

EP WELLS DAILY OPERATIONS REPORT

Report 27

07/04/2017

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	26.54
Objective	Drill - Wolfcamp B1 Shale	Original Spud Date	04/30/2017	Days Since Spud	22.00
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/%)	23.00/95.83	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	2,268,352/2,664,436.41	Current MW / BH EMW(ppg)	14.20/
Actual divided by AFE	0.85	LOT/FIT EMW(ppg)	
Daily Cost	38,678	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	265	TRCF LWCF Safety Cards - Safe Safety Card - Unsafe SSE% Last casing pressure(psi)	
Safety Comments:	NO ACCIDENTS OR INCIDENTS REPORTED. MAN HOURS: 396 1.5 hr SAFETY PAUSE: ELECTRICAL STORM: 49 STRIKES WITHIN 5 mi.						

HSE Drills

Drills/Tests	Date	Days Since Last		
Last Derrick Inspection	06/15/2017	19	JSA's/Toolbox Talks Days Since Last Drill	9
Last BOP function test	06/15/2017	19		
Last BOP Test	07/06/2017			
Next BOP Test				

Operations Summary

24 Hour Summary
UNABLE TO POOH, REAM OUT f/ 19,615' ~ 13,380', POOH f/ 13,380' ~ BHA (DROP RABBIT @ SHOE), L/D REAMING ASSEMBLY, SAFETY PAUSE- ELECTRICAL STORM, CLEAN RIG FLOOR & R/U EXPRESS CASING EQUIPMENT.
Update Since Report Time
05:00= RUN 2400' (62 jts) of 4 1/2' TXP
24 Hour Forecast
RIH w/ BAKER HANGER ASSEMBLY

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Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	6.00	MNH1	WTR		19,615.00	1		UNABLE TO POOH- MAX PULL: 330K. REAM OUT 19,615'~ 17,283'. 30 RPM, 2 BBLS/MIN. PACKING OFF ISSUES & TIGHT SPOTS. ATTEMPTED TO PULL e/ 10 STDS: 320K & 315K.
6:00	8.50	MNH1	WTR		19,615.00	1		REAMING f/ 17,283' ~ 13,380'. 35 RPM, 4.5 BBLS/MIN.
14:30	6.00	MNH1	TOH		19,615.00	1		POOH f/ 13,380' ~ BHA. DROP 1.9" RABBIT @ SHOE.
20:30	1.00	MNH1	TOH		19,615.00	1		L/D REAMER ASSEMBLY- RECOVERED RABBIT.
21:30	1.50	MNH1	TOH		19,615.00	1		SAFETY PAUSE: ELECTRICAL STORM ~ 49 STRIKES WITHIN 5 mi.
23:00	0.50	MNH1	TOH		19,615.00	0		CLEAN RIG FLOOR.
23:30	0.50	MNH1	RIC		19,615.00	0		R/U EXPRESS CASING EQUIPMENT.
Total	24.00							

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
07/04/2017 21:30	SHELL	Wait On Weather	19,615.00	TOH	N		1.50	1.50		OPEN
Description: ELECTRICAL STORM IN AREA						Title: WAIT ON WEATHER				
Total							1.50	1.50		

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 (%)	56.00/14.00	POM (cc)	1.55 425.0
MD (ft)	19,615.00	TS/HGS/LGS (%)	28.50//	CaCl2 (%)	
Mud Density (ppg)	14.20	Sand (%)	0.20	Caom/Clom (ppm)	
Vis (s/qt)	65.00	Oil/Water Ratio (%)	80.00/20.00	ACT	
PV/YP (cp/lbf/100ft²)	32.00/12.000	LCM (lbm/bbl)		XS Lime(lbm/bbl)	
Gels 10 s/m (lb/100ft²)	9.000/15.000	ECD (ppg)	14.200	ES (Volts)	
API/HTHP WL (cc/30min)	0.0/	H2S (gas unit)		R600/300 (°)	
FC/HTHP FC (32nd")	0.0/5.0	KCl (%)		R200/100 (°)	
WPS (ppm)	253,020			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	674.00	GAL	936.00
Other	-45.65	MCF	