

 Daily Drilling Report Onshore		Well Name/Wellbore No.: UNIVERSITY CENTRAL 0803CH/00		Report Number: 008 Report Date: 08/11/2017 Spud Date: 08/05/2017		API #: 4238339840	
		Country: USA State/OCSG: TEXAS Field/Permit#: WOLFCAMP CENTRAL Supervisors: PANNELL, CHARLES / JOHNSON, DUS Engineer/Manager: MACAFEE, BRADLEY / MARES, SERGI		DFS: 6.10 Last BOP T.:		DOL: 7 AFE Days: 6	
Data shared on this report is CONFIDENTIAL							
Depth md/tvd (ft): 15,500.03 / 8,422.67		Rig: NABORS DRILLING/F-34					
Progress (ft): 2,925.01		Rig Phone: 713-997-1205					
ROP: 2,925.0 / 24.00 = 121.88		RKB (ft): 2,934.01					
Proposed TD (ft): 20,012.30		Ground Level (ft): 2,904.0					
Next Csg Point (ft): 17,999.04		POB: 23 Total Man Hours: 257.00					
Current Activity: DRILLING LATERAL @ 15,500'. LAST SURVEY: MD 15,442' / INC 87.63° / AZM 179.59° / TVD 8,417' / ABOVE 5.8' A / LEFT 7.54' . 24 Hr Summary: DRILL LATERAL 12,575' - 15,500'. 24 Hr Forecast: DRILL LATERAL AHEAD SPUD 08/05/2017 03:30.							
MUD PROPERTIES		MUD MATERIALS		BIT RECORD		CASING	
Fluids Co.: HALLIBURTON Fluids Eng: Michael Burkett Time: 22:34 Oil Cnt (%): 71 Location: JCTION TANK H2O Cnt (%): 22 Pit Temp (°F): 129 Sand Cnt (%): 0.01 Depth (ft): 14,448.03 MBT (lbm/bbl): 0.0 Density (ppg): 8.60 pH: 0.0 FV (s/qt): 54 Pm (cc): 0.0 PV (cp): 15 Pf (cc)/Mf (cc): 0.0 / 0.0 YP (lb/100ft²): 14 Chloride (ppm): 0 Gels (l): 12/14/19 Calcium (ppm): 0.00 WL (cc/30min): 8.00 LCM (lbm/bbl): 0.0 HTHP (°F): 250 ES (mV): 573.0 Cake (32nd"): 2.00 LGS (%): 4.90 Solids (lbm/bbl): 44 Ex Lime (ppb): 3.5 ECD (ppg): 9.4 OWR: 76.5 / 23.5		Mud Additives Used LIME 100 SUSPENTONE 12 MUD ENGINEER 1 CALCIUM CHLORIDE PO 100 TAX 5,517 GELTONE 18		Bit# 4 S/N 12925361 Size (in) 8.50 Mfg HALLIBURTON IADC Type Model # GT65D Jets 6X22 Depth In (ft) 12,053 Depth Out (ft) Bit Rotations 167/237 On Btm Hrs Cum 28.50 Footage Cum (ft) 3,447 ROP Cum 120.9 WOB mn/mx (kip) / 25 / 39 RPM rot/bit / 167 / 237 Bit HP 0.83 HSI 0.37 PSI Drop (psi) 59.17 Jet Vel (ft/s) 87.95 Imp Force 237.86		Size(in) MD(ft)/TVD(ft) FIT/LOT(ppg) 14.00 70.00 / 70.00 9.63 1,122.00 / 1,122.00 5.50 17,999.04 / 8,348.02	
MUD LOGGING		Surf to Surf: Lag Strokes: Lag Time: (min)		Grading Bit # Bit # 4		INVENTORY	
Trip Gas (units): @ Conn Gas (units): @ Form: Pore Pressure: (%)		BG Gas (units): Surf to Surf: Lag Strokes: Lag Time: (min)		I O D L B G O R		Item Inv OBM DIESEL 4,800 DIESEL 15,840	
BHA # 4				STRING LOADS		MUD PUMPS	
Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)	On Btm Torque: 18,500 Off Btm Torque: 3,500 Str. Wt. Up: 290 Str. Wt. Down: 110 Str. Wt. Rot.: 200 Max Over Pull:	#1 #2 #3
1	HALLIBURTON GT65D 6-22'S		8.500	1.00	1.00		Pump Type: DR DR
1	RYAN 1.83° 7/8 5.0 STG FBH (BTS)		7.000	25.85	26.85		Liner ID: 5.50 5.50
1	PONY DC	3.250	6.625	11.41	38.26		SPM: 85.00 85.00
1	EM TOOL	2.875	6.625	32.44	70.70		GPM: 305.28 305.28
1	NMDC	2.875	6.625	30.63	101.33		SPR: 1 SPM: 0.00 0.00
90	5" D.P.	4.276	5.000	2,818.68	2,920.01		Pressure: 0.00 0.00
1	AGITATOR	2.500	6.625	14.79	2,934.80		2 SPM: 0.00 0.00
1	SHOCK SUB	2.500	6.625	10.05	2,944.85		Pressure: 0.00 0.00
504	5" DP	4.276	5.000	12,555.19	15,500.03		
Total Length: 15,500.03				BHA PROPERTIES		T GPM (gpm): 599 SPP (psi): 3,950 AV (DC): 429 AV (DP): 285	
				BHA Hrs: 24 Jar Hrs: Cum String Hours: 31 Weight B Jars (kip):			
SURVEYS							
MD (ft)	Inclination(°)	Azimuth (°)	TVD (ft)	V Section (ft)	+E/-W (ft)	+N/-S (ft)	Dog Leg (°/100ft)
14,733	92.00	179.94	8,427	-6,479.58	-169.08	-6,478.05	0.96
14,827	89.94	179.94	8,425	-6,573.56	-168.98	-6,572.03	2.19
14,921	90.50	182.23	8,425	-6,667.55	-170.76	-6,666.01	2.51
15,015	90.81	181.52	8,424	-6,761.52	-173.84	-6,759.95	0.82
15,109	90.56	180.47	8,423	-6,855.51	-175.47	-6,853.93	1.15
15,203	90.44	180.29	8,422	-6,949.51	-176.09	-6,947.92	0.23
15,297	93.13	181.52	8,419	-7,043.45	-177.57	-7,041.86	3.15
15,391	87.63	179.59	8,418	-7,137.41	-178.48	-7,135.81	6.20
OPERATION DETAILS							
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION
06:00	06:00	24.00	P	DRLPRD	10	DRLLAT	DRILL F/ 12,575' - 15,500'.
Daily Operations Comments NO MUD LOST LOST 24 HRS. UTILIZING DIRECTIONAL PLAN #3.							

<div>EP ENERGY</div> <div>Daily Drilling Report Onshore</div>		Well Name/Wellbore No.: UNIVERSITY CENTRAL 0803CH/00				Report Number: 010 Report Date: 08/13/2017 Spud Date: 08/05/2017 Release Date: DFS: 8.10 Last BOP T.:				API #: 4238339840 DOL: 9 AFE Days: 6									
		Country: USA State/OCSSG: TEXAS Field/Permit#: WOLFCAMP CENTRAL Supervisors: PANNELL, CHARLES / JOHNSON, DUS Engineer/Manager: MACAFEE, BRADLEY / MARES, SERGI																	
Data shared on this report is CONFIDENTIAL																			
Depth md/tvd (ft): 18,005.04 / 8,374.57						Rig: NABORS DRILLING/F-34													
Progress:						Rig Phone: 713-997-1205													
ROP: / = 0.00						RKB (ft): 2,934.01													
Proposed TD (ft): 20,012.30						Ground Level (ft): 2,904.0													
Next Csg Point (ft): 17,999.04						POB: 22 Total Man Hours: 255.00													
Current Activity: RUNNING 5" PRODUCTION CASING @ 12,442'.																			
24 Hr Summary: FINISH CIRC. CLEAN UP CYCLE. TOH. R/U & RUN PRODUCTION CASING.																			
24 Hr Forecast: FINISH RUNNING & CEMENT PRODUCTION CASING. SET SLIPS & INSTALL TUBING HEAD. RELEASE RIG & SKID TO THE UC 803-AH. SPUD 08/05/2017 03:30. SPUD TO TD 7.08 DAYS.																			
MUD PROPERTIES				MUD MATERIALS				BIT RECORD				CASING							
Fluids Co.: HALLIBURTON								Bit#				Size(in) MD(ft)/TVD(ft) FIT/LOT(ppg)							
Fluids Eng: Michael Burkett								S/N				14.00 70.00 / 70.00							
Time: 22:34 Oil Cnt (%): 71				Mud Additives Used				Size (in)				9.63 1,122.00 / 1,122.00							
Location: JCTION TANK H2O Cnt (%): 21				DRIL-TREAT 1				Mfg				5.50 17,999.04 / 8,348.02							
Pit Temp (°F): 120 Sand Cnt (%): 0.01				TAX 3,926				IADC Type											
Depth (ft): 18,005.04 MBT (lbm/bbl): 0.0				MUD ENGINEER 1				Model #											
Density (ppg): 8.70 pH: 0.0				CALCIUM CHLORIDE PO 50				Jets				6X22							
FV (s/qt): 55 Pm (cc): 0.0				BARITE 41 190				Depth In (ft)											
PV (cp): 14 Pf (cc)/Mf (cc): 0.0 / 0.0				GELTONE 6				Depth Out (ft)											
YP (lb/100ft²): 15 Chloride (ppm): 0				LIME 50				Bit Rotations											
Gels (l): 12/16/19 Calcium (ppm): 0.00								On Btm Hrs Cum											
WL (cc/30min): 7.20 LCM (lbm/bbl): 0.0								Footage Cum (ft)											
HTHP (°F): 250 ES (mV): 595.0								ROP Cum											
Cake (32nd"): 2.00 LGS (%): 5.80								WOB mn/mx (kip)				/ /							
Solids (lbm/bbl): 53 Ex Lime (ppb): 3.5								RPM rot/bit				/ /							
ECD (ppg): 8.7 OWR: 77.6 / 22.4								Bit HP											
								HSI											
								PSI Drop (psi)											
								Jet Vel (ft/s)											
								Imp Force											
MUD LOGGING								Grading				I O D L B G O R							
Trip Gas (units): @				BG Gas (units):				Bit #											
Conn Gas (units): @				Surf to Surf: Lag Strokes:				Bit #											
Form:				Pore Pressure: (%) Lag Time: (min)															
BHA # 4												STRING LOADS				MUD PUMPS			
Qty	Item Description			ID (in)	OD (in)	Len (ft)	Cum (ft)	On Btm Torque:				#1				#2		#3	
1	HALLIBURTON GT65D 6-22'S				8.500	1.00	1.00	Off Btm Torque:				Pump							
1	RYAN 1.83° 7/8 5.0 STG FBH (BTS)				7.000	25.85	26.85	Str. Wt. Up:				Type:							
1	PONY DC			3.250	6.625	11.41	38.26	Str. Wt. Down:				Liner ID:				0.00			
1	EM TOOL			2.875	6.625	32.44	70.70	Str. Wt. Rot.:				SPM:				0.00			
1	NMDC			2.875	6.625	30.63	101.33	Max Over Pull:				GPM:				0.00			
90	5" D.P.			4.276	5.000	2,818.68	2,920.01					SPR:							
1	AGITATOR			2.500	6.625	14.79	2,934.80					1 SPM:				0.00			
1	SHOCK SUB			2.500	6.625	10.05	2,944.85					Pressure:				0.00			
504	5" DP			4.276	5.000	15,060.19	18,005.04					2 SPM:				0.00			
Total Length:							18,005.04					Pressure:				0.00			
								BHA PROPERTIES											
								BHA Hrs:											
								Jar Hrs:											
								Cum String Hours:											
								Weight B Jars (kip):											
												T GPM (gpm):				SPP (psi):			
												AV (DC): 429				AV (DP): 285			
SURVEYS																			
MD (ft)		Inclination(°)		Azimuth (°)		TVD (ft)		V Section (ft)		+E/-W (ft)		+N/-S (ft)		Dog Leg (°/100ft)					
14,733		92.00		179.94		8,427		-6,479.58		-169.08		-6,478.05		0.96					
14,827		89.94		179.94		8,425		-6,573.56		-168.98		-6,572.03		2.19					
14,921		90.50		182.23		8,425		-6,667.55		-170.76</									



Fuel						
FUEL TYPE	VENDOR	BEG QTY	RECEIVED QTY	TOTAL QTY	QTY USED	QTY REMAINING
Diesel	Fuel Source	2,163	0	2,163	-	2,163

SAFETY MEETING / JOB SAFETY ANALYSIS		
	DAYLIGHT TOUR	MORNING TOUR
TOPIC		RIGGING UP
JSA		SLIPS/TRIPS/FALLS
STOP CARDS	0	0
NEAR MISSES	0	0



DAILY DRILLING REPORT

General Information									
LEASE UNIVERSITY EAST		WELL NUMBER 0803CH		API WELL NUMBER 42-383-39840		DATE 5/31/2017			
COUNTY, STATE REAGAN		LOCATION 10.2 MLS W DIRECTION FROM BIG LAKE				TRRC PERMIT NUMBER 824564			
OPERATOR EP ENERGY				CONTRACTOR Integrity Services, LLC					
OPERATOR REPRESENTATIVE DERIC MOTLEY				CONTRACTOR REPRESENTATIVE JORDAN CLICK					
Texas Railroad Commission								Depth	
TRRC JOB NUMBER 85061		TRRC CONTACT NAME IVY				PROPOSED MEASURED DEPTH (MD) 1134			
TRRC CONTACT DATE 5/30/2017		TRRC CONTACT TIME 11:17							
Casing								Survey Information	
	OD	ID	WEIGHT	GRADE	CONNECTION	MD	TVD	ANGLE	
Conductor	14"								
Surface	9 5/8	8.835	38/40#	J-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	7:30	1.50	BAD WEATHER / HAIL / LIGHTNING						
7:30	10:30	3.00	RIG UP ON UNIVERSITY CENTRAL 0803CH						
10:30	11:00	0.50	P/U BHA F/ 0' TO 40'						
11:00	11:30	0.50	DRLG @ 40' TO 110'						
11:30	12:00	0.50	CHANGE HEAD RUBBER T/ DP						
12:00	18:00	6.00	DRLG @ 110' TO 850'						
18:00	18:00	-	TOUR CHANGE / SAFETY MEETING						
18:00	18:30	0.50	WORK ON RIG						
18:30	21:00	2.50	DRLG F/ 850' TO 1142' RKB TD WELL						
21:00	21:30	0.50	CLEAN HOLE						
21:30	23:30	2.00	TOOH F/ 1142' TO 100'						
23:30	12:00	0.50	L/D BHA F/ 100' TO BIT						
12:00	12:30	0.50	R/U TO RUN 27 JTS OF 9 5/8 CSNG						
12:30	2:00	1.50	RUN 24 JTS						
2:00	3:30	1.50	WASH DOWN 3 JTS LANDING @ 1134' GL						
3:30	4:00	0.50	SAFETY MEETING / RIG UP FOR CEMENT						
4:00	6:00	2.00	CEMENT W/COMPASS - 20 BBL GEL SPACER - 190.5 LEAD - 37.3 TAIL						
TOTAL HOURS		24.00							
Crew									
TITLE		NAME		HOURS	NAME				
RIG MANAGER		ROBERT BUCKLEY		24	ROBERT BUCKLEY				
DRILLER		MYRON		12	BRANDON				
PIT HAND		BRANDON		12	AARON				
MOTORS		MICHAEL		12	RAY				
FLOOR HAND		RUBEN		12					
LOA									
BIT NO	SIZE	MAKE	TYPE	FOOTAGE	HOURS	ROP	WOB	RPM	
1 NEW	12 1/4	NUMA	DHT	1143	9	127	2 - 3000 LBS	35 - 40	
BIT SERIAL #		125011							
235825									
Mist Drilling Information				Compressed Air 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		2,163	2,000	4,163	1,900	2,263		
SAFETY MEETING / JOB SAFETY ANALYSIS									
DAYLIGHT TOUR			MORNING TOUR						
TOPIC	RIGGING UP			TRIPPING PIPE					
JSA	SLIPS/TRIPS/FALLS			PINCH POINTS					
STOP CARDS	0			0					
NEAR MISSES	0			0					



DAILY DRILLING REPORT

General Information									
LEASE UNIVERSITY EAST		WELL NUMBER 0803CH		API WELL NUMBER 42-383-39840		DATE 5/31/2017			
COUNTY, STATE REAGAN		LOCATION 10.2 MLS W DIRECTION FROM BIG LAKE				TRRC PERMIT NUMBER 824564			
OPERATOR EP ENERGY				CONTRACTOR Integrity Services, LLC					
OPERATOR REPRESENTATIVE DERIC MOTLEY				CONTRACTOR REPRESENTATIVE JORDAN CLICK					
Texas Railroad Commission								Depth	
TRRC JOB NUMBER 85061		TRRC CONTACT NAME IVY				PROPOSED MEASURED DEPTH (MD) 1092.3			
TRRC CONTACT DATE 5/30/2017		TRRC CONTACT TIME 11:17							
Casing								Survey Information	
	OD	ID	WEIGHT	GRADE	CONNECTION	MD	TVD	ANGLE	
Conductor	14"								
Surface	9 5/8	8.835	36/40#	J-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	7:30	1.50	BAD WEATHER / HAIL / LIGHTNING						
7:30	10:30	3.00	RIG UP ON UNIVERSITY CENTRAL 0803CH						
10:30	11:00	0.50	P/U BHA F/ O' TO 40'						
11:00	11:30	0.50	DRLG @ 40' TO 110'						
11:30	12:00	0.50	CHANGE HEAD RUBBER T/ DP						
12:00	18:00	6.00	DRLG @ 110' TO 850'						
18:00	18:00	-	TOUR CHANGE / SAFETY MEETING						
18:00	18:30	0.50	WORK ON RIG						
18:30	21:00	2.50	DRLG F/ 850' TO 1099.30' RKB TD WELL						
21:00	21:30	0.50	CLEAN HOLE						
21:30	23:30	2.00	TOOH F/ 1099.30' TO 100'						
23:30	12:00	0.50	L/D BHA F/ 100' TO BIT						
12:00	12:30	0.50	R/U TO RUN 27 JTS OF 9 5/8 CSNG						
12:30	2:00	1.50	RUN 24 JTS						
2:00	3:30	1.50	WASH DOWN 3 JTS LANDING @ 1092.30' GL						
3:30	4:00	0.50	SAFETY MEETING / RIG UP FOR CEMENT						
4:00	6:00	2.00	CEMENT W/COMPASS - 20 BBL GEL SPACER - 190.5 LEAD - 37.3 TAIL - 84 BBLs TO SURFACE						
TOTAL HOURS		24.00							
Crew									
TITLE		NAME		HOURS	NAME				
RIG MANAGER		ROBERT BUCKLEY		24	ROBERT BUCKLEY				
DRILLER		MYRON		12	BRANDON				
PIT HAND		BRANDON		12	AARON				
MOTORS		MICHAEL		12	RAY				
FLOOR HAND		RUBEN		12					
LOA									
BIT NO	SIZE	MAKE	TYPE	FOOTAGE	HOURS	ROP	WOB	RPM	
1 NEW	12 1/4	NUMA	DHT	1100	9	127	2 - 3000 LBS	35 - 40	
BIT SERIAL #		125011							
235825									
Mist Drilling Information				Compressed Air 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		2,163	2,000	4,163	1,900	2,263		
SAFETY MEETING / JOB SAFETY ANALYSIS									
	DAYLIGHT TOUR			MORNING TOUR					
TOPIC	RIGGING UP			TRIPPING PIPE					
JSA	SLIPS/TRIPS/FALLS			PINCH POINTS					
STOP CARDS	0			0					
NEAR MISSES	0			0					

<div><div>EP ENERGY</div><div>Daily Drilling Report Onshore</div></div>		<div>Well Name/Wellbore No.: UNIVERSITY CENTRAL 0803CH/00</div> <div>Country: USA State/OCSG: TEXAS Field/Permit#: WOLFCAMP CENTRAL Supervisors: PANNELL, CHARLES / JOHNSON, DUS Engineer/Manager: MACAFEE, BRADLEY / MARES, SERGI</div>		<div>Report Number: 005 Report Date: 08/08/2017 Spud Date: 08/05/2017 Release Date: DFS: 3.10 Last BOP T.:</div> <div>API #: 4238339840 DOL: 4 AFE Days: 6</div>			
Data shared on this report is CONFIDENTIAL							
Depth md/tvd (ft): 8,820.02/ 8,813.49 Progress (ft): 590.00 ROP: 590.0 / 11.50 = 51.30 Proposed TD (ft): 20,012.30 Next Csg Point (ft): 20,009.04		Rig: NABORS DRILLING/F-34 Rig Phone: 713-997-1205 RKB (ft): 2,934.01 Ground Level (ft): 2,904.0 POB: 22 Total Man Hours: 255.00					
Current Activity: DRILLING LATERAL @ 8,820'. 24 Hr Summary: DRILL CURVE SECTION TO 8,647",TRIP FOR LATERAL ASSEMBLY, FINISH DRILLING CURVE. TOH FOR LATERAL ASSEMBLY. DRILL LATERAL. 24 Hr Forecast: DRILL LATERAL AHEAD SPUD 08/05/2017 03:30.							
MUD PROPERTIES		MUD MATERIALS		BIT RECORD			
Fluids Co.: HALLIBURTON Fluids Eng: Michael Burkett Time: 22:34 Oil Cnt (%): 71 Location: JCTION TANK H2O Cnt (%): 22 Pit Temp (°F): 118 Sand Cnt (%): 0.01 Depth (ft): 8,651.02 MBT (lbm/bbl): 0.0 Density (ppg): 8.50 pH: 0.0 FV (s/qt): 51 Pm (cc): 0.0 PV (cp): 14 Pf (cc)/Mf (cc): 0.0 / 0.0 YP (lb/100ft²): 14 Chloride (ppm): 0 Gels (l): 11/14/16 Calcium (ppm): 0.00 WL (cc/30min): 7.60 LCM (lbm/bbl): 0.0 HTHP (°F): 250 ES (mV): 508.0 Cake (32nd"): 2.00 LGS (%): 4.20 Solids (lbm/bbl): 38 Ex Lime (ppb): 3.5 ECD (ppg): 8.9 OWR: 76.3 / 23.7		Mud Additives Used CALCIUM CHLORIDE PO 50 DRIL-TREAT 2 SUSPENTONE 6 Factant 1 LIME 50 TAX 6,193 MUD ENGINEER 1 BARITE 41 135 GELTONE 6		Bit# 2 S/N 5271818 12859266 Size (in) 8.75 8.50 Mfg BAKER HALLIBURTON IADC Type Model # VG20M GT65D Jets 3X18 6X22 Depth In (ft) 8,140 8,647 Depth Out (ft) 8,647 Bit Rotations 294/324 120/179 On Btm Hrs Cum 9.00 4.50 Footage Cum (ft) 417 173 ROP Cum 46.1 38.4 WOB mn/mx (kip) 50 / 60 17 / 20 RPM rot/bit 294 / 324 120 / 179 Bit HP 0.80 0.28 HSI 1.07 0.13 PSI Drop (psi) 257.28 28.82 Jet Vel (ft/s) 183.93 61.56 Imp Force 346.17 115.87			
MUD LOGGING		Grading		INVENTORY			
Trip Gas (units): @ Conn Gas (units): @ Form: Pore Pressure: (%) Surf to Surf: Lag Strokes: (min) Lag Time: (min)		I O D L B G O R		Item Inv OBM DIESEL 8,685 DIESEL 15,459			
BHA # Copy 3		STRING LOADS		MUD PUMPS			
Qty Item Description ID (in) OD (in) Len (ft) Cum (ft) 1 HALLIBURTON GT65D 6-22'S 8.500 1.00 1.00 1 RYAN 1.75" 7/8 5.0 STG FBH (BTS) 7.000 26.18 27.18 1 PONY DC 3.250 6.625 11.41 38.59 1 EM TOOL 2.875 6.625 31.02 69.61 1 NMDC 2.875 6.625 30.63 100.24 90 5" D.P. 4.276 5.000 2,818.68 2,918.92 1 AGITATOR 2.500 6.625 14.79 2,933.71 1 SHOCK SUB 2.500 6.625 10.05 2,943.76 504 5" DP 4.276 5.000 5,876.26 8,820.02 Total Length: 8,820.02		On Btm Torque: 9,300 Off Btm Torque: 6,000 Str. Wt. Up: 240 Str. Wt. Down: 200 Str. Wt. Rot.: 220 Max Over Pull: BHA Hrs: 6 Jar Hrs: Cum String Hours: 9 Weight B Jars (kip):		#1 #2 #3 Pump DR Type: Liner ID: 5.50 SPM: 119.00 GPM: 427.39 SPR: 1 SPM: 0.00 Pressure: 0.00 2 SPM: 0.00 Pressure: 0.00 T GPM (gpm): 600 SPP (psi): 2,550 AV (DC): 429 AV (DP): 285			
SURVEYS		BHA PROPERTIES					
MD (ft) Inclination(°) Azimuth (°) TVD (ft) V Section (ft) +E/-W (ft) +N/-S (ft) Dog Leg (°/100ft) 5,130 1.69 162.01 5,124 -94.33 -11.49 -94.21 0.07 5,318 1.69 298.59 5,312 -95.66 -13.06 -95.52 1.67 5,506 0.81 312.66 5,500 -93.48 -16.48 -93.29 0.49 5,693 0.38 279.26 5,687 -92.50 -18.06 -92.29 0.29 5,880 0.56 114.90 5,874 -92.78 -17.84 -92.58 0.50 6,068 1.13 123.69 6,062 -94.17 -15.47 -93.99 0.31 6,256 0.19 270.99 6,250 -95.18 -14.24 -95.02 0.69 6,442 0.50 160.96 6,436 -95.94 -14.28 -95.78 0.32							
OPERATION DETAILS							
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION
06:00	13:00	7.00	P	DRLPRD	09	DRLCRV	DRILL CURVE F/ 8,230' - 8,647' ;PTB 75 °
13:00	13:30	0.50	P	DRLPRD	15	CIRC	CIRCULATE HOLE CLEAN & SLUG PIPE
13:30	17:30	4.00	P	DRLPRD	13	TRIP	TRIP FOR LATERAL BHA. L/D CURVE ASSEMBLY.
17:30	18:30	1.00	P	DRLPRD	13	TRIP	M/U LATERAL ASSEMBLY. TIH WITH 2 STANDS DP.
18:30	19:00	0.50	P	DRLPRD	12	RIGSVC	SERVICE RIG.
19:00	20:00	1.00	N	DRLPRD	45	RRCIRC	CHANGE OUT SWIVEL PACKING.
20:00	01:30	5.50	P	DRLPRD	13	TRIP	TIH FILLING UP EVERY 25 STANDS & PUMPING 10 MINUTES AFTER EACH FILL UP.
01:30	06:00	4.50	P	DRLPRD	09	DRLCRV	BUILD CURVE 8,647' - 8,820' DRILLING SLOWER DUE TO DRILLING ON 1 PUMP. PULSATION DAMPNER CAP ON #2 MP LEAKING.
Daily Operations Comments NO MUD LOST LOST 24 HRS.							

<div>EP ENERGY</div> <div>Daily Drilling Report Onshore</div>				<div>Well Name/Wellbore No.:</div> UNIVERSITY CENTRAL 0803CH/00				<div>Country:</div> USA				<div>State/OCSG:</div> TEXAS				<div>Field/Permit#:</div> WOLFCAMP CENTRAL				<div>Report Number:</div> 006				<div>API #:</div> 4238339840			
				<div>Supervisors:</div> PANNELL, CHARLES / JOHNSON, DUS				<div>Engineer/Manager:</div> MACAFEE, BRADLEY / MARES, SERGI				<div>Report Date:</div> 08/09/2017				<div>Spud Date:</div> 08/05/2017											
												<div>Release Date:</div>				<div>DFS: 4.10</div>				<div>DOL: 5</div>				<div>AFE Days: 6</div>			

<div><div>EP ENERGY</div><div>Daily Drilling Report Onshore</div></div>		<div>Well Name/Wellbore No.: UNIVERSITY CENTRAL 0803CH/00</div> <div>Country: USA State/OCSG: TEXAS Field/Permit#: WOLFCAMP CENTRAL Supervisors: PANNELL, CHARLES / JOHNSON, DUS Engineer/Manager: MACAFEE, BRADLEY / MARES, SERGI</div>	<div>Report Number: 007 Report Date: 08/10/2017 Spud Date: 08/05/2017 Release Date: DFS: 5.10 DOL: 6 AFE Days: 6</div>												
Data shared on this report is CONFIDENTIAL															
Depth md/tvd (ft): 12,575.03/ 8,439.76 Progress (ft): 710.00 ROP: 710.0 / 5.50 = 129.09 Proposed TD (ft): 20,012.30 Next Csg Point (ft): 20,009.04		Rig: NABORS DRILLING/F-34 Rig Phone: 713-997-1205 RKB (ft): 2,934.01 Ground Level (ft): 2,904.0 POB: 27 Total Man Hours: 297.00													
Current Activity: DRILLING LATERAL @ 12,575'. 24 Hr Summary: DRILL LATERAL TO 12,053'. CIRC HOLE CLEAN. TOH FOR LATERAL ASSEMBLY #2. STAGE IN HOLE. DRILL LATERAL AHEAD. 24 Hr Forecast: DRILL LATERAL AHEAD SPUD 08/05/2017 03:30.															
MUD PROPERTIES		MUD MATERIALS		BIT RECORD			CASING								
Fluids Co.: HALLIBURTON Fluids Eng: Michael Burkett Time: 22:34 Location: JCTION TANK Pit Temp ("F: 119 Depth (ft): 12,053.02 Density (ppg): 8.55 FV (s/qt): 55 PV (cp): 14 YP (lb/100ft²): 15 Gels (l): 12/14/18 WL (cc/30min): 7.20 HTHP ("F): 250 Cake (32nd"): 2.00 Solids (lbm/bbl): 34 ECD (ppg): 9.2		Oil Cnt (%): 72 H2O Cnt (%): 22 Sand Cnt (%): 0.01 pH: 0.0 Pm (cc): 0.0 Pf (cc)/Mf (cc): 0.0 / 0.0 Chloride (ppm): 0 Calcium (ppm): 0.00 LCM (lbm/bbl): 0.0 ES (mV): 622.0 LGS (%): 3.70 Ex Lime (ppb): 3.5 OWR: 76.9 / 23.1		Mud Additives Used GELTONE 12 DRIL-TREAT 2 CALCIUM CHLORIDE PO 125 TRANSPORTATION 286 FUEL SURCHARGE 300 TAX 7,707 LIME 50 MUD ENGINEER 1 SHRINK WRAP 15 BARITE 41 160 SUSPENTONE 12		Bit# 3 S/N 12859266 Size (in) 8.50 Mfg HALLIBURTON IADC Type HALLIBURTON Model # GT65D Jets 6X22 Depth In (ft) 8,647 Depth Out (ft) 12,053 Bit Rotations 168/238 On Btm Hrs Cum 1.00 Footage Cum (ft) 188 ROP Cum 125.6 WOB mn/mx (kip) 28 / 37 RPM rot/bit 168 / 238 Bit HP 0.83 HSI 0.37 PSI Drop (psi) 59.17 Jet Vel (ft/s) 87.95 Imp Force 237.86			Size(in) MD(ft)/TVD(ft) FIT/LOT(ppg) 14.00 70.00 / 70.00 9.63 1,122.00 / 1,122.00 5.50 20,009.04 / 8,327.02						
MUD LOGGING		Surf to Surf: Lag Strokes: Lag Time: (min)		Grading Bit # 3 Bit # 4			INVENTORY								
Trip Gas (units): @ Conn Gas (units) @ Form:		BG Gas (units): Pore Pressure: (%)		I O D L B G O R 1 1 BT N I BT DTF			Item Inv OBM DIESEL 9,867 DIESEL 18,456								
BHA # 4				STRING LOADS			MUD PUMPS								
Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)	On Btm Torque: 8,850 Off Btm Torque: 8,850 Str. Wt. Up: 250 Str. Wt. Down: 200 Str. Wt. Rot.: 215 Max Over Pull:	Pump Type: DR Liner ID: 5.50 SPM: 85.00 GPM: 305.28 SPR: 1 SPM: 0.00 Pressure: 0.00 2 SPM: 0.00 Pressure: 0.00	#1 DR 5.50 85.00 305.28 0.00 0.00 0.00 0.00	#2 DR 5.50 85.00 305.28 0.00 0.00 0.00 0.00	#3					
1	HALLIBURTON GT65D 6-22'S		8.500	1.00	1.00										
1	RYAN 1.83° 7/8 5.0 STG FBH (BTS)		7.000	25.85	26.85										
1	PONY DC	3.250	6.625	11.41	38.26										
1	EM TOOL	2.875	6.625	32.44	70.70										
1	NMDC	2.875	6.625	30.63	101.33										
90	5" D.P.	4.276	5.000	2,818.68	2,920.01										
1	AGITATOR	2.500	6.625	14.79	2,934.80										
1	SHOCK SUB	2.500	6.625	10.05	2,944.85										
504	5" DP	4.276	5.000	9,630.18	12,575.03										
Total Length: 12,575.03						BHA PROPERTIES BHA Hrs: 1 Jar Hrs: Cum String Hours: 29 Weight B Jars (kip):			T GPM (gpm): 599 AV (DC): 429		SPP (psi): 3,800 AV (DP): 285				
SURVEYS															
MD (ft)		Inclination(°)		Azimuth (°)		TVD (ft)		V Section (ft)		+E/-W (ft)		+N/-S (ft)		Dog Leg (°/100ft)	
11,720		93.06		179.94		8,490		-3,470.97		-75.33		-3,470.33		3.50	
11,814		92.94		179.94		8,485		-3,564.84		-75.23		-3,564.20		0.13	
11,907		92.13		179.24		8,481		-3,657.73		-74.56		-3,657.11		1.15	
12,002		90.38		174.84		8,479		-3,752.49		-69.66		-3,751.93		4.98	
12,099		94.44		182.50		8,475		-3,849.25		-67.40		-3,848.72		8.93	
12,192		91.19		182.40		8,470		-3,942.08		-71.37		-3,941.52		3.50	
12,287		94.50		186.27		8,466		-4,036.74		-78.54		-4,036.10		5.36	
12,381		95.25		185.57		8,458		-4,130.00		-88.20		-4,129.26		1.09	
OPERATION DETAILS															
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION								
06:00	07:00	1.00	P	DRLPRD	10	DRLLAT	DRILL LATERAL F/ 11,865'								