

EP WELLS DAILY OPERATIONS REPORT

Report 23

06/30/2017

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	22.54
Objective	Drill - Wolfcamp B1 Shale	Original Spud Date	04/30/2017	Days Since Spud	18.00
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	2,062,312/2,664,436.41	Current MW / BH EMW(ppg)	14.00/
Actual divided by AFE	0.77	LOT/FIT EMW(ppg)	
Daily Cost	51,228	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	261	TRCF LWCF Safety Cards - Safe Safety Card - Unsafe SSE% Last casing pressure(psi)	
Safety Comments:							
MAN HOURS: 287							

HSE Drills

Drills/Tests	Date	Days Since Last		
Last Derrick Inspection	06/15/2017	15	JSA's/Toolbox Talks	5
Last BOP function test	06/15/2017	15	Days Since Last Drill	
Last BOP Test	07/06/2017			
Next BOP Test				

Operations Summary

24 Hour Summary
REAM TO BOTTOM (19,348' ~ 19,615'), Circ & raise mw F/ 13.8 PPG ~ 14.0 PPG, POOH to 19,140', pump out f/ 19,140' ~ 17,577'. ATTEMPT TO WORK FREE. R/U VES & MAKE BO @ 6,929'. R/D VES.
Update Since Report Time
05:00=POOH & LAY DOWN SHOT JOINT
24 Hour Forecast
P/U BHA (JAR ASSEMBLY), SCREW IN AND JAR DOWN

EP WELLS DAILY OPERATIONS REPORT

Report 23

06/30/2017

Well UNIVERSITY 19 PW UNIT 1406H
Wellbore UNIVERSITY 19 PW UNIT 1406H

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	1.50	MNH1	WTR		19,615.00	1		NPT: REAMING F/ 19,348' T/ 19,615' @ 80 RPM, 275 GPM, 10K WOB.
1:30	1.00	MNH1	WTR		19,615.00	1		NPT: CIRCULATE BU THROUGH GAS BUSTER, MW: 13.8 ppg , 1000 UTS.
2:30	1.50	MNH1	WTR		19,615.00	1		NPT: CIRCULATE BU OVER SHAKERS. MW: 13.8 PPG, 2500 UTS.
4:00	3.50	MNH1	WTR		19,615.00	1		NPT: CIRCULATE RAISE MW 13.8 ppg ~ 14.0 ppg.
7:30	4.00	MNH1	WTR		19,615.00	1		NPT: POOH f/ 19,615' ~ 19,140'. PUMP OUT f/ 19,140' ~ 17,577'.
11:30	7.50	MNH1	WTR		19,615.00	1		NPT: ATTEMPT TO FREE PIPE @ 17,577'.
19:00	2.50	MNH1	WTR		19,615.00	1		NPT: PJSM w/ VOS, BLOW DOWN TDS, B/O WL ENTRY ON TDS GOOSENECK, HANG SHEEVES M/U TOOLS.
21:30	1.50	MNH1	WTR		19,615.00	1		NPT: RIH w/ STRING SHOT COLLAR LOCATOR, PULL N (133k w/ TDS) , INSTALL 26 WRAPS I (16k L Tq). FIRE SHOT (+), POOH. * TOF @ 6929'.
23:00	1.00	MNH1	WTR		19,615.00	1		NPT: R/D VES WL.
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 (%)	54.50/16.00	POM (cc)	
MD (ft)	19,615.00	TS/HGS/LGS (%)	27.70//	CaCl2 (%)	
Mud Density (ppg)	14.00	Sand (%)	0.20	Caom/Clom (ppm)	
Vis (s/qt)	65.00	Oil/Water Ratio (%)	77.30/22.70	ACT	
PV/YP (cp/lbf/100ft²)	28.00/12.000	LCM (lbm/bbl)		XS Lime(lbm/bbl)	1.68
Gels 10 s/m (lbf/100ft²)	8.000/16.000	ECD (ppg)	14.000	ES (Volts)	418.0
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)	259,729			R6/3 (°)	
FL temp. (°F)		Ditch Magnet in Last 24hrs/Cum. (gm)			