

EP WELLS DAILY OPERATIONS REPORT

Report 28

12/12/2017

Company	PERMIAN
Well Type	Development
Well	UNIVERSITY 19 D 0904H
Wellbore	UNIVERSITY 19 D 0904H
WBS No/API No	30266560 / 4230133226.00

Event Summary

Event Type	Completion only	Event Start Date	10/31/2017	Days on Location	28.00
Objective	Install Completion	Original Spud Date	06/19/2017		
Est. Days	65.00	Contractor	PERMIAN WELL SVC		
Work Unit	PERMIAN COMPLETIONS	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	Wes Garver	Measured Depth(ft)	
Engineer	Bobby Ramos	TVD(ft)	
Other Supervisor	David Stein	24 Hr Progress(ft)	
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,799.10 / 2,771.10	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	3,078,967/3,746,244.00	Current MW / BH EMW(ppg)	/
Actual divided by AFE	0.82	LOT/FIT EMW(ppg)	
Daily Cost	51,606	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)	
Safety Comments:							

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	27

Operations Summary

24 Hour Summary
RU CT, mill plugs
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
0:00	8.00	COIL	RGU			0		RD Frac & Move locations
8:00	0.67	COIL	RGU			0		Verify zero pressure on frac tree. Remove night cap.
8:40	0.62	COIL	RGU			0		NU CT BOP's, continue to transfer fluid.
9:17	0.97	COIL	RGU			0		Break conneciton above BOP's and remove BHA. Cut 20' pipe. Prep to weld CT connector.
10:15	1.00	COIL	RGU			0		Weld on connector, NU night cap on 0903H.
11:15	0.42	COIL	RGU			0		Wait for weld to cool. Change stripper elements, continue to prep for CT job. Continue to haul off drity fluid.
11:40	0.83	COIL	RGU			0		<p>Pull test the CT connector to 35K (good), Install upper section of the BHA. Pressure test assembly to 2500 psi. Test good. Bleed off pressure. Install the following BHA:</p> <ul style="list-style-type: none"> - Weld-on CT Conn: OD - 2.88", Length - 0.25' - Check Valve: OD - 2.88", Length - 1.94' - Hydraulic Jars: OD - 2.83", Length - 6.60' - Hydr Disconnect: OD - 2.84", Length - 2.13' (3/4" ball seat) - Dual Circ Sub: OD - 2.85", Length - 1.39' (5/8" ball seat) - Tempress Screen: OD - 2.85", Length - 2.69' - Hydro-Pull: OD - 2.85", Length - 2.69' - Xtreme DH Motor: OD - 2.86", Length - 12.58' - X-over: OD - 3.12", Length - 0.72' - Varrel Bit: OD - 3.75", Length - 0.43' <p>Total Length: 31.42-ft Function test BHA: 3.0 bpm @ 2200 psi 3.5 bpm @ 3700 psi</p>
12:30	0.95	COIL	RGU			0		<p>NU lubricator to CT BOP's, tie down guywires, align valves and break circulation. PT CT PCE. -500-psi for 5-min (good test) -8000-psi for 10-min (good test) Equalize to WHP. Open the LMV(31.25 turns), UMW (17 turns)</p>
13:27	3.05	COIL	CTR			0		RIH with CT and mill out plugs
16:30	0.58	COIL	CTR			0		Weight check at liner top- 31K, continue RIH to first plug.
17:05	0.50	COIL	MIL			0		<p>Tag plug # 1 CT Depth 12,028' Pump pressure- 6500 psi WHP- 3900 psi Mill time 6 min Pump rate- 3.5 Return rate- 3.5</p> <p>FR at 0.25 gal/10 bbl</p>
17:35	1.00	COIL	MIL			0		<p>Tag plug # 2 CT Depth 12,208' Pump pressure- 6500 psi WHP- 3900 psi Mill time 5 min Pump rate- 3.5 Return rate- 3.5</p> <p>FR at 0.25 gal/10 bbl</p>
18:35	0.67	COIL	MIL			0		<p>Tag Plug 3 of 36 CT Depth: 12,387' Pump pressure: 7000 psi WHP: 3700 psi Mill time: 6 min Stalls: None Pump rate: 3.0 bpm Return rate: 2.9 bpm</p>

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Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
								Chemicals: FR- 0.25 gal/10 bbl
19:15	0.53	COIL	MIL			0		Tag Plug 4 of 36 CT Depth: 12,568' Pump Pressure: 6700 psi WHP: 3700 psi Mill Time: 5 min Stalls: None Pump Rate: 3.5 bpm Return Rate: 3.4 bpm Chemicals: FR at 0.25 gal/10 bbl
19:47	0.68	COIL	MIL			0		Tag Plug 5 of 36 CT Depth: 12,745' Pump Pressure: 6600 psi WHP: 3700 psi Mill Time: 10 min Stalls: None Pump Rate: 3.5 bpm Return Rate: 3.4 bpm Chemicals: FR at 0.25 gal/10 bbl
20:28	0.57	COIL	MIL			0		Tag Plug 6 of 36 CT Depth: 12,930' Pump Pressure: 6700 psi WHP: 3700 psi Mill Time: 7 min Stalls: None Pump Rate: 3.5 bpm Return Rate: 3.5 bpm Chemicals: FR at 0.25 gal/10 bbl
21:02	0.50	COIL	MIL			0		Tag Plug 7 of 36 CT Depth: 13,113' Pump Pressure: 6600 psi WHP: 3700 psi Mill Time: 5 min Stalls: None Pump Rate: 3.5 bpm Return Rate: 3.5 bpm Chemicals: FR at 0.25 gal/10 bbl
21:32	0.37	COIL	MIL			0		Tag Plug 8 of 36 CT Depth: 13,290' Pump Pressure: 6500 psi WHP: 3700 psi Mill Time: 5 min Stalls: None Pump Rate: 3.5 bpm Return Rate: 3.4 bpm Chemicals: FR at 0.25 gal/10 bbl
21:54	0.67	COIL	MIL			0		Tag Plug 9 of 36 CT Depth: 13,469' Pump Pressure: 6600 psi WHP: 3700 psi Mill Time: 10 min Stalls: None Pump Rate: 3.5 bpm Return Rate: 3.4 bpm

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Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
								Chemicals: FR at 0.25 gal/10 bbl
22:34	0.52	COIL	MIL			0		Tag Plug 10 of 36 CT Depth: 13,646' Pump Pressure: 6600 psi WHP: 3700 psi Mill Time: 5 min Stalls: None Pump Rate: 3.5 bpm Return Rate: 3.4 bpm Chemicals: FR at 0.25 gal/10 bbl Pump a 10-bbl gel sweep. ETA at surface is 0:57.
23:05	0.43	COIL	MIL			0		Tag Plug 11 of 36 CT Depth: 13,828' Pump Pressure: 6700 psi WHP: 3700 psi Mill Time: 4 min Stalls: None Pump Rate: 3.5 bpm Return Rate: 3.4 bpm Chemicals: FR at 0.25 gal/10 bbl
23:31	0.42	COIL	MIL			0		Tag Plug 12 of 36 CT Depth: 14,006' Pump Pressure: 6700 psi WHP: 3700 psi Mill Time: 4 min Stalls: None Pump Rate: 3.5 bpm Return Rate: 3.4 bpm Chemicals: FR at 0.25 gal/10 bbl, I-Lub at 0.25 gal/10 bbl
23:56	0.07	COIL	MIL			0		Tag Plug 12 of 36 CT Depth: 14,185' Pump Pressure: 6700 psi WHP: 3700 psi Mill Time: 6 min Stalls: None Pump Rate: 3.5 bpm Return Rate: 3.4 bpm Chemicals: FR at 0.25 gal/10 bbl, I-Lub at 0.25 gal/10 bbl
Total	24.00							

06.00 Update

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Description
0:00	0.40	COIL	MIL			0	Continue RIH to the next plug.
0:24	0.50	COIL	MIL			0	Tag Plug 14 of 36 CT Depth: 14,369' Pump Pressure: 6900 psi WHP: 3700 psi Mill Time: 6 min Stalls: None Pump Rate: 3.5 bpm Return Rate: 3.6 bpm Chemicals: FR at 0.25 gal/10 bbl, I-Lub at 0.25 gal/10 bbl

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06.00 Update

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Description
0:54	0.42	COIL	MIL			0	Tag Plug 15 of 36 CT Depth: 14,548' Pump Pressure: 6900 psi WHP: 3700 psi Mill Time: 5 min Stalls: None Pump Rate: 3.5 bpm Return Rate: 3.5 bpm Chemicals: FR at 0.25 gal/10 bbl, I-Lub at 0.25 gal/10 bbl
1:19	0.50	COIL	MIL			0	Tag Plug 16 of 36 CT Depth: 14,705' Pump Pressure: 6900 psi WHP: 3700 psi Mill Time: 4 min Stalls: None Pump Rate: 3.5 bpm Return Rate: 3.5 bpm Chemicals: FR at 0.25 gal/10 bbl, I-Lub at 0.25 gal/10 bbl
1:49	0.48	COIL	MIL			0	Tag Plug 17 of 36 CT Depth: 14,908' Pump Pressure: 6900 psi WHP: 3700 psi Mill Time: 7 min Stalls: None Pump Rate: 3.5 bpm Return Rate: 3.4 bpm Chemicals: FR at 0.25 gal/10 bbl, I-Lub at 0.25 gal/10 bbl
2:18	0.52	COIL	MIL			0	Tag Plug 18 of 36 CT Depth: 15,095' Pump Pressure: 6700 psi WHP: 3700 psi Mill Time: 4 min Stalls: None Pump Rate: 3.5 bpm Return Rate: 3.5 bpm Chemicals: FR at 0.25 gal/10 bbl, I-Lub at 0.25 gal/10 bbl
2:49	0.47	COIL	MIL			0	Tag Plug 19 of 36 CT Depth: 15,269' Pump Pressure: 6700 psi WHP: 3700 psi Mill Time: 7 min Stalls: None Pump Rate: 3.5 bpm Return Rate: 3.4 bpm Chemicals: FR at 0.25 gal/10 bbl, I-Lub at 0.25 gal/10 bbl
3:17	0.35	COIL	MIL			0	Tag Plug 20 of 36 CT Depth: 15,452' Pump Pressure: 6700 psi WHP: 3700 psi Mill Time: 3 min Stalls: None Pump Rate: 3.5 bpm Return Rate: 3.4 bpm Chemicals:

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Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Description
							FR at 0.25 gal/10 bbl, I-Lub at 0.25 gal/10 bbl Pump 10-bbl gel sweep. ETA is 5:33 for sweep to be at surface.
3:38	0.23	COIL	MIL			0	Tag Plug 21 of 36 CT Depth: 15,633' Pump Pressure: 6800 psi WHP: 3600 psi Mill Time: 4 min Stalls: None Pump Rate: 3.5 bpm Return Rate: 3.4 bpm Chemicals: FR at 0.25 gal/10 bbl, I-Lub at 0.25 gal/10 bbl
3:52		COIL	MIL			0	Tag Plug 22 of 36 CT Depth: 15,796' Pump Pressure: 6800 psi WHP: 3500 psi Mill Time: 4 min Stalls: None Pump Rate: 3.5 bpm Return Rate: 3.4 bpm Chemicals: FR at 0.25 gal/10 bbl, I-Lub at 0.25 gal/10 bbl