

EP WELLS DAILY OPERATIONS REPORT

Report 23

08/26/2017

Company	PERMIAN
Well Type	Development
Well	UNIVERSITY 19 PW UNIT 1404H
Wellbore	UNIVERSITY 19 PW UNIT 1404H
WBS No/API No	30265150 / 4230133215.00

Event Summary

Event Type	Drilling only	Event Start Date	06/16/2017	Days on Location	22.00
Objective	Drill - Wolfcamp B1 Shale	Original Spud Date	06/17/2017	Days Since Spud	19.67
Est. Days	22.00	Contractor	ENSIGN		
Work Unit	ENSIGN 775	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	STEVE SLOOP	Measured Depth(ft)	21,139.00
Engineer	BRANDON FOOTE	TVD(ft)	11,610.17
Other Supervisor	JOHNNIE BRASSELL	24 Hr Progress(ft)	0.00
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,800.10 / 2,772.10	Hole size(in)	6.125
THF Datum			
Daily NPT(hr/%)	0/0	Last Casing MD	4.500in@21,134.00ft
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	
Actual cost to date/AFE	2,267,731/2,770,860.00	Current MW / BH EMW(ppg)	/
Actual divided by AFE	0.82	LOT/FIT EMW(ppg)	
Daily Cost	6,508	Lithology	
		Formation/MD Top	

HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's	
LWC RWC MTC FAC Last casing pressure test	06/19/2017		PSI NII HPI GOAL ZERO DAYS PS BARRIER EVENT PS barrier bowtie review	09/29/2015	697	TRCF LWCF Safety Cards - Safe Safety Card - Unsafe SSE% Last casing pressure(psi)	1500
Safety Comments:							

HSE Drills

Drills/Tests	Date	Days Since Last		
Last Derrick Inspection	08/21/2017	5	JSA's/Toolbox Talks	7
Last BOP function test	08/07/2017	19	Days Since Last Drill	
Last BOP Test	08/28/2017			
Next BOP Test				

Operations Summary

24 Hour Summary
TOH T/ LINER RUNNING TOOL, L/D RUNNING TOOL, PAUSE PULL BIT GUIDE INST JP2 BPV & TEST, BACK OFF WELL HEAD SPEED ADP LIFT STACK NOTE: RELEASED FROM 1404H @ 02:00 8/26/17
Update Since Report Time
24 Hour Forecast

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Wellbore UNIVERSITY 19 PW UNIT 1404H

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	0.50	MNH1	TOH		21,139.00	0		TOH T/ LINER RUNNING TOOL
0:30	0.50	MNH1	TOH		21,139.00	0		LAY DOWN RUNNING TOOL
1:00	0.50	MNH1	BOP		21,139.00	0		PAUSE PULL BIT GUIDE, INST JP2 BPV & TEST
1:30	0.50	MNH1	BOP		21,139.00	0		BACK OFF WELL HEAD SPEED ADP LIFT STACK NOTE: RELEASED FROM 1404H @ 02:00 8/26/17
Total	2.00							

Deepest 5 Surveys

MD (ft)	Inc. (°)	Azi. (°)	TVD (ft)	N/S (ft)	E/W (ft)	V.Sec (ft)	DLeg (°/100ft)	Tool
20,880.00	93.09	158.33	11,623.30	-8,915.51	2,490.88	9,256.90	0.57	PTW MWD+HDGM_2016
20,974.00	93.07	158.79	11,618.25	-9,002.88	2,525.19	9,350.30	0.49	PTW MWD+HDGM_2016
21,068.00	92.98	157.79	11,613.29	-9,090.09	2,559.91	9,443.67	1.07	PTW MWD+HDGM_2016
21,091.00	92.43	158.08	11,612.20	-9,111.38	2,568.54	9,466.50	2.70	PTW MWD+HDGM_2016
21,139.00	92.43	158.08	11,610.17	-9,155.87	2,586.44	9,514.18	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)	

PUMP/HYDRAULIC DATA

Pump No.	Type	Make/Model	Stroke (in)	Liner size (in)	Efficiency (%)	Pressure (psi)	SPM (spm)	Output (gpm)	Kill SPM/Pressure/Depth (spm/psi/ft)
1		GARDENER-DENVER / PZ-11-1600	11.00						
2		GARDENER-DENVER / PZ-11-1600	11.00						