

**EP WELLS DAILY OPERATIONS REPORT**

Report 24

06/11/2017

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	23.00
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	1,251,700/4,757,442.00	Current MW / BH EMW(ppg)	/
Actual divided by AFE	0.26	LOT/FIT EMW(ppg)	
Daily Cost	148,834	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)	8

**Safety Comments:**

Total People - 96  
 Total Hours Worked - 1192  
 Total Hours driven - 200

Gaol Zero Day 17

**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				22

**Operations Summary**

24 Hour Summary
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RIH w./ Overshot to recover fish. Unsuccessful. R/D Frac tree and iron. Swapped out UMV.

Handover details:

Plug Depth: 19610'  
Open Perfs: 19452', 19497', 19541', 19586'  
Top of fish: 19381' (see time summary for details, all deptsh CT depths)  
Fluid in hole: Fresh water  
Shut in Pressure: 3950 psi

Fish Details:  
Cable head (12' LONG BY 1.5625") followed by CCL (18" X 2.75") looking up.  
Total Length: 23.75'  
OD: 2.75" max (see BHA for details in remarks section)

Update Since Report Time

24 Hour Forecast

Wait on WO

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Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	3.00	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. Cir 4500 psi and WH 4020 psi. Pumping FR @ .13, Beads @ .2 and POP @ .2. Increased running speed to 85 fpm @ 3000'. Continue running in hole.
3:00	1.00	COIL	CTR			1		At liner top performed weight check 35k up and 17 down. Slow running speed down to 35 fpm through the curve. Increased pump rate to 2.5 bpm @ 5400 psi, WH 4000 psi. At 11483' tagged and sat down 5k lbs. Torque increased 400 lbs. Shutdown pump and Slowed running speed down to 20 fpm until the 11900'.
4:00	2.00	COIL	CTR			1		Made phone call to Field Sup to inform him we tagged the fish. Increased running speed to 60 fpm. Brought on pumps 2.5 bpm through Hydrasweep @ 5400 psi. Continue RIH to 19400'
6:00	0.25	COIL	CTR			1		Tagged @ 19400 sat down 17k. P/U to 19375' and regained our weight (48k). RIH and tagged at 19384' sat down 23k. P/U to 19366, regained our weight (48k). RIH and tagged at 19381' sat down 30k. P/U to 19366, had 4k over pull to 52k then broke over to 48k at 19361'. Tool hand and OSR agreed to POOH.
6:15	4.62	COIL	PCT			1		POOH @ 65 fpm pumping at 3 bpm. Slow down at the curve to 30 fpm. Continue POOH pumping 3 bpm. Shut in well at 10:52 at 3950 psi.
10:52	0.22	COIL	SAF			1		Held TBT on N/D from the BOP's and handling BHA.
11:05	1.42	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 had no signs of wear, only small chip on outside lip of cutlip. Indications that fish never made it up into grapple. Lowered lubricator and rest on the ground. Wait on orders.
12:30	1.00	COIL	SAF			1		Held Pre-Tower Safety Meeting prior to R/D coil. Lay down remaining TTS tools.
13:30	1.50	COIL	RGO			1		N/U on well and flush lines with N2.
15:00	4.00	COIL	RGO			1		Begin laying down lubricator, BOPs, and injector head. 1830 - Held Pre-Tower Safety Meeting.
19:00	1.00	COIL	RGO			1		CT finished rigging down and moved off location.
20:00	0.17	FRAC	SAF			1		Held TBT to R/D frac tree.
20:10	0.50	WOR	PWO			1		Aligned valves and negative tested the LMV for 30 minutes. No pressure build up.
20:40	3.08	WOR	PWO			1		Unfasten restraints from flow back iron and frac iron. R/D riser from the frac manifold and frac tree. R/U nightcaps on goat head and frac manifold. Soft break frac tree connection between the LMV, UMV, Flowcross, Hydraulic, Goathead and Crown valve. Picked up stack off the 1504H LMV/Well. Broke off each frac tree section on the ground for pickup.
23:45	0.25	WOR	PWO			1		Used crown valve to swap out the UMV due to sand inside of body. Attempted to grease the sand out and work the valve but unable to purge. Decided to swap while the frac tree was being disassembled. Start N/U new UMV.
<b>Total</b>	<b>24.00</b>							

06.00 Update

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Description
0:00	0.50	WOR	PWO			1	Finish N/U UMV.
0:30	0.50	WOR	PTW			1	Hook up test pump to tree. Pressure test UMV 500 low for 5 min - 9500 high for 10 min. Test Good. Bleed off pressure and close UMV. Wait on WO.

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06.00 Update

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Description
1:00	5.50	WOR	OPO			0	Other Pad Ops

**Remarks**

ITEM      OD ( inch)      ID (inch)      LENGTH ( Ft/in)

Cable Head	1.5625"	12"	
Collar Locator	2.75"	18"	
BART	2.75"	18"	
BART	1.96"	4.75"	
BART	2.75"	6.5"	
QUICK CHANGE		1.65"	5.25"
QUICK CHANGE		2.75"	8"
Top Sub	2.75"	2"	
Gun Barrel	2.75"	24"	
Gun Barrel	2.75"	24"	
Gun Barrel	2.75"	24"	
Gun Barrel	2.75"	24"	
Plug Shoot Adapter	2.75"	7"	
#10 Firing Head	2.75"	18"	
Baker 10 Set Tool	2.75"	45.5"	

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Setting Sleeve 3.63" 20"

Boss Hog 3.66" 24"