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<div>EP ENERGY</div> <div>Daily Drilling Report Onshore</div>		<div>Well Name/Wellbore No.: UNIVERSITY SALT DRAW 3820GH/00</div> <div>Country: USA State/OCSG TEXAS Field/Permit#: SALT DRAW Supervisors: JOHNSON, DUSTY / PANNELL, CHARL Engineer/Manager: MOTLEY, DEREK / MARES, SERGIO</div>		<div>Report Number: 008 Report Date: 03/26/2017 Spud Date: 03/20/2017 Release Date: DFS: 6.04 Last BOP T.: DOL: 7 AFE Days: 8</div>																																																																																																																					
Data shared on this report is CONFIDENTIAL																																																																																																																									
Depth md/tvd (ft): 14,835.03 / 6,726.04 Progress (ft): 3,371.01 ROP: 3,371.0 / 14.00 = 240.79 Proposed TD (ft): 14,856.60 Next Csg Point (ft): 14,826.03		Rig: NABORS DRILLING/F-34 Rig Phone: 713-997-1205 RKB (ft): 2,643.01 Ground Level (ft): 2,613.0 POB: 24 Total Man Hours: 273.00																																																																																																																							
Current Activity: RIGGING UP TO RUN CASING 5 1/2" CASING 24 Hr Summary: DIRLL LATERAL F/ 11,464' - 14,032'. R/S, DRILL LATERLA F/ 14,032' - 14835'. (TD), CIRCULATE HOLE CLEAN, TOOH. R/UP CASING TOOLS 24 Hr Forecast: RUN & CEMENT 5 1/2" PRODUCTION CASING																																																																																																																									
<div>MUD PROPERTIES</div> <div>Fluids Co.: HALLIBURTON Fluids Eng: Michael Burkett Time: 0:00 Oil Cnt (%): 73 Location: JCTION TANK H2O Cnt (%): 19 Pit Temp (°F): 118 Sand Cnt (%): 0.01 Depth (ft): 14,835.03 MBT (lbm/bbl): 0.0 Density (ppg): 8.85 pH: 0.0 FV (s/qt): 56 Pm (cc): 0.0 PV (cp): 15 Pf (cc)/Mf (cc): 0.0 / 0.0 YP (lb/100ft²): 14 Chloride (ppm): 0 Gels (): 13/17/23 Calcium (ppm): 0.00 WL (cc/30min): 6.80 LCM (lbm/bbl): 0.0 HTHP (°F): 250 ES (mV): 769.0 Cake (32nd"): 2.00 LGS (%): 3.60 Solids (lbm/bbl): 33 Ex Lime (ppb): 3.1 ECD (ppg): 9.8 OWR: 79.3 / 20.7</div>		<div>MUD MATERIALS</div> <div>Mud Additives Used MUD ENGINEER 1 GELTONE 16 SHRINK WRAP 12 SUSPENTONE 8 TRANSPORTATION 450 CALCIUM CHLORIDE PO 64 FUEL SURCHARGE 300 LIME 89 TAX 4,453 BARABLOK 19</div>		<div>BIT RECORD</div> <div>Bit# 4 S/N 7059680 Size (in) 8.75 IADC Type HALLIBURTON Model # MM65D Jets 6X18 Depth In (ft) 10,190 Depth Out (ft) 14,835 Bit Rotations 70/238 On Btm Hrs Cum 22.50 Footage Cum (ft) 4,645 ROP Cum 206.4 WOB mn/mx (kip) 35 / 40 RPM rot/bit 70 / 238 Bit HP 1.17 HSI 0.78 PSI Drop (psi) 131.98 Jet Vel (ft/s) 129.11 Imp Force 361.42 Grading I O D L B G O R Bit # Bit # 4</div>		<div>CASING</div> <div>Size(in) MD(ft)/TVD(ft) FIT/LOT(ppg) 14.00 70.00 / 70.00 9.63 993.00 / 993.00 5.50 14,826.03 / 6,726.01</div> <div>INVENTORY</div> <div>Item Inv MUD DIESEL 9,000 DIESEL 13,402</div> <div>SOLIDS CONTROL</div> <div>Skr Deck 1 Screens Deck 2 Screens 1 100/100/100/100 2 100/100/100/100 3 100/100/100/100</div>																																																																																																																			
<div>MUD LOGGING</div> <div>Trip Gas (units): @ BG Gas (units): Conn Gas (units) @ Form: Pore Pressure: (%) Surf to Surf: Lag Strokes: Lag Time: (min)</div>																																																																																																																									
<div>BHA # 4</div> <table><tr><th>Qty</th><th>Item Description</th><th>ID (in)</th><th>OD (in)</th><th>Len (ft)</th><th>Cum (ft)</th></tr><tr><td>1</td><td>SECURITY MM65D</td><td></td><td>8.500</td><td>1.00</td><td>1.00</td></tr><tr><td>1</td><td>RYAN 6 5/8" 7/8 5.0 1.75 FBH MUD</td><td></td><td>6.625</td><td>25.64</td><td>26.64</td></tr><tr><td>1</td><td>PONY DC</td><td>3.250</td><td>6.625</td><td>10.54</td><td>37.18</td></tr><tr><td>1</td><td>EM TOOL</td><td>3.250</td><td>6.625</td><td>26.26</td><td>63.44</td></tr><tr><td>1</td><td>NMDC</td><td>3.250</td><td>6.625</td><td>30.08</td><td>93.52</td></tr><tr><td>90</td><td>5" D.P.</td><td>4.276</td><td>5.000</td><td>2,814.11</td><td>2,907.63</td></tr><tr><td>1</td><td>AGITATOR</td><td>2.875</td><td>6.625</td><td>11.92</td><td>2,919.55</td></tr><tr><td>1</td><td>SHOCK SUB</td><td>2.562</td><td>6.625</td><td>12.97</td><td>2,932.52</td></tr><tr><td></td><td>5" DP</td><td>4.276</td><td>5.000</td><td>11,902.51</td><td>14,835.03</td></tr><tr><td colspan="4">Total Length:</td><td>14,835.03</td><td></td></tr></table>				Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)	1	SECURITY MM65D		8.500	1.00	1.00	1	RYAN 6 5/8" 7/8 5.0 1.75 FBH MUD		6.625	25.64	26.64	1	PONY DC	3.250	6.625	10.54	37.18	1	EM TOOL	3.250	6.625	26.26	63.44	1	NMDC	3.250	6.625	30.08	93.52	90	5" D.P.	4.276	5.000	2,814.11	2,907.63	1	AGITATOR	2.875	6.625	11.92	2,919.55	1	SHOCK SUB	2.562	6.625	12.97	2,932.52		5" DP	4.276	5.000	11,902.51	14,835.03	Total Length:				14,835.03		<div>STRING LOADS</div> <div>On Btm Torque: 19,700 Off Btm Torque: 9,000 Str. Wt. Up: 270 Str. Wt. Down: 135 Str. Wt. Rot.: 170 Max Over Pull: <div>BHA PROPERTIES</div><div>BHA Hrs: 14 Jar Hrs: Cum String Hours: 26 Weight B Jars (kip):</div></div>		<div>MUD PUMPS</div> <table><tr><th></th><th>#1</th><th>#2</th><th>#3</th></tr><tr><td>Pump</td><td>DR</td><td>DR</td><td></td></tr><tr><td>Type:</td><td></td><td></td><td></td></tr><tr><td>Liner ID:</td><td>5.50</td><td>5.50</td><td></td></tr><tr><td>SPM:</td><td>85.00</td><td>85.00</td><td></td></tr><tr><td>GPM:</td><td>305.28</td><td>305.28</td><td></td></tr><tr><td>SPR:</td><td></td><td></td><td></td></tr><tr><td>1 SPM:</td><td>0.00</td><td>0.00</td><td></td></tr><tr><td>Pressure:</td><td>0.00</td><td>0.00</td><td></td></tr><tr><td>2 SPM:</td><td>0.00</td><td>0.00</td><td></td></tr><tr><td>Pressure:</td><td>0.00</td><td>0.00</td><td></td></tr><tr><td colspan="4">T GPM (gpm): 600 SPP (psi): 4,175 AV (DC): 490 AV (DP): 311</td></tr></table>			#1	#2	#3	Pump	DR	DR		Type:				Liner ID:	5.50	5.50		SPM:	85.00	85.00		GPM:	305.28	305.28		SPR:				1 SPM:	0.00	0.00		Pressure:	0.00	0.00		2 SPM:	0.00	0.00		Pressure:	0.00	0.00		T GPM (gpm): 600 SPP (psi): 4,175 AV (DC): 490 AV (DP): 311			
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<div>OPERATION DETAILS</div> <table><tr><th>FROM</th><th>TO</th><th>HRS</th><th>OP CODE</th><th>PHASE</th><th>CODE</th><th>ACTIVITY</th><th>DESCRIPTION</th></tr><tr><td>06:00</td><td>17:30</td><td>11.50</td><td>P</td><td>DRLPRD</td><td>10</td><td>DRLLAT</td><td>DRILL LATERAL F/ 11,464' - 14,032'</td></tr><tr><td>17:30</td><td>18:00</td><td>0.50</td><td>P</td><td>DRLPRD</td><td>12</td><td>RIGSVC</td><td>RIG SERVICE</td></tr><tr><td>18:00</td><td>20:30</td><td>2.50</td><td>P</td><td>DRLPRD</td><td>10</td><td>DRLLAT</td><td>DRILL LATERAL F/ 14,032' - 14,835' TD.</td></tr><tr><td>20:30</td><td>00:00</td><td>3.50</td><td>P</td><td>DRLPRD</td><td>15</td><td>CIRC</td><td>CIRCULATE HOLE CLEAN WHILE RECIPROCATING PIPE. PUMP SLUG</td></tr><tr><td>00:00</td><td>05:00</td><td>5.00</td><td>P</td><td>DRLPRD</td><td>13</td><td>TRIP</td><td>TOOH & L/D BHA. HOLE SLICK; NO TIGHT SPOTS</td></tr><tr><td>05:00</td><td>06:00</td><td>1.00</td><td>P</td><td>CASPRD1</td><td>24</td><td>RUNCAS</td><td>CLEAN RIG FLOOR AND MIRU EXPRESS CASING TOOLS</td></tr></table>								FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION	06:00	17:30	11.50	P	DRLPRD	10	DRLLAT	DRILL LATERAL F/ 11,464' - 14,032'	17:30	18:00	0.50	P	DRLPRD	12	RIGSVC	RIG SERVICE	18:00	20:30	2.50	P	DRLPRD	10	DRLLAT	DRILL LATERAL F/ 14,032' - 14,835' TD.	20:30	00:00	3.50	P	DRLPRD	15	CIRC	CIRCULATE HOLE CLEAN WHILE RECIPROCATING PIPE. PUMP SLUG	00:00	05:00	5.00	P	DRLPRD	13	TRIP	TOOH & L/D BHA. HOLE SLICK; NO TIGHT SPOTS	05:00	06:00	1.00	P	CASPRD1	24	RUNCAS	CLEAN RIG FLOOR AND MIRU EXPRESS CASING TOOLS																																																										
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Daily Operations Comments NO INCIDENTS. DRILLING AS PER PLAN # 6 85° @ 7,133'																																																																																																																									

