

## EP WELLS DAILY OPERATIONS REPORT

Report 29

12/15/2017

Company	PERMIAN
Well Type	Development
Well	UNIVERSITY 19 J 0910H
Wellbore	UNIVERSITY 19 J 0910H ST01
WBS No/API No	30266566 / 4230133232.01

## Event Summary

Event Type	Completion only	Event Start Date	10/31/2017	Days on Location	29.00
Objective	Install Completion	Original Spud Date	06/14/2017		
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: 2,800.90 / 2,772.90	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	2,806,590/3,721,244.00	Current MW / BH EMW(ppg)	/
Actual divided by AFE	0.75	LOT/FIT EMW(ppg)	
Daily Cost	31,329	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:							

## 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	28

## Operations Summary

24 Hour Summary
Swap BOP from the 1404H to the 0910H well. Weld on new CT connector. PU new drilling BHA. Pressure test connector and function test motor. NU injector head and start RIH.
Update Since Report Time
24 Hour Forecast

## EP WELLS DAILY OPERATIONS REPORT

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12/15/2017

Well UNIVERSITY 19 J 0910H  
Wellbore UNIVERSITY 19 J 0910H ST01

## Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
20:00	2.75	COIL	RGU			0		Spot and RU secondary crane to move the BOPs from the 1404H well to the 0910H well. Transform BOPs on to the well, torque up flange connection. Install new well-on connector. Allow the CT connector to cool. Pull test the connector to 35-klb (good). Drift test the connector with a 5/8" and 3/4" ball. Change stripper element in the packoff. Install upper BHA (Check Valve, Jar and Disconnect). Pressure test the connector and upper BHA to 2500-psi (good test). Bleed off pressure.
22:45	0.58	COIL	RGU			0		Install the follow BHA components:  - Weld-on CT Conn: OD - 2.88", Length - 0.25' - Check Valve: OD - 2.88", Length - 1.94' - Hydraulic Jars: OD - 2.88", Length - 6.45' - Hydr Disconnect: OD - 2.88", 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' - Jet Thruster: OD - 3.13", Length - 1.49' - Varrel Bit: OD - 3.75", Length - 0.42'  Total Length: 32.03-ft  Function test the BHA at: - 3.0-bpm at 2900-psi - 3.5-bpm at 3500-psi
23:20	0.67	COIL	RGU			0		NU Lubricator and install guy wires on injector head.
<b>Total</b>	<b>4.00</b>							

## 06.00 Update

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Description
0:00	0.50	COIL	RGU			0	Pressure test BOPs: - 500-psi for 5-min (good test) - 8500-psi for 10-min (good test)  Bleed down the pressure to 4200-psi to equalize with the WHP. Open the LMV (31 turns) and the UMV (17 turns). WHP is 4000-psi.
0:30	1.80	COIL	CTR			0	Start RIH with CT to drillout plugs.
2:18		COIL	CTR			0	Weight check at a depth of 10,950-ft, PU weight of 21-klb. Bring rate up to 2.5-bpm and circulate out gas; Cir Press is 6800-ps, WHP is 4400-psi, Pump Rate is 2.5-bpm.

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12/16/2017

Company	PERMIAN
Well Type	Development
Well	UNIVERSITY 19 J 0910H
Wellbore	UNIVERSITY 19 J 0910H ST01
WBS No/API No	30266566 / 4230133232.01

## Event Summary

Event Type	Completion only	Event Start Date	10/31/2017	Days on Location	30.00
Objective	Install Completion	Original Spud Date	06/14/2017		
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: 2,800.90 / 2,772.90	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	2,841,206/3,721,244.00	Current MW / BH EMW(ppg)	/
Actual divided by AFE	0.76	LOT/FIT EMW(ppg)	
Daily Cost	34,615	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:							

## 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	29

## Operations Summary

24 Hour Summary
Pressure test BOPs. Open well and start RIH to drill plugs. Pull back to surface due to HydraPull failure.
Update Since Report Time
24 Hour Forecast

## EP WELLS DAILY OPERATIONS REPORT

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12/16/2017

Well UNIVERSITY 19 J 0910H  
Wellbore UNIVERSITY 19 J 0910H ST01

## Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	0.50	COIL	RGU			0		Pressure test BOPs: - 500-psi for 5-min (good test) - 8500-psi for 10-min (good test)  Bleed down the pressure to 4200-psi to equalize with the WHP. Open the LMV (31 turns) and the UMW (17 turns). WHP is 4000-psi.
0:30	1.80	COIL	CTR			0		Start RIH with CT to drillout plugs.
2:18	0.20	COIL	CTR			0		Weight check at a depth of 10,950-ft, PU weight of 21-klb. Bring rate up to 2.5-bpm and circulate out gas; Cir Press is 6800-ps, WHP is 4400-psi, Pump Rate is 2.5-bpm.
2:30	0.88	COIL	CTR			0		RIH to drill plugs.
3:23	0.48	COIL	MIL			0		Tag plug 1 of 36:  - Depth is 12,017' - Cir Press is 6500 psi - WH Press is 3900 psi - Rate(in) is 3.25 bpm, Rate(out) is 3.2 bpm - Drill Time is 11 min - Stalls - None  Chemicals: - FR at 0.18-gal/10-bbl
3:52	0.42	COIL	MIL			0		Tag plug 2 of 36:  - Depth is 12,196' - Cir Press is 6500 psi - WH Press is 3800 psi - Rate(in) is 3.25 bpm, Rate(out) is 3.2 bpm - Drill Time is 12 min - Stalls - None  Chemicals: - FR at 0.18-gal/10-bbl
4:17	0.85	COIL	MIL			0		Tag plug 3 of 36:  - Depth is 12,377' - Cir Press is 6400 psi - WH Press is 3800 psi - Rate(in) is 3.25 bpm, Rate(out) is 3.2 bpm - Drill Time is 11 min - Stalls - 1  Chemicals: - FR at 0.18-gal/10-bbl
5:08	0.37	COIL	MIL			0		Tag plug 4 of 36:  - Depth is 12,557' - Cir Press is 6600 psi - WH Press is 3800 psi - Rate(in) is 3.25 bpm, Rate(out) is 3.2 bpm - Drill Time is 13 min - Stalls - 1  Chemicals: - FR at 0.18-gal/10-bbl
5:30	0.80	COIL	MIL			0		Safety meeting with day crew.
6:18	1.08	COIL	MIL			0		Tag plug 5 of 36:  - Depth is 12,734' - Cir Press is 6600 psi - WH Press is 3950 psi - Rate(in) is 3.25 bpm, Rate(out) is 3.2 bpm - Drill Time is 20 min

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Report 30

12/16/2017

Well UNIVERSITY 19 J 0910H  
Wellbore UNIVERSITY 19 J 0910H ST01

## Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
								- Stalls - 1  Chemicals: - FR at 0.2-gal/10-bbl
7:23	0.53	COIL	MIL			0		Tag plug 6 of 36:  - Depth is 12,920' - Cir Press is 6600 psi - WH Press is 3925 psi - Rate(in) is 3.5 bpm, Rate(out) is 3.5bpm - Drill Time is 10 min - Stalls - 1  Chemicals: - FR at 0.2-gal/10-bbl
7:55	0.53	COIL	MIL			0		Tag plug 7 of 36:  - Depth is 13,096' - Cir Press is 6800 psi - WH Press is 3925 psi - Rate(in) is 3.5 bpm, Rate(out) is 3.5bpm - Drill Time is 13 min - Stalls - None  Chemicals: - FR at 0.25-gal/10-bbl
8:27	0.95	COIL	MIL			0		Tag plug 8 of 36:  - Depth is 13,277' - Cir Press is 6700 psi - WH Press is 3925 psi - Rate(in) is 3.25 bpm, Rate(out) is 3.25bpm - Drill Time is 12 min - Stalls - None  Chemicals: - FR at 0.25-gal/10-bbl
9:24	0.88	COIL	MIL			0		Tag plug 9 of 36:  - Depth is 13,458' - Cir Press is 6700 psi - WH Press is 3900 psi - Rate(in) is 3.25 bpm, Rate(out) is 3.25bpm - Drill Time is 10 min - Stalls - None  Chemicals: - FR at 0.25-gal/10-bbl
10:17	0.62	COIL	MIL			0		Tag plug 10 of 36:  - Depth is 13,636' - Cir Press is 6700 psi - WH Press is 3900 psi - Rate(in) is 3.25 bpm, Rate(out) is 3.25bpm - Drill Time is 20 min - Stalls - 1  Chemicals: - FR at 0.25-gal/10-bbl Send 10bbl sweep. Continue to next plug.
10:54	0.52	COIL	MIL			0		Tag plug 11 of 36:  - Depth is 13,817' - Cir Press is 6700 psi - WH Press is 3900 psi - Rate(in) is 3.25 bpm, Rate(out) is 3.25bpm - Drill Time is 9 min

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12/16/2017

Well  
WellboreUNIVERSITY 19 J 0910H  
UNIVERSITY 19 J 0910H ST01

## Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
								- Stalls - None  Chemicals: - FR at 0.25-gal/10-bbl
11:25	1.50	COIL	MIL			0		CTD @ 13,900' Stop running in hole. Fix FR tote. Seeing high pressures. Hose was clogged off. Wait for pressure relief.
12:55	0.52	COIL	MIL			0		Tag plug 12 of 36:  - Depth is 13,996' - Cir Press is 6700 psi - WH Press is 3925 psi - Rate(in) is 3.25 bpm, Rate(out) is 3.25bpm - Drill Time is 8 min - Stalls - None  Chemicals: - FR at 0.25-gal/10-
13:26	0.57	COIL	MIL			0		Tag plug 13 of 36:  - Depth is 14,178' - Cir Press is 6500 psi - WH Press is 3925 psi - Rate(in) is 3.25 bpm, Rate(out) is 3.25bpm - Drill Time is 7min - Stalls -  Chemicals: - FR at 0.25-gal/10- Change out socks on pods at mixing plant.
14:00	1.03	COIL	MIL			0		Tag plug 14 of 36:  - Depth is 14,359' - Cir Press is 6500 psi - WH Press is 3925 psi - Rate(in) is 3.25 bpm, Rate(out) is 3.25bpm - Drill Time is 7min - Stalls - none  Chemicals: - FR at 0.25-gal/10- i-lube at 0.1-gal/10 ***NOTE*** Looks like we lost action from hydro-pull, still moving down hole. Send 5bbl slug of i-lube. Followed by 10bbl sweep.
15:02	1.08	COIL	MIL			0		Tag plug 15 of 36:  - Depth is 14,537' - Cir Press is 6400 psi - WH Press is 3925 psi - Rate(in) is 3.25 bpm, Rate(out) is 3.25bpm - Drill Time is 10 min - Stalls - none  Chemicals: - FR at 0.25-gal/10-i-lube at 0.1-gal/10 ***NOTE*** Still not seeing action from hydro-pull, monitor RIH speed
16:07	0.55	COIL	MIL			0		Tag plug 16 of 36:  - Depth is 14,718' - Cir Press is 6400 psi - WH Press is 3925 psi - Rate(in) is 3.25 bpm, Rate(out) is 3.25bpm - Drill Time is 7 min - Stalls - none  Chemicals: - FR at 0.25-gal/10-i-lube at 0.1-gal/10

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Report 30

12/16/2017

Well UNIVERSITY 19 J 0910H  
Wellbore UNIVERSITY 19 J 0910H ST01

## Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
								****NOTE*** Still not seeing action from hydro-pull, make phone calls to engineer.
16:40	0.83	COIL	PCT			0		CTD @ 14,740'
17:30	0.50	COIL	PCT			0		Decission was made to POOH and change BHA-(hydro-pull)
18:00	2.83	COIL	PCT			0		Crew change safety meeting.
20:50	0.83	COIL	CHB			0		Continue POOH.
21:40	1.83	COIL	CHB			0		CT at surface. Close the UMV ( 17 turns) and bleed off pressure thru the choke manifold. Break the lubricator and LD BHA. Visually inspect the CT and the connector, all is good.
								Drift the BHA with a 5/8" and 3/4" ball. MU the upper BHA (Check Valve, Jar and Disconnect). Pressure test the upper BHA to 2500-psi (good test). Bleed of pressure. Install the follow BHA:
								<ul style="list-style-type: none"> <li>- Weld-on CT Conn: OD - 2.88", Length - 0.25'</li> <li>- Check Valve: OD - 2.88", Length - 1.94'</li> <li>- Hydraulic Jars: OD - 2.89", Length - 6.45'</li> <li>- Hydr Disconnect: OD - 2.85", Length - 2.13' (3/4" ball seat)</li> <li>- Dual Circ Sub: OD - 2.88", Length - 1.39' (5/8" ball seat)</li> <li>- Tempress Screen: OD - 2.85", Length - 2.69'</li> <li>- Hydro-Pull: OD - 2.84", Length - 2.69'</li> <li>- Xtreme DH Motor: OD - 2.88", Length - 12.58'</li> <li>- Jet Thruster: OD - 2.88", Length - 1.45'</li> <li>- X-over: OD - 3.12", Length - 0.81'</li> <li>- Varrel Bit: OD - 3.75", Length - 0.42'</li> </ul>
								Total Length: 32.80-ft
								Function test the BHA at:
								- 3.0-bpm at 2250-psi
								- 3.5-bpm at 3000-psi
23:30	0.50	COIL	CHB			0		Stab lubricator and then open the crown valve (28 turns) Pressure test the BOPs and lubricator:
								- 500-psi for 5-min (good test)
								- 8000-psi for 10-min (good test)
<b>Total</b>	<b>24.00</b>							

## 06.00 Update

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Description
0:00	1.60	COIL	CHB			0	Bleed down pressure to 4000-psi to equalize with WHP. Open the UMV (17 turns) and start RIH to drill plugs.
1:36		COIL	CHB			0	Pick up weight at 10,950-ft is 21-klb. Increase rate to 3.5-bpm and continue RIH.

## EP WELLS DAILY OPERATIONS REPORT

Report 31

12/17/2017

Company	PERMIAN
Well Type	Development
Well	UNIVERSITY 19 J 0910H
Wellbore	UNIVERSITY 19 J 0910H ST01
WBS No/API No	30266566 / 4230133232.01

## Event Summary

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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: 2,800.90 / 2,772.90	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	3,027,416/3,721,244.00	Current MW / BH EMW(ppg)	/
Actual divided by AFE	0.81	LOT/FIT EMW(ppg)	
Daily Cost	135,411	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:							

## 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	30

## Operations Summary

24 Hour Summary
RIH after changing out BHA to continue drilling plugs.
Update Since Report Time
24 Hour Forecast



## EP WELLS DAILY OPERATIONS REPORT

Report 31

12/17/2017

Well UNIVERSITY 19 J 0910H  
Wellbore UNIVERSITY 19 J 0910H ST01

## Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	1.60	COIL	CHB			0		Bleed down pressure to 4000-psi to equalize with WHP. Open the UMW (17 turns) and start RIH to drill plugs.
1:36	2.15	COIL	CHB			0		Pick up weight at 10,950-ft is 21-klb. Increase rate to 3.5-bpm and continue RIH.
3:45	0.37	COIL	MIL			0		Tag plug 17 of 36:  - Depth is 14,897' - Cir Press is 6800 psi - WH Press is 4200 psi - Rate(in) is 3.5 bpm, Rate(out) is 3.6 bpm - Drill Time is 3 min - Stalls - None  Chemicals: - FR at 0.20-gal/10-bbl, I-Lub at 0.20 gal/10 bbl
4:07	0.32	COIL	MIL			0		Tag plug 18 of 36:  - Depth is 15,081' - Cir Press is 6700 psi - WH Press is 4200 psi - Rate(in) is 3.5 bpm, Rate(out) is 3.5 bpm - Drill Time is 3 min - Stalls - None  Chemicals: - FR at 0.20-gal/10-bbl, I-Lub at 0.20 gal/10 bbl
4:26	0.37	COIL	MIL			0		Tag plug 19 of 36:  - Depth is 15,258' - Cir Press is 6700 psi - WH Press is 4100 psi - Rate(in) is 3.5 bpm, Rate(out) is 3.4 bpm - Drill Time is 3 min - Stalls - None  Chemicals: - FR at 0.20-gal/10-bbl, I-Lub at 0.20 gal/10 bbl
4:48	0.22	COIL	MIL			0		Tag plug 20 of 36:  - Depth is 15,444' - Cir Press is 6900 psi - WH Press is 4000 psi - Rate(in) is 3.5 bpm, Rate(out) is 3.4 bpm - Drill Time is 3 min - Stalls - None  Chemicals: - FR at 0.18-gal/10-bbl, I-Lub at 0.20 gal/10 bbl
5:01	0.30	COIL	MIL			0		Tag plug 21 of 36:  - Depth is 15,621' - Cir Press is 6900 psi - WH Press is 4000 psi - Rate(in) is 3.5 bpm, Rate(out) is 3.4 bpm - Drill Time is 3 min - Stalls - None  Chemicals: - FR at 0.18-gal/10-bbl, I-Lub at 0.20 gal/10 bbl
5:19	0.18	COIL	MIL			0		Tag plug 22 of 36:  - Depth is 15,806' - Cir Press is 6800 psi - WH Press is 4000 psi - Rate(in) is 3.5 bpm, Rate(out) is 3.4 bpm - Drill Time is 3 min

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12/17/2017

Well UNIVERSITY 19 J 0910H  
Wellbore UNIVERSITY 19 J 0910H ST01

## Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
								- Stalls - None  Chemicals: - FR at 0.18-gal/10-bbl, I-Lub at 0.20 gal/10 bbl
5:30	0.10	COIL	MIL			0		Safety meeting with day crew.
5:36	0.45	COIL	MIL			0		Tag plug 23 of 36:  - Depth is 15,983' - Cir Press is 6600 psi - WH Press is 4000 psi - Rate(in) is 3.5 bpm, Rate(out) is 3.4 bpm - Drill Time is 2 min - Stalls - None  Chemicals: - FR at 0.18-gal/10-bbl, I-Lub at 0.20 gal/10 bbl
6:03	0.45	COIL	MIL			0		Tag plug 24 of 36:  - Depth is 16,164' - Cir Press is 6400 psi - WH Press is 4000 psi - Rate(in) is 3.5 bpm, Rate(out) is 3.4 bpm - Drill Time is 4 min - Stalls - None  Chemicals: - FR at 0.18-gal/10-bbl, I-Lub at 0.20 gal/10 bbl
6:30	0.37	COIL	MIL			0		Tag plug 25 of 36:  - Depth is 16,343' - Cir Press is 6400 psi - WH Press is 4000 psi - Rate(in) is 3.5 bpm, Rate(out) is 3.4 bpm - Drill Time is 4 min - Stalls - None  Chemicals: - FR at 0.18-gal/10-bbl, I-Lub at 0.20 gal/10 bbl
6:52	0.37	COIL	MIL			0		Tag plug 26 of 36:  - Depth is 16,520' - Cir Press is 6300 psi - WH Press is 4000 psi - Rate(in) is 3.5 bpm, Rate(out) is 3.4 bpm - Drill Time is 5 min - Stalls - None  Chemicals: - FR at 0.18-gal/10-bbl, I-Lub at 0.20 gal/10 bbl
7:14	0.40	COIL	MIL			0		Tag plug 27 of 36:  - Depth is 16,701' - Cir Press is 6500 psi - WH Press is 3900 psi - Rate(in) is 3.5 bpm, Rate(out) is 3.4 bpm - Drill Time is 4 min - Stalls - None  Chemicals: - FR at 0.18-gal/10-bbl, I-Lub at 0.20 gal/10 bbl
7:38	0.47	COIL	MIL			0		Tag plug 28 of 36:  - Depth is 16,882' - Cir Press is 6400 psi - WH Press is 3900 psi - Rate(in) is 3.5 bpm, Rate(out) is 3.4 bpm

## EP WELLS DAILY OPERATIONS REPORT

Report 31

12/17/2017

Well UNIVERSITY 19 J 0910H  
Wellbore UNIVERSITY 19 J 0910H ST01

## Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
								- Drill Time is 4 min - Stalls - None  Chemicals: - FR at 0.18-gal/10-bbl, I-Lub at 0.20 gal/10 bbl
8:06	0.48	COIL	MIL			0		Tag plug 29 of 36:  - Depth is 17,065' - Cir Press is 6400 psi - WH Press is 3900 psi - Rate(in) is 3.5 bpm, Rate(out) is 3.4 bpm - Drill Time is 4 min - Stalls - None  Chemicals: - FR at 0.18-gal/10-bbl, I-Lub at 0.20 gal/10 bbl
8:35	1.23	COIL	MIL			0		Tag plug 30 of 36:  - Depth is 17,244' - Cir Press is 6500 psi - WH Press is 3900 psi - Rate(in) is 3.5 bpm, Rate(out) is 3.4 bpm - Drill Time is 4 min - Stalls - None  Chemicals: - FR at 0.18-gal/10-bbl, I-Lub at 0.20 gal/10 bbl
9:49	0.52	COIL	MIL			0		Tag plug 31 of 36:  - Depth is 17,427' - Cir Press is 6900 psi - WH Press is 3900 psi - Rate(in) is 3.25 bpm, Rate(out) is 3.25 bpm - Drill Time is 3 min - Stalls - None  Chemicals: - FR at 0.35-gal/10-bbl, I-Lub at 0.20 gal/10 bbl
10:20	0.70	COIL	MIL			0		Tag plug 32 of 36:  - Depth is 17,602' - Cir Press is 6600 psi - WH Press is 3925 psi - Rate(in) is 3.25 bpm, Rate(out) is 3.25 bpm - Drill Time is 4 min - Stalls - None  Chemicals: - FR at 0.35-gal/10-bbl, I-Lub at 0.20 gal/10 bbl
11:02	0.80	COIL	MIL			0		Tag plug 33 of 36:  - Depth is 17,784' - Cir Press is 6700 psi - WH Press is 3925 psi - Rate(in) is 3.25 bpm, Rate(out) is 3.25 bpm - Drill Time is 5 min - Stalls - None  Chemicals: - FR at 0.35-gal/10-bbl, I-Lub at 0.20 gal/10 bbl
11:50	0.77	COIL	MIL			0		Tag plug 34 of 36:  - Depth is 17,964' - Cir Press is 6600 psi - WH Press is 3925 psi - Rate(in) is 3.25 bpm, Rate(out) is 3.25 bpm - Drill Time is 5 min

## EP WELLS DAILY OPERATIONS REPORT

Report 31

12/17/2017

Well UNIVERSITY 19 J 0910H  
Wellbore UNIVERSITY 19 J 0910H ST01

## Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
								- Stalls - None  Chemicals: - FR at 0.35-gal/10-bbl, I-Lub at 0.20 gal/10 bbl
12:36	0.73	COIL	MIL			0		Tag plug 35 of 36:  - Depth is 18,148' - Cir Press is 6600 psi - WH Press is 3900 psi - Rate(in) is 3.25 bpm, Rate(out) is 3.25 bpm - Drill Time is 5 min - Stalls - None  Chemicals: - FR at 0.35-gal/10-bbl, I-Lub at 0.20 gal/10 bbl
13:20	0.17	COIL	MIL			0		Tag plug 36 of 36:  - Depth is 18,320' - Cir Press is 6400 psi - WH Press is 3925 psi - Rate(in) is 3.25 bpm, Rate(out) is 3.25 bpm - Drill Time is 4 min - Stalls - None  Chemicals: - FR at 0.35-gal/10-bbl, I-Lub at 0.20 gal/10 bbl
13:30	0.58	COIL	MIL			0		CTD @ 18,335' Pump 10-10-10 sweep, wait for sweep to exit coil.
14:05	2.17	COIL	PCT			0		POOH 35'/min
16:15	1.25	COIL	PCT			0		CTD @ 13500', send 10 bbl sweep before the curve. Continue to POOH
17:30	0.50	COIL	PCT			0		Safety meeting with night crew
18:00	1.50	COIL	PCT			0		Continue POOH.
19:30	0.17	COIL	RGO			0		CT at surface. Close the LMV (31 turns) and pressure off pressure. Final WHP is 3800-psi.
19:40	0.08	COIL	RGO			0		Safety Pause to discuss the upcoming operations.
19:45	2.08	COIL	RGO			0		Open the bleed valves on the BOPs. Close the crown valve (28 turns). Break lubricator and LD BHA. LD the lubricator and rack back the injector head. ND the BOP stack. RU to pump biocide and pig thru the reel.
21:50	0.67	COIL	RGO			0		Pump bioside in reel and then displace reel with N2.
22:30	1.50	COIL	RGO			0		Test BOPs to 500-psi for 5-min and 10,000-psi for 10-min.  Continue RD while testing BOPs.
<b>Total</b>	<b>24.00</b>							

## 06.00 Update

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Description
0:00	2.00	COIL	RGO			0	Continue RD CT equipment. Continue RD Emerald Surf. Continue RD Extreme. Lay down the sand trap.
2:00	2.00	COIL	RGO			0	CT completely RD, move equipment to side of lease and wait for orders. RD flowback iron and Emerald Surf. Job is complete.

## EP WELLS DAILY OPERATIONS REPORT

Report 32

12/18/2017

Company	PERMIAN
Well Type	Development
Well	UNIVERSITY 19 J 0910H
Wellbore	UNIVERSITY 19 J 0910H ST01
WBS No/API No	30266566 / 4230133232.01

## Event Summary

Event Type	Completion only	Event Start Date	10/31/2017	Days on Location	32.00
Objective	Install Completion	Original Spud Date	06/14/2017		
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: 2,800.90 / 2,772.90	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	3,066,040/3,721,244.00	Current MW / BH EMW(ppg)	/
Actual divided by AFE	0.82	LOT/FIT EMW(ppg)	
Daily Cost	35,759	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:							

## 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	31

## Operations Summary

24 Hour Summary
Finish RD equipment and waiting on orders.
Update Since Report Time
24 Hour Forecast

## EP WELLS DAILY OPERATIONS REPORT

Report 32

12/18/2017

Well UNIVERSITY 19 J 0910H  
Wellbore UNIVERSITY 19 J 0910H ST01

## Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	2.00	COIL	RGO			0		Continue RD CT equipment. Continue RD Emerald Surf. Continue RD Extreme. Lay down the sand trap.
2:00	2.00	COIL	RGO			0		CT completely RD, move equipment to side of lease and wait for orders. RD flowback iron and Emerald Surf. Job is complete.
<b>Total</b>	<b>4.00</b>							

## EP WELLS DAILY OPERATIONS REPORT

Report 35

12/24/2017

Company	PERMIAN
Well Type	Development
Well	UNIVERSITY 19 J 0910H
Wellbore	UNIVERSITY 19 J 0910H ST01
WBS No/API No	30266566 / 4230133232.01

## Event Summary

Event Type	Completion only	Event Start Date	10/31/2017	Days on Location	35.00
Objective	Install Completion	Original Spud Date	06/14/2017		
Est. Days	65.00	Contractor	PERMIAN WELL SVC		
Work Unit	PERMIAN COMPLETIONS	Days To Release			
		Rig Phone/FAX No.			

## Well Status

Supervisor	JEFF PONTELL	Measured Depth(ft)	
Engineer	BOBBY RAMOS	TVD(ft)	
Other Supervisor	MIKE COIT/ELIZABETH TOMCZAK	24 Hr Progress(ft)	
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,800.90 / 2,772.90	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	3,202,134/3,721,244.00	Current MW / BH EMW(ppg)	/
Actual divided by AFE	0.86	LOT/FIT EMW(ppg)	
Daily Cost	9,967	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:							
66 MAN HOURS							
12 DRIVING HOURS							

## 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	34

## Operations Summary

24 Hour Summary
OFFLOAD AND TALLY TUBING. SHUT DOWN FOR CHRISTMAS UNTIL 12/26 AM.
Update Since Report Time
SHUT DOWN.
24 Hour Forecast
SHUT DOWN.

## EP WELLS DAILY OPERATIONS REPORT

Report 35

12/24/2017

Well UNIVERSITY 19 J 0910H  
Wellbore UNIVERSITY 19 J 0910H ST01

## Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	1.00	WOR	TBG			0		OFFLOAD TUBING. TALLY TUBING.  TRUCK #1 = 178 JOINTS, 6 10' PUPS, 1 8' PUP, 1 4' PUP TRUCK #2 = 182 JOINTS  229 JOINTS ON PIPE RACK 131 JOINTS ON GROUND TOTAL JOINTS ON LOCATION = 360 JOINTS 2 7/8 6.5# L80 8RD TBG
1:00	5.00	WOR	TBG			0		OPERATIONS SUSPENDED FOR CHRISTMAS HOLIDAY.
<b>Total</b>	<b>6.00</b>							

## Remarks

CURRENTLY ON RENT:

5 DESERT EQUIPMENT LIGHT PLANTS  
14 FRAC TANKS  
2 GAS BUSTERS  
1 R&R CONSTRUCTION TRASH TRAILER/PORTA JOHN COMBO  
1 PEAK SAFETY TRAILER  
1 PEAK OFFICE TRAILER  
1 SUNBELT MANLIFT  
1 SUNBELT FORKLIFT AND ATTACHMENTS



## EP WELLS DAILY OPERATIONS REPORT

Report 36

12/26/2017

Company	PERMIAN
Well Type	Development
Well	UNIVERSITY 19 J 0910H
Wellbore	UNIVERSITY 19 J 0910H
WBS No/API No	30266566 / 4230133232.00

## Event Summary

Event Type	Completion only	Event Start Date	10/31/2017	Days on Location	36.00
Objective	Install Completion	Original Spud Date	06/14/2017		
Est. Days	65.00	Contractor	PERMIAN WELL SVC		
Work Unit	PERMIAN COMPLETIONS	Days To Release			
		Rig Phone/FAX No.			

## Well Status

Supervisor	JEFF PONTELL/ELIZABETH TOMCZAK	Measured Depth(ft)	
Engineer	BOBBY RAMOS	TVD(ft)	
Other Supervisor	MIKE COIT	24 Hr Progress(ft)	
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,800.90 / 2,772.90	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	3,355,138/3,721,244.00	Current MW / BH EMW(ppg)	/
Actual divided by AFE	0.90	LOT/FIT EMW(ppg)	
Daily Cost	154,462	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:							
TOTAL MAN HRS: 292 NO INCIDENTS REPORTED.							

## HSE Drills

Drills/Tests	Date	Days Since Last		
Last Derrick Inspection			JSA's/Toolbox Talks	
Last BOP function test	12/23/2017	3	Days Since Last Drill	35
Last BOP Test	12/23/2017	3		
Next BOP Test	01/06/2018			

## Operations Summary

24 Hour Summary
INSTALL TBG AND GAS LIFT VALVES
Update Since Report Time
24 Hour Forecast
PRESSURE TEST ANNULUS, ND BOPE, NU PRODUCTION TREE, RD MOVE TO NEXT WELL ON PAD.

## EP WELLS DAILY OPERATIONS REPORT

Report 36

12/26/2017

Well UNIVERSITY 19 J 0910H  
Wellbore UNIVERSITY 19 J 0910H

## Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	5.50	WOR	NOA			0		NO ACTIVITY. OPERATIONS SUSPENDED FOR CHRISTMAS HOLIDAY.
5:30	0.50	WOR	PFT			0		PJSM. DISCUSS PLAN FOR DAY WITH HAZARDS AND PREVENTIONS/MITIGATIONS USING STEP 7 PROCESS. FILL OUT PERMITS AND JSAS.
6:00	1.75	WOR	PFT			0		CHECK PRESSURE: 7" CSG 200 PSI. BLEED OFF TO GAS BUSTER, 10 MIN, ALL GAS. PREPARE AREA, CHECK ALL SPECS ON GAS LIFT VALVES. ALIGN WITH SUPERIOR, HALLIBURTON ON PLACEMENT OF GAS LIFT VALVES AND TALLY.
7:45	0.50	WOR	TBG			0		MU BHA AS FOLLOWS: - HALLIBURTON ON/OFF TOOL (5.5" OD, 2.313" ID, 1.74' L) - 1 X JT 2-7/8" 8RD TBG (2.875" OD, 2.441" ID, 31.25' L) - SUPERIOR ENERGY ORIFICE VALVE (4.835" OD, 2.441" ID, 4.1' L) - 1 X JT 2-7/8" 8RD TBG (2.875" OD, 2.441" ID, 31.36' L) - 1 X 10' PUP JT 2-7/8" 8RD TBG (2.875" OD, 2.441" ID, 9.9' L)
8:15	4.25	WOR	TBG			0		RIH WITH TBG AND GAS LIFT VALVES PER DESIGN/PROG.  NOTE: RIG CREW NOTICED THREADS ON JTS 14 AND 15 WERE NOT FULLY BURIED. FIND GALLED THREADS ON BOTH PIN ENDS. INVESTIGATE AND FIND THAT FLOOR HANDS WERE NOT STARTING THREADS BY HAND. POOH WITH FIRST 13 JT STANDING BACK AND INSPECT THREADS ON ALL - LOOK GOOD. REPLACE JT 14 AND 15 WITH EXCESS TBG. PAUSE TO DISCUSS PROPER RUNNING PROCEDURES. CONTINUE RIH.
12:30	0.50	WOR	TBG			0		CREW LUNCH.
13:00	5.00	WOR	TBG			0		CONTINUE RIH WITH TBG. CREW CHANGE. PRE-JOB SAFETY MEETING
18:00	1.25	WOR	SOH			0		TAG PACKER WITH JT # 347 ( 4' IN ). DETERMINED SPACE OUT, LAYED DOWN JT # 347 & 346. PU WEIGHT, 60 PTS. INSTALLED CAMERON 7" X 2 7/8" 8RD TC-40 TBG HGR, 2 7/8" X 4' PUP JT, SLICK JT # 345, 2 7/8" X 10' & 2 7/8" X 8' PUP JT.
19:15	3.25	WOR	SOH			0		RU PUMP LINES, PRIMED PUMP, PRESSURE TESTED LINES TO 2000 PSI. CONVENTIONALLY CIRCULATED WELL WITH 400 BBLS FRESH WATER PACKER FLUID 3 BPM @ 800 PSI.
22:30	0.50	WOR	SOH			0		HELD TAILGATE SAFETY MEETING WITH RIG CREW, CAMERON, SUPERIOR, AND PRO OILFIELD TORQUE/TEST. DISCUSSED PLANNED OPERATIONS, POTENTIAL HAZARDS, AND REVIEWED 7-STEPS.
23:00	0.50	WOR	SOH			0		LANDED 2 7/8" 6.5# L-80 8RD PRODUCTION TUBING WITH GAS LIFT SYSTEM, ( 10 PTS COMPRESSION ).
23:30	0.50	WOR	SOH			0		RU PUMP LINES PRESSURED UP ON TUBING TO 1000 PSI WITH RIG PUMP. MIRU TEST UNIT.
<b>Total</b>	<b>24.00</b>							

## 06.00 Update

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Description
0:00	1.00	WOR	PTP			0	PRESSURED UP ON 2 7/8" PRODUCTION TUBING TO 2000 PSI, SWI WITH SAFETY VALVE. PRESSURE TESTED PACKER, ANNULUS, AND HANGER TO 1500 PSI. CHART RECORDED TEST FOR 10 MINUTES., GOOD TEST. BLED TUBING AND CASING PRESSURES TO 0 PSI. LAYED DOWN LANDING JOINT. SWI WITH 7 1/16" 10 K FRAC VALVE.
1:00	1.50	WOR	NDB			0	RD RIG FLOOR, ND BIRD BATH & 7 1/16" 10K DOUBLE GATE HYDRAULIC BOPE. MOVED BOPE TO NEXT WELL ON PAD ( 1404H ), FUNCTION TESTED AND TORQUED FLANGE.
2:30	0.50	WOR	NUT			0	INSTALLED BPV IN HGR, ND 7 1/16" 10K FRAC VALVE. NU 2 9/16" 10K ( 3 ) VALVE PRODUCTION TREE WITH 2 9/16" 10K X 7 1/16" 10K TUBING HEAD ADAPTER.

## EP WELLS DAILY OPERATIONS REPORT

Report 36

12/26/2017

Well	UNIVERSITY 19 J 0910H
Wellbore	UNIVERSITY 19 J 0910H

## Remarks

CURRENTLY ON RENT:

5 DESERT EQUIPMENT LIGHT PLANTS  
14 FRAC TANKS  
2 GAS BUSTERS  
1 R&R CONSTRUCTION TRASH TRAILER/PORTA JOHN COMBO  
1 PEAK SAFETY TRAILER  
1 PEAK OFFICE TRAILER  
1 SUNBELT MANLIFT  
1 SUNBELT FORKLIFT AND ATTACHMENTS

## EP WELLS DAILY OPERATIONS REPORT

Report 37

12/27/2017

Company	PERMIAN
Well Type	Development
Well	UNIVERSITY 19 J 0910H
Wellbore	UNIVERSITY 19 J 0910H
WBS No/API No	30266566 / 4230133232.00

## Event Summary

Event Type	Completion only	Event Start Date	10/31/2017	Days on Location	37.00
Objective	Install Completion	Original Spud Date	06/14/2017		
Est. Days	65.00	Contractor	PERMIAN WELL SVC		
Work Unit	PERMIAN COMPLETIONS	Days To Release			
		Rig Phone/FAX No.			

## Well Status

Supervisor	JEFF PONTELL/ELIZABETH TOMCZAK	Measured Depth(ft)	
Engineer	BOBBY RAMOS	TVD(ft)	
Other Supervisor	MIKE COIT	24 Hr Progress(ft)	
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,800.90 / 2,772.90	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	3,379,522/3,721,244.00	Current MW / BH EMW(ppg)	/
Actual divided by AFE	0.91	LOT/FIT EMW(ppg)	
Daily Cost	45,520	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:							
312 TOTAL MAN HOUR							
43 TOTAL DRIVE HOUR							

## HSE Drills

Drills/Tests	Date	Days Since Last		
Last Derrick Inspection			JSA's/Toolbox Talks	
Last BOP function test	12/23/2017	4	Days Since Last Drill	36
Last BOP Test	12/23/2017	4		
Next BOP Test	01/06/2018			

## Operations Summary

24 Hour Summary
LAND TBG TEST ANNULUS NU/TEST PRODUCTION TREE.
Update Since Report Time
WELL COMPLETE, AWAIT INSTALLATION OF CHOKE, TUBING PRESSURE TEST, DHPG INSTALL
24 Hour Forecast
WAIT ON OTHER PAD OPERATIONS.

## EP WELLS DAILY OPERATIONS REPORT

Report 37

12/27/2017

Well UNIVERSITY 19 J 0910H  
Wellbore UNIVERSITY 19 J 0910H

## Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	1.00	WOR	PTP			0		PRESSURED UP ON 2 7/8" PRODUCTION TUBING TO 2000 PSI, SWI WITH SAFETY VALVE. PRESSURE TESTED PACKER, ANNULUS, AND HANGER TO 1500 PSI. CHART RECORDED TEST FOR 10 MINUTES., GOOD TEST. BLED TUBING AND CASING PRESSURES TO 0 PSI. LAYED DOWN LANDING JOINT. SWI WITH 7 1/16" 10 K FRAC VALVE.
1:00	1.50	WOR	NDB			0		RD RIG FLOOR, ND BIRD BATH & 7 1/16" 10K DOUBLE GATE HYDRAULIC BOPE. MOVED BOPE TO NEXT WELL ON PAD ( 1404H ), FUNCTION TESTED AND TORQUED FLANGE.
2:30	0.50	WOR	NUT			0		INSTALLED BPV IN HGR, ND 7 1/16" 10K FRAC VALVE. NU 2 9/16" 10K ( 3 ) VALVE PRODUCTION TREE WITH 2 9/16" 10K X 7 1/16" 10K TUBING HEAD ADAPTER.
3:00	1.75	WOR	PTW			0		PRESSURE TESTED VOID TO 10,000 PSI, PULLED BPV, INSTALLED 2-WAY CHECK. PRESURE TESTED TREE 500 PSI LOW, 8500 PSI HIGH. CHART RECORDED TEST. PULLED 2-WAY CHECK. CIRCULATED 10 PPG BRINE THRU PUMP LINES AND RIG PUMP TO PREVENT FREEZING.
4:45	0.50	WOR	PTW			0		RIGGED DOWN WORKOVER
<b>Total</b>	<b>5.25</b>							

## Remarks

CURRENTLY ON RENT:

5 DESERT EQUIPMENT LIGHT PLANTS  
14 FRAC TANKS  
2 GAS BUSTERS  
1 R&R CONSTRUCTION TRASH TRAILER/PORTA JOHN COMBO  
1 PEAK SAFETY TRAILER  
1 PEAK OFFICE TRAILER  
1 SUNBELT MANLIFT  
1 SUNBELT FORKLIFT AND ATTACHMENTS

## EP WELLS DAILY OPERATIONS REPORT

Report 40

01/01/2018

Company	PERMIAN
Well Type	Development
Well	UNIVERSITY 19 J 0910H
Wellbore	UNIVERSITY 19 J 0910H ST01
WBS No/API No	30266566 / 4230133232.01

## Event Summary

Event Type	Completion only	Event Start Date	10/31/2017	Days on Location	40.00
Objective	Install Completion	Original Spud Date	06/14/2017		
Est. Days	65.00	Contractor	PERMIAN WELL SVC		
Work Unit	PERMIAN COMPLETIONS	Days To Release			
		Rig Phone/FAX No.			

## Well Status

Supervisor	JEFF PONTELL/ELIZABETH TOMCZAK	Measured Depth(ft)	
Engineer	BOBBY RAMOS	TVD(ft)	
Other Supervisor	MIKE COIT	24 Hr Progress(ft)	
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,800.90 / 2,772.90	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	3,393,277/3,721,244.00	Current MW / BH EMW(ppg)	/
Actual divided by AFE	0.91	LOT/FIT EMW(ppg)	
Daily Cost	0	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:							

## HSE Drills

Drills/Tests	Date	Days Since Last		
Last Derrick Inspection	12/23/2017	9	JSA's/Toolbox Talks	
Last BOP function test	12/23/2017	9	Days Since Last Drill	39
Last BOP Test	01/06/2018			
Next BOP Test				

## Operations Summary

24 Hour Summary
INSTALL DHPG
Update Since Report Time
24 Hour Forecast

## EP WELLS DAILY OPERATIONS REPORT

Report 40

01/01/2018

Well UNIVERSITY 19 J 0910H  
Wellbore UNIVERSITY 19 J 0910H ST01

## Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
7:30	0.50	SLBL	RWL			0		PJSM. DISCUSS PLAN FOR DAY WITH HAZARDS AND PREVENTIONS, MITIGATIONS AND STEP 7 PROCESS.
8:00	1.00	SLBL	RWL			0		SPOT IN MAST UNIT, CHECK CERTS ON LIFTING AND HOISTING EQUIPMENT AND PRESSURE CONTROL EQUIPMENT.
9:00	5.58	SLBL	RWL			0		<p>NU SLICKLINE FLANGES ON 0910H AND 0904H WELL. SWAP STUFFING BOX PRECISION COULD NOT PROVIDE CERTIFICATIONS FOR STUFFING BOX INSTALLED.</p> <p>AWAIT DELIVERY OF 50/50 GLYCOL TO LOCATION. PRO HAD SHORTAGE AND NEEDED TO PICK UP/MIX FROM ODESSA YARD.</p> <p>TARP AND HEAT WELLHEADS.</p> <p>CHECK SICP 600 PSI.</p>
14:35	1.75	SLBL	RWL			0		<p>STAB LUBRICATOR AND ZERO TOOLSTRING AT GL. PRESSURE TEST LUBRICATOR TO 500 PSI/5 MIN, 5000 PSI/5 MIN HIGH. EQUALIZE TO SITHP 4000 PSI AND OPEN WELL FULL RDS ALL VALVES. RIH WITH FOLLOWING TOOLSTRING (ALL DIMENSIONS VERIFIED):</p> <ul style="list-style-type: none"> <li>- ROPE SOCKET (6.125" L, 1.5" OD, 1-3/8" FN)</li> <li>- KNUCKLE JT (10.25" L, 1.5" OD, 1-3/8" FN)</li> <li>- WT BAR (58.875", 1.5" OD, 1-3/8" FN)</li> <li>- KNUCKLE JT (9" L, 1.5" OD, 1-3/8" FN)</li> <li>- WT BAR (59", 1.5" OD, 1-3/8" FN)</li> <li>- KNUCKLE JT (8.75" L, 1.5" OD, 1-3/8" FN)</li> <li>- SPANG JARS (85.125" L OPEN, 55.25" L CLOSED, 1.5" OD, 1-3/8" FN)</li> <li>- GAUGE RING (8" L OPEN, 2.29" OD, 1-3/8" FN)</li> </ul> <p>RIH AT 500 FPM. WT CHK AT 5000' 200 LBF. WT CHK 10000' 300 LBF. TAG X 10946', TAG XN 10971'.</p> <p>POOH, PUMPING 50/50 GLYCOL MIX FROM 3000' UP.</p>
16:20	2.67	SLBL	RWL			0		<p>BUMP UP, SITHP 4000 PSI. BLEED OFF, BREAK OFF. MU DHPG TOOLSTRING AS FOLLOWS (ALL DIMENSIONS VERIFIED):</p> <ul style="list-style-type: none"> <li>- ROPE SOCKET (6.125" L, 1.5" OD, 1-3/8" FN)</li> <li>- KNUCKLE JT (10.25" L, 1.5" OD, 1-3/8" FN)</li> <li>- WT BAR (58.875", 1.5" OD, 1-3/8" FN)</li> <li>- KNUCKLE JT (9" L, 1.5" OD, 1-3/8" FN)</li> <li>- WT BAR (59", 1.5" OD, 1-3/8" FN)</li> <li>- KNUCKLE JT (8.75" L, 1.5" OD, 1-3/8" FN)</li> <li>- SPANG JARS (85.125" L OPEN, 55.25" L CLOSED, 1.5" OD, 1-3/8" FN)</li> <li>- XN FLOW THRU LOCK (31.75" L, 2.275" OD)</li> <li>- PERF SUB (18.25" L, 2.3" OD)</li> <li>- SHOCK ABSORBER (13-5/8" L, 1.25" OD)</li> <li>- TANDEM DOWNHOLE PRESSURE GAUGES (33-5/8" L, 1.25" OD)</li> </ul> <p>STAB AND PRESSURE TEST LUBRICATOR TO 500 PSI/5 MIN LOW, 5000 PSI/5 MIN HIGH GOOD TEST.</p> <p>EQUALIZE, OPEN WELL FULL ROUNDS ALL VALVES, AND RIH AT 250 FPM. WT CHK WT CHK AT 350 FPM UP 750 LBF ON BTM HANGING WT 315 LBF. TAG XN 10980'. JAR DOWN/JAR UP AND SET DHPG.</p> <p>POOH, PUMPING 50/50 GLYCOL MIX FROM 3000' UP.</p>
19:00	0.50	SLBL	RWL			0		<p>BUMP UP, SHUT IN FULL RDS ALL VALVES, BLEED OFF STACK. BREAK LUBRICATOR, LAY OVER MAST UNIT, MOVE TO NEXT WELL.</p>

EP WELLS DAILY OPERATIONS REPORT

Report 40 01/01/2018

Well UNIVERSITY 19 J 0910H  
Wellbore UNIVERSITY 19 J 0910H ST01

Total 12.00