

EP WELLS DAILY OPERATIONS REPORT

Report 2

05/18/2021

Company PERMAN
 Well Type Development
 Well UNIVERSITY 19 TG UNIT 2712H
 Wellbore UNIVERSITY 19 TG UNIT 2712H
 WBS No/API No 30332107 / 42475379310000



Event Summary

Event Type	Completion only	Event Start Date	04/24/2021	Days on Location	2.00
Objective	Install Completion	Original Spud Date	03/14/2021		
Est.Days	1.00	Contractor	Permian Well Svc		
Work Unit	Permian Completions	Days To Release			
		Rig Phone/Fax No.			

Well Status

Supervisor		Measured Depth (ft)	
Engineer		TVD (ft)	
Other Supervisor		24 Hr Progress (ft)	
Depth Ref/Grd Elev/Water Depth (ft)	DfE: 2,870.00 / 2,830.00	Hole Size (in)	
THF Datum			
Daily NPT (hr/%)	/ 0.00	Last Casing MD	
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	
Actual cost to date/AFE	18,500 / 2,340,000.00	Current MWM / BH EMW (ppg)	
Actual Divided by AFE	0.01	LOT/FIT EMW (ppg)	
Daily Cost	\$0.00	Lithology	
		Formation/MDTop	

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 Day's Since Last Drill	
Last Derrick Inspection Last BOP Function Test Last BOP Test Next BOP Test				1

Operations Summary

24 Hour Summary
Update Since Report Time
24 Hour Forecast

EP WELLS DAILY OPERATIONS REPORT

Report 2

05/18/2021

Well UNIVERSITY 19 TG UNIT 2712H
Wellbore UNIVERSITY 19 TG UNIT 2712H



Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT Level	Rig Rate	Description
08:53	0.02	FRAC	FLAG5			0		MIRU frac & wireline Pop-off set pressure 9500 psi Grease schedule and procedures reviewed with Wellhead tech. YES
16:45		FRAC				1		Start of Weather
Total	0.02							

EP WELLS DAILY OPERATIONS REPORT

Report 3

05/19/2021

Company PERMAN
 Well Type Development
 Well UNIVERSITY 19 TG UNIT 2712H
 Wellbore UNIVERSITY 19 TG UNIT 2712H
 WBS No/API No 30332107 / 42475379310000



Event Summary

Event Type	Completion only	Event Start Date	04/24/2021	Days on Location	3.00
Objective	Install Completion	Original Spud Date	03/14/2021		
Est.Days	1.00	Contractor	Permian Well Svc		
Work Unit	Permian Completions	Days To Release			
		Rig Phone/Fax No.			

Well Status

Supervisor		Measured Depth (ft)	
Engineer		TVD (ft)	
Other Supervisor		24 Hr Progress (ft)	
Depth Ref/Grd Elev/Water Depth (ft)	DfE: 2,870.00 / 2,830.00	Hole Size (in)	
THF Datum			
Daily NPT (hr/%)	/ 0.00	Last Casing MD	
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	
Actual cost to date/AFE	18,500 / 2,340,000.00	Current MWM / BH EMW (ppg)	
Actual Divided by AFE	0.01	LOT/FIT EMW (ppg)	
Daily Cost	\$0.00	Lithology	
		Formation/MDTop	

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 Day's Since Last Drill	
Last Derrick Inspection Last BOP Function Test Last BOP Test Next BOP Test				2

Operations Summary

24 Hour Summary
Update Since Report Time
24 Hour Forecast

EP WELLS DAILY OPERATIONS REPORT

Report 3

05/19/2021

Well UNIVERSITY 19 TG UNIT 2712H
Wellbore UNIVERSITY 19 TG UNIT 2712H



Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT Level	Rig Rate	Description
00:00	1.20	FRAC	WLF			0		Set plug and perforate Pumpdown for frac stage #: 2 Plug OD (in): 3.6 Plug model: Hover Group HG1 Plug type: Ball in place Production casing test pressure during stage 2 WL pumpdown: 9900 psi Plug set depth: 20322 ftMD Gun 1 top shot: 20307 ftMD Gun 2 top shot: 20273 ftMD Gun 3 top shot: 20240 ftMD Gun 4 top shot: 20207 ftMD Gun 5 top shot: 20174 ftMD Gun 6 top shot: 20140 ftMD Gun 7 top shot: 20107 ftMD Gun 8 top shot: 20074 ftMD Well Pressure After Perforating: 3912 psi
01:12	0.01	FRAC	WLT			0		Pull out of hole AVG POOH speed in the lateral: 175 fpm AVG POOH speed in the vertical: 450 fpm
01:12	0.98	FRAC	WLT			0		Lay down toolstring No plug and all shots fired: YES
02:11	0.18	FRAC	OPO			0		Other pad operations (Start Frac)
02:22	1.83	FRAC	OPO			0		Other Pad Operations
04:12	0.18	FRAC	FWL			0		Pick up wireline PCE and BHA, stab on well and pressure test Wireline PCE Test Pressure: 5200 psi
04:23	0.13	FRAC	FRT			0		Pump frac treatment Frac stage #: 2 Activity Completed on Critical Path: [N/A - Turn and Burn] Opening well pressure: 2655 psi Shut in well pressure: 5126 psi
04:31	1.62	FRAC	WLT			0		RIH, set plug, perforate and POOH Pumpdown for frac stage #: 3 Opening well pressure: 4800 psi Plug OD (in): 3.6 Plug Model: Hover Group HG1 Plug Type: Ball in Place Plug set depth: 20056 ftMD Gun 1 top shot: 20041 ftMD Gun 2 top shot: 20007 ftMD Gun 3 top shot: 19974 ftMD Gun 4 top shot: 19941 ftMD Gun 5 top shot: 19908 ftMD Gun 6 top shot: 19869 ftMD Gun 7 top shot: 19841 ftMD Gun 8 top shot: 19808 ftMD Well Pressure After Perforations: 5790 psi
06:08	0.02	FRAC	WLF			0		SIW, lay down wireline BHA and PCE, handover to frac Well shut in pressure: 4450 psi Maintenance performed: Greased LMV, Greased UMW Comments: all shots fired BHA accounted for at surface
06:09	1.12	FRAC	OPO			0		Other Pad Operations
07:16	1.73	FRAC	FRT			0		Pump frac treatment Frac stage #: 3 Activity Completed on Critical Path: [N/A - Turn and Burn] Opening well pressure: 4761 psi Shut in well pressure: 4790 psi
09:00	0.00	FRAC	OPO			0		Other Pad Operations
09:00	0.00	FRAC	FWL			0		Pick up wireline PCE and BHA, stab on well and pressure test Wireline PCE Test Pressure: 5500 psi

EP WELLS DAILY OPERATIONS REPORT

Report 3

05/19/2021

Well UNIVERSITY 19 TG UNIT 2712H
Wellbore UNIVERSITY 19 TG UNIT 2712H



09:00	2.15	FRAC	WLT			0	RIH, set plug, perforate and POOH Pumpdown for frac stage #: 4 Opening well pressure: 4800 psi Plug OD (in): 3.6 Plug Model: Hover Group HG1 Plug Type: Ball in Place Plug set depth: 19792 ftMD Gun 1 top shot: 19775 ftMD Gun 2 top shot: 19735 ftMD Gun 3 top shot: 19708 ftMD Gun 4 top shot: 19675 ftMD Gun 5 top shot: 19640 ftMD Gun 6 top shot: 19608 ftMD Gun 7 top shot: 19575 ftMD Gun 8 top shot: 19542 ftMD Well Pressure After Perforations: 5400 psi Comments: moved plug and guns 2 and 5 due to collars
11:09	0.01	FRAC	WLF			0	SIW, lay down wireline BHA and PCE, handover to frac Well shut in pressure: 4250 psi Maintenance performed: Greased Wings, Greased UMW, Greased Crown Comments: all shots fired BHA accounted for at surface
11:09	0.00	FRAC	OPO			0	Other Pad Operations
11:09	1.93	FRAC	FRT			0	Pump frac treatment Frac stage #: 4 Activity Completed on Critical Path: [N/A - Turn and Burn] Opening well pressure: 4502 psi Shut in well pressure: 5030 psi
13:05	1.23	FRAC	OPO			0	Other Pad Operations
14:19	0.00	FRAC	FWL			0	Pick up wireline PCE and BHA, stab on well and pressure test Wireline PCE Test Pressure: 5500 psi
14:19	0.51	FRAC	WLF			0	SIW, lay down wireline BHA and PCE, handover to frac Well shut in pressure: 4300 psi Maintenance performed: Greased Wings, Greased UMW, Greased Crown Comments: all shots fired BHA accounted for at surface
14:50	0.08	FRAC	WLT			0	RIH, set plug, perforate and POOH Pumpdown for frac stage #: 5 Opening well pressure: 4950 psi Plug OD (in): 3.6 Plug Model: Hover Group HG1 Plug Type: Ball in Place Plug set depth: 19524 ftMD Gun 1 top shot: 19502 ftMD Gun 2 top shot: 19475 ftMD Gun 3 top shot: 19442 ftMD Gun 4 top shot: 19403 ftMD Gun 5 top shot: 19376 ftMD Gun 6 top shot: 19342 ftMD Gun 7 top shot: 19309 ftMD Gun 8 top shot: 19279 ftMD Well Pressure After Perforations: 4841 psi Comments: moved guns 1,4 and 8 due to collars
Total	14.91						

EP WELLS DAILY OPERATIONS REPORT

Report 4

05/20/2021

Company PERMAN
 Well Type Development
 Well UNIVERSITY 19 TG UNIT 2712H
 Wellbore UNIVERSITY 19 TG UNIT 2712H
 WBS No/API No 30332107 / 42475379310000



Event Summary

Event Type	Completion only	Event Start Date	04/24/2021	Days on Location	4.00
Objective	Install Completion	Original Spud Date	03/14/2021		
Est.Days	1.00	Contractor	Permian Well Svc		
Work Unit	Permian Completions	Days To Release			
		Rig Phone/Fax No.			

Well Status

Supervisor		Measured Depth (ft)	
Engineer		TVD (ft)	
Other Supervisor		24 Hr Progress (ft)	
Depth Ref/Grd Elev/Water Depth (ft)	DfE: 2,870.00 / 2,830.00	Hole Size (in)	
THF Datum			
Daily NPT (hr/%)	/ 0.00	Last Casing MD	
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	
Actual cost to date/AFE	18,500 / 2,340,000.00	Current MWM / BH EMW (ppg)	
Actual Divided by AFE	0.01	LOT/FIT EMW (ppg)	
Daily Cost	\$0.00	Lithology	
		Formation/MDTop	

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 Day's Since Last Drill	
Last Derrick Inspection Last BOP Function Test Last BOP Test Next BOP Test				3

Operations Summary

24 Hour Summary
Update Since Report Time
24 Hour Forecast

EP WELLS DAILY OPERATIONS REPORT

Report 4

05/20/2021

Well UNIVERSITY 19 TG UNIT 2712H
Wellbore UNIVERSITY 19 TG UNIT 2712H



Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT Level	Rig Rate	Description
00:00	1.16	FRAC	WLT			0		RIH, set plug, perforate and POOH Pumpdown for frac stage #: 7 Opening well pressure: 4800 psi Plug OD (in): 3.6 Plug Model: Hover Group HG1 Plug Type: Ball in Place Plug set depth: 18985 ftMD Gun 1 top shot: 18974 ftMD Gun 2 top shot: 18943 ftMD Gun 3 top shot: 18910 ftMD Gun 4 top shot: 18877 ftMD Gun 5 top shot: 18844 ftMD Gun 6 top shot: 18812 ftMD Gun 7 top shot: 18777 ftMD Gun 8 top shot: 18744 ftMD Well Pressure After Perforations: 5474 psi Comments: Had to increase rate to 4 bpm to seat ball
01:09	0.03	FRAC	WLF			0		SIW, lay down wireline BHA and PCE, handover to frac Well shut in pressure: 4450 psi Maintenance performed: Greased zipper manifold, Greased UMW
01:11	2.42	FRAC	OPO			0		Other Pad Operations
03:36	1.29	FRAC	FRT			0		Pump frac treatment Frac stage #: 7 Activity Completed on Critical Path: [Frac Pump Maintenance (critical path)] Opening well pressure: 4056 psi Shut in well pressure: 5263 psi
04:54	0.19	FRAC	FWL			0		Pick up wireline PCE and BHA, stab on well and pressure test Wireline PCE Test Pressure: 5400 psi
04:54	0.00	FRAC	OPO			0		Other Pad Operations
05:05	1.29	FRAC	WLF			0		SIW, lay down wireline BHA and PCE, handover to frac Well shut in pressure: 4600 psi Maintenance performed: Greased Wings, Greased UMW, Greased Crown Comments: all shots fired BHA accounted for at surface
06:23	0.05	FRAC	WLT			0		RIH, set plug, perforate and POOH Pumpdown for frac stage #: 8 Opening well pressure: 4905 psi Plug OD (in): 3.6 Plug Model: Hover Group HG1 Plug Type: Ball in Place Plug set depth: 18726 ftMD Gun 1 top shot: 18709 ftMD Gun 2 top shot: 18677 ftMD Gun 3 top shot: 18644 ftMD Gun 4 top shot: 18611 ftMD Gun 5 top shot: 18580 ftMD Gun 6 top shot: 18544 ftMD Gun 7 top shot: 18511 ftMD Gun 8 top shot: 18486 ftMD Well Pressure After Perforations: 5540 psi
06:26	0.87	FRAC	OPO			0		Other Pad Operations
07:18	1.59	FRAC	FRT			0		Pump frac treatment Frac stage #: 8 Activity Completed on Critical Path: [N/A - Turn and Burn] Opening well pressure: 4502 psi Shut in well pressure: 5010 psi
08:53	0.00	FRAC	OPO			0		Other Pad Operations
08:53	0.15	FRAC	FWL			0		Pick up wireline PCE and BHA, stab on well and pressure test Wireline PCE Test Pressure: 5500 psi
09:02	1.35	FRAC	WLF			0		SIW, lay down wireline BHA and PCE, handover to frac Well shut in pressure: 4450 psi Maintenance performed: Greased LMV, Greased UMW Comments: all shots fired BHA accounted for at surface

EP WELLS DAILY OPERATIONS REPORT

Report 4

05/20/2021

Well UNIVERSITY 19 TG UNIT 2712H
Wellbore UNIVERSITY 19 TG UNIT 2712H



10:23	0.06	FRAC	WLT			0	RIH, set plug, perforate and POOH Pumpdown for frac stage #: 9 Opening well pressure: 4850 psi Plug OD (in): 3.6 Plug Model: Hover Group HG1 Plug Type: Ball in Place Plug set depth: 18460 ftMD Gun 1 top shot: 18445 ftMD Gun 2 top shot: 18411 ftMD Gun 3 top shot: 18378 ftMD Gun 4 top shot: 18345 ftMD Gun 5 top shot: 18312 ftMD Gun 6 top shot: 18278 ftMD Gun 7 top shot: 18240 ftMD Gun 8 top shot: 18212 ftMD Well Pressure After Perforations: 5556 psi Comments: moved gun 7 due to collar
10:27	0.52	FRAC	OPO			0	Other Pad Operations
10:58	1.70	FRAC	FRT			0	Pump frac treatment Frac stage #: 9 Activity Completed on Critical Path: [N/A - Turn and Burn] Opening well pressure: 4688 psi Shut in well pressure: 5004 psi
12:39	0.00	FRAC	OPO			0	Other Pad Operations
12:40	0.13	FRAC	FWL			0	Pick up wireline PCE and BHA, stab on well and pressure test Wireline PCE Test Pressure: 5500 psi
12:47	1.30	FRAC	WLF			0	SIW, lay down wireline BHA and PCE, handover to frac Well shut in pressure: 4400 psi Maintenance performed: Greased zipper manifold, Greased UMW Comments: all shots fired BHA accounted for at surface
14:05	0.02	FRAC	WLT			0	RIH, set plug, perforate and POOH Pumpdown for frac stage #: 10 Opening well pressure: 4850 psi Plug OD (in): 3.6 Plug Model: Hover Group HG1 Plug Type: Ball in Place Plug set depth: 18194 ftMD Gun 1 top shot: 18179 ftMD Gun 2 top shot: 18145 ftMD Gun 3 top shot: 18112 ftMD Gun 4 top shot: 18079 ftMD Gun 5 top shot: 18046 ftMD Gun 6 top shot: 18005 ftMD Gun 7 top shot: 17979 ftMD Gun 8 top shot: 17946 ftMD Well Pressure After Perforations: 5675 psi Comments: moved gun 6 due to collar
14:06	2.40	FRAC	OPO			0	Other Pad Operations
15:15		FRAC	OPO			1	Start of [Planned Maintenance & HSE]
16:29		FRAC	OPO			0	End of [Planned Maintenance & HSE]
Total	16.52						

EP WELLS DAILY OPERATIONS REPORT

Report 5

05/21/2021

Company PERMAN
 Well Type Development
 Well UNIVERSITY 19 TG UNIT 2712H
 Wellbore UNIVERSITY 19 TG UNIT 2712H
 WBS No/API No 30332107 / 42475379310000



Event Summary

Event Type	Completion only	Event Start Date	04/24/2021	Days on Location	5.00
Objective	Install Completion	Original Spud Date	03/14/2021		
Est.Days	1.00	Contractor	Permian Well Svc		
Work Unit	Permian Completions	Days To Release			
		Rig Phone/Fax No.			

Well Status

Supervisor		Measured Depth (ft)	
Engineer		TVD (ft)	
Other Supervisor		24 Hr Progress (ft)	
Depth Ref/Grd Elev/Water Depth (ft)	DFE: 2,870.00 / 2,830.00	Hole Size (in)	
THF Datum			
Daily NPT (hr/%)	/ 0.00	Last Casing MD	
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	
Actual cost to date/AFE	586,400 / 2,340,000.00	Current MWM / BH EMW (ppg)	
Actual Divided by AFE	0.25	LOT/FIT EMW (ppg)	
Daily Cost	\$15,200.00	Lithology	
		Formation/MDTop	

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 Day's 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

05/21/2021

Well UNIVERSITY 19 TG UNIT 2712H
Wellbore UNIVERSITY 19 TG UNIT 2712H



Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT Level	Rig Rate	Description
00:00	1.46	FRAC	OPO			0		Other Pad Operations
01:27	0.40	FRAC	FWL			0		Pick up wireline PCE and BHA, stab on well and pressure test Wireline PCE Test Pressure: 4900 psi
01:51	1.24	FRAC	WLT			0		RIH, set plug, perforate and POOH Pumpdown for frac stage #: 12 Opening well pressure: 4200 psi Plug OD (in): 3.6 Plug Model: Hover Group HG1 Plug Type: Ball in Place Plug set depth: 17662 ftMD Gun 1 top shot: 17647 ftMD Gun 2 top shot: 17613 ftMD Gun 3 top shot: 17580 ftMD Gun 4 top shot: 17547 ftMD Gun 5 top shot: 17514 ftMD Gun 6 top shot: 17480 ftMD Gun 7 top shot: 17447 ftMD Gun 8 top shot: 17424 ftMD Well Pressure After Perforations: 5430 psi
03:05	0.03	FRAC	WLF			0		SIW, lay down wireline BHA and PCE, handover to frac Well shut in pressure: 4275 psi Maintenance performed: Greased Wings, Greased UMW, Greased Crown
03:07	1.58	FRAC	OPO			0		Other Pad Operations
04:42	0.97	FRAC	FRT			0		Pump frac treatment Frac stage #: 12 Activity Completed on Critical Path: [N/A - Turn and Burn] Opening well pressure: 4040 psi Shut in well pressure: 4916 psi
05:40	1.72	FRAC	OPO			0		Other Pad Operations
07:23	0.00	FRAC	FWL			0		Pick up wireline PCE and BHA, stab on well and pressure test Wireline PCE Test Pressure: 5500 psi
07:23	1.42	FRAC	WLT			0		RIH, set plug, perforate and POOH Pumpdown for frac stage #: 13 Opening well pressure: 4450 psi Plug OD (in): 3.6 Plug Model: Hover Group HG1 Plug Type: Ball in Place Plug set depth: 17396 ftMD Gun 1 top shot: 17381 ftMD Gun 2 top shot: 17347 ftMD Gun 3 top shot: 17314 ftMD Gun 4 top shot: 17277 ftMD Gun 5 top shot: 17248 ftMD Gun 6 top shot: 17214 ftMD Gun 7 top shot: 17181 ftMD Gun 8 top shot: 17150 ftMD Well Pressure After Perforations: 5503 psi Comments: moved guns 4 and 8 due to collars
08:48	0.01	FRAC	WLF			0		SIW, lay down wireline BHA and PCE, handover to frac Well shut in pressure: 4175 psi Maintenance performed: Greased zipper manifold, Greased UMW Comments: all shots fired BHA accounted for at surface
08:48	0.76	FRAC	FRT			0		Pump frac treatment Frac stage #: 13 Activity Completed on Critical Path: [Wait on Frac (other)] Opening well pressure: 3879 psi Shut in well pressure: 4941 psi
09:34	0.84	FRAC	OPO			0		Other Pad Operations
10:25	2.19	FRAC	FWL			0		Pick up wireline PCE and BHA, stab on well and pressure test Wireline PCE Test Pressure: 5500 psi
10:36		FRAC	OPO			1		Start of [Wait on Frac (other)]
11:08		FRAC	OPO			0		End of [Wait on Frac (other)]
12:36	0.02	FRAC	OPO			0		Other Pad Operations

EP WELLS DAILY OPERATIONS REPORT

Report 5

05/21/2021

Well UNIVERSITY 19 TG UNIT 2712H
Wellbore UNIVERSITY 19 TG UNIT 2712H



12:37	1.13	FRAC	WLT			0	RIH, set plug, perforate and POOH Pumpdown for frac stage #: 14 Opening well pressure: 4875 psi Plug OD (in): 3.6 Plug Model: Hover Group HG1 Plug Type: Ball in Place Plug set depth: 17130 ftMD Gun 1 top shot: 17115 ftMD Gun 2 top shot: 17081 ftMD Gun 3 top shot: 17044 ftMD Gun 4 top shot: 17015 ftMD Gun 5 top shot: 16982 ftMD Gun 6 top shot: 16948 ftMD Gun 7 top shot: 16915 ftMD Gun 8 top shot: 16882 ftMD Well Pressure After Perforations: 4740 psi Comments: move plug 3 due to collar
13:45	0.03	FRAC	WLF			0	SIW, lay down wireline BHA and PCE, handover to frac Well shut in pressure: 4450 psi
13:47	0.96	FRAC	OPO			0	Other Pad Operations
14:45	1.43	FRAC	FRT			0	Pump frac treatment Frac stage #: 14 Activity Completed on Critical Path: [N/A - Turn and Burn] Opening well pressure: 4197 psi
Total	16.19						

EP WELLS DAILY OPERATIONS REPORT

Report 6

05/22/2021

Company PERMAN
 Well Type Development
 Well UNIVERSITY 19 TG UNIT 2712H
 Wellbore UNIVERSITY 19 TG UNIT 2712H
 WBS No/API No 30332107 / 42475379310000



Event Summary

Event Type	Completion only	Event Start Date	04/24/2021	Days on Location	6.00
Objective	Install Completion	Original Spud Date	03/14/2021		
Est.Days	1.00	Contractor	Permian Well Svc		
Work Unit	Permian Completions	Days To Release			
		Rig Phone/Fax No.			

Well Status

Supervisor		Measured Depth (ft)	
Engineer		TVD (ft)	
Other Supervisor		24 Hr Progress (ft)	
Depth Ref/Grd Elev/Water Depth (ft)	DfE: 2,870.00 / 2,830.00	Hole Size (in)	
THF Datum			
Daily NPT (hr/%)	/ 0.00	Last Casing MD	
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	
Actual cost to date/AFE	602,500 / 2,340,000.00	Current MWM / BH EMW (ppg)	
Actual Divided by AFE	0.26	LOT/FIT EMW (ppg)	
Daily Cost	\$15,200.00	Lithology	
		Formation/MDTop	

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 Day's Since Last Drill	
Last Derrick Inspection Last BOP Function Test Last BOP Test Next BOP Test				5

Operations Summary

24 Hour Summary
Update Since Report Time
24 Hour Forecast

EP WELLS DAILY OPERATIONS REPORT

Report 6

05/22/2021

Well UNIVERSITY 19 TG UNIT 2712H
 Wellbore UNIVERSITY 19 TG UNIT 2712H



Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT Level	Rig Rate	Description
00:00	11.10	FRAC	OPO			0		Other Pad Operations
06:46		FRAC	OPO			1		Start of weather, high winds
11:08	0.00	FRAC	FWL			0		Pick up wireline PCE and BHA, stab on well and pressure test Wireline PCE Test Pressure: 5000 psi
11:08	1.77	FRAC	WLT			0		RIH, set plug, perforate and POOH Pumpdown for frac stage #: 15 Opening well pressure: 3750 psi Plug OD (in): 3.6 Plug Model: Hover Group HG1 Plug Type: Ball in Place Plug set depth: 16856 ftMD Gun 1 top shot: 16846 ftMD Gun 2 top shot: 16813 ftMD Gun 3 top shot: 16782 ftMD Gun 4 top shot: 16749 ftMD Gun 5 top shot: 16716 ftMD Gun 6 top shot: 16684 ftMD Gun 7 top shot: 16649 ftMD Gun 8 top shot: 16616 ftMD Well Pressure After Perforations: 5512 psi Comments: moved plug and gun 1,2 and 6 due to collars
12:55	0.03	FRAC	WLF			0		SIW, lay down wireline BHA and PCE, handover to frac Well shut in pressure: 3825 psi Maintenance performed: Greased LMV, Greased UMW Comments: all shots fired BHA accounted for at surface
12:57	2.24	FRAC	OPO			0		Other Pad Operations
15:10		FRAC	OPO			0		End of weather, high winds
15:11	1.43	FRAC	FRT			0		Pump frac treatment Frac stage #: 15 Activity Completed on Critical Path: [Wait on weather] Opening well pressure: 4650 psi Shut in well pressure: 5046 psi
Total	16.57							

EP WELLS DAILY OPERATIONS REPORT

Report 7

05/23/2021

Company PERMAN
 Well Type Development
 Well UNIVERSITY 19 TG UNIT 2712H
 Wellbore UNIVERSITY 19 TG UNIT 2712H
 WBS No/API No 30332107 / 42475379310000



Event Summary

Event Type	Completion only	Event Start Date	04/24/2021	Days on Location	7.00
Objective	Install Completion	Original Spud Date	03/14/2021		
Est.Days	1.00	Contractor	Permian Well Svc		
Work Unit	Permian Completions	Days To Release			
		Rig Phone/Fax No.			

Well Status

Supervisor		Measured Depth (ft)	
Engineer		TVD (ft)	
Other Supervisor		24 Hr Progress (ft)	
Depth Ref/Grd Elev/Water Depth (ft)	DfE: 2,870.00 / 2,830.00	Hole Size (in)	
THF Datum			
Daily NPT (hr/%)	/ 0.00	Last Casing MD	
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	
Actual cost to date/AFE	831,400 / 2,340,000.00	Current MWM / BH EMW (ppg)	
Actual Divided by AFE	0.36	LOT/FIT EMW (ppg)	
Daily Cost	\$15,200.00	Lithology	
		Formation/MDTop	

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 Day's 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

05/23/2021

Well UNIVERSITY 19 TG UNIT 2712H
Wellbore UNIVERSITY 19 TG UNIT 2712H



Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT Level	Rig Rate	Description
00:00	1.97	FRAC	OPO			0		Other Pad Operations
00:22		FRAC	OPO			0		End of Tag obstruction
01:58	0.37	FRAC	FRT			0		Pump frac treatment Frac stage #: 16 Activity Completed on Critical Path: [Wait on wireline] Opening well pressure: 4681 psi Shut in well pressure: 5026 psi
02:20	1.15	FRAC	OPO			0		Other Pad Operations
03:29	0.41	FRAC	FWL			0		Pick up wireline PCE and BHA, stab on well and pressure test Wireline PCE Test Pressure: 5000 psi
03:54	1.10	FRAC	WLT			0		RIH, set plug, perforate and POOH Pumpdown for frac stage #: 17 Opening well pressure: 4650 psi Plug OD (in): 3.6 Plug Model: Hover Group HG1 Plug Type: Ball in Place Plug set depth: 16332 ftMD Gun 1 top shot: 16317 ftMD Gun 2 top shot: 16283 ftMD Gun 3 top shot: 16250 ftMD Gun 4 top shot: 16220 ftMD Gun 5 top shot: 16184 ftMD Gun 6 top shot: 16150 ftMD Gun 7 top shot: 16114 ftMD Gun 8 top shot: 16084 ftMD Well Pressure After Perforations: 4614 psi
05:00	0.03	FRAC	WLF			0		SIW, lay down wireline BHA and PCE, handover to frac Well shut in pressure: 4275 psi Maintenance performed: Greased LMV, Greased UMW
05:02	0.53	FRAC	OPO			0		Other Pad Operations
05:34	1.37	FRAC	FRT			0		Pump frac treatment Frac stage #: 17 Activity Completed on Critical Path: [N/A - Turn and Burn] Opening well pressure: 4331 psi Shut in well pressure: 5013 psi
06:56	1.04	FRAC	OPO			0		Other Pad Operations
07:58	0.00	FRAC	FWL			0		Pick up wireline PCE and BHA, stab on well and pressure test Wireline PCE Test Pressure: 5400 psi
07:58	0.93	FRAC	WLT			0		RIH, set plug, perforate and POOH Pumpdown for frac stage #: 18 Opening well pressure: 4400 psi Plug OD (in): 3.6 Plug Model: Hover Group HG1 Plug Type: Ball in Place Plug set depth: 16066 ftMD Gun 1 top shot: 16051 ftMD Gun 2 top shot: 16017 ftMD Gun 3 top shot: 15978 ftMD Gun 4 top shot: 15951 ftMD Gun 5 top shot: 15918 ftMD Gun 6 top shot: 15884 ftMD Gun 7 top shot: 15848 ftMD Gun 8 top shot: 15818 ftMD Well Pressure After Perforations: 5400 psi Comments: moved guns 3 and 7 due to collars
08:54	0.01	FRAC	WLF			0		SIW, lay down wireline BHA and PCE, handover to frac Well shut in pressure: 4450 psi Maintenance performed: Greased LMV, Greased UMW Comments: all shots fired BHA accounted for at surface
08:54	0.90	FRAC	OPO			0		Other Pad Operations

EP WELLS DAILY OPERATIONS REPORT

Report 7

05/23/2021

Well UNIVERSITY 19 TG UNIT 2712H
Wellbore UNIVERSITY 19 TG UNIT 2712H



09:48	1.29	FRAC	FRT			0	Pump frac treatment Frac stage #: 18 Activity Completed on Critical Path: [N/A - Turn and Burn] Opening well pressure: 4246 psi Shut in well pressure: 5132 psi
11:05	0.00	FRAC	OPO			0	Other Pad Operations
11:05	0.10	FRAC	FWL			0	Pick up wireline PCE and BHA, stab on well and pressure test Wireline PCE Test Pressure: 5500 psi
11:11	1.14	FRAC	WLF			0	SIW, lay down wireline BHA and PCE, handover to frac Well shut in pressure: 4650 psi Maintenance performed: Greased zipper manifold, Greased UMW Comments: all shots fired BHA accounted for at surface
12:19	0.04	FRAC	WLT			0	RIH, set plug, perforate and POOH Pumpdown for frac stage #: 19 Opening well pressure: 4975 psi Plug OD (in): 3.6 Plug Model: Hover Group HG1 Plug Type: Ball in Place Plug set depth: 15800 ftMD Gun 1 top shot: 15785 ftMD Gun 2 top shot: 15751 ftMD Gun 3 top shot: 15720 ftMD Gun 4 top shot: 15685 ftMD Gun 5 top shot: 15652 ftMD Gun 6 top shot: 15618 ftMD Gun 7 top shot: 15585 ftMD Gun 8 top shot: 15552 ftMD Well Pressure After Perforations: 5300 psi Comments: moved gun 3 due to collar
12:21	0.95	FRAC	OPO			0	Other Pad Operations
13:18	1.13	FRAC	FRT			0	Pump frac treatment Frac stage #: 19 Activity Completed on Critical Path: [N/A - Turn and Burn] Opening well pressure: 4472 psi
14:26	0.76	FRAC	OPO			0	Other Pad Operations
15:12	0.15	FRAC	FWL			0	Pick up wireline PCE and BHA, stab on well and pressure test Wireline PCE Test Pressure: 5500 psi
15:20	1.14	FRAC	WLF			0	SIW, lay down wireline BHA and PCE, handover to frac Well shut in pressure: 4400 psi Maintenance performed: Greased Wings, Greased UMW, Greased Crown
16:29	0.08	FRAC	WLT			0	RIH, set plug, perforate and POOH Pumpdown for frac stage #: 20 Opening well pressure: 4900 psi Plug OD (in): 3.6 Plug Model: Hover Group HG1 Plug Type: Ball in Place Plug set depth: 15524 ftMD Gun 1 top shot: 15515 ftMD Gun 2 top shot: 15480 ftMD Gun 3 top shot: 15452 ftMD Gun 4 top shot: 15419 ftMD Gun 5 top shot: 15385 ftMD Gun 6 top shot: 15352 ftMD Gun 7 top shot: 15319 ftMD Gun 8 top shot: 15286 ftMD Well Pressure After Perforations: 5518 psi Comments: moved plug and guns 1,2 and 5 due to collars
Total	16.57						

EP WELLS DAILY OPERATIONS REPORT

Report 8

05/24/2021

Company PERMAN
 Well Type Development
 Well UNIVERSITY 19 TG UNIT 2712H
 Wellbore UNIVERSITY 19 TG UNIT 2712H
 WBS No/API No 30332107 / 42475379310000



Event Summary

Event Type	Completion only	Event Start Date	04/24/2021	Days on Location	8.00
Objective	Install Completion	Original Spud Date	03/14/2021		
Est.Days	1.00	Contractor	Permian Well Svc		
Work Unit	Permian Completions	Days To Release			
		Rig Phone/Fax No.			

Well Status

Supervisor		Measured Depth (ft)	
Engineer		TVD (ft)	
Other Supervisor		24 Hr Progress (ft)	
Depth Ref/Grd Elev/Water Depth (ft)	DfE: 2,870.00 / 2,830.00	Hole Size (in)	
THF Datum			
Daily NPT (hr/%)	/ 0.00	Last Casing MD	
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	
Actual cost to date/AFE	1,049,400 / 2,340,000.00	Current MWM / BH EMW (ppg)	
Actual Divided by AFE	0.45	LOT/FIT EMW (ppg)	
Daily Cost	\$15,200.00	Lithology	
		Formation/MDTop	

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 Day's Since Last Drill	
Last Derrick Inspection Last BOP Function Test Last BOP Test Next BOP Test				7

Operations Summary

24 Hour Summary
Update Since Report Time
24 Hour Forecast

EP WELLS DAILY OPERATIONS REPORT

Report 8

05/24/2021

Well UNIVERSITY 19 TG UNIT 2712H
Wellbore UNIVERSITY 19 TG UNIT 2712H



Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT Level	Rig Rate	Description
00:00	3.12	FRAC	OPO			0		Other Pad Operations
01:20		FRAC	OPO			0		End of Wait on wind
03:07	0.00	FRAC	FWL			0		Pick up wireline PCE and BHA, stab on well and pressure test Wireline PCE Test Pressure: 5200 psi
03:07	0.00	FRAC	WLT			0		RIH, set plug, perforate and POOH Pumpdown for frac stage #: 22 Opening well pressure: 4175 psi Plug OD (in): Other Plug Model: Other Plug Type: Ball in Place Plug set depth: 15002 ftMD Gun 1 top shot: 14987 ftMD Gun 2 top shot: 14953 ftMD Gun 3 top shot: 14920 ftMD Gun 4 top shot: 14889 ftMD Gun 5 top shot: 14854 ftMD Gun 6 top shot: 14820 ftMD Gun 7 top shot: 14787 ftMD Gun 8 top shot: 14759 ftMD Well Pressure After Perforations: 5500 psi Comments: 3.66" OD Athena plug was used and pumped down and was successfully set
03:07	0.00	FRAC	WLF			0		SIW, lay down wireline BHA and PCE, handover to frac Well shut in pressure: 4325 psi Maintenance performed: Greased zipper manifold, Greased UMW
03:07	0.09	FRAC	OPO			0		Other Pad Operations
03:12	1.39	FRAC	FRT			0		Pump frac treatment Frac stage #: 22 Activity Completed on Critical Path: [N/A - Turn and Burn] Opening well pressure: 4476 psi Shut in well pressure: 5087 psi
04:28		FRAC	FRT			1		Start of Wait on wind
04:36	1.25	FRAC	OPO			0		Other Pad Operations
05:51		FRAC	OPO			0		End of Wait on wind
05:51	0.06	FRAC	WLT			0		RIH, set plug, perforate and POOH Pumpdown for frac stage #: 23 Opening well pressure: 4600 psi Plug OD (in): 3.65 Plug Model: Other Plug Type: Ball in Place Plug set depth: 14736 ftMD Gun 1 top shot: 14721 ftMD Gun 2 top shot: 14687 ftMD Gun 3 top shot: 14654 ftMD Gun 4 top shot: 14621 ftMD Gun 5 top shot: 14588 ftMD Gun 6 top shot: 14554 ftMD Gun 7 top shot: 14515 ftMD Gun 8 top shot: 14488 ftMD Well Pressure After Perforations: 5360 psi Comments: moved gun 7 due to collar
05:55	0.03	FRAC	WLF			0		SIW, lay down wireline BHA and PCE, handover to frac Well shut in pressure: 4450 psi Maintenance performed: Greased LMV, Greased UMW Comments: all shots fired BHA accounted for at surface
05:57	0.06	FRAC	FWL			0		Pick up wireline PCE and BHA, stab on well and pressure test Wireline PCE Test Pressure: 5500 psi
06:00	2.50	FRAC	OPO			0		Other Pad Operations
07:45		FRAC	OPO			1		Start of [Planned Maintenance & HSE]
08:20		FRAC	OPO			0		End of [Planned Maintenance & HSE]

EP WELLS DAILY OPERATIONS REPORT

Report 8

05/24/2021

Well UNIVERSITY 19 TG UNIT 2712H
Wellbore UNIVERSITY 19 TG UNIT 2712H



08:30	0.99	FRAC	FRT			0	Pump frac treatment Frac stage #: 23 Activity Completed on Critical Path: [Planned Maintenance & HSE] Opening well pressure: 4223 psi Shut in well pressure: 5197 psi
09:30	0.60	FRAC	OPO			0	Other Pad Operations
10:06	0.00	FRAC	FWL			0	Pick up wireline PCE and BHA, stab on well and pressure test Wireline PCE Test Pressure: 5400 psi
10:06	0.61	FRAC	WLT			0	RIH, set plug, perforate and POOH Pumpdown for frac stage #: 24 Opening well pressure: 5050 psi Plug OD (in): 3.65 Plug Model: Other Plug Type: Ball in Place Plug set depth: 14465 ftMD Gun 1 top shot: 14455 ftMD Gun 2 top shot: 14421 ftMD Gun 3 top shot: 14388 ftMD Gun 4 top shot: 14355 ftMD Gun 5 top shot: 14321 ftMD Gun 6 top shot: 14288 ftMD Gun 7 top shot: 14255 ftMD Gun 8 top shot: 14222 ftMD Well Pressure After Perforations: 5451 psi Comments: moved plug and gun due to collars
10:43	0.03	FRAC	WLF			0	SIW, lay down wireline BHA and PCE, handover to frac Well shut in pressure: 4750 psi Maintenance performed: Greased LMV, Greased UMW Comments: all shots fired BHA accounted for at surface
10:45	0.55	FRAC	OPO			0	Other Pad Operations
11:18	1.22	FRAC	FRT			0	Pump frac treatment Frac stage #: 24 Activity Completed on Critical Path: [N/A - Turn and Burn] Opening well pressure: 4572 psi Shut in well pressure: 5156 psi
12:31	2.91	FRAC	WLF			0	SIW, lay down wireline BHA and PCE, handover to frac
12:45		FRAC	WLF			1	Start of WL issue with pump down
15:26	0.65	FRAC	OPO			0	Other Pad Operations
16:04	1.04	FRAC	OPO			0	Other Pad Operations
17:07	0.00	FRAC	FWL			0	Pick up wireline PCE and BHA, stab on well and pressure test Wireline PCE Test Pressure: 5500 psi
Total	17.11						

EP WELLS DAILY OPERATIONS REPORT

Report 9

05/25/2021

Company PERMAN
 Well Type Development
 Well UNIVERSITY 19 TG UNIT 2712H
 Wellbore UNIVERSITY 19 TG UNIT 2712H
 WBS No/API No 30332107 / 42475379310000



Event Summary

Event Type	Completion only	Event Start Date	04/24/2021	Days on Location	9.00
Objective	Install Completion	Original Spud Date	03/14/2021		
Est.Days	1.00	Contractor	Permian Well Svc		
Work Unit	Permian Completions	Days To Release			
		Rig Phone/Fax No.			

Well Status

Supervisor		Measured Depth (ft)	
Engineer		TVD (ft)	
Other Supervisor		24 Hr Progress (ft)	
Depth Ref/Grd Elev/Water Depth (ft)	DfE: 2,870.00 / 2,830.00	Hole Size (in)	
THF Datum			
Daily NPT (hr/%)	/ 0.00	Last Casing MD	
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	
Actual cost to date/AFE	1,073,700 / 2,340,000.00	Current MWM / BH EMW (ppg)	
Actual Divided by AFE	0.46	LOT/FIT EMW (ppg)	
Daily Cost	\$15,200.00	Lithology	
		Formation/MDTop	

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 Day's Since Last Drill	
Last Derrick Inspection Last BOP Function Test Last BOP Test Next BOP Test				8

Operations Summary

24 Hour Summary
Update Since Report Time
24 Hour Forecast

EP WELLS DAILY OPERATIONS REPORT

Report 9

05/25/2021

Well UNIVERSITY 19 TG UNIT 2712H
Wellbore UNIVERSITY 19 TG UNIT 2712H



Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT Level	Rig Rate	Description
00:00	2.13	FRAC	OPO			0		Other Pad Operations
02:07	0.99	FRAC	FRT			0		Pump frac treatment Frac stage #: 26 Activity Completed on Critical Path: [N/A - Turn and Burn] Opening well pressure: 4273 psi Shut in well pressure: 4460 psi
03:06	0.26	FRAC	OPO			0		Other Pad Operations
03:22	0.40	FRAC	FWL			0		Pick up wireline PCE and BHA, stab on well and pressure test Wireline PCE Test Pressure: 5500 psi
03:46	1.16	FRAC	WLT			0		RIH, set plug, perforate and POOH Pumpdown for frac stage #: 27 Opening well pressure: 5000 psi Plug OD (in): 3.6 Plug Model: Hover Group HG1 Plug Type: Ball in Place Plug set depth: 13672 ftMD Gun 1 top shot: 13650 ftMD Gun 2 top shot: 13623 ftMD Gun 3 top shot: 13590 ftMD Gun 4 top shot: 13557 ftMD Gun 5 top shot: 13517 ftMD Gun 6 top shot: 13490 ftMD Gun 7 top shot: 13457 ftMD Gun 8 top shot: 13423 ftMD Well Pressure After Perforations: 5700 psi
04:55	0.03	FRAC	WLF			0		SIW, lay down wireline BHA and PCE, handover to frac Well shut in pressure: 4800 psi Maintenance performed: Greased Wings, Greased UMW, Greased Crown
04:57	1.41	FRAC	OPO			0		Other Pad Operations
06:22	1.00	FRAC	FRT			0		Pump frac treatment Frac stage #: 27 Activity Completed on Critical Path: [N/A - Turn and Burn] Opening well pressure: 4558 psi Shut in well pressure: 4993 psi
07:22	0.18	FRAC	OPO			0		Other Pad Operations
07:33	0.50	FRAC	FWL			0		Pick up wireline PCE and BHA, stab on well and pressure test Wireline PCE Test Pressure: 5500 psi
08:03	0.59	FRAC	WLT			0		RIH, set plug, perforate and POOH Pumpdown for frac stage #: 28 Plug OD (in): 3.6 Plug Model: Hover Group HG1 Plug Type: Ball in Place Plug set depth: 13406 ftMD Gun 1 top shot: 13391 ftMD Gun 2 top shot: 13357 ftMD Gun 3 top shot: 13324 ftMD Gun 4 top shot: 13293 ftMD Gun 5 top shot: 13258 ftMD Gun 6 top shot: 13224 ftMD Gun 7 top shot: 13191 ftMD Gun 8 top shot: 13162 ftMD Well Pressure After Perforations: 5102 psi Comments: moved guns 4 and 8 due to collars
08:38	0.19	FRAC	WLF			0		SIW, lay down wireline BHA and PCE, handover to frac Well shut in pressure: 4600 psi Maintenance performed: Greased zipper manifold, Greased UMW Comments: all shots fired BHA accounted for at surface
08:49	0.29	FRAC	OPO			0		Other Pad Operations

EP WELLS DAILY OPERATIONS REPORT

Report 9

05/25/2021

Well UNIVERSITY 19 TG UNIT 2712H
Wellbore UNIVERSITY 19 TG UNIT 2712H



09:06	0.12	FRAC	FRT			0	Pump frac treatment Frac stage #: 28 Activity Completed on Critical Path: [N/A - Turn and Burn] Opening well pressure: 4427 psi Shut in well pressure: 5257 psi Comments: Early in frac, pressures out. Flushed well with pump down. Checked valve alignment, discussed with engineer, continued Frac ops. didn't find anything at surface that caused pumps to kick out.
09:13	3.00	FRAC	OPO			0	Other Pad Operations
12:13	0.00	FRAC	FWL			0	Pick up wireline PCE and BHA, stab on well and pressure test Wireline PCE Test Pressure: 5600 psi
12:14	0.53	FRAC	WLT			0	RIH, set plug, perforate and POOH Pumpdown for frac stage #: 29 Opening well pressure: 5000 psi Plug OD (in): 3.6 Plug Model: Hover Group HG1 Plug Type: Ball in Place Plug set depth: 13140 ftMD Gun 1 top shot: 13125 ftMD Gun 2 top shot: 13091 ftMD Gun 3 top shot: 13057 ftMD Gun 4 top shot: 13025 ftMD Gun 5 top shot: 12992 ftMD Gun 6 top shot: 12958 ftMD Gun 7 top shot: 12927 ftMD Gun 8 top shot: 12892 ftMD Well Pressure After Perforations: 5731 psi Comments: moved guns 3 and 7 due to collars
12:45	0.59	FRAC	WLF			0	SIW, lay down wireline BHA and PCE, handover to frac Well shut in pressure: 4600 psi Maintenance performed: Greased LMV, Greased UMW Comments: all shots fired BHA accounted for at surface
13:21	0.56	FRAC	OPO			0	Other Pad Operations
13:54	1.13	FRAC	FRT			0	Pump frac treatment Frac stage #: 29 Activity Completed on Critical Path: [N/A - Turn and Burn] Opening well pressure: 4481 psi Shut in well pressure: 5027 psi
15:02	0.44	FRAC	OPO			0	Other Pad Operations
15:28	0.47	FRAC	FWL			0	Pick up wireline PCE and BHA, stab on well and pressure test Wireline PCE Test Pressure: 5500 psi
15:57	0.60	FRAC	WLT			0	RIH, set plug, perforate and POOH Pumpdown for frac stage #: 30 Plug OD (in): 3.6 Plug Model: Hover Group HG1 Plug Type: Ball in Place Plug set depth: 12871 ftMD Gun 1 top shot: 12859 ftMD Gun 2 top shot: 12823 ftMD Gun 3 top shot: 12791 ftMD Gun 4 top shot: 12759 ftMD Gun 5 top shot: 12726 ftMD Gun 6 top shot: 12692 ftMD Gun 7 top shot: 12653 ftMD Gun 8 top shot: 12626 ftMD Well Pressure After Perforations: 5670 psi Comments: moved plug and guns 2&8 due to collars
16:33	0.07	FRAC	WLF			0	SIW, lay down wireline BHA and PCE, handover to frac Well shut in pressure: 4800 psi Maintenance performed: Greased Wings, Greased UMW, Greased Crown Comments: all shots fired BHA accounted for at surface
17:35		FRAC				1	Start of [Planned Maintenance & HSE]
Total	16.63						

EP WELLS DAILY OPERATIONS REPORT

Report 10

05/26/2021

Company PERMAN
 Well Type Development
 Well UNIVERSITY 19 TG UNIT 2712H
 Wellbore UNIVERSITY 19 TG UNIT 2712H
 WBS No/API No 30332107 / 42475379310000



Event Summary

Event Type	Completion only	Event Start Date	04/24/2021	Days on Location	10.00
Objective	Install Completion	Original Spud Date	03/14/2021		
Est.Days	1.00	Contractor	Permian Well Svc		
Work Unit	Permian Completions	Days To Release			
		Rig Phone/Fax No.			

Well Status

Supervisor		Measured Depth (ft)	
Engineer		TVD (ft)	
Other Supervisor		24 Hr Progress (ft)	
Depth Ref/Grd Elev/Water Depth (ft)	DfE: 2,870.00 / 2,830.00	Hole Size (in)	
THF Datum			
Daily NPT (hr/%)	/ 0.00	Last Casing MD	
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	
Actual cost to date/AFE	1,467,300 / 2,340,000.00	Current MWM / BH EMW (ppg)	
Actual Divided by AFE	0.63	LOT/FIT EMW (ppg)	
Daily Cost	\$16,100.00	Lithology	
		Formation/MDTop	

HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's	
LWC			PSI			TRCF	
RWC			NII			LWCF	
MTC			HPI			Safety Cards - Safe	
FAC			GOAL ZERO DAYS			Safety card - Unsafe	
Last casing pressure test			PS BARRIER EVENT			SSE%	
			PS barrier bowtie review			Last casing pressure (psi)	
Safety Comments:							

HSE Drills

Drills/Tests	Date	Days Since Last	JSA's/Toolbox Talks	
Last Derrick Inspection			Day's Since Last Drill	9
Last BOP Function Test				
Last BOP Test				
Next BOP Test				

Operations Summary

24 Hour Summary
Update Since Report Time
24 Hour Forecast

EP WELLS DAILY OPERATIONS REPORT

Report 10

05/26/2021

Well UNIVERSITY 19 TG UNIT 2712H
Wellbore UNIVERSITY 19 TG UNIT 2712H



Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT Level	Rig Rate	Description
00:00	0.00	FRAC	FRT			0		Pump frac treatment Frac stage #: 31 Activity Completed on Critical Path: [N/A - Turn and Burn] Opening well pressure: 4331 psi Shut in well pressure: 5339 psi
00:00	0.29	FRAC	OPO			0		Other Pad Operations
00:17	0.37	FRAC	FWL			0		Pick up wireline PCE and BHA, stab on well and pressure test Wireline PCE Test Pressure: 5400 psi
00:39	0.91	FRAC	WLT			0		RIH, set plug, perforate and POOH Pumpdown for frac stage #: 32 Opening well pressure: 5000 psi Plug OD (in): 3.6 Plug Model: Hover Group HG1 Plug Type: Ball in Place Plug set depth: 12342 ftMD Gun 1 top shot: 12327 ftMD Gun 2 top shot: 12293 ftMD Gun 3 top shot: 12260 ftMD Gun 4 top shot: 12227 ftMD Gun 5 top shot: 12188 ftMD Gun 6 top shot: 12160 ftMD Gun 7 top shot: 12127 ftMD Gun 8 top shot: 12094 ftMD Well Pressure After Perforations: 5400 psi
01:34	0.03	FRAC	WLF			0		SIW, lay down wireline BHA and PCE, handover to frac Well shut in pressure: 4800 psi Maintenance performed: Greased Wings, Greased UMW, Greased Crown
01:36	2.25	FRAC	OPO			0		Other Pad Operations
02:43		FRAC	OPO			1		Start of Certarus replace PRS
03:50		FRAC	OPO			0		End of Certarus replace PRS
03:51	1.20	FRAC	FRT			0		Pump frac treatment Frac stage #: 32 Activity Completed on Critical Path: [Other] Opening well pressure: 4478 psi Shut in well pressure: 5224 psi
Total	5.06							

EP WELLS DAILY OPERATIONS REPORT

Report 13

05/31/2021

Company PERMAN
 Well Type Development
 Well UNIVERSITY 19 TG UNIT 2712H
 Wellbore UNIVERSITY 19 TG UNIT 2712H
 WBS No/API No 30332107 / 42475379310000



Event Summary

Event Type	Completion only	Event Start Date	04/24/2021	Days on Location	13.00
Objective	Install Completion	Original Spud Date	03/14/2021		
Est.Days	1.00	Contractor	Permian Well Svc		
Work Unit	Permian Completions	Days To Release			
		Rig Phone/Fax No.			

Well Status

Supervisor		Measured Depth (ft)	
Engineer		TVD (ft)	
Other Supervisor		24 Hr Progress (ft)	
Depth Ref/Grd Elev/Water Depth (ft)	DFE: 2,870.00 / 2,830.00	Hole Size (in)	
THF Datum			
Daily NPT (hr/%)	/ 0.00	Last Casing MD	
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	
Actual cost to date/AFE	1,506,790 / 2,340,000.00	Current MWM / BH EMW (ppg)	
Actual Divided by AFE	0.64	LOT/FIT EMW (ppg)	
Daily Cost	\$8,490.00	Lithology	
		Formation/MDTop	

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 Day's Since Last Drill	
Last Derrick Inspection Last BOP Function Test Last BOP Test Next BOP Test				12

Operations Summary

24 Hour Summary
Update Since Report Time
24 Hour Forecast

EP WELLS DAILY OPERATIONS REPORT

Report 13

05/31/2021

Well UNIVERSITY 19 TG UNIT 2712H
Wellbore UNIVERSITY 19 TG UNIT 2712H



Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT Level	Rig Rate	Description
08:30		COIL				1		Start of Shut Down for Weather
09:45		COIL				0		End of Shut Down for Weather
Total								

EP WELLS DAILY OPERATIONS REPORT

Report 14

06/01/2021

Company PERMAN
 Well Type Development
 Well UNIVERSITY 19 TG UNIT 2712H
 Wellbore UNIVERSITY 19 TG UNIT 2712H
 WBS No/API No 30332107 / 42475379310000



Event Summary

Event Type	Completion only	Event Start Date	04/24/2021	Days on Location	14.00
Objective	Install Completion	Original Spud Date	03/14/2021		
Est.Days	1.00	Contractor	Permian Well Svc		
Work Unit	Permian Completions	Days To Release			
		Rig Phone/Fax No.			

Well Status

Supervisor		Measured Depth (ft)	
Engineer		TVD (ft)	
Other Supervisor		24 Hr Progress (ft)	
Depth Ref/Grd Elev/Water Depth (ft)	DfE: 2,870.00 / 2,830.00	Hole Size (in)	
THF Datum			
Daily NPT (hr/%)	/ 0.00	Last Casing MD	
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	
Actual cost to date/AFE	1,515,790 / 2,340,000.00	Current MWM / BH EMW (ppg)	
Actual Divided by AFE	0.65	LOT/FIT EMW (ppg)	
Daily Cost	\$8,490.00	Lithology	
		Formation/MDTop	

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 Day's Since Last Drill	
Last Derrick Inspection Last BOP Function Test Last BOP Test Next BOP Test				13

Operations Summary

24 Hour Summary
Update Since Report Time
24 Hour Forecast

EP WELLS DAILY OPERATIONS REPORT

Report 14

06/01/2021

Well UNIVERSITY 19 TG UNIT 2712H
Wellbore UNIVERSITY 19 TG UNIT 2712H



Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT Level	Rig Rate	Description
23:22	0.82	WINF	PEL			0		POOH w/ setting tool to surface
00:11	0.69	WINF	FLAG1 5			0		Test packer Comments 5 bbls recovered
00:52	2.35	WINF	FLAG1 6			0		Shut in well and RD
Total	3.86							

EP WELLS DAILY OPERATIONS REPORT

Report 16

06/01/2021

Company PERMAN
 Well Type Development
 Well UNIVERSITY 19 TG UNIT 2712H
 Wellbore UNIVERSITY 19 TG UNIT 2712H
 WBS No/API No 30332107 / 42475379310000



Event Summary

Event Type	Completion only	Event Start Date	04/24/2021	Days on Location	14.00
Objective	Install Completion	Original Spud Date	03/14/2021		
Est.Days	1.00	Contractor	Permian Well Svc		
Work Unit	Permian Completions	Days To Release			
		Rig Phone/Fax No.			

Well Status

Supervisor		Measured Depth (ft)	
Engineer		TVD (ft)	
Other Supervisor		24 Hr Progress (ft)	
Depth Ref/Grd Elev/Water Depth (ft)	DFE: 2,870.00 / 2,830.00	Hole Size (in)	
THF Datum			
Daily NPT (hr/%)	/ 0.00	Last Casing MD	
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	
Actual cost to date/AFE	1,716,900 / 2,340,000.00	Current MWM / BH EMW (ppg)	
Actual Divided by AFE	0.73	LOT/FIT EMW (ppg)	
Daily Cost	\$23,700.00	Lithology	
		Formation/MDTop	

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 Day's Since Last Drill	
Last Derrick Inspection Last BOP Function Test Last BOP Test Next BOP Test				13

Operations Summary

24 Hour Summary
Update Since Report Time
24 Hour Forecast

EP WELLS DAILY OPERATIONS REPORT

Report 16

06/01/2021

Well UNIVERSITY 19 TG UNIT 2712H
Wellbore UNIVERSITY 19 TG UNIT 2712H



Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT Level	Rig Rate	Description
23:22	0.82	WINF	PEL			0		POOH w/ setting tool to surface
00:11	0.69	WINF	FLAG1 5			0		Test packer Comments 5 bbls recovered
00:52	2.35	WINF	FLAG1 6			0		Shut in well and RD
03:14	15.80	WOR	HDO			0		Pre-Job Checklist Pre-Job checklist complete: YES
19:04	0.27	WOR	NUB			0		Nipple up BOPs BOP Blind Ram Test Successful? YES BOP Pipe Ram Test Successful? YES Photo of BOP Test Chart: TWCV installed for BOP test? NO LMV Serial Number: 2358301-74-11
19:20	4.66	WOR	FLAG1 7			0		Rig up WOR
Total	24.59							

06:00 Update

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT Level	Description
00:00	9.25	WOR	FLAG1 7			0	Rig up WOR

EP WELLS DAILY OPERATIONS REPORT

Report 17

06/02/2021

Company PERMAN
 Well Type Development
 Well UNIVERSITY 19 TG UNIT 2712H
 Wellbore UNIVERSITY 19 TG UNIT 2712H
 WBS No/API No 30332107 / 42475379310000



Event Summary

Event Type	Completion only	Event Start Date	04/24/2021	Days on Location	15.00
Objective	Install Completion	Original Spud Date	03/14/2021		
Est.Days	1.00	Contractor	Permian Well Svc		
Work Unit	Permian Completions	Days To Release			
		Rig Phone/Fax No.			

Well Status

Supervisor		Measured Depth (ft)	
Engineer		TVD (ft)	
Other Supervisor		24 Hr Progress (ft)	
Depth Ref/Grd Elev/Water Depth (ft)	DfE: 2,870.00 / 2,830.00	Hole Size (in)	
THF Datum			
Daily NPT (hr/%)	/ 0.00	Last Casing MD	
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	
Actual cost to date/AFE	1,722,380 / 2,340,000.00	Current MWM / BH EMW (ppg)	
Actual Divided by AFE	0.74	LOT/FIT EMW (ppg)	
Daily Cost	\$5,480.00	Lithology	
		Formation/MDTop	

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 Day's Since Last Drill	
Last Derrick Inspection Last BOP Function Test Last BOP Test Next BOP Test				14

Operations Summary

24 Hour Summary
Update Since Report Time
24 Hour Forecast

EP WELLS DAILY OPERATIONS REPORT

Report 17

06/02/2021

Well UNIVERSITY 19 TG UNIT 2712H
Wellbore UNIVERSITY 19 TG UNIT 2712H



Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT Level	Rig Rate	Description
00:00	9.25	WOR	FLAG1 7			0		Rig up WOR
09:15	0.01	WOR	LPK			0		Latch onto packer Neutral Weight: 60 klb Pick Up Weight: 72 klb Slackoff Weight: 58 klb Overpull Weight: 85 klb
09:15	0.00	WOR	SOH			0		Space out
09:15	0.01	WOR	HDO			0		Handover SITHP: 0 psi SICP: 0 psi B-annulus Pressure: 0 psi LOTO is in place? NO Approx rig move length: 0 h Approx. miles driven during rig move: 0 mi
09:16	3.01	WOR	SOH			0		Circulate packer fluid Volume Circulated: 290 bbl Pump Rate: 3 bbl/min Circulating Pressure: 800 psi
12:17	0.00	WOR	FLAG1 9			0		Install hanger Hanger Landing Compression: 10 klb
12:17	1.87	WOR	FLAG1 8			0		Run tubing BHA description: Baker Gauge Carrier, NOV T2 On/Off Tool @ 11,179.68 Number of tubing joints run: 336 Tubing Specifications: 2.875" 6.5# 8 RD L80 EUE
14:09	0.00	WOR	NDB			0		Bleed off pressure and install BPV
14:09	0.00	WOR	NDB			0		RD rig floor and bird bath
14:09	0.46	WOR	NDB			0		Nipple down BOPs
14:37	0.00	WOR	NUT			0		ND LMV & NU Production Tree
14:37	0.80	WOR	PTT			0		Test Tubing Tubing Pressure Test: 4500 psi Tubing Pressure Test Duration: 10 minutes Tubing Pressure Test Chart:
Total	15.42							

EP WELLS DAILY OPERATIONS REPORT

Report 18

06/03/2021

Company PERMAN
 Well Type Development
 Well UNIVERSITY 19 TG UNIT 2712H
 Wellbore UNIVERSITY 19 TG UNIT 2712H
 WBS No/API No 30332107 / 42475379310000



Event Summary

Event Type	Completion only	Event Start Date	04/24/2021	Days on Location	16.00
Objective	Install Completion	Original Spud Date	03/14/2021		
Est.Days	1.00	Contractor	Permian Well Svc		
Work Unit	Permian Completions	Days To Release			
		Rig Phone/Fax No.			

Well Status

Supervisor		Measured Depth (ft)	
Engineer		TVD (ft)	
Other Supervisor		24 Hr Progress (ft)	
Depth Ref/Grd Elev/Water Depth (ft)	DfE: 2,870.00 / 2,830.00	Hole Size (in)	
THF Datum			
Daily NPT (hr/%)	/ 0.00	Last Casing MD	
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	
Actual cost to date/AFE	1,775,780 / 2,340,000.00	Current MWM / BH EMW (ppg)	
Actual Divided by AFE	0.76	LOT/FIT EMW (ppg)	
Daily Cost	\$5,480.00	Lithology	
		Formation/MDTop	

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 Day's Since Last Drill	
Last Derrick Inspection Last BOP Function Test Last BOP Test Next BOP Test				15

Operations Summary

24 Hour Summary
Update Since Report Time
24 Hour Forecast

EP WELLS DAILY OPERATIONS REPORT

Report 18

06/03/2021

Well UNIVERSITY 19 TG UNIT 2712H
Wellbore UNIVERSITY 19 TG UNIT 2712H



Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT Level	Rig Rate	Description
00:00	15.70	WOR	PBD			0		Burst Disc Pressure to Burst Disc: 6200 psi Communication with TBG observed? NO SITHP: 3500 psi SICP 0 psi
Total	15.70							