



## Daily Drilling Report

Well Name UTL 2932-17 2H

Report Date 07/28/2017

**API** 42-475-37198

Field	Phantom Wolfcamp	Supervisor	Joel Kaufman	Rig Up Days	0.56	Report No.	73
Location	Sec 12, Block 17	Supervisor 2	Chris Montan	Surface Days	2.38	DFS	70.83333333
County	Ward	Rig Phone	432-253-3863	Inter. 1 Days	6.73	Spud Date	04/26/2017
Rig Name	X20	Rig Email	JEPrig05@jaggedpeakenergy.com	Inter 2 Days	5.35	AFE	\$3,183,001.00
KB	32	Daily Footage	565	Prod. Days	58.75	Daily Cost	\$68,583.72
Depth (MD)	21,410	TVD at Bit	11417	Tot. Drill Days	73.77	Cum. Cost	\$6,651,296.03
Estimated TD	21,915			Hrs Drlg	20.75		

### Casing Data

Type	Size	Weight	Grade	Connection	Top	Bottom	Shoe Test
Surface	13-3/8	48.0	H-40	STC	32'	1,176'	
Intermediate	7	32.0	ICY P-110	BTC	32'	11,940'	

## Mud Properties

Type	CALCIUM CHLORIDE
Weight	11.55
FV	44
PV	10
YP	3
LCM (ppb)	
Chlorides	322000
% Solids	17.5
Daily Losses	
Total Losses	0

### Last Survey

Depth	Inc	Azi
21,233'	89.95°	252.96°

## BHA

Description	Length	ID	OD
TK 56	0.75'		6.00
POWERDRIVE ORBIT RSS	14.72'		5.00
Filter Sub	3.08'	2.38	5.00
5" Bico 7882	31.81'		5.00
5-3/4" autotrac nm	4.80'	2.88	4.75
HHOP CROSSOVER	6.43'	2.75	4.75
MWD Tool Carrier	28.35'	2.88	4.81
NM IBS	4.65'	2.88	4.77
NMDCOLLAR	28.98'	2.75	4.70
TOMAX	18.00'	2.31	4.75
3.5" IF P x PT 39B	2.73'	2.75	4.89
4" DP PT 39	6412.23'	3.34	4.88
<b>Total Length:</b>	<b>6556.53</b>		

### Bit Info

[illegible]

## Safety

Last BOP Test	07/25/2017	Last BOP Drill	07/25/2017	Last Function Test	07/25/2017	Diesel Used	2,736.00	Diesel Recvd		Diesel on Loc	6,156.00
---------------	------------	----------------	------------	--------------------	------------	-------------	----------	--------------	--	---------------	----------

**Activity Summary (6:00am - 6:00am)**

From	To	Hours	P / U	Summary
06:00	10:00	4.00	Drilling	<p>Drill 6" Production Lateral section with RSS (Previous trip @ 19,700')</p> <p>F/20,845' - T/21,030' (185')</p> <p>ROP =46</p> <p>WOB =10-18k</p> <p>TQ= 16K</p> <p>TD RPM = 120</p> <p>Motor RPM = 137 (0.7 Rev/Gal)</p> <p>GPM = 195</p> <p>SPP = 3300</p> <p>11.5 PPG 41 Vis</p> <p>Note:</p> <p>Holding 450 psi on connections, 111 psi while drilling</p> <p>Last Geo Sample: 20900 5% limestone 95% shale gamma 70-116</p> <p>Last Survey: 20951' 89.20° inc 25.83 azm tvd 11,419'</p>
10:00	14:15	4.25	Drilling	<p>Drill 6" Production Lateral section with RSS (Previous trip @ 19,700')</p> <p>F/21,030' - T/21,124' (94')</p> <p>ROP =24</p> <p>WOB =10-16k</p> <p>TQ= 18K</p> <p>TD RPM = 120</p> <p>Motor RPM = 137 (0.7 Rev/Gal)</p> <p>GPM = 198</p> <p>SPP = 3300</p> <p>11.5 PPG 41 Vis</p> <p>Note:</p> <p>Holding 450 psi on connections, 111 psi while drilling</p> <p>Last Geo Sample: 21000 15% limestone 85% shale gamma 40-115</p> <p>Last Survey: 21045' 91.44° inc 253.58 azm tvd 11,418'</p>
14:15	14:45	0.50	Rig Service	Rig Service. Grease top drive & blocks
14:45	16:15	1.50	Drilling	<p>Drill 6" Production Lateral section with RSS (Previous trip @ 19,700')</p> <p>F/21,124' - T/21,144' (20')</p> <p>ROP =15</p> <p>WOB =10-16k</p> <p>TQ= 18K</p> <p>TD RPM = 110</p> <p>Motor RPM = 137 (0.7 Rev/Gal)</p> <p>GPM = 198</p> <p>SPP = 3300</p> <p>11.5 PPG 41 Vis</p> <p>Note:</p> <p>Holding 450 psi on connections, 111 psi while drilling</p> <p>Last Geo Sample: 21100 25% limestone 75% shale gamma 24-50</p> <p>Last Survey: 21140' 90.05° inc 252.57 azm tvd 11,417'</p>
16:15	19:00	2.75	Rig NPT	Troubleshoot drawworks had to replace wires & cable connects from drawworks to VFD
19:00	23:00	4.00	Drilling	<p>Drill 6" Production Lateral section with RSS (Previous trip @ 19,700')</p> <p>F/21,144' - T/21,239' (95')</p> <p>ROP =24</p> <p>WOB =10-16k</p> <p>TQ= 18K</p> <p>TD RPM = 110</p> <p>Motor RPM = 123 (0.7 Rev/Gal)</p> <p>GPM = 175</p> <p>SPP = 2800</p> <p>11.5 PPG 41 Vis</p> <p>Note:</p> <p>Holding 450 psi on connections, 111 psi while drilling</p> <p>Last Geo Sample: 21200 30% limestone 70% shale gamma 48-70</p> <p>Last Survey: 21233' 89.95° inc 252.96 azm tvd 11,417'</p>
23:00	03:00	4.00	Drilling	<p>Drill 6" Production Lateral section with RSS (Previous trip @ 19,700')</p> <p>F/21,239' - T/21,360' (121')</p> <p>ROP =30</p> <p>WOB =5-18k</p> <p>TQ= 19K</p> <p>TD RPM = 110</p> <p>Motor RPM = 123 (0.7 Rev/Gal)</p> <p>GPM = 183</p> <p>SPP = 2800</p> <p>11.5 PPG 41 Vis</p> <p>Note:</p> <p>Holding 450 psi on connections, 111 psi while drilling</p> <p>Last Geo Sample: 21300 10% limestone 90% shale gamma 115-140</p>



