

## EP WELLS DAILY OPERATIONS REPORT

Report 8

06/15/2017

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	7.54
Objective	Drill - Wolfcamp B1 Shale	Original Spud Date	04/30/2017	Days Since Spud	3.00
Est. Days	25.00	Contractor	PRECISION		
Work Unit	PRECISION 559	Days To Release			
		Rig Phone/FAX No.			

## Well Status

Supervisor	DENNIS MORGAN	Measured Depth(ft)	4,936.00
Engineer	YERMEK TYNYSHBAYEV	TVD(ft)	4,915.96
Other Supervisor	TANNER MANUEL / YU LIU	24 Hr Progress(ft)	
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,793.00 / 2,767.00	Hole size(in)	
THF Datum			
Daily NPT(hr/%)	0/0	Last Casing MD	20.000in@146.00ft
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	9.625in@4,921.00ft
Actual cost to date/AFE	754,882/2,664,436.41	Current MW / BH EMW(ppg)	/
Actual divided by AFE	0.28	LOT/FIT EMW(ppg)	
Daily Cost	101,420	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 <b>GOAL ZERO DAYS</b> <b>PS BARRIER EVENT</b> <b>PS barrier bowtie review</b>	10/12/2016	246	TRCF LWCF Safety Cards - Safe Safety Card - Unsafe SSE% Last casing pressure(psi)	
Safety Comments:							
MAN HRS: 351							

## HSE Drills

Drills/Tests	Date	Days Since Last		
Last Derrick Inspection	06/15/2017	0	JSA's/Toolbox Talks	7
Last BOP function test	06/15/2017	0	Days Since Last Drill	
Last BOP Test	07/06/2017			
Next BOP Test				

## Operations Summary

24 Hour Summary
REMOVE 2 SUIT CASES. WALK RIG F/ UNIVERSITY 19 I 0909H - T/ UNIVERSITY 19 PW UNIT 1406H. INSTALL & TEST CAMERON BOP QUICK CONNECT. TEST BOPS (BOTH 4" & 5" DP). INSTALL WEAR BUSHING.
Update Since Report Time
P/U BHA & TIH. DRILL OUT DV TOOL @ 1171'.
24 Hour Forecast
FINISH TIH. DRILL OUT SHOE TRACK. DRILL INTERMEDIATE SECTION.

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## Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
5:00	1.00	INT1	WLK		4,936.00	0		PJSM ON REMOVING SUIT CASES. PREPARE TO WALK RIG.
6:00	3.50	INT1	WLK		4,936.00	0		R/D & REMOVE TWO SUIT CASES. WALK RIG OVER WELL.
9:30	2.00	INT1	RUP		4,936.00	0		INSTALL CAMERON SPEED HEAD ON BOP & TEST TO 10,000 PSI FOR 10 MIN.
11:30	2.00	INT1	RUP		4,936.00	0		HOOK UP POWER T/ LER HOUSE. INSTALL MUD LINES F/ SUIT CASE - T/ SUB. HOOK UP ALL KOOMEY LINES. INSTALL OVERBOARD LINES. RUN TRANSFER LINES F/ TRANSFER TANK - T/ ACTIVE PITS. ADD EXTENSION ON FLARE LINE & PANIC LINE. WALK CATWALK. RUN CLIMBING ASSIST LINE.
13:30	4.50	INT1	BOP		4,936.00	0		PJSM ON TESTING BOPS. R/U FRONTIER TESTERS. TEST BOPS. (TEST BOTH 4" & 5" DP.)
18:00	4.00	INT1	BOP		4,936.00	0		CONTINUE TESTING BOPS. (TEST BOTH 4" & 5" DP.)
22:00	0.50	INT1	BOP		4,936.00	0		R/D BOP TESTERS.
22:30	0.50	INT1	PUP		4,936.00	0		INSTALL WEAR BUSHING.
23:00	1.00	INT1	BHA		4,936.00	0		P/U & BREAK OUT MWD TOOL CARRIER & L/D.
<b>Total</b>	<b>19.00</b>							

## Deepest 5 Surveys

MD (ft)	Inc. (°)	Azi. (°)	TVD (ft)	N/S (ft)	E/W (ft)	V.Sec (ft)	DLeg (°/100ft)	Tool
4,527.00	3.14	328.31	4,507.33	324.04	-221.05	-373.06	1.06	PTW MWD+HDGM_2016
4,705.00	2.32	341.91	4,685.13	331.62	-224.73	-381.36	0.58	PTW MWD+HDGM_2016
4,705.00	2.32	341.91	4,685.13	331.61	-224.63	-381.33	0.58	PTW MWD+HDGM+AXIAL_2016
4,863.00	2.21	353.19	4,843.01	337.68	-226.08	-387.56	0.29	PTW MWD+HDGM_2016
4,863.00	2.21	353.19	4,843.01	337.68	-225.99	-387.53	0.29	PTW MWD+HDGM+AXIAL_2016

## Fluid Details

Mud type	NaCl Brine	Oil/Water (%)	pH/Pm (cc)
MD (ft)		TS/HGS/LGS (%)	
Mud Density (ppg)		Sand (%)	
Vis (s/qt)		MBT (lbm/bbl)	
PV/YP (cp/lbf/100ft²)		LCM (lbm/bbl)	
Gels 10 s/m (lbf/100ft²)		ECD (ppg)	R600/300 (°)
API/HTHP WL (cc/30min)		H2S (gas unit)	R200/100 (°)
FC/HTHP FC (32nd")		KCl (%)	R6/3 (°)
FL temp. (°F)		Ditch Magnet in Last 24hrs/Cum. (gm)	

## Remarks

DIESEL ON LOCATION: 13371 GAL  
DIESEL DELIVERED: GAL  
DIESEL USED: 487 GAL  
LNG USED: 251.12 GAL