









<div> <div> <div>EP ENERGY</div> <div> Daily Drilling Report Onshore </div> </div> </div>		<div> <div>Well Name/Wellbore No.:</div> <div>UNIVERSITY CENTRAL 0802DH/00</div> </div>				<div> <div>Report Number:</div> <div>013</div> <div>API #:</div> <div>4238339943</div> </div>										
		<div> <div>Country:</div> <div>USA</div> <div>State/OCSG</div> <div>TEXAS</div> <div>Field/Permit#:</div> <div>WOLFCAMP CENTRAL</div> <div>Supervisors:</div> <div>WESTON WHITE / PAUL MIZELL</div> <div>Engineer/Manager:</div> <div>MACAFEE, BRADLEY / MARES, SERGI</div> </div>				<div> <div>Report Date:</div> <div>08/19/2017</div> <div>Spud Date:</div> <div>08/11/2017</div> <div>Release Date:</div> <div></div> <div>DFS: 7.52</div> <div>DOL: 12</div> <div>AFE Days: 6</div> <div>Last BOP T.:</div> <div>08/10/2017</div> </div>										
**Data shared on this report is CONFIDENTIAL**																
<div> <div>Depth md/tvd (ft):</div> <div>18,074.04 / 7,895.82</div> </div>			<div> <div>Rig:</div> <div>NABORS DRILLING/888</div> </div>													
<div> <div>Progress:</div> <div></div> </div>			<div> <div>Rig Phone:</div> <div>713-997-1160</div> </div>													
<div> <div>ROP:</div> <div>/ = 0.00</div> </div>			<div> <div>RKB (ft):</div> <div>2,935.01</div> </div>													
<div> <div>Proposed TD (ft):</div> <div>18,454.70</div> </div>			<div> <div>Ground Level (ft):</div> <div>2,905.0</div> </div>													
<div> <div>Next Csg Point:</div> <div>18,454.04</div> </div>			<div> <div>POB:</div> <div>78</div> </div>			<div> <div>Total Man Hours:</div> <div>307.00</div> </div>										
<div> <div>Current Activity:</div> <div>RDMO.</div> </div>																
<div> <div>24 Hr Summary:</div> <div>REMOVE AND CLEAR BLOCKAGE FROM FLOW LINE MANIFOLD. CEMENT 5.5" PRODUCTION CASING. ND STACK. SET SLIPS. INSTALL TA CAP. RELEASE RIG.</div> </div>																
<div> <div>24 Hr Forecast:</div> <div>WALK RIG TO UC 802 BH.</div> </div>																
MUD PROPERTIES			MUD MATERIALS			BIT RECORD			CASING							
<div> <div>Fluids Co.:</div> <div>HALLIBURTON</div> </div>									<div> <div>Size(in)</div> <div>MD(ft)/TVD(ft)</div> <div>FIT/LOT(ppg)</div> </div>							
<div> <div>Fluids Eng:</div> <div>CHARLES J KIRK</div> </div>									<div> <div>16.00</div> <div>67.00 /</div> <div>67.00</div> </div>							
<div> <div>Time:</div> <div>22:00</div> </div>			<div> <div>Oil Cnt (%):</div> <div>68</div> </div>						<div> <div>9.63</div> <div>1,077.00 /</div> <div>1,077.00</div> </div>							
<div> <div>Location:</div> <div>JCTION TANK</div> </div>			<div> <div>H2O Cnt (%):</div> <div>22</div> </div>						<div> <div>5.50</div> <div>18,454.04 /</div> <div>7,940.02</div> </div>							
<div> <div>Pit Temp ("F):</div> <div>110</div> </div>			<div> <div>Sand Cnt (%):</div> <div>0.01</div> </div>													
<div> <div>Depth (ft):</div> <div>18,074.04</div> </div>			<div> <div>MBT:</div> <div></div> </div>													
<div> <div>Density (ppg):</div> <div>8.80</div> </div>			<div> <div>pH:</div> <div></div> </div>													
<div> <div>FV (s/qt):</div> <div>64</div> </div>			<div> <div>Pm:</div> <div></div> </div>													
<div> <div>PV (cp):</div> <div>14</div> </div>			<div> <div>Pt/Mf:</div> <div>/</div> </div>													
<div> <div>YP (lbf/100ft²):</div> <div>14</div> </div>			<div> <div>Chloride:</div> <div></div> </div>													
<div> <div>Gels (l):</div> <div>12/15/16</div> </div>			<div> </div>													



[illegible]



## DAILY DRILLING REPORT

General Information									
LEASE UNIVERSITY CENTRAL		WELL NUMBER 0802DH		API WELL NUMBER 42-383-399943		DATE 7/17/2017			
COUNTY, STATE REAGAN		LOCATION 10.44 MLES W DIRECTION FROM BIG LAKE				TRRC PERMIT NUMBER 828607			
OPERATOR EP ENERGY				CONTRACTOR Integrity Services, LLC					
OPERATOR REPRESENTATIVE DERIC MOTLEY				CONTRACTOR REPRESENTATIVE JORDAN CLICK					
Texas Railroad Commission						Depth			
TRRC JOB NUMBER DISPATCH		TRRC CONTACT NAME WHITITNEY				PROPOSED MEASURED DEPTH (MD) 1049			
TRRC CONTACT DATE 7/16/2017		TRRC CONTACT TIME 21:30							
Casing						Survey Information			
	OD	ID	WEIGHT	GRADE	CONNECTION	MD	TVD	ANGLE	
Conductor	16"								
Surface	9 5/8	8.835	36/40#	I-55	LTC				
Drill Pipe									
	OD	ID	WEIGHT	GRADE	CONNECTION				
	4 1/2	2 1/8	16.6		2 7/8" IF		-		
BHA									
	OD	ID	LENGTH	WEIGHT	CONNECTION				
Bit	12.25"	N/A	0.38		DTH SPLINE		-		
DTH	10.625"	2.50"	6.55		6 5/8" REG		-		
BIT SUB	6.625"	3.50"	3.15		4" FH x 6 5/8" reg		-		
SPIRAL	8"	3.50"	31 1/3		4" FH		-		
SLIP SUB	5.5"	2.8125"	1		4" FH		-		
3 EA. D/C's	5.5"	2.8125"	90		4" FH		-		
X.O. SUB	5.5"	2.25"	1.28		4" FH x 2 7/8" IF		-		
Daily Activities									
FROM	TO	ELAPSED TIME	REMARKS						
6:00	6:00	-	TOUR CHANGE / SAFETY MEETING						
6:00	11:00	5.00	DRLG F/ 399' - 1056' RKB TO WELL						
11:00	11:30	0.50	CRCLULATE / PUMP SWEEP						
11:30	12:00	0.50	TOH F/ 1056' - 969'						
12:00	12:30	0.50	PUMP 300 BBL OF DRLG MUD						
12:30	13:00	0.50	TOH F/ 969' - 879' PULL TIGHT						
13:00	13:30	0.50	TIH F/ 879' - 1056' W/ HEAVEY MUD						
13:30	14:30	1.00	TOH F/ 1056' - 99'						
14:30	15:30	1.00	L/D BHA F/ 99' - BIT						
15:30	17:00	1.50	R/U FOR CSNG						
17:00	18:00	1.00	RUN 17 JTS OF 9 5/8 CSNG						
18:00	18:00	-	TOUR CHANGE / SAFETY MEETING						
18:00	18:30	0.50	RUN 6 JTS OF 9 5/8 CSNG						
18:30	19:00	0.50	WASHDOWN 2 JTS LANDING @ 1049.7' GL						
19:00	19:30	0.50	R/U CEMENTERS						
19:30	21:00	1.50	CEMENT WELL W/ COMPASS - 126 BBLs LEAD - 37 BBLs TAIL - NO RETURNS						
21:00	3:00	6.00	W/O VES FOR TEMP SURVEY						
3:00	4:00	1.00	R/U VES / RUN TEMP SURVEY - CEMENT @ 20' GL						
4:00	5:30	1.50	PUMP TOPOUT CEMENT						
5:30	6:00	0.50	LOWER RIG / CUT CSNG @ GROUND LEVEL						
			RELEASE RIG @ 6:00 ON 7/18/2017						
TOTAL HOURS			24.00						
Crew									
TITLE		NAME		HOURS	NAME				
RIG MANAGER		JESSE CANTU		24	JESSE CANTU				
DRILLER		MYRON		12	TERRY				
PIT HAND		MICHAEL		12	JERRY				
MOTORS		DEREK		12	MATT				
FLOOR HAND									
Bit Information									
BIT NO	SIZE	MAKE	TYPE	FOOTAGE	HOURS	ROP	WOB	RPM	
1 NEW	12 1/4	NUMA	DHT	1016	9	112.88	2 - 3000 LBS	35 - 40	
BIT SERIAL #	191246								
217490									
Mist Drilling Information									
COMBO	PUMP #1	COMBO	DECK AIR	COMPRESSOR #1	COMPRESSOR #2	COMPRESSOR #3	COMPRESSOR #4	BOOSTER	
Type	BEAN	MAKE	ATLAS COPCO	SULLAIR	SULLAIR	SULLAIR	SULLAIR	Hurricane	
Gal/Min	40	CFM	1250	900	900	900	900		
		PSI	350	350	350	350	350	2000	
Drilling Fluid & Chemicals									
TYPE				AMOUNT		TYPE		AMOUNT	
WEATHERFORD FMA 100				2GAL/HR					
Fuel									
FUEL TYPE	VENDOR		BEG QTY	RECEIVED QTY	TOTAL QTY	QTY USED	QTY REMAINING		
Diesel	INDUSTRIAL OILS		3,500	0	3,500	1,243	2,257		
SAFETY MEETING / JOB SAFETY ANALYSIS									
DAYLIGHT TOUR				MORNING TOUR					
TOPIC	DRLG			CEMENT					
JSA	FORKLIFT OPS			PRESSURES					
STOP CARDS	0			0					
NEAR MISSES	0			0					

EP ENERGY						Daily Drilling Report Onshore																									
**Data shared on this report is CONFIDENTIAL**																															
Depth md/tvd (ft):           1,083.00 / 1,083.00						Rig:   NABORS DRILLING/888																									
Progress:						Rig Phone:   713-997-1160																									
ROP:                 / = 0.00						RKB (ft):              2,935.01																									
Proposed TD (ft):   18,454.70						Ground Level (ft):   2,905.0																									
Next Csg Point (ft):   1,077.00						POB:          60   Total Man Hours:         724.00																									
Current Activity:   MIRU. 15% MOVED IN, 0% R/U																															
24 Hr Summary:   RDMO ON OLD LOCATION. MIRU RIG ON NEW LOCATION WITH DEEPWELL. 15% MI. 0% RU.																															
24 Hr Forecast:   MIRU																															
MUD PROPERTIES						MUD MATERIALS				BIT RECORD						CASING															
Fluids Co.: Fluids Eng:										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						Size(in)                 MD(ft)/TVD(ft)                 FIT/LOT(ppg) 16.00                   67.00 /                   67.00 9.63                    1,077.00 /                 1,077.00															
Time: Location: Pit Temp: Depth: Density: FV: PV: YP: Gels: WL: HTHP: Cake: Solids: ECD:						OilCnt: H2O Cnt: Sand Cnt: MBT: pH: Pm: Pf/Mf: Chloride: // Calcium: LCM: ES (mV): LGS: Ex Lime (ppb): OWR:										INVENTORY															
						Mud Additives   Used										Item                                   Inv MUD DIESEL                         0 RIG FUEL                             1,530															
SOLIDS CONTROL																															
Skr   Deck 1 Screens               Deck 2 Screens 1     100/100/100/100 2     100/100/100/100 3     100/100/100/100																															
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 #																	
														MUD PUMPS																	
														#1	#2	#3															
Pump Type:																															
Liner ID:																															
SPM:																															
GPM:																															
SPR:																															
1 SPM:																															
Pressure:																															
2 SPM:																															
Pressure:																															
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)			
OPERATION DETAILS																															
FROM				TO				HRS				OP CODE				PHASE				CODE				ACTIVITY				DESCRIPTION			
06:00				06:00				24.00				P				MIRU				01				MIRU				RDMO ON OLD LOCATION. MIRU RIG ON NEW LOCATION WITH DEEPWELL. 15% MI. 0% RU. PRESSURE WASHING LOAD OUTS. TOTAL 24 LOADS TUBULARS AND MISC EQUIPMENT MOVED TO NEW LOCATION. MOVED OBM AND FRAC TANKS.			
Daily Operations Comments																															



EP ENERGY

Daily Drilling  
Report Onshore

Well Name/Wellbore No.:  
UNIVERSITY CENTRAL 0802DH/00

Country: USA

State/OCSG: TEXAS

Field/Permit#: WOLFCAMP CENTRAL

Supervisors: DANNY RICHMOND / ROBERT HARPE

Engineer/Manager: MACAFEE, BRADLEY / MARES, SERGI

Report Number: 003

Report Date: 08/09/2017

Spud Date:

Release Date:

DFS: 0.00

Last BOP T.:

API #: 4238339943

DOL: 2

AFE Days: 6

\*\*Data shared on this report is CONFIDENTIAL\*\*

Depth md/tvd (ft): 1,083.00 / 1,083.00

Progress:

ROP: / = 0.00

Proposed TD (ft): 18,454.70

Next Csg Point (ft): 1,077.00

Rig: NABORS DRILLING/888

Rig Phone: 713-997-1160

RKB (ft): 2,935.01

Ground Level (ft): 2,905.0

POB: 57

Total Man Hours: 718.00

Current Activity: MIRU. 85% MOVED IN, 30% R/U

24 Hr Summary: MIRU RIG ON NEW LOCATION WITH DEEPWELL. 85% MI. 30% RU.

24 Hr Forecast: MIRU

MUD PROPERTIES

Fluids Co.:  
Fluids Eng:

Time:  
Location:  
Pit Temp:  
Depth:  
Density:  
FV:  
PV:  
YP:  
Gels:  
WL:  
HTHP:  
Cake:  
Solids:  
ECD:

Oil Cnt:  
H2O Cnt:  
Sand Cnt:  
MBT:  
pH:  
Pm:  
P#Mf:  
Chloride:  
Calcium:  
LCM:  
ES (mV):  
LGS:  
Ex Lime (ppb):  
OWR:

MUD MATERIALS

Mud Additives  
Used

MUD LOGGING

Trip Gas (units):  
Conn Gas (units)  
Form:

@  
@

BG Gas (units):  
Pore Pressure:

Surf to Surf:  
Lag Strokes:  
Lag Time:

(min)

BIT RECORD

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

Grading

Bit #  
Bit #

I O D L B G O R

CASING

Size(in)  
16.00  
9.63

MD(ft)/TVD(ft)  
67.00 /  
1,077.00 /

FIT/LOT(ppg)  
67.00  
1,077.00

INVENTORY

Item  
RIG FUEL

Inv  
1,030

SOLIDS CONTROL

Skr  
1  
2  
3

Deck 1 Screens  
100/100/100/100  
100/100/100/100  
100/100/100/100

Deck 2 Screens

MUD PUMPS

#1  
#2  
#3

Pump Type:  
  
Liner ID:  
SPM:  
GPM:  
SPR:  
1 SPM:  
Pressure:  
2 SPM:  
Pressure:

T GPM (gpm):  
AV (DC):

SPP (psi):  
AV (DP):

SURVEYS

MD (ft)  
Inclination(°)  
Azimuth (°)  
TVD (ft)  
V Section (ft)  
+E/-W (ft)  
+N/-S (ft)  
Dog Leg (°/100ft)

OPERATION DETAILS

FROM  
06:00

TO  
06:00

HRS  
24.00

OP CODE  
P

PHASE  
MIRU

CODE  
01

ACTIVITY  
MIRU

DESCRIPTION  
MIRU RIG ON NEW LOCATION WITH DEEPWELL. 85% MI. 25% RU.MOVED AND SET UP CAMP TRAILERS. SET UP BACKYARD, GEN PACKAGES ,SUBS,CENTER STEEL, AND FUEL TANKS. 49 LOADS MOVED TODAY, 73 TOTAL FOR LAST 2 DAYS.

Daily Operations Comments





EP ENERGY

Daily Drilling  
Report Onshore

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Well Name/Wellbore No.:  
UNIVERSITY CENTRAL 0802DH/00

Country:  
TEXAS

State/OCSG  
WOLFCAMP CENTRAL

Field/Permit#:  
DANNY RICHMOND / ROBERT HARPE

Supervisors:  
Engineer/Manager:

USA

TEXAS

WOLFCAMP CENTRAL

DANNY RICHMOND / ROBERT HARPE

MACAFEE, BRADLEY / MARES, SERGI

Report Number: 006

API #: 4238339943

Report Date: 08/12/2017

Spud Date: 08/11/2017

Release Date:

DFS: 0.52

DOL: 5

AFE Days: 6

Last BOP T.: 08/10/2017

Depth md/tvd (ft): 4,543.01 / 4,463.36

Progress (ft): 3,460.01

ROP: 3,460.0 / 12.50 = 276.80

Proposed TD (ft): 18,454.70

Next Csg Point (ft): 18,454.04

Rig: NABORS DRILLING/888

Rig Phone: 713-997-1160

RKB (ft): 2,935.01

Ground Level (ft): 2,905.0

POB: 24

Total Man Hours: 298.00

Current Activity: DRILLING VERTICAL @ 4,543'. PTB: INC- 8.0° AZ- 260.0° AHEAD- 135.0' RIGHT- 30.0'

24 Hr Summary: TEST BOPS, P/U BHA & DP TO SHOE @ 1,032'. DISPLACE W/ OBM. DRILL SHOE TRACK. DRILL VERTICAL SECTION @ 4,543'.

24 Hr Forecast: DRILL VERTICAL TO KOP. POOH L/D TANGENT ASSEMBLY P/U CURVE ASSEMBLY. TIH. DRILL CURVE.

MUD PROPERTIES

Fluids Co.: HALLIBURTON

Fluids Eng: DANIEL A. MARTINEZ

Time: 6:01

Location: IN

Pit Temp (°F): 110

Depth (ft): 2,882.01

Density (ppg): 8.80

FV (s/qt): 56

PV (cp): 15

YP (lb/100ft²): 12

Gels (:): 79/111

WL: 6.00

HTHP (°F): 250

Cake: 2.00

Solids: (ppg)

ECD (ppg): 9.2

MUD MATERIALS

Oil Cnt (%): 69

H2O Cnt (%): 23

Sand Cnt (%): 0.01

pH: MBT:

Pm: 689.0

Pf/Mf: 6.00

Chloride: 4.5

Calcium: 75.3 / 24.7

ES (mV):

LGS (%):

Ex Lime (ppb):

OWR: 75.3 / 24.7

MUD LOGGING

Trip Gas (units): @

BG Gas (units): @

Conn Gas (units): @

Surf to Surf: Lag Strokes: (min)

Form: Pore Pressure: (%) Lag Time: (min)

BIT RECORD

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 Grading Bit #

1 12865534 8.75 HALLIBURTON MM56D 5X16 1,083 70/237 12.50 3,460 276.8 30 / 30 70 / 237 1.71 1.74 300.67 195.42 532.75 I O D L B G O R 1

CASING

Size(in) MD(ft)/TVD(ft) FIT/LOT(ppg)

16.00 67.00 / 67.00

9.63 1,077.00 / 1,077.00

5.50 18,454.04 / 7,940.02

INVENTORY

Item Inv

MUD DIESEL 4,934

RIG FUEL 14,282

SOLIDS CONTROL

Skr Deck 1 Screens Deck 2 Screens

1 100/100/100/100

2 100/100/100/100

3 100/100/100/100

BHA # 1

Qty Item Description ID (in) OD (in) Len (ft) Cum (ft)

1 HALLIBURTON MM56D [5x16's] 2.812 6.750 1.00 1.00

1 RYAN 6-3/4" 7/8 5.0 1.75 FBH MUD 2.812 6.812 26.15 27.15

1 PONY DC 2.812 6.750 10.90 38.05

1 EM TOOL 2.812 6.812 27.13 65.18

1 NMDC 3.250 6.812 26.93 92.11

1 CROSSOVER 2.875 6.750 2.94 95.05

3 3 DRILL COLLARS 2.875 6.500 90.97 186.02

1 CROSSOVER 2.750 6.500 3.10 189.12

135 5" DP 4.276 5.000 4,353.89 4,543.01

Total Length: 4,543.01

STRING LOADS

On Btm Torque: 10,000

Off Btm Torque: 5,000

Str. Wt. Up: 140

Str. Wt. Down: 130

Str. Wt. Rot.: 135

Max Over Pull: 5

BHA PROPERTIES

BHA Hrs: 13

Jar Hrs: 13

Cum String Hours: 13

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): 299 SPP (psi): 2,550

AV (DC): 361 AV (DP): 269

SURVEYS

MD (ft) Inclination(°) Azimuth (°) TVD (ft) V Section (ft) +E/-W (ft) +N/-S (ft) Dog Leg (°/100ft)

2,882 13.00 263.94 2,847 6.46 -334.59 10.38 0.92

3,071 11.75 264.30 3,031 1.83 -374.88 6.22 0.66

3,261 13.75 265.70 3,217 -2.27 -416.66 2.61 1.07

3,451 13.38 267.11 3,401 -5.60 -461.13 -0.20 0.26

3,640 13.69 269.74 3,585 -7.32 -505.33 -1.40 0.36

3,830 13.44 267.81 3,770 -8.79 -549.88 -2.35 0.27

4,019 12.88 266.76 3,954 -11.32 -592.86 -4.38 0.32

4,209 13.63 266.76 4,139 -14.29 -636.36 -6.84 0.39

OPERATION DETAILS

FROM TO HRS OP CODE PHASE CODE ACTIVITY DESCRIPTION

06:00 06:30 0.50 P CASSURF 31 TESTCAS TEST CASING TO 1,500 PSI FOR 30 MINUTES ON CHART WHILE WAITING ON VBR'S.

06:30 09:00 2.50 N CASSURF 48 RPRBOPE WAITING ON VBR'S. CENTERED BOPS. REPAIRED LEAK ON FLOWLINE.

09:00 11:00 2.00 P CASSURF 30 TSTWCEQ INSTALLED VBR'S IN BOTTOM RAM CAVITY. TEST RAMS TO 250 LOW 5000 PSI HIGH. R/D TEST TOOLS.

11:00 11:30 0.50 P CASSURF 42 OTHER INSTALLED MOUSEHOLE AND P/U TOOLS ON RIG FLOOR.

11:30 13:00 1.50 P CASSURF 14 PULDSTR P/U SIDEBUILD BHA (1.75" FBH PDM, 8.75" SECURITY MM56D BIT, EM TOOL.

13:00 13:30 0.50 N CASSURF 47 RROTHR BRAKE ACTUATOR ON DRAW WORKS LEAKING SHUTTING DRAW WORKS DOWN. REPLACED ACTUATOR.

13:30 15:30 2.00 P CASSURF 14 PULDSTR P/U 3- 6-1/2" DC AND TIH P/U 5" DP TO 600'.

15:30 16:00 0.50 P CASSURF 12 RIGSVC SERVICE RIG. REPAIRED HOSE ON TORQUE GAUGE FOR TONGS.

16:00 17:00 1.00 P CASSURF 13 TRIP CONTINUE TIH P/U DP TO 1,032'.

17:00 17:30 0.50 P CASSURF 72 DRLCMT DISPLACE WATER IN HOLE W/ 8.8 PPG OBM. DRILL SHOE TRACK F/ 1,032' TO 1,077' AND RAT HOLE TO 1,083'. SPUD WELL @ 17:30 HRS 8-11-17

17:30 06:00 12.50 P DRLPRD 07 DRLVERT DRILL VERTICAL 1,083'- 4,543'.

Daily Operations Comments

UTILIZING RYAN DIRECTIONAL PLAN # 3. (SPUD WELL @ 17:30 HRS 8-11-17)



<div>EP ENERGY</div>		Daily Drilling Report Onshore		Well Name/Wellbore No.: UNIVERSITY CENTRAL 0802DH/00		Report Number: 008 API #: 4238339943	
				Country: USA		Report Date: 08/14/2017	
				State/OCSG TEXAS		Spud Date: 08/11/2017	
				Field/Permit#: WOLFCAMP CENTRAL		Release Date:	
				Supervisors: DANNY RICHMOND / ROBERT HARPE		DFS: 2.52 DOL: 7 AFE Days: 6	
				Engineer/Manager: MACAFEE, BRADLEY / MARES, SERGI		Last BOP T.: 08/10/2017	
**Data shared on this report is CONFIDENTIAL**							
Depth md/tvd (ft): 8,560.02 / 8,216.99				Rig: NABORS DRILLING/888			
Progress (ft): 760.00				Rig Phone: 713-997-1160			
ROP: 760.0 / 17.00 = 44.71				RKB (ft): 2,935.01			
Proposed TD (ft): 18,454.70				Ground Level (ft): 2,905.0			
Next Csg Point (ft): 18,454.04				POB: 24 Total Man Hours: 298.00			
Current Activity: L/D CURVE ASSEMBLY. PTB: INC- 92.3° AZ- 183.08° BELOW- 4.8' RIGHT- 8.3'							
24 Hr Summary: TIH WITH CURVE ASSEMBLY. DRILL CURVE TO 8,560'. CBU. POOH. L/D CURVE ASSEMBLY. P/U LATERAL ASSEMBLY.							
24 Hr Forecast: TIH WITH LATERAL ASSEMBLY. DRILL LATERAL.							
MUD PROPERTIES				MUD MATERIALS		BIT RECORD	
Fluids Co.: HALLIBURTON						Bit# 2	
Fluids Eng: DANIEL A. MARTINEZ						S/N 5271781	
Time: 6:01 Oil Cnt (%): 68				Mud Additives Used		Size (in) 8.75	
Location: IN H2O Cnt (%): 23				FUEL SURCHARGE 300		Mfg BAKER	
Pit Temp (°F): 120 Sand Cnt (%): 0.01				GELTONE 17		IADC Type VG-20M	
Depth (ft): 8,370.02 MBT:				TRANSPORTATION 283			
Density (ppg): 8.80 pH:				SUSPENTONE 15			
FV (s/qt): 57 Pm:				CALCIUM CHLORIDE 50		Jets 3X18	
PV (cp): 16 Pf/Mf:				TAX 8,264		Depth In (ft) 7,800	
YP (lb/100ft²): 15 Chloride:				BARITE 41 160		Depth Out (ft) 8,560	
Gels (l): 10/13/14 Calcium:				ENGINEER 1		Bit Rotations 20/313	
WL: 6.00 LCM:				DRILL TREAT 10		On Btm Hrs Cum 17.00	
HTHP (°F): 250 ES (mV): 691.0				BDF-929 2		Footage Cum (ft) 760	
Cake: 2.00 LGS (%): 6.10						ROP Cum 44.7	
Solids: Ex Lime (ppb): 4.5						WOB mn/mx (kip) 55 / 60	
ECD (ppg): 9.2 OWR: 74.7 / 25.3						RPM rot/bit 20 / 313	
						Bit HP 2.25	
						HSI 3.02	
						PSI Drop (psi) 521.41	
						Jet Vel (ft/s) 257.34	
						Imp Force 701.56	
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 # 2	
Form:		Pore Pressure: (%)		Lag Time: (min)			
BHA # 3						STRING LOADS	
Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)	On Btm Torque:	6,500
1	8.5" ULTERRA - U519M 7X20's		8.500	1.00	1.00	Off Btm Torque:	3,000
1	RYAN 6 5/8" 7/8 6.4 1.75 SBTB MU		6.625	29.80	30.80	Str. Wt. Up:	225
1	PONY DC	2.875	6.750	10.90	41.70	Str. Wt. Down:	175
1	EM TOOL	2.750	6.500	27.13	68.83	Str. Wt. Rot:	205
1	NMDC	3.125	6.750	26.93	95.76	Max Over Pull:	20
90	5" D.P.	4.276	5.000	2,840.65	2,936.41		
1	AGITATOR	2.500	6.625	12.98	2,949.39		
1	SHOCK SUB	2.500	6.625	11.91	2,961.30		
180	5" DP	4.276	5.000	5,598.72	8,560.02		
Total Length:					8,560.02	BHA PROPERTIES	
						BHA Hrs: 17	
						Jar Hrs:	
						Cum String Hours: 18	
						Weight B Jars (kip):	
						MUD PUMPS	
		#1	#2	#3			
Pump	DR	DR					
Type:							
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): 599		SPP (psi): 2,630					
AV (DC): 428		AV (DP): 283					
SURVEYS							
MD (ft)	Inclination(°)	Azimuth (°)	TVD (ft)	V Section (ft)	+E/-W (ft)	+N/-S (ft)	Dog Leg (°/100ft)
7,896	9.88	176.93	7,818	-70.99	-756.57	-62.13	8.59
7,991	23.69	180.98	7,909	-98.34	-756.46	-89.49	14.58
8,086	34.44	178.34	7,992	-144.40	-756.01	-135.56	11.39
8,180	45.06	178.16	8,064	-204.37	-754.16	-195.55	11.30
8,275	55.88	178.69	8,124	-277.48	-752.18	-268.69	11.40
8,370	65.13	180.45	8,171	-360.06	-751.62	-351.28	9.87
8,465	75.56	182.38	8,203	-449.39	-753.87	-440.59	11.14
8,508	83.13	183.08	8,211	-491.59	-755.89	-482.77	17.68
OPERATION DETAILS							
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION
06:00	09:00	3.00	P	DRLPRD	13	TRIP	TIH. BREAK CIRCULATION EVERY 20 STANDS.
09:00	09:30	0.50	P	DRLPRD	07	DRLVERT	DRILL VERTICAL 7,800 - 7,830'
09:30	02:00	16.50	P	DRLPRD	09	DRLCRV	DRILL CURVE 7,830'- 8,560' (85° @ 8,518').
02:00	02:30	0.50	P	DRLPRD	15	CIRC	CBU. FLOW CHECK. PUMP SLUG.
02:30	05:30	3.00	P	DRLPRD	13	TRIP	POOH TO BHA.
05:30	06:00	0.50	P	DRLPRD	14	PULDSTR	L/D CURVE BHA.
Daily Operations Comments							
UTILIZING RYAN DIRECTIONAL PLAN # 3. (SPUD WELL @ 17:30 HRS 8-11-17). (85° @ 8,518').							