

**EP WELLS DAILY OPERATIONS REPORT**

Report 25

11/02/2017

Company PERMIAN  
 Well Type Development  
 Well UNIVERSITY 19 PW UNIT 1406H  
 Wellbore UNIVERSITY 19 PW UNIT 1406H  
 WBS No/API No 30266570 / 4230133213.00

**Event Summary**

Event Type	Completion only	Event Start Date	09/03/2017	Days on Location	25.00
Objective	Install Completion	Original Spud Date	04/30/2017		
Est. Days	31.00	Contractor	PERMIAN WELL SVC		
Work Unit	PERMIAN COMPLETIONS	Days To Release			
		Rig Phone/FAX No.			

**Well Status**

Supervisor	Hank Persaud/Brett Oldekamp	Measured Depth(ft)	
Engineer	Alex Villegas	TVD(ft)	
Other Supervisor	Tina Grega / Andrew Veroba	24 Hr Progress(ft)	
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,793.00 / 2,767.00	Hole size(in)	
THF Datum			
Daily NPT(hr/%)	0/0	Last Casing MD	
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	
Actual cost to date/AFE	2,716,816/4,377,702.00	Current MW / BH EMW(ppg)	/
Actual divided by AFE	0.62	LOT/FIT EMW(ppg)	
Daily Cost	29,144	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 <b>GOAL ZERO DAYS</b> <b>PS BARRIER EVENT</b> <b>PS barrier bowtie review</b>			TRCF LWCF Safety Cards - Safe Safety Card - Unsafe SSE% Last casing pressure(psi)
Safety Comments:						
Man hours = 1235hrs						

**HSE Drills**

Drills/Tests	Date	Days Since Last	JSA's/Toolbox Talks Days Since Last Drill
Last Derrick Inspection Last BOP function test Last BOP Test Next BOP Test			24

**Operations Summary**

<b>24 Hour Summary</b>
Cameron replace ring gasket between TBH and LMV .
Update Since Report Time
<b>24 Hour Forecast</b>
Continue frac operations .

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Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	5.50	FRAC	WLT			0		Noted leak at THF to LMV connection. Continue Ops on 0909 well while waiting on Cameron.
5:30	0.50	FRAC	WLT			0		Held safety meeting with crews and Cameron.
6:00	8.75	FRAC	WLT			0		Rig Down Frac Iron and Flow back. ND Crown valve, Goat head and HMV. NU Hydraulic lubricator. Set JP2 BPV and did neg test for one hour while continuing other operations. Installed hanger and two way check. ND Flow Cross, UMV and LMV. Inspected tubing head and LMV with Cameron. Both showed know sign of wash out or damage. Repace ring gasket and NU LMV, UMV and Flow Cross. Install JP2 block.
14:45	0.50	FRAC	WLT			0		Test against JP2 with block and UMV. 5min low and 10min high to 10000psi
15:15	2.75	FRAC	WLT			0		Removed Block from JP2 and NU lubricator. Removed JP2 and closed LMV and UMV. ND lubricator.
18:00	3.25	FRAC	WLT			0		Rig in 2" and 3" flowback and pumpdown standing iron. Fill lines for pressure test. Initial test not passing. Stop and repair leak and grease passing valve. Conduct low and 10,000psi high pressure tests for tree, flowback and pumpdown iron to manifold .
21:15	2.50	FRAC	WLT			0		Hold pause and lift meeting with Frac crew. Rig in standing iron to goat head and pressure test 5 min low and 10 min high to 10000 psi.
23:45	0.25	FRAC	WLT			0		Pressure test complete. Test good
<b>Total</b>	<b>24.00</b>							

06.00 Update

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Description
0:00	0.50	FRAC	WLT			0	Pressure test complete. Test good .
0:30	0.50	FRAC	WLT			0	Open well and pump 11bbl/min for 65 bbls to prove injectivity before wireline run.
1:00	0.75	FRAC	WLT			0	Wait on pad operations
1:45	1.25	FRAC	WLT			0	Pick up lubricator and BOP. Remove night cap. PU guns/plug. Stab lubricator. Fill lubricator. PT lubricator to 1k-8kpsi 5 min low and 10 min high. Open well with 4630 psi. RIH to 200' conduct checks.
3:00	1.25	FRAC	WLT			0	<p>Stage 35 Plug and Perf RIH with (4) 1' Keane guns: 2.75" OD HSC at 6SPF with 60* phased perforating guns and Downhole Technology Boss Hog composite ball-drop frac plug. Tie into liner top @ 11069'. Pump down as follows: 3bpm @ 3900 psi, 11550' 6bpm @ 4000 psi, 11630' 9bpm @ 5200 psi, 11710' Max pressure 6700 psi</p> <p>Set plug @ 13,542ft Perforate as follows: 13,518' – 13,519' 13,474' – 13,475' 13,430' – 13,431' 13,386' – 13,387' Stabilized pressure after perf: 5460psi Pump down volume: 36bbl" POOH and wait on frac.</p>