

## EP WELLS DAILY OPERATIONS REPORT

Report 24

07/01/2017

Company	PERMIAN
Well Type	Development
Well	UNIVERSITY 19 PW UNIT 1406H
Wellbore	UNIVERSITY 19 PW UNIT 1406H
WBS No/API No	30264949 / 4230133213.00

## Event Summary

Event Type	Drilling only	Event Start Date	04/26/2017	Days on Location	23.54
Objective	Drill - Wolfcamp B1 Shale	Original Spud Date	04/30/2017	Days Since Spud	19.00
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)	19,615.00
Engineer	YERMEK TYNYSHBAYEV	TVD(ft)	11,698.50
Other Supervisor	DENNIS JOHNSON / JIM BROWN	24 Hr Progress(ft)	0.00
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,793.00 / 2,767.00	Hole size(in)	6.125
THF Datum			
Daily NPT(hr/%)	24.00/100.00	Last Casing MD	7.000in@11,968.00ft
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	4.500in@19,578.00ft
Actual cost to date/AFE	2,105,000/2,664,436.41	Current MW / BH EMW(ppg)	/
Actual divided by AFE	0.79	LOT/FIT EMW(ppg)	
Daily Cost	42,688	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	262	TRCF LWCF Safety Cards - Safe Safety Card - Unsafe SSE% Last casing pressure(psi)	
Safety Comments:							
MAN HOURS: 295							

## HSE Drills

Drills/Tests	Date	Days Since Last	JSA's/Toolbox Talks Days Since Last Drill	6
Last Derrick Inspection	06/15/2017	16		
Last BOP function test	06/15/2017	16		
Last BOP Test	07/06/2017			
Next BOP Test				

## Operations Summary

24 Hour Summary
COMPLETE TRIP OUT w/ BACKOFF, P/U JARRING ASSEMBLY, TIH- SPACE OUT & SCREW IN, JAR, ESTABLISH CIRCULATION & ROTATION, REAM OUT TO 15,854'.
Update Since Report Time
05:00= POOH TO 10,700', L/D JARRING ASSEMBLY.
24 Hour Forecast
REAM BACK THROUGH 13,000', 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	WTR		19,615.00	1		NPT: POOH w/ BACK OFF f/ 6929' ~ 6050'.
0:30	0.50	MNH1	WTR		19,615.00	1		NPT: LOSS OF POWER, POWER UP & RESET GENERATORS.
1:00	2.00	MNH1	WTR		19,615.00	1		NPT: POOH f/ 6050' ~ SURFACE. *FUNCTION BLIND RAMS.
3:00	0.50	MNH1	SVC		19,615.00	1		NPT: SERVICE RIG.
3:30	0.50	MNH1	WTR		19,615.00	1		NPT: CLEAN FLOOR & STRAP TOOLS.
4:00	3.00	MNH1	WTR		19,615.00	1		PJSM, P/U JARRING ASSEMBLY.
7:00	4.00	MNH1	WTR		19,615.00	1		NPT: TIH, TAG TOP, SPACE OUT, SCREW IN & TORQUE STRING/
11:00	5.50	MNH1	WTR		19,615.00	1		NPT: JAR DOWN (-)
16:30	0.50	MNH1	SSD		19,615.00	1		NPT: PAUSE & CONDUCT DROPS INSPECTION.
17:00	0.50	MNH1	WTR		19,615.00	1		NPT: JAR UP 450K (-)
17:30	0.50	MNH1	WTR		19,615.00	1		NPT: S/O TO N (180K), STAGE UP PUMPS & ESTABLISH CIRCULATION, ESTABLISH ROTATION & WORK PIPE FREE.
18:00	6.00	MNH1	WTR		19,615.00	1		NPT: REAM & CIRCULATE OUT TO 15,850'. 60 RPM, 14K TQ LIMIT, 300 GPM @ 4500 PSI.
<b>Total</b>	<b>24.00</b>							

## Deepest 5 Surveys

MD (ft)	Inc. (°)	Azi. (°)	TVD (ft)	N/S (ft)	E/W (ft)	V.Sec (ft)	DLeg (°/100ft)	Tool
19,471.00	90.11	164.42	11,698.26	-7,402.02	1,913.01	7,641.41	0.43	PTW MWD+HDGM_2016
19,565.00	89.81	165.41	11,698.33	-7,492.77	1,937.47	7,735.39	1.10	PTW MWD+HDGM_2016
19,565.00	89.81	165.41	11,698.34	-7,492.95	1,936.27	7,735.22	1.10	PTW MWD+HDGM_2016
19,615.00	89.81	165.41	11,698.50	-7,541.16	1,950.07	7,785.37	0.00	PTW MWD+HDGM_2016
19,615.00	89.81	165.41	11,698.51	-7,541.34	1,948.87	7,785.20	0.00	PTW MWD+HDGM_2016

## Fluid Details

Mud type	Invermul	Oil/Water (%)	POM (cc)
MD (ft)		TS/HGS/LGS (%)	CaCl2 (%)
Mud Density (ppg)		Sand (%)	Caom/Clom (ppm)
Vis (s/qt)		Oil/Water Ratio (%)	ACT
PV/YP (cp/lbf/100ft²)		LCM (lbm/bbl)	XS Lime(lbm/bbl)
Gels 10 s/m (lbf/100ft²)		ECD (ppg)	ES (Volts)
API/HTHP WL (cc/30min)		H2S (gas unit)	R600/300 (°)
FC/HTHP FC (32nd")		KCl (%)	R200/100 (°)
WPS (ppm)			R6/3 (°)
FL temp. (°F)		Ditch Magnet in Last 24hrs/Cum. (gm)	

## Gas Concentrations and Fluid Losses

Avg Connection Gas (gas unit)	Avg. trip gas (gas unit)	Losses Last 24 Hours/Cumulative...
Max. connection gas (gas unit)	Max. trip gas (gas unit)	Surface Losses (bbl) /0.00
Avg. background gas (gas unit)	Avg H2S Gas (gas unit)	Sub Surface Losses (bbl) /0.00
Max. background gas (gas unit)	Max H2S Gas (gas unit)	Total Losses 0.00/0.00
		End vol. (bbl) 0.00

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Bulks Summary

Product	Quantity Onboard	Units	Daily Usage
Diesel	-2,734.00	GAL	1,367.00
Other	-0.04	MCF	0.02