

EP WELLS DAILY OPERATIONS REPORT

Report 4

06/22/2017

Company	PERMIAN
Well Type	Development
Well	UNIVERSITY 19 D 0904H
Wellbore	UNIVERSITY 19 D 0904H
WBS No/API No	30265147 / 4230133226.00

Event Summary

Event Type	Drilling only	Event Start Date	06/19/2017	Days on Location	3.56
Objective	Drill - Wolfcamp B1 Shale	Original Spud Date	06/19/2017	Days Since Spud	3.19
Est. Days	21.00	Contractor	ENSIGN		
Work Unit	ENSIGN 775	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	STEVE SLOOP	Measured Depth(ft)	4,912.00
Engineer	POWER CHARLES	TVD(ft)	4,879.63
Other Supervisor	TREVOR KELLEY	24 Hr Progress(ft)	
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,799.10 / 2,771.10	Hole size(in)	12.250
THF Datum			
Daily NPT(hr/%)	0/0	Last Casing MD	20.000in@150.00ft
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	9.625in@4,912.00ft
Actual cost to date/AFE	341,379/2,503,951.00	Current MW / BH EMW(ppg)	/
Actual divided by AFE	0.14	LOT/FIT EMW(ppg)	
Daily Cost	53,555	Lithology	
		Formation/MD Top	

HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's	
LWC RWC MTC FAC Last casing pressure test	06/23/2017		PSI NII HPI GOAL ZERO DAYS PS BARRIER EVENT PS barrier bowtie review	09/29/2015	632	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 Last BOP function test Last BOP Test Next BOP Test			JSA's/Toolbox Talks Days Since Last Drill	3

Operations Summary

24 Hour Summary
R/U LANDING JOINT, FILL CSG. CIRC 1 CSG VOL & WASH DOWN. B/O LANDING JT & L/D SAME M/U CMT HEAD. READY RIG TO WALK SAME TO UNIVERSITY 19 PW UNIT 1403H. RELEASED FROM UNIVERSITY 19 D 0904H AT 0300AM
Update Since Report Time
24 Hour Forecast

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Wellbore UNIVERSITY 19 D 0904H

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	0.50	SRF1	CLR		4,912.00	0		R/U LANDING JOINT, FILL CSG. CIRC 1 CSG VOL & WASH DOWN.
0:30	0.50	SRF1	CLR		4,912.00	0		B/O LANDING JT & L/D SAME M/U CMT HEAD.
1:00	2.00	SRF1	WLK		4,912.00	0		READY RIG TO WALK SAME TO UNIVERSITY 19 PW UNIT 1403H. RELEASED FROM UNIVERSITY 19 D 0904H AT 0300AM MIX & PUMP CMT OFF LINE AS FOLLOWED 50BBLS FW 780BBLS LEAD CMT @ 12.8PPG 129BBLS TAIL CMT @ 14.8 DROP PLUG DISP W/ 363 BBLS BRINE PLUG BUNP, FLOATS HELD, TEST CSG T/1500PSI 30MINS, FULL RETURNS EST 300BBLS CMT BACK DURING JOB.
Total	3.00							

Deepest 5 Surveys

MD (ft)	Inc. (°)	Azi. (°)	TVD (ft)	N/S (ft)	E/W (ft)	V.Sec (ft)	DLeg (°/100ft)	Tool
3,826.00	4.61	170.53	3,800.49	-400.61	-74.80	407.50	0.51	PTW MWD+HDGM_2016
4,005.00	6.16	182.67	3,978.70	-417.30	-74.07	423.82	1.07	PTW MWD+HDGM_2016
4,184.00	7.48	189.18	4,156.44	-438.39	-76.37	445.00	0.85	PTW MWD+HDGM_2016
4,362.00	6.71	192.58	4,333.07	-459.98	-80.48	466.97	0.49	PTW MWD+HDGM_2016
4,541.00	6.36	187.13	4,510.91	-480.03	-83.99	487.32	0.40	PTW MWD+HDGM_2016

Fluid Details

Mud type	NaCl Brine	Oil/Water (%)	pH/Pm (cc)
MD (ft)		TS/HGS/LGS (%)	
Mud Density (ppg)		Sand (%)	
Vis (s/qt)			
PV/YP (cp/lbf/100ft²)			
Gels 10 s/m (lbf/100ft²)		MBT (lbm/bbl)	Pf/Mf (cc)
API/HTHP WL (cc/30min)		LCM (lbm/bbl)	Ca+ (ppm)
FC/HTHP FC (32nd")		ECD (ppg)	Cl- (ppm)
		H2S (gas unit)	R600/300 (°)
		KCl (%)	R200/100 (°)
			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						

Remarks

FUEL ON LOCATION 17808 GAL
FUEL DELIVERED: 0 GAL
FUEL USED: 211.5 GAL