

EP WELLS DAILY OPERATIONS REPORT

Report 23

06/10/2017

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	22.00
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	1,091,376/4,757,442.00	Current MW / BH EMW(ppg)	/
Actual divided by AFE	0.23	LOT/FIT EMW(ppg)	
Daily Cost	54,936	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 - 83
 Total Hours Worked - 1054
 Total Hours driven - 171

Gaol Zero Day 16

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				21

Operations Summary

24 Hour Summary
POOH w/ Wish pipe BHA. Break lubricator and M/U Overshot BHA. N/U BOP and test. RIH w/ Overshot to recover Fish. POOH. No fish recovered. RIH for 2nd Overshot run.
Update Since Report Time
24 Hour Forecast
Fishing Ops

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Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	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 from the 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. After inspection of the Wash pipe BHA all the pin indicators inside the wash pipe are gone. This is a positive indication we washed over the fish. We hauled off the water from the open top tank and measured 4 inch of sand at the bottom.
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	0.75	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 @ 450 psi, 2 bpm @ 1000 psi, 3 bpm @ 2400. Function tested the Hydrasweep 3 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 Disconnect 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'
5:20	1.08	COIL	BOP			1		P/U lubricator and N/U. Open crown valve and break circulation. Pressure test 500 low - 5 min and 9000 high - 10 min. - Test Good
6:25	0.08	COIL	CTR			1		Bleed down pressure to equalize. Open Well @ 3800 psi. Start RIH pumping @ .6 bpm, FR .13 and Beads .20
6:30	0.50	COIL	SAF			1		Held Pre-Tower Safety Meeting.
7:00	4.42	COIL	CTR			1		RIH @ 75 ft/min pumping fresh water @ 0.6 bpm. Started FR at 0.13 and beads at 0.2 gpm. Increased to RIH speed to 100 fpm @ 2400'. Weight check at Liner top at 10,913', 36k lbs up. Run down through liner at 30'/min. 1700 Increase rate to 3.0 bpm @ 5400 psi cir, WH 3800 psi.
11:25	0.50	COIL	CIR			1		Stop and take PU weights 43,000lbs at 19,500'. Cir pressure 5250 psi, WH 3800 psi. Continue RIH, shut down pumps and restart to shift hydro sleeve, now pumping through bit only, pressure now at 5900psi, weight 8000lbs. Tagged up @ 19594', set down 10,000 lbs on fish, saw pressure increase to 6100 psi (200 psi increase). P/U to 51,000 lbs and weight broke over to 44,200lbs (now weighing ~1200 lbs heavier) .
11:55	5.42	COIL	PCT			1		POOH @ 65 fpm pumping at 3 bpm. Slow down at the curve to 30 fpm. Continue POOH pumping 3 bpm. Increase speed to 100 fpm after curve and continue POOH. Shut in well at 17:20 at 3900 psi.
17:20	0.42	COIL	SAF			1		Held TBT on N/D from the BOP's and handling BHA.
17:45	0.75	COIL	CHB			1		Break bolts between lubricator and BOP's. Pick Injector and Lubricator. Lower BHA and break apart in sections. NO fish. Inspection of grapple tools showed that grapple spring broke at the bottom. Lowered lubricator and rest on the ground
18:30	0.50	COIL	SAF			1		Held Pre-Tower Safety Meeting.

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Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
19:00	3.17	COIL	SAF			1		Waiting for decision from Houston on how to proceed. Decision was made to make 2nd overshot run.
22:10	0.17	COIL	SAF			1		Held TBT on M/U BHA and N/U lubricator. Covered 12 questions.
22:20	1.17	COIL	NUB			1		M/U Overshot (same as above). Test tool. P/U lubricator and stab onto the well. Torque lubricator flange.
23:30	0.50	COIL	BOP			1		Align valves and break circulation. Close flowback manifold and pressure test 500 low - 5 min & 9200 high - 10 min. Test Good. Bleed down to equalize. Open well @ 4100 psi.
Total	24.00							

06.00 Update

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Description
0:00		COIL	CTR			1	RIH to 200'. Brought pumps on and tested the hydrasweep 1.6 bbl @ 4600 psi. Shutdown pump to reset. Brought pumps back on 1.3 bbl @ 5500 psi on the motor. RIH @ 50 fpm pumping at 1.3 bpm through the overshot. Pumping FR @ .13, Beads @ .2 and POP @ .2. Increased running speed to 85 fpm @ 3000'. Continue running in hole.