

EP WELLS DAILY OPERATIONS REPORT

Report 28

07/05/2017

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	27.54
Objective	Drill - Wolfcamp B1 Shale	Original Spud Date	04/30/2017	Days Since Spud	23.00
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 MORGAN / 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/%)	0/0	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	2,306,982/2,664,436.41	Current MW / BH EMW(ppg)	/
Actual divided by AFE	0.87	LOT/FIT EMW(ppg)	
Daily Cost	37,045	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	266	TRCF LWCF Safety Cards - Safe Safety Card - Unsafe SSE% Last casing pressure(psi)	
Safety Comments:	NO ACCIDENTS OR INCIDENTS REPORTED. MAN HOURS: 396						

HSE Drills

Drills/Tests	Date	Days Since Last	JSA's/Toolbox Talks Days Since Last Drill	
Last Derrick Inspection	06/15/2017	20	10	
Last BOP function test	06/15/2017	20		
Last BOP Test	07/06/2017			
Next BOP Test				

Operations Summary

24 Hour Summary
R/U EXPRESS CASING EQUIPMENT, RIH W/ 4 1/2" LINER, P/U BAKER ASSEMBLY, RIH W/ 4" XT-39, WASH TO BOTTOM 19,615', CIRC BU, DROP BALL, M/U CEMENTING HEAD, RELEASE TOOL, PJSM & MIX SPACER.
Update Since Report Time
CEMENT WELL, CIP @ 02:13, FCP: 3500, BUMPED 4500 PSI. HELD 5 MIN, BLED 2 1/2 BBLS, FLOATS GOOD. STING OUT & CIRCULATE OUT 24 BBLS GOOD CEMENT. @ 150 BBLS INTERPHASE
24 Hour Forecast
CONDUCT (-) TEST, POOH, CIW SET BPV, N/D & SKID OFF

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Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	0.50	MNH1	RIC		19,615.00	0		R/U EXPRESS CASING EQUIPMENT.
0:30	8.50	MNH1	CLR		19,615.00	0		RIH w/ 4 1/2" LINER (95- 11.6#, P-110, TXP & 75- 11.6#, P-110, HYDRIL 563) TO 8538'.
9:00	0.50	MNH1	CLR		19,615.00	0		P/U BAKER ZXP LINER TOP PACKER ASSEMBLY, FILL PACKOFF w/ SPACER POLYMER, PUMP THROUGH
9:30	1.00	MNH1	CLR		19,615.00	0		R/D EXPRESS CASING EQUIPMENT & CLEAN FLOOR.
10:30	0.50	MNH1	SVC		19,615.00	0		SERVICE TDS & TBA.
11:00	2.00	MNH1	CLR		19,615.00	0		TIH w/ 4" XT-39 f/ 8538' ~ 11,907'. FILL PIPE, BREAK CIRC, STAGE UP PUMP TO 5 bbl/min @ 1930 psi. P/U: 140K, ROT: 135K, S/O: 130K. TQ= 10 rpm @ 2.5K, 20 rpm @ 1.8k, 30 rpm @ 2.0K.
13:00	5.00	MNH1	CLR		19,615.00	0		RUN & WORK 4 1/2" TO BOTTOM @ 19,615.
18:00	0.50	MNH1	CLR		19,615.00	0		SPACE OUT & WASH TO BOTTOM @ 19,615'.
18:30	2.00	MNH1	RCC		19,615.00	0		CIRCULATE BU @ 4 bbl/min w/ 2050 psi.
20:30	1.00	MNH1	RCC		19,615.00	0		DROP 1 1/2" BALL & P/U CEMENTING HEAD.
21:30	0.50	MNH1	RCC		19,615.00	0		PRESSURE UP TO 1800 psi, & RELEASE RUNNING TOOL.
22:00	2.00	MNH1	CEM		19,615.00	0		PJSM & R/U BAKER RED IRON, MIX SPACER.
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

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Bulks Summary

Product	Quantity Onboard	Units	Daily Usage
Diesel	674.00	GAL	
Other	-45.65	MCF	