

EP WELLS DAILY OPERATIONS REPORT

Report 2

03/15/2019

Company PERMIAN
 Well Type Development
 Well UNIVERSITY 20 PW UNIT 2704H
 Wellbore UNIVERSITY 20 PW UNIT 2704H
 WBS No/API No 30297718 / 4249534170



Event Summary

Event Type	Completion only	Event Start Date	03/13/2019	Days on Location	2.00
Objective	Install Completion	Original Spud Date	10/26/2018		
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	91,949/4,699,358.00	Current MW / BH EMW(ppg)	/
Actual divided by AFE	0.02	LOT/FIT EMW(ppg)	
Daily Cost	27,874	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		
Last Derrick Inspection Last BOP function test Last BOP Test Next BOP Test			JSA's/Toolbox Talks Days Since Last Drill	1

Operations Summary

24 Hour Summary
Pressure test tubing spool and RU frac stack.
Update Since Report Time
24 Hour Forecast
Pressure test lower frac tree.

EP WELLS DAILY OPERATIONS REPORT

Report 2

03/15/2019

Well UNIVERSITY 20 PW UNIT 2704H
Wellbore UNIVERSITY 20 PW UNIT 2704H

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	1.00	PREW	RUF			0		Remove TA cap. Install HP plug off tool and install tubing spool with frac valve. Torque same
1:00	3.00	PREW	RUF			0		OPO.
4:00	1.00	PREW	RUF			0		Test between T seals to 15,000 psi for 10 minutes. Test void to 10,000 psi for 10 minutes. Bleed off.
5:00	3.00	PREW	RUF			0		Shell test low 500 psi for 5 minutes and high 15,000 psi for 10 minutes. Good tests, bleed off pressure. Remove HP plug off tool and BPV.
8:00	5.00	PREW	RUF			0		Prejob safety meeting and orientation with crews. Pre-inspection of the equipment. Prepare to off load truck. Off load all the trees, zipper manifolds, hydraulic accumulators and hoses for all the wells. Note: Running CBL on the 2705H well during this time.
13:00	4.00	PREW	RUF			0		NU lower frac trees. Modify the cellar covers.
17:00	1.00	PREW	RUF			0		RU the hydraulic accumulators.
18:00	6.00	PREW	RUF			0		No activity.
Total	24.00							

06.00 Update

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Description
0:00		PREW	RUF			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 PW UNIT 2704H
 Wellbore UNIVERSITY 20 PW UNIT 2704H
 WBS No/API No 30297718 / 4249534170



Event Summary

Event Type	Completion only	Event Start Date	03/13/2019	Days on Location	3.00
Objective	Install Completion	Original Spud Date	10/26/2018		
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	99,958/4,699,358.00	Current MW / BH EMW(ppg)	/
Actual divided by AFE	0.02	LOT/FIT EMW(ppg)	
Daily Cost	8,009	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		
Last Derrick Inspection Last BOP function test Last BOP Test Next BOP Test			JSA's/Toolbox Talks Days Since Last Drill	2

Operations Summary

24 Hour Summary
RU hydraulic hoses and pressure test.
Update Since Report Time
24 Hour Forecast
RU flowback iron.

EP WELLS DAILY OPERATIONS REPORT

Report 3

03/16/2019

Well UNIVERSITY 20 PW UNIT 2704H
Wellbore UNIVERSITY 20 PW UNIT 2704H

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	19.50	PREW	RUF			0		Run hydraulic hoses while spotting and rigging up zipper manifold.
19:30	0.83	PREW	RUF			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 12,500 psi for 5 minutes. Good tests, bleed down.
20:20	3.67	PREW	RUF			0		OPO.
Total	24.00							

06.00 Update

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

EP WELLS DAILY OPERATIONS REPORT

Report 4

03/17/2019

Company PERMIAN
 Well Type Development
 Well UNIVERSITY 20 PW UNIT 2704H
 Wellbore UNIVERSITY 20 PW UNIT 2704H
 WBS No/API No 30297718 / 4249534170



Event Summary

Event Type	Completion only	Event Start Date	03/13/2019	Days on Location	4.00
Objective	Install Completion	Original Spud Date	10/26/2018		
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	108,296/4,699,358.00	Current MW / BH EMW(ppg)	/
Actual divided by AFE	0.02	LOT/FIT EMW(ppg)	
Daily Cost	8,338	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:							
Safety numbers recorded on well 2701H							

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	3

Operations Summary

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

EP WELLS DAILY OPERATIONS REPORT

Report 4

03/17/2019

Well UNIVERSITY 20 PW UNIT 2704H
Wellbore UNIVERSITY 20 PW UNIT 2704H

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	9.50	PREW	RUF			0		Start RU the flowback equipment. Weld covers on mousehole. Continue trouble shooting the hydraulic line between the valves and the accumulators. Function test the zipper manifold hydraulic valves (good). Continue rigging up the flowback equipment.
18:00		PREW	RUF			0		Continue RU
Total	18.00							

06.00 Update

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Description
0:00		PREW	RUF			0	Continue RU

EP WELLS DAILY OPERATIONS REPORT

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03/18/2019

Company PERMIAN
 Well Type Development
 Well UNIVERSITY 20 PW UNIT 2704H
 Wellbore UNIVERSITY 20 PW UNIT 2704H
 WBS No/API No 30297718 / 4249534170



Event Summary

Event Type	Completion only	Event Start Date	03/13/2019	Days on Location	5.00
Objective	Install Completion	Original Spud Date	10/26/2018		
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	116,304/4,699,358.00	Current MW / BH EMW(ppg)	/
Actual divided by AFE	0.02	LOT/FIT EMW(ppg)	
Daily Cost	8,009	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		
Last Derrick Inspection Last BOP function test Last BOP Test Next BOP Test			JSA's/Toolbox Talks Days Since Last Drill	4

Operations Summary

24 Hour Summary
Pre work
Update Since Report Time
24 Hour Forecast
Continue pre work

EP WELLS DAILY OPERATIONS REPORT

Report 5

03/18/2019

Well UNIVERSITY 20 PW UNIT 2704H
Wellbore UNIVERSITY 20 PW UNIT 2704H

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	5.50	PREW	RUF			0		Continue RU
5:30	0.50	PREW	RUF			0		PJSM with crews
6:00	4.50	PREW	RUF			0		Stage equipment in place to remove blind flanges on trees and install caps with niddle valves flush all flow back line.
10:30	1.50	PREW	RUF			0		Pressure test flow back lines and UMHV on 2704H, 2705H, 2706H 3" flow back iron from all wells 2" flow back iron from all wells Plug catcher Primary 2" choke manifold 500 psi low 5 min 12,500 psi high for 7 mins good test
12:00	1.00	PREW	RUF			0		Rig up WS torque and test and manifold to all casing
13:00	4.75	PREW	RUF			0		Set and test all casing pop-offs' to 2800 psi
17:45	0.50	PREW	RUF			0		PSI Test 5-1/2"x7-5/8" Annulus Casing High 1800 psi 10/min. (Test Good)
18:15		PREW	RUF			0		Wait on other Pad Ops.
Total	18.25							

EP WELLS DAILY OPERATIONS REPORT

Report 6

03/19/2019

Company PERMIAN
 Well Type Development
 Well UNIVERSITY 20 PW UNIT 2704H
 Wellbore UNIVERSITY 20 PW UNIT 2704H
 WBS No/API No 30297718 / 4249534170



Event Summary

Event Type	Completion only	Event Start Date	03/13/2019	Days on Location	6.00
Objective	Install Completion	Original Spud Date	10/26/2018		
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)	
	AUCOIN		
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	133,406/4,699,358.00	Current MW / BH EMW(ppg)	/
Actual divided by AFE	0.03	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		
Last Derrick Inspection Last BOP function test Last BOP Test Next BOP Test			JSA's/Toolbox Talks Days Since Last Drill	5

Operations Summary

24 Hour Summary
Iron ran, restrained and tested. Set Backside POP-OFFS @ 3000 psi and test 5 1/2 by 7 5/8 casing annulus to 2800psi. (Good Test)
Update Since Report Time
waiting on other pad operations
24 Hour Forecast
start Fracking on first 3 wells of pad

EP WELLS DAILY OPERATIONS REPORT

Report 6

03/19/2019

Well UNIVERSITY 20 PW UNIT 2704H
Wellbore UNIVERSITY 20 PW UNIT 2704H

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	24.00	PREW	RUF			0		Wait on other Pad Ops.
Total	24.00							

06.00 Update

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Description
0:00	24.00	PREW	OPO			0	Wait on other Pad Ops.

EP WELLS DAILY OPERATIONS REPORT

Report 7

03/20/2019

Company PERMIAN
 Well Type Development
 Well UNIVERSITY 20 PW UNIT 2704H
 Wellbore UNIVERSITY 20 PW UNIT 2704H
 WBS No/API No 30297718 / 4249534170



Event Summary

Event Type	Completion only	Event Start Date	03/13/2019	Days on Location	7.00
Objective	Install Completion	Original Spud Date	10/26/2018		
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)	
	AUCOIN		
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	150,507/4,699,358.00	Current MW / BH EMW(ppg)	/
Actual divided by AFE	0.03	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		
Last Derrick Inspection Last BOP function test Last BOP Test Next BOP Test			JSA's/Toolbox Talks Days Since Last Drill	6

Operations Summary

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

EP WELLS DAILY OPERATIONS REPORT

Report 7

03/20/2019

Well UNIVERSITY 20 PW UNIT 2704H
Wellbore UNIVERSITY 20 PW UNIT 2704H

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	24.00	PREW	OPO			0		Wait on other Pad Ops.
Total	24.00							

EP WELLS DAILY OPERATIONS REPORT

Report 8

03/21/2019

Company PERMIAN
 Well Type Development
 Well UNIVERSITY 20 PW UNIT 2704H
 Wellbore UNIVERSITY 20 PW UNIT 2704H
 WBS No/API No 30297718 / 4249534170



Event Summary

Event Type	Completion only	Event Start Date	03/13/2019	Days on Location	8.00
Objective	Install Completion	Original Spud Date	10/26/2018		
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	167,609/4,699,358.00	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		
Last Derrick Inspection Last BOP function test Last BOP Test Next BOP Test			JSA's/Toolbox Talks Days Since Last Drill	7

Operations Summary

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

EP WELLS DAILY OPERATIONS REPORT

Report 8

03/21/2019

Well UNIVERSITY 20 PW UNIT 2704H
Wellbore UNIVERSITY 20 PW UNIT 2704H

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	24.00	PREW	OPO			0		Wait on other Pad Ops.
Total	24.00							