03/26/2012	Torq Off Btm:	5,000.0 ft-lbf			Backgr:	0	0	
Form Test/EMW:		Torq On Btm:	8,000.0 ft-lbf						

PERSONNEL		SURVEY DATA (LAST 6)								
Supervisor 1:	MONTY KEY	MD	Incl	Azi	TVD	N-S	E-W	VS	DLS	Build
Supervisor 2:	AUGIE VELASQUEZ	1,797.0	0.70	0.00	1,796.94	12.4	0.0	12.4	0.00	0.00
Engineer:	IVAN OTERO	1,542.0	0.70	0.00	1,541.96	9.3	0.0	9.3	0.03	0.03
Geologist:	TIM LYONS	965.0	0.50	0.00	964.99	3.2	0.0	3.2	0.07	0.07
Oxy Personnel:	2	415.0	0.10	0.00	415.00	0.4	0.0	0.4	0.02	0.02
Contractor Personnel:	13	0.0	0.00	0.00	0.00	0.0	0.0	0.0	0.00	0.00
Total on Site:	15									

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	14546	1404	7x11	40	1861	0-1-CT-N	D-I-CT-TD

BIT OPERATING PARAMETERS TODAY												
Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI
1	16.50	16.50	182	1821	110.4	110.4	5.0/20.0	40/95	0.650	903	333.0	3.0

MUD DATA - M-I SWACO				LAST OR CURRENT BHA						
Engineer: Dan Ochs	MBT: 15.0 lbm/bbl	BHA No: 1	Bit No: 1	MD In: 40 ft						
Sample From: In	pH: 7.5	Purpose:	MD Out: 1861 ft							
Mud Type: Fresh Water	Pm / Pom: 0.00	Component		OD	ID	Jts	Length			
Time / MD: 21:30 / 1,861.0	Pf / Mf: 0.1 / 0.2	HWDP		4.500	2.875	12	364.63			
Density @ Temp: 9.10 / 85	Chlorides: 1,000	DRILL COLLAR		6.500	2.875	12	351.00			
Rheology Temp: 120	Ca+ / K+: 400 / 0	CROSSOVER		8.125	2.750	1	3.08			
Viscosity: 41.00	CaCl2: 0.00	SPIRAL DRILL COLLAR		8.000	2.750	2	61.93			
PV / YP: 5 / 22	Clom: 0.00	MWD TOOL		6.250	2.500	1	4.57			
Gels 10s/10m/30m: 21 / 24 / 28	Lime: 0.00	INTEGRAL BLADE STABILIZER		8.250	2.500	1	6.70			
API WL: 5.00	ES: 0.00	SPIRAL DRILL COLLAR		8.125	2.875	1	30.80			
HTHP WL: 0.00	ECD: 0.00	INTEGRAL BLADE STABILIZER		8.000	2.875	1	8.06			
Cake API / HTHP: 2.0 / .0	n / K: 0.00 / 0.000	SHOCK SUB		8.000	2.375	1	12.83			
Solids / Sol Corr: 0.00 / 0.00	Carbonate: 1 ppm	PDC BIT		12.250		1	1.25			
Oil / Water: 0.0 / 94.3	Bicarbonate: 0 ppm									
Sand: 0.01	Form Loss: 0.0 / 0.0									
Water Added: 300.0 bbl	Fluid Disch: /									
Oil Added:										
LGS: 5.70 / 51.90										
VG Meter: 16@3 / 17@6 / 21@100 / 23@200 / 27@300 / 32@600										
Comments: Circulated reserve, adding 1 MF-55 every 8 hrs. Add 1 soap stick every connection. Pump HiVis sweeps as needed. Sweeps- In Premix, 80 BBL FW, 2 SX Soda Ash, Gel for 50-60 Vis, 2 quart PolyPlus **At 900" return to steel pits and add 60 sx of White Starch at 2 min a sack. LCM-										
				Total Length: 844.85 ft		Wt below Jars:				

MUD PRODUCTS		
Product	Units	Qty Used
AIR COMP RENT	EACH	1.00
DRIVE-BY ENGINEERING	EACH	1.00
FEDERAL BENTONITE	BG,100 LB	105.00
MF-55	CAN,5 GA	3.00
M-I GEL BULK	TON	40.00
MY LO JEL	BG,50 LB	50.00
PREMIX PIT	EACH	1.00
SODA ASH	BG,50 LB	3.00

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CASEY 7
 USA

Date: 04/08/2012
 Report No: 2

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	2:00	2.00	01MIRU	LOCMOV	RU	P	RIGGING UP TO SPUD 12.25" SURFACE HOLE RIG UP BACK YARD FILL PITS, WITH WATER LAY OUT STRAP & CALIPER BHA SET UP RACKS TO RECEIVE 9 5/8" CASING SAFETY BREAK: WORKING IN WINDY CONDITIONS
2:00	2:30	0.50	06PRES	SAFE	PJSM	P	PERFORM RIG INSPECTION AND HELD PRE SPUD SAFETY MEETING. ACCEPT RIG AT 02:30 HRS
2:30	4:00	1.50	14SUDR	DRILL	ROTVR	P	PICK UP BHA AND SPUD 12.25" SURFACE HOLE PICK UP BHA AS FOLLOWS: 1) 12 1/4" PDC BIT (ULTERRA) 2) SHOCK SUB BORED FOR FLOAT 3) IBS (1/8") UNDER GAUGE 4) 1- 8" DC 5) IBS (1/8") UNDER GAUGE 6) 1-FLOW DRIFT 7) 2- 8" DC 8) 1- XO 6 1/2"XO, X 6 5/8" REG 9) 12 - 6 1/2" DC 10)12 - 4 1/2" HWDP
4:00	6:00	2.00	14SUDR	DRILL	ROTVR	P	DRILL 12 1/4" SURFACE HOLE FROM 40' TO 130 ', 90' AVG ROP 45 FPH WOB 5-15K. TD RPM 40, FLOW RATE 400 GPM, 100 PSI OFF BTM, 150 PSI ON BTM. TORQ 3K OFF BTM, 4K ON BTM. CIRCULATE OUTSIDE RESERVE PUMP 25 BBL 60+ VIS GEL SWEEP EVERY 90' WITH LCM IN IT ADD 1-2 SOAP STICKS, 1 CUP POLY PLUS EVERY CONNECTION ADD MF-55 AT FLOWLINE SAFETY BREAK: PICKING UP DC'S
6:00	11:00	5.00	14SUDR	DRILL	ROTVR	P	DRILL 12 1/4" SURFACE HOLE FROM 130' TO 540 ', 410' AVG ROP 82 FPH WOB 5-15K. TD RPM 95, FLOW RATE 588 GPM, 1100 PSI OFF BTM, 1230 PSI ON BTM. TORQ 3K OFF BTM, 8K ON BTM. CIRCULATE OUTSIDE RESERVE PUMP 25 BBL 60+ VIS GEL SWEEP EVERY 90' WITH LCM IN IT ADD 1-2 SOAP STICKS, 1 CUP POLY PLUS EVERY CONNECTION ADD MF-55 AT FLOWLINE SURVEY @ 415', 0.10 INC SAFETY BREAK: FORKLIFT OPS
11:00	11:30	0.50	14SUDR	RIGMT	SRVRIG	P	RIG SERVICE @ 540'
11:30	15:30	4.00	14SUDR	DRILL	ROTVR	P	DRILL 12 1/4" SURFACE HOLE FROM 540' TO 1094 ', 554' AVG ROP 139 FPH WOB 5-15K. TD RPM 95, FLOW RATE 588 GPM, 1100 PSI OFF BTM, 1230 PSI ON BTM. TORQ 3K OFF BTM, 8K ON BTM. CIRCULATE OUTSIDE RESERVE PUMP 25 BBL 60+ VIS GEL SWEEP EVERY 90' WITH LCM IN IT ADD 1-2 SOAP STICKS, 1 CUP POLY PLUS EVERY CONNECTION ADD MF-55 AT FLOWLINE SURVEY @ 965', 0.50 INC SAFETY BREAK: MIXING CHEMICALS

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY CASEY 7
 USA

Date: 04/08/2012
Report No: 2

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details	
15:30	18:00	2.50	14SUDR	DRILL	ROTVR	P	DRILL 12 1/4" SURFACE HOLE FROM 1094" TO 1475', 381' AVG ROP 152 FPH WOB 5-15K. TD RPM 95, FLOW RATE 670 GPM, 1650 PSI OFF BTM, 1720 PSI ON BTM. TORQ 5K OFF BTM, 8K ON BTM. CIRCULATE OUTSIDE RESERVE CIRCULATE THRU STEEL PITS AT 1100' / CONDITION MUD PUMP 25 BBL 60+ VIS GEL SWEEP EVERY 90' WITH LCM IN IT ADD 1-2 SOAP STICKS, 1 CUP POLY PLUS EVERY CONNECTION ADD MF-55 AT FLOWLINE SAFETY BREAK: FIXED LADDERS	
18:00	21:00	3.00	14SUDR	DRILL	ROTVR	P	DRILL 12 1/4" SURFACE HOLE FROM 1475" TO 1861' TD, 386' AVG ROP 127 FPH WOB 5-15K. TD RPM 95, FLOW RATE 670 GPM, 1650 PSI OFF BTM, 1720 PSI ON BTM. TORQ 5K OFF BTM, 8K ON BTM. CIRCULATE THRU STEEL PITS AT 1100' / CONDITION MUD PUMP 25 BBL 60+ VIS GEL SWEEP EVERY 90' WITH LCM IN IT ADD 1-2 SOAP STICKS, 1 CUP POLY PLUS EVERY CONNECTION ADD MF-55 AT FLOWLINE SURVEY @ 1542', 0.70 INC SURVEY @ 1797', 0.70 INC SAFETY BREAK: EQUIPMENT SET UP	
21:00	22:30	1.50	14SUDR	CIRC	CNDHOL	P	PUMP HIGH VIS SWEEP AND CIRCULATE HOLE CLEAN CHECK FOR FLOW / WELL STATIC, PUMP SLUG SAFETY BREAK: TRIPPING OUT OF HOLE	
22:30	0:00	1.50	14SUDR	TRIP	DRILL	P	POOH FROM 1861' TO 1032', LAID DOWN 11 JTS CHECK FOR FLOW @ 1539' / WELL STATIC	
Total Time		24.00						

Safety Incident?	N	Days since Last RI:	94.00	Weather Comments:
Environ Incident?	N	Days since Last LTA:	457.00	
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. AT INTERSECTION OF HIGHWAY 115 AND FM 1788, TURN RIGHT (SOUTH) ONTO FM 1788.DRIVE 1.75 MILES AND TURN LEFT (EAST) ONTO LEASE ROAD. DRIVE 1.85 MILES MILES ON LEASE ROAD. TURN LEFT (NORTH) ONTO LEASE ROAD. DRIVE 1.0 MILE AND ARRIVE AT UNIVERSITY CASEY #7.

TRAILER TEL NUMBER: (713) 948-3590
 FLIGHT FOR LIFE DIRECTIONS: LATITUDE 32°22' 18.55"N, LONGITUDE 102°23'34.8"W, NAD 27

NOTIFIED TRRC OF SPUD @ 22:15 HRS ON 04/07/2012 SPOKE WITH CINDY OPERATOR #4

SAFETY TOPIC OF THE DAY: PICKING UP BHA
 DAYS WORKED WITH NO LTA: 457
 DAYS SINCE LAST RI: 94
 NUMBER SAFETY MEETINGS: 8
 NUMBER NEAR MISSES: 0
 STOP CARDS: 13
 DAILY JSA'S REVIEWED: 15
 PERMITS TO WORK: 0
 LO/TO: 0
 PRE-SPUD INSPECTION: 1
 POWER-LINE CHECK LIST: 1
 SWA'S: X

BEST STOP CARD OF THE DAY : HAND STANDING IN LINE OF FIRE WHILE LAYING JOINT OF DRILL PIPE, STOPPED JOB AND EXPLAINED THE DANGER. HE AGREED AND JOB CONTINUED WITHOUT INCIDENT.

TOTAL PT HRS: 30

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CASEY 7
 USA

Date: 04/09/2012
 Report No: 3

Wellbore / Top MD: 00 @ 61 ft Rig: SAVANNA 643 Ref Datum: Original KB @3,050.30ft DFS: 1.83
 Today's MD: 1861 ft Progress: 0 ft Ground Elev: 3,034.90 ft Daily Cost: \$134,026
 Prev MD: 1861 ft Rot Hrs Today: 0.00 hr AFE MD/Days: 11,400.0 / 13.6 days Cum Cost: \$212,260
 PBMD: Avg ROP Today: 0.0 ft/hr AFE Number: 1145998#0102 AFE Cost: \$1,224,234

Current Formation: RED BEDS@ Lithology:

Current Ops:

24-Hr Summary: RUN & CEMENT 9 5/8" SURFACE CASING, INSTALL WELL HEAD, NIPPLE UP & TEST BOP, PICK UP 8 3/4" BHA

24-Hr Forecast: RR 04/21/2012 ROL 04/22/2012: TIH WITH BHA #2, TAG CMT & PERFORM CHOKE DRILL, DRILL OUT SHOE TRACK & 10' NEW HOLE, FIT TC

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS		Avg	Max
Last Casing:	9.625in @ 1,861ft	Str Wt Up/Dn:	/	Pump Rate:	0.0	Conn:	0	0	
Next Casing:	5.500in @ 11,450ft	Str Wt Rot:		Pump Press:	0	Trip:	0	0	
Last BOP Press Test:	04/09/2012	Torq Off Btm:				Backgr:	0	0	
Form Test/EMW:		Torq On Btm:							

PERSONNEL		SURVEY DATA (LAST 6)								
Supervisor 1:	MONTY KEY	MD	Incl	Azi	TVD	N-S	E-W	VS	DLS	Build
Supervisor 2:	AUGIE VELASQUEZ	1,797.0	0.70	0.00	1,796.94	12.4	0.0	12.4	0.00	0.00
Engineer:	IVAN OTERO	1,542.0	0.70	0.00	1,541.96	9.3	0.0	9.3	0.03	0.03
Geologist:	TIM LYONS	965.0	0.50	0.00	964.99	3.2	0.0	3.2	0.07	0.07
Oxy Personnel:	2	415.0	0.10	0.00	415.00	0.4	0.0	0.4	0.02	0.02
Contractor Personnel:	40	0.0	0.00	0.00	0.00	0.0	0.0	0.0	0.00	0.00
Total on Site:	42									

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	14546	1404	7x11	40	1861	0-1-CT-N	D-I-CT-TD

BIT OPERATING PARAMETERS TODAY

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

MUD DATA - M-I SWACO

Engineer: Dan Ochs
 Sample From: In
 Mud Type: Fresh Water
 Time / MD: 15:00 / 1,861.0
 Density @ Temp: 8.40 / 70
 Rheology Temp: 120
 Viscosity: 27.00
 PV / YP: 1 / 1
 Gels 10s/10m/30m: 1 / 1 / 1
 API WL: 45.00
 HTHP WL: 0.00
 Cake API / HTHP: .0 / .0
 Solids / Sol Corr: 0.00 / 0.00
 Oil / Water: 0.0 / 99.6
 Sand: 0.10
 Water Added: 0.0 bbl
 Oil Added:
 LGS: 0.40 / 4.10

MBT: 0.0 lbm/bbl
 pH: 7.5
 Pm / Pom: 0.00
 Pf / Mf: 0.1 / 0.2
 Chlorides: 1,000
 Ca+ / K+: 200 / 0
 CaCl2: 0.00
 Clom: 0.00
 Lime: 0.00
 ES: 0.00
 ECD: 0.00
 n / K: 0.00 / 0.000
 Carbonate: 1 ppm
 Bicarbonate: 0 ppm
 Form Loss: 0.0 / 0.0
 Fluid Disch: /

VG Meter: 1@3 / 1@6 / 1@100 / 1@200 / 2@300 / 3@600
 Comments: Circulate inside reserve and add Lime to bring pH up to 10-11. **Displacement Recipe**: add fresh water, add 2 sx Soda Ash and Fresh gel to a 40-45 viscosity and pump to frac tanks. Displace around 4800". **Sweep**: add 2sx Soda Ash, add Fresh Gel for 50-60vis and pump

MUD PRODUCTS

Product	Units	Qty Used
AIR COMP RENT	EACH	1.00
Cottonseed Hulls	Bag, 50 lb	9.00
DRIVE-BY ENGINEERING	EACH	1.00
FIBER SEAL	BG,40 LB	12.00
MF-55	CAN,5 GA	4.00
M-I WATE (BARITE)	100 LBS/SK	40.00
POLY-PLUS	CAN,5 GA	2.00
PREMIX PIT	EACH	1.00
SOAP STICK	EACH	60.00

LAST OR CURRENT BHA

BHA No: 1		Bit No: 1		MD In: 40 ft	
Purpose:		MD Out: 1861 ft			
Component	OD	ID	Jts	Length	
HWDP	4.500	2.875	12	364.63	
DRILL COLLAR	6.500	2.875	12	351.00	
CROSSOVER	8.125	2.750	1	3.08	
SPIRAL DRILL COLLAR	8.000	2.750	2	61.93	
MWD TOOL	6.250	2.500	1	4.57	
INTEGRAL BLADE STABILIZER	8.250	2.500	1	6.70	
SPIRAL DRILL COLLAR	8.125	2.875	1	30.80	
INTEGRAL BLADE STABILIZER	8.000	2.875	1	8.06	
SHOCK SUB	8.000	2.375	1	12.83	
PDC BIT	12.250		1	1.25	

Total Length: 844.85 ft Wt below Jars:

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CASEY 7
 USA

Date: 04/09/2012
 Report No: 3

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	2:30	2.50	14SUDR	TRIP	DRILL	P	POOH FROM 1132' TO SURFACE LAY DOWN SHOCK SUB, BIT, FLOW DRIFT, IBS & 8" DRILL COLLARS SAFETY BREAK: LAYING DOWN BHA
2:30	3:00	0.50	14SUDR	OTHR	OTHER	P	CLEAR & CLEAN FLOOR
3:00	4:00	1.00	14SURC	CSG	RIGUP	P	PJSM WITH SAVANNA, CASING CREW, DSM RIG UP B & L CASING CREW
4:00	8:00	4.00	14SURC	CSG	RUNCSG	P	RUN 9 5/8" CASING PER PROG T/ 1861' FT. (SETTING DEPTH) TORQUE MINIMUM 3400, OPTIMUM 4530, MAXIMUM 5660 1- GUIDE SHOE, MODEL 112, THREAD LOCKED, TORQUED @ 5660 1- CASING JOINT, 9 5/8", 36#, J-55, LTC, THREAD LOCKED, TORQUED @ 5660 1- FLOAT COLLAR, MODEL 402E, THREAD LOCKED, TORQUED @ 5660 43- JOINTS, 9 5/8", 36#, J-55, LTC, TORQUED @ 4530 CENTRALIZERS 1- 10' UP FROM SHOE, WITH STOP RING 1- ON COUPLING ABOVE FLOAT COLLAR 1- EVERY 3 JOINTS TO CELLAR ON COUPLINGS WASH LAST JOINT DOWN / 20' OF FILL
8:00	9:30	1.50	14SURC	CIRC	CNDHOL	P	CIRCULATE TWO BOTTOMS UP RIG DOWN CASING CREW PJSM WITH SAVANNA & HALLIBURTON, RIG UP CMT EQUIPMENT
9:30	11:00	1.50	14SURC	CMT	PRIM	P	CEMENT 9 5/8" CASING PER PROG: (SETTING DEPTH: 1861' FT.) PRESSURE TEST LINES TO LOW 250PSI, HI 3000PSI FOR 5 MINUTES FLUID 1: PUMP 20BBLs FRESH WATER SPACER 5BBL/MN FLUID 2: LEAD WITH 330 SKS 7BBL/MN PREMIUM PLUS CEMENT FLUID WEIGHT 13.50 LBM/GAL 94 LBM/SK PREMIUM PLUS CEMENT (CEMENT) SLURRY YIELD: 1.76 FT3/SK 4 % BENTONITE (ADDITIVE MATERIAL) TOTAL MIXING FLUID: 9.11 GAL/SK 2 % CALCIUM CHLORIDE (ACCELERATOR) TOP OF FLUID: 0 FT 2 LBM/SK KOL-SEAL (LOST CIRCULATION ADDITIVE)CALCULATED FILL: 1083.45 FT, VOLUME: 97.91, CALCULATED SACKS:323.93 SKS PROPOSED SACKS: 330 SKS ESTIMATED SLURRY PROPERTIES: THICKENING TIME: 03:30 COMPRESSIVE STRENGTHS @ 80 °F 24:00 1208 PSI 48:00 1615 PSI 72:00 1750 PSI FLUID 3: TAIL-IN WITH 300 SKS 5BBL/MN PREMIUM PLUS CEMENT FLUID WEIGHT 14.80 LBM/GAL 94 LBM/SK PREMIUM PLUS CEMENT (CEMENT) SLURRY YIELD: 1.36 FT3/SK 2 LBM/SK KOL-SEAL (LOST CIRCULATION ADDITIVE)TOTAL MIXING FLUID:6.27 GAL/SK 2 % CALCIUM CHLORIDE (ACCELERATOR) TOP OF FLUID: 1083.45 FT CALCULATED FILL: 766.55 FT VOLUME: 72.45 BBL, CALCULATED SACKS:300 SKS PROPOSED SACKS: 300 SKS ESTIMATED SLURRY PROPERTIES: THICKENING TIME: 02:30 COMPRESSIVE STRENGTHS @ 80 °F 24:00 1608 PSI,48:00 2172 PSI,72:00 2500 PSI FLUID 4: DISPLACEMENT FRESH WATER 141BBLs 8BBL/MN BUMP PLUG @ 10:57, FINAL LIFT 555 PSI / 1110PSI FLOWBACK 1.0 BBL, FLOATS HELD CIRCULATED 25 BBLs OF CEMENT TO SURFACE (80 SKS)
11:00	11:30	0.50	14SURC	CMT	PRIM	P	HOLD PJSM & RIG DOWN HALLIBURTON
11:30	15:30	4.00	14SURC	WLHD	RWH	P	CONDUCT SAFETY MEETING WITH RIG CREW, MAN NIPPLE UP CREW AND FMC HANDS ; P/U CONDUCTOR, MAKE ROUGH CUT ON CASING. LAY OUT CUT OFF. FINAL CUT CASING, WELD ON WELL HEAD & TEST SAME TO 1414 PSI.

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY CASEY 7
 USA

Date: 04/09/2012
Report No: 3

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details	
15:30	20:30	5.00	14SURC	BOP	RUBOP	P	HELD PJSM WITH MAN WELDING NIPPLE UP CREW, RIG CREW, DSM NIPPLE UP BOP COMPONENTS AS FOLLOWS: 11" 3K X 11" 5K ADAPTOR SPOOL 11" 5K MUD CROSS 11" 5K DOUBLE RAM 11" 5K ANNULAR 11" 3K ROTATING HEAD INSTALL FLOWLINE	
20:30	21:00	0.50	14SURC	SAFE	PJSM	P	HELD PJSM WITH MAN WELDING TESTER, RIG CREW, DSM	
21:00	0:00	3.00	14SURC	BOP	TSTBOP	P	FUNCTION TEST ACCUMULATOR / BOP TEST BOP, CHOKE MANIFOLD, FLOOR VALVES & TOP DRIVE VALVES 250 PSI LOW & 2100 PSI HIGH, TEST 4" MUD LINES 250 PSI LOW & 3500 PSI HIGH, HELD EACH TEST FOR 5 MIN, TEST CASING TO 2100 PSI AND HOLD FOR 30 MIN, ALL TESTS OK	
Total Time		24.00						

Safety Incident?	N	Days since Last RI:	95.00	Weather Comments:
Environ Incident?	N	Days since Last LTA:	458.00	
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. AT INTERSECTION OF HIGHWAY 115 AND FM 1788, TURN RIGHT (SOUTH) ONTO FM 1788.DRIVE 1.75 MILES AND TURN LEFT (EAST) ONTO LEASE ROAD. DRIVE 1.85 MILES MILES ON LEASE ROAD. TURN LEFT (NORTH) ONTO LEASE ROAD. DRIVE 1.0 MILE AND ARRIVE AT UNIVERSITY CASEY #7.

TRAILER TEL NUMBER: (713) 948-3590

FLIGHT FOR LIFE DIRECTIONS: LATITUDE 32°22' 18.55"N, LONGITUDE 102°23'34.8"W, NAD 27

NOTIFIED TRRC OF SPUD @ 22:15 HRS ON 04/07/2012 SPOKE WITH CINDY OPERATOR #4

SAFETY TOPIC OF THE DAY: NIPPLE UP BOP

DAYS WORKED WITH NO LTA: 458

DAYS SINCE LAST RI: 95

NUMBER SAFETY MEETINGS: 10

NUMBER NEAR MISSES: 0

STOP CARDS: 13

DAILY JSA'S REVIEWED: 18

PERMITS TO WORK: 1

LO/TO: 1

PRE-SPUD INSPECTION: 0

POWER-LINE CHECK LIST: 0

SWA'S: X

BEST STOP CARD OF THE DAY : EMPLOYEE WAS STANDING NEAR HIGH PRESSURE TEST LINE WHILE TESTING BOP. HE WAS INSTRUCTED TO STAY AWAY FROM TESTER'S LINE AND SAFETY POLICY WAS DISCUSSED WITH HIM. HE COMPLIED AND JOB CONTINUED WITHOUT INCIDENT.

TOTAL PT HRS: 0

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CASEY 7
 USA

Date: 04/10/2012
 Report No: 4

Wellbore / Top MD: 00 @ 61 ft Rig: SAVANNA 643 Ref Datum: Original KB @3,050.30ft DFS: 2.83
 Today's MD: 3114 ft Progress: 1253 ft Ground Elev: 3,034.90 ft Daily Cost: \$38,841
 Prev MD: 1861 ft Rot Hrs Today: 11.50 hr AFE MD/Days: 11,400.0 / 13.6 days Cum Cost: \$251,100
 PBMD: Avg ROP Today: 109.0 ft/hr AFE Number: 1145998#0102 AFE Cost: \$1,224,234

Current Formation: SALTS@1,950.0 Lithology:

Current Ops:

24-Hr Summary: TIH, PERFORM CHOKE DRILL, DRILL OUT SHOE TRACK & 10' NEW HOLE, FIT TO 12.1 PPG EMW, DRILL 8 3/4" PROD HOLE @ 108 FPH

24-Hr Forecast: RR 04/21/2012 ROL 04/22/2012: DRILL 8 3/4" PRODUCTION HOLE

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS		Avg	Max
Last Casing:	9.625in @ 1,861ft	Str Wt Up/Dn:	88.0/ 82.0 kip	Pump Rate:	600.9	Conn:	24	24	26
Next Casing:	5.500in @ 11,450ft	Str Wt Rot:	84.0 kip	Pump Press:	1675	Trip:	0	0	0
Last BOP Press Test:	04/09/2012	Torq Off Btm:	4,000.0 ft-lbf			Backgr:	23	23	25
Form Test/EMW:	FIT / 12.10 ppg	Torq On Btm:	7,000.0 ft-lbf						

PERSONNEL		SURVEY DATA (LAST 6)								
Supervisor 1:	MONTY KEY	MD	Incl	Azi	TVD	N-S	E-W	VS	DLS	Build
Supervisor 2:	IVAN OTERO	2,714.0	0.20	0.00	5,349.21	19.4	0.0	19.4	0.06	-0.06
Engineer:	AUGIE VELASQUEZ	2,013.0	0.60	0.00	4,648.23	14.5	0.0	14.5	0.05	-0.05
Geologist:	TIM LYONS	1,797.0	0.70	0.00	4,432.24	12.0	0.0	12.0	0.00	0.00
Oxy Personnel:	2	1,542.0	0.70	0.00	4,177.26	8.9	0.0	8.9	0.03	0.03
Contractor Personnel:	13	965.0	0.50	0.00	3,600.29	2.9	0.0	2.9	0.07	0.07
Total on Site:	15	415.0	0.10	0.00	3,050.30	0.0	0.0	0.0	0.00	0.00

BIT RECORD										
Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
2	8.750	ULTERRA DRILLING T	U616M	14877	1797	6x13	1861		--	--
		ULTERRA DRILLING T	U616M	14877			1861		--	--

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	11.50	11.50	1253	1253	109.0	109.0	10.0/20.0	40/90	0.778	467	247.9	2.7

MUD DATA - M-J SWACO					LAST OR CURRENT BHA				
Engineer:	Brandon Smith	MBT:	0.0 lbm/bbl	BHA No:	2	Bit No:	2	MD In:	1861 ft
Sample From:	In	pH:	11.5	Purpose:	MD Out:				
Mud Type:	Cut Brine	Pm / Pom:	0.00	Component		OD	ID	Jts	Length
Time / MD:	14:30 / 2,024.0	Pf / Mf:	0.4 / 0.6	HWDP	4.500	2.940	4	121.56	
Density @ Temp:	8.50 / 50	Chlorides:	4,000	HWDP	4.500	2.875	4	121.56	
Rheology Temp:	120	Ca+ / K+:	280 / 0	DRILLING JAR	6.250	2.250	1	32.64	
Viscosity:	28.00	CaCl2:	0.00	DRILLING JAR	6.375	2.750	1	32.64	
PV / YP:	1 / 1	Clom:	0.59	HWDP	4.500	2.940	8	243.07	
Gels 10s/10m/30m:	1 / 1 / 1	Lime:	0.00	HWDP	4.500	2.875	8	243.07	
API WL:	45.00	ES:	0.10	DRILL COLLAR	6.500	2.875	12	351.00	
HTHP WL:	0.00	ECD:	0.00	SPIRAL DRILL COLLAR	7.930	2.750	12	351.00	
Cake API / HTHP:	.0 / .0	n / K:	0.00 / 0.000	ORIENTING SUB	6.500	3.250	1	4.94	
Solids / Sol Corr:	0.20 / 0.00	Carbonate:	5 ppm	MWD TOOL	6.500	3.250	1	4.94	
Oil / Water:	0.0 / 0.0	Bicarbonate:	0 ppm	3-POINT REAMER	8.750	2.250	1	7.74	
Sand:	0.10	Form Loss:	0.0 / 0.0	3-POINT REAMER	8.310	2.130	1	7.74	
Water Added:	414.0 bbl	Fluid Disch:	/	DRILL COLLAR	6.125	2.875	1	29.60	
Oil Added:									
LGS:	1.00 / 9.00								

VG Meter: 1@3 / 1@6 / 1@100 / 1@200 / 2@300 / 3@600
 Comments: Circulate inside reserve and add Lime to bring pH up to 10-11. **Displacement Recipe**: add fresh water; add 2 sx Soda Ash and Fresh gel to a 40-45 viscosity and pump to frac tanks. Displace around 4800". **Sweep**: add 2sx Soda Ash; add Fresh Gel for 50-60vis and pump

MUD PRODUCTS		
Product	Units	Qty Used
AIR COMP RENT	EACH	1.00
DRIVE-BY ENGINEERING	EACH	1.00
LIME	BG,50 LB	54.00
MF-55	CAN,5 GA	4.00
M-J GEL BULK	TON	15.00
PREMIX PIT	EACH	1.00
SODA ASH	BG,50 LB	8.00

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CASEY 7
 USA

Date: 04/10/2012
 Report No: 4

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	3:00	3.00	14SURC	BOP	TSTBOP	P	CONTINUE TO TEST BOP TEST BOP, CHOKE MANIFOLD, FLOOR VALVES & TOP DRIVE VALVES 250 PSI LOW & 2100 PSI HIGH, TEST 4" MUD LINES 250 PSI LOW & 3500 PSI HIGH, HELD EACH TEST FOR 5 MIN, TEST CASING TO 2100 PSI AND HOLD FOR 30 MIN, ALL TESTS OK
3:00	3:30	0.50	14SURC	BOP	CHRAMS	P	INSTALL WEAR BUSHING INSTALL TWO MOUSEHOLES
3:30	6:30	3.00	14SURC	TRIP	BHA	P	PICK UP BHA #2 AS FOLLOWS: TIH TO 1780' 1 - 8 3/4" ULTERRA PDC BIT, U616M, S/N 14877 1 - 6.5" BAKER MUD MOTOR, M1XL/VS SLICK W/FLOAT (0.11 REV/GAL) 1 - 8 3/4" ROLLER REAMER 1/8" UG 1 - 6.5" DC 1 - 8 3/4" ROLLER REAMER 1/8" UG 1 - 6.5" NOV FLO DRIFT SUB 12 - 6.5" DCS 8 - 4 1/2" HWDP 1 - 6 1/4" DRILLING JARS 4 - 4 1/2" HWDP SAFETY BREAK: PICKING UP BHA
6:30	7:30	1.00	14SURC	RIGMT	SRVRIG	P	SLIP & CUT DRILLING LINE SAFETY BREAK: CUTTING DRILLING LINE
7:30	9:00	1.50	14SURC	SAFE	PJSM	P	FILL PIPE TAG FIRM CEMENT @ 1801 FT, PERFORM CHOKE DRILL AND BOP DRILL WITH RIG MANAGER AND RIG CREW.
9:00	10:30	1.50	14SURC	RIGMT	REP	PT	TROUBLESHOOT CROWN SAVER SAFETY BREAK: 100% TIE OFF 4 FT. AND ABOVE
10:30	12:00	1.50	14SURC	DRLOUT	DOCMT	P	DRILL CEMENT AND FLOAT EQUIPMENT
12:00	12:30	0.50	31PRDR	DRILL	MTRVER	P	DRILL 10' OF NEW FORMATION AND CHECK MUD WT IN AND OUT FOR FIT TEST.
12:30	13:00	0.50	31PRDR	DRLOUT	FST	P	PERFORM FIT TEST 8.4MW // 360 PSI = 12.1 EMW TEST GOOD
13:00	17:00	4.00	31PRDR	DRILL	MTRVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 1871' TO 2214' = 343', AVG ROP 86 FPH, WOB 18-20K. TD RPM 85, MM RPM 66, TOTAL RPM 151, FLOW RATE 600 GPM, 1400 PSI OFF BTM, 1650 PSI ON BTM, TORQ. 4K OFF BTM, 7K ON BTM SURVEY AT 2013', 0.60 INC CIRCULATE INSIDE RESERVE MUD WT 8.4 IN , 8.5 OUT VIS 28 IN, 28 OUT PH 11 PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 100' TO 150' SAFETY BREAK: FORKLIFT OPS
17:00	21:00	4.00	31PRDR	DRILL	MTRVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 2214' TO 2730' = 516', AVG ROP 129 FPH, WOB 10-15K. TD RPM 85, MM RPM 66, TOTAL RPM 151, FLOW RATE 600 GPM, 1540 PSI OFF BTM, 1675 PSI ON BTM, TORQ. 4K OFF BTM, 7K ON BTM CIRCULATE INSIDE RESERVE MUD WT 9.2 IN , 9.2 OUT VIS 28 IN, 28 OUT PH 11 PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 100' TO 150' SAFETY BREAK: KEEPING LOCATION GATE CLOSED

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY CASEY 7
 USA

Date: 04/10/2012
Report No: 4

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
21:00	0:00	3.00	31PRDR	DRILL	MTRVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 2730' TO 3114' = 384', AVG ROP 128 FPH, WOB 10-15K. TD RPM 85, MM RPM 66, TOTAL RPM 151, FLOW RATE 600 GPM, 1540 PSI OFF BTM, 1675 PSI ON BTM, TORQ. 4K OFF BTM, 7K ON BTM SURVEY AT 2714', 0.20 INC CIRCULATE INSIDE RESERVE MUD WT 9.4 IN, 9.5 OUT VIS 28 IN, 28 OUT PH 11 PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 100' TO 150' SAFETY BREAK: SPOTTING TRUCK DRIVERS
Total Time		24.00					

Safety Incident?	N	Days since Last RI:	96.00	Weather Comments:
Environ Incident?	N	Days since Last LTA:	459.00	
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. AT INTERSECTION OF HIGHWAY 115 AND FM 1788, TURN RIGHT (SOUTH) ONTO FM 1788.DRIVE 1.75 MILES AND TURN LEFT (EAST) ONTO LEASE ROAD. DRIVE 1.85 MILES MILES ON LEASE ROAD. TURN LEFT (NORTH) ONTO LEASE ROAD. DRIVE 1.0 MILE AND ARRIVE AT UNIVERSITY CASEY #7.

TRAILER TEL NUMBER: (713) 948-3590
 FLIGHT FOR LIFE DIRECTIONS: LATITUDE 32°22' 18.55"N, LONGITUDE 102°23'34.8"W, NAD 27

NOTIFIED TRRC OF SPUD @ 22:15 HRS ON 04/07/2012 SPOKE WITH CINDY OPERATOR #4

SAFETY TOPIC OF THE DAY: TRIPPING IN HOLE
 DAYS WORKED WITH NO LTA: 459
 DAYS SINCE LAST RI: 96
 NUMBER SAFETY MEETINGS: 9
 NUMBER NEAR MISSES: 0
 STOP CARDS: 13
 DAILY JSA'S REVIEWED: 15
 PERMITS TO WORK: 0
 LO/TO: 2
 PRE-SPUD INSPECTION: 0
 POWER-LINE CHECK LIST: 0
 SWA'S: X

BEST STOP CARD OF THE DAY : OBSERVED HAND NOT USING PROPER LOCK OUT / TAG OUT PROCEDURE, STOPPED THE JOB AND EXPLAINED THE CORRECT LO/TO PROCEDURE. THE HAND COMPLIED AND WORK CONTINUED WITHOUT INCIDENT.

TOTAL PT HRS: 1.5

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CASEY 7
 USA

Date: 04/11/2012
 Report No: 5

Wellbore / Top MD: 00 @ 61 ft Rig: SAVANNA 643 Ref Datum: Original KB @3,050.30ft DFS: 3.83
 Today's MD: 5237 ft Progress: 2123 ft Ground Elev: 3,034.90 ft Daily Cost: \$42,828
 Prev MD: 3114 ft Rot Hrs Today: 23.50 hr AFE MD/Days: 11,400.0 / 13.6 days Cum Cost: \$293,929
 PBMD: Avg ROP Today: 90.3 ft/hr AFE Number: 1145998#0102 AFE Cost: \$1,224,234

Current Formation: SA@5,200.0 Lithology:

Current Ops:

24-Hr Summary: DRILL 8 3/4" PRODUCTION HOLE TO 5739' AT 96 FPH

24-Hr Forecast: RR 04/21/2012 ROL 04/22/2012: DRILL 8 3/4" PRODUCTION HOLE

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS		Avg	Max
Last Casing:	9.625in @ 1,861ft	Str Wt Up/Dn:	122.0/ 114.0 kip	Pump Rate:	600.9	Conn:	26	26	32
Next Casing:	5.500in @ 11,450ft	Str Wt Rot:	116.0 kip	Pump Press:	2150	Trip:	0	0	0
Last BOP Press Test:	04/09/2012	Torq Off Btm:	6,000.0 ft-lbf			Backgr:	23	23	27
Form Test/EMW:	FIT / 12.12 ppg	Torq On Btm:	9,000.0 ft-lbf						

PERSONNEL		SURVEY DATA (LAST 6)								
Supervisor 1:	MONTY KEY	MD	Incl	Azi	TVD	N-S	E-W	VS	DLS	Build
Supervisor 2:	AUGIE VELASQUEZ	4,868.0	0.90	0.00	4,867.85	34.1	0.0	34.1	0.09	0.09
Engineer:	IVAN OTERO	4,171.0	0.30	0.00	4,170.89	26.8	0.0	26.8	0.00	0.00
Geologist:	TIM LYONS	3,412.0	0.30	0.00	3,411.90	22.8	0.0	22.8	0.01	0.01
Oxy Personnel:	2	2,714.0	0.20	0.00	2,713.91	19.7	0.0	19.7	0.06	-0.06
Contractor Personnel:	13	2,013.0	0.60	0.00	2,012.93	14.8	0.0	14.8	0.05	-0.05
Total on Site:	15	1,797.0	0.70	0.00	1,796.94	12.4	0.0	12.4	0.00	0.00

BIT RECORD

Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
2	8.750	ULTERRA DRILLING T	U616M	14877	1797	6x13	1861		--	--
		ULTERRA DRILLING T	U616M	14877			1861		--	--

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	35.00	2123	3376	90.3	96.5	10.0/20.0	70/90	0.778	484	247.9	2.8

MUD DATA - M-I SWACO

Engineer: Brandon Smith
 Sample From: In
 Mud Type: FW/Gel
 Time / MD: 0:00 / 5,130.0
 Density @ Temp: 8.80 / 105
 Rheology Temp: 120
 Viscosity: 40.00
 PV / YP: 3 / 16
 Gels 10s/10m/30m: 11 / 13 / 17
 API WL: 45.00
 HTHP WL: 0.00
 Cake API / HTHP: 2.0 / .0
 Solids / Sol Corr: 0.90 / 0.00
 Oil / Water: 0.0 / 0.0
 Sand: 0.50
 Water Added: 936.0 bbl
 Oil Added:
 LGS: 2.30 / 20.50

MBT: 7.5 lbm/bbl
 pH: 11.0
 Pm / Pom: 0.00
 Pf / Mf: 0.5 / 0.8
 Chlorides: 18,000
 Ca+ / K+: 440 / 0
 CaCl2: 0.00
 Clom: 0.21
 Lime: 0.00
 ES: 0.50
 ECD: 0.00
 n / K: 0.00 / 0.000
 Carbonate: 9 ppm
 Bicarbonate: 0 ppm
 Form Loss: 0.0 / 0.0
 Fluid Disch: /

LAST OR CURRENT BHA

BHA No: 2 Bit No: 2 MD In: 1861 ft

Purpose: MD Out:

Component	OD	ID	Jts	Length
HWDP	4.500	2.940	4	121.56
HWDP	4.500	2.875	4	121.56
DRILLING JAR	6.250	2.250	1	32.64
DRILLING JAR	6.375	2.750	1	32.64
HWDP	4.500	2.940	8	243.07
HWDP	4.500	2.875	8	243.07
DRILL COLLAR	6.500	2.875	12	351.00
SPIRAL DRILL COLLAR	7.930	2.750	12	351.00
ORIENTING SUB	6.500	3.250	1	4.94
MWD TOOL	6.500	3.250	1	4.94
3-POINT REAMER	8.750	2.250	1	7.74
3-POINT REAMER	8.310	2.130	1	7.74
DRILL COLLAR	6.125	2.875	1	29.60

VG Meter: 11@3 / 13@6 / 15@100 / 17@200 / 19@300 / 22@600
 Comments: Circulate steel pits add 12sx Duovis to adjust rheology; Maintain system pH @ 10-11 with Caustic Soda. **Premix Recipe**: add fresh water; add 6sx Soda Ash; 2sx Duovis; 3sx Lime and Fresh gel to a 40-45 viscosity and pump to frac tanks. **Sweep**: add 2sx Soda Ash; add

Total Length: 1,662.92 ft Wt below Jars:

MUD PRODUCTS

Product	Units	Qty Used
AIR COMP RENT	EACH	1.00
DRIVE-BY ENGINEERING	EACH	1.00
DUO-VIS	BG,25 LB	4.00
LIME	BG,50 LB	13.00
M-I GEL BULK	TON	5.00
PREMIX PIT	EACH	1.00

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY CASEY 7
USA

Date: 04/11/2012
Report No: 5

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 3/4" PRODUCTION HOLE FROM 3114' TO 3566' = 452', AVG ROP 113 FPH, WOB 10-15K, TD RPM 85, MM RPM 66, TOTAL RPM 151, FLOW RATE 600 GPM, 1660 PSI OFF BTM, 1875 PSI ON BTM, TORQ. 5K OFF BTM, 8K ON BTM</p> <p>SURVEY AT 3412', 0.30 INC</p> <p>CIRCULATE INSIDE RESERVE</p> <p>MUD WT 9.6 IN, 9.6 OUT VIS 28 IN; 28 OUT PH 11</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 100' TO 150'</p> <p>SAFETY BREAK: STAYING FOCUSED ON JOB</p>
4:00	8:00	4.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 8 3/4" PRODUCTION HOLE FROM 3566' TO 3987' = 421', AVG ROP 105 FPH, WOB 10-15K, TD RPM 85, MM RPM 66, TOTAL RPM 151, FLOW RATE 600 GPM, 1660 PSI OFF BTM, 1875 PSI ON BTM, TORQ. 5K OFF BTM, 8K ON BTM</p> <p>CIRCULATE INSIDE RESERVE</p> <p>MUD WT 9.6 IN, 9.6 OUT VIS 28 IN, 28 OUT PH 11</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 100' TO 150'</p> <p>SAFETY BREAK: DRIVING TO & FROM WORK</p>
8:00	11:00	3.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 8 3/4" PRODUCTION HOLE F/ 3987'- T/ 4290' = 303', AVG ROP 101 FPH, WOB 11-15K, TD RPM 90, MM RPM 66, TOTAL RPM 156, FLOW RATE 600 GPM, 1958 PSI OFF BTM, 2148 PSI ON BTM, TORQ. 6K OFF BTM, 9K ON BTM</p> <p>LAST SURVEY @ 4171' / 0.3 INC.</p> <p>CIRCULATE INSIDE RESERVE</p> <p>MUD WT 9.8 IN, 9.8 OUT VIS 28 IN, 28 OUT PH 10</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 100' TO 150'</p> <p>SAFETY BREAK: MIXING CHEMICALS</p>
11:00	12:30	1.50	31PRDR	DRILL	MTRVER	PT	<p>DRILL 8 3/4" PRODUCTION HOLE F/ 4290- T/ 4383' = 93', AVG ROP 62 FPH, WOB 15-18K, TD RPM 90, MM RPM 43, TOTAL RPM 133, FLOW RATE 390 GPM, 970 PSI OFF BTM, 1110 PSI ON BTM, TORQ. 6K OFF BTM, 9K ON BTM</p> <p>NOTE: DRILL WITH #1 PUMP @ 390 GPM</p> <p>CIRCULATE INSIDE RESERVE</p> <p>MUD WT 9.9 IN, 9.9 OUT VIS 29 IN, 29 OUT PH 10</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 100' TO 150'</p>
12:30	17:00	4.50	31PRDR	DRILL	MTRVER	P	<p>DRILL 8 3/4" PRODUCTION HOLE F/ 4383'- T/ 4764' = 381', AVG ROP 85 FPH, WOB 15-18K, TD RPM 90, MM RPM 66, TOTAL RPM 156, FLOW RATE 600 GPM, 1958 PSI OFF BTM, 2148 PSI ON BTM, TORQ. 6K OFF BTM, 9K ON BTM</p> <p>CIRCULATE INSIDE RESERVE</p> <p>MUD WT 9.9 IN, 9.9 OUT VIS 29 IN, 29 OUT PH 10</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 100' TO 150'</p> <p>SAFETY BREAK: H2S SAFETY</p>
17:00	17:30	0.50	31PRDR	RIGMT	SRVRIG	P	RIG SERVICE

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY CASEY 7
 USA

Date: 04/11/2012
Report No: 5

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details	
17:30	21:30	4.00	31PRDR	DRILL	MTRVER	P	DRILL 8 3/4" PRODUCTION HOLE F/ 4764'- T/ 5048' = 284', AVG ROP 71 FPH, WOB 15-18K, TD RPM 90, MM RPM 66, TOTAL RPM 156, FLOW RATE 600 GPM, 1958 PSI OFF BTM, 2148 PSI ON BTM, TORQ. 6K OFF BTM, 9K ON BTM SURVEY @ 4868', 0.90 INC CIRCULATE INSIDE RESERVE / SWAP OVER TO STEEL PITS AFTER DISPLACING HOLE WITH 897 BBLs OF 8.7 PPG GEL MUD AT 5000' MUD WT 8.7 IN, 8.8 OUT VIS 40 IN, 40 OUT PH 11 PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 100' TO 150' SAFETY BREAK: THUNDERSTROMS	
21:30	0:00	2.50	31PRDR	DRILL	MTRVER	P	DRILL 8 3/4" PRODUCTION HOLE F/ 5048'- T/ 5237' = 189', AVG ROP 76 FPH, WOB 15-18K, TD RPM 85, MM RPM 66, TOTAL RPM 151, FLOW RATE 600 GPM, 1950 PSI OFF BTM, 2150 PSI ON BTM, TORQ. 6K OFF BTM, 9K ON BTM CIRCULATE THRU STEEL PITS MUD WT 8.9 IN, 8.9 OUT VIS 40 IN, 40 OUT PH 11 PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 100' TO 150' SAFETY BREAK: MIXING CAUSTIC	
Total Time		24.00						

Safety Incident?	N	Days since Last RI:	97.00	Weather Comments:
Environ Incident?	N	Days since Last LTA:	460.00	
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. AT INTERSECTION OF HIGHWAY 115 AND FM 1788, TURN RIGHT (SOUTH) ONTO FM 1788.DRIVE 1.75 MILES AND TURN LEFT (EAST) ONTO LEASE ROAD. DRIVE 1.85 MILES MILES ON LEASE ROAD. TURN LEFT (NORTH) ONTO LEASE ROAD. DRIVE 1.0 MILE AND ARRIVE AT UNIVERSITY CASEY #7.

TRAILER TEL NUMBER: (713) 948-3590
 FLIGHT FOR LIFE DIRECTIONS: LATITUDE 32°22' 18.55"N, LONGITUDE 102°23'34.8"W, NAD 27

NOTIFIED TRRC OF SPUD @ 22:15 HRS ON 04/07/2012 SPOKE WITH CINDY OPERATOR #4

SAFETY TOPIC OF THE DAY: LO / TO PROCEDURE
 DAYS WORKED WITH NO LTA: 460
 DAYS SINCE LAST RI: 97
 NUMBER SAFETY MEETINGS: 8
 NUMBER NEAR MISSES: 0
 STOP CARDS: 17
 DAILY JSA'S REVIEWED: 11
 PERMITS TO WORK: 0
 LO/TO: 1
 PRE-SPUD INSPECTION: 0
 POWER-LINE CHECK LIST: 0
 SWA'S: X

BEST STOP CARD OF THE DAY : A COUPLE OF HANDS WERE HORSEPLAYING AROUND, STOPPED THEM AND DISCUSSED THE SITUATION AND SAFETY POLICY. THEY BOTH AGREED.

TOTAL PT HRS: 3

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CASEY 7
 USA

Date: 04/12/2012
 Report No: 6

Wellbore / Top MD: 00 @ 61 ft Rig: SAVANNA 643 Ref Datum: Original KB @3,050.30ft DFS: 4.83
 Today's MD: 6992 ft Progress: 1755 ft Ground Elev: 3,034.90 ft Daily Cost: \$119,855
 Prev MD: 5237 ft Rot Hrs Today: 23.50 hr AFE MD/Days: 11,400.0 / 13.6 days Cum Cost: \$413,784
 PBMD: Avg ROP Today: 74.7 ft/hr AFE Number: 1145998#0102 AFE Cost: \$1,224,234

Current Formation: SA@5,200.0 Lithology:
 Current Ops:
 24-Hr Summary: DRILL 8 3/4" PRODUCTION HOLE AT 71 FPH
 24-Hr Forecast: RR 04/21/2012 ROL 04/22/2012: DRILL 8 3/4" PRODUCTION HOLE

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS		Avg	Max
Last Casing:	9.625in @ 1,861ft	Str Wt Up/Dn:	155.0/ 137.0 kip	Pump Rate:	600.9	Conn:	85	85	97
Next Casing:	5.500in @ 11,450ft	Str Wt Rot:	145.0 kip	Pump Press:	2405	Trip:	0	0	0
Last BOP Press Test:	04/09/2012	Torq Off Btm:	6,000.0 ft-lbf			Backgr:	57	57	85
Form Test/EMW:	FIT / 12.12 ppg	Torq On Btm:	9,000.0 ft-lbf						

PERSONNEL		SURVEY DATA (LAST 6)								
		MD	Incl	Azi	TVD	N-S	E-W	VS	DLS	Build
Supervisor 1:	MONTY KEY	6,393.0	0.50	0.00	6,392.77	48.9	0.0	48.9	0.01	0.01
Supervisor 2:	AUGIE VELASQUEZ	5,694.0	0.40	0.00	5,693.79	43.4	0.0	43.4	0.06	-0.06
Engineer:	IVAN OTERO	4,868.0	0.90	0.00	4,867.85	34.1	0.0	34.1	0.09	0.09
Oxy Personnel:	2	4,171.0	0.30	0.00	4,170.89	26.8	0.0	26.8	0.00	0.00
Contractor Personnel:	15	3,412.0	0.30	0.00	3,411.90	22.8	0.0	22.8	0.01	0.01
Total on Site:	17	2,714.0	0.20	0.00	2,713.91	19.7	0.0	19.7	0.06	-0.06

BIT RECORD										
Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
2	8.750	ULTERRA DRILLING T	U616M	14877	1797	6x13	1861		--	--
		ULTERRA DRILLING T	U616M	14877			1861		--	--

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	58.50	1755	5131	74.7	87.7	15.0/25.0	70/90	0.778	511	247.9	3.0

MUD DATA - M-I Swaco					LAST OR CURRENT BHA				
Engineer:	BRANDON SMITH	MBT:	0.0 lbm/bbl	BHA No:	2	Bit No:	2	MD In:	1861 ft
Sample From:	In	pH:	10.0	Purpose:	MD Out:				
Mud Type:	OTHER	Pm / Pom:		Component		OD	ID	Jts	Length
Time / MD:	0:01 / 6,793.0	Pf / Mf:	0.4 / 0.5	HWDP	4.500	2.940	4	121.56	
Density @ Temp:	9.30 / 90	Chlorides:	40,000	HWDP	4.500	2.875	4	121.56	
Rheology Temp:	120	Ca+ / K+:	0 / 0	DRILLING JAR	6.250	2.250	1	32.64	
Viscosity:	35.00	CaCl2:		DRILLING JAR	6.375	2.750	1	32.64	
PV / YP:	5 / 11	Clom:		HWDP	4.500	2.940	8	243.07	
Gels 10s/10m/30m:	5 / 6 / 8	Lime:		HWDP	4.500	2.875	8	243.07	
API WL:	45.00	ES:		DRILL COLLAR	6.500	2.875	12	351.00	
HTHP WL:	0.00	ECD:	9.52	SPIRAL DRILL COLLAR	7.930	2.750	12	351.00	
Cake API / HTHP:	1.0 / .0	n / K:	0.00 / 0.000	ORIENTING SUB	6.500	3.250	1	4.94	
Solids / Sol Corr:	0.00 / 0.00	Carbonate:		MWD TOOL	6.500	3.250	1	4.94	
Oil / Water:	0.0 / 4.6	Bicarbonate:	8 ppm	3-POINT REAMER	8.750	2.250	1	7.74	
Sand:	0.20	Form Loss:	0.0 / 0.0	3-POINT REAMER	8.310	2.130	1	7.74	
Water Added:		Fluid Disch:	/	DRILL COLLAR	6.125	2.875	1	29.60	
Oil Added:				Total Length: 1,662.92 ft Wt below Jars:					
LGS:	4.60 / 41.60								
VG Meter:	5@3 / 6@6 / 10@100 / 14@200 / 16@300 / 21@600								
Comments:	0								

MUD PRODUCTS		
Product	Units	Qty Used
AIR COMP RENT	EACH	1.00
CEDAR FIBER CHIP SEAL	BG,40 LB	5.00
DRIVE-BY ENGINEERING	EACH	1.00
DUO-VIS	BG,25 LB	18.00
FIBER SEAL	BG,40 LB	5.00
LIME	BG,50 LB	19.00
M-I GEL BULK	TON	15.00
Mix II MEDIUM	bG, 25 LB	15.00
PECAN NUT PLUG CSE	BG,50 LB	5.00
PREMIX PIT	EACH	1.00
SODA ASH	BG,50 LB	18.00

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY CASEY 7
USA

Date: 04/12/2012
Report No: 6

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 3/4" PRODUCTION HOLE F/ 5237'- T/ 5628' = 391', AVG ROP 98 FPH, WOB 15-20K, TD RPM 85, MM RPM 66, TOTAL RPM 151, FLOW RATE 600 GPM, 1950 PSI OFF BTM, 2150 PSI ON BTM, TORQ. 6K OFF BTM, 9K ON BTM</p> <p>CIRCULATE THRU STEEL PITS MUD WT 9.1 IN, 9.1 OUT VIS 40 IN, 40 OUT PH 11</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 100' TO 150'</p> <p>SAFETY BREAK: HORSEPLAYING</p>
4:00	5:00	1.00	31PRDR	DRILL	MTRVER	PT	<p>DRILL 8 3/4" PRODUCTION HOLE F/ 5628'- T/ 5664' = 36', AVG ROP 36 FPH, WOB 15-20K, TD RPM 85, MM RPM 42, TOTAL RPM 127, FLOW RATE 380 GPM, 910 PSI OFF BTM, 1060 PSI ON BTM, TORQ. 6K OFF BTM, 9K ON BTM</p> <p>NOTE: DRILL WITH #1 PUMP @ 380 GPM</p> <p>CIRCULATE THRU STEEL PITS MUD WT 9.2 IN, 9.2 OUT VIS 40 IN, 40 OUT PH 11</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 100' TO 150'</p> <p>SAFETY BREAK: HORSEPLAYING</p>
5:00	9:00	4.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 8 3/4" PRODUCTION HOLE F/ 5664'- T/ 5897' = 233', AVG ROP 58 FPH, WOB 15-20K, TD RPM 85, MM RPM 66, TOTAL RPM 151, FLOW RATE 600 GPM, 1950 PSI OFF BTM, 2150 PSI ON BTM, TORQ. 6K OFF BTM, 9K ON BTM</p> <p>SURVEY @ 5694', 0.4 INC</p> <p>CIRCULATE THRU STEEL PITS MUD WT 9.3 IN, 9.3 OUT VIS 40 IN, 40 OUT PH 11</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 100' TO 150'</p> <p>SAFETY BREAK: FORKLIFT INSPECTION</p>
9:00	13:00	4.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 8 3/4" PRODUCTION HOLE F/ 5897'- T/ 6137' = 240', AVG ROP 60 FPH, WOB 18-20K, TD RPM 88, MM RPM 66, TOTAL RPM 154, FLOW RATE 600 GPM, 2030 PSI OFF BTM, 2370 PSI ON BTM, TORQ. 6K OFF BTM, 11K ON BTM</p> <p>CIRCULATE THRU STEEL PITS MUD WT 9.2 IN, 9.3 OUT VIS 41 IN, 42 OUT PH 10</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 100' TO 150'</p> <p>SAFETY BREAK: GOOD HOUSEKEEPING</p>
13:00	16:00	3.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 8 3/4" PRODUCTION HOLE F/ 6137'- T/ 6381' = 244', AVG ROP 82 FPH, WOB 18-20K, TD RPM 85, MM RPM 66, TOTAL RPM 151, FLOW RATE 600 GPM, 2092 PSI OFF BTM, 2405 PSI ON BTM, TORQ. 6K OFF BTM, 11K ON BTM</p> <p>CIRCULATE THRU STEEL PITS MUD WT 9.3 IN, 9.4 OUT VIS 42 IN, 42 OUT PH 11</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 100' TO 150'</p> <p>SAFETY BREAK: RIG SERVICE</p>
16:00	16:30	0.50	31PRDR	RIGMT	SRVRIG	P	RIG SERVICE @ 6,381' FT.

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY CASEY 7
 USA

Date: 04/12/2012
Report No: 6

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
16:30	20:30	4.00	31PRDR	DRILL	MTRVER	P	DRILL 8 3/4" PRODUCTION HOLE F/ 6387'- T/ 6694' = 307', AVG ROP 78 FPH, WOB 18-20K, TD RPM 85, MM RPM 66, TOTAL RPM 151, FLOW RATE 600 GPM, 2092 PSI OFF BTM, 2405 PSI ON BTM, TORQ. 6K OFF BTM, 10K ON BTM SURVEY @ 6393', 0.5 INC CIRCULATE THRU STEEL PITS MUD WT 9.2 IN, 9.4 OUT VIS 39 IN, 40 OUT PH 11 PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 100' TO 150' SAFETY BREAK: BEING AWARE OF SNAKES
20:30	0:00	3.50	31PRDR	DRILL	MTRVER	P	DRILL 8 3/4" PRODUCTION HOLE F/ 6694'- T/ 6992' = 298', AVG ROP 85 FPH, WOB 18-20K, TD RPM 85, MM RPM 66, TOTAL RPM 151, FLOW RATE 600 GPM, 2092 PSI OFF BTM, 2405 PSI ON BTM, TORQ. 6K OFF BTM, 10K ON BTM CIRCULATE THRU STEEL PITS MUD WT 9.3 IN, 9.4 OUT VIS 39 IN, 40 OUT PH 11 PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 100' TO 150' SAFETY BREAK: SWING A SLEDGE HAMMER

Total Time 24.00

Safety Incident?	N	Days since Last RI:	98.00	Weather Comments:
Environ Incident?	N	Days since Last LTA:	461.00	
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. AT INTERSECTION OF HIGHWAY 115 AND FM 1788, TURN RIGHT (SOUTH) ONTO FM 1788.DRIVE 1.75 MILES AND TURN LEFT (EAST) ONTO LEASE ROAD. DRIVE 1.85 MILES MILES ON LEASE ROAD. TURN LEFT (NORTH) ONTO LEASE ROAD. DRIVE 1.0 MILE AND ARRIVE AT UNIVERSITY CASEY #7.

TRAILER TEL NUMBER: (713) 948-3590
 FLIGHT FOR LIFE DIRECTIONS: LATITUDE 32°22' 18.55"N, LONGITUDE 102°23'34.8"W, NAD 27

NOTIFIED TRRC OF SPUD @ 22:15 HRS ON 04/07/2012 SPOKE WITH CINDY OPERATOR #4

SAFETY TOPIC OF THE DAY: BEING AWARE OF SNAKES
 DAYS WORKED WITH NO LTA: 461
 DAYS SINCE LAST RI: 98
 NUMBER SAFETY MEETINGS: 10
 NUMBER NEAR MISSES: 0
 STOP CARDS: 16
 DAILY JSA'S REVIEWED: 15
 PERMITS TO WORK: 0
 LO/TO: 1
 PRE-SPUD INSPECTION: 0
 POWER-LINE CHECK LIST: 0
 SWA'S: X

BEST STOP CARD OF THE DAY : OBSERVED HAND WITHOUT PROPER PPE WHILE MIXING CHEMICALS, STOPPED JOB AND EXPLAINED THE HAZARDS. THE HAND COMPLIED AND JOB RESUMED WITHOUT INCIDENT.

TOTAL PT HRS: 4

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CASEY 7
 USA

Date: 04/13/2012
 Report No: 7

Wellbore / Top MD: 00 @ 61 ft Rig: SAVANNA 643 Ref Datum: Original KB @3,050.30ft DFS: 5.83
 Today's MD: 7820 ft Progress: 828 ft Ground Elev: 3,034.90 ft Daily Cost: \$39,741
 Prev MD: 6992 ft Rot Hrs Today: 22.00 hr AFE MD/Days: 11,400.0 / 13.6 days Cum Cost: \$453,525
 PBMD: Avg ROP Today: 37.6 ft/hr AFE Number: 1145998#0102 AFE Cost: \$1,224,234

Current Formation: SA@5,200.0 Lithology:

Current Ops:

24-Hr Summary: DRILL 8 3/4" PRODUCTION HOLE AT 37 FPH

24-Hr Forecast: RR 04/18/2012 ROL 04/19/2012: DRILL 8 3/4" PRODUCTION HOLE

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS		Avg	Max
Last Casing:	9.625in @ 1,861ft	Str Wt Up/Dn:	167.0/ 138.0 kip	Pump Rate:	600.9	Conn:	85	177	
Next Casing:	5.500in @ 11,450ft	Str Wt Rot:	155.0 kip	Pump Press:	2250	Trip:	0	0	
Last BOP Press Test:	04/09/2012	Torq Off Btm:	6,000.0 ft-lbf			Backgr:	125	146	
Form Test/EMW:	FIT / 12.12 ppg	Torq On Btm:	10,000.0 ft-lbf						

PERSONNEL		SURVEY DATA (LAST 6)								
		MD	Incl	Azi	TVD	N-S	E-W	VS	DLS	Build
Supervisor 1:	MONTY KEY	7,600.0	2.00	0.00	10,234.75	73.5	0.0	73.5	0.23	-0.23
Supervisor 2:	AUGIE VELASQUEZ	7,472.0	2.30	0.00	10,106.84	68.7	0.0	68.7	0.34	0.34
Engineer:	IVAN OTERO	7,088.0	1.00	0.00	9,723.01	57.7	0.0	57.7	0.07	0.07
Oxy Personnel:	2	6,393.0	0.50	0.00	9,028.07	48.6	0.0	48.6	0.01	0.01
Contractor Personnel:	15	5,694.0	0.40	0.00	8,329.09	43.1	0.0	43.1	0.06	-0.06
Total on Site:	17	4,868.0	0.90	0.00	7,503.15	33.7	0.0	33.7	0.09	0.09

BIT RECORD

Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
2	8.750	ULTERRA DRILLING T	U616M	14877	1797	6x13	1861	9583	0-1-WT-N	D-I-WT-BHA
		ULTERRA DRILLING T	U616M	14877			1861	9583	--	--

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	22.00	80.50	828	5959	37.6	74.0	15.0/25.0	70/100	0.778	511	247.9	3.0

MUD DATA - M-I SWACO

Engineer: John Kruczek
 Sample From: In
 Mud Type: FW/Gel
 Time / MD: 21:00 / 7,713.0
 Density @ Temp: 9.30 / 95
 Rheology Temp: 120
 Viscosity: 39.00
 PV / YP: 7 / 17
 Gels 10s/10m/30m: 9 / 13 / 15
 API WL: 45.00
 HTHP WL: 0.00
 Cake API / HTHP: 2.0 / .0
 Solids / Sol Corr: 1.90 / 0.00
 Oil / Water: 0.0 / 0.0
 Sand: 0.25
 Water Added: 300.0 bbl
 Oil Added:
 LGS: 4.70 / 42.80

MBT: 10.0 lbm/bbl
 pH: 10.5
 Pm / Pom: 0.00
 Pf / Mf: 1.2 / 1.4
 Chlorides: 38,000
 Ca+ / K+: 440 / 0
 CaCl2: 0.00
 Clom: 0.37
 Lime: 0.00
 ES: 3.80
 ECD: 0.00
 n / K: 0.00 / 0.000
 Carbonate: 24 ppm
 Bicarbonate: 0 ppm
 Form Loss: 0.0 / 0.0
 Fluid Disch: /

VG Meter: 9@3 / 10@6 / 18@100 / 21@200 / 24@300 / 31@600

Comments: Drilled ahead dumping and diluting as necessary. Maintain MW below 9.4ppg. Add Caustic as needed to maintain pH above 10.0. Add 6-8sxs Soda Ash per tour. Pump high vis sweeps as needed.

LAST OR CURRENT BHA

BHA No: 2		Bit No: 2		MD In: 1861 ft	
Purpose:		MD Out: 9583 ft			
Component	OD	ID	Jts	Length	
HWDP	4.500	2.940	4	121.56	
HWDP	4.500	2.875	4	121.56	
DRILLING JAR	6.250	2.250	1	32.64	
DRILLING JAR	6.375	2.750	1	32.64	
HWDP	4.500	2.940	8	243.07	
HWDP	4.500	2.875	8	243.07	
DRILL COLLAR	6.500	2.875	12	351.00	
SPIRAL DRILL COLLAR	7.930	2.750	12	351.00	
ORIENTING SUB	6.500	3.250	1	4.94	
MWD TOOL	6.500	3.250	1	4.94	
3-POINT REAMER	8.750	2.250	1	7.74	
3-POINT REAMER	8.310	2.130	1	7.74	
DRILL COLLAR	6.125	2.875	1	29.60	

Total Length: 1,662.92 ft Wt below Jars:

MUD PRODUCTS

Product	Units	Qty Used
AIR COMP RENT	EACH	1.00
CAUSTIC SODA	BG,50 LB	21.00
DRIVE-BY ENGINEERING	EACH	1.00
DUO-VIS	BG,25 LB	10.00
LIME	BG,50 LB	18.00
M-I GEL BULK	TON	20.00
PREMIX PIT	EACH	1.00
SODA ASH	BG,50 LB	25.00

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY CASEY 7
USA

Date: 04/13/2012
Report No: 7

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	4:00	4.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 8 3/4" PRODUCTION HOLE F/ 6992'- T/ 7227' = 235', AVG ROP 59 FPH, WOB 18-20K, TD RPM 85, MM RPM 66, TOTAL RPM 151, FLOW RATE 600 GPM, 2092 PSI OFF BTM, 2405 PSI ON BTM, TORQ. 6K OFF BTM, 10K ON BTM</p> <p>SURVEY @ 7088', 1.0 INC</p> <p>CIRCULATE THRU STEEL PITS MUD WT 9.3 IN, 9.4 OUT VIS 39 IN, 40 OUT PH 11</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 100' TO 150'</p> <p>SAFETY BREAK: PROPER PPE</p>
4:00	6:00	2.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 8 3/4" PRODUCTION HOLE F/ 7227'- T/ 7317' = 90', AVG ROP 45 FPH, WOB 18-20K, TD RPM 85, MM RPM 66, TOTAL RPM 151, FLOW RATE 600 GPM, 2092 PSI OFF BTM, 2405 PSI ON BTM, TORQ. 6K OFF BTM, 10K ON BTM</p> <p>CIRCULATE THRU STEEL PITS MUD WT 9.4 IN, 9.4 OUT VIS 39 IN, 40 OUT PH 11</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 100' TO 150'</p> <p>SAFETY BREAK: SMOKING AREA</p>
6:00	10:30	4.50	31PRDR	DRILL	MTRVER	P	<p>DRILL 8 3/4" PRODUCTION HOLE F/ 7317'- T/ 7479' = 162', AVG ROP 36 FPH, WOB 18-20K, TD RPM 85, MM RPM 66, TOTAL RPM 151, FLOW RATE 600 GPM, 2100 PSI OFF BTM, 2425 PSI ON BTM, TORQ. 7K OFF BTM, 10K ON BTM</p> <p>CIRCULATE THRU STEEL PITS MUD WT 9.4 IN, 9.4 OUT VIS 39 IN, 40 OUT PH 11</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 100' TO 150'</p> <p>SAFETY BREAK: H2S SAFETY</p>
10:30	12:30	2.00	31PRDR	WLCNTL	NOCIRC	PT	<p>H2S ALARMS WENT OFF @ 7479' FT. PICK UP ,SHUT IN WELL AND MUSTER UP EVERYONE ON LOCATION. WAIT ON TOTAL SAFETY TO ARRIVE. PJSM WITH CREW & GAVE ALL CLEAR.</p> <p>H2S SENSOR ON RIG FLOOR HAD GOTTEN WET WHILE CLEANING FLOOR.</p>
12:30	16:30	4.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 8 3/4" PRODUCTION HOLE F/ 7479'- T/ 7572' = 93', AVG ROP 23 FPH, WOB 15K, TD RPM 100, MM RPM 66, TOTAL RPM 166, FLOW RATE 600 GPM, 2240 PSI OFF BTM, 2335 PSI ON BTM, TORQ. 7K OFF BTM, 10K ON BTM</p> <p>SURVEY @ 7472', 2.3 INC DOUBLE BACKREAM TO CORRECT DEVIATION</p> <p>CIRCULATE THRU STEEL PITS MUD WT 9.3 IN, 9.4OUT VIS 41 IN, 41 OUT PH 11</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 100' TO 150'</p> <p>SAFETY BREAK: ON MEET AND GREET</p>

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY CASEY 7
 USA

Date: 04/13/2012
Report No: 7

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
16:30	20:30	4.00	31PRDR	DRILL	MTRVER	P	DRILL 8 3/4" PRODUCTION HOLE F/ 7572'- T/ 7700' = 128', AVG ROP 32 FPH, WOB 15K, TD RPM 100, MM RPM 66, TOTAL RPM 166, FLOW RATE 600 GPM, 2100 PSI OFF BTM, 2250 PSI ON BTM, TORQ. 6K OFF BTM, 10K ON BTM SURVEY @ 7600', 2.0 INC DOUBLE BACKREAM TO CORRECT DEVIATION CIRCULATE THRU STEEL PITS MUD WT 9.3 IN, 9.3 OUT VIS 40 IN, 41 OUT PH 11 PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 100' TO 150' SAFETY BREAK: HOT WEATHER
20:30	0:00	3.50	31PRDR	DRILL	MTRVER	P	DRILL 8 3/4" PRODUCTION HOLE F/ 7700'- T/ 7820' = 122', AVG ROP 34 FPH, WOB 15K, TD RPM 100, MM RPM 66, TOTAL RPM 166, FLOW RATE 600 GPM, 2100 PSI OFF BTM, 2250 PSI ON BTM, TORQ. 6K OFF BTM, 10K ON BTM DOUBLE BACKREAM TO CORRECT DEVIATION CIRCULATE THRU STEEL PITS MUD WT 9.2 IN, 9.3 OUT VIS 40 IN, 41 OUT PH 11 PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 100' TO 150' SAFETY BREAK: CHANGING TONG DIES

Total Time 24.00

Safety Incident?	N	Days since Last RI:	99.00	Weather Comments:
Environ Incident?	N	Days since Last LTA:	462.00	
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. AT INTERSECTION OF HIGHWAY 115 AND FM 1788, TURN RIGHT (SOUTH) ONTO FM 1788.DRIVE 1.75 MILES AND TURN LEFT (EAST) ONTO LEASE ROAD. DRIVE 1.85 MILES MILES ON LEASE ROAD. TURN LEFT (NORTH) ONTO LEASE ROAD. DRIVE 1.0 MILE AND ARRIVE AT UNIVERSITY CASEY #7.

TRAILER TEL NUMBER: (713) 948-3590
 FLIGHT FOR LIFE DIRECTIONS: LATITUDE 32°22' 18.55"N, LONGITUDE 102°23'34.8"W, NAD 27

NOTIFIED TRRC OF SPUD @ 22:15 HRS ON 04/07/2012 SPOKE WITH CINDY OPERATOR #4

SAFETY TOPIC OF THE DAY: H2S ALARMS
 DAYS WORKED WITH NO LTA: 462
 DAYS SINCE LAST RI: 99
 NUMBER SAFETY MEETINGS: 8
 NUMBER NEAR MISSES: 0
 STOP CARDS: 12
 DAILY JSA'S REVIEWED: 14
 PERMITS TO WORK: 0
 LO/TO: 2
 PRE-SPUD INSPECTION: 0
 POWER-LINE CHECK LIST: 0
 SWA'S: X

BEST STOP CARD OF THE DAY : OBSERVED EMPLOYEE ATTEMPTING TO CHANGE OUT TONG DIES WITHOUT SAFETY GLASSES AND FACE SHIELD, STOPPED JOB AND DISCUSSED SITUATION WITH CREW. ALL AGREED AND JOB CONTINUED WITHOUT INCIDENT.
 TOTAL PT HRS: 3.5

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CASEY 7
 USA

Date: 04/14/2012
 Report No: 8

Wellbore / Top MD: 00 @ 61 ft Rig: SAVANNA 643 Ref Datum: Original KB @3,050.30ft DFS: 6.83
 Today's MD: 9033 ft Progress: 1213 ft Ground Elev: 3,034.90 ft Daily Cost: \$54,624
 Prev MD: 7820 ft Rot Hrs Today: 23.50 hr AFE MD/Days: 11,400.0 / 13.6 days Cum Cost: \$508,149
 PBMD: Avg ROP Today: 51.6 ft/hr AFE Number: 1145998#0102 AFE Cost: \$1,224,234

Current Formation: SPRABERRY@8,550.0 Lithology:

Current Ops:

24-Hr Summary: DRILL 8 3/4" PRODUCTION HOLE AT 66 FPH

24-Hr Forecast: RR 04/18/2012 ROL 04/19/2012: DRILL 8 3/4" PRODUCTION HOLE

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS		Avg	Max
Last Casing:	9.625in @ 1,861ft	Str Wt Up/Dn:	172.0/ 168.0 kip	Pump Rate:	600.9	Conn:	130		225
Next Casing:	5.500in @ 11,450ft	Str Wt Rot:	170.0 kip	Pump Press:	2550	Trip:	0		0
Last BOP Press Test:	04/09/2012	Torq Off Btm:	5,000.0 ft-lbf			Backgr:	241		312
Form Test/EMW:	FIT / 12.12 ppg	Torq On Btm:	9,000.0 ft-lbf						

PERSONNEL		SURVEY DATA (LAST 6)								
Supervisor 1:	MONTY KEY	MD	Incl	Azi	TVD	N-S	E-W	VS	DLS	Build
Supervisor 2:	AUGIE VELASQUEZ	8,548.0	0.20	0.00	11,182.65	85.6	0.0	85.6	0.08	-0.08
Engineer:	IVAN OTERO	8,422.0	0.30	0.00	11,056.65	85.0	0.0	85.0	0.56	-0.56
Geologist:	TIM LYONS	8,296.0	1.00	0.00	10,930.66	83.6	0.0	83.6	0.16	0.16
Oxy Personnel:	2	7,849.0	0.30	0.00	10,483.69	78.5	0.0	78.5	0.68	-0.68
Contractor Personnel:	19	7,600.0	2.00	0.00	10,234.75	73.5	0.0	73.5	0.23	-0.23
Total on Site:	21	7,472.0	2.30	0.00	10,106.84	68.7	0.0	68.7	0.34	0.34

BIT RECORD										
Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
2	8.750	ULTERRA DRILLING T	U616M	14877	1797	6x13	1861	9583	0-1-WT-N	D-I-WT-BHA
		ULTERRA DRILLING T	U616M	14877			1861	9583	--	--

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	104.00	1213	7172	51.6	69.0	15.0/22.0	70/100	0.778	517	247.9	3.0

MUD DATA - M-I SWACO					LAST OR CURRENT BHA				
Engineer:	John Kruczek	MBT:	12.5 lbm/bbl	BHA No:	2	Bit No:	2	MD In:	1861 ft
Sample From:	In	pH:	10.0	Purpose:	MD Out: 9583 ft				
Mud Type:	FW/Gel	Pm / Pom:	0.00	Component		OD	ID	Jts	Length
Time / MD:	19:15 / 8,782.0	Pf / Mf:	0.5 / 0.7	HWDP	4.500	2.940	4	121.56	
Density @ Temp:	9.40 / 95	Chlorides:	53,000	HWDP	4.500	2.875	4	121.56	
Rheology Temp:	120	Ca+ / K+:	960 / 0	DRILLING JAR	6.250	2.250	1	32.64	
Viscosity:	36.00	CaCl2:	0.00	DRILLING JAR	6.375	2.750	1	32.64	
PV / YP:	4 / 17	Clom:	0.25	HWDP	4.500	2.940	8	243.07	
Gels 10s/10m/30m:	10 / 12 / 15	Lime:	0.00	HWDP	4.500	2.875	8	243.07	
API WL:	45.00	ES:	5.00	DRILL COLLAR	6.500	2.875	12	351.00	
HTHP WL:	0.00	ECD:	9.60	SPIRAL DRILL COLLAR	7.930	2.750	12	351.00	
Cake API / HTHP:	2.0 / .0	n / K:	0.00 / 0.000	ORIENTING SUB	6.500	3.250	1	4.94	
Solids / Sol Corr:	2.60 / 0.00	Carbonate:	10 ppm	MWD TOOL	6.500	3.250	1	4.94	
Oil / Water:	0.0 / 0.0	Bicarbonate:	0 ppm	3-POINT REAMER	8.750	2.250	1	7.74	
Sand:	0.25	Form Loss:	0.0 / 0.0	3-POINT REAMER	8.310	2.130	1	7.74	
Water Added:	200.0 bbl	Fluid Disch:	/	DRILL COLLAR	6.125	2.875	1	29.60	
Oil Added:									
LGS:	4.50 / 40.60								

VG Meter: 10@3 / 11@6 / 16@100 / 19@200 / 21@300 / 25@600
 Comments: Dump and dilute as necessary to maintain weight below 9.4ppg. Mix caustic to maintain pH above 10.0. Add 6-8sxs. Soda Ash per tour. Pump high-vis sweeps as necessary.

MUD PRODUCTS		
Product	Units	Qty Used
AIR COMP RENT	EACH	1.00
DRIVE-BY ENGINEERING	EACH	1.00
DUO-VIS	BG,25 LB	3.00
LIME	BG,50 LB	34.00
M-I GEL BULK	TON	8.44
PREMIX PIT	EACH	1.00
SODA ASH	BG,50 LB	35.00

Total Length: 1,662.92 ft Wt below Jars:

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY CASEY 7
USA

Date: 04/14/2012
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 3/4" PRODUCTION HOLE F/ 7820'- T/ 7948' = 128', AVG ROP 32 FPH, WOB 15K, TD RPM 100, MM RPM 66, TOTAL RPM 166, FLOW RATE 600 GPM, 2100 PSI OFF BTM, 2250 PSI ON BTM, TORQ. 6K OFF BTM, 10K ON BTM</p> <p>SURVEY @ 7849', 0.3 INC DOUBLE BACKREAM TO CORRECT DEVIATION</p> <p>CIRCULATE THRU STEEL PITS MUD WT 9.2 IN, 9.3 OUT VIS 39 IN, 40 OUT PH 11</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 100' TO 150'</p> <p>SAFETY BREAK: SURFACE TRACTION</p>
4:00	6:00	2.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 8 3/4" PRODUCTION HOLE F/ 7948'- T/ 8020' = 72', AVG ROP 36 FPH, WOB 18-22K, TD RPM 80, MM RPM 66, TOTAL RPM 146, FLOW RATE 600 GPM, 2185 PSI OFF BTM, 2330 PSI ON BTM, TORQ. 6K OFF BTM, 10K ON BTM</p> <p>CIRCULATE THRU STEEL PITS MUD WT 9.3 IN, 9.4 OUT VIS 39 IN, 40 OUT PH 11</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 100' TO 150'</p> <p>SAFETY BREAK: GOOD COMMUNICATION</p>
6:00	10:00	4.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 8 3/4" PRODUCTION HOLE F/ 8020'- T/ 8214' = 194', AVG ROP 48 FPH, WOB 18-22K, TD RPM 80, MM RPM 66, TOTAL RPM 146, FLOW RATE 600 GPM, 2195 PSI OFF BTM, 2400 PSI ON BTM, TORQ. 6K OFF BTM, 10K ON BTM</p> <p>CIRCULATE THRU STEEL PITS MUD WT 9.2 IN, 9.3 OUT VIS 43 IN, 43 OUT PH 11</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 100' TO 150'</p> <p>SAFETY BREAK: UNLOADING CASING / SPOTTER</p>
10:00	14:00	4.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 8 3/4" PRODUCTION HOLE F/ 8214'- T/ 8500' = 286', AVG ROP 72 FPH, WOB 18-20K, TD RPM 80, MM RPM 66, TOTAL RPM 146, FLOW RATE 600 GPM, 2220 PSI OFF BTM, 2450 PSI ON BTM, TORQ. 5K OFF BTM, 9K ON BTM</p> <p>SURVEY @ 8422 0.3 INC.</p> <p>CIRCULATE THRU STEEL PITS MUD WT 9.3 IN, 9.3 OUT VIS 43 IN, 42 OUT PH 11</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 100' TO 150'</p> <p>SAFETY BREAK: CABLE INSPECTIONS</p>
14:00	14:30	0.50	31PRDR	RIGMT	SRVRIG	P	RIG SERVICE @ 8500' FT.
14:30	17:00	2.50	31PRDR	DRILL	MTRVER	P	<p>DRILL 8 3/4" PRODUCTION HOLE F/ 8500'- T/ 8665' = 165', AVG ROP 66 FPH, WOB 18-20K, TD RPM 80, MM RPM 66, TOTAL RPM 146, FLOW RATE 600 GPM, 2220 PSI OFF BTM, 2450 PSI ON BTM, TORQ. 5K OFF BTM, 9K ON BTM</p> <p>SURVEY @ 8548', 0.2 INC</p> <p>CIRCULATE THRU STEEL PITS MUD WT 9.3 IN, 9.3 OUT VIS 43 IN, 42 OUT PH 11</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 100' TO 150'</p> <p>SAFETY BREAK: STRONG WINDS</p>

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY CASEY 7
 USA

Date: 04/14/2012
Report No: 8

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details	
17:00	17:30	0.50	31PRDR	DRILL	MTRVER	PT	DRILL 8 3/4" PRODUCTION HOLE F/ 8665'- T/ 8680' = 15', AVG ROP 30 FPH, WOB 15K, TD RPM 80, MM RPM 42, TOTAL RPM 122, FLOW RATE 380GPM, 1300 PSI OFF BTM, 1450 PSI ON BTM, TORQ. 5K OFF BTM, 7K ON BTM NOTE: DRILLING WITH #2 PUMP. CHANGE SWAB IN #1 PUMP CIRCULATE THRU STEEL PITS MUD WT 9.3 IN, 9.3 OUT VIS 43 IN, 42 OUT PH 11 PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 100' TO 150' SAFETY BREAK: LOCK OUT/ TAG OUT TRY	
17:30	21:30	4.00	31PRDR	DRILL	MTRVER	P	DRILL 8 3/4" PRODUCTION HOLE F/ 8680'- T/ 8888' = 208', AVG ROP 52 FPH, WOB 18-20K, TD RPM 85, MM RPM 66, TOTAL RPM 151, FLOW RATE 600 GPM, 2275 PSI OFF BTM, 2550 PSI ON BTM, TORQ. 6K OFF BTM, 10K ON BTM CIRCULATE THRU STEEL PITS MUD WT 9.3 IN, 9.4 OUT VIS 38 IN, 40 OUT PH 11 PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 100' TO 150' SAFETY BREAK: CAUSTIC HAZARDS	
21:30	0:00	2.50	31PRDR	DRILL	MTRVER	P	DRILL 8 3/4" PRODUCTION HOLE F/ 8888'- T/ 9033' = 145', AVG ROP 58 FPH, WOB 18-20K, TD RPM 85, MM RPM 66, TOTAL RPM 151, FLOW RATE 600 GPM, 2275 PSI OFF BTM, 2550 PSI ON BTM, TORQ. 6K OFF BTM, 10K ON BTM CIRCULATE THRU STEEL PITS MUD WT 9.3 IN, 9.4 OUT VIS 38 IN, 40 OUT PH 11 PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 100' TO 150' SAFETY BREAK: TOOL USED CORRECTLY	
Total Time		24.00						

Safety Incident? N **Days since Last RI:** 100.00
Environ Incident? N **Days since Last LTA:** 463.00

Incident Comments:
 No incidents reported last 24 hours.

Weather Comments:

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY CASEY 7
USA

Date: 04/14/2012
Report No: 8

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. AT INTERSECTION OF HIGHWAY 115 AND FM 1788, TURN RIGHT (SOUTH) ONTO FM 1788.DRIVE 1.75 MILES AND TURN LEFT (EAST) ONTO LEASE ROAD. DRIVE 1.85 MILES MILES ON LEASE ROAD. TURN LEFT (NORTH) ONTO LEASE ROAD. DRIVE 1.0 MILE AND ARRIVE AT UNIVERSITY CASEY #7.

TRAILER TEL NUMBER: (713) 948-3590

FLIGHT FOR LIFE DIRECTIONS: LATITUDE 32°22' 18.55"N, LONGITUDE 102°23'34.8"W, NAD 27

NOTIFIED TRRC OF SPUD @ 22:15 HRS ON 04/07/2012 SPOKE WITH CINDY OPERATOR #4

SAFETY TOPIC OF THE DAY: WORKING IN WINDY WEATHER

DAYS WORKED WITH NO LTA: 463

DAYS SINCE LAST RI: 100

NUMBER SAFETY MEETINGS: 9

NUMBER NEAR MISSES: 0

STOP CARDS: 14

DAILY JSA'S REVIEWED: 16

PERMITS TO WORK: 0

LO/TO: 3

PRE-SPUD INSPECTION: 0

POWER-LINE CHECK LIST: 0

SWA'S: X

BEST STOP CARD OF THE DAY : NOTICED EMPTY SACKS OF CAUSTIC ON ACTIVE PIT WALKWAY, HELD SAFETY BREAK WITH CREW ON THE HAZARDS OF CAUSTIC AND DISCARDING THE SACKS AS SOON AS THEY WERE EMPTIED. ALL AGREED AND WORK CONTINUED WITHOUT INCIDENT.

TOTAL PT HRS: 3.5

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CASEY 7
 USA

Date: 04/15/2012
 Report No: 9

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	1:00	1.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 8 3/4" PRODUCTION HOLE F/ 9033'- T/ 9090' = 57', AVG ROP 57 FPH, WOB 18-20K, TD RPM 85, MM RPM 66, TOTAL RPM 151, FLOW RATE 600 GPM, 2275 PSI OFF BTM, 2550 PSI ON BTM, TORQ. 6K OFF BTM, 10K ON BTM</p> <p>CIRCULATE THRU STEEL PITS MUD WT 9.4 IN, 9.4 OUT VIS 39 IN, 40 OUT PH 11</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 100' TO 150'</p> <p>SAFETY BREAK: EYEWASH STATIONS</p>
1:00	2:00	1.00	31PRDR	DRILL	MTRVER	PT	<p>DRILL 8 3/4" PRODUCTION HOLE F/ 9090'- T/ 9121' = 31', AVG ROP 31 FPH, WOB 15K, TD RPM 80, MM RPM 42, TOTAL RPM 122, FLOW RATE 380 GPM, 1135 PSI OFF BTM, 1260 PSI ON BTM, TORQ. 5K OFF BTM, 9K ON BTM</p> <p>NOTE: DRILL WITH #1 PUMP @ 380 GPM</p> <p>CIRCULATE THRU STEEL PITS MUD WT 9.4 IN, 9.4 OUT VIS 39 IN, 40 OUT PH 11</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 100' TO 150'</p>
2:00	2:30	0.50	31PRDR	RIGMT	SRVRIG	P	RIG SERVICE / GREASE TOP DRIVE & CHANGE OUT HYD FILTERS ON HOLDING TANKS
2:30	6:00	3.50	31PRDR	DRILL	MTRVER	P	<p>DRILL 8 3/4" PRODUCTION HOLE F/ 9121'- T/ 9327' = 206', AVG ROP 59 FPH, WOB 18-20K, TD RPM 85, MM RPM 66, TOTAL RPM 151, FLOW RATE 600 GPM, 2275 PSI OFF BTM, 2550 PSI ON BTM, TORQ. 6K OFF BTM, 10K ON BTM</p> <p>SURVEY @ 9117', 0.4 INC</p> <p>CIRCULATE THRU STEEL PITS MUD WT 9.4 IN, 9.4 OUT VIS 39 IN, 40 OUT PH 11</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 100' TO 150'</p> <p>SAFETY BREAK: CLEAN WORK AREA</p>
6:00	7:00	1.00	31PRDR	RIGMT	REP	PT	TROUBLESHOOT HYDRAULIC UNIT FOR TOP DRIVE / ALARM LIGHT ON CHANGE OUT ALL HYD FILTERS
7:00	10:00	3.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 8 3/4" PRODUCTION HOLE F/ 9327'- T/ 9464' = 206', AVG ROP 46 FPH, WOB 18-20K, TD RPM 85, MM RPM 66, TOTAL RPM 151, FLOW RATE 600 GPM, 2275 PSI OFF BTM, 2550 PSI ON BTM, TORQ. 6K OFF BTM, 10K ON BTM</p> <p>CIRCULATE THRU STEEL PITS MUD WT 9.3 IN, 9.4 OUT VIS 40 IN, 42OUT PH 11</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 100' TO 150'</p> <p>SAFETY BREAK: FORKLIFT OPS</p>
10:00	12:00	2.00	31PRDR	DRILL	MTRVER	PT	<p>DRILL 8 3/4" PRODUCTION HOLE F/ 9464'- T/ 9507' = 43', AVG ROP 22 FPH, WOB 18-20K, TD RPM 85, MM RPM 42, TOTAL RPM 122, FLOW RATE 380 GPM, 1350 PSI OFF BTM, 1700 PSI ON BTM, TORQ. 6K OFF BTM, 10K ON BTM</p> <p>NOTE: DRILL WITH ONE MUD PUMP</p> <p>CIRCULATE THRU STEEL PITS MUD WT 9.2 IN, 9.3 OUT VIS 45 IN, 43 OUT PH 11</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 100' TO 150'</p> <p>SAFETY BREAK: WORKING ON PUMP</p>

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY CASEY 7
 USA

Date: 04/15/2012
Report No: 9

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
12:00	14:00	2.00	31PRDR	DRILL	MTRVER	P	DRILL 8 3/4" PRODUCTION HOLE F/ 9507'- T/ 9583' = 76', AVG ROP 38 FPH, WOB 18-20K, TD RPM 85, MM RPM 66, TOTAL RPM 151, FLOW RATE 600 GPM, 2275 PSI OFF BTM, 2550 PSI ON BTM, TORQ. 6K OFF BTM, 10K ON BTM SURVEY @ 9438', 1.7 DEG. CIRCULATE THRU STEEL PITS MUD WT 9.3 IN, 9.4 OUT VIS 40 IN, 42OUT PH 11 PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 100' TO 150' SAFETY BREAK: TRIP HAZARDS
14:00	15:00	1.00	31PRDR	CIRC	CNDHOL	P	PJSM CIRCULATE HOLE CLEAN AND PREPARE FOR TRIP OUT OF HOLE @ 9,583' FT.
15:00	18:00	3.00	31PRDR	TRIP	DRILL	P	PULL 5 STANDS WET F/ 9583- T/ 9203, PUMP SLUG (NO FLOW) AND INSTALL WIPER RUBBER; TOH FOR BIT & BHA #3. CONTINUE TRIP OUT F/ 9203' FT.- T/ 7550' FT. HOLE TAKING PROPER FILL SAFETY BREAK: TRIPPING PIPE
18:00	20:30	2.50	31PRDR	RIGMT	REP	PT	TOP DRIVE DOWN, WORKING ON ELECTRIC PLC AND HYD. HOSE DEPTH: 7550' FT. CHECK FOR FLOW / WELL STATIC
20:30	0:00	3.50	31PRDR	TRIP	DRILL	P	POOH F/ 7550' TO 961' CHECK FOR FLOW AT 4447' & SHOE / WELL STATIC HOLE TAKING PROPER FILL SAFETY BREAK: MONITORING WELL

Total Time 24.00

Safety Incident?	N	Days since Last RI:	101.00	Weather Comments:
Environ Incident?	N	Days since Last LTA:	464.00	
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. AT INTERSECTION OF HIGHWAY 115 AND FM 1788, TURN RIGHT (SOUTH) ONTO FM 1788.DRIVE 1.75 MILES AND TURN LEFT (EAST) ONTO LEASE ROAD. DRIVE 1.85 MILES MILES ON LEASE ROAD. TURN LEFT (NORTH) ONTO LEASE ROAD. DRIVE 1.0 MILE AND ARRIVE AT UNIVERSITY CASEY #7.

TRAILER TEL NUMBER: (713) 948-3590
 FLIGHT FOR LIFE DIRECTIONS: LATITUDE 32°22' 18.55"N, LONGITUDE 102°23'34.8"W, NAD 27

NOTIFIED TRRC OF SPUD @ 22:15 HRS ON 04/07/2012 SPOKE WITH CINDY OPERATOR #4

SAFETY TOPIC OF THE DAY: TRIPPING OUT OF HOLE
 DAYS WORKED WITH NO LTA: 464
 DAYS SINCE LAST RI: 101
 NUMBER SAFETY MEETINGS: 10
 NUMBER NEAR MISSES: 0
 STOP CARDS: 16
 DAILY JSA'S REVIEWED: 11
 PERMITS TO WORK: 0
 LO/TO: 2
 PRE-SPUD INSPECTION: 0
 POWER-LINE CHECK LIST: 0
 SWA'S: X

BEST STOP CARD OF THE DAY : HAND WAS STANDING BETWEEN STUMP AND ONCOMING MUD MOTOR BEING PICKED UP, STOPPED JOB AND EXPLAINED THE DANGER. HE AGREED AND JOB CONTINUED WITHOUT INCIDENT.

TOTAL PT HRS: 7

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CASEY 7
 USA

Date: 04/16/2012
 Report No: 10

Wellbore / Top MD: 00 @ 61 ft Rig: SAVANNA 643 Ref Datum: Original KB @3,050.30ft DFS: 8.83
 Today's MD: 10,154 ft Progress: 571 ft Ground Elev: 3,034.90 ft Daily Cost: \$56,389
 Prev MD: 9583 ft Rot Hrs Today: 12.00 hr AFE MD/Days: 11,400.0 / 13.6 days Cum Cost: \$597,889
 PBMD: Avg ROP Today: 47.6 ft/hr AFE Number: 1145998#0102 AFE Cost: \$1,224,234

Current Formation: WOLFCAMP@9,900.0 Lithology:

Current Ops:

24-Hr Summary: TRIP IN HOLE, DRILL 7 7/8" PRODUCTION HOLE AT 57 FPH

24-Hr Forecast: RR 04/18/2012 ROL 04/19/2012: DRILL 7 7/8" PRODUCTION HOLE

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS		Avg	Max
Last Casing:	9.625in @ 1,861ft	Str Wt Up/Dn:	196.0/ 178.0 kip	Pump Rate:	600.9	Conn:	180	255	
Next Casing:	5.500in @ 11,450ft	Str Wt Rot:	188.0 kip	Pump Press:	2550	Trip:	55	275	
Last BOP Press Test:	04/09/2012	Torq Off Btm:	6,000.0 ft-lbf			Backgr:	230	307	
Form Test/EMW:	FIT / 12.12 ppg	Torq On Btm:	10,000.0 ft-lbf						

PERSONNEL		SURVEY DATA (LAST 6)								
Supervisor 1:	MONTY KEY	MD	Incl	Azi	TVD	N-S	E-W	VS	DLS	Build
Supervisor 2:	AUGIE VELASQUEZ	9,692.0	2.00	0.00	12,326.45	102.6	0.0	102.6	0.12	0.12
Engineer:	IVAN OTERO	9,438.0	1.70	0.00	12,072.58	94.4	0.0	94.4	0.40	0.40
Geologist:	TIM LYONS	9,117.0	0.40	0.00	11,751.64	88.5	0.0	88.5	0.04	0.04
Oxy Personnel:	2	8,548.0	0.20	0.00	11,182.65	85.6	0.0	85.6	0.08	-0.08
Contractor Personnel:	13	8,422.0	0.30	0.00	11,056.65	85.0	0.0	85.0	0.56	-0.56
Total on Site:	15	8,296.0	1.00	0.00	10,930.66	83.6	0.0	83.6	0.16	0.16

BIT RECORD										
Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
3	7.875	ULTERRA DRILLING T	U616M	M14387	M423	6x16	9583		--	--
2	8.750	ULTERRA DRILLING T	U616M	14877	1797	6x13	1861	9583	0-1-WT-N	D-I-WT-BHA

BIT OPERATING PARAMETERS TODAY												
Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI
3	12.00	12.00	57	571	47.6	47.6	15.0/25.0	70/90	1.178	223	163.6	1.6

MUD DATA - M-I SWACO					LAST OR CURRENT BHA																																																											
Engineer:	John Kruczek	MBT:	12.5 lbm/bbl	BHA No:	3	Bit No:	3	MD In:	9583 ft																																																							
Sample From:	In	pH:	10.0	Purpose:	MD Out:																																																											
Mud Type:	FW/Gel	Pm / Pom:	0.00	<table border="1"> <thead> <tr> <th>Component</th> <th>OD</th> <th>ID</th> <th>Jts</th> <th>Length</th> </tr> </thead> <tbody> <tr> <td>HWDP</td> <td>4.500</td> <td>2.940</td> <td>4</td> <td>121.56</td> </tr> <tr> <td>DRILLING JAR</td> <td>6.250</td> <td>2.250</td> <td>1</td> <td>32.64</td> </tr> <tr> <td>HWDP</td> <td>4.500</td> <td>2.940</td> <td>8</td> <td>243.07</td> </tr> <tr> <td>DRILL COLLAR</td> <td>6.500</td> <td>2.875</td> <td>12</td> <td>351.00</td> </tr> <tr> <td>ORIENTING SUB</td> <td>6.500</td> <td>3.250</td> <td>1</td> <td>4.94</td> </tr> <tr> <td>3-POINT REAMER</td> <td>7.875</td> <td>2.250</td> <td>1</td> <td>7.64</td> </tr> <tr> <td>DRILL COLLAR</td> <td>6.125</td> <td>2.875</td> <td>1</td> <td>29.60</td> </tr> <tr> <td>3-POINT REAMER</td> <td>7.875</td> <td>2.250</td> <td>1</td> <td>6.78</td> </tr> <tr> <td>POSITIVE DISPLACEMENT MOTOR</td> <td>7.000</td> <td>1.750</td> <td>1</td> <td>32.18</td> </tr> <tr> <td>PDC BIT</td> <td>7.875</td> <td>2.500</td> <td>1</td> <td>1.00</td> </tr> </tbody> </table>						Component	OD	ID	Jts	Length	HWDP	4.500	2.940	4	121.56	DRILLING JAR	6.250	2.250	1	32.64	HWDP	4.500	2.940	8	243.07	DRILL COLLAR	6.500	2.875	12	351.00	ORIENTING SUB	6.500	3.250	1	4.94	3-POINT REAMER	7.875	2.250	1	7.64	DRILL COLLAR	6.125	2.875	1	29.60	3-POINT REAMER	7.875	2.250	1	6.78	POSITIVE DISPLACEMENT MOTOR	7.000	1.750	1	32.18	PDC BIT	7.875	2.500	1	1.00
Component	OD	ID	Jts	Length																																																												
HWDP	4.500	2.940	4	121.56																																																												
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PDC BIT	7.875	2.500	1	1.00																																																												
Time / MD:	17:38 / 9,800.0	Pf / Mf:	0.6 / 0.7	Total Length: 830.41 ft Wt below Jars:																																																												
Density @ Temp:	9.30 / 95	Chlorides:	46,000																																																													
Rheology Temp:	120	Ca+ / K+:	880 / 0																																																													
Viscosity:	38.00	CaCl2:	0.00																																																													
PV / YP:	6 / 16	Clom:	0.35																																																													
Gels 10s/10m/30m:	12 / 15 / 18	Lime:	0.00																																																													
API WL:	45.00	ES:	6.00																																																													
HTHP WL:	0.00	ECD:	0.00																																																													
Cake API / HTHP:	2.0 / .0	n / K:	0.00 / 0.000																																																													
Solids / Sol Corr:	2.30 / 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:	100.0 bbl	Fluid Disch:	/																																																													
Oil Added:																																																																
LGS:	4.20 / 37.90																																																															
VG Meter:	12@3 / 13@6 / 18@100 / 20@200 / 22@300 / 28@600																																																															
Comments:	Dump and dilute as necessary to maintain weight below 9.4ppg. Mix Caustic to keep pH above 10.0. Add 6-8sx. Soda Ash per tour. Pump 60-80 sweeps every 100-150ft. or as needed.																																																															

MUD PRODUCTS		
Product	Units	Qty Used
AIR COMP RENT	EACH	1.00
CAUSTIC SODA	BG,50 LB	1.00
DRIVE-BY ENGINEERING	EACH	1.00
M-I GEL BULK	TON	7.58
PREMIX PIT	EACH	1.00
SODA ASH	BG,50 LB	10.00

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CASEY 7
 USA

Date: 04/16/2012
 Report No: 10

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details	
0:00	2:30	2.50	31PRDR	TRIP	DRILL	P	POOH F/ 961' TO BIT LAYING DOWN 8 3/4" BHA CHECK FOR FLOW AT BHA / WELL STATIC SAFETY BREAK: LAYING DOWN BHA	
2:30	3:00	0.50	31PRDR	OTHR	OTHER	P	CLEAR & CLEAN FLOOR	
3:00	6:00	3.00	31PRDR	TRIP	DRILL	P	PICK UP BHA #3 AS FOLLOWS: TIH TO 1400' 1 - 7 7/8" ULTERRA PDC BIT, U616M, S/N M14387 1 - 6.5" BAKER MUD MTR, M1XL/LS SLICK W/FLOAT (0.11 REV/GAL) 1 - 7 7/8" ROLLER REAMER 1/8" UG 1 - 6.5" DC 1 - 7 7/8" ROLLER REAMER 1/8" UG 1 - 6.5" NOV FLO DRIFT SUB 12 - 6.5" DCS 8 - 4 1/2" HWDP 1 - 6 1/4" DRILLING JARS 4 - 4 1/2" HWDP SAFETY BREAK: PICKING UP BHA / TIH	
6:00	6:30	0.50	31PRDR	RIGMT	SRVRIG	P	SLIP AND CUT DRILL LINE @ 1400' FT.	
6:30	12:00	5.50	31PRDR	TRIP	DRILL	P	TRIP IN HOLE F/ 1400' FT.- T/ 9520' FT. WASH AND REAM LAST STAND TO BOTTOM @ 9583' FT. SAFETY BREAK: TRIPPING PIPE	
12:00	16:00	4.00	31PRDR	DRILL	MTRVER	PT	DRILL 7 7/8" PRODUCTION HOLE F/ 9583'- T/ 9725' = 142', AVG ROP 36 FPH, WOB 20K, TD RPM 80, MM RPM 42, TOTAL RPM 122, FLOW RATE 380 GPM, 1135 PSI OFF BTM, 1380 PSI ON BTM, TORQ. 6K OFF BTM, 10K ON BTM SURVEY @ 9692', 2.0 INC NOTE: DRILL WITH #1 PUMP @ 380 GPM CIRCULATE THRU STEEL PITS MUD WT 9.4 IN, 9.4 OUT VIS 42 IN, 43 OUT PH 10 PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 100' SAFETY BREAK: WORKING ON MUD PUMP	
16:00	19:00	3.00	31PRDR	DRILL	MTRVER	PT	DRILL 7 7/8" PRODUCTION HOLE F/ 9725'- T/ 9862' = 137', AVG ROP 46 FPH, WOB 20K, TD RPM 80, MM RPM 42, TOTAL RPM 122, FLOW RATE 380 GPM, 1135 PSI OFF BTM, 1380 PSI ON BTM, TORQ. 6K OFF BTM, 10K ON BTM NOTE: DRILL WITH #1 PUMP @ 380 GPM CIRCULATE THRU STEEL PITS MUD WT 9.2 IN, 9.3 OUT VIS 41 IN, 42 OUT PH 10 PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 100' SAFETY BREAK: LO/TO TRY	
19:00	0:00	5.00	31PRDR	DRILL	MTRVER	P	DRILL 7 7/8" PRODUCTION HOLE F/ 9862'- T/ 10154' = 292', AVG ROP 58 FPH, WOB 15-20K, TD RPM 85, MM RPM 66, TOTAL RPM 151, FLOW RATE 600 GPM, 2375 PSI OFF BTM, 2550 PSI ON BTM, TORQ. 6K OFF BTM, 10K ON BTM CIRCULATE THRU STEEL PITS MUD WT 9.3 IN, 9.4 OUT VIS 40 IN, 40 OUT PH 10 PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 100' TO 150' SAFETY BREAK: FORKLIFT OPS	
Total Time		24.00						

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CASEY 7
 USA

Date: 04/16/2012
 Report No: 10

Safety Incident?	N	Days since Last RI:	102.00	Weather Comments:
Environ Incident?	N	Days since Last LTA:	465.00	
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. AT INTERSECTION OF HIGHWAY 115 AND FM 1788, TURN RIGHT (SOUTH) ONTO FM 1788.DRIVE 1.75 MILES AND TURN LEFT (EAST) ONTO LEASE ROAD. DRIVE 1.85 MILES MILES ON LEASE ROAD. TURN LEFT (NORTH) ONTO LEASE ROAD. DRIVE 1.0 MILE AND ARRIVE AT UNIVERSITY CASEY #7.

TRAILER TEL NUMBER: (713) 948-3590
 FLIGHT FOR LIFE DIRECTIONS: LATITUDE 32°22' 18.55"N, LONGITUDE 102°23'34.8"W, NAD 27

NOTIFIED TRRC OF SPUD @ 22:15 HRS ON 04/07/2012 SPOKE WITH CINDY OPERATOR #4

SAFETY TOPIC OF THE DAY: PROPER PPE / MIXING MUD
 DAYS WORKED WITH NO LTA: 465
 DAYS SINCE LAST RI: 102
 NUMBER SAFETY MEETINGS: 8
 NUMBER NEAR MISSES: 0
 STOP CARDS: 14
 DAILY JSA'S REVIEWED: 12
 PERMITS TO WORK: 0
 LO/TO: 2
 PRE-SPUD INSPECTION: 0
 POWER-LINE CHECK LIST: 0
 SWA'S: X

BEST STOP CARD OF THE DAY : EMPLOYEE USING A PIPE WRENCH INSTEAD OF THE SHOP HAMMER, DISCUSSED AND SUGGESTED THE PROPER TOOL FOR THE JOB. HE COMPLIED AND JOB CONTINUED WITHOUT INCIDENT.

TOTAL PT HRS: 7

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CASEY 7
 USA

Date: 04/17/2012
 Report No: 11

Wellbore / Top MD: 00 @ 61 ft Rig: SAVANNA 643 Ref Datum: Original KB @3,050.30ft DFS: 9.83
 Today's MD: 11,426 ft Progress: 1272 ft Ground Elev: 3,034.90 ft Daily Cost: \$55,943
 Prev MD: 10,154 ft Rot Hrs Today: 20.50 hr AFE MD/Days: 11,400.0 / 13.6 days Cum Cost: \$653,832
 PBMD: Avg ROP Today: 62.0 ft/hr AFE Number: 1145998#0102 AFE Cost: \$1,224,234

Current Formation: STRAWN@11,080.0 Lithology:

Current Ops:

24-Hr Summary: DRILL 7 7/8" PRODUCTION HOLE TO TD AT 11470', POOH LAYING DOWN DRILL PIPE

24-Hr Forecast: RR 04/19/2012 ROL 04/20/2012: POOH LAYING DOWN DRILL PIPE & BHA, RUN 5.5" PRODUCTION CASING

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS		Avg	Max
Last Casing:	9.625in @ 1,861ft	Str Wt Up/Dn:	214.0/ 206.0 kip	Pump Rate:	600.9	Conn:	215	215	267
Next Casing:	5.500in @ 14,467ft	Str Wt Rot:	210.0 kip	Pump Press:	2750	Trip:	0	0	0
Last BOP Press Test:	04/09/2012	Torq Off Btm:	6,000.0 ft-lbf			Backgr:	302	302	367
Form Test/EMW:	FIT / 12.12 ppg	Torq On Btm:	10,000.0 ft-lbf						

PERSONNEL		SURVEY DATA (LAST 6)								
Supervisor 1:	MONTY KEY	MD	Incl	Azi	TVD	N/-S	E/-W	VS	DLS	Build
Supervisor 2:	AUGIE VELASQUEZ	11,026.0	0.40	0.00	13,660.29	117.9	0.0	117.9	0.07	0.07
Engineer:	IVAN OTERO	10,450.0	0.00	0.00	13,084.30	115.9	0.0	115.9	0.26	-0.26
Geologist:	TIM LYONS	9,692.0	2.00	0.00	12,326.45	102.6	0.0	102.6	0.12	0.12
Oxy Personnel:	2	9,438.0	1.70	0.00	12,072.58	94.4	0.0	94.4	0.40	0.40
Contractor Personnel:	13	9,117.0	0.40	0.00	11,751.64	88.5	0.0	88.5	0.04	0.04
Total on Site:	15	8,548.0	0.20	0.00	11,182.65	85.6	0.0	85.6	0.08	-0.08

BIT RECORD										
Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
3	7.875	ULTERRA DRILLING T	U616M	M14387	M423	6x16	9583		--	--
2	8.750	ULTERRA DRILLING T	U616M	14877	1797	6x13	1861	9583	1-1-WT-N	D-I-WT-BC

BIT OPERATING PARAMETERS TODAY												
Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI
3	20.50	32.50	1272	1843	62.0	56.7	15.0/25.0	70/90	1.178	225	163.6	1.6

MUD DATA - M-I SWACO				LAST OR CURRENT BHA					
Engineer:	John Kruczek	MBT:	12.5 lbm/bbl	BHA No:	3	Bit No:	3	MD In:	9583 ft
Sample From:	In	pH:	10.0	Purpose:	MD Out:				
Mud Type:	FW/Gel	Pm / Pom:	0.00	Component		OD	ID	Jts	Length
Time / MD:	21:45 / 11,341.0	Pf / Mf:	0.6 / 0.9	HWDP	4.500	2.940	4	121.56	
Density @ Temp:	9.40 / 105	Chlorides:	49,000	DRILLING JAR	6.250	2.250	1	32.64	
Rheology Temp:	120	Ca+ / K+:	840 / 0	HWDP	4.500	2.940	8	243.07	
Viscosity:	45.00	CaCl2:	0.00	DRILL COLLAR	6.500	2.875	12	351.00	
PV / YP:	7 / 22	Clom:	0.31	ORIENTING SUB	6.500	3.250	1	4.94	
Gels 10s/10m/30m:	18 / 21 / 24	Lime:	0.00	3-POINT REAMER	7.875	2.250	1	7.64	
API WL:	14.60	ES:	6.00	DRILL COLLAR	6.125	2.875	1	29.60	
HTHP WL:	0.00	ECD:	9.84	3-POINT REAMER	7.875	2.250	1	6.78	
Cake API / HTHP:	2.0 / .0	n / K:	0.00 / 0.000	POSITIVE DISPLACEMENT MOTOR	7.000	1.750	1	32.18	
Solids / Sol Corr:	2.40 / 0.00	Carbonate:	12 ppm	PDC BIT	7.875	2.500	1	1.00	
Oil / Water:	0.0 / 0.0	Bicarbonate:	0 ppm						
Sand:	0.10	Form Loss:	0.0 / 0.0						
Water Added:	300.0 bbl	Fluid Disch:	/						
Oil Added:									
LGS:	4.70 / 43.10								

VG Meter: 18@3 / 19@6 / 23@100 / 26@200 / 29@300 / 36@600
 Comments: Dumped and diluted as necessary to maintain weight below 9.4ppg. Mixed caustic as needed to maintain pH above 10.0. Added 6-8sxs Soda Ash per tour. Mixed 100sxs Starch per DSM. Plan to pump high-vis sweep and TOO. H.

MUD PRODUCTS		
Product	Units	Qty Used
AIR COMP RENT	EACH	1.00
CAUSTIC SODA	BG,50 LB	6.00
DRIVE-BY ENGINEERING	EACH	1.00
DUO-VIS	BG,25 LB	2.00
MY LO JEL	BG,50 LB	100.00
MYACIDE GA25	CAN,5 GA	4.00
PREMIX PIT	EACH	1.00
SODA ASH	BG,50 LB	8.00

Total Length: 830.41 ft Wt below Jars:

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY CASEY 7
USA

Date: 04/17/2012
Report No: 11

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	4:00	4.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 7 7/8" PRODUCTION HOLE F/ 10154'- T/ 10470' = 316', AVG ROP 79 FPH, WOB 15-20K, TD RPM 85, MM RPM 66, TOTAL RPM 151, FLOW RATE 600 GPM, 2375 PSI OFF BTM, 2550 PSI ON BTM, TORQ. 6K OFF BTM, 10K ON BTM</p> <p>CIRCULATE THRU STEEL PITS MUD WT 9.3 IN, 9.4 OUT VIS 40 IN, 40 OUT PH 10</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 100' TO 150'</p> <p>SAFETY BREAK: MAKING TOP DRIVE CONNECTIONS</p>
4:00	6:00	2.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 7 7/8" PRODUCTION HOLE F/ 10470'- T/ 10610' = 104', AVG ROP 70 FPH, WOB 15-20K, TD RPM 85, MM RPM 66, TOTAL RPM 151, FLOW RATE 600 GPM, 2375 PSI OFF BTM, 2550 PSI ON BTM, TORQ. 6K OFF BTM, 10K ON BTM</p> <p>SURVEY @ 10450', 1.0 INC</p> <p>CIRCULATE THRU STEEL PITS MUD WT 9.3 IN, 9.4 OUT VIS 40 IN, 40 OUT PH 10</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 100' TO 150'</p> <p>SAFETY BREAK: DRIVING TO & FROM WORK</p>
6:00	10:00	4.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 7 7/8" PRODUCTION HOLE F/ 10610'- T/ 10909' = 299', AVG ROP 75 FPH, WOB 15-20K, TD RPM 85, MM RPM 66, TOTAL RPM 151, FLOW RATE 600 GPM, 2475 PSI OFF BTM, 2750 PSI ON BTM, TORQ. 6K OFF BTM, 10K ON BTM</p> <p>CIRCULATE THRU STEEL PITS MUD WT 9.3 IN, 9.4 OUT VIS 44 IN, 43 OUT PH 10</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 100' TO 150'</p> <p>SAFETY BREAK: PIPE SKATE OPERATIONS</p>
10:00	13:30	3.50	31PRDR	DRILL	MTRVER	P	<p>DRILL 7 7/8" PRODUCTION HOLE F/ 10,909'- T/ 11,118' = 209', AVG ROP 60 FPH, WOB 15-20K, TD RPM 85, MM RPM 66, TOTAL RPM 151, FLOW RATE 600 GPM, 2475 PSI OFF BTM, 2750 PSI ON BTM, TORQ. 6K OFF BTM, 10K ON BTM</p> <p>SURVEY @ 11026', 0.4 INC</p> <p>CIRCULATE THRU STEEL PITS MUD WT 9.3 IN, 9.4 OUT VIS 44 IN, 43 OUT PH 10</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 100' TO 150'</p> <p>SAFETY BREAK: 100% TIE OFF 4' AND ABOVE</p>
13:30	17:00	3.50	31PRDR	RIGMT	REP	PT	<p>NIPPLE ON GOOSENECK HAMMER UNION LEAKING, SHUT DOWN AND TAKE UNION OFF AND INSPECT. RE-TEFLON AND MAKE NIPPLE BACK UP AND MAKE UP UNION. WORK PIPE AND ROTATE WHILE MAKING REPAIRS.</p> <p>SAFETY BREAK: BACKING OUT NIPPLE ON TOP DRIVE GOOSENECK & MAKING BACK UP</p>
17:00	21:00	4.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 7 7/8" PRODUCTION HOLE F/ 11,118'- T/ 11,302' = 184', AVG ROP 46 FPH, WOB 15-20K, TD RPM 85, MM RPM 66, TOTAL RPM 151, FLOW RATE 600 GPM, 2475 PSI OFF BTM, 2750 PSI ON BTM, TORQ. 6K OFF BTM, 10K ON BTM</p> <p>CIRCULATE THRU STEEL PITS MUD WT 9.4 IN, 9.4 OUT VIS 41 IN, 41 OUT PH 10</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 100' TO 150'</p> <p>SAFETY BREAK: HEAD PROTECTION</p>

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY CASEY 7
 USA

Date: 04/17/2012
Report No: 11

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
21:00	0:00	3.00	31PRDR	DRILL	MTRVER	P	DRILL 7 7/8" PRODUCTION HOLE F/ 11,302'- T/ 11,426' = 124', AVG ROP 41 FPH, WOB 15-20K, TD RPM 85, MM RPM 66, TOTAL RPM 151, FLOW RATE 600 GPM, 2475 PSI OFF BTM, 2750 PSI ON BTM, TORQ. 6K OFF BTM, 10K ON BTM CIRCULATE THRU STEEL PITS MUD WT 9.4 IN, 9.4 OUT VIS 41 IN, 41 OUT PH 10 PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 100' TO 150' SAFETY BREAK: NOT RUSHING OR TAKING SHORT CUTS

Total Time 24.00

Safety Incident?	N	Days since Last RI:	103.00	Weather Comments:
Environ Incident?	N	Days since Last LTA:	466.00	
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. AT INTERSECTION OF HIGHWAY 115 AND FM 1788, TURN RIGHT (SOUTH) ONTO FM 1788.DRIVE 1.75 MILES AND TURN LEFT (EAST) ONTO LEASE ROAD. DRIVE 1.85 MILES MILES ON LEASE ROAD. TURN LEFT (NORTH) ONTO LEASE ROAD. DRIVE 1.0 MILE AND ARRIVE AT UNIVERSITY CASEY #7.

TRAILER TEL NUMBER: (713) 948-3590
 FLIGHT FOR LIFE DIRECTIONS: LATITUDE 32°22' 18.55"N, LONGITUDE 102°23'34.8"W, NAD 27

NOTIFIED TRRC OF SPUD @ 22:15 HRS ON 04/07/2012 SPOKE WITH CINDY OPERATOR #4

SAFETY TOPIC OF THE DAY: DRIVING TO & FROM WORK
 DAYS WORKED WITH NO LTA: 466
 DAYS SINCE LAST RI: 103
 NUMBER SAFETY MEETINGS: 9
 NUMBER NEAR MISSES: 0
 STOP CARDS: 16
 DAILY JSA'S REVIEWED: 12
 PERMITS TO WORK: 0
 LO/TO: 2
 PRE-SPUD INSPECTION: 0
 POWER-LINE CHECK LIST: 0
 SWA'S: X

BEST STOP CARD OF THE DAY : HAND ATTEMPTING TO WORK ON LEAKING GOOSENECK WITHOUT BEING 100 % TIED-OFF, DISCUSSED THE SAFETY POLICY AND INSTRUCTED HIM TO ALWAYS BE COMPLETELY TIED-OFF WHILE WORKING ABOVE FOUR FEET. HE COMPLIED AND WORK RESUMED WITHOUT INCIDENT.

TOTAL PT HRS: 10.5

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CASEY 7
 USA

Date: 04/18/2012
 Report No: 12

Wellbore / Top MD: 00 @ 61 ft Rig: SAVANNA 643 Ref Datum: Original KB @3,050.30ft DFS: 10.83
 Today's MD: 11,470 ft Progress: 44 ft Ground Elev: 3,034.90 ft Daily Cost: \$31,984
 Prev MD: 11,426 ft Rot Hrs Today: 1.00 hr AFE MD/Days: 11,400.0 / 13.6 days Cum Cost: \$685,816
 PBMD: Avg ROP Today: 44.0 ft/hr AFE Number: 1145998#0102 AFE Cost: \$1,224,234

Current Formation: STRAWN@11,080.0 Lithology:

Current Ops:
 24-Hr Summary: POOH LAYING DOWN DRILL PIPE & BHA, RUN 5.5" PRODUCTION CASING
 24-Hr Forecast: RR 04/19/2012 ROL 04/21/2012:RUN & CMT 5.5" PROD CSG. HANG BOP & SET SLIPS, N/D BOP. INSTALL TUBING HEAD. RELEASE RIG, PR

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS		Avg	Max
Last Casing:	9.625in @ 1,861ft	Str Wt Up/Dn:	214.0/ 206.0 kip	Pump Rate:	600.9	Conn:			
Next Casing:	5.500in @ 14,467ft	Str Wt Rot:	210.0 kip	Pump Press:	2750	Trip:			
Last BOP Press Test:	04/09/2012	Torq Off Btm:	6,000.0 ft-lbf			Backgr:	25	43	
Form Test/EMW:	FIT / 12.12 ppg	Torq On Btm:	10,000.0 ft-lbf						

PERSONNEL		SURVEY DATA (LAST 6)								
Supervisor 1:	BILL LORANCE	MD	Incl	Azi	TVD	N-S	E-W	VS	DLS	Build
Supervisor 2:	AUGIE VELASQUEZ	11,381.0	0.30	0.00	14,015.28	120.0	0.0	120.0	0.03	-0.03
Engineer:	IVAN OTERO	11,026.0	0.40	0.00	13,660.29	117.9	0.0	117.9	0.07	0.07
Geologist:	TIM LYONS	10,450.0	0.00	0.00	13,084.30	115.9	0.0	115.9	0.26	-0.26
Oxy Personnel:	2	9,692.0	2.00	0.00	12,326.45	102.6	0.0	102.6	0.12	0.12
Contractor Personnel:	21	9,438.0	1.70	0.00	12,072.58	94.4	0.0	94.4	0.40	0.40
Total on Site:	23	9,117.0	0.40	0.00	11,751.64	88.5	0.0	88.5	0.04	0.04

BIT RECORD										
Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
3	7.875	ULTERRA DRILLING T	U616M	M14387	M423	6x16	9583	11,470	1-1-NO-A	D-I-NO-TD

BIT OPERATING PARAMETERS TODAY												
Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI
3	1.00	33.50	44	1887	44.0	56.3	15.0/25.0	70/90	1.178	225	163.6	1.6

MUD DATA - M-I SWACO	
Engineer: John Kruczek	MBT: 12.5 lbm/bbl
Sample From: In	pH: 10.0
Mud Type: FW/Gel	Pm / Pom: 0.00
Time / MD: 22:30 / 11,470.0	Pf / Mf: 0.7 / 0.9
Density @ Temp: 9.50 / 95	Chlorides: 47,000
Rheology Temp: 120	Ca+ / K+: 880 / 0
Viscosity: 44.00	CaCl2: 0.00
PV / YP: 6 / 23	Clom: 0.27
Gels 10s/10m/30m: 17 / 19 / 22	Lime: 0.00
API WL: 14.00	ES: 7.00
HTHP WL: 0.00	ECD: 9.70
Cake API / HTHP: 2.0 / .0	n / K: 0.00 / 0.000
Solids / Sol Corr: 2.30 / 0.00	Carbonate: 14 ppm
Oil / Water: 0.0 / 0.0	Bicarbonate: 0 ppm
Sand: 0.10	Form Loss: 0.0 / 0.0
Water Added: 100.0 bbl	Fluid Disch: /
Oil Added:	
LGS: 5.60 / 51.40	

LAST OR CURRENT BHA					
BHA No: 3	Bit No: 3	MD In: 9583 ft			
Purpose:		MD Out: 11,470 ft			
Component	OD	ID	Jts	Length	
HWDP	4.500	2.940	4	121.56	
DRILLING JAR	6.250	2.250	1	32.64	
HWDP	4.500	2.940	8	243.07	
DRILL COLLAR	6.500	2.875	12	351.00	
ORIENTING SUB	6.500	3.250	1	4.94	
3-POINT REAMER	7.875	2.250	1	7.64	
DRILL COLLAR	6.125	2.875	1	29.60	
3-POINT REAMER	7.875	2.250	1	6.78	
POSITIVE DISPLACEMENT MOTOR	7.000	1.750	1	32.18	
PDC BIT	7.875	2.500	1	1.00	

VG Meter: 17@3 / 18@6 / 20@100 / 22@200 / 29@300 / 35@600
 Comments: NO ADDITIONAL TREATMENT NEEDED. PLAN TO CALL FOR TRUCKS TO TRANSFER INVENTORY TO NEW LOCATION.

Total Length: 830.41 ft Wt below Jars:

MUD PRODUCTS		
Product	Units	Qty Used
AIR COMP RENT	EACH	1.00
DRIVE-BY ENGINEERING	EACH	1.00
M-I WATE (BARITE)	100 LBS/SK	72.00
PREMIX PIT	EACH	1.00

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CASEY 7
 USA

Date: 04/18/2012
 Report No: 12

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	1:00	1.00	31PRDR	DRILL	MTRVER	P	<p>DRILL 7 7/8" PRODUCTION HOLE F/ 11,426'- T/ 11,470' TD = 44', AVG ROP 29 FPH, WOB 15-20K, TD RPM 85, MM RPM 66, TOTAL RPM 151, FLOW RATE 600 GPM, 2475 PSI OFF BTM, 2750 PSI ON BTM, TORQ. 6K OFF BTM, 10K ON BTM</p> <p>SURVEY @ 11381', 0.3 INC</p> <p>CIRCULATE THRU STEEL PITS MUD WT 9.4 IN, 9.4 OUT VIS 41 IN, 41 OUT PH 10</p> <p>PUMP 20 BBL 60+ VIS GEL & LCM SWEEP EVERY 100' TO 150'</p> <p>PUMPED 50 BBL HI - VIS SWEEP ON LAST CONNECTION PRIOR TO TD</p>
1:00	2:30	1.50	31PRDR	CIRC	CNDHOL	P	<p>CIRCULATE TWO BTMS UP FLOWCHECK / WELL STATIC</p> <p>SAFETY BREAK: TRIPPING OUT OF HOLE</p>
2:30	6:00	3.50	31PRDR	TRIP	PULD	P	<p>POOH LAYING DOWN DRILL PIPE FROM 11470' TO 9352'</p> <p>FLOWCHECK @ 11320' / WELL STATIC, PUMP SLUG</p> <p>SAFETY BREAK: PULLING SLIPS</p>
6:00	10:00	4.00	31PRDR	TRIP	PULD	P	<p>POOH LAYING DOWN DRILL PIPE FROM 9352' TO 5632'</p> <p>FLOWCHECK @ 6600' / WELL STATIC</p> <p>SAFETY BREAK: USING PIPE SKATE</p>
10:00	14:30	4.50	31PRDR	TRIP	PULD	P	<p>POOH LAYING DOWN DRILL PIPE FROM 5632' TO 830' BHA</p> <p>FLOWCHECK @ 1800' SHOE & BHA / WELL STATIC</p> <p>SAFETY BREAK: MONITORING WELL</p>
14:30	17:30	3.00	31PRDR	TRIP	PULD	P	<p>POOH LAYING DOWN BHA FROM 830' TO BIT</p> <p>RETRIEVE WEAR BUSHING</p> <p>SAFETY BREAK: LAYING DOWN BHA</p>
17:30	19:30	2.00	31PRRC	CSG	RIGUP	P	<p>CLEAN & CLEAR FLOOR, GET READY TO RUN 5.5 PRODUCTION CASING</p> <p>PJSM WITH B & L CASING</p> <p>RIG UP CASING CREW / TORQUE TURN</p>

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY CASEY 7
 USA

Date: 04/18/2012
Report No: 12

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
19:30	0:00	4.50	31PRRC	CSG	RUNCSG	P	RUN 5.5" PRODUCTION CASING PER PROG TO 3058' VISUALLY INSPECT FLOAT EQUIPMENT FOR DAMAGE AND PROPER OPERATION: • FLOAT SHOE – MODEL E303-THREAD LOCKED TORQUE TO 4260, SET @ 11,467' • 2 JOINTS 5½" 17# L80 LTC CASING-THREAD LOCKED TORQUE TO 4260 • FLOAT COLLAR – MODEL E402-THREAD LOCKED TORQUE TO 4260, SET @ 11,380' • 5½" 17# L80 LTC CASING TO 7000 FT, TORQUE TO 3410 • INCLUDE A FLAG JOINT TO BE LOCATED AT ~8500', TORQUE TO 3410, SET @ 8,507' • 5½" 17# L80 LTC RYT WRAPPED CASING FROM 7000 FT TO 5000 FT, TORQUE TO 3410 • 5½" 17# L80 LTC CASING FROM 5000 FT TO SURFACE, TORQUE TO 3410 INSTALL WEATHERFORD SINGLE BOW SPRING CENTRALIZERS (PART NUMBER: B1103651) AS FOLLOWS: • 1 BOW SPRING 10' ABOVE SHOE • 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 7000 FT • 1 BOW SPRING EVERY 3 JOINTS FROM 7000 FT TO 5000 FT (RYT WRAP CENTRALIZERS PART NUMBER: 823355) • 1 RIGID CENTRALIZER (PART NUMBER 572288) AT THE FIRST COUPLING BELOW THE WELLHEAD • ESTIMATED NUMBER OF BOW SPRING CENTRALIZERS NEEDED: 50 • RYT WRAP CENTRALIZERS: 17 FILL UP ON THE FLY AND EVERY 10 JOINTS COMPLETE SAFETY BREAK: FILLING UP / MONITOR WELL
Total Time		24.00					

Safety Incident?	N	Days since Last RI:	104.00	Weather Comments:
Environ Incident?	N	Days since Last LTA:	467.00	
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. AT INTERSECTION OF HIGHWAY 115 AND FM 1788, TURN RIGHT (SOUTH) ONTO FM 1788.DRIVE 1.75 MILES AND TURN LEFT (EAST) ONTO LEASE ROAD. DRIVE 1.85 MILES MILES ON LEASE ROAD. TURN LEFT (NORTH) ONTO LEASE ROAD. DRIVE 1.0 MILE AND ARRIVE AT UNIVERSITY CASEY #7.

TRAILER TEL NUMBER: (713) 948-3590
 FLIGHT FOR LIFE DIRECTIONS: LATITUDE 32°22' 18.55"N, LONGITUDE 102°23'34.8"W, NAD 27

NOTIFIED TRRC OF SPUD @ 22:15 HRS ON 04/07/2012 SPOKE WITH CINDY OPERATOR #4

SAFETY TOPIC OF THE DAY: CASING RUNNING TOOL
 DAYS WORKED WITH NO LTA: 467
 DAYS SINCE LAST RI: 104
 NUMBER SAFETY MEETINGS: 10
 NUMBER NEAR MISSES: 0
 STOP CARDS: 12
 DAILY JSA'S REVIEWED: 15
 PERMITS TO WORK: 0
 LO/TO: 2
 PRE-SPUD INSPECTION: O
 POWER-LINE CHECK LIST: 0
 SWA'S: X

BEST STOP CARD OF THE DAY : HAND STANDING AT BOTTOM OF V-DOOR WHILE DRILL COLLAR WAS BEING LAID DOWN. STOPPED JOB AND DISCUSSED THE DANGER WITH CREW. ALL AGREED AND JOB CONTINUED WITHOUT INCIDENT.

TOTAL PT HRS: 10.5

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CASEY 7
 USA

Date: 04/19/2012
 Report No: 13

Wellbore / Top MD: 00 @ 61 ft Rig: SAVANNA 643 Ref Datum: Original KB @3,050.30ft DFS: 11.83
 Today's MD: 11,470 ft Progress: 0 ft Ground Elev: 3,034.90 ft Daily Cost: \$360,213
 Prev MD: 11,470 ft Rot Hrs Today: 0.00 hr AFE MD/Days: 11,400.0 / 13.6 days Cum Cost: \$1,046,029
 PBMD: Avg ROP Today: 0.0 ft/hr AFE Number: 1145998#0102 AFE Cost: \$1,224,234

Current Formation: STRAWN@11,080.0 Lithology:

Current Ops:

24-Hr Summary: RAN 5.5" PRODUCTION STRING TO 11470', AND PUMPED CEMENT

24-Hr Forecast: RR 04/20/2012 ROL 04/21/2012: NIPPLE DOWN. INSTALL WELL HEAD & RELEASE RIG

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS		Avg	Max
Last Casing:	9.625in @ 1,861ft	Str Wt Up/Dn:	/	Pump Rate:	0.0	Conn:			
Next Casing:	5.500in @ 14,467ft	Str Wt Rot:		Pump Press:	0	Trip:			
Last BOP Press Test:	04/09/2012	Torq Off Btm:				Backgr:			
Form Test/EMW:	FIT / 12.12 ppg	Torq On Btm:							

PERSONNEL		SURVEY DATA (LAST 6)								
Supervisor 1:	BILL LORANCE	MD	Incl	Azi	TVD	N-S	E-W	VS	DLS	Build
Supervisor 2:	DARRELL WERTHER	11,381.0	0.30	0.00	14,015.28	120.0	0.0	120.0	0.03	-0.03
Engineer:	IVAN OTERO	11,026.0	0.40	0.00	13,660.29	117.9	0.0	117.9	0.07	0.07
Geologist:	TIM LYONS	10,450.0	0.00	0.00	13,084.30	115.9	0.0	115.9	0.26	-0.26
Oxy Personnel:	2	9,692.0	2.00	0.00	12,326.45	102.6	0.0	102.6	0.12	0.12
Contractor Personnel:	13	9,438.0	1.70	0.00	12,072.58	94.4	0.0	94.4	0.40	0.40
Total on Site:	15	9,117.0	0.40	0.00	11,751.64	88.5	0.0	88.5	0.04	0.04

BIT RECORD										
Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
3	7.875	ULTERRA DRILLING T	U616M	M14387	M423	6x16	9583	11,470	1-1-NO-A	1-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

MUD DATA - M-J SWACO				LAST OR CURRENT BHA					
Engineer: John Kruczek	MBT:	12.5 lbm/bbl	BHA No: 3	Bit No: 3	MD In: 9583 ft				
Sample From: In	pH:	10.0	Purpose:	MD Out: 11,470 ft					
Mud Type: FW/Gel	Pm / Pom:	0.00	Component		OD	ID	Jts	Length	
Time / MD: 19:00 / 11,470.0	Pf / Mf:	0.6 / 0.9	HWDP	4.500	2.940	4	121.56		
Density @ Temp: 9.50 / 90	Chlorides:	48,000	DRILLING JAR	6.250	2.250	1	32.64		
Rheology Temp: 120	Ca+ / K+:	880 / 0	HWDP	4.500	2.940	8	243.07		
Viscosity: 44.00	CaCl2:	0.00	DRILL COLLAR	6.500	2.875	12	351.00		
PV / YP: 5 / 25	Clom:	0.22	ORIENTING SUB	6.500	3.250	1	4.94		
Gels 10s/10m/30m: 15 / 17 / 19	Lime:	0.00	3-POINT REAMER	7.875	2.250	1	7.64		
API WL: 14.00	ES:	6.00	DRILL COLLAR	6.125	2.875	1	29.60		
HTHP WL: 0.00	ECD:	9.50	3-POINT REAMER	7.875	2.250	1	6.78		
Cake API / HTHP: 2.0 / .0	n / K:	0.00 / 0.000	POSITIVE DISPLACEMENT MOTOR	7.000	1.750	1	32.18		
Solids / Sol Corr: 2.40 / 0.00	Carbonate:	12 ppm	PDC BIT	7.875	2.500	1	1.00		
Oil / Water: 0.0 / 0.0	Bicarbonate:	0 ppm							
Sand: 0.10	Form Loss:	0.0 / 0.0							
Water Added: 0.0 bbl	Fluid Disch:	/							
Oil Added:									
LGS: 5.60 / 50.80									

VG Meter: 15@3 / 16@6 / 19@100 / 21@200 / 30@300 / 35@600
 Comments: NO MUD TREATMENT NECESSARY. ACCOUNTED FOR ALL ON-SITE INVENTORY.

Total Length: 830.41 ft Wt below Jars:

MUD PRODUCTS		
Product	Units	Qty Used
AIR COMP RENT	EACH	1.00
DRIVE-BY ENGINEERING	EACH	1.00
MICA FINE	BG,50 LB	3.00
Mix II Course	bG, 25 LBS	5.00
Pecan Nut Plug Fine	Bag, 50 lb	5.00
PREMIX PIT	EACH	1.00
SAPP	BG,50 LB	8.00

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CASEY 7
 USA

Date: 04/19/2012
 Report No: 13

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details	
0:00	6:00	6.00	31PRRC	CSG	RUNCSG	P	RUN 5.5" PRODUCTION CASING PER PROG F/ 3058' TO 6942' VISUALLY INSPECT FLOAT EQUIPMENT FOR DAMAGE AND PROPER OPERATION, • FLOAT SHOE – MODEL E303-THREAD LOCKED TORQUE TO 4260, SET @ 11,467' • 2 JOINTS 5½" 17# L80 LTC CASING-THREAD LOCKED TORQUE TO 4260 • FLOAT COLLAR – MODEL E402-THREAD LOCKED TORQUE TO 4260, SET @ 11,380' • 5½" 17# L80 LTC CASING TO 7000 FT, TORQUE TO 3410 • INCLUDE A FLAG JOINT TO BE LOCATED AT ~8500', TORQUE TO 3410, SET @ 8,507' • 5½" 17# L80 LTC RYT WRAPPED CASING FROM 7000 FT TO 5000 FT, TORQUE TO 3410 • 5½" 17# L80 LTC CASING FROM 5000 FT TO SURFACE, TORQUE TO 3410 INSTALL WEATHERFORD SINGLE BOW SPRING CENTRALIZERS (PART NUMBER: B1103651) AS FOLLOWS: • 1 BOW SPRING 10' ABOVE SHOE • 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 7000 FT • 1 BOW SPRING EVERY 3 JOINTS FROM 7000 FT TO 5000 FT (RYT WRAP CENTRALIZERS PART NUMBER: 823355) • 1 RIGID CENTRALIZER (PART NUMBER 572288) AT THE FIRST COUPLING BELOW THE WELLHEAD • ESTIMATED NUMBER OF BOW SPRING CENTRALIZERS NEEDED: 50 • RYT WRAP CENTRALIZERS: 17 FILL UP ON THE FLY AND EVERY 10 JOINTS COMPLETE SAFETY BREAK: GOOD COMMUNICATION	
6:00	11:00	5.00	31PRRC	CSG	RUNCSG	P	RUNNING 5 1/2" CASING	
11:00	12:30	1.50	31PRRC	WAIT	WOEQ	PT	WAIT ON TOTAL SAFETY AFTER ALARM WENT OFF. ALL CLEAR BATTERY ON SHAKER SCREEN MONTOR WENT OFF SAFETY BREAK: H2S SAFETY	
12:30	13:00	0.50	31PRRC	CSG	RUNCSG	P	FINISH TRIP IN HOLE 11, 467'	
13:00	15:00	2.00	31PRRC	CIRC	CNDHOL	P	CIRCULATE HOLE 2 BOTTOMS UP AND RIG DOWN CASING CREW EQUIPMENT	
15:00	16:30	1.50	31PRRC	CIRC	MIXBLD	PT	WAITING ON HALLIBURTON PUMP TRUCK ON LOCATION, WAIT ON CEMENT	
16:30	18:30	2.00	31PRRC	WAIT	WOEQ	PT	H2S ALARM WENT OFF WAIT ON PERSONAL GAVE ALL CLEAR	
18:30	21:30	3.00	31PRRC	WAIT	WOEQ	PT	WAITING ON HALLIBURTON PUMP TRUCK ON LOCATION, WAIT ON CEMENT	
21:30	0:00	2.50	31PRRC	CMT	PRIM	P	HOLD PJSM WITH HALLIBURTON AND PUMPED CEMENT JOB AS FOLLOWS PERSONAL H2S SENSORS SOUNDED WHILE PUMPING CEMENT MUSTERED UP HANDS AND WERE CLEARED TO CONTINUE CEMENTING 10 BBL FRESH WATER SPACER @ 8 BBL/MIN 20 BBL GEL SPACER @ 8 BBL/MIN 480 SX OF 11.7 LEAD CEMENT @ 8 BBL/MIN 810 SX OF 13.0 TAIL CEMENT @ 5 BBL MIN 263 BBL OF BRINE WATER @ 10 BBL/MIN BUMPED PLUG @ 2600 PSI AND INCREASED TO 3100 PSI	
Total Time		24.00						

Safety Incident?	N	Days since Last RI:	105.00	Weather Comments:
Environ Incident?	N	Days since Last LTA:	468.00	
Incident Comments: No incidents reported last 24 hours.				

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY CASEY 7
USA

Date: 04/19/2012
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. AT INTERSECTION OF HIGHWAY 115 AND FM 1788, TURN RIGHT (SOUTH) ONTO FM 1788.DRIVE 1.75 MILES AND TURN LEFT (EAST) ONTO LEASE ROAD. DRIVE 1.85 MILES MILES ON LEASE ROAD. TURN LEFT (NORTH) ONTO LEASE ROAD. DRIVE 1.0 MILE AND ARRIVE AT UNIVERSITY CASEY #7.

TRAILER TEL NUMBER: (713) 948-3590

FLIGHT FOR LIFE DIRECTIONS: LATITUDE 32°22' 18.55"N, LONGITUDE 102°23'34.8"W, NAD 27

NOTIFIED TRRC OF SPUD @ 22:15 HRS ON 04/07/2012 SPOKE WITH CINDY OPERATOR #4

SAFETY TOPIC OF THE DAY: CASING RUNNING TOOL

DAYS WORKED WITH NO LTA: 468

DAYS SINCE LAST RI: 105

NUMBER SAFETY MEETINGS: 10

NUMBER NEAR MISSES: 0

STOP CARDS: 12

DAILY JSA'S REVIEWED: 15

PERMITS TO WORK: 0

LO/TO: 2

PRE-SPUD INSPECTION: 0

POWER-LINE CHECK LIST: 0

SWA'S: X

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

TOTAL PT HRS: 10.5

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT

UNIVERSITY CASEY 7
 USA

Date: 04/20/2012
 Report No: 14

Wellbore / Top MD: 00 @ 61 ft Rig: SAVANNA 643 Ref Datum: Original KB @3,050.30ft DFS: 12.08
 Today's MD: 11,470 ft Progress: 0 ft Ground Elev: 3,034.90 ft Daily Cost: \$55,398
 Prev MD: 11,470 ft Rot Hrs Today: AFE MD/Days: 11,400.0 / 13.6 days Cum Cost: \$1,101,427
 PBMD: Avg ROP Today: 0.0 ft/hr AFE Number: 1145998#0102 AFE Cost: \$1,224,234

Current Formation: STRAWN@11,080.0 Lithology:

Current Ops:
 24-Hr Summary: CEMENT, NIPPLE DOWN BOP, SET SLIPS, CUT OFF CASING AND INSTALLED WELL HEAD RELEASED RIG 06:00
 24-Hr Forecast: RIG RELEASE TO LIZBY # 4

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS		Avg	Max
Last Casing:	9.625in @ 1,861ft	Str Wt Up/Dn:	/	Pump Rate:	0.0	Conn:			
Next Casing:	5.500in @ 14,467ft	Str Wt Rot:		Pump Press:	0	Trip:			
Last BOP Press Test:	04/09/2012	Torq Off Btm:				Backgr:			
Form Test/EMW:	FIT / 12.12 ppg	Torq On Btm:							

PERSONNEL		SURVEY DATA (LAST 6)								
Supervisor 1:	BILL LORANCE	MD	Incl	Azi	TVD	N-S	E-W	VS	DLS	Build
Supervisor 2:	DARRELL WERTHER	11,381.0	0.30	0.00	14,015.28	120.0	0.0	120.0	0.03	-0.03
Engineer:	IVAN OTERO	11,026.0	0.40	0.00	13,660.29	117.9	0.0	117.9	0.07	0.07
Geologist:	TIM LYONS	10,450.0	0.00	0.00	13,084.30	115.9	0.0	115.9	0.26	-0.26
Oxy Personnel:	2	9,692.0	2.00	0.00	12,326.45	102.6	0.0	102.6	0.12	0.12
Contractor Personnel:	27	9,438.0	1.70	0.00	12,072.58	94.4	0.0	94.4	0.40	0.40
Total on Site:	29	9,117.0	0.40	0.00	11,751.64	88.5	0.0	88.5	0.04	0.04

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

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

MUD DATA - M-J SWACO	
Engineer: John Kruczek	MBT: 0.0 lbm/bbl
Sample From: In	pH: 8.0
Mud Type: Spud Mud	Pm / Pom: 0.00
Time / MD: 19:30 / .0	Pf / Mf: 0.1 / 0.3
Density @ Temp: 8.40 / 80	Chlorides: 400
Rheology Temp: 120	Ca+ / K+: 280 / 0
Viscosity: 26.00	CaCl2: 0.00
PV / YP: 1 / 1	Clom: 0.59
Gels 10s/10m/30m: 1 / 1 / 1	Lime: 0.00
API WL: 45.00	ES: 50.10
HTHP WL: 0.00	ECD: 0.00
Cake API / HTHP: 1.0 / .0	n / K: 0.00 / 0.000
Solids / Sol Corr: 0.00 / 0.00	Carbonate: 1 ppm
Oil / Water: 0.0 / 0.0	Bicarbonate: 0 ppm
Sand: 0.00	Form Loss: 0.0 / 0.0
Water Added: 0.0 bbl	Fluid Disch: /
Oil Added:	
LGS: 0.20 / 2.20	

LAST OR CURRENT BHA				
Component	OD	ID	Jts	Length

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

VG Meter: 1@3 / 1@6 / 1@100 / 2@200 / 2@300 / 3@600
 Comments: PLAN TO TRANSFER MUD INVENTORY TO NEW LOCATION TOMORROW.

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING
Prim. Reason: ORIG DRILL VERT

UNIVERSITY CASEY 7
 USA

Date: 04/20/2012
Report No: 14

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	1:00	1.00	31PRRC	CMT	PRIM	P	FINISH CEMENT JOB, TOTAL SAFETY CHECKED FOR H2S AND CLEARED THE AREA FOR WORK, RIGGED DOWN CIRCULATING IRON.
1:00	2:00	1.00	31PRRC	BOP	RDBOP	P	HELD PJSM WITH CREWS AND NIPPLE DOWN BOP
2:00	4:30	2.50	31PRRC	BOP	RDBOP	P	SET SLIPS AND CUT CASING AND CONTINUE TO NIPPLE DOWN BOP
4:30	6:00	1.50	31PRRC	WLHD	RWH	P	INSTALLING WELL HEAD AND PSI TEST TO 4000 PSI RELEASE RIG @ 06:00
Total Time		6.00					

Safety Incident?	N	Days since Last RI:	106.00	Weather Comments:
Environ Incident?	N	Days since Last LTA:	469.00	
Incident Comments: No incidents reported last 24 hours.				

Other Remarks:

Job Daily Costs Report for WellCASEY-7

OSH018CN Total Cost: \$1073992.88

Job Type	Drilling/Completion	Start Date	04/24/2012 09:01:18	Status	Completed
Job Reason	Dev Completion - Cased Hole	End Date	05/29/2012 12:00:00		

Date	AFE	Event Type	Remarks	Hours	Total Cost
4/11/2012	CASEY 7 D&E	Economic Analysis Plan	Analysis Complete	0.0000	0.00
	Daily Totals			0.0000	0.00
4/24/2012	CASEY 7 D&E	Daily Summary	4-24-12 University Casey 7 Daily Cost: \$13,880.04 - MIRU Schlumberger wireline. RIH and log CNL, CCL, GR, CBL. Tag PBTB at 11,324 ft. No pump available to hold pressure for bond log. RDMO wireline.	0.0000	0.00
	CASEY 7 D&E	Wellbore Report		0.0000	0.00
	Daily Totals			0.0000	0.00
4/27/2012	CASEY 7 D&E	Daily Summary	4-27-12 University Casey 7 Install 10K frac stack. MIRU kill trk. Psi test csg & frac stack to 5000 psi. Psi test good.	0.0000	0.00
	Daily Totals			0.0000	0.00
5/2/2012	1145998	Job Cost Detail Report		0.0000	46080.04
			Capital - Tank Rental		2000.00
			Capital - Tank Rental		14000.00
			Capital - Tank Rental		1000.00
			Capital - WH		4500.00

		Equip		
		Capital - Wireline		13880.04
		Capital - Professional Services		1200.00
		Capital - Transport		6500.00
		Capital - Transport		2000.00
		Capital - Other Rental Equip		1000.00
CASEY 7 D&E	Wireline - Perforate Casing/Liner	Perf Strawn 5-1-12RU Halliburton Wireline. No Plug Set. 3 1/8" csg gun perf. Using 3319-331T charges 19 gm wt. 0.42", 42" penetration, 6 SPF, 60 degree phsing. Perforate Strawn @ 11220, 11176, 11132, 11096, 11056. Total shots=44 & fired=44. Net feet =166'. Reference log Halliburton CNL/GR/CCL dated 4-24-12.	0.0000	0.00
CASEY 7 D&E	Frac - Sand	Frac Strawn 07:47-09:08RU Halliburton frac Strawn zone. Break down at 4220 psi @ 3.4 bpm. Pump 3012 gal 15% Ferchek acid. Pump 10647 gal treated water pre-pad. Pump 24515 gal Hybor G pre-pad. Pump 78311 gal Hybor G Pad, 77638 gal Hybor G w/ 83153# 20/40 Versa Prop, 1032	0.0000	0.00

CASEY 7 D&E	Wireline - Bridge Plug - Composite - Set Wireline	gal 15% Ferchek acid, 9823 gal treated water flush. Max rate= 69 bpm, Avg rate=68 bpm, Max psi=5594 psi, Avg psi=5454 psi, ISIP=4461 psi. Total load=204978 gal. RU Halliburton Wireline. RIH w/ 5 ½ " composite plug. Set @ 10920'.	0.0000	0.00
CASEY 7 D&E	Wireline - Perforate Casing/Liner	Perf Lower Wolfcamp 09:28- 11:18Perf Lower Wolfcamp w/ 3 1/8" csg gun perf. using 3319-331T charges 19 gm wt. 0.42" EHD, 42" penetration, 6 SPF, 60 degree phasing. Perforate Lower Wolfcamp @ 10880, 10840, 10791, 10742, 10694, 10642. Total shots=41 & fired=41. Net feet =240'. Reference log Halliburton CNL/GR/CCL dated 4-24-12	0.0000	0.00
CASEY 7 D&E	Frac - Sand	Frac Lower Wolfcamp 11:18- 12:28RU Halliburton frac Lower Wolfcamp zone. Break down at 3801 @ 5.8 bpm. Pump 1496 gal 15% Ferchek	0.0000	0.00

CASEY 7 D&E	Wireline - Bridge Plug - Composite - Set Wireline	<p>acid. Pump 9998 gal treated water pre-pad. Pump 2419 gal Hybor G pre-pad. 64194 gal Hybor G Pad. 77354 gal Hybor G w/ 119014# 20/40 Versa Prop, 1025 gal 15% Ferchek acid, 9392 gal treated water flush. Max rate=66 bpm, Avg rate=65 bpm, Max psi=4749 psi, Avg psi=4476 psi, ISIP=3373 psi. Total load=166511 gal. Note: Pump went down max rate was reduced to 66 bpm.</p> <p>RU Halliburton Wireline. RIH w/ 5 ½ " composite plug. Set @ 10490'.</p>	0.0000	0.00
CASEY 7 D&E	Wireline - Perforate Casing/Liner	<p>Perf Middle Wolfcamp 12:50-13:30 Perf Middle Wolfcamp w/ 3 1/8" csg gun perf. using 3319-331T charges 19 gm wt. 0.42" EHD, 42" penetration, 6 SPF, 60 degree phasing. Perforate Middle Wolfcamp @ 10443, 10400, 10356, 10284, 10242, 10192. Total shots=45 & fired=45. Net feet =253'. Reference</p>	0.0000	0.00

CASEY 7 D&E	Frac - Sand	<p>log Halliburton CNL/GR/CCL dated 4-24-12. Frac Middle Wolfcamp 14:52- 15:41RU Halliburton frac Middle Wolfcamp zone. Break down at 3051 @ 4.8 bpm. Pump 1497 gal 15% Ferchek acid. Pump 10700 gal treated water pre-pad. Pump 2372 gal Hybor G pre-pad. Pump 30066 gal Hybor G Pad, 58452 gal Hybor G w/ 141340# 20/40 CRC prop, 1025 gal 15% Ferchek acid, 8960 gal treated water flush. Max rate=66 bpm, Avg rate=65 bpm, Max psi=4493 psi, Avg psi=3430 psi, ISIP=2356 psi. Total load=113074 gal. Note: Had to wait for pump to be replaced. Lost Packing on another pump reducing rate to 66 bpm RU Halliburton Wireline. RIH w/ 5 ½ " composite plug. Set @ 10060'. Perf Upper Wolfcamp 15:58-</p>	0.0000	0.00
CASEY 7 D&E	Wireline - Bridge Plug - Composite - Set Wireline		0.0000	0.00
CASEY 7 D&E	Wireline - Perforate		0.0000	0.00

	Casing/Liner	<p>16:40Perf Upper Wolfcamp w/ 3 1/8" csg gun perf. using 3319-331T charges 19 gm wt. 0.42" EHD, 42" penetration, 6 SPF, 60 degree phasing. Perforate Upper Wolfcamp @ 10006, 9967, 9925, 9892. Total shots=45 & fired=45. Net feet =116'. Reference log Halliburton CNL/GR/CCL dated 4-24-12.</p>		
CASEY 7 D&E	Frac - Sand	<p>Frac Upper Wolfcamp 17:10-18:02RU Halliburton frac Upper Wolfcamp zone. Breakdown at 2324 psi @ 4.6 bpm. Pump 1493 gal 15% Ferchek acid. Pump 5151 gal treated water pre-pad. Pump 2259 gal Hybor G pre-pad. Pump 27271 gal Hybor G Pad, 49114 gal Hybor G w/ 115830# 20/40 CRC prop, Pump 1020 gal 15% Ferchek acid. Note: Screened out on 4# sand. Pressure was increasing on 3# sand and locked out on 4# sand. Shut well in with</p>	0.0000	0.00

3600 psi on it. Called for a flow back crew. Crew arrive at 22:30 and opened well up with 3000 psi started flowing back well and pressure dropped to 400 psi. Opened choke to allow more rate and sand started coming back out. At 08:00 well was flowing back at 2800 psi and fluid looked clean.

Daily Totals			0.0000	46080.04
5/3/2012	CASEY 7 D&E	Daily Summary	0.0000	0.00
<p>Casey 7 5/3/12 WOC: CHRIS EISENBERG SouthCap, OSH018CN, 0103, 1145998 Daily Cost= \$ 758,907.82 Cum Cost= \$ 862,435.86 Flush Upper Wolfcamp 09:00-09:26 Shutdown Flow back Opened well w/ 1949 Pump 10181 gal treated water flush. Max rate=10 bpm, Avg rate=9 bpm, Max psi=4000 psi, Avg psi=3989 psi, ISIP=2447 psi. Total load=97676 gal. Perf Dean Zone 09:48-10:30 RU Halliburton</p>				

Wireline. RIH w/ 5
½ " composite
plug. Set @ 9640'.
Perf Dean w/ 3
1/8" csg gun perf.
using 3319-331T
charges 19 gm wt.
0.42" EHD, 42"
penetration, 6
SPF, 60 degree
phasing. Perforate
Dean @ 9594,
9524, 9492, 9446,
9406. Total
shots=49 &
fired=49. Net feet
=190'. Reference
log Halliburton
CNL/GR/CCL
dated 4-24-12
Frac Dean 10:46-
11:43 RU
Halliburton frac
Dean zone.
Breakdown at
2105 psi @ 10.1
bpm. Pump 1009
gal 15% Ferchek
acid. Pump 5832
gal treated water
pre-pad. Pump
2521 Hybor G pre-
pad. Pump 45953
gal Hybor G Pad,
74161 gal Hybor G
w/ 192040# 20/40
Ottawa prop.
Pump 1000 gal
15% Ferchek acid.
Pump 8157 gal
treated water
flush. Max rate=70
bpm, Avg rate=68
bpm, Max
psi=3887 psi, Avg
psi=3245 psi,

ISIP=1801 psi.
Total load=148868
gal. Perf Upper
Sprayberry 11:57-
12:33 RU
Halliburton
Wireline. RIH w/ 5
½ " composite
plug. Set @ 9220'.
Perf Upper
Sprayberry w/ 3
1/8" csg gun perf.
using 3319-331T
charges 19 gm wt.
0.42" EHD, 42"
penetration, 6
SPF, 60 degree
phasing. Perforate
Upper Sprayberry
@ 9176, 9107,
9064, 9002, 8963,
8931. Total
shots=46 &
fired=46. Net feet
=247'. Reference
log Halliburton
CNL/GR/CCL
dated 4-24-12.
Frac Upper
Sprayberry 13:21-
14:15 RU
Halliburton frac
Upper Sprayberry
zone. Breakdown
at 1662 psi @ 11.2
bpm. Pump 1999
gal 15% Ferchek
acid. Pump 5955
gal treated water
pre-pad. Pump
2268 Hybor G pre-
pad. Pump 48930
gal Hybor G Pad,
71053 gal Hybor G
w/ 189990# 20/40
Ottawa prop,

		<p>Pump 8645 gal treated water flush. Max rate=71 bpm, Avg rate=70 bpm, Max psi=4786 psi, Avg psi=3069 psi, ISIP=1393 psi. Total load=138850 gal. Field Cost Halliburton FRAC=636729.16 Halliburton Wireline=52674.94 Tools=18138.72 Log=13880.04 Flow Back= 3165 Flush Upper Wolfcamp 09:00-09:26Shutdown Flow back Opened well w/ 1949 Pump 10181 gal treated water flush. Max rate=10 bpm, Avg rate=9 bpm, Max psi=4000 psi, Avg psi=3989 psi, ISIP=2447 psi. Total load=97676 gal.RU Halliburton Wireline. RIH w/ 5 1/2 " composite plug. Set @ 9640'. Perf Dean Zone 09:48-10:30Perf Dean w/ 3 1/8" csg gun perf. using 3319-331T charges 19 gm wt. 0.42" EHD, 42" penetration, 6 SPF, 60 degree phasing. Perforate Dean @ 9594,</p>		
CASEY 7 D&E	Wireline - Bridge Plug - Composite - Set Wireline	<p>Max rate=10 bpm, Avg rate=9 bpm, Max psi=4000 psi, Avg psi=3989 psi, ISIP=2447 psi. Total load=97676 gal.RU Halliburton Wireline. RIH w/ 5 1/2 " composite plug. Set @ 9640'. Perf Dean Zone 09:48-10:30Perf Dean w/ 3 1/8" csg gun perf. using 3319-331T charges 19 gm wt. 0.42" EHD, 42" penetration, 6 SPF, 60 degree phasing. Perforate Dean @ 9594,</p>	0.0000	0.00
CASEY 7 D&E	Wireline - Perforate Casing/Liner	<p>0.42" EHD, 42" penetration, 6 SPF, 60 degree phasing. Perforate Dean @ 9594,</p>	0.0000	0.00

CASEY 7 D&E	Frac - Sand	<p>9524, 9492, 9446, 9406. Total shots=49 & fired=49. Net feet =190'. Reference log Halliburton CNL/GR/CCL dated 4-24-12 Frac Dean 10:46-11:43RU Halliburton frac Dean zone. Breakdown at 2105 psi @ 10.1 bpm. Pump 1009 gal 15% Ferchek acid. Pump 5832 gal treated water pre-pad. Pump 2521 Hybor G pre-pad. Pump 45953 gal Hybor G Pad, 74161 gal Hybor G w/ 192040# 20/40 Ottawa prop. Pump 1000 gal 15% Ferchek acid. Pump 8157 gal treated water flush. Max rate=70 bpm, Avg rate=68 bpm, Max psi=3887 psi, Avg psi=3245 psi, ISIP=1801 psi. Total load=148868 gal.</p>	0.0000	0.00
CASEY 7 D&E	Wireline - Bridge Plug - Composite - Set Wireline	RU Halliburton Wireline. RIH w/ 5 ½ " composite plug. Set @ 9220'. Perf Upper	0.0000	0.00
CASEY 7 D&E	Wireline - Perforate Casing/Liner	Sprayberry 11:57-12:33Perf Upper Sprayberry w/ 3 1/8" csg gun perf.	0.0000	0.00

CASEY 7 D&E	Frac - Sand	<p>using 3319-331T charges 19 gm wt. 0.42" EHD, 42" penetration, 6 SPF, 60 degree phasing. Perforate Upper Sprayberry @ 9176, 9107, 9064, 9002, 8963, 8931. Total shots=46 & fired=46. Net feet =247'. Reference log Halliburton CNL/GR/CCL dated 4-24-12. Frac Upper Sprayberry 13:21-14:15RU Halliburton frac Upper Sprayberry zone. Breakdown at 1662 psi @ 11.2 bpm. Pump 1999 gal 15% Ferchek acid. Pump 5955 gal treated water pre-pad. Pump 2268 Hybor G pre-pad. Pump 48930 gal Hybor G Pad, 71053 gal Hybor G w/ 189990# 20/40 Ottawa prop, Pump 8645 gal treated water flush. Max rate=71 bpm, Avg rate=70 bpm, Max psi=4786 psi, Avg psi=3069 psi, ISIP=1393 psi. Total load=138850 gal.</p>	0.0000	0.00
1145998	Job Cost Detail Report		0.0000	735742.81

		Capital - Stimulation Frac		636729.19
		Capital - Tank Rental		14000.00
		Capital - Tank Rental		1000.00
		Capital - Hourly Vacuum		1500.00
		Capital - WH Equip		1000.00
		Capital - Wireline		52674.94
		Capital - Professional Services		1200.00
		Capital - Transport		6500.00
		Capital - Transport		2000.00
		Capital - Other Rental Equip		1000.00
		Capital - WH Equip		18138.72
Daily Totals			0.0000	735742.81
5/17/2012	1145998	Job Cost Detail Report	0.0000	14000.00
		Capital - BOP		750.00
		Capital - Reverse Rig/Mud Pump		2200.00
		Capital - Professional Services		600.00
		Capital - Other Rental Equip		1000.00
		Capital - Pump Truck		1400.00
		Capital - Hourly Vacuum		1300.00
		Capital - Other Rental Equip		800.00
		Capital - Welding		2500.00
		Capital - Other Rental Equip		50.00
		Capital - Truck Hauling		1000.00
		Capital - Transport		2400.00
CASEY 7 D&E	Rig Crew Travel Time	Drove crew to location and road	2.5000	615.00

			rig to next location,.		
	CASEY 7 D&E	Safety Meeting	DO JSA	0.5000	123.00
	CASEY 7 D&E	Pulling Unit - Rig Up	LOTO Rig up pulling unit	1.5000	369.00
	CASEY 7 D&E	Casing - Check Pressure	SICP- 50 PSI	0.5000	123.00
	CASEY 7 D&E	Well Control - Kill Well - Brine	Riig up pump truck and bullhead 200 bbls b/w. Well on vacumm.	3.0000	738.00
	CASEY 7 D&E	Frac Valve - Nipple Down	Nipple down frac valve	1.5000	369.00
	CASEY 7 D&E	BOPE - Nipple Up	Function test and nipple up 7 1/16 hydraulic bop	1.5000	369.00
	CASEY 7 D&E	Equipment - Load/Unload	Un load and spot catwalk and pipe racks.	1.0000	246.00
	CASEY 7 D&E	Shut-in Overnight	Secure well sion	0.5000	123.00
	CASEY 7 D&E	Rig Crew Travel Time	Drove crew home.	1.0000	246.00
	CASEY 7 D&E	Safety - Personnel		0.0000	0.00
	Daily Totals			13.5000	17321.00
5/18/2012	CASEY 7 D&E	Rig Crew Travel Time	Drove crew to location.	1.0000	246.00
	CASEY 7 D&E	Safety Meeting	Went to OXY weekly safety meeting.	1.5000	369.00
	CASEY 7 D&E	Safety Meeting	Do jsa [hand placement and pinch points]	0.5000	123.00
	CASEY 7 D&E	Equipment - Load/Unload	Had 11,300' of 2 7/8" L-80 unloaded and set on pipe racks.	2.0000	492.00
	CASEY 7 D&E	Tubing - Tally	Tally 100 jts 2 7/8" L-80. Take protecters off.	1.0000	246.00
	CASEY 7 D&E	Break for Crew	Lunch break.	1.0000	246.00
	CASEY 7 D&E	Tubing - Run	Pick up 4 3/4" bit,	5.0000	1230.00

D&E		6-3 1/2" drill collars and 210 jts 2 7/8" L-80 tbg.			
CASEY 7 D&E	Shut-in Overnight	Secure well sion.	0.5000	123.00	
CASEY 7 D&E	Rig Crew Travel Time	Drove crew home to Iraan.	2.0000	492.00	
CASEY 7 D&E	Safety - Personnel		0.0000	0.00	
1145998	Job Cost Detail Report		0.0000	104100.00	
		Capital - BOP			350.00
		Capital - Reverse Rig/Mud Pump			2200.00
		Capital - Professional Services			600.00
		Capital - Pump Truck			1500.00
		Capital - Hourly Vacuum			1400.00
		Capital - Other Rental Equip			200.00
		Capital - Truck Hauling			1700.00
		Capital - Other Rental Equip			50.00
		Capital - Other Rental Equip			87000.00
		Capital - Truck Hauling			1400.00
		Capital - Tank Rental			200.00
		Capital - Other Rental Equip			7500.00
	Daily Totals		14.5000	107667.00	
5/19/2012	1145998	Job Cost Detail Report	0.0000	800.00	
		Capital - BOP			350.00
		Capital - Other Rental Equip			200.00
		Capital - Other Rental Equip			50.00
		Capital - Tank Rental			200.00

	Daily Totals			0.0000	800.00
5/20/2012	1145998	Job Cost Detail Report		0.0000	800.00
			Capital - BOP		350.00
			Capital - Other Rental Equip		200.00
			Capital - Other Rental Equip		50.00
			Capital - Tank Rental		200.00
	Daily Totals			0.0000	800.00
5/21/2012	1145998	Job Cost Detail Report		0.0000	23000.00
			Capital - BOP		350.00
			Capital - Reverse Rig/Mud Pump		2200.00
			Capital - Professional Services		600.00
			Capital - Pump Truck		1600.00
			Capital - Hourly Vacuum		1600.00
			Capital - Other Rental Equip		200.00
			Capital - Truck Hauling		1200.00
			Capital - Other Rental Equip		50.00
			Capital - Tank Rental		200.00
			Capital - Environment		15000.00
	CASEY 7 D&E	Rig Crew Travel Time	DROVE CREW TO LOCATION	1.0000	246.00
	CASEY 7 D&E	Safety Meeting	DO JSA (PICKING UP TBG)	0.5000	123.00
	CASEY 7 D&E	Casing - Check Pressure	SITP- 0 PSI and SICP- 0 PSI	0.5000	123.00
	CASEY 7 D&E	Tubing - Run	Pick up 63 jts 2 7/8" L-80 tbg to 8850'	1.5000	369.00
	CASEY 7 D&E	Well Control - Circulate -	Rig up foam air unit. Break	2.0000	492.00

	Brine	circulation.		
CASEY 7 D&E	Drill	Pick up 11 jts 2 7/8" L-80 Tag 1st plug at 9220' pick up power swivel. Drill out 1st plug 9640' and 2nd plug at 9640'.	4.5000	1107.00
CASEY 7 D&E	Well Control - Circulate - Brine	Circulate well clean. Pump 60 bbls b/w down tbg. Lay down swivel.	2.0000	492.00
CASEY 7 D&E	Tubing - Pull	Pull 24 jts. Leave bit at 8850'	1.0000	246.00
CASEY 7 D&E	Shut-in Overnight	SECURE WELL. SION	0.5000	123.00
CASEY 7 D&E	Rig Crew Travel Time	DROVE CREW HOME	1.0000	246.00
CASEY 7 D&E	Daily Summary	5-21-12 Daily cost-\$ 108,760.00 Cum cost-\$ 988,074.00 CASEY 7 KEY 432 WOC - Juan Rondan DCTL HTGSM Well was dead.Pick up 63 jts 2 7/8" L-80 with 4 3/4" bit at 8850' break circulation. Run down and drill out 1st plug at 9220' and 2nd plug at 9640' Circulate well clean. Pump 60 bbls b/w down tbg. Pull bit up to 8850' Secure well sion. NDP- Drill out last 3 plugs and clean out to PBTD @ 11,379'	0.0000	0.00
Daily Totals			14.5000	26567.00
5/22/2012	CASEY 7 D&E	Daily Summary	5-22-12 Daily cost-\$28,300.00 Cum	0.0000 0.00

cost-\$
 1,017,974.00
 CASEY 7 KEY
 432 WOC - Juan
 Rondan DCTL
 HTGSM SICP-
 850 PSI. Bleed
 well down Ran 4
 3/4" bit from 8850
 to 10060' break
 circulation. Drill
 out 3rd plug@
 10060', 4th
 plug@10,490' and
 5th plug @10920'.
 Circulate well
 clean; Kill tbg with
 60 bbls b/w. Pull
 bit to 8850' Secure
 well sion. NDP-
 Clean out to
 PBSD@ 11,379'
 Circulate well.

1145998	Job Cost Detail Report	0.0000	23300.00	
	Capital - BOP			350.00
	Capital - Reverse Rig/Mud Pump			2200.00
	Capital - Professional Services			600.00
	Capital - Pump Truck			1600.00
	Capital - Hourly Vacuum			1600.00
	Capital - Other Rental Equip			200.00
	Capital - Other Rental Equip			50.00
	Capital - Tank Rental			200.00
	Capital - Environment			15000.00
	Capital - Hourly Vacuum			1500.00
CASEY 7	Rig Crew	DROVE CREW	1.0000	246.00

	D&E	Travel Time	TO LOCATION		
	CASEY 7 D&E	Safety Meeting	DO JSA (HAND REPLACEMENT, PINCH POINTS)	0.5000	123.00
	CASEY 7 D&E	Casing - Check Pressure	SICP- 850 psi.	0.5000	123.00
	CASEY 7 D&E	Well Control - Bleed Well Down	BLEED WELL DOWN TO PIT	1.0000	246.00
	CASEY 7 D&E	Tubing - Run	Run 4 3/4" bit from 8850' to 10,060'. Pick up power swivel.	1.5000	369.00
	CASEY 7 D&E	Drill	Break circulation drill out 3rd plug @ 10,060', 4th plug @ 10,490' and 5th plug @ 10,920'	4.5000	1107.00
	CASEY 7 D&E	Circulate - Brine/Produced Water	Circulate well clean	1.5000	369.00
	CASEY 7 D&E	Well Control - Kill Well - Brine	Pump 60 bbls b/w down tbq. Lay down power swivel.	1.0000	246.00
	CASEY 7 D&E	Tubing - Pull	Pull 64 jts and leave bit at 8850'	1.5000	369.00
	CASEY 7 D&E	Shut-in Overnight	SECUREW WELL.	0.5000	123.00
	CASEY 7 D&E	Rig Crew Travel Time	DROVE CREW HOME	1.0000	246.00
	Daily Totals			14.5000	26867.00
5/23/2012	CASEY 7 D&E	Daily Summary	5-23-12 Daily cost-\$28,400.00 Cum cost-\$1,046,374.00 CASEY 7 KEY 432 WOC - Juan Rondan DCTL HTGSM SICP-850 PSI. Bleed well down Ran 4 3/4" bit from 8850 to 11,288' pick up power swivel.	0.0000	0.00

		Clean out from 11,288' to 11358' PBSD. Circulate well for 3 1/2" hrs. Kill tbg with 60 bbls b/w. Pull 100 jts Secure well sion. NDP- Kill well poh with tbg, collars and bit. run bha and tbg in hole.		
1145998	Job Cost Detail Report		0.0000	30000.00
		Capital - BOP		350.00
		Capital - Reverse Rig/Mud Pump		2200.00
		Capital - Professional Services		600.00
		Capital - Pump Truck		1400.00
		Capital - Hourly Vacuum		1400.00
		Capital - Other Rental Equip		200.00
		Capital - Other Rental Equip		50.00
		Capital - Tank Rental		200.00
		Capital - Environment		15000.00
		Capital - Pump		4700.00
		Capital - Supplies		3900.00
CASEY 7 D&E	Rig Crew Travel Time	DROVE CREW TO LOCATION	1.0000	246.00
CASEY 7 D&E	Safety Meeting	DO JSA (SUSPENDED LOADS)	0.5000	123.00
CASEY 7 D&E	Tubing - Check Pressure	sitp- 0 psi [has check vlave]	0.5000	123.00
CASEY 7 D&E	Casing - Check Pressure	SICP- 850 PSI Bled well down to flowback tank.	0.5000	123.00
CASEY 7 D&E	Tubing - Run	Ran 4 3/4" bit from 8850' down to	1.0000	246.00

			11,288' and tag sand.		
	CASEY 7 D&E	Power Swivel - Rig Up	- Pick up power swivel.	0.5000	123.00
	CASEY 7 D&E	Wellbore Cleanout - Sand	With foamair unit clean out sand from 11,288' to PBTD @ 11,358'	1.5000	369.00
	CASEY 7 D&E	Circulate	Circulate well clean for 3.5 hrs.	3.5000	861.00
	CASEY 7 D&E	Well Control - Kill Well - Brine	Pump 60 bbls b/w down tbg. Put tbg on vacuum.	0.5000	123.00
	CASEY 7 D&E	Power Swivel - Rig Down	Lay down power swivel on trailer.	0.5000	123.00
	CASEY 7 D&E	Tubing - Pull	Pull 120 jts 2 7/8" L-80.	1.5000	369.00
	CASEY 7 D&E	Shut-in Overnight	SECURE WELL. SION.	0.5000	123.00
	CASEY 7 D&E	Rig Crew Travel Time	DROVE CREW HOME	1.0000	246.00
		Daily Totals		13.0000	33198.00
5/24/2012	CASEY 7 D&E	Daily Summary	5-24-12 Daily cost-\$34,818.00 Cum cost-\$1,081,392.00 CASEY 7 KEY 432 WOC - Juan Rondan DCTL HTGSM SITP- 700 PSI and SICP- 700 PSI. Bled well down. Pump 60 bbls b/w down casing and 30 bbls b/w down tbg. Poh with 90 stands. Lay down 6-3 1/2" drill collars, and 4 3/4" bit. Pick up 2 7/8" chemical screen, 1 jt 2 7/8"m.a., 2 7/8" 12 slot sandscren, 2 7/8" MHD S.N., 2	0.0000	0.00

jts 2 7/8" tk-99, 4
 jts 2 7/8" I-80, 5
 1/2" x 2 7/8" tac, 2
 jts 2 7/8" I-80, 2
 7/8" x 4' I-80
 marker jt.180 jts 2
 7/8" I-80 tbq.
 Secure well sion.
 NDP- Finish rih
 Land S.N. @
 11,222' Nipple
 down bop set tac.
 Flange well up.

1145998	Job Cost Detail Report		0.0000	43900.00
		Capital - BOP		350.00
		Capital - Reverse Rig/Mud Pump		2200.00
		Capital - Professional Services		600.00
		Capital - Pump Truck		1400.00
		Capital - Hourly Vacuum		1300.00
		Capital - Other Rental Equip		200.00
		Capital - Other Rental Equip		50.00
		Capital - Tank Rental		200.00
		Capital - Environment		7500.00
		Capital - Other Rental Equip		1200.00
		Capital - Rods		28000.00
		Capital - Hourly Hot Oiler		900.00
CASEY 7 D&E	Rig Crew Travel Time	DROVE CREW TO LOCATION	1.0000	246.00
CASEY 7 D&E	Safety Meeting	DO JSA (HOUSE KEEPING)	0.5000	123.00
CASEY 7 D&E	Tubing - Check Pressure	SITP- 700 PSI	0.5000	123.00
CASEY 7 D&E	Casing - Check Pressure	SICP- 700 PSI	0.5000	123.00

		Bled well down. Pump 60 bbls b/w down casing and Kill Well - Brine	1.5000	369.00
CASEY 7 D&E	Well Control - Kill Well - Brine	30 bbls down tbg. Both sides on vacuum.		
CASEY 7 D&E	Tubing - Pull	POH with 160 jts 2 7/8" L-80	2.0000	492.00
CASEY 7 D&E	Break for Crew	LUNCH BREAK	1.0000	246.00
CASEY 7 D&E	Tubing - Pull	Pull 20 jts 2 7/8" L- 80. Lay down 6-3 1/2" drill collars and 4 3/4" bit.	1.0000	246.00
CASEY 7 D&E	Tubing - Run	Run 2 7/8" bull plug, 2 7/8" x 24' chemical screen, 2 7/8" m.a. jt, 2 7/8" M.H.D. S.N., 2 jts 2 7/8" tk-99, 4 jts 2 7/8" I-80, 5 1/2" x 2 7/8" tac, 2 jts 2 7/8" I-80, 2 7/8" x 4' marker sub, and 180 jts 2 7/8" L-80.	3.5000	861.00
CASEY 7 D&E	Shut-in Overnight	SECURED WELL. SION	0.5000	123.00
CASEY 7 D&E	Rig Crew Travel Time	DROVE CREW HOME	1.0000	246.00
Daily Totals			13.0000	47098.00
5/25/2012	1145998	Job Cost Detail Report	0.0000	8100.00
		Capital - BOP		350.00
		Capital - Reverse Rig/Mud Pump		2200.00
		Capital - Professional Services		600.00
		Capital - Pump Truck		1400.00
		Capital - Hourly Vacuum		1300.00
		Capital - Other Rental Equip		200.00
		Capital - Other		50.00

		Rental Equip			
		Capital - Tank			200.00
		Rental			
		Capital - Supplies			1000.00
		Capital - Other			
		Rental Equip			800.00
		WENT TO OXY			
CASEY 7 D&E	Safety Meeting	WEEKLY SAFETY MEETING	1.5000	369.00	
CASEY 7 D&E	Rig Crew Travel Time	DROVE CREW TO LOCATION DO JSA	1.0000	246.00	
CASEY 7 D&E	Safety Meeting	(SUSPENDED LOAD)	0.5000	123.00	
CASEY 7 D&E	Tubing - Check Pressure	SITP- 100 psi	0.5000	123.00	
CASEY 7 D&E	Casing - Check Pressure	SICP- 100 psi	0.5000	123.00	
CASEY 7 D&E	Well Control - Kill Well - Brine	BLEED WELL DOWN. PUMP 60 BBLs B/W DOWN CASING AND 30 BBLs B/W DOWN TBG. BOTH SIDES ON VACUUM	1.0000	246.00	
CASEY 7 D&E	Tubing - Run	RUN 45 STANDS 2 7/8" L-80 TBG FROM DERRICK	1.0000	246.00	
CASEY 7 D&E	Break for Crew	LUNCH BREAK (DO JSA)	1.0000	246.00	
CASEY 7 D&E	Tubing - Run	Run 45 stands 2 7/8" L-80 tbg from derrick.. Total of 347 jts 2 7/8" L-80 to marker sub. With tac@ 11,032 and S.N. @ 11,222'	1.0000	246.00	
CASEY 7 D&E	BOPE Hydraulic - Nipple Down	Nipple down hydraulic BOP,	1.0000	246.00	
CASEY 7 D&E	Wellhead - Nipple Up	Set TAC with 20 pt tension. Flange well up.	1.0000	246.00	
CASEY 7 D&E	Rods - Run	Pick up 2.5" x 1.50" x 24' pump,	1.5000	369.00	

			3/4" RHR box, 6-1.50" K no neck sinker bars and 100- 3/4" HD weatherford rods.		
	CASEY 7 D&E	Shut-in Overnight	Pick up poish rod. Secure well sion.	0.5000	123.00
	CASEY 7 D&E	Rig Crew Travel Time	DROVE CREW HOME	1.0000	246.00
Daily Totals				13.0000	11298.00
5/26/2012	CASEY 7 D&E	Daily Summary	5-26-12 CASEY 7 KEY 432 Daily cost- \$ 12,918.00 Cum cost-\$ 1,143,028.00 WOC - Juan Rondan DCTL HTGSM SITP- 0 PSI and SICP- 0 PSI Lay down polish rod. Pick up 174-3/4" H.D. weatherford and 165- 7/8" H.D. weatherford rods. Pick up polish rod. Secure well SDFWE. NDP- Load and test tbg. Space pump out and rig down. .	0.0000	0.00
	1145998	Job Cost Detail Report		0.0000	6700.00
			Capital - BOP		350.00
			Capital - Reverse Rig/Mud Pump		2200.00
			Capital - Professional Services		1200.00
			Capital - Pump Truck		1300.00
			Capital - Hourly Vacuum		1200.00
			Capital - Other Rental Equip		200.00

			Capital - Other Rental Equip		50.00
			Capital - Tank Rental		200.00
CASEY 7 D&E	Rig Crew Travel Time	DROVE CREW TO LOCATION	1.0000	246.00	
CASEY 7 D&E	Safety Meeting	DO JSA (PICKING UP RODS)	0.5000	123.00	
CASEY 7 D&E	Tubing - Check Pressure	SITP- 0 psi	0.5000	123.00	
CASEY 7 D&E	Rods - Run	Take protecters off and put 3/4" f.h t-coupling rod boxes. Pick up 174- 3/4" HD weatherford rods.	3.0000	738.00	
CASEY 7 D&E	Break for Crew	Lunch break [Review jsa]	1.0000	246.00	
CASEY 7 D&E	Rods - Run	Take protecters off and put 7/8" f.h t-coupling rod boxes. Pick up 85- 7/8" HD weatherford rods.	2.5000	615.00	
CASEY 7 D&E	Shut-in Overnight	Pick up polish rod. Secure well sion.	0.5000	123.00	
CASEY 7 D&E	Rig Crew Travel Time	Drove crew home to Iraan.	2.0000	492.00	
Daily Totals			11.0000	9406.00	
5/27/20121145998	Job Cost Detail Report		0.0000	450.00	
		Capital - Other Rental Equip		200.00	
		Capital - Other Rental Equip		50.00	
		Capital - Tank Rental		200.00	
Daily Totals			0.0000	450.00	
5/28/20121145998	Job Cost Detail Report		0.0000	450.00	
		Capital - Other Rental Equip		200.00	
		Capital - Other Rental Equip		50.00	

			Capital - Tank Rental		200.00
Daily Totals				0.0000	450.00
5/29/2012	CASEY 7 D&E	Daily Summary	5-29-12 Daily cost-\$ 10,236.00 Cum cost-\$ 1,153,264.00 CASEY 7 KEY 432 WOC - Juan Rondan DCTL HTGSM SITP- 0 PSI and SICP- 0 PSI Lay down polish rod. Take protecters off and put 7/8" FH t-coupling rod boxes on. Pick up 87-7/8" HD weatherford rods. Pick ip polish rod. Space pump out to 37". Load tbg with 3 bbls b/w. Test tbg to 700 psi. Long stroke 7 strokes 500 psi. Had weatherford put unit on downstroke. Hang well on. Rig down.	0.0000	0.00
1145998		Job Cost Detail Report	.	0.0000	7050.00
			Capital - Reverse Rig/Mud Pump		2200.00
			Capital - Professional Services		600.00
			Capital - Pump Truck		1400.00
			Capital - Hourly Vacuum		1300.00
			Capital - Other Rental Equip		200.00

		Capital - Other		50.00
		Rental Equip		
		Capital - Tank		200.00
		Rental		
		Capital - Truck		1100.00
		Hauling		
CASEY 7	Rig Crew	Drove crew to		
D&E	Travel Time	location from	2.0000	492.00
		Iraan.		
CASEY 7	Safety Meeting	Do jsa [picking up	0.5000	123.00
D&E		rods]		
CASEY 7	Tubing - Check	SITP- 0 psi	0.5000	123.00
D&E	Pressure			
		Take rod		
		protectors and put		
CASEY 7	Rods - Run	7/8" FH T-	2.5000	615.00
D&E		couplings on 87-		
		7/8" HD		
		weatherford rods		
		and pick them up.		
CASEY 7	Break for Crew	Lunch break	1.0000	246.00
D&E				
		Pick up polish rod		
		and load tbg with 3		
CASEY 7	Tubing -	bbls b/w. Test tbg	1.0000	246.00
D&E	Pressure Test	to 700 psi. Held		
		good.		
CASEY 7	Pump - Space	Space pump out to	1.0000	246.00
D&E	Out	37"		
CASEY 7	Pump -	Long stroke pump.	1.0000	246.00
D&E	Longstroke	7 strokes 500 psi.		
		Bled pressure off.		
		Had weatherford		
		put pumping unit		
CASEY 7	Pumping Unit -	on downstroke.	1.0000	246.00
D&E	Hang on Head	Hang on horse		
		head.		
CASEY 7	Pulling Unit -	Rig down. Clean	1.5000	369.00
D&E	Rig Down	location.		
CASEY 7	Rig Crew	Drove crew home.	1.0000	246.00
D&E	Travel Time			
	Daily		13.0000	10248.00
	Totals			
	Job Totals		120.0000	1073992.85
Totals			120.00	1073992.85
AFE Summary	Hours	Costs	Budget	Balance

1145998	CASEY 7 D&E	120.0000	1073992.85	0.00	-1073992.85
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