

**EP WELLS DAILY OPERATIONS REPORT**

Report 58

09/11/2017

Company PERMIAN  
 Well Type Development  
 Well UNIVERSITY 19 PW UNIT 1504H  
 Wellbore UNIVERSITY 19 PW UNIT 1504H ST01  
 WBS No/API No 30265014 / 4230133171.01

**Event Summary**

Event Type	Completion only	Event Start Date	04/28/2017	Days on Location	57.00
Objective	Install Completion	Original Spud Date	02/02/2017		
Est. Days	25.00	Contractor	PERMIAN WELL SVC		
Work Unit	PERMIAN COMPLETIONS	Days To Release			
		Rig Phone/FAX No.			

**Well Status**

Supervisor	MORGAN / BRET OLDENCAMP	Measured Depth(ft)	
Engineer	Bobby Ramos	TVD(ft)	
Other Supervisor	MIKE REBER	24 Hr Progress(ft)	
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,761.75 / 2,736.10	Hole size(in)	
THF Datum			
Daily NPT(hr/%)	4.92/37.82	Last Casing MD	
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	
Actual cost to date/AFE	5,448,565/4,757,442.00	Current MW / BH EMW(ppg)	/
Actual divided by AFE	1.15	LOT/FIT EMW(ppg)	
Daily Cost	81,451	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:						
404 man hours						
42 driving 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			56

**Operations Summary**

24 Hour Summary
Move over from 1505H at 11 a.m., NPT manlift, move over injector/bop/lube, MU BHA #!, test, RIH, drill plugs #1-#9
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
11:00	1.42	COIL	RGU			0		START RIGGING UP COIL BHA CUT PIPE PUT DIMPLE CONNECTOR ON, PULL TESTED 30,000 LBS PRESSURE TESTED 2500 PSI
12:25	4.92	COIL	RGU			1		***NPT SUNBELT MAN LIFT WONT RUN WAIT ON MECHANIC MECHANIC SHOWED UP AT 16:20
17:20	0.92	COIL	RGU			0		***END NPT UN FLANGE BOP'S AND FLANGE UP BOP'S PUT NIGHT CAP ON OTHER WELL  17:30 Nights safety meeting, make plan, discuss hazard identification, discuss pressure testing, drops from injector, bleed off procedure, open well process, reievw JSA's and open permits
18:15	1.25	COIL	PPW			0		MU guywire package, zero counter, PAUSE, walk all lines and check every valve, check equipment, valves oriented, roll on pumps and break circulation to gas buster, 9 questions for safe pressure test, shut choke manifold and clear no go, check pressure on b-section 3,750 psi, pressure test as follows, TTS has inflow pressure test charts for dual back pressure valves - 300 psi / low / 5 min / SD - Bottom Bowen above Quad BOP's leaking, bleed, BD and change o-ring, re-start low test - 400 psi / low / 5 min / good test - 8,500 psi (stalls approximate 8,000 psi) / high / 10 min / good test
19:30	2.83	COIL	CTR			0		19:30 Bleed pressure to 3,750 psi, open UFV 31 turns and confirm, well equalized at 3,700 psi 20:36 Weight check 5,000' / PU 13.5K / RIH weight -4K / 1.0 in 1.0 out / 4,800 CP / 4,000 WH / RIH 100 ft/m / no gas / continue RIH to top of liner weight check 21:34 Weight check 11,000' / PU 30K / RIH weight 13K / 2.0 in 2.0 out / 6,000 CP / 3,900 WH, RIH 35 ft/min through build section  NOTE: CP Pressure running high, will proceed with drilling at 2.75 bpm / 6,900 CP / 3,700 WH, currently mixing FR at .25 gal / 10 bbls, will send 5 bbl 100 cp gel sweep every 4 plugs while at 2.75 bpm.
22:20	1.67	COIL	MIL			0		22:20 Plug #1 is no show / no tag / WLM depth was 11,956' 22:27 Tag plug #2 at 12,112' / 3 min / 2.75 in 2.75 out / 6,900 CP / 3,700 WH 22:37 Tag plug #3 at 12,283' / 2 min / 2.75 in 2.75 out / 7,000 CP / 3,700 WH Pump 5 bbl / 100 cp gel sweep / plan to send one every 4 plugs while at 2.75 bpm 22:49 Tag plug #4 at 12,461' / 4 min / 2.75 in 2.75 out / 6,700 CP / 3,500 WH Bring rate to 3.0 bpm / 7,000 CP / 3,500 WH / Continue mix FR at .25 / 10 bbls 22:59 Tag plug #5 at 12,639' / 4 min / 3.0 in 3.0 out / 7,100 CP / 3,500 WH 23:13 Tag plug #6 at 12,809' / 4 min / 3.0 in 3.0 out / 6,900 CP / 3,400 WH 23:29 Tag plug #7 at 12,992' / 2 min / 3.0 in 3.0 out / 7,000 CP / 3,300 WH Pump 5 bbl / 100 cp gel sweep 23:45 Tag plug #8 at 13,174' / 2 min / 3.0 in 3.0 out / 6,900 CP / 3,300 WH 23:56 Tag plug #9 at 13,353' / 2 min / 3.0 in 3.0 out / 7,200 CP / 3,300 WH / RIH weight 15K  Continue RIH from 13,370' at report time
<b>Total</b>	<b>13.00</b>							

06.00 Update

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Description
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06.00 Update

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Description
0:00		COIL	MIL			0	00:12 Tag plug #10 at 13,523' / 2 min / 3.0 in 3.0 out / 7,000 CP / 3,300 WH 00:25 Tag plug #11 at 13,744' / 3 min / 3.0 in 3.0 out / 6,800 CP / 3,200 WH / RIH weight 15K 00:37 Tag plug #12 at 13,880' / 4 min / 3.0 in 3.0 out / 6,700 CP / 3,200 WH Pump 5 bbl gel sweep / pump 5 bbl sweep of POP / start dribble POP in at .25 gal/10 bbls 00:59 Tag plug #13 at 14,059' / 2 min / 3.0 in 3.0 out / 6,900 CP / 3,100 WH  Wiper (200') / Weight check (PU 43.4K) 01:10 POOH from 14,092' for 200' wiper and weight check, chase 5 bbl 100 cp gel sweep, PU weight 43.4K (2,000 psi hydraulic / 21.7 # / psi factor), weight consistent, no drag / 3.0 in 3.0 out / 6,700 CP / 3,200 WH / RIH weight before wiper was 16K 01:18 RIH from 13,892' / 3.0 in 3.0 out / 6,700 CP / 3,200 WH / RIH weight 14K / FR .22 gal / 10 bbl, dribble in POP at .25 gal / 10 bbls, RIH to plug #14  01:35 Tag plug #14 at 14,239' / 2 min / 3.0 in 3.0 out / 7,100 CP / 3,200 WH

NPT Summary

Start Date/Time	Responsible Company	NPT Code	Failure MD (ft)	Ops Code	Type*	Equipment Type	Net time (hr)	Gross time (hr)	Severity	Status
09/11/2017 12:25	SUNBELT RENTALS INDUSTRIAL SERVICES	Wait On Personnel		RGU	N		4.92	4.92		OPEN
<b>Description:</b> WAITING ON MECHANIC						<b>Title:</b> WOP				
<b>Total</b>							<b>4.92</b>	<b>4.92</b>		