

EP WELLS DAILY OPERATIONS REPORT

Report 5

07/11/2017

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	2.94
Objective	Drill - Wolfcamp B1 Shale	Original Spud Date	06/19/2017	Days Since Spud	2.56
Est. Days	21.00	Contractor	ENSIGN		
Work Unit	ENSIGN 775	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	TRAMPUS STEWART	Measured Depth(ft)	4,912.00
Engineer	BRANDON FOOTE	TVD(ft)	4,879.97
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)	8.750
THF Datum			
Daily NPT(hr/%)	0/0	Last Casing MD	9.625in@4,879.00ft
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	7.000in@12,236.00ft
Actual cost to date/AFE	473,286/2,503,951.00	Current MW / BH EMW(ppg)	/
Actual divided by AFE	0.19	LOT/FIT EMW(ppg)	
Daily Cost	18,577	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	651	TRCF LWCF Safety Cards - Safe Safety Card - Unsafe SSE% Last casing pressure(psi)	7 4 1500
Safety Comments:							
422 MAN HOURS							

HSE Drills

Drills/Tests	Date	Days Since Last		
Last Derrick Inspection	07/11/2017	0	JSA's/Toolbox Talks	12
Last BOP function test	06/28/2017	13	Days Since Last Drill	4
Last BOP Test	07/19/2017			
Next BOP Test				

Operations Summary

24 Hour Summary
ACCEPT RIG @1800. WALK RIG. N/U BOPS. R/U BACKYARD. INSTALL WEAR BUSHING. P/U BHA.
Update Since Report Time
TIH T/1209'. DRILL OUT DV TOOL. TIH T/4150'. SLIP & CUT 13 WRAPS
24 Hour Forecast
TIH T/ 4813'. DRILL OUT SHOE TRACK. DRILL AHEAD IN INT.

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Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
18:00	1.00	INT1	WLK		4,912.00	0		PJSM. WALK RIG F/ 1404H T/ D 0904H
19:00	0.50	INT1	RUP		4,912.00	0		REMOVE OLD SEAL RING & INSTALL NEW SEAL RING W/ CAMERON
19:30	0.50	INT1	RUP		4,912.00	0		N/U BOP & CENTER STACK WHILE R/U BACKYARD
20:00	1.00	INT1	RUP		4,912.00	0		TEST VOID & SEALS T/10000 PSI F/10 MINS EACH TEST
21:00	1.00	INT1	RUP		4,912.00	0		CONT R/U BACKYARD. SPOT & FUNCTION TEST CATWALK. FUNCTION TEST BOPS.
22:00	0.50	INT1	RUP		4,912.00	0		INSTALL WEAR BUSHING & LOCK DOWN SAME
22:30	1.50	INT1	BHA		4,912.00	0		P/U BHA
Total	6.00							

Deepest 5 Surveys

MD (ft)	Inc. (°)	Azi. (°)	TVD (ft)	N/S (ft)	E/W (ft)	V.Sec (ft)	DLeg (°/100ft)	Tool
4,362.00	6.71	192.58	4,333.08	-460.12	-80.60	467.13	0.49	PTW MWD+HDGM+AXIAL_2016
4,541.00	6.36	187.13	4,510.91	-480.17	-84.10	487.48	0.40	PTW MWD+HDGM+AXIAL_2016
4,541.00	6.36	187.13	4,510.91	-480.03	-83.99	487.32	0.40	PTW MWD+HDGM_2016
4,720.00	5.87	182.64	4,688.90	-499.15	-85.76	506.46	0.38	PTW MWD+HDGM+AXIAL_2016
4,848.00	5.51	176.02	4,816.27	-511.82	-85.63	518.92	0.58	PTW MWD+HDGM+AXIAL_2016

Fluid Details

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

Remarks

FUEL ON LOCATION: 19080 GAL
FUEL USED: 1060 GAL