EP WELLS DAILY OPERATIONS REPORT

Report 27 08/18/2017

Company	PERMIAN
Well Type	Development
Well	UNIVERSITY 19 PW UNIT 1407H
Wellbore	UNIVERSITY 19 PW UNIT 1407H
WBS No/API No	30264950 / 4230133203

Event Summary

Event Type	Drilling only	Event Start Date	05/10/2017	Days on Location	26.13
Objective	Drill - Wolfcamp B1 Shale	Original Spud Date	05/11/2017	Days Since Spud	23.69
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)	20,500.00
Engineer	YERMEK TYNYSHBAYEV	TVD(ft)	11,720.91
Other Supervisor	ASHLEY HRIVNAK	24 Hr Progress(ft)	
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,792.70 / 2,766.70	Hole size(in)	
THF Datum			
Daily NPT(hr/%)	0/0	Last Casing MD	7.000in@12,087.00ft
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	4.500in@20,500.00ft
Actual cost to date/AFE	2,465,134/2,726,365.58	Current MW / BH EMW(ppg)	/
Actual divided by AFE	0.90	LOT/FIT EMW(ppg)	
Daily Cost	73,944	Lithology	
		Formation/MD Top	

HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's	
LWC			PSI			TRCF	
RWC			NII			LWCF	
MTC			HPI			Safety Cards - Safe	
FAC			**GOAL ZERO DAYS**	10/12/2016	310	Safety Card - Unsafe	
Last casing pressure test			**PS BARRIER EVENT**			SSE%	
			PS barrier bowtie review			Last casing pressure(psi)	

Safety Comments:

MAN HOURS: 318

HSE Drills

Drills/Tests	Date	Days Since Last		
Last Derrick Inspection			JSA's/Toolbox Talks	
Last BOP function test	05/14/2017	96	Days Since Last Drill	26
Last BOP Test	05/14/2017	96		
Next BOP Test	06/04/2017			

Operations Summary

24 Hour Summary

TIH T/ 4,600'. POOH L/D DP F/ 4,600' T/ SURFACE. TIH T/ 4,130'. L/D DRILL PIPE F/ 4,130' T/ SURFACE. PULLED BIT GUIDE AND SET BPV. UNABLE TO PULL BIT GUIDE. SET BPV THROUGH BIT GUIDE. N/D BOP, CHOKE LINE, KILL LINE, FLOW LINE, ORBIT VALVE, ROT HEAD ASSEMBLY LINES, AND TURN BUCKLES. REMOVED BIT GUIDE. INSTALL TA CAP. RELEASED FROM WELL @ 18:00 T/ NYALA 53-2-5 LOV E UNIT 6H.

Update Since Report Time

24 Hour Forecast

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Wellbore UNIVERSITY 19 PW UNIT 1407H

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	1.50	MNH1	TOH		20,500.00	0		TIH T/ 4,600'.
1:30	3.00	MNH1	TOH		20,500.00	0		POOH L/D DP F/ 4,600' T/ SURFACE.
4:30	1.50	MNH1	TOH		20,500.00	0		TIH T/ 4,130'.
6:00	4.00	MNH1	TOH		20,500.00	0		L/D DRILL PIPE F/ 4,130' T/ SURFACE.
10:00	3.00	MNH1	RDP		20,500.00	0		PULL BIT GUIDE AND SET BPV. UNABLE TO PULL BIT GUIDE. SET BPV THROUGH BIT GUIDE.
13:00	3.50	MNH1	RDP		20,500.00	0		N/D BOP, CHOKE LINE, KILL LINE, FLOW LINE, ORBIT VALVE, ROT HEAD ASSEMBLY LINES, AND TURN BUCKLES.
16:30	1.50	MNH1	WHD		20,500.00	0		REMOVE BIT GUIDE. INSTALL TA CAP. RELEASE FROM WELL @ 18:00 T/ NYALA 53-2-5 LOV E UNIT 6H.
Total	**18.00**							

Deepest 5 Surveys

MD (ft)	Inc. (°)	Azi. (°)	TVD (ft)	N/S (ft)	E/W (ft)	V.Sec (ft)	DLeg (°/100ft)	Tool
20,184.00	87.42	161.91	11,716.43	-7,704.61	2,970.60	8,228.55	5.88	PTW MWD_2016
20,274.00	88.48	163.03	11,719.65	-7,790.37	2,997.69	8,318.47	1.71	PTW MWD_2016
20,363.00	89.73	163.69	11,721.04	-7,875.63	3,023.18	8,407.45	1.59	PTW MWD_2016
20,449.00	90.20	162.83	11,721.09	-7,957.98	3,047.95	8,493.45	1.14	PTW MWD_2016
20,500.00	90.20	162.83	11,720.91	-8,006.71	3,063.00	8,544.44	0.00	PTW MWD_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)				XS Lime(lbm/bbl)	
Gels 10 s/m (lbf/100ft²)		LCM (lbm/bbl)		ES (Volts)	
API/HTHP WL (cc/30min)		ECD (ppg)		R600/300 (°)	
FC/HTHP FC (32nd")		H2S (gas unit)		R200/100 (°)	
WPS (ppm)		KCl (%)		R6/3 (°)	
FL temp. (°F)		Ditch Magnet in Last 24hrs/Cum. (gm)			

Remarks

DIESEL ON LOCATION: 8,833 GAL
DIESEL DELIVERED: 0 GAL
DIESEL USED: 527 GAL
LNG USED: 0 GAL