Daily Drilling Report Onshore

EP ENERGY

Data shared on this report is CONFIDENTIAL

Well Name/Wellbore No.:	UNIVERSITY EAST 4128EH/00
Country:	USA
State/OCSG	TEXAS
Field/Permit#:	WOLFCAMP EAST
Supervisors:	PANNELL, CHARLES / GARCIA, MICHA
Engineer/Manager:	MACAFEE, BRADLEY / MARES, SERGI

Report Number:	009	API #:	4210542411
Report Date:	08/31/2017		
Spud Date:	08/26/2017		
Release Date:			
DFS: 4.31	DOL: 8		AFE Days: 6
Last BOP T.:	08/26/2017		

Depth md/tvd (ft):	14,118.03 / 6,292.01
Progress:	
ROP:	/ = 0.00
Proposed TD (ft):	14,120.50
Next Csg Point (ft):	14,104.03

Rig:	NABORS DRILLING/F-34
Rig Phone:	713-997-1205
RKB (ft):	2,660.01
Ground Level (ft):	2,630.0
POB:	22
Total Man Hours:	259.00

Current Activity:	WASH THRU LINES AND BOPS, PREP TO SET SLIPS
24 Hr Summary:	FINISH POOH & LD BHA. RUN PRODUCTION CSG. CEMENT CSG. NIPPLE DOWN AND SET SLIPS
24 Hr Forecast:	SKID RIG. NIPPLE UP AND TEST BOPS. PICK UP BHA. TRIP IN. DRILL OUT.

MUD PROPERTIES

Fluids Co.:	HALLIBURTON
Fluids Eng:	Michael Burkett

Time:	7:30	Oil Cnt (%):	69
Location:	JCTION TANK	H2O Cnt (%):	19
Pit Temp (°F	112	Sand Cnt (%):	0.01
Depth (ft):	14,118.03	MBT (lbm/bbl):	0.0
Density (ppg):	9.30	pH:	0.0
FV (s/qt):	56	Pm (cc):	0.0
PV (cp):	14	Pf (cc):/Mf (cc):	0.0 / 0.0
YP (lbf/100ft²):	14	Chloride (ppm):	0
Gels ():	12/15/18	Calcium (ppm):	0.00
WL (cc/30min):	6.00	LCM (lbm/bbl):	0.0
HTHP (°F):	250	ES (mV):	542.0
Cake (32nd"):	2.00	LGS (%):	8.60
Solids (lbm/bbl):	78	Ex Lime (ppb):	3.8
ECD (ppg):	9.3	OWR:	78.4 / 21.6

MUD MATERIALS

Mud Additives	Used
BARITE 41	132
TRANSPORTATION	436
FUEL SURCHARGE	300
CALCIUM CHLORIDE PO	100
TAX	5,052
LIME	25
MUD ENGINEER	1
SHRINK WRAP	15

MUD LOGGING

Trip Gas (units):	@	BG Gas (units):	Surf to Surf:
Conn Gas (units)	@		Lag Strokes:
Form:		Pore Pressure: (%)	Lag Time: (min)

BIT RECORD

Bit#		
S/N		
Size (in)		
Mfg		
IADC Type		
Model #		
Jets		7X20
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		

Grading	I	O	D	L	B	G	O	R
Bit #								
Bit #								

CASING

Size(in)	MD(ft)/TVD(ft)		FIT/LOT(ppg)
16.00	70.00 /	70.00	
9.63	995.00 /	995.00	
5.50	14,104.03 /	6,298.01	

INVENTORY

Item	Inv
OBM DIESEL	9,361

SOLIDS CONTROL

Skr	Deck 1 Screens	Deck 2 Screens
1	140/140/140/140	
2	140/140/140/140	
3	140/140/140/140	

BHA # 3

Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)
1	HUGHES T606X		8.500	1.00	1.00
1	RYAN 1.75° 7/8 6.4 STG FBH (BTS		6.750	29.78	30.78
1	PONY DC	3.250	6.625	10.49	41.27
1	EM TOOL	2.875	6.625	26.23	67.50
1	NMDC	2.875	6.625	28.30	95.80
90	5" D.P.	4.276	5.000	2,817.79	2,913.59
1	AGITATOR	2.500	6.625	13.46	2,927.05
1	SHOCK SUB	2.500	6.625	11.45	2,938.50
	5" DP	4.276	5.000	11,179.53	14,118.03
				Total Length:	14,118.03

STRING LOADS

On Btm Torque:	
Off Btm Torque:	
Str. Wt. Up:	
Str. Wt. Down:	
Str. Wt. Rot.:	
Max Over Pull:	

BHA PROPERTIES

BHA Hrs:	
Jar Hrs:	
Cum String Hours:	
Weight B Jars (kip):	

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):	490	AV (DP):	269

SURVEYS

MD (ft)	Inclination(°)	Azimuth (°)	TVD (ft)	V Section (ft)	+E/-W (ft)	+N/-S (ft)	Dog Leg (°/100ft)
13,319	87.00	0.32	6,278	7,104.56	878.93	7,104.56	0.73
13,413	87.19	359.97	6,283	7,198.44	879.17	7,198.44	0.42
13,507	90.06	2.08	6,285	7,292.38	880.85	7,292.38	3.79
13,601	91.06	2.43	6,284	7,386.30	884.55	7,386.30	1.13
13,695	86.88	1.73	6,286	7,480.21	887.96	7,480.21	4.51
13,789	86.88	1.03	6,291	7,574.04	890.22	7,574.04	0.74
13,883	87.88	359.80	6,295	7,667.94	890.90	7,667.94	1.69
13,977	91.56	358.04	6,296	7,761.90	889.13	7,761.90	4.34

OPERATION DETAILS

FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION
06:00	11:00	5.00	P	DRLPRD	13	TRIP	FINISH POOH & L/D BHA. BIT GRADED 1,1 IN GAUGE
11:00	11:30	0.50	P	DRLPRD	12	RIGSVC	RIG SERVICE & REPAIR HYDRAULIC HOSE ON LINK TILT
11:30	12:30	1.00	P	CASPRD1	24	RUNCAS	S/M. MIRU EXPRESS CASING TOOLS & TORQUE TURN. MAKE UP 5 1/2" SHOE TRACK AND ENSURE CIRCULATION.
12:30	23:30	11.00	P	CASPRD1	24	RUNCAS	RUN TOTAL OF 347 JTS (INCLUDING MARKER JTS.) 5 1/2" 17# HCP-110 LTC CASING. TAG BOTTOM @ 14,118', L/D 1 JOINT 5 1/2" CASING AND SPACE OUT WITH 20' & 6' LANDING JOINTS. PIPE SET @ 14,104'. -- FLT.COLLAR @ 14,061.91', LANDING COLLAR @ 14,055.27' TOE SLEEVE @ 14,013.42', MARKER JOINTS @ 13,887.54', 11,564.47', 9,008.67', 6,501.39' & 5,813.23'. NCS COLLAR @ 6,339.51'. RAN 68 S.V. CENTRALIZERS.
23:30	02:00	2.50	P	CASPRD1	15	CIRC	INSTALL COMPASS CEMENT HEAD AND CIRCULATE W/ RIG PUMP.; PRESSURE UP AND RUPTURE NCS FLOTATION COLLAR @ 1830 PSI. CONTINUE CIRCULATING SURFACE TO SURFACE VOLUME.
02:00	05:00	3.00	P	CASPRD1	25	PRIMCEM	CEMENT PRODUCTION CASING @ 14104' : PUMP 40 BBLS OF 10PPG SPACER , 585 SKS OF LEAD CMT 11.5 PPG 2.79 YIELD, AND 290 BBLS OF SLURRY. TAIL END WITH 1460 SKS OF TAIL CMT @ 14.2 PPG WITH YIELD 1.32 343 BBLS OF SLURRY - DISPLACE PLUG WITH 326 BBLS OF CLAY TREAT WATER. BUMP PLUG WITH 2800 PSI(700PSI OVER) RELEASE PSI. BLED 3.5BBLS, FLOATS HELD. PLUG DOWN 0427HRS 8/31/2017 CIRCULATED 3BBLS OF CMT BACK TO SURFACE. RIG DOWN AND RELEASE COMPASS
05:00	06:00	1.00	P	CASPRD1	29	NDBOPE	FLUSH THRU LINES AND BOPS. PREP BOPS FOR NIPPLE DOWN.

Daily Operations Comments

UTILIZING DIRECTIONAL PLAN #2. KOP 5,847', 85°@ 6,502'.

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