

## EP WELLS DAILY OPERATIONS REPORT

Report 25

08/16/2017

Company	PERMIAN
Well Type	Development
Well	UNIVERSITY 19 PW UNIT 1407H
Wellbore	UNIVERSITY 19 PW UNIT 1407H
WBS No/API No	30264950 / 4230133203

## Event Summary

Event Type	Drilling only	Event Start Date	05/10/2017	Days on Location	24.38
Objective	Drill - Wolfcamp B1 Shale	Original Spud Date	05/11/2017	Days Since Spud	21.94
Est. Days	25.00	Contractor	PRECISION		
Work Unit	PRECISION 559	Days To Release			
		Rig Phone/FAX No.			

## Well Status

Supervisor	THERON KNIGHT	Measured Depth(ft)	20,500.00
Engineer	YERMEK TYNYSHBAYEV	TVD(ft)	11,720.91
Other Supervisor	TANNER MANUEL, YU LIU	24 Hr Progress(ft)	
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,792.70 / 2,766.70	Hole size(in)	6.125
THF Datum			
Daily NPT(hr/%)	1.50/6.25	Last Casing MD	7.000in@12,087.00ft
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	4.500in@20,500.00ft
Actual cost to date/AFE	2,105,176/2,726,365.58	Current MW / BH EMW(ppg)	13.70/
Actual divided by AFE	0.77	LOT/FIT EMW(ppg)	
Daily Cost	53,750	Lithology	
		Formation/MD Top	

## HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's	
LWC RWC MTC FAC Last casing pressure test			PSI NII HPI <b>GOAL ZERO DAYS</b> <b>PS BARRIER EVENT</b> <b>PS barrier bowtie review</b>	10/12/2016	308	TRCF LWCF Safety Cards - Safe Safety Card - Unsafe SSE% Last casing pressure(psi)	
Safety Comments:							
NO HSE ISSUES							
MAN HOURS - 335 HRS							

## HSE Drills

Drills/Tests	Date	Days Since Last		
Last Derrick Inspection			JSA's/Toolbox Talks Days Since Last Drill	24
Last BOP function test	05/14/2017	94		
Last BOP Test	05/14/2017	94		
Next BOP Test	06/04/2017			

## Operations Summary

24 Hour Summary
RUN 4.5" LINER TO BOTTOM, SET HANGER W/SOUE DEPTH @20482'
Update Since Report Time
LIFE-HAND RELEASE TOOL, CONDUCT CEMENT JOB
24 Hour Forecast
FINISH CEMENT JOB. SET PACKER & STING OUT. CIRCULATE CEMENT OUT. POSITIVE TEST PACKER. DISPLACE OBM TO BRINE. PERFORM NEGATIVE TEST. POOH

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## Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	0.50	MNH1	CLR		20,500.00	0		RUN 4.5" #11.6 TXP LINER F/1,900' T/2,883'
0:30	1.50	MNH1	CLR		20,500.00	1		NPT-GENERATOR WENT OFF. LOSS POWER TO RIG
2:00	1.50	MNH1	CLR		20,500.00	0		RUN #11.6 TXP 4.5" LINER F/2,883' T/5,465'
3:30	2.50	MNH1	CLR		20,500.00	0		RUN #11.6 W563 4.5" LINER F/5,465' T/9,069'
6:00	0.50	MNH1	CLR		20,500.00	0		RUN #11.6 W563 4.5" LINER F/9,069' T/9,327'
6:30	1.00	MNH1	CLR		20,500.00	0		HOLD PJSM AND P/U 61' PACKER RUN ONE STAND IN
7:30	0.50	MNH1	CLR		20,500.00	0		R/D CASING CREW
8:00	7.00	MNH1	CLR		20,500.00	0		TIH W/DP, FILL EVERY 30 STANDS, F/9,327' T/20,485'
15:00	1.00	MNH1	RCC		20,500.00	0		SPACE OUT, P/U CEMENT HEAD AND TORQUE THE SAME
16:00	2.00	MNH1	RCC		20,500.00	0		CIRCULATE BOTTOMS UP THROUGH GAS BUSTER
18:00	1.50	MNH1	RCC		20,500.00	0		CIRCULATE BOTTOMS UP THROUGH GAS BUSTER
19:30	1.50	MNH1	RCC		20,500.00	0		DROP FIRST 1.25" PHENOLIC BALL @19:31, PUMP DOWN TO BALL SEAT
21:00	3.00	MNH1	RCC		20,500.00	0		PRESSURE UP TO 2450 PSI TO SET HANGER, SLACK OFF WEIGHT TO 50K, PRESSURE UP TO 3900 PSI TO BLOW SEAT OUT, HANGER SLIPPED AND OBSERVED WEIGHT GAINED. REPEAT SETTING PROCEDURE THREE TIMES. FAILED.  TROUBLE SHOUT. STAGE UP PRESSURE AND CYCLE DOWN PRESSURE. OBSERVED WEIGHT LOSS. RESTABLISHED CIRUCLATION SUCESSFULLY. SHUT DOWN PUMP AND SLACK OFF WEIGHT TO 50 KLB. HANGER IS SET.  SHOE DEPTH @ 20482', TOL @11,108'
<b>Total</b>	<b>24.00</b>							

## NPT Summary

Start Date/Time	Responsible Company	NPT Code	Failure MD (ft)	Ops Code	Type*	Equipment Type	Net time (hr)	Gross time (hr)	Severity	Status
08/16/2017 00:30	PRECISION DRILLING COMPANY LP	Rig/Work Unit Misc	20,500.00	CLR	EN	Rig Generator	1.50	1.50		OPEN
<b>Description:</b> RIG GENERATOR WENT DOWN. LOST POWER UNTIL RESOLVED						<b>Title:</b> LOST POWER				
							<b>Total</b>	<b>1.50</b>	<b>1.50</b>	

## Deepest 5 Surveys

MD (ft)	Inc. (°)	Azi. (°)	TVD (ft)	N/S (ft)	E/W (ft)	V.Sec (ft)	DLeg (°/100ft)	Tool
20,184.00	87.42	161.91	11,716.43	-7,704.61	2,970.60	8,228.55	5.88	PTW MWD_2016
20,274.00	88.48	163.03	11,719.65	-7,790.37	2,997.69	8,318.47	1.71	PTW MWD_2016
20,363.00	89.73	163.69	11,721.04	-7,875.63	3,023.18	8,407.45	1.59	PTW MWD_2016
20,449.00	90.20	162.83	11,721.09	-7,957.98	3,047.95	8,493.45	1.14	PTW MWD_2016
20,500.00	90.20	162.83	11,720.91	-8,006.71	3,063.00	8,544.44	0.00	PTW MWD_2016

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## Fluid Details

Mud type	Invermul	Oil/Water (%)	56.80/14.50	POM (cc)	3.24 522.0
MD (ft)	20,500.00	TS/HGS/LGS (%)	27.00//	CaCl2 (%)	
Mud Density (ppg)	13.70	Sand (%)	0.00	Caom/Clom (ppm)	
Vis (s/qt)	62.00	Oil/Water Ratio (%)	79.60/20.40	ACT	
PV/YP (cp/lbf/100ft <sup>2</sup> )	27.00/11.000	LCM (lbm/bbl)		XS Lime(lbm/bbl)	
Gels 10 s/m (lbf/100ft <sup>2</sup> )	7.000/12.000	ECD (ppg)	13.700	ES (Volts)	
API/HTHP WL (cc/30min)	0.0/	H2S (gas unit)		R600/300 (°)	
FC/HTHP FC (32nd")	0.0/4.0	KCl (%)		R200/100 (°)	
WPS (ppm)	280,696			R6/3 (°)	
FL temp. (°F)					
		Ditch Magnet in Last 24hrs/Cum. (gm)			

## Remarks

DIESEL ON LOCATION: 10095 GAL  
DIESEL DELIVERED: 0 GAL  
DIESEL USED: 1356 GAL  
LNG USED: 62.69 GAL