

EP WELLS DAILY OPERATIONS REPORT

Report 29

07/06/2017

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	28.54
Objective	Drill - Wolfcamp B1 Shale	Original Spud Date	04/30/2017	Days Since Spud	24.00
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)	19,615.00
Engineer	YERMEK TYNYSHBAYEV	TVD(ft)	11,698.50
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)	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@19,615.00ft
Actual cost to date/AFE	2,624,298/2,664,436.41	Current MW / BH EMW(ppg)	/
Actual divided by AFE	0.98	LOT/FIT EMW(ppg)	
Daily Cost	277,768	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	267	TRCF LWCF Safety Cards - Safe Safety Card - Unsafe SSE% Last casing pressure(psi)	
Safety Comments:							
MAN HRS: 387							

HSE Drills

Drills/Tests	Date	Days Since Last		
Last Derrick Inspection	06/15/2017	21	JSA's/Toolbox Talks	11
Last BOP function test	06/15/2017	21	Days Since Last Drill	
Last BOP Test	07/06/2017			
Next BOP Test				

Operations Summary

24 Hour Summary
CEMENT 4.5" LINER. DISPLACE WELL WITH 10PPG BRINE (24BBLS OF CEMENT TO SURFACE). PERFORM POSITIVE & NEGATIVE PRESSURE TEST. (NO FLOW) POOH & L/D HANGER RUNNING TOOL. TOP DRIVE UPGRADE.
Update Since Report Time
FINISH TOPDRIVE UPGRADE. WALK RIG T/ UNIVERSITY 19 I 0909H. INSTALL SUITCASE.
24 Hour Forecast
TEST BOPS. P/U LATERAL BHA. TIH. DISPLACE WELL WITH OBM WHILE DRILLING OUT SHOE TRACK. DRILL LATERAL.

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Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	2.50	MNH1	CEM		19,615.00	0		HELD PJSM WITH CEMENTERS. CEMENT 4.5" LINER. TEST LINES T/8800 PSI. PUMP 50 BBL ULTRA FLUSH HV SPACER @ 4 BPM. PUMP CEMENT @ 3 BPM: 176 BBLS, 820 SKS OF 14.5# 50:50:2 PREMIUM CLASS H CEMENT. DROP PLUG AND START DISPLACEMENT. DISPLACE W/ 20 BBL OF FRESH WATER @ 4 BPM DISPLACE W/ 100 BBL OF 10.0# BRINE @ 4 BPM DISPLACE W/ 20 BBL OF FRESH WATER @ 4 BPM DISPLACE W/ 103 BBL OF 14.2# OBM @ 4 BPM BUMP PLUG TEST CASING T/ 4500 PSI FOR 30 MIN. GOOD TEST. BLED BACK 2.5 BBL. FLOATS HELD.
2:30	0.50	MNH1	LCH		19,615.00	0		RIG DOWN CEMENT LINES & CEMENT HEAD
3:00	1.00	MNH1	LCH		19,615.00	0		CIRCULATE BTMS UP & CIRCULATE OUT CEMENT FROM TOP OF LINER. 24 BBLS OF CEMENT TO SURFACE.
4:00	0.50	MNH1	SLP		19,615.00	0		PERFORM POSITIVE PRESSURE TEST ON PACKOFF & LINER T/ 2500 PSI.
4:30	1.50	MNH1	SLP		19,615.00	0		DISPLACE HOLE W/ 10PPG BRINE. HOLDING CONSTANT BHP THROUGH CHOKES.
6:00	1.00	MNH1	SLP		19,615.00	0		PERFORM NEGATIVE PRESSURE TEST. OPEN WELL. CHECK FOR FLOW. (NO FLOW).
7:00	4.00	MNH1	TOH		19,615.00	0		POOH F/ 11039 - T/ HANGER RUNNING TOOL.
11:00	0.50	MNH1	TOH		19,615.00	0		BREAK OUT & L/D HANGER RUNNING TOOL
11:30	0.50	MNH1	RDP		19,615.00	0		M/U WEAR BUSHING RETREIVAL TOOL. REMOVE WEAR BUSHING.
12:00	0.50	MNH1	RDP		19,615.00	0		INSTALL BPV.
12:30	3.50	RIGM	RGD		19,615.00	0		RIG DOWN & PREP TO WALK.
16:00	2.00	RIGM	RGD		19,615.00	0		TOP DRIVE UPGRADE.
18:00	6.00	RIGM	RGD		19,615.00	0		CONTINUE TOP DRIVE UPGRADE.
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)			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)	

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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

Bulks Summary

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

Remarks

DIESEL ON LOCATION: GAL
DIESEL DELIVERED: 7,205 GAL
DIESEL USED: GAL
LNG USED: GAL