

EP WELLS DAILY OPERATIONS REPORT

Report 22

06/09/2017

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	21.00
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	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: 2,761.75 / 2,736.10	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	1,036,439/4,757,442.00	Current MW / BH EMW(ppg)	/
Actual divided by AFE	0.22	LOT/FIT EMW(ppg)	
Daily Cost	63,443	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 - 85
 Total Hours Worked - 1076
 Total Hours driven - 170

Gaol Zero Day 15

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				20

Operations Summary

24 Hour Summary
Test CT connector. Pressure test connector to 5k. M/U Wash pipe BHA. Function test motor. N/U CT lubricator and pressure test to 9k. RIH and clean fish. Start POOH.
Update Since Report Time
24 Hour Forecast
Overshot run to retrieve the fish.

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Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	6.50	COIL	NOA			1		Waiting on fishing tools to arrive on location.
6:30	0.50	COIL	NOA			1		Held Pre-Tower Safety Meeting.
7:00	4.75	COIL	NOA			1		Waiting on fishing tools to arrive on location. Pause and reievw 7 steps for Safe Work Strategy prior to setting down lubricator and inspecting injector head and reel. 11:15 PJSM prior to picking up BHA.
11:45	0.92	COIL	CHB			1		Installed new demple CT connector. Pull test to 40k - Test Good. Fill CT with 90 bbl fresh water. Install check valve and pressure test connector to 5000 psi and pull test to 35,000 lbs pull test- Test Good. Bleed off pressure to zero.
12:40	0.92	COIL	CHB			1		P/U and M/U TTS BHA to CT connector. OSR Strapped BHA to confirm length. Torqued each connection to 23,000 lbs. Function test BHA. 1 bpm @ 350 psi, 2 bpm @ 1100 psi, 2.5 bpm @ 1700 psi. TTS BHA: Dimple connector 0.81' - OD 2.88" Dual Back Pressure Valve 1.41' - OD 2.88" Hailey Jar 3.83' - OD 2.88" Hydraulic Disconnect 2.24' - OD 2.88" XRV 2.24' - OD 2.88" Ported Sub 0.83' - OD 2.88 Ported Sub 0.83' - OD 2.88 Titan Supermax Motor w/ Conventional Power Section 13.52' - OD 2.88" Washpipe Top Sub 1.08" - OD 3.70" Wash Pipe with built in flat notched bottom shoe 20.14' - OD 3.7" Total length 47.49'
13:35	0.42	COIL	CHB			1		P/U injector and lubricator. Stab onto the well and torque up connection.
14:00	0.58	COIL	CHB			1		Align valves and break circulation. Shut in at flowback manifold and pressure test low 500 psi for 5 minute and high 9200 psi for 10 minutes. Bleed down pressure to 4000 psi to equalize, open well at 4000 psi.
14:35	4.42	COIL	CTR			1		Open well @ 4000 psi. RIH @ 75 ft/min pumping fresh water @ 0.6 bpm. Started FR at 0.20 and beads at 0.25 gpm. Increased to RIH speed to 100 fpm @ 2400'. 1620 Weight check at Liner top at 10,913', 36k lbs up. Run down through liner at 30'/min. 1700 Increase rate to 2.5 bpm @ 5200 psi cir, WH 3800 psi. 1830 - Held Pre-Tower Safety Meeting
19:00	0.42	COIL	CIR			1		Increased rate to 3.5 bpm at 19,420'. Cir pressure 6,500, WH 3800. Continue RIH @ 30 ft. Slowed running speed down to 5 fpm. Tagged fill @ 19,603'. BHA Motor stalled. P/U 30' to 19,073' to get BHA motor back. Pickup weight 43k. Pump 10 bbl sweep.
19:25	0.58	COIL	CIR			1		RIH and tagged at 19603, sat down 13k and washed down to 19607'. Got all of our weight back. Motor stalled, picked up to 19,676' to regain motor. Pickup weight 43k. RIH pumping 3.5 bpm @ 6500 cir, WH 3800. Pump 10 bbl sweep.
20:00	0.75	COIL	CIR			1		RIH and tagged at 19607'. Sat at bottom and pumped 3rd sweep. Picked up to 19676', increased rate to 4 bpm. Cir 7500 psi, WH 3800. Pickup weight 43k. RIH pumping 4 bpm. Tagged at 19,607'. Medium sands noticed at sand trap.
20:45	1.00	COIL	CIR			1		Continue circulating bottoms up. Medium and Heavy sands at sand trap.
21:45	0.25	COIL	CIR			1		Sands cleaned up. Notified Field Sup and Engineer. POOH
22:00	2.00	COIL	PCT			1		POOH @ 60 fpm pumping at 4 bpm. Cir 7400 psi, WH 3800.
Total	24.00							

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06.00 Update

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Description
0:00	2.50	COIL	PCT			1	POOH @ 65 fpm pumping at 4 bpm. Cir 7400 psi, WH 3800. Slow down at the curve to 30 fpm. Continue POOH pumping 4 bpm. Increase speed to 110 fpm after curve and continue POOH.
2:30	0.17	COIL	SAF			1	Held TBT on N/D fro mthe BOP's and handling BHA.
2:40	0.83	COIL	CHB			1	Break bolts between lubricator and BOP's. Pick Injector and Lubricator. Lower BHA and break apart in sections. Cut off CT connector and 60' of coil.
3:30	1.08	COIL	CHB			1	Dress CT and M/U Dimple Connector. Pull test to 35k. M/U check valve to connector. Pressure test connector to 5000 psi. Bleed off pressure.
4:35		COIL	CHB			1	P/U and M/U TTS BHA to CT connector. OSR Strapped BHA to confirm length. Torqued each connection to 23,000 lbs. Function test BHA. 1 bpm @ 350 psi, 2 bpm @ 1100 psi, 2.5 bpm @ 1700 psi. TTS BHA: Dimple connector 0.80' - OD 3.00" Dual Back Pressure Valve 1.41' - OD 2.88" Hailey Jar 4.39' - OD 2.88" Hydraulic Dissconnect 2.23' - OD 2.88" HydraSweep 8.30' - OD 2.88" XRV 2.23' - OD 2.88" Ported Sub 0.83' - OD 2.88 Ported Sub 0.83' - OD 2.88 Titan Ultra Short Fishing Motor 5.70' - OD 2.88" Rotary Sub 0.36' - OD 2.88' Top Sub w/ 3' extension 3.81' - OD 3.75" Extension for Overshot 3' - OD 3.75 Bowl w/ 2.75" grapple 1.13' - OD 3.75" Cutlip Guide for Overshot 0.61' - OD 3.75" Total length 35.68'