

EP WELLS DAILY OPERATIONS REPORT

Report 21

06/08/2017

Company	PERMIAN
Well Type	Development
Well	UNIVERSITY 19 PW UNIT 1503H
Wellbore	UNIVERSITY 19 PW UNIT 1503H
WBS No/API No	30265013 / 4230133170

Event Summary

Event Type	Completion only	Event Start Date	04/28/2017	Days on Location	20.00
Objective	Install Completion	Original Spud Date	01/29/2017		
Est. Days	25.00	Contractor	PERMIAN WELL SVC		
Work Unit	PERMIAN COMPLETIONS	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	Tina Grega / Casey Gregersen	Measured Depth(ft)	
Engineer	Justin Midgley	TVD(ft)	
Other Supervisor	Tommy Hurdle	24 Hr Progress(ft)	
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,761.85 / 2,736.20	Hole size(in)	
THF Datum			
Daily NPT(hr/%)	24.00/100.00	Last Casing MD	
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	
Actual cost to date/AFE	1,799,462/4,184,415.00	Current MW / BH EMW(ppg)	/
Actual divided by AFE	0.43	LOT/FIT EMW(ppg)	
Daily Cost	20,542	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			TRCF LWCF Safety Cards - Safe Safety Card - Unsafe SSE% Last casing pressure(psi)	8

Safety Comments:

Total People - 98
Total Hours Worked - 1198
Total Hours driven - 196

Gaol Zero Day 14

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	19

Operations Summary

24 Hour Summary
Fishing Ops on the 1504H.
Update Since Report Time
24 Hour Forecast
Fishing Ops on the 1504H.

EP WELLS DAILY OPERATIONS REPORT

Report 21

06/08/2017

Well UNIVERSITY 19 PW UNIT 1503H
Wellbore UNIVERSITY 19 PW UNIT 1503H

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	6.50	FRAC	OPO			1		Other Pad Ops look at 1504H report. Continue NPT KEANE WL
6:30	0.50	FRAC	OPO			1		Held Pre-Tower Safety Meeting
7:00	11.50	FRAC	OPO			1		Other Pad Ops look at the 1504H report. Continue NPT KEANE WL
18:30	0.50	FRAC	OPO			1		Held Pre-Tower Safety Meeting
19:00	5.00	FRAC	OPO			1		Other Pad Ops look at the 1504H report. Continue NPT KEANE WL
Total	24.00							

06.00 Update

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Description
0:00	1.42	FRAC	OPO			1	Other Pad Ops look at the 1504H report. Continue NPT on KEANE WL
1:25	0.18	FRAC	FRP			0	Prime up pumps and equalize well. Open well at 3940 psi.
1:36	1.73	FRAC	FRT			0	Stage 21 Summary University 19 PW Unit 1503H Interval 15742 - 15877 Open Well Pressure 3,447 psi Max Treating Pressure 9,246 psi Max Slurry Rate 64.7 bpm Average Treating Pressure 8,767 psi Average Slurry Rate 58.4 bpm Breakdown Pressure 7,381 psi Breakdown Rate 26.5 bpm Breakdown Volume 17,850 gal Avg HHP 12,549 hp Final ISIP 5,592 psi Frac Gradient 0.917 psi/ft Pad Volume 20,202 gal Main Body Volume 195,174 gal Flush Volume 26,670 gal 30/50 AZ Sand Pumped 0 lbs 100 Mesh Sand Pumped 424,900 lbs Proppant in Formation 424,900 lbs Avg Proppant Concentration 3.02 lb/gal Max Proppant Concentration 4.00 lb/gal Load to Recover 4,778 bbls Load to Recover w/o Acid 4,897 bbls 15% HCL Spearhead 504 gal Slickwater Fluid Pumped 4,555 bbls 20# Linear Fluid Pumped 80 bbls 20# Crosslink Fluid Pumped 0 bbls Pump down volume 131 bbls pump down rate 12.1 bpm Max pump down pressure 6,250 psi Fluid Temp 72.0 ?F Total Pump Time 1:44 hr:min Pumps Lost During Job 0 Treatment Start Time 1:36 0:00 0:00 Treatment End Time 3:20 0:00 0:00 Diverter Slurry bbls Ramp from 0.5-4.0 PPA. All proppant placed.
3:20	0.03	FRAC	FRT			0	SIW @ 5130 psi. Bleed off pressure.
3:22		FRAC	NOA			1	***START NPT KEANE WL*** Fishing Ops on the 1504H