

EP WELLS DAILY OPERATIONS REPORT

Report 2

03/15/2019

Company PERMIAN
 Well Type Development
 Well UNIVERSITY 20 TG UNIT 2705H
 Wellbore UNIVERSITY 20 TG UNIT 2705H
 WBS No/API No 30297719 / 4249534171.00



Event Summary

Event Type	Completion only	Event Start Date	03/13/2019	Days on Location	2.00
Objective	Install Completion	Original Spud Date	10/31/2018		
Est. Days	90.00	Contractor	PERMIAN WELL SVC		
Work Unit	PERMIAN COMPLETIONS	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	Dave Stein	Measured Depth(ft)	
Engineer	Bobby Ramos	TVD(ft)	
Other Supervisor	Elizabeth Tomczak	24 Hr Progress(ft)	
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,801.30 / 2,775.30	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	89,110/3,858,789.00	Current MW / BH EMW(ppg)	/
Actual divided by AFE	0.02	LOT/FIT EMW(ppg)	
Daily Cost	22,539	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	JSA's/Toolbox Talks Days Since Last Drill
Last Derrick Inspection Last BOP function test Last BOP Test Next BOP Test			1

Operations Summary

24 Hour Summary
Stab lubricator and RIH with a radial bond log tool.
Update Since Report Time
24 Hour Forecast
Run CBL via tractor.

EP WELLS DAILY OPERATIONS REPORT

Report 2

03/15/2019

Well UNIVERSITY 20 TG UNIT 2705H
 Wellbore UNIVERSITY 20 TG UNIT 2705H

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	6.00	WINF	RGU			0		No activity. WOD for WL crews to AOL.
6:00	0.50	WINF	RGU			0		Prejob safety meeting and orientation with day crews. Discussed the workscope and the associated hazards. Review the 12 LSR and the UnCAAP process.
6:30	0.50	WINF	RGU			0		Pre-inspection of the equipment. Stab lubricator on the BOPs. Open the LMV (24 turns).
7:00	2.75	WINF	RGU			0		RIH with Radial logging tool. Tool string consist of the following: - Cable Head: Length 1.02', OD 1.44" - Knuckle Joint: Length 2.17', OD 1.44" - Centralizer: 2.71', OD 2.75" - Radial CBL: 9.39', OD 2.75" - Centralizer: 2.71', OD 2.75" - Knuckle Joint: Length 2.17', OD 1.44" - CCL: Length 1.82', OD 3.12" - Gammer Ray: Length 3.67', OD 2.75" - Centralizer: 2.96', OD 2.75" Total Length: 28.91-ft, Total Weight: 212-lbf Log downward from 9500-ft to 11,790-ft. Stop moving downward at 11,790-ft. PU 90-ft and RBIH at 100-fpm. Stopped at approximately the same depth. PU to take ou the line slack. PU to 11,777-ft with a PU weight of 2100-lb.
9:45	0.58	WINF	RGU			0		Apply 2000-psi to the wellbore. POOH at 50-fpm while logging with the radial logging tool. Log from 11,777-ft up to 9450-ft.
10:20	0.42	WINF	RGU			0		Run back in hole from a depth of 9450-ft
10:45	2.25	WINF	RGU			0		At a depth of 11,779-ft, apply 4000-psi to the wellbore. Start POOH at 50-fpm while logging with the radial logging tool. Log from 11,779-ft to 9450-ft. 11:40 Finish logging, depth at a depth of 9450-ft. Bleed off wellbore pressure to 0-psi. Pull back to surface. 12:40 Eline at surface. Close the LMV (24 turns). LD lubricator and break off the logging tools. Install night cap and secure well. Review logs, showing no cement above 11,320-ft and a channel down to 11,777-ft. Plan to rerun the CBL using a tractor. SDFN.
13:00	11.00	WINF	RGU			0		No activity.
Total	24.00							

06.00 Update

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Description
0:00		WINF	RGU			0	Run hydraulic hoses while spotting and rigging up zipper manifold.

EP WELLS DAILY OPERATIONS REPORT

Report 3 03/16/2019

Company PERMIAN
 Well Type Development
 Well UNIVERSITY 20 TG UNIT 2705H
 Wellbore UNIVERSITY 20 TG UNIT 2705H
 WBS No/API No 30297719 / 4249534171.00



Event Summary

Event Type	Completion only	Event Start Date	03/13/2019	Days on Location	3.00
Objective	Install Completion	Original Spud Date	10/31/2018		
Est. Days	90.00	Contractor	PERMIAN WELL SVC		
Work Unit	PERMIAN COMPLETIONS	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	Dave Stein	Measured Depth(ft)	
Engineer	Bobby Ramos	TVD(ft)	
Other Supervisor	Elizabeth Tomczak	24 Hr Progress(ft)	
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,801.30 / 2,775.30	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	201,682/3,858,789.00	Current MW / BH EMW(ppg)	/
Actual divided by AFE	0.05	LOT/FIT EMW(ppg)	
Daily Cost	112,571	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	JSA's/Toolbox Talks Days Since Last Drill
Last Derrick Inspection Last BOP function test Last BOP Test Next BOP Test			2

Operations Summary

24 Hour Summary
Perform tractor e-line run. Pressure test lower frac tree.
Update Since Report Time
24 Hour Forecast
RU flowback.

EP WELLS DAILY OPERATIONS REPORT

Report 3

03/16/2019

Well UNIVERSITY 20 TG UNIT 2705H
Wellbore UNIVERSITY 20 TG UNIT 2705H

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	6.00	WINF	RGU			0		Run hydraulic hoses while spotting and rigging up zipper manifold.
6:00	0.50	WINF	RGU			0		Prejob safety meeting and orientation with day crews. Discuss the worksopes for each group.
6:30	0.33	WINF	RGU			0		Reposition the eline unit to avoid contact with the hydraulic accumulators.
6:50	2.58	WINF	RGU			0		Prepare the DH tractor. Preheat the oil and fill the chamber. Function test the tractor. Reconfigure the CBL with an extra centralizer. MU the DH tool and function test via the eline. Slide the tools inside the lubricator.
9:25	0.33	WINF	RGU			0		PU lubricator and stab on the BOPs. Open the LMV (24 turns).
9:45	3.08	WINF	RGU			0		Start RIH with the CBL and the tractor. WHP is 0-psi. Tool string consisted of the following: - Cable Head: Length 1.02', OD 1.44" - Welltec Tractor: Length 18.83', 3.12" - Knuckle Joint: Length 2.17', OD 1.44" - Centralizer: 2.71', OD 2.75" - Centralizer: 2.71', OD 2.75" - Radial CBL: 9.39', OD 2.75" - Centralizer: 2.71', OD 2.75" - Knuckle Joint: Length 2.17', OD 1.44" - CCL: Length 1.82', OD 3.12" - Gammer Ray: Length 3.67', OD 2.75" - Centralizer: 2.96', OD 2.75" Total Length: 47.74-ft, Total Weight: 577-lbf At 11,700-ft, start tractoring downward. Shut down the tractor at 14,600-ft. PU to pull out the line slack. PU weight is 2300-lb.
12:50	2.00	WINF	RGU			0		Apply 4000-psi to the wellbore. POOH at 50-fpm while logging between 14,600-ft to 9500-ft.
14:50	1.25	WINF	RGU			0		At a depth of 9500-ft start bleed off pressure to 0-psi. Continue pulling back to surface.
16:05	1.92	WINF	RGU			0		Eline at surface. Close the LMV (24 turns) and bleed off the pressure. LD the lubricator and remove the tools. RD eline unit and crane. Eline job complete.
18:00	3.00	WINF	RGU			0		RU lower frac stack / OPO.
21:00	0.50	WINF	RGU			0		Begin shell testing lower frac stack with valve alignment as follows: LMV = closed. HUMV = open. All wing valves: open. Test low 500 psi for 5 minutes and high 12,400 psi for 5 minutes. Good tests, bleed down.
21:30	2.50	WINF	RGU			0		OPO.
Total	24.00							

06.00 Update

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Description
0:00		WINF	RGU			0	OPO. Running hydraulic accumulator hoses.

EP WELLS DAILY OPERATIONS REPORT

Report 4

03/17/2019

Company PERMIAN
 Well Type Development
 Well UNIVERSITY 20 TG UNIT 2705H
 Wellbore UNIVERSITY 20 TG UNIT 2705H
 WBS No/API No 30297719 / 4249534171.00



Event Summary

Event Type	Completion only	Event Start Date	03/13/2019	Days on Location	4.00
Objective	Install Completion	Original Spud Date	10/31/2018		
Est. Days	90.00	Contractor	PERMIAN WELL SVC		
Work Unit	PERMIAN COMPLETIONS	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	Dave Stein	Measured Depth(ft)	
Engineer	Bobby Ramos	TVD(ft)	
Other Supervisor	Elizabeth Tomczak	24 Hr Progress(ft)	
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,801.30 / 2,775.30	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	210,353/3,858,789.00	Current MW / BH EMW(ppg)	/
Actual divided by AFE	0.05	LOT/FIT EMW(ppg)	
Daily Cost	8,671	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	JSA's/Toolbox Talks Days Since Last Drill
Last Derrick Inspection Last BOP function test Last BOP Test Next BOP Test			3

Operations Summary

24 Hour Summary
RU flowback.
Update Since Report Time
24 Hour Forecast
Complete Prework

EP WELLS DAILY OPERATIONS REPORT

Report 4

03/17/2019

Well UNIVERSITY 20 TG UNIT 2705H
 Wellbore UNIVERSITY 20 TG UNIT 2705H

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	6.00	PREW	RUF			0		OPO. Running hydraulic accumulator hoses.
6:00	0.50	PREW	RUF			0		Prejob safety meeting with day crews.
6:30	2.00	PREW	RUF			0		Pre-inspection of the forklift. Clear the area where the flowback equipment will be RU.
8:30	6.50	PREW	RUF			0		Start RU the flowback equipment. Weld covers on mousehole. Continue trouble shooting the hydraulic line between the valves and the accumulators.
15:00	1.00	PREW	RUF			0		Function test the hydraulic valves on the zipper manifold (good).
16:00	2.00	PREW	RUF			0		Other pad operations.
Total	18.00							

06.00 Update

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Description
0:00		PREW	RUF			0	Other pad operations.

EP WELLS DAILY OPERATIONS REPORT

Report 5

03/18/2019

Company PERMIAN
 Well Type Development
 Well UNIVERSITY 20 TG UNIT 2705H
 Wellbore UNIVERSITY 20 TG UNIT 2705H
 WBS No/API No 30297719 / 4249534171.00



Event Summary

Event Type	Completion only	Event Start Date	03/13/2019	Days on Location	5.00
Objective	Install Completion	Original Spud Date	10/31/2018		
Est. Days	90.00	Contractor	PERMIAN WELL SVC		
Work Unit	PERMIAN COMPLETIONS	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	Dave Stein	Measured Depth(ft)	
Engineer	Bobby Ramos	TVD(ft)	
Other Supervisor	Elizabeth Tomczak	24 Hr Progress(ft)	
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,801.30 / 2,775.30	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	218,695/3,858,789.00	Current MW / BH EMW(ppg)	/
Actual divided by AFE	0.06	LOT/FIT EMW(ppg)	
Daily Cost	8,342	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	JSA's/Toolbox Talks Days Since Last Drill
Last Derrick Inspection Last BOP function test Last BOP Test Next BOP Test			4

Operations Summary

24 Hour Summary
Update Since Report Time
24 Hour Forecast

EP WELLS DAILY OPERATIONS REPORT

Report 5

03/18/2019

Well UNIVERSITY 20 TG UNIT 2705H
Wellbore UNIVERSITY 20 TG UNIT 2705H

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	6.00	PREW	RUF			0		Other pad operations.
6:00	7.00	PREW	RUF			0		Stage equip. in place to remove blind flanges & install caps with iddle valves flush flow back iron Pressure test flow back iron UMHV on 2704H, 2705H, 2706H 3" flow back iron all wells 2" flow back iron all wells Plug catcher Primary 2" choke manifold 500 psi low 5 min 12,500 psi high 5 min good test Rig up torque and test manifold to all casing
13:00	6.00	PREW	RUF			0		Set and test all casing pop off's 5.5 x 7.625 and perform casing test to 2700 psi
19:00		PREW	RUF			0		While trying to PSI Test 5-1/2"X7-5/8" Annulus the PSI increased to 700 psi and lined out as if injection was established. Decision was made to SD and discuss with engineering. Decision was made to halt operations and move forward with other pad ops. Total BBLS Pumped = 5.5 bbls
Total	19.00							

EP WELLS DAILY OPERATIONS REPORT

Report 6

03/19/2019

Company PERMIAN
 Well Type Development
 Well UNIVERSITY 20 TG UNIT 2705H
 Wellbore UNIVERSITY 20 TG UNIT 2705H
 WBS No/API No 30297719 / 4249534171.00



Event Summary

Event Type	Completion only	Event Start Date	03/13/2019	Days on Location	6.00
Objective	Install Completion	Original Spud Date	10/31/2018		
Est. Days	90.00	Contractor	PERMIAN WELL SVC		
Work Unit	PERMIAN COMPLETIONS	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	ERIC BRUNET	Measured Depth(ft)	
Engineer	Bobby Ramos	TVD(ft)	
Other Supervisor	CHRIS HARPER/CREIGHTON	24 Hr Progress(ft)	
Depth Ref/Grd Elev/Water Depth(ft)	AUCOIN	Hole size(in)	
	DFE: 2,801.30 / 2,775.30		
THF Datum			
Daily NPT(hr/%)	0/0	Last Casing MD	
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	
Actual cost to date/AFE	235,797/3,858,789.00	Current MW / BH EMW(ppg)	/
Actual divided by AFE	0.06	LOT/FIT EMW(ppg)	
Daily Cost	17,101	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	JSA's/Toolbox Talks Days Since Last Drill
Last Derrick Inspection Last BOP function test Last BOP Test Next BOP Test			5

Operations Summary

24 Hour Summary
iron ran, restrained and tested. Backside POP-OFFs set @ 3000 psi. Attempted to test 5 1/2 by 7 5/8 casing, pumped 5 1/2 bbls and pressured up to 700 as if we were injecting. shut down and cosult with engineer. (test no good). move forward with other pad operations.
Update Since Report Time
5 1/2 by 7 5/8 casing test no good, move forward with other pad operations.
24 Hour Forecast
begin Fracking on first 3 wells of pad

EP WELLS DAILY OPERATIONS REPORT

Report 6

03/19/2019

Well UNIVERSITY 20 TG UNIT 2705H
 Wellbore UNIVERSITY 20 TG UNIT 2705H

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	24.00	PREW	RUF			0		waiting on other pad operations
Total	24.00							

EP WELLS DAILY OPERATIONS REPORT

Report 7

03/20/2019

Company PERMIAN
 Well Type Development
 Well UNIVERSITY 20 TG UNIT 2705H
 Wellbore UNIVERSITY 20 TG UNIT 2705H
 WBS No/API No 30297719 / 4249534171.00



Event Summary

Event Type	Completion only	Event Start Date	03/13/2019	Days on Location	7.00
Objective	Install Completion	Original Spud Date	10/31/2018		
Est. Days	90.00	Contractor	PERMIAN WELL SVC		
Work Unit	PERMIAN COMPLETIONS	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	ERIC BRUNET	Measured Depth(ft)	
Engineer	Bobby Ramos	TVD(ft)	
Other Supervisor	CHRIS HARPER/CREIGHTON	24 Hr Progress(ft)	
Depth Ref/Grd Elev/Water Depth(ft)	AUCOIN	Hole size(in)	
	DFE: 2,801.30 / 2,775.30		
THF Datum			
Daily NPT(hr/%)	0/0	Last Casing MD	
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	
Actual cost to date/AFE	252,898/3,858,789.00	Current MW / BH EMW(ppg)	/
Actual divided by AFE	0.07	LOT/FIT EMW(ppg)	
Daily Cost	17,101	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	JSA's/Toolbox Talks Days Since Last Drill
Last Derrick Inspection Last BOP function test Last BOP Test Next BOP Test			6

Operations Summary

24 Hour Summary
Update Since Report Time
24 Hour Forecast

EP WELLS DAILY OPERATIONS REPORT

Report 7

03/20/2019

Well UNIVERSITY 20 TG UNIT 2705H
 Wellbore UNIVERSITY 20 TG UNIT 2705H

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
Total								

EP WELLS DAILY OPERATIONS REPORT

Report 8

03/21/2019

Company PERMIAN
 Well Type Development
 Well UNIVERSITY 20 TG UNIT 2705H
 Wellbore UNIVERSITY 20 TG UNIT 2705H
 WBS No/API No 30297719 / 4249534171.00



Event Summary

Event Type	Completion only	Event Start Date	03/13/2019	Days on Location	8.00
Objective	Install Completion	Original Spud Date	10/31/2018		
Est. Days	90.00	Contractor	PERMIAN WELL SVC		
Work Unit	PERMIAN COMPLETIONS	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	REY MADRID	Measured Depth(ft)	
Engineer	Bobby Ramos	TVD(ft)	
Other Supervisor	KEVIN MACKER/CREIGHTON AUCOIN	24 Hr Progress(ft)	
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,801.30 / 2,775.30	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	165,770/3,858,789.00	Current MW / BH EMW(ppg)	/
Actual divided by AFE	0.04	LOT/FIT EMW(ppg)	
Daily Cost	17,101	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	JSA's/Toolbox Talks Days Since Last Drill
Last Derrick Inspection Last BOP function test Last BOP Test Next BOP Test			7

Operations Summary

24 Hour Summary
waiting on other pad operations
Update Since Report Time
continue fracking first 3 wells of pad
24 Hour Forecast
continue waiting on othe pad operations

EP WELLS DAILY OPERATIONS REPORT

Report 8

03/21/2019

Well UNIVERSITY 20 TG UNIT 2705H
Wellbore UNIVERSITY 20 TG UNIT 2705H

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
Total								