

EP WELLS DAILY OPERATIONS REPORT

Report 11

07/11/2017

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	11.06
Objective	Drill - Wolfcamp B1 Shale	Original Spud Date	06/17/2017	Days Since Spud	8.73
Est. Days	22.00	Contractor	ENSIGN		
Work Unit	ENSIGN 775	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	TRAMPUS STEWART	Measured Depth(ft)	11,978.00
Engineer	BRANDON FOOTE	TVD(ft)	11,614.90
Other Supervisor	TREVOR KELLEY	24 Hr Progress(ft)	0.00
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,800.10 / 2,772.10	Hole size(in)	8.750
THF Datum			
Daily NPT(hr/%)	0/0	Last Casing MD	7.000in@11,969.00ft
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	4.500in@19,350.00ft
Actual cost to date/AFE	1,171,751/2,770,860.00	Current MW / BH EMW(ppg)	/
Actual divided by AFE	0.42	LOT/FIT EMW(ppg)	
Daily Cost	360,254	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	651	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	07/05/2017	6	JSA's/Toolbox Talks	11
Last BOP function test	06/28/2017	13	Days Since Last Drill	
Last BOP Test	07/19/2017			
Next BOP Test				

Operations Summary

24 Hour Summary
RUN 7" 29# P110 CSG F/3003' T/11936'. M/U HANGER LAND OUT @ 11969'. CIRC & R/U CMT. CMT 7" CSG. L/D CSG LANDING JT, INSTALL PACK OFF PRESS TEST SAME T/5000 PSI F/15 MIN, INSTALL BPV & BIT GUIDE. N/D BOPS. RELEASE @1800. WALK T/ UNIVERSITY 19 D 0904H
Update Since Report Time
24 Hour Forecast

EP WELLS DAILY OPERATIONS REPORT

Report 11

07/11/2017

Well UNIVERSITY 19 PW UNIT 1404H
Wellbore UNIVERSITY 19 PW UNIT 1404H

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	8.00	INT1	CLR		11,978.00	0		PJSM FOR CSG RUN W/ EXPRESS RUN 7" 29# P110 CSG F/3003' T/11936' M/U HANGER LAND OUT @ 11969'
8:00	0.50	INT1	RCC		11,978.00	0		M/U CSG SWEDGE & R/D CSG CREW
8:30	1.50	INT1	RCC		11,978.00	0		CIRC W/ RIG PUMPS, PJSM W/ BAKER & R/U BAKER
10:00	0.50	INT1	RCC		11,978.00	0		REMOVE CSG SWEDGE. INSTALL CMT HEAD & IRON
10:30	3.00	INT1	CEM		11,978.00	0		TEST LINES T/4500 PSI. PUMP 50 BBLS FW. PUMP 180 BBLS LEAD SLURRY @ 11 PPG (C65/35POZ+6% BENTONITE+10% BA-90+5%A-10+1.5% CD-32 +2.5% SMS +3% KCL +1.2%R-3+ .005LB/SK STATIC FREE +.005 GAL/SK FP-6L) PUMP 100 BBLS TAIL SLURRY @ 14.5PPG (H50/50POZ+2% BENTONITE +.6% FL-66+ .35% CD-32+ 35% SMS +.04% R-3 +.005LB/SK STATIC FREE+.01 GAL/SK FP-6L) SHUT DOWN. DROP PLUG. DISPLACE (20 BBLS FRESH WATER + 401 BBLS @ 9.4 PPG BRINE WATER + 20 BBLS FRESH WATER) BUMP PLUG W/ 475 PSI OVER FCP 1650. FLOATS HELD, BLED BACK 2.25 BBLS. TEST CSG T/2500 PSI F/30MIN
13:30	0.50	INT1	LCH		11,978.00	0		PJSM W/ BAKER. R/D CMT HEAD & IRON
14:00	3.50	INT1	LCH		11,978.00	0		L/D CSG LANDING JT, INSTALL PACK OFF PRESS TEST SAME T/5000 PSI F/15 MIN, INSTALL BPV & BIT GUIDE.
17:30	0.50	INT1	RDP		11,978.00	0		REMOVE TURN BUCKLES & RAISE BOP STACK. RELEASE RIG @1800
Total	18.00							

Deepest 5 Surveys

MD (ft)	Inc. (°)	Azi. (°)	TVD (ft)	N/S (ft)	E/W (ft)	V.Sec (ft)	DLeg (°/100ft)	Tool
11,864.00	81.04	160.75	11,609.57	-333.28	-129.54	353.30	13.30	PTW MWD+HDGM_2016
11,867.00	81.04	160.99	11,611.44	-331.83	-134.45	352.93	13.00	PTW MWD+HDGM+AXIAL_2016
11,911.00	87.20	161.00	11,614.39	-377.43	-114.23	393.14	13.12	PTW MWD+HDGM_2016
11,932.00	90.00	161.00	11,614.90	-397.28	-107.40	411.07	13.33	PTW MWD+HDGM_2016
11,970.00	90.00	161.00	11,614.90	-433.21	-95.03	443.51	0.00	PTW MWD+HDGM_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)	

EP WELLS DAILY OPERATIONS REPORT

Report 11

07/11/2017

Well UNIVERSITY 19 PW UNIT 1404H
Wellbore UNIVERSITY 19 PW UNIT 1404H

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						