



SAFETY MEETING / JOB SAFETY ANALYSIS



FUEL TYPE	VENDOR	BEG QTY	RECEIVED QTY	TOTAL QTY	QTY USED	QTY REMAINING
Diesel	Fuel Source	3,600	0	3,600	-	3,600

SAFETY MEETING / JOB SAFETY ANALYSIS		
	DAYLIGHT TOUR	MORNING TOUR
TOPIC	OVER HEAD WORKING FORK LIFT	TRIPPING PIPE RUNNING CASING
JSA	KNOW SURROUNDINGS	PINCH POINTS TEAM WORK
STOP CARDS	0	0
NEAR MISSES	0	0


[illegible]

<div><div><div></div><div>EP ENERGY</div></div><div>Daily Drilling Report Onshore</div></div>				Well Name/Wellbore No.: UNIVERSITY SALT DRAW 4102FH/00				Country: USA State/OCSG TEXAS Field/Permit#: SALT DRAW Supervisors: JIMMY DAVIS / MICHAEL AARON Engineer/Manager: MOTLEY, DEREK / DERDEN, ROY				Report Number: 004 Report Date: 02/27/2015 Spud Date: 02/25/2015 Release Date: DFS: 2.00 DOL: 3 AFE Days: 25 Last BOP T.: Safety & Environmental Incident: No							
Depth md/tvd (ft): 5,835.01 / 5,824.69				Rig: NORAM/21						Drig		Comp		Fac		Total			
Progress (ft): 3,465.01				Rig Phone: 713-997-1265				AFE #:		163647/53092									
ROP: 3,465.0 / 20.00 = 173.25				RKB (ft): 2,665.51				Day Cost(\$):		52.915		0		0		52.915			
Proposed TD (ft): 7,500.00				Ground Level (ft): 2,636.0				Cum Cost(\$)		558,248		0		0		558,248			
Next Csg Point (ft): 14,907.03				POB: 35 Total Man Hours: 382.00				AFE(\$):		0		0		0		0			
Current Activity: POOH. PTB.@ 5835' INC-2.8 AZ-147.5 TVD-5824' AHEAD-24.6' RIGHT-13' SLIDE HRS. 194'/ 3.1HRS.																			
24 Hr Summary: DRILL SIDEBUILD F/ 2370' TO 5835'. CIRC. & CLEAN HOLE. POOH.																			
24 Hr Forecast: L/D DIR. TOOLS. P/U CORING TOOLS. TIH. START CORING.																			
MUD PROPERTIES				MUD MATERIALS				BIT RECORD				CASING							
Fluids Co.: BAROID				D M Cost(\$): \$11,239.98				Bit#		1		Size(in)		MD(ft)/TVD(ft)		FIT/LOT(ppg)			
Fluids Eng: ERNESTO CRUZ JR.				C M Cost(\$): \$15,655.98				S/N		12307136		9.63		1,032.00 /		1,032.00			
Time: 1:01 Oil Cnt (%): 69				Mud Additives				Size (in)		8.75		5.50		14,907.03 /		6,796.01			
Location: JCTION TANK H2O Cnt (%): 23				DURATONE HT				Mfg		SECURITY DBS									
Pit Temp (°F) 115 Sand Cnt:				ENGINEER SERVICE (24				IADC Type											
Depth (ft): 5,649.01 MBT:				SHRINK WRAP				Model #		MM56D									
Density (ppg): 8.90 pH:				TRANSPORTATION - CW				Jets											
FV (s/qt): 64 Pm:				CALCIUM CHLORIDE PO				Depth In (ft)		1,032									
PV (cp): 14 Pff/Mf:				FUEL SURCHARGE				Depth Out (ft)		5,835									
YP (lbf/100ft²): 15 Chloride:				BARABLOK				Bit Rotations		60/60									
Gels (l): 12/14/18 Calcium:				GELTONE V				On Btm Hrs Cum		27.50									
WL: 13.00 LCM:				OIL ABSORBENT CLAY				Footage Cum (ft)		4,803									
HTHP (°F): 250 ES (mV): 577.0				EZ MUL				ROP Cum		174.7									
Cake: 2.00 LGS (%): 3.30				PALLETS				WOB mn/mx (kip)		25 / 25									
Solids: Ex Lime (ppb): 3.1				BAROID RIG WASH				RPM rot/bit		60 / 60									
ECD (ppg): 8.9 OWR: 75.0 / 25.0				LIME				Bit HP		0.79									
								HSI		0.43									
								PSI Drop (psi)		77.30									
								Jet Vel (ft/s)		98.53									
								Imp Force		258.95									
MUD LOGGING								Grading		I O D L B G O R									
Trip Gas (units): @ BG Gas (units):				Surf to Surf:				Bit #		1 3 WT S X I NO CP									
Conn Gas (units): @				Lag Strokes:				Bit # 1											
Form:				Pore Pressure: (%) Lag Time: (min)															
BHA # 1								STRING LOADS				MUD PUMPS							
Qty		Item Description		ID (in)	OD (in)	Len (ft)	Cum (ft)	On Btm Torque:		15,000				#1		#2		#3	
1		SECURITY MM56D			8.758	1.00	1.00	Off Btm Torque:		4,500		Pump		DR		DR			
1		1.75° FBH 7/8 5.0 SLICK			6.750	25.63	26.63	Str. Wt. Up:		165		Type:							
1		EM COLLAR		3.250	6.812	31.66	58.29	Str. Wt. Down:		140		Liner ID:		6.00		6.00			
1		NMDC		2.875	6.500	30.44	88.73	Str. Wt. Rot.:		155		SPM:		68.00		68.00			
1		CROSSOVER		2.875	6.375	2.99	91.72	Max Over Pull:		10		GPM:		284.65		284.65			
3		6 1/2" DRILL COLLARS		2.875	6.500	90.56	182.28					SPR:							
1		CROSSOVER		2.875	6.500	1.70	183.98					1 SPM:		30.00		50.00			
Total Length: 183.98												Pressure:		345.00		445.00			
								BHA PROPERTIES				2 SPM:		40.00		30.00			
								BHA Hrs:		20		Pressure:		385.00		350.00			
								Jar Hrs:											
								Cum String Hours:		28									
								Weight B Jars (kip):											

<div>EP ENERGY</div> <div>Daily Drilling Report Onshore</div>				<div>Well Name/Wellbore No.: UNIVERSITY SALT DRAW 4102FH/00</div> <div>Country: USA State/OCSG: TEXAS Field/Permit#: SALT DRAW Supervisors: JIMMY DAVIS / MICHAEL AARON Engineer/Manager: MOTLEY, DEREK / DERDEN, ROY</div>				<div>Report Number: 006 Report Date: 03/01/2015 Spud Date: 02/25/2015 Release Date: DFS: 4.00 DOL: 5 AFE Days: 25 Last BOP T.: Safety & Environmental Incident: No</div>							
<div>Depth md/tvd (ft): 6,106.01 / 6,095.37 Progress (ft): 162.00 ROP: 162.0 / 8.00 = 20.25 Proposed TD (ft): 7,500.00 Next Csg Point (ft): 14,907.03</div>				<div>Rig: NORAM/21 Rig Phone: 713-997-1265 RKB (ft): 2,665.51 Ground Level (ft): 2,636.0 POB: 34 Total Man Hours: 384.00</div>				<div><div></div><div>AFE #:</div><div>Day Cost(\$):</div><div>Cum Cost(\$)</div><div>AFE(\$):</div></div> <div><div>Drig</div><div>163647/53092</div><div>115,845</div><div>785,084</div><div>0</div></div> <div><div>Comp</div><div></div><div>0</div><div>0</div><div>0</div></div> <div><div>Fac</div><div></div><div>0</div><div>0</div><div>0</div></div> <div><div>Total</div><div></div><div>115,845</div><div>785,084</div><div></div><div>0</div></div>							
<div>Current Activity: POH W/ OUTER CORE BARREL.</div> <div>24 Hr Summary: CORING #1 5,944' - 6,106'. CIRCULATE & CLEAN HOLE. POOH. L/D 12 INNER CORE BARRELS. P/U & CHECK BIT. PREPARE TO RELOAD CORE BARRELS.</div> <div>24 Hr Forecast: RELOAD CORE BARRELS. TIH W/ CORING ASSEMBLY. CORING.</div>															
MUD PROPERTIES				MUD MATERIALS				BIT RECORD				CASING			
Fluids Co.: BAROID Fluids Eng: ERNESTO CRUZ JR.				D M Cost(\$): \$5,635.49 C M Cost(\$): \$26,634.31				Bit# 2 S/N A162980 Size (in) 8.75 Mfg NOV IADC Type Model # CDPH713 Jets 7X14 Depth In (ft) 5,835 Depth Out (ft) 6,106 Bit Rotations 45/45 On Btm Hrs Cum 15.50 Footage Cum (ft) 271 ROP Cum 17.5 WOB mn/mx (kip) / 7 / 7 RPM rot/bit 45 / 45 Bit HP 0.12 HSI 0.12 PSI Drop (psi) 47.22 Jet Vel (ft/s) 76.58 Imp Force 89.68				Size(in) 9.63 5.50 MD(ft)/TVD(ft) 1,032.00 / 14,907.03 / 1,032.00 / 6,796.01 FIT/LOT(ppg)			
Time: 1:01 Oil Cnt (%): 69 Location: JCTION TANK H2O Cnt (%): 23 Pit Temp: Sand Cnt: Depth (ft): 6,106.01 MBT: Density (ppg): 9.00 pH: FV (s/qt): 70 Pm: PV (cp): 13 Pff/Mf: YP (lb/f/100ft²): 16 Chloride: Gels (l): 13/16/20 Calcium: WL: 10.00 LCM: HTHP (°F): 250 ES (mV): 643.0 Cake: 2.00 LGS (%): 2.60 Solids: Ex Lime (ppb): 4.5 ECD (ppg): 9.0 OWR: 75.0 / 25.0				Mud Additives Used OIL ABSORBENT CLAY 5 GELTONE V 12 CALCIUM CHLORIDE PO 35 LIME 40 ENGINEER SERVICE (24 1 BARABLOK 10 DURATONE HT 10 BARITE 41 80								INVENTORY			
												Item Inv RIG FUEL 11,451 MUD DIESEL 1,972			
												SOLIDS CONTROL			
												Skr Deck 1 Screens Deck 2 Screens 1 120/120/120/120 2 120/120/120/120 3			
MUD LOGGING															
Trip Gas (units): @ Conn Gas (units): @ Form:				BG Gas (units): Pore Pressure: (%)				Surf to Surf: Lag Strokes: Lag Time: (min)				Grading I O D L B G O R Bit # Bit # 2 1 1 WT A X I WT BHA			
BHA # 2								STRING LOADS				MUD PUMPS			
Qty		Item Description		ID (in)	OD (in)	Len (ft)	Cum (ft)	On Btm Torque: 7,000 Off Btm Torque: 4,500 Str. Wt. Up: 170 Str. Wt. Down: 155 Str. Wt. Rot.: 165 Max Over Pull: 5				Pump Type: Liner ID: 6.00 SPM: 60.00 GPM: 251.16 SPR: 1 SPM: 0.00 Pressure: 0.00 2 SPM: 0.00 Pressure: 0.00			
1				4.000	8.750	1.25	1.25								
1	8 7/16			5.500	7.000	4.00	5.25								
1				5.500	7.000	26.00	31.25								
1	8 7/16			5.500	7.000	4.00	35.25								
1				5.500	7.000	26.00	61.25								
1	8 7/16			5.500	7.000	4.00	65.25								
1				5.500	7.000	26.00	91.25								
1	8 7/16			5.500	7.000	4.00	95.25								
1				5.500	7.000	26.00	121.25								
1	8 7/16			5.500	7.000	4.00	125.25								
1				5.500	7.000	26.00	151.25								
1	8 7/16			5.500	7.000	4.00	155.25								
1				5.500	7.000	26.00	181.25								
1	8 7/16			5.500	7.000	4.00	185.25								
1				5.500	7.000	26.00	211.25								
1	8 7/16			5.500	7.000	4.00	215.25								
1				5.500	7.000	26.00	241.25								
1	8 7/16			5.500	7.000	4.00	245.25								
1				5.500	7.000	26.00	271.25								
								BHA PROPERTIES							
								BHA Hrs: 8 Jar Hrs: Cum String Hours: 16 Weight B Jars (kip):							
												T GPM (gpm): 251 SPP (psi): 1,400 AV (DC): AV (DP):			
SURVEYS															
MD (ft)		Inclination(°)		Azimuth (°)		TVD (ft)		V Section (ft)		+E/-W (ft)		+N/-S (ft)		Dog Leg (°/100ft)	
5,269		1.30		140.30		5,259		-274.00		56.24		-274.41		0.12	
5,364		1.20		137.90		5,354		-275.56		57.59		-275.98		0.12	
5,459		1.20		131.00		5,449		-276.94		59.01		-277.37		0.15	
5,554		1.10		130.60		5,544		-278.17		60.45		-278.62		0.11	
5,649		1.60		126.10		5,639		-279.54		62.22		-279.99		0.54	
5,744		3.00		146.60		5,734		-282.37		64.66		-282.85		1.69	
5,791		2.80		147.50		5,781		-284.36		65.95		-284.84		0.44	
5,835		2.80		147.50		5,825		-286.16		67.11		-286.66		0.00	
OPERATION DETAILS															
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION								
06:00	14:00	8.00	P	DRLPRD	21	CORING	CORING CORE #1 5,944' - 6,106'(CORE #1 = 271') CORE BARREL JAMMED.								
14:00	15:00	1.00	P	DRLPRD	15	CIRC	CIRCULATE BOTTOMS UP								
15:00	17:30	2.50	P	DRLPRD	13	TRIP	SLUG AND T.O.H.								
17:30	18:00	0.50	P	DRLPRD	12	RIGSVC	SERVICE RIG								
18:00	19:00	1.00	P	DRLPRD	13	TRIP	POOH TO 1000'.								
19:00	20:00	1.00	P	DRLPRD	42	OTHER	WAIT FOR PRESSURE EQUILIBRATION.								
20:00	21:00	1.00	P	DRLPRD	13	TRIP	POOH TO BHA @ 1000'/HR.								
21:00	05:30	8.50	P	DRLPRD	14	PULDSTR	L/D 12 INNER CORE BARRELS. 3 EMPTY & 9 FULL.								
05:30	06:00	0.50	P	DRLPRD	13	TRIP	P.O.H. W/ OUTER BARREL.								
Daily Operations Comments WPS - 301,609															

<div>EP ENERGY</div> <div>Daily Drilling Report Onshore</div>		Well Name/Wellbore No.: UNIVERSITY SALT DRAW 4102FH/00				Report Number: 009 API #: 4210542192																														
		Country: USA State/OCSG: TEXAS				Report Date: 03/04/2015 Spud Date: 02/25/2015																														
		Field/Permit#: SALT DRAW				Release Date:																														
		Supervisors: JIMMY DAVIS / MICHAEL AARON Engineer/Manager: MOTLEY, DEREK / DERDEN, ROY				DFS: 7.00 DOL: 8 AFE Days: 25 Last BOP T.: Safety & Environmental Incident: No																														
Depth md/tvd (ft): 6,766.01 / 6,754.58 Progress (ft): 188.00 ROP: 188.0 / 7.50 = 25.07 Proposed TD (ft): 7,500.00 Next Csg Point (ft): 14,907.03				Rig: NORAM/21 Rig Phone: 713-997-1265 RKB (ft): 2,665.51 Ground Level (ft): 2,636.0 POB: 31 Total Man Hours: 366.00				<table><tr><td></td><td>Drig</td><td>Comp</td><td>Fac</td><td>Total</td></tr><tr><td>AFE #:</td><td>163647/53092</td><td></td><td></td><td></td></tr><tr><td>Day Cost(\$):</td><td>105,698</td><td>0</td><td>0</td><td>105,698</td></tr><tr><td>Cum Cost(\$)</td><td>1,105,675</td><td>0</td><td>0</td><td>1,105,675</td></tr><tr><td>AFE(\$):</td><td>0</td><td>0</td><td>0</td><td>0</td></tr></table>					Drig	Comp	Fac	Total	AFE #:	163647/53092				Day Cost(\$):	105,698	0	0	105,698	Cum Cost(\$)	1,105,675	0	0	1,105,675	AFE(\$):	0	0	0	0
	Drig	Comp	Fac	Total																																
AFE #:	163647/53092																																			
Day Cost(\$):	105,698	0	0	105,698																																
Cum Cost(\$)	1,105,675	0	0	1,105,675																																
AFE(\$):	0	0	0	0																																
Current Activity: M/U INNER CORE BARRELS FOR CORE #4.																																				
24 Hr Summary: CORING CORE #3 6,578'- 6,766'.TOH. LAY DOWN CORE #3 (RECOVERED 329' CORE.) M.U. NEW CORE BIT 4 AND INNER BBL.																																				
24 Hr Forecast: T.I.H. CORING CORE # 4.FINISH CORING CORE #4. T.O.H. RECOVER CORE.																																				
MUD PROPERTIES		MUD MATERIALS				BIT RECORD				CASING																										
Fluids Co.: BAROID Fluids Eng: ERNESTO CRUZ JR.		D M Cost(\$): \$10,950.41 C M Cost(\$): \$48,214.42				Bit# 4 S/N A162980 Size (in) 8.75 Mfg NOV IADC Type Model # CDPH713 Jets 7X14 7X14 Depth In (ft) 6,436 Depth Out (ft) 6,766 Bit Rotations 55/55 On Btm Hrs Cum 13.00 Footage Cum (ft) 330 ROP Cum 25.4 WOB mn/mx (kip) / 6 / 6 RPM rot/bit / 55 / 55 Bit HP 0.12 HSI 0.11 PSI Drop (psi) 46.69 Jet Vel (ft/s) 76.58 Imp Force 88.68				Size(in) 9.63 MD(ft)/TVD(ft) 1,032.00 / 1,032.00 FIT/LOT(ppg) 14,907.03 / 6,796.01																										
Time: 1:01 Oil Cnt (%): 70 Location: JCTION TANK H2O Cnt (%): 22 Pit Temp: Sand Cnt: Depth (ft): 6,766.01 MBT: Density (ppg): 8.90 pH: FV (s/qt): 65 Pm: PV (cp): 13 Pf/Mf: / YP (lb/100ft²): 15 Chloride: Gels (l): 11/13/17 Calcium: WL: 10.00 LCM: HTHP (°F): 250 ES (mV): 616.0 Cake: 2.00 LGS (%): 3.30 Solids: Ex Lime (ppb): 4.0 ECD (ppg): 8.9 OWR: 76.1 / 23.9		Mud Additives Used DRILTREAT 2 PALLETs 14 INVERMUL 1 CALCIUM CHLORIDE PO 42 EZ MUL 2 TRANSPORTATION - CW BARABLOK 9 ENGINEER SERVICE (24 SHRINK WRAP 14 DURATONE HT 9 BARITE 41 80 GELTONE V 31 FUEL SURCHARGE 120 LIME 40				INVENTORY Item Inv RIG FUEL 14,719 MUD DIESEL 10,806																														
MUD LOGGING						SOLIDS CONTROL																														
Trip Gas (units): @ Conn Gas (units) @ Form:		BG Gas (units): Pore Pressure: (%)		Surf to Surf: Lag Strokes: Lag Time: (min)		Grading I O D L B G O R Bit # Bit # 4 1 1 WT A X I WTBHA				Skr Deck 1 Screens Deck 2 Screens 1 120/120/120/120 2 120/120/120/120 3																										
BHA # 5						STRING LOADS				MUD PUMPS																										
Qty		Item Description		ID (in)	OD (in)	Len (ft)	Cum (ft)	On Btm Torque: 7,000 Off Btm Torque: 4,500 Str. Wt. Up: 190 Str. Wt. Down: 170 Str. Wt. Rot.: 180 Max Over Pull: 10				#1 #2 #3 Pump DR Type: Liner ID: 6.00 SPM: 60.00 GPM: 251.16 SPR: 1 SPM: 0.00 Pressure: 0.00 2 SPM: 0.00 Pressure: 0.00																								
1				4.000	8.750	1.25	1.25	BHA Hrs: 8				T GPM (gpm): 250 SPP (psi): 1,220																								
1		8 7/16		5.500	7.000	4.00	5.25	Jar Hrs:				AV (DC): AV (DP):																								
1				5.500	7.000	26.00	31.25	Cum String Hours: 13																												
1		8 7/16		5.500	7.000	4.00	35.25	Weight B Jars (kip):																												
1				5.500	7.000	26.00	61.25																													
1		8 7/16		5.500	7.000	4.00	65.25																													
1				5.500	7.000	26.00	91.25																													
1		8 7/16		5.500	7.000	4.00	95.25																													
1				5.500	7.000	26.00	121.25																													
1		8 7/16		5.500	7.000	4.00	125.25																													
1				5.500	7.000	26.00	151.25																													
1		8 7/16		5.500	7.000	4.00	155.25																													
1				5.500	7.000	26.00	181.25																													
1		8 7/16		5.500	7.000	4.00	185.25																													
1				5.500	7.000	26.00	211.25																													
1		8 7/16		5.500	7.000	4.00	215.25																													
1				5.500	7.000	26.00	241.25																													
1		8 7/16		5.500	7.000	4.00	245.25																													
1		LAS SUB		2.250	7.000	3.25	248.50																													
SURVEYS																																				
MD (ft)		Inclination(°)		Azimuth (°)		TVD (ft)		V Section (ft)		+E/-W (ft)		+N/-S (ft)		Dog Leg (°/100ft)																						
5,175		1.30		145.30		5,165		-272.31		54.95		-272.72		1.79																						
5,269		1.30		140.30		5,259		-274.00		56.24		-274.41		0.12																						
5,364		1.20		137.90		5,354		-275.56		57.59		-275.98		0.12																						
5,459		1.20		131.00		5,449		-276.94		59.01		-277.37		0.15																						
5,554		1.10		130.60		5,544		-278.17		60.45		-278.62		0.11																						
5,649		1.60		126.10		5,639		-279.54		62.22		-279.99		0.54																						
5,744		3.00		146.60		5,734		-282.37		64.66		-282.85		1.69																						
5,791		2.80		147.50		5,781		-284.36		65.95		-284.84		0.44																						
OPERATION DETAILS																																				
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION																													
06:00	13:30	7.50	P	DRLPRD	21	CORING	CORING F/ 6578' T/ 6766'.																													
13:30	15:00	1.50	P	DRLPRD	15	CIRC	CIRC. & CLEAN HOLE.																													
15:00	17:30	2.50	P	DRLPRD	13	TRIP	POOH F/ 6766' T/ 3600'.																													
17:30	18:00	0.50	P	DRLPRD	12	RIGSVC	RIG SERVICE.																													
18:00	20:00	2.00	P	DRLPRD	13	TRIP	POOH F/ 3600' T/ 1000'.																													
20:00	20:30	0.50	P	DRLPRD	42	OTHER	WAIT FOR PRESSURE EQUILIBRATION.																													
20:30	21:30	1.00	P	DRLPRD	13	TRIP	POOH TO CORING ASSEMBLY.																													
21:30	04:00	6.50	P	DRLPRD	14	PULDSTR	LAY DOWN CORE #3 (CORE #3 = 330', RECOVERED329'. TOTAL CORE RECOVERED = 927.45 (SAFETY MEETING WITH RIG AND CORING PERSONNEL PRIOR TO LAYING DOWN CORE)																													
04:00	06:00	2.00	P	DRLPRD	14	PULDSTR	P/U CHANGE & M/U BIT. LOAD NEW INNER CORE BARRELS FOR CORE #4.																													
Daily Operations Comments																																				
WPS - 307,945 CORE #1- 5,835'-6,106' = 271' CORED, 269.45' RECOVERED. CORE #2- 6106'- 6,436' = 330" CORED.RECOVERED 331.15'. CORE #3 = 6,436'- 6,766'. CORED 330' CUMULATIVE CORED = 931". CUMULATIVE RECOVERY = 929.6'																																				

EP ENERGY	Daily Drilling Report Onshore	Well Name/Wellbore No.: UNIVERSITY SALT DRAW 4102FH/00		Report Number: 010 Report Date: 03/05/2015 Spud Date: 02/25/2015 Release Date: DFS: 8.00 Last BOP T.: Safety & Environmental Incident: No		API #: 4210542192 DOL: 9 AFE Days: 25	
		Country: USA State/OCSG: TEXAS Field/Permit#: SALT DRAW Supervisors: JOHNNY CHATAGNIER / WESTON WH Engineer/Manager: MOTLEY, DEREK / DERDEN, ROY					
Depth md/tvd (ft): 6,960.01 / 6,948.35 Progress (ft): 194.00 ROP: 194.0 / 10.50 = 18.48 Proposed TD (ft): 7,500.00 Next Csg Point (ft): 14,907.03				Rig: NORAM/21 Rig Phone: 713-997-1265 RKB (ft): 2,665.51 Ground Level (ft): 2,636.0 POB: 32 Total Man Hours: 378.00		Drig Comp Fac Total	
Current Activity: TOOH TO CORE ASSEMBLY. 24 Hr Summary: TIH W/ CORE ASSEMBLY #4. CORE #4 FROM 6,766' TO 6,960'. TOOH TO RECOVER CORE. 24 Hr Forecast: LD CORE #4 . RECOVER CORE. LD CORE TOOLS. PU CONVENTIONAL BHA. TIH. DRILL TO PILOT TD. DROP GYRO. TOOH LD TOOLS. RU FOR LOGGING.				AFE #: Day Cost(\$): Cum Cost(\$): AFE(\$):		163647/53092 81,945 1,187,621 0	
MUD PROPERTIES		MUD MATERIALS		BIT RECORD		CASING	
Fluids Co.: BAROID Fluids Eng: ERNESTO CRUZ JR. Time: 3:00 Location: JCTION TANK Pit Temp: Depth (ft): 6,960.01 Density (ppg): 8.90 FV (s/qt): 69 PV (cp): 15 YP (lb/100ft²): 15 Gels (l): 11/13/17 WL: 10.00 HTHP ("F): 250 Cake: 2.00 Solids (lbm/bbl): 6 ECD (ppg): 8.9		D M Cost(\$): \$7,570.15 C M Cost(\$): \$55,784.56 Mud Additives FUEL SURCHARGE BARITE 41 CALCIUM CHLORIDE PO SHRINK WRAP BARABLOK GELTONE V ENGINEER SERVICE (24 TRANSPORTATION - CW LIME DURATONE HT INVERMUL		Bit# S/N Size (in) Mfg IADC Type Model # Jets Depth In (ft) Depth Out (ft) Bit Rotations On Btm Hrs Cum Footage Cum (ft) ROP Cum WOB mm/mx (kip) RPM rot/bit Bit HP HSI PSI Drop (psi) Jet Vel (ft/s) Imp Force		Size(in) MD(ft)/TVD(ft) FIT/LOT(ppg) INVENTORY Item RIG FUEL MUD DIESEL SOLIDS CONTROL Skr Deck 1 Screens Deck 2 Screens	
MUD LOGGING		MUD LOGGING		MUD LOGGING		MUD LOGGING	
Trip Gas (units): Conn Gas (units): Form:		BG Gas (units): Surf to Surf: Lag Strokes: Lag Time:		Grading Bit # Bit # 5		I O D L B G O R 0 1 CT S X I NOBHA	
BHA # 5				STRING LOADS		MUD PUMPS	
Qty Item Description ID (in) OD (in) Len (ft) Cum (ft)				On Btm Torque: 7,000 Off Btm Torque: 2,500 Str. Wt. Up: 190 Str. Wt. Down: 170 Str. Wt. Rot.: 180 Max Over Pull: BHA PROPERTIES BHA Hrs: 11 Jar Hrs: Cum String Hours: 11 Weight B Jars (kip):		#1 #2 #3 Pump Type: DR Liner ID: 6.00 SPM: 60.00 GPM: 251.16 SPR: 1 SPM: 0.00 Pressure: 0.00 2 SPM: 0.00 Pressure: 0.00 T GPM (gpm): 250 SPP (psi): 960 AV (DC): AV (DP): 119	
SURVEYS				SURVEYS		SURVEYS	
MD (ft) Inclination(°) Azimuth (°) TVD (ft) V Section (ft) +E/-W (ft) +N/-S (ft) Dog Leg (°/100ft)				SURVEYS		SURVEYS	
06:00 10:30 4.50 P DRLPRD 13 TRIP TIH W/ CORE ASSEMBLY #4.				SURVEYS		SURVEYS	
10:30 12:00 1.50 P DRLPRD 15 CIRC CIRCULATE BTMS. UP. DROP BALL.				SURVEYS		SURVEYS	
12:00 22:30 10.50 P DRLPRD 21 CORING CORE #4 FROM 6,766' TO 6,960'.				SURVEYS		SURVEYS	
22:30 00:00 1.50 P DRLPRD 15 CIRC CIRCULATE BTMS. UP. PUMP SLUG.				SURVEYS		SURVEYS	
00:00 04:00 4.00 P DRLPRD 13 TRIP POOH F/ 6,960' T/ 1,000'.				SURVEYS		SURVEYS	
04:00 05:00 1.00 P DRLPRD 42 OTHER WAIT FOR PRESSURE EQUILIBRATION.				SURVEYS		SURVEYS	
05:00 06:00 1.00 P DRLPRD 13 TRIP POOH TO CORING ASSEMBLY.				SURVEYS		SURVEYS	
Daily Operations Comments				Daily Operations Comments		Daily Operations Comments	
CORE #1- 5,835'-6,106' = 271' CORED, 269.45' RECOVERED. CORE #2- 6106'- 6,436' = 330" CORED.RECOVERED 331.15'. CORE #3 = 6,436'- 6,766'. CORED 330'.				Daily Operations Comments		Daily Operations Comments	
CORE #4 = 6,766'-6,960' .CORED 194' CUMULATIVE CORED =1,125". CUMULATIVE RECOVERY = 929.6'				Daily Operations Comments		Daily Operations Comments	

 Daily Drilling Report Onshore		Well Name/Wellbore No.: UNIVERSITY SALT DRAW 4102FH/00		Report Number: 012 API #: 4210542192																																					
		Country: USA State/OCSG: TEXAS Field/Permit#: SALT DRAW Supervisors: JOHNNY CHATAGNIER / WESTON WH Engineer/Manager: MOTLEY, DEREK / DERDEN, ROY		Report Date: 03/07/2015 Spud Date: 02/25/2015 Release Date: DFS: 10.00 DOL: 11 AFE Days: 25 Last BOP T.: 02/25/2015 Safety & Environmental Incident: No																																					
Depth md/tvd (ft): 7,170.01 / 7,158.10 Progress: ROP: / = 0.00 Proposed TD (ft): 7,500.00 Next Csg Point (ft): 14,907.03		Rig: NORAM/21 Rig Phone: 713-997-1265 RKB (ft): 2,665.51 Ground Level (ft): 2,636.0 POB: 42 Total Man Hours: 470.00		<table><tr><td></td><td>Drlg</td><td>Comp</td><td>Fac</td><td>Total</td></tr><tr><td>AFE #:</td><td>163647/53092</td><td></td><td></td><td></td></tr><tr><td>Day Cost(\$):</td><td>88,801</td><td>0</td><td>0</td><td>88,801</td></tr><tr><td>Cum Cost(\$)</td><td>1,339,437</td><td>0</td><td>0</td><td>1,339,437</td></tr><tr><td>AFE(\$):</td><td>0</td><td>0</td><td>0</td><td>0</td></tr></table>			Drlg	Comp	Fac	Total	AFE #:	163647/53092				Day Cost(\$):	88,801	0	0	88,801	Cum Cost(\$)	1,339,437	0	0	1,339,437	AFE(\$):	0	0	0	0											
	Drlg	Comp	Fac	Total																																					
AFE #:	163647/53092																																								
Day Cost(\$):	88,801	0	0	88,801																																					
Cum Cost(\$)	1,339,437	0	0	1,339,437																																					
AFE(\$):	0	0	0	0																																					
Current Activity: RUNNING C.M.R. LITHO SCANNER SPECTRAL LOG @ 5,000'. 24 Hr Summary: RUN SONIC SCANNER- NGI LOG, TRIPLE COMBO LOG, AND C.M.R. LITHO SCANNER SPECTRAL LOG. 24 Hr Forecast: COMPLETE LOGGING RUN. RD SCHLUMBERGER. TIH TO PUMP CEMENT PLUGS.																																									
MUD PROPERTIES		MUD MATERIALS		BIT RECORD		CASING																																			
Fluids Co.: BAROID Fluids Eng: ERNESTO CRUZ JR. Time: 3:00 Location: ICTION TANK Pit Temp: Depth (ft): 7,170.01 Density (ppg): 9.10 FV (s/qt): 68 PV (cp): 16 YP (lb/100ft³): 16 Gels (l): 11/13/19 WL: 10.00 HTHP (°F): 250 Cake: 2.00 Solids (lbm/bbl): 7 ECD (ppg): 9.1		D M Cost(\$): \$0.00 C M Cost(\$): \$58,158.24 <table><tr><td>Mud Additives</td><td>Used</td></tr><tr><td></td><td></td></tr></table>		Mud Additives	Used			Bit# S/N Size (in) Mfg IADC Type Model # Jets Depth In (ft) Depth Out (ft) Bit Rotations On Btm Hrs Cum Footage Cum (ft) ROP Cum WOB mn/mx (kip) / / RPM rot/bit / / Bit HP HSI PSI Drop (psi) Jet Vel (ft/s) Imp Force		<table><tr><td>Size(in)</td><td colspan="2">MD(ft)/TVD(ft)</td><td>FIT/LOT(ppg)</td></tr><tr><td>14.00</td><td>40.00 /</td><td>40.00</td><td></td></tr><tr><td>9.63</td><td>1,032.00 /</td><td>1,032.00</td><td></td></tr><tr><td>5.50</td><td>14,907.03 /</td><td>6,796.01</td><td></td></tr></table>		Size(in)	MD(ft)/TVD(ft)		FIT/LOT(ppg)	14.00	40.00 /	40.00		9.63	1,032.00 /	1,032.00		5.50	14,907.03 /	6,796.01															
Mud Additives	Used																																								
Size(in)	MD(ft)/TVD(ft)		FIT/LOT(ppg)																																						
14.00	40.00 /	40.00																																							
9.63	1,032.00 /	1,032.00																																							
5.50	14,907.03 /	6,796.01																																							
						INVENTORY																																			
						<table><tr><td>Item</td><td>Inv</td></tr><tr><td>RIG FUEL</td><td>10,789</td></tr></table>	Item	Inv	RIG FUEL	10,789																															
Item	Inv																																								
RIG FUEL	10,789																																								
						SOLIDS CONTROL																																			
						<table><tr><td>Skr</td><td>Deck 1 Screens</td><td>Deck 2 Screens</td></tr><tr><td>1</td><td>120/120/120/120</td><td></td></tr><tr><td>2</td><td>120/120/120/120</td><td></td></tr><tr><td>3</td><td></td><td></td></tr></table>	Skr	Deck 1 Screens	Deck 2 Screens	1	120/120/120/120		2	120/120/120/120		3																									
Skr	Deck 1 Screens	Deck 2 Screens																																							
1	120/120/120/120																																								
2	120/120/120/120																																								
3																																									
MUD LOGGING																																									
Trip Gas (units): @ Conn Gas (units) @ Form:		BG Gas (units): Pore Pressure: (%)		Surf to Surf: Lag Strokes: Lag Time: (min)																																					
				<table><tr><td>Grading</td><td>I</td><td>O</td><td>D</td><td>L</td><td>B</td><td>G</td><td>O</td><td>R</td></tr><tr><td>Bit #</td><td colspan="8"></td></tr><tr><td>Bit #</td><td colspan="8"></td></tr></table>		Grading	I	O	D	L	B	G	O	R	Bit #									Bit #																	
Grading	I	O	D	L	B	G	O	R																																	
Bit #																																									
Bit #																																									
						MUD PUMPS																																			
						<table><tr><td></td><td>#1</td><td>#2</td><td>#3</td></tr><tr><td>Pump Type:</td><td></td><td></td><td></td></tr><tr><td>Liner ID:</td><td></td><td>0.00</td><td></td></tr><tr><td>SPM:</td><td></td><td>0.00</td><td></td></tr><tr><td>GPM:</td><td></td><td>0.00</td><td></td></tr><tr><td>SPR:</td><td></td><td></td><td></td></tr><tr><td>1 SPM:</td><td></td><td>0.00</td><td></td></tr><tr><td>Pressure:</td><td></td><td>0.00</td><td></td></tr><tr><td>2 SPM:</td><td></td><td>0.00</td><td></td></tr><tr><td>Pressure:</td><td></td><td>0.00</td><td></td></tr></table>			#1	#2	#3	Pump Type:				Liner ID:		0.00		SPM:		0.00		GPM:		0.00		SPR:				1 SPM:		0.00		Pressure:		0.00		2 SPM:	
	#1	#2	#3																																						
Pump Type:																																									
Liner ID:		0.00																																							
SPM:		0.00																																							
GPM:		0.00																																							
SPR:																																									
1 SPM:		0.00																																							
Pressure:		0.00																																							
2 SPM:		0.00																																							
Pressure:		0.00																																							
						T GPM (gpm): SPP (psi): AV (DC): 400 AV (DP): 291																																			
SURVEYS																																									
MD (ft)		Inclination(°)		Azimuth (°)		TVD (ft)		V Section (ft)		+E/-W (ft)		+N/-S (ft)		Dog Leg (°/100ft)																											
5,175		1.30		145.30		5,165		-272.31		54.95		-272.72		1.79																											
5,269		1.30		140.30		5,259		-274.00		56.24		-274.41		0.12																											
5,364		1.20		137.90		5,354		-275.56		57.59		-275.98		0.12																											
5,459		1.20		131.00		5,449		-276.94		59.01		-277.37		0.15																											
5,554		1.10		130.60		5,544		-278.17		60.45		-278.62		0.11																											
5,649		1.60		126.10		5,639		-279.54		62.22		-279.99		0.54																											
5,744		3.00		146.60		5,734		-282.37		64.66		-282.85		1.69																											
5,791		2.80		147.50		5,781		-284.36		65.95		-284.84		0.44																											
OPERATION DETAILS																																									
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION																																		
06:00	08:00	2.00	P	EVLPRD	22	LOGFORM	DOWN LOG SCONIC SCANNER- NGI. NGI STOPPED WORKING @ 6,980'. DID NOT GET REPEAT LOG.																																		
08:00	10:3																																								

EP ENERGY	Daily Drilling Report Onshore		Well Name/Wellbore No.: UNIVERSITY SALT DRAW 4102FH/00			Report Number: 013 API #: 4210542192													
			Country: USA State/OCSG: TEXAS Field/Permit#: SALT DRAW Supervisors: JOHNNY CHATAGNIER / WESTON WH Engineer/Manager: MOTLEY, DEREK / DERDEN, ROY			Report Date: 03/08/2015 Spud Date: 02/25/2015 Release Date: DFS: 11.00 DOL: 12 AFE Days: 25 Last BOP T.: 02/25/2015 Safety & Environmental Incident: No													
Depth md/tvd (ft): 7,170.01 / 7,158.10			Rig: NORAM/21			Drig			Comp			Fac			Total				
Progress:			Rig Phone: 713-997-1265			AFE #:			163647/53092										
ROP: / = 0.00			RKB (ft): 2,665.51			Day Cost(\$):			1,806.299			0			0				
Proposed TD (ft): 7,500.00			Ground Level (ft): 2,636.0			Cum Cost(\$):			3,155.236			0			0				
Next Csg Point (ft): 1,032.00			POB: 34 Total Man Hours: 410.00			AFE(\$):			0			0			0				
Current Activity: TIH OPEN ENDED W/ 5" D.P. @ 2,500' TO SET KICK OFF PLUGS.																			
24 Hr Summary: RUN C.M.R. LITHO SCANNER SPECTRAL LOG AND UBI- SONIC SCANNER- OBMI LOG. LD TOOL STRING. RD SCHLUMBERGER. TIH OPEN ENDED W/ 5" D.P.																			
24 Hr Forecast: FINISH TIH TO SET KICK OFF PLUGS. TOOH. TEST BOPE. CUT DRILL LINE. PU DRESS OFF ASSEMBLY. TIH TO TOC. WOC.																			
MUD PROPERTIES					MUD MATERIALS					BIT RECORD					CASING				
Fluids Co.: BAROID					D M Cost(\$): \$900.00					Bit#					Size(in)				
Fluids Eng: BRENT DIERLAM					C M Cost(\$): \$59,058.24					S/N					MD(ft)/TVD(ft)				
Time: 3:00 Oil Cnt (%): 66					Mud Additives					Size (in)					FIT/LOT(ppg)				
Location: JCTION TANK					ENGINEER SERVICE (24					Mfg					14.00				
Pit Temp:										IADC Type					9.63				
Depth (ft): 7,170.01										Model #					69.50 / 69.50				
Density (ppg): 9.10										Jets					1,032.00 / 1,032.00				
FV (s/qt): 75										Depth In (ft)									
PV (cp): 16										Depth Out (ft)									
YP (lb/100ft³): 16										Bit Rotations									
Gels (l): 11/13/19										On Btm Hrs Cum									
WL: 10.00										Footage Cum (ft)									
HTHP (°F): 250										ROP Cum									
Cake: 2.00										WOB mm/mx (kip)					/ /				
Solids (lbm/bbl): 7										RPM rot/bit					/ /				
ECD (ppg): 9.1										Bit HP									
										HSI									
										PSI Drop (psi)									
										Jet Vel (ft/s)									
										Imp Force									
										Grading					I O D L B G O R				
										Bit #									
										Bit #									
MUD LOGGING																			
Trip Gas (units): @					BG Gas (units):					Surf to Surf:									
Conn Gas (units): @										Lag Strokes:									
Form:					Pore Pressure: (%)					Lag Time: (min)									
MUD PUMPS																			
					#1					#2					#3				
Pump Type:																			
Liner ID:										0.00									
SPM:										0.00									
GPM:										0.00									
SPR:																			
1 SPM:										0.00									
Pressure:										0.00									
2 SPM:										0.00									
Pressure:										0.00									
T GPM (gpm): SPP (psi):																			
AV (DC): AV (DP):																			
SURVEYS																			
MD (ft)		Inclination(°)		Azimuth (°)		TVD (ft)		V Section (ft)		+E/-W (ft)		+N/-S (ft)		Dog Leg (°/100ft)					
5,175		1.30		145.30		5,165		-272.31		54.95		-272.72		1.79					
5,269		1.30		140.30		5,259		-274.00		56.24		-274.41		0.12					
5,364		1.20		137.90		5,354		-275.56		57.59		-275.98		0.12					
5,459		1.20		131.00		5,449		-276.94		59.01		-277.37		0.15					
5,554		1.10		130.60		5,544		-278.17		60.45		-278.62		0.11					
5,649		1.60		126.10		5,639		-279.54		62.22		-279.99		0.54					
5,744		3.00		146.60		5,734		-282.37		64.66		-282.85		1.69					
5,791		2.80		147.50		5,781		-284.36		65.95		-284.84		0.44					
OPERATION DETAILS																			
FROM		TO		HRS		OP CODE		PHASE		CODE		ACTIVITY		DESCRIPTION					
06:00		09:30		3.50		P		EVLPRD		22		LOGFORM		COMPLETE C.M.R. LITHO SCANNER SPECTRAL LOG. POOH, L.D. TOOL STRING.					
09:30		04:30		18.00		P		EVLPRD		22		LOGFORM		P.U. UBI- SONIC SCANNER- OBMI, TIH. LOG FROM 7,175' TO 1,032'. L.D. TOOL STRING. R.D. SCHLUMBERGER. (1 HR. LOSS DUE TO DAYLIGHT SAVINGS).					
04:30		06:00		1.50		P													

EP ENERGY	Daily Drilling Report Onshore		Well Name/Wellbore No.: UNIVERSITY SALT DRAW 4102FH/00			Report Number: 013 Report Date: 03/08/2015 Spud Date: 02/25/2015 Release Date: 02/25/2015 DOL: 12 AFE Days: 25 Safety & Environmental Incident: No													
			Country: USA State/OCSG: TEXAS Field/Permit#: SALT DRAW Supervisors: JOHNNY CHATAGNIER / WESTON WH Engineer/Manager: MOTLEY, DEREK / DERDEN, ROY																
Depth md/tvd (ft): 7,170.01 / 7,158.10			Rig: NORAM/21			Drig			Comp			Fac			Total				
Progress:			Rig Phone: 713-997-1265			AFE #:			163647/53092										
ROP: / = 0.00			RKB (ft): 2,665.51			Day Cost(\$):			1,806.299			0			0				
Proposed TD (ft): 7,500.00			Ground Level (ft): 2,636.0			Cum Cost(\$):			3,155.236			0			0				
Next Csg Point (ft): 14,907.03			POB: 34 Total Man Hours: 410.00			AFE(\$):			0			0			0				
Current Activity: TIH OPEN ENDED W/ 5" D.P. @ 2,500' TO SET KICK OFF PLUGS.																			
24 Hr Summary: RUN C.M.R. LITHO SCANNER SPECTRAL LOG AND UBI- SONIC SCANNER- OBMI LOG. LD TOOL STRING. RD SCHLUMBERGER. TIH OPEN ENDED W/ 5" D.P.																			
24 Hr Forecast: FINISH TIH TO SET KICK OFF PLUGS. TOOH. TEST BOPE. CUT DRILL LINE. PU DRESS OFF ASSEMBLY. TIH TO TOC. WOC.																			
MUD PROPERTIES					MUD MATERIALS					BIT RECORD					CASING				
Fluids Co.: BAROID					D M Cost(\$): \$900.00					Bit#					Size(in)				
Fluids Eng: BRENT DIERLAM					C M Cost(\$): \$59,058.24					S/N					MD(ft)/TVD(ft)				
Time: 3:00 Oil Cnt (%): 66					Mud Additives					Size (in)					FIT/LOT(ppg)				
Location: JCTION TANK					ENGINEER SERVICE (24					Mfg					14.00 40.00 / 40.00				
Pit Temp:										IADC Type					9.63 1,032.00 / 1,032.00				
Depth (ft): 7,170.01										Model #					5.50 14,907.03 / 6,796.01				
Density (ppg): 9.10										Jets									
FV (s/qt): 75										Depth In (ft)									
PV (cp): 16										Depth Out (ft)									
YP (lb/100ft³): 16										Bit Rotations									
Gels (l): 11/13/19										On Btm Hrs Cum									
WL: 10.00										Footage Cum (ft)									
HTHP (°F): 250										ROP Cum									
Cake: 2.00										WOB mm/mx (kip)					/ /				
Solids (lbm/bbl): 7										RPM rot/bit					/ /				
ECD (ppg): 9.1										Bit HP									
										HSI									
										PSI Drop (psi)									
										Jet Vel (ft/s)									
										Imp Force									
										Grading					I O D L B G O R				
										Bit #									
										Bit #									
MUD LOGGING																			
Trip Gas (units): @					BG Gas (units):					Surf to Surf:									
Conn Gas (units): @										Lag Strokes:									
Form:					Pore Pressure: (%)					Lag Time: (min)									
MUD PUMPS																			
					#1					#2					#3				
Pump Type:																			
Liner ID:										0.00									
SPM:										0.00									
GPM:										0.00									
SPR:																			
1 SPM:										0.00									
Pressure:										0.00									
2 SPM:										0.00									
Pressure:										0.00									
T GPM (gpm): SPP (psi):																			
AV (DC): AV (DP):																			
SURVEYS																			
MD (ft)		Inclination(°)		Azimuth (°)		TVD (ft)		V Section (ft)		+E/-W (ft)		+N/-S (ft)		Dog Leg (°/100ft)					
5,175		1.30		145.30		5,165		-272.31		54.95		-272.72		1.79					
5,269		1.30		140.30		5,259		-274.00		56.24		-274.41		0.12					
5,364		1.20		137.90		5,354		-275.56		57.59		-275.98		0.12					
5,459		1.20		131.00		5,449		-276.94		59.01		-277.37		0.15					
5,554		1.10		130.60		5,544		-278.17		60.45		-278.62		0.11					
5,649		1.60		126.10		5,639		-279.54		62.22		-279.99		0.54					
5,744		3.00		146.60		5,734		-282.37		64.66		-282.85		1.69					
5,791		2.80		147.50		5,781		-284.36		65.95		-284.84		0.44					
OPERATION DETAILS																			
FROM		TO		HRS		OP CODE		PHASE		CODE		ACTIVITY			DESCRIPTION				
06:00		09:30		3.50		P		EVLPRD		22		LOGFORM			COMPLETE C.M.R. LITHO SCANNER SPECTRAL LOG. POOH, L.D. TOOL STRING.				
09:30		04:30		18.00		P		EVLPRD		22		LOGFORM			P.U. UBI- SONIC SCANNER- OBMI, TIH. LOG FROM 7,175' TO 1,032'. L.D. TOOL STRING. R.D. SCHLUMBERGER. (1 HR. LOSS DUE TO DAYLIGHT SAVINGS).				
04:30		06:00		1.50		P		DRLPRD		1									

[illegible]

<div>EP ENERGY</div> <div>Daily Drilling Report Onshore</div>			Well Name/Wellbore No.: UNIVERSITY SALT DRAW 4102FH/01			Report Number: 017 API #: 4210542192									
			Country: USA			Report Date: 03/12/2015									
			State/OCSG: TEXAS			Spud Date: 02/25/2015									
			Field/Permit#: SALT DRAW			Release Date:									
Depth md/tvd (ft): 8,195.02 / 7,429.74 Progress (ft): 1,483.00 ROP: 1,483.0 / 14.00 = 105.93 Proposed TD (ft): 14,907.00 Next Csg Point (ft): 14,907.03			Rig: NORAM/21			DFS: 15.00 DOL: 16 AFE Days: 25									
			Rig Phone: 713-997-1265			Last BOP T.: 03/08/2015									
			RKB (ft): 2,665.51			Safety & Environmental Incident: No									
			Ground Level (ft): 2,636.0												
Engineer/Manager: MOTLEY, DEREK / MANGUM, DANNY			POB: 29 Total Man Hours: 366.00												
Current Activity: DRILLING LATERAL AT 8,195'.PTB (INC-88.3, AZM-358.8,TVD-6,718', BELOW -7.78', LEFT-14.7') TOTAL LATERAL LENGTH -1,172'.															
24 Hr Summary: TOOH FOR LATERAL ASSEMBLY, TIH WITH NEW BHA. BUILD CURVE TO 7,023'. CURVE LANDED AT 85° @ 22:00.															
24 Hr Forecast: TIH WITH LATERAL ASSEMBLY. LAND CURVE. DRILL LATERAL.															
MUD PROPERTIES			MUD MATERIALS			BIT RECORD			CASING						
Fluids Co.: BAROID			D M Cost(\$): \$5,882.06			Bit# 8			Size(in)						
Fluids Eng: BRENT DIERLAM			C M Cost(\$): \$76,014.89			S/N 29498			MD(ft)/TVD(ft)						
Time: 3:00 Oil Cnt (%): 67			Mud Additives			Size (in) 8.75			FIT/LOT(ppg)						
Location: JCTION TANK H2O Cnt (%): 23			ENGINEER SERVICE (24			Mfg ULTERRA									
Pit Temp (°F): 112 Sand Cnt:			GELTONE V			IADC Type									
Depth (ft): 7,434.01 MBT:			BARABLOK			Model # U516M									
Density (ppg): 9.00 pH:			DURATONE HT			Jets 5X18									
FV (s/qt): 56 Pm:			EZ MUL			Depth In (ft) 5,700									
PV (cp): 16 P/Mf:			CALCIUM CHLORIDE PO			Depth Out (ft) 6,712									
YP (lb/100ft²): 15 Chloride:			INVERMUL			Bit Rotations /									
Gels (): 11/13/19 Calcium:			LIME			On Btm Hrs Cum									
WL: 10.00 LCM:						Footage Cum (ft)									
HTHP (°F): 250 ES (mV): 611.0						ROP Cum 361.9									
Cake: 2.00 LGS (%): 6.40						WOB mn/mx (kip) /									
Solids (lbm/bbl): 7 Ex Lime (ppb): 3.5						RPM rot/bit /									
ECD (ppg): 9.5 OWR: 74.0 / 26.0						Bit HP 1.30									
						HSI 1.05									
						PSI Drop (psi) 184.40									
						Jet Vel (ft/s) 151.33									
						Imp Force 413.51									
						Grading									
						Bit # 8 1 1 WT S X I NOBHA									
						Bit # 9									
MUD LOGGING															
Trip Gas (units): @		BG Gas (units):		Surf to Surf:											
Conn Gas (units) @				Lag Strokes:											
Form:		Pore Pressure: (%)		Lag Time: (min)											
BHA # 9						STRING LOADS			MUD PUMPS						
Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)	On Btm Torque: 13,000			#1						
1	HUGHES T606X		8.750	1.00	1.00	Off Btm Torque: 8,000			#2						
1	6 3/4" 1.83" 7/8 5.0 .28 RPG FBH M	2.000	6.750	24.76	25.76	Str. Wt. Up: 195			#3						
1	FLOAT SUB	3.250	6.750	2.91	28.67	Str. Wt. Down: 145									
1	PONY NMDC	2.750	6.562	11.53	40.20	Str. Wt. Rot.: 165									
1	EM NMDC	3.250	6.687	31.66	71.86	Max Over Pull: 0									
1	NMDC	2.875	6.750	28.26	100.12										
75	5" DP	4.276	6.625	2,376.37	2,476.49										
1	DRILLING AGITATOR	2.375	6.625	12.99	2,489.48										
1	SHOCK SUB	2.250	6.625	10.84	2,500.33										
	5" DP	4.276	5.000	5,694.69	8,195.02										
Total Length: 8,195.02															
						BHA PROPERTIES									
						BHA Hrs:									
						Jar Hrs:									
						Cum String Hours: 0									
						Weight B Jars (kip): 0									
SURVEYS															
MD (ft)		Inclination(°)		Azimuth (°)		TVD (ft)		V Section (ft)		+E/-W (ft)		+N/-S (ft)		Dog Leg (°/100ft)	
6,474		33.20		1.60		6,444		-153.76		59.43		-153.85		10.28	
6,506		37.70		3.20		6,470		-135.23		60.22		-135.31		14.36	
6,537		42.40		3.20		6,494		-115.31		61.34		-115.40		15.16	
6,569		46.10		2.70		6,517		-93.02		62.48		-93.10		11.61	
6,600		49.80		2.40		6,537		-70.02		63.50		-70.11		11.96	
6,633		53.40		2.30		6,558		-44.18		64.56		-44.28		10.91	
6,664		56.10		2.30		6,576		-18.89		65.58		-18.98		8.71	
5,649		1.60		126.10		5,639		-280.01		62.29		-280.10		0.00	
OPERATION DETAILS															
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION								
06:00	09:00	3.00	P	DRLPRD	13	TRIP	POOH & LD CURVE BHA.								
09:00	14:00	5.00	P	DRLPRD	10	DRLLAT	PU CURVE BHA @ TIH TO 6,490'. (ORIENT BEFORE ENTERING SIDE TRACK)								
14:00	14:30	0.50	P	DRLPRD	12	RIGSVC	RIG SERVICE.								
14:30	16:00	1.50	P	DRLPRD	42	OTHER	LOG GAMMA 6,490'-6,712'.								
16:00	17:30	1.50	P	DRLPRD	09	DRLCRV	DRILLED CURVE 6,712'-6,806'.								
17:30	18:00	0.50	P	DRLPRD	12	RIGSVC	RIG SERVICE.								
18:00	22:00	4.00	P	DRLPRD	09	DRLCRV	DRILLED CURVE 6,806' - 7,023'. CURVE LANDED AT 85° @22:00								
22:00	06:00	8.00	P	DRLPRD	10	DRLLAT	DRILED LATERAL 7,023' - 8,195'.								
Daily Operations Comments															
DRILLING OFF OF DIRECTIONAL PLAN ST.1 PLAN # 6. RYAN 1.83 DEGREE FBH MOTOR 4/5 7.0 RPG-.28 BTB W/ BIT-3.94' BTS-57' BTG-56'.															

