

**EP WELLS DAILY OPERATIONS REPORT**

Report 55

09/13/2017

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	54.00
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	Mike Johnson	Measured Depth(ft)	
Engineer	Bobby Ramos	TVD(ft)	
Other Supervisor	Warren Horton	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/%)	0/0	Last Casing MD	
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	
Actual cost to date/AFE	4,251,481/4,184,415.00	Current MW / BH EMW(ppg)	/
Actual divided by AFE	1.02	LOT/FIT EMW(ppg)	
Daily Cost	70,938	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:	125 man hours					

**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			53

**Operations Summary**

24 Hour Summary
MU BOP / lube/ and injector after move over from 1504H, MU tools, function test motor
Update Since Report Time
24 Hour Forecast

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Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
19:00	3.75	COIL	RGU			0		<p>Check valve orientation on 1503H, walk lines, open 3" side to closed choke manifold, pressure 0 psi, spin open choke, BD nightcap and LD same, swing over and BD bolts on 15K Quad BOP's on 1504H</p> <p>19:30 Crew maintenance, LOTO pump, crew BDs Quint pump and check valves and seats, seats in good condition, change out rubbers on 7 valves, 4 discharge, 3 suction, change packing on all 5 plungers, MU caps, prime pump, pump ready to go.</p> <p>19:45 PAUSE, outline plan, 12 questions for safe lift, discuss hazards, restrict no go access, lift and swing 15K Quads, lubricator, and injector from 1504H to 1503H and stab same, torque BOP's per spec, swing back over and stab 7-1/16" nightcap on 1504H, torque 6 bolts, that well is ready for Eline/packer work.</p> <p>20:50 BD bowen connection, swing lube to side, lower tools, bit looks a strong fair, BD and bring to trailer, BD tools, cut off 6' 2-3/8" CT and dimple on connector, sniff inside of 2-3/8" CT before dressing out flash weld for new 3.1" dimple on connector, LEL 30%, swing to cellar and flush CT, LEL 0%</p> <p>21:45 Dress and MU 3.1" dimple on connector, pull test as follows (TTS recommends) 15K / 600 psi hyd 30K / 1,400 psi hyd 45K / 2,100 psi hyd</p>
22:45	0.50	COIL	BOP			0		<p>PAUSE / 9 questions for safe pressure test, review plan, walk lines and break circulation through test port on the bottom of 3.1" dimple on connection, test 3,000 psi, bleed, good test</p> <p>23:00 Crew changes out lower stripper packoff</p>
23:15	0.75	COIL	RGU			0		<p>MU BHA #1 with extended reach XRV optimized at 4 bpm / Titan motor with Power Plus 4.7 as follows / drift tools with 5/8" and 3/4" balls and seat same / check gauge on bit at 3.75"</p> <p>BHA #1 -3" OD 0.81' long dimple connector -2.88" OD 1.41' long Dual Back Pressure Valve -2.88" OD 4.63' long Hailey Jar -2.88" OD 2.24' long Hydraulic Disconnect -2.88" OD 1.58' long Dual circulating sub -2.88" OD 2.24' long XRV Extended reach Tool optimized at 4 bbl -2.88" OD 13.52' long Titan Supermax Motor w/ Power Plus 4.7 -3.13" OD 0.42' long Rotary Sub -3.75" OD 0.52' long Varel Slipstream RC Pro Bit Total length = 26.72'</p> <p>23:40 Function test motor as follows 1 bbl / 600 psi 2 bbl / 1,600 psi 3 bbl / 3,000 psi 4 bbl / 4,800 psi</p> <p>23:45 Pull BHA #1 into lube and lift to wellhead, MU Bowen to top of 15K Quad BOP's</p>
<b>Total</b>	<b>5.00</b>							

06.00 Update

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Description
0:00	1.50	COIL	BOP			0	Break circulation to gas buster, SD pump, close in choke manifold

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06.00 Update

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Description
							00:05 Pressure test CT surface package as follows 300 psi / low / Shut Down -Leak on Bowen connection above BOP's / bleed off / go up and BD Bowen, change out oring and grease, MU Bowen  350 psi / Low / 5 min good test 8,500 psi / High / losing 200 psi, there is drip off the BOP's, go up in manlift and inspect, no leak, just drippings from when we BD the Bowen to change the o-ring, bring pressure back up and test 8,600 psi / High / 10 min / good test  01:15 Bleed off to 3,000 psi, check well pressure at 3,000 psi on b-section  01:30 Open well UFV 31 turns, well equalized at 3,000 psi, RIH to drill plugs #1-#42
1:30		COIL	MIL			0	5000' Weight check / PU 14K / 1.0 in 1.0 out / 3,800 CP / 3,400 WH  03:15 Weight check at 11,000' / PU 34K / 3.0 in 3.0 out / 6,600 CP / 3,400 WH 04:00 Plug #1 was no show at 11,984' / 3.0 - 3.0 / 3,300 04:08 12,149' plug #2 / 5 min / 3.0 in 3.0 out / 6,500 CP / 3,200 WH 04:38 12,326' plug #3 / 1 min / 3.25 in 3.25 out / 6,800 CP / 2,900 WH