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:	JOE WILKERSON / JARED FAUST
Engineer/Manager:	MACAFEE, BRADLEY / MARES, SERGI

Report Number:	005	API #:	4210542411
Report Date:	08/27/2017		
Spud Date:	08/26/2017		
Release Date:			
DFS: 0.31	DOL: 4	AFE Days: 6	
Last BOP T.:	08/26/2017		

Depth md/tvd (ft):	3,318.01 / 3,269.09
Progress (ft):	2,323.00
ROP:	2,323.0 / 7.50 = 309.73
Proposed TD (ft):	14,120.50
Next Csg Point (ft):	14,120.03

Rig:	NABORS DRILLING/F-34
Rig Phone:	713-997-1205
RKB (ft):	2,660.01
Ground Level (ft):	2,630.0
POB:	41
Total Man Hours:	451.00

Current Activity: DRILLING SIDEBUILD @ 3,318' (PTB INC-14°, AZ-98°, AHEAD-3', RIGHT-21')

24 Hr Summary: COMPLETE RIG INSPECTION LIST. N/U & TEST BOP. P/U BHA. TIH P/U DP. DRILL FLOAT EQUIPMENT. DRILL SIDEBUILD.

24 Hr Forecast: DRILL SIDEBUILD TO KOP. CBU. TOOH & P/U CURVE BHA. TIH & BUILD CURVE.

MUD PROPERTIES

Fluids Co.: HALLIBURTON
Fluids Eng: Wesley Vaughn

Time:	7:30	Oil Cnt (%):	71
Location:	JCTION TANK	H2O Cnt (%):	20
Pit Temp (°F	105	Sand Cnt (%):	0.01
Depth (ft):	1,514.00	MBT (lbm/bbl):	0.0
Density (ppg):	8.80	pH:	0.0
FV (s/qt):	60	Pm (cc):	0.0
PV (cp):	14	Pf (cc):/Mf (cc):	0.0 / 0.0
YP (lbf/100ft²):	12	Chloride (ppm):	0
Gels ():	9/11/13	Calcium (ppm):	0.00
WL (cc/30min):	5.40	LCM (lbm/bbl):	0.0
HTHP (°F):	250	ES (mV):	621.0
Cake (32nd"):	2.00	LGS (%):	6.00
Solids (lbm/bbl):	62	Ex Lime (ppb):	2.2
ECD (ppg):	9.1	OWR:	78.0 / 22.0

MUD MATERIALS

Mud Additives	Used
OIL ABSORBANT	20
FORKLIFT W/OPERATOR	1
SHRINK WRAP	13
EZ MUL	2
PALLETS	10
INVERMUL	3
Factant	1
CALCIUM CHLORIDE PO	50
DRIL-TREAT	14
FUEL SURCHARGE	300
MUD ENGINEER	2
TRANSPORTATION	389
LIME	50
SWAMPER HOURS	20
more...	

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#		1
S/N		12871262
Size (in)		8.75
Mfg		HALLIBURTON
IADC Type		
Model #		MM56D
Jets		5X16
Depth In (ft)		995
Depth Out (ft)		
Bit Rotations		40/55
On Btm Hrs Cum		7.50
Footage Cum (ft)		2,323
ROP Cum		309.7
WOB mn/mx (kip)	/	30 / 30
RPM rot/bit	/	40 / 55
Bit HP		1.71
HSI		1.74
PSI Drop (psi)		300.67
Jet Vel (ft/s)		195.42
Imp Force		532.75

Grading	I	O	D	L	B	G	O	R
Bit #								
Bit # 1								

CASING

Size(in)	MD(ft)/TVD(ft)		FIT/LOT(ppg)
16.00	70.00 /	70.00	
9.63	995.00 /	995.00	
5.50	14,120.03 /	6,323.01	

INVENTORY

Item	Inv
OBM DIESEL	6,786
DIESEL	17,297

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 # 1

Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)
1	MM56D		8.750	1.00	1.00
1	RENAGADE 6-3/4" 7/8 5.0 1.75 FBH		6.750	25.22	26.22
1	PONY DC	3.250	6.625	10.49	36.71
1	EM TOOL	2.875	6.625	26.23	62.94
1	NMDC	2.875	6.625	28.30	91.24
1	CROSSOVER	2.875	6.375	2.60	93.84
3	3 DRILL COLLARS	2.875	6.437	91.66	185.50
1	CROSSOVER	2.250	6.500	3.00	188.50
	5" DP	4.276	5.000	3,129.51	3,318.01
				Total Length:	3,318.01

STRING LOADS

On Btm Torque:	9,500
Off Btm Torque:	2,500
Str. Wt. Up:	125
Str. Wt. Down:	110
Str. Wt. Rot.:	115
Max Over Pull:	

BHA PROPERTIES

BHA Hrs:	8
Jar Hrs:	
Cum String Hours:	8
Weight B Jars (kip):	

MUD PUMPS

	#1	#2	#3
Pump Type:	DR	DR	
Liner ID:	5.50	5.50	
SPM:	85.00	85.00	
GPM:	298.98	298.98	
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): 598 SPP (psi): 2,300

AV (DC): 428 AV (DP): 269

SURVEYS

MD (ft)	Inclination(°)	Azimuth (°)	TVD (ft)	V Section (ft)	+E/-W (ft)	+N/-S (ft)	Dog Leg (°/100ft)
1,736	11.31	113.53	1,732	-13.74	51.65	-13.74	1.96
1,924	13.50	108.78	1,916	-28.17	89.33	-28.17	1.28
2,112	14.69	97.71	2,098	-38.44	133.74	-38.44	1.56
2,300	12.81	94.19	2,281	-43.16	178.15	-43.16	1.09
2,488	14.44	89.62	2,463	-44.52	222.38	-44.52	1.04
2,675	13.06	97.36	2,645	-47.08	266.66	-47.08	1.23
2,863	14.38	103.68	2,828	-55.32	310.41	-55.32	1.06
3,051	14.00	104.21	3,010	-66.42	355.14	-66.42	0.21

OPERATION DETAILS

FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION
06:00	06:30	0.50	P	MIRU	01	MIRU	FINISHED RIG INSPECTION. RIG ON OPERATING RATE @ 6:30 HRS 8-26-2017.
06:30	11:00	4.50	P	CASSURF	28	NUBOPE	NU & FUNCTION TEST BOP. CHANGED OUT ANNULAR.
11:00	16:00	5.00	P	CASSURF	30	TSTWCEQ	TEST BOPE 250 PSI LOW, 5,000 PSI HIGH, 5 MIN EACH WITH H2O, TEST ANNULAR 250 PSI LOW, 3,500 PSI HIGH.
16:00	16:30	0.50	P	CASSURF	31	TESTCAS	TEST CASING TO 1,400 PSI. HELD FOR 30 MIN.
16:30	17:30	1.00	P	CASSURF	28	NUBOPE	NU BELL NIPPLE & FLOW LINE. INSTALL TURNBUCKLES & CENTER BOP WITH ROTARY.
17:30	19:00	1.50	P	CASSURF	14	PULDSTR	P/U SIDE BUILD BHA (8 3/4" SECURITY MM56D , RENAGADE 1.75° 7/8 6.4, PONY, EM TOOL, NMDC 1-STAND 6 1/2" DC).
19:00	21:00	2.00	P	CASSURF	14	PULDSTR	TIH PU 5" DP TO 901'.
21:00	22:30	1.50	P	CASSURF	15	CIRC	DISPLACED SURFACE CSG W/ OBM & WASHED TO CMT @ 930'. DRILLED CMT & FE 930'-995'.
22:30	06:00	7.50	P	DRLPRD	08	DRLDIR	DRILLED SIDE BUILD 995' - 3,318'. (SPUD WELL @ 22:30 HRS ON 8/26/17)

Daily Operations Comments

UTILIZING DIRECTIONAL PLAN #2. (SPUD WELL @ 22:30 HRS ON 8/26/17)

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