

Fuel







<div><div>EP ENERGY</div><div>Daily Drilling Report Onshore</div></div>		<div>Well Name/Wellbore No.: UNIVERSITY STONEGATE 3819HH/00</div> <div>Country: USA</div> <div>State/OCSG: TEXAS</div> <div>Field/Permit#: SALT DRAW</div> <div>Supervisors: JOE WILKERSON / JARED FAUST</div> <div>Engineer/Manager: MOTLEY, DEREK / MARES, SERGIO</div>	<div>Report Number: 005</div> <div>Report Date: 04/30/2017</div> <div>Spud Date: 04/26/2017</div> <div>Release Date:</div> <div>DFS: 3.32</div> <div>DOL: 4</div> <div>AFE Days: 6</div> <div>Last BOP T.: 04/26/2017</div>
**Data shared on this report is CONFIDENTIAL**			
Depth md/tvd (ft): 14,639.03/ 6,435.44		Rig: NABORS DRILLING/F-34	
Progress (ft): 3,954.01		Rig Phone: 713-997-1205	
ROP: 3,954.0 / 20.00 = 197.70		RKB (ft): 2,649.01	
Proposed TD (ft): 14,654.00		Ground Level (ft): 2,619.0	
Next Csg Point (ft): 14,654.03		POB: 22 Total Man Hours: 268.00	
Current Activity: CIRCULATE HOLE CLEAN. (PTB 91.44° INC, 178.12° AZM, 6.5' ABOVE, 32.8' LEFT) TOTAL LATERAL=7,825'			
24 Hr Summary: DRILLED LATERAL TO TD @ 14,639'. CIRCULATE HOLE CLEAN PUMPING 600 GPM, ROTATING 80 RPM, RECIPROCATING 95'.			
24 Hr Forecast: CIRC. PUMP SLUG AND TOO. L/D BHA. R/U CSG CREW AND RUN 5 1/2" PROD CSG. CIRC. CEMENT 5 1/2" PROD CSG.			
MUD PROPERTIES		MUD MATERIALS	BIT RECORD
Fluids Co.: HALLIBURTON			Bit# 3
Fluids Eng: Wesley Vaughn			S/N 7160839
Time: 0:00 Oil Cnt (%): 68		Mud Additives Used	Size (in) 8.50
Location: JCTION TANK H2O Cnt (%): 21		SUSPENTONE 12	Mfg BAKER
Pit Temp (°F): 119 Sand Cnt (%): 0.01		Factant 1	IADC Type T606X
Depth (ft): 14,107.03 MBT (lbm/bbl): 0.0		BARABLOK 25	Model #
Density (ppg): 9.30 pH: 0.0		CALCIUM CHLORIDE PO 200	Jets 6X22
FV (s/qt): 62 Pm (cc): 0.0		MUD ENGINEER 1	Depth In (ft) 6,815
PV (cp): 17 Pf (cc)/Mf (cc): 0.0 / 0.0		Adapta 1	Depth Out (ft)
YP (lb/100ft²): 16 Chloride (ppm): 0		LIME 85	Bit Rotations 55/70
Gels (l): 14/22/29 Calcium (ppm): 0.00		GELTONE 12	On Btm Hrs Cum 35.50
WL (cc/30min): 8.80 LCM (lbm/bbl): 0.0		TAX 10,288	Footage Cum (ft) 7,824
HTHP (°F): 250 ES (mV): 640.0			ROP Cum 220.4
Cake (32nd"): 2.00 LGS (%): 6.50			WOB mn/mx (kip) / 35 / 35
Solids (lbm/bbl): 87 Ex Lime (ppb): 3.1			RPM rot/bit 55 / 70
ECD (ppg): 10.4 OWR: 76.4 / 23.6			Bit HP 0.70
			HSI 0.32
			PSI Drop (psi) 54.68
			Jet Vel (ft/s) 81.07
			Imp Force 219.83
MUD LOGGING			Grading I O D L B G O R
Trip Gas (units): @ BG Gas (units):		Surf to Surf:	Bit #
Conn Gas (units): @		Lag Strokes:	Bit # 3
Form: Pore Pressure: (%)		Lag Time: (min)	
BHA # 4			
Qty	Item Description	ID (in)	OD (in)
1	HUGHES T606X		8.500
1	RYAN 1.75° 7/8 6.4 STG FBH (BTS)		6.750
1	PONY DC	3.250	6.750
1	EM TOOL	2.812	6.875
1	NMDC	2.875	6.750
90	5" D.P.	4.276	5.000
1	AGITATOR	2.437	6.625
1	SHOCK SUB	2.875	6.750
504	5" DP	4.276	5.000
Total Length:		14,639.03	
STRING LOADS			
On Btm Torque:		20,000	
Off Btm Torque:		9,000	
Str. Wt. Up:		210	
Str. Wt. Down:		130	
Str. Wt. Rot.:		170	
Max Over Pull:			
BHA PROPERTIES			
BHA Hrs:		20	
Jar Hrs:			
Cum String Hours:		36	
Weight B Jars (kip):			
MUD PUMPS			
	#1	#2	#3
Pump Type:	DR	DR	
Liner ID:	5.50	5.50	
SPM:	80.00	80.00	
GPM:	281.40	281.40	
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): 562		SPP (psi): 4,450	
AV (DC): 551		AV (DP): 276	
SURVEYS			
MD (ft)	Inclination(°)	Azimuth (°)	TVD (ft)
13,957	90.19	180.58	6,444
14,051	89.25	179.52	6,445
14,145	89.38	180.75	6,446
14,239	91.75	180.40	6,445
14,332	90.94	178.64	6,443
14,426	91.31	178.64	6,441
14,519	91.44	178.12	6,438
14,639	91.44	178.12	6,435
V Section (ft)			
7,287.41			
+E/-W (ft)			
-785.50			
+N/-S (ft)			
-7,281.97			
Dog Leg (°/100ft)			
0.46			
1.51			
1.32			
2.55			
2.08			
0.39			
0.58			
0.00			
OPERATION DETAILS			
FROM	TO	HRS	OP CODE
06:00	06:30	0.50	P
06:30	02:30	20.00	P
02:30	06:00	3.50	P
PHASE			
DRLPRD			
CODE			
12			
ACTIVITY			
RIGSVC			
DESCRIPTION			
SERVICED RIG.			
DRILL LATERAL 10.685°- 14.639'. TD. INC-91.44°, AZM-178.12°, ABOVE- 6.5', RIGHT-32.8', TVD- 6.435', SOUTH-7.963', WEST-777', VS- 7.			



