

EP WELLS DAILY OPERATIONS REPORT

Report 26

07/03/2017

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	25.54
Objective	Drill - Wolfcamp B1 Shale	Original Spud Date	04/30/2017	Days Since Spud	21.00
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)	
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	2,223,325/2,664,436.41	Current MW / BH EMW(ppg)	/
Actual divided by AFE	0.83	LOT/FIT EMW(ppg)	
Daily Cost	43,401	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 GOAL ZERO DAYS PS BARRIER EVENT PS barrier bowtie review	10/12/2016	264	TRCF LWCF Safety Cards - Safe Safety Card - Unsafe SSE% Last casing pressure(psi)	
Safety Comments:							
NO ACCIDENTS OR INCIDENTS REPORTED.							
MAN HOURS: 324							

HSE Drills

Drills/Tests	Date	Days Since Last		
Last Derrick Inspection			JSA's/Toolbox Talks Days Since Last Drill	8
Last BOP function test	06/15/2017	18		
Last BOP Test	06/15/2017	18		
Next BOP Test	07/06/2017			

Operations Summary

24 Hour Summary
REAM f/ 17,306' ~ 19,615'. RAISED MW f/ 14.0 ppg ~ 14.2 ppg, CIRCULATE BU, FLOW CHECK (-), CIRCULATE BU,
Update Since Report Time
05:00= ROTATING & PUMPING OUT @ 17,728'.
24 Hour Forecast
POOH, R/U & RUN 4 1/2" LINER.

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Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	3.00	MNH1	WTR		19,615.00	1		NPT: REAM f/ 17,306' ~ 17,747'. 120 rpm w/ 6~ 9K TQ, 320 gpm @ 5800 psi. *UNABLE CLEAR TORQUE IN WELL BORE.
3:00	1.50	MNH1	WTR		19,615.00	1		NPT-DUE TO EXCESSIVE TORQUE, RAISE MW f/ 14.0 ppg ~ 14.2 ppg. RECIPROCATATE STRING 90', ROTATE 130 rpm, 320 gpm @ 5700 psi
4:30	1.50	MNH1	WTR		19,615.00	1		NPT-PULL BACK TO 17,575' & REAM TO 17,932'. 130 rpm w/ 6-9K TQ, 320 gpm @ 5700 psi. S/O 7~14K.
6:00	12.00	MNH1	WTR		19,615.00	1		NPT-NOTICED HOLE TAKING MUD- REDUCED GPM, CONTINUE REAQMING 17,932' ~ 19,365'. 130 rpm w/ 6-9K TQ, 275 gpm @ 4750 psi. S/O= 7~14K.
18:00	3.00	MNH1	WTR		19,615.00	1		NPT-REAMING f/ 19,365' ~ 19,615'. 140 rpm w/ 6-9K TQ, 275 gpm @ 4850 psi. S/O= 15~20K.
21:00	1.00	MNH1	WTR		19,615.00	1		NPT-CIRCULATE BU @ 19,615'. 140 rpm w/ 6-9K TQ, 275 gpm @ 4850 psi. S/O= 15~20K RECIPROCATATE STRING 95'.
22:00	2.00	MNH1	WTR		19,615.00	1		NPT-L/D -S-, 10 MIN FLOW CHECK (-), FILL TRIP TANK & CIRC BU. 140 rpm w/ 6-9K TQ, 275 gpm @ 4850 psi. S/O= 15~20K. RECIPROCATATE STRING 95'.
Total	24.00							

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

Bulks Summary

Product	Quantity Onboard	Units	Daily Usage
Diesel	1,610.00	GAL	1,869.00
Other	-45.65	MCF	32.04