

EP WELLS DAILY OPERATIONS REPORT

Report 4

04/26/2021

Company PERMAN
 Well Type Development
 Well UNIVERSITY 19 TG UNIT 1308H
 Wellbore UNIVERSITY 19 TG UNIT 1308H
 WBS No/API No 30319069 / 42301352180000



Event Summary

Event Type	Drilling only	Event Start Date	04/23/2021	Days on Location	3.15
Objective	Drill - New Well	Original Spud Date	04/24/2021	Days Since Spud	2.94
Est.Days	22.00	Contractor	Nabors Drilling		
Work Unit	Nabors X05	Days To Release			
		Rig Phone/FAX No.	(406) 798-3070		

Well Status

Supervisor	Johnnie Brassell	Measured Depth (ft)	5,040.00
Engineer	Mitch Collins	TVD (ft)	4,990.00
Other Supervisor	Jason Morris, Brett McCoy	24 Hr Progress (ft)	
Depth Ref/Grd Elev/Water Depth (ft)	DfE: 2,840.00 / 2,810.00	Hole Size (in)	
THF Datum			
Daily NPT (hr/%)	0.00/ 0.00	Last Casing MD	20.000 in@ 150.00 ft
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	9.630 in@ 5,040.00 ft
Actual cost to date/AFE	300,420 / 2,910,000.00	Current MWM / BH EMW (ppg)	
Actual Divided by AFE	0.10	LOT/FIT EMW (ppg)	
Daily Cost	\$47,800.00	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	11/29/2019	514	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 Day's Since Last Drill	2

Operations Summary

24 Hour Summary
Update Since Report Time
24 Hour Forecast

EP WELLS DAILY OPERATIONS REPORT

Report 4

04/26/2021

Well UNIVERSITY 19 TG UNIT 1308H
Wellbore UNIVERSITY 19 TG UNIT 1308H



Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT Level	Rig Rate	Description
00:00	2.50	SRF	CEM		5,040.00	0		Pump Cement Job (Stage 1) Cement returns to surface 0 bbl Bumped plug? YES Successful 5 minute casing integrity test? YES Floats held? YES Is this step offline? NO Lead cement 1365 bbl Tail cement 122 bbl Comments: 60-70% returns throughout cement job. Observed spacer at reserve pit with 260 bbls of displacement pumped. No cement back to surface. Bumped plug on calculated displacement (383 bbls). Inflated Weatherford packer. Opened 4" ball valve in cellar to check for cement. Annulus fluid level already below ground level, no fluid at 4" ball valves. Shifted DV tool open.
02:30	5.44	SRF	NOA		5,040.00	0		Unplanned Operations Operational details: Circulate with rig pump until 2nd stage cement loaded into field bins.
07:56	2.09	SRF	CEM		5,040.00	0		Pump Cement Job (Stage 2) Cement returns to surface 176 bbl Bumped plug? NO 5 minute casing integrity test successful? NO Stage tool held after releasing pressure? NO Is this step offline? NO Lead Cement 265 bbl Tail Cement 0 bbl Comments plug did not leave cement head
10:02	7.01	SRF	WHD		5,040.00	0		Rig Down Cementers and Install Wellhead Components Is this step offline? NO Comments: after R/D of Cement equipment, waiting on cement to gel!
Total	17.04							

Deepest 5 Surveys

MD (ft)	Inc. (°)	Azi. (°)	TVD (ft)	DLeg (°/100ft)	Tool
4,420.00	1.17	107.00	4,370.00	0.16	PTW MWD+HDGM+AXIAL
4,610.00	1.41	125.00	4,550.00	0.25	PTW MWD+HDGM+AXIAL
4,790.00	2.13	119.00	4,730.00	0.41	PTW MWD+HDGM+AXIAL
4,970.00	2.82	118.00	4,920.00	0.38	PTW MWD+HDGM+AXIAL
5,040.00	2.82	117.00	4,990.00	0.05	PTW MWD+HDGM+AXIAL

Fluid Details

Drillstring Details

Date/Time in	Date/Time out	BHA no.	BHA Length (ft)	Min. ID (in)	Purpose

PUMP/HYDRAULIC DATA

Pump No.	Type	Make/Model	Stroke (in)	Liner size (in)	Efficiency (%)	Pressure (psi)	SPM (spm)	Output (gpm)	Kill SPM/Pressure/Depth (spm/psi/ft)
1	TRIPEX	H&H / HHF 1600	12.00						
2	TRIPEX	H&H / HHF 1600	12.00						
3	TRIPEX	H&H / HHF 1600	12.00						

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04/26/2021

Well UNIVERSITY 19 TG UNIT 1308H
Wellbore UNIVERSITY 19 TG UNIT 1308H



Remarks

EP WELLS DAILY OPERATIONS REPORT

Report 5

04/28/2021

Company PERMAN
 Well Type Development
 Well UNIVERSITY 19 TG UNIT 1308H
 Wellbore UNIVERSITY 19 TG UNIT 1308H
 WBS No/API No 30319069 / 42301352180000



Event Summary

Event Type	Drilling only	Event Start Date	04/23/2021	Days on Location	3.07
Objective	Drill - New Well	Original Spud Date	04/24/2021	Days Since Spud	2.86
Est.Days	22.00	Contractor	Nabors Drilling		
Work Unit	Nabors X05	Days To Release			
		Rig Phone/FAX No.	(406) 798-3070		

Well Status

Supervisor	Johnnie Brassell	Measured Depth (ft)	5,040.00
Engineer	Mitch Collins	TVD (ft)	4,990.00
Other Supervisor	Jason Morris	24 Hr Progress (ft)	
Depth Ref/Grd Elev/Water Depth (ft)	DfE: 2,840.00 / 2,810.00	Hole Size (in)	
THF Datum			
Daily NPT (hr/%)	0.00/ 0.00	Last Casing MD	9.630 in@ 5,040.00 ft
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	7.630 in@ 11,060.00 ft
Actual cost to date/AFE	447,410 / 2,910,000.00	Current MWM / BH EMW (ppg)	
Actual Divided by AFE	0.15	LOT/FIT EMW (ppg)	
Daily Cost	\$6,490.00	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	11/29/2019	516	TRCF LWCF Safety Cards - Safe Safety card - Unsafe SSE% Last casing pressure(psi)	
Safety Comments:							
No HSE Issues.							
Held A&A conversation on walking rig. Held A&A conversation on N/u BOP.							

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 Day's Since Last Drill	4

EP WELLS DAILY OPERATIONS REPORT

Report 5

04/28/2021

Well UNIVERSITY 19 TG UNIT 1308H
Wellbore UNIVERSITY 19 TG UNIT 1308H



Operations Summary

24 Hour Summary

Walk rig from 1309H to 1308H. Center up same. Rig Accepted at 21:30 hrs. N/u BOP & test SRL seals t/ 250/10,000 psi for 5 mins each. Start rigging up flowline.

Update Since Report Time

Finish rigging up flowline, MPD lines, trip tank line and install new check valve in kill line. Stand flare stack and start running flare/panic lines. R/u and pull TA plug. Change TDS saver sub f/ 5 1/2" FH t/ 450 Duo. R/u and test remaining BOP components

24 Hour Forecast

P/u 8.75" BHA #2. RIH t/ 1,150'. Shift DV tool closed. Drill out DV tool, packer and baffle t/ 1,250'. Pressure test 9 5/8" casing and MPD equipment. RIH t/ float collar ~4,948'. Slip & cut. Drill out FE and drill ahead 8.75" section.

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT Level	Rig Rate	Description
20:00	1.50	INT1	WLK		5,040.00	0		Walk Rig Well walking from: 1309H Well walking to: 1308H Depth at end of step (MD) 5040 ft Comments: Rig accepted at 21:30 hrs.
21:30	2.50	INT1	RUP		5,040.00	0		Rig Up and Nipple Up BOPs Successful pressure test on SRL seals? YES Comments: Pressure tested SRL seals to 250/10,000 psi for 5 mins each. Rigged up flowline, MPD lines, trip tank line and installed new check valve in kill line. Rig up flare stack and start hooking up flare & panic lines.
Total	4.00							

06:00 Update

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT Level	Description
00:00	5.47	INT1	RUP		5,040.00	0	Rig Up and Nipple Up BOPs Successful pressure test on SRL seals? YES Comments: Pressure tested SRL seals to 250/10,000 psi for 5 mins each. Rigged up flowline, MPD lines, trip tank line and installed new check valve in kill line. Rig up flare stack and start hooking up flare & panic lines.

Deepest 5 Surveys

MD (ft)	Inc. (°)	Azi. (°)	TVD (ft)	DLeg (°/100ft)	Tool
4,420.00	1.17	107.00	4,370.00	0.16	PTW MWD+HDGM+AXIAL
4,610.00	1.41	125.00	4,550.00	0.25	PTW MWD+HDGM+AXIAL
4,790.00	2.13	119.00	4,730.00	0.41	PTW MWD+HDGM+AXIAL
4,970.00	2.82	118.00	4,920.00	0.38	PTW MWD+HDGM+AXIAL
5,040.00	2.82	117.00	4,990.00	0.05	PTW MWD+HDGM+AXIAL

Fluid Details

Drillstring Details

Date/Time in	Date/Time out	BHA no.	BHA Length (ft)	Min. ID (in)	Purpose

EP WELLS DAILY OPERATIONS REPORT

Report 5

04/28/2021

Well UNIVERSITY 19 TG UNIT 1308H
Wellbore UNIVERSITY 19 TG UNIT 1308H



PUMP/HYDRAULIC DATA

Pump No.	Type	Make/Model	Stroke (in)	Liner size (in)	Efficiency (%)	Pressure (psi)	SPM (spm)	Output (gpm)	Kill SPM/Pressure/Depth (spm/psi/ft)
1	TRIPEX	H&H / HHF 1600	12.00						
2	TRIPEX	H&H / HHF 1600	12.00						
3	TRIPEX	H&H / HHF 1600	12.00						

Remarks

University 19-13 PW Units 1009H, 1309H & TG Units 1008H, 1308H
(UL-19-13- P1) (FC)
Latitude: N 31° 42' 06.54"
Longitude: W 103° 23' 34.32"

HOSPITAL INFORMATION

Winkler County Memorial Hospital; 821 Jeffee Dr; Kermit, TX 79745 423-586-8299
Reeves County Hospital; 2323 S. Texas St; Pecos, TX 79772 432-447-3551

INSTRUCTIONS FROM NEAREST MAJOR INTERSECTION

NOTE: Heavy truck route: Large and Heavy loads need to use bonded route. Contact Shell HSSE department for bonded routes or access from the UA contractors website - <http://www.uacontractor.com/east/routes/index.php>

From Kermit - From Major Intersection Hwy 302 at State Hwy 115 Continue ahead on Hwy 302, 15.8 miles turn left at A-3 lease road and continue a head 5.7 miles (N 31° 42.6446', W 103° 19.6355') then turn right and continue ahead 2.6 miles, veer right then left around (Old Ranch Trailer) and continue ahead 2.1 miles, veer right and drive 0.5 miles. Turn right and continue ahead 0.8 miles onto location entrance on the left.

From Pecos - From Major Intersection Hwy 302 at Hwy 285 Turn right off Hwy 285 at Hwy 302, continue ahead 19.4 miles turn right at A-3 lease road and continue a head 5.7 miles (N 31° 42.6446', W 103° 19.6355') then turn right and continue ahead 2.6 miles, veer right then left around (Old Ranch Trailer) and continue ahead 2.1 miles, veer right and drive 0.5 miles. Turn right and continue ahead 0.8 miles onto location entrance on the left.

EP WELLS DAILY OPERATIONS REPORT

Report 6

04/29/2021

Company PERMAN
 Well Type Development
 Well UNIVERSITY 19 TG UNIT 1308H
 Wellbore UNIVERSITY 19 TG UNIT 1308H
 WBS No/API No 30319069 / 42301352180000



Event Summary

Event Type	Drilling only	Event Start Date	04/23/2021	Days on Location	4.07
Objective	Drill - New Well	Original Spud Date	04/24/2021	Days Since Spud	3.86
Est.Days	22.00	Contractor	Nabors Drilling		
Work Unit	Nabors X05	Days To Release			
		Rig Phone/FAX No.	(406) 798-3070		

Well Status

Supervisor	Johnnie Brassell	Measured Depth (ft)	5,040.00
Engineer	Mitch Collins	TVD (ft)	4,990.00
Other Supervisor	Jason Morris	24 Hr Progress (ft)	
Depth Ref/Grd Elev/Water Depth (ft)	DFE: 2,840.00 / 2,810.00	Hole Size (in)	
THF Datum			
Daily NPT (hr/%)	0.00/ 0.00	Last Casing MD	9.630 in@ 5,040.00 ft
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	7.630 in@ 11,060.00 ft
Actual cost to date/AFE	453,530 / 2,910,000.00	Current MWM / BH EMW (ppg)	
Actual Divided by AFE	0.16	LOT/FIT EMW (ppg)	
Daily Cost	\$6,120.00	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	11/29/2019	517	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 Day's Since Last Drill	5

Operations Summary

24 Hour Summary
Update Since Report Time
24 Hour Forecast

EP WELLS DAILY OPERATIONS REPORT

Report 6

04/29/2021

Well UNIVERSITY 19 TG UNIT 1308H
Wellbore UNIVERSITY 19 TG UNIT 1308H



Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT Level	Rig Rate	Description
00:00	5.47	INT1	RUP		5,040.00	0		Rig Up and Nipple Up BOPs Successful pressure test on SRL seals? YES Comments: Pressure tested SRL seals to 250/10,000 psi for 5 mins each. Rigged up flowline, MPD lines, trip tank line and installed new check valve in kill line. Rig up flare stack and start hooking up flare & panic lines.
Total	5.47							

Deepest 5 Surveys

MD (ft)	Inc. (°)	Azi. (°)	TVD (ft)	DLeg (°/100ft)	Tool
4,420.00	1.17	107.00	4,370.00	0.16	PTW MWD+HDGM+AXIAL
4,610.00	1.41	125.00	4,550.00	0.25	PTW MWD+HDGM+AXIAL
4,790.00	2.13	119.00	4,730.00	0.41	PTW MWD+HDGM+AXIAL
4,970.00	2.82	118.00	4,920.00	0.38	PTW MWD+HDGM+AXIAL
5,040.00	2.82	117.00	4,990.00	0.05	PTW MWD+HDGM+AXIAL

Fluid Details

Drillstring Details

Date/Time in	Date/Time out	BHA no.	BHA Length (ft)	Min. ID (in)	Purpose

PUMP/HYDRAULIC DATA

Pump No.	Type	Make/Model	Stroke (in)	Liner size (in)	Efficiency (%)	Pressure (psi)	SPM (spm)	Output (gpm)	Kill SPM/Pressure/Depth (spm/psi/ft)
1	TRIPEX	H&H / HHF 1600	12.00						
2	TRIPEX	H&H / HHF 1600	12.00						
3	TRIPEX	H&H / HHF 1600	12.00						

Remarks

EP WELLS DAILY OPERATIONS REPORT

Report 7

04/30/2021

Company PERMAN
 Well Type Development
 Well UNIVERSITY 19 TG UNIT 1308H
 Wellbore UNIVERSITY 19 TG UNIT 1308H
 WBS No/API No 30319069 / 42301352180000



Event Summary

Event Type	Drilling only	Event Start Date	04/23/2021	Days on Location	5.07
Objective	Drill - New Well	Original Spud Date	04/24/2021	Days Since Spud	4.86
Est.Days	22.00	Contractor	Nabors Drilling		
Work Unit	Nabors X05	Days To Release			
		Rig Phone/FAX No.	(406) 798-3070		

Well Status

Supervisor	Johnnie Brassell	Measured Depth (ft)	5,040.00
Engineer	Mitch Collins	TVD (ft)	4,990.00
Other Supervisor	Jason Morris	24 Hr Progress (ft)	
Depth Ref/Grd Elev/Water Depth (ft)	DFE: 2,840.00 / 2,810.00	Hole Size (in)	
THF Datum			
Daily NPT (hr/%)	0.00/ 0.00	Last Casing MD	9.630 in@ 5,040.00 ft
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	7.630 in@ 11,060.00 ft
Actual cost to date/AFE	622,810 / 2,910,000.00	Current MWM / BH EMW (ppg)	
Actual Divided by AFE	0.21	LOT/FIT EMW (ppg)	
Daily Cost	\$80,000.00	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	11/29/2019	518	TRCF LWCF Safety Cards - Safe Safety card - Unsafe SSE% Last casing pressure(psi)	

Safety Comments:

No HSE Issues.

Held A&A conversation on reaming in the hole.
 Held A&A conversation on pressure testing casing.
 Held A&A conversation on POOH & handle BHA.
 Held A&A conversation on P/u BHA and RIH.
 Held A&A conversation on slip/cut drill line.

HSE Drills

Drills/Tests	Date	Days Since Last		
Last Derrick Inspection			JSA's/Toolbox Talks	
Last BOP Function Test	04/29/2021	1	Day's Since Last Drill	1
Last BOP Test	04/29/2021	1		
Next BOP Test	05/20/2021			

EP WELLS DAILY OPERATIONS REPORT

Report 7

04/30/2021

Well UNIVERSITY 19 TG UNIT 1308H
Wellbore UNIVERSITY 19 TG UNIT 1308H



Operations Summary

24 Hour Summary

Update Since Report Time

24 Hour Forecast

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT Level	Rig Rate	Description
00:00	4.34	INT1	NOA		5,040.00	0		Ream in Hole Operational details: Ream in hole f/ 680' t/ 1,150'. Comments: Suspected tagged cement at 1,140'. RPM: 20; GPM: 450; Reaming speed: 300 ft/hr. No clear indication of DV Tool at tally depth of 1,150". Continued in hole to find contingency baffle. (Tally depth: 1,250"). Tagged hard on contingency baffle at 1,240". Suspected cement at 1,140" most likely DV Tool which was drilled out prematurely without shifting closed. Discussed way forward with Engineer. Decision made to drill out contingency baffle. Drilled out contingency baffle at 1,240". Circulated bottoms up. Spaced out across BOP. Shut in on rams.
04:20	1.16	INT1	DCM		5,040.00	0		Pressure Test Casing Successful pressure test? YES Comments: 1,500 psi for 30 minutes.
05:30	6.74	INT1	NOA		5,040.00	0		POOH and L/d 8 3/4" simple BHA Operational details: POOH f/ 1,220' to surface. Lay down bit, motor and crossover.
12:14	0.00	INT1	BHA		5,040.00	0		Pick up Intermediate BHA Wear bushing installed? YES
12:14	0.75	INT1	TIH		5,040.00	0		Trip in Hole Trip from 0 ft Trip to 4780 ft
12:59	2.01	INT1	DCM		5,040.00	0		Drill Out 9 5/8" Shoe Track Tag float collar at 4944 ft Tag float shoe at 5036 ft
Total	15.01							

Deepest 5 Surveys

MD (ft)	Inc. (°)	Azi. (°)	TVD (ft)	DLeg (°/100ft)	Tool
4,240.00	1.23	94.10	4,190.00	0.41	PTW MWD+HDGM+AXIAL
4,420.00	1.17	107.00	4,370.00	0.16	PTW MWD+HDGM+AXIAL
4,610.00	1.41	125.00	4,550.00	0.25	PTW MWD+HDGM+AXIAL
4,790.00	2.13	119.00	4,730.00	0.41	PTW MWD+HDGM+AXIAL
4,970.00	2.82	118.00	4,920.00	0.38	PTW MWD+HDGM+AXIAL

Fluid Details

Drillstring Details

Date/Time in	Date/Time out	BHA no.	BHA Length (ft)	Min. ID (in)	Purpose

EP WELLS DAILY OPERATIONS REPORT

Report 7

04/30/2021

Well UNIVERSITY 19 TG UNIT 1308H
Wellbore UNIVERSITY 19 TG UNIT 1308H



PUMP/HYDRAULIC DATA

Pump No.	Type	Make/Model	Stroke (in)	Liner size (in)	Efficiency (%)	Pressure (psi)	SPM (spm)	Output (gpm)	Kill SPM/Pressure/Depth (spm/psi/ft)
1	TRIPEX	H&H / HHF 1600	12.00						
2	TRIPEX	H&H / HHF 1600	12.00						
3	TRIPEX	H&H / HHF 1600	12.00						

Remarks

University 19-13 PW Units 1009H, 1309H & TG Units 1008H, 1308H
(UL-19-13- P1) (FC)
Latitude: N 31° 42' 06.54"
Longitude: W 103° 23' 34.32"

HOSPITAL INFORMATION

Winkler County Memorial Hospital; 821 Jeffee Dr; Kermit, TX 79745 423-586-8299
Reeves County Hospital; 2323 S. Texas St; Pecos, TX 79772 432-447-3551

INSTRUCTIONS FROM NEAREST MAJOR INTERSECTION

NOTE: Heavy truck route: Large and Heavy loads need to use bonded route. Contact Shell HSSE department for bonded routes or access from the UA contractors website - <http://www.uacontractor.com/east/routes/index.php>

From Kermit - From Major Intersection Hwy 302 at State Hwy 115 Continue ahead on Hwy 302, 15.8 miles turn left at A-3 lease road and continue a head 5.7 miles (N 31° 42.6446', W 103° 19.6355') then turn right and continue ahead 2.6 miles, veer right then left around (Old Ranch Trailer) and continue ahead 2.1 miles, veer right and drive 0.5 miles. Turn right and continue ahead 0.8 miles onto location entrance on the left.

From Pecos - From Major Intersection Hwy 302 at Hwy 285 Turn right off Hwy 285 at Hwy 302, continue ahead 19.4 miles turn right at A-3 lease road and continue a head 5.7 miles (N 31° 42.6446', W 103° 19.6355') then turn right and continue ahead 2.6 miles, veer right then left around (Old Ranch Trailer) and continue ahead 2.1 miles, veer right and drive 0.5 miles. Turn right and continue ahead 0.8 miles onto location entrance on the left.

EP WELLS DAILY OPERATIONS REPORT

Report 9

05/02/2021

Company PERMIAN
 Well Type Development
 Well UNIVERSITY 19 TG UNIT 1308H
 Wellbore UNIVERSITY 19 TG UNIT 1308H
 WBS No/API No 30319069 / 42301352180000



Event Summary

Event Type	Drilling only	Event Start Date	04/23/2021	Days on Location	7.07
Objective	Drill - New Well	Original Spud Date	04/24/2021	Days Since Spud	6.86
Est.Days	22.00	Contractor	Nabors Drilling		
Work Unit	Nabors X05	Days To Release			
		Rig Phone/FAX No.	(406) 798-3070		

Well Status

Supervisor	Johnnie Brassell	Measured Depth (ft)	9,410.00
Engineer	Mitch Collins	TVD (ft)	9,360.00
Other Supervisor	Jason Morris	24 Hr Progress (ft)	
Depth Ref/Grd Elev/Water Depth (ft)	DfE: 2,840.00 / 2,810.00	Hole Size (in)	
THF Datum			
Daily NPT (hr/%)	0.00/ 0.00	Last Casing MD	9.630 in@ 5,040.00 ft
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	7.630 in@ 11,060.00 ft
Actual cost to date/AFE	724,110 / 2,910,000.00	Current MWM / BH EMW (ppg)	
Actual Divided by AFE	0.25	LOT/FIT EMW (ppg)	
Daily Cost	\$50,400.00	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	11/29/2019	520	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			JSA's/Toolbox Talks	
Last BOP Function Test	04/29/2021	3	Day's Since Last Drill	1
Last BOP Test	04/29/2021	3		
Next BOP Test	05/20/2021			

Operations Summary

24 Hour Summary
Update Since Report Time
24 Hour Forecast

EP WELLS DAILY OPERATIONS REPORT

Report 9

05/02/2021

Well UNIVERSITY 19 TG UNIT 1308H
Wellbore UNIVERSITY 19 TG UNIT 1308H



Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT Level	Rig Rate	Description
00:00	24.00	INT1	DRL		9,410.00	0		Drill Ahead - 8 3/4" Hole Active mud weight: 9.2 lb/gal Depth at end of step (MD) 9411 ft
00:00	6.00	INT1	DRL		9,620.00	0		Drill Ahead - 8 3/4" Hole Depth at end of step (MD) 9621 ft Active mud weight: 9.2 lb/gal Depth at which started circulating closed loop: 9500 ft
06:00	1.79	INT1	CBU		9,620.00	0		Circulate Bottoms Up Active mud weight: 9.2 lb/gal Number of bottoms up: 1
07:47	3.51	INT1	TOH		9,620.00	0		Trip out of Hole Trip out from: 9622 ft MPD stripping pressure: 350 psi Comments: well flowing at 100bph pumped 335bbls to kill Remove rotating head? NO
11:18	2.96	INT1	TOH		9,620.00	0		Trip out of Hole Trip out from: 5036 ft Tight hole encountered? NO Remove rotating head? YES MPD stripping pressure: 0 psi
14:16	1.65	INT1	BHA		9,620.00	0		Handle BHA Wear bushing installed? YES Laid down: Motor, Bit Picked up: Bit, Motor
Total	39.91							

Deepest 5 Surveys

MD (ft)	Inc. (°)	Azi. (°)	TVD (ft)	DLeg (°/100ft)	Tool
8,570.00	2.05	207.00	8,510.00	0.16	PTW MWD+HDGM+AXIAL
8,750.00	2.17	213.00	8,690.00	0.13	PTW MWD+HDGM+AXIAL
8,930.00	2.84	222.00	8,870.00	0.43	PTW MWD+HDGM+AXIAL
9,110.00	2.72	227.00	9,050.00	0.14	PTW MWD+HDGM+AXIAL
9,290.00	2.76	212.00	9,230.00	0.39	PTW MWD+HDGM+AXIAL

Fluid Details

Drillstring Details

Date/Time in	Date/Time out	BHA no.	BHA Length (ft)	Min. ID (in)	Purpose

PUMP/HYDRAULIC DATA

Pump No.	Type	Make/Model	Stroke (in)	Liner size (in)	Efficiency (%)	Pressure (psi)	SPM (spm)	Output (gpm)	Kill SPM/Pressure/Depth (spm/psi/ft)
1	TRIPEX	H&H / HHF 1600	12.00						
2	TRIPEX	H&H / HHF 1600	12.00						
3	TRIPEX	H&H / HHF 1600	12.00						

Remarks

EP WELLS DAILY OPERATIONS REPORT

Report 8

05/01/2021

Company PERMAN
 Well Type Development
 Well UNIVERSITY 19 TG UNIT 1308H
 Wellbore UNIVERSITY 19 TG UNIT 1308H
 WBS No/API No 30319069 / 42301352180000



Event Summary

Event Type	Drilling only	Event Start Date	04/23/2021	Days on Location	6.07
Objective	Drill - New Well	Original Spud Date	04/24/2021	Days Since Spud	5.86
Est.Days	22.00	Contractor	Nabors Drilling		
Work Unit	Nabors X05	Days To Release			
		Rig Phone/FAX No.	(406) 798-3070		

Well Status

Supervisor	Johnnie Brassell	Measured Depth (ft)	5,040.00
Engineer	Mitch Collins	TVD (ft)	4,990.00
Other Supervisor	Jason Morris	24 Hr Progress (ft)	
Depth Ref/Grd Elev/Water Depth (ft)	DfE: 2,840.00 / 2,810.00	Hole Size (in)	
THF Datum			
Daily NPT (hr/%)	0.00/ 0.00	Last Casing MD	9.630 in@ 5,040.00 ft
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	7.630 in@ 11,060.00 ft
Actual cost to date/AFE	692,410 / 2,910,000.00	Current MWM / BH EMW (ppg)	
Actual Divided by AFE	0.24	LOT/FIT EMW (ppg)	
Daily Cost	\$72,100.00	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	11/29/2019	519	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			JSA's/Toolbox Talks	
Last BOP Function Test	04/29/2021	2	Day's Since Last Drill	2
Last BOP Test	04/29/2021	2		
Next BOP Test	05/20/2021			

Operations Summary

24 Hour Summary
Update Since Report Time
24 Hour Forecast

EP WELLS DAILY OPERATIONS REPORT

Report 8

05/01/2021

Well UNIVERSITY 19 TG UNIT 1308H
Wellbore UNIVERSITY 19 TG UNIT 1308H



Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT Level	Rig Rate	Description
00:00	0.00	INT1	DRL		6,910.00	0		Drill Ahead 8 3/4" Hole Depth at end of step (MD) 6908 ft Active mud weight 9.2 lb/gal Backpressure while drilling 0 psi Backpressure during connections 0 psi
Total	0.00							

Deepest 5 Surveys

MD (ft)	Inc. (°)	Azi. (°)	TVD (ft)	DLeg (°/100ft)	Tool
4,240.00	1.23	94.10	4,190.00	0.41	PTW MWD+HDGM+AXIAL
4,420.00	1.17	107.00	4,370.00	0.16	PTW MWD+HDGM+AXIAL
4,610.00	1.41	125.00	4,550.00	0.25	PTW MWD+HDGM+AXIAL
4,790.00	2.13	119.00	4,730.00	0.41	PTW MWD+HDGM+AXIAL
4,970.00	2.82	118.00	4,920.00	0.38	PTW MWD+HDGM+AXIAL

Fluid Details

Drillstring Details

Date/Time in	Date/Time out	BHA no.	BHA Length (ft)	Min. ID (in)	Purpose

PUMP/HYDRAULIC DATA

Pump No.	Type	Make/Model	Stroke (in)	Liner size (in)	Efficiency (%)	Pressure (psi)	SPM (spm)	Output (gpm)	Kill SPM/Pressure/Depth (spm/psi/ft)
1	TRIPEX	H&H / HHF 1600	12.00						
2	TRIPEX	H&H / HHF 1600	12.00						
3	TRIPEX	H&H / HHF 1600	12.00						

Remarks

EP WELLS DAILY OPERATIONS REPORT

Report 10

05/03/2021

Company PERMAN
 Well Type Development
 Well UNIVERSITY 19 TG UNIT 1308H
 Wellbore UNIVERSITY 19 TG UNIT 1308H
 WBS No/API No 30319069 / 42301352180000



Event Summary

Event Type	Drilling only	Event Start Date	04/23/2021	Days on Location	8.07
Objective	Drill - New Well	Original Spud Date	04/24/2021	Days Since Spud	7.86
Est.Days	22.00	Contractor	Nabors Drilling		
Work Unit	Nabors X05	Days To Release			
		Rig Phone/FAX No.	(406) 798-3070		

Well Status

Supervisor	Johnnie Brassell	Measured Depth (ft)	11,140.00
Engineer	Mitch Collins	TVD (ft)	11,080.00
Other Supervisor	Jason Morris	24 Hr Progress (ft)	1,480.00
Depth Ref/Grd Elev/Water Depth (ft)	DfE: 2,840.00 / 2,810.00	Hole Size (in)	
THF Datum			
Daily NPT (hr/%)	0.00/ 0.00	Last Casing MD	9.630 in@ 5,040.00 ft
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	7.630 in@ 11,060.00 ft
Actual cost to date/AFE	838,210 / 2,910,000.00	Current MWM / BH EMW (ppg)	
Actual Divided by AFE	0.29	LOT/FIT EMW (ppg)	
Daily Cost	\$64,300.00	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	11/29/2019	521	TRCF LWCF Safety Cards - Safe Safety card - Unsafe SSE% Last casing pressure(psi)	

Safety Comments:

No HSE Issues.

Held A&A conversation on making connections & p/u DP while drilling.

Held A&A conversation on bullheading well dead.

Held A&A conversation on performing generator maintenance.

HSE Drills

Drills/Tests	Date	Days Since Last	JSA's/Toolbox Talks	
Last Derrick Inspection			Day's Since Last Drill	
Last BOP Function Test	04/29/2021	4		1
Last BOP Test	04/29/2021	4		
Next BOP Test	05/20/2021			

Operations Summary

24 Hour Summary

Drill 8 3/4" intermediate section f/ 9,659' t/ TD at 11,140'. Pump clean up cycles. Pump slug. Bullhead well dead w/ 200 bbls of 13.0 ppg KWM. POOH f/ 11,140' t/ 9,060'.

Update Since Report Time

POOH f/ 9,060' t/ 2,600'.

24 Hour Forecast

POOH f/ 2,600' t/ 114'. L/d intermediate BHA #4. Pull wearbushing. R/u, run & land 7 5/8" intermediate casing t/ 11,125'. R/d casing equipment. Install cement sleeve & TA plug. N/d BOP. Release rig to 1309H.

EP WELLS DAILY OPERATIONS REPORT

Report 10

05/03/2021

Well UNIVERSITY 19 TG UNIT 1308H
Wellbore UNIVERSITY 19 TG UNIT 1308H



Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT Level	Rig Rate	Description
00:00	19.00	INT1	DRL		11,070.00	0		Drill Ahead - 8 3/4" Hole Active mud weight: 9.3 lb/gal Depth at end of step (MD) 11067 ft
19:00	0.50	INT1	SVC		11,070.00	0		Rig Service Comments: Service TDS
19:30	0.57	INT1	DRL		11,140.00	0		Drill Ahead - 8 3/4" Hole Active mud weight: 9.3 lb/gal Depth at end of step (MD) 11140 ft
20:04	1.29	INT1	CBU		11,140.00	0		Circulate Bottoms Up Number of bottoms up pumped 2 Number of ream downs performed 1 Active mud weight 9.3 lb/gal Flow rate 705 GPM
21:21	2.65	INT1	TOH		11,140.00	0		Trip Out of Hole Trip out from 11140 ft Trip out to 114 ft Active mud weight 9.3 lb/gal Bullhead required? YES Barrels pumped 200 bbl Kill mud weight 13.0 lb/gal Pull rotating head? YES Tight hole encountered? YES Reasons for trip Section TD. Comments: Pumped 40 bbls of 14.0 ppg slug. Trip at slightly reduced speed due to high winds. Tight spot at 8.550', took 60k over pull. Wiped same, no issues.
Total	24.01							

06:00 Update

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT Level	Description
00:00	5.93	INT1	TOH		11,140.00	0	Trip Out of Hole Trip out from 11140 ft Trip out to 114 ft Active mud weight 9.3 lb/gal Bullhead required? YES Barrels pumped 200 bbl Kill mud weight 13.0 lb/gal Pull rotating head? YES Tight hole encountered? YES Reasons for trip Section TD. Comments: Pumped 40 bbls of 14.0 ppg slug. Trip at slightly reduced speed due to high winds. Tight spot at 8.550', took 60k over pull. Wiped same, no issues.
05:55	0.85	INT1	BHA		11,140.00	0	Lay Down BHA Laid down BHA # 4

Deepest 5 Surveys

MD (ft)	Inc. (°)	Azi. (°)	TVD (ft)	DLeg (°/100ft)	Tool
10,560.00	1.68	304.00	10,500.00	0.63	PTW MWD+HDGM+AXIAL
10,740.00	1.57	255.00	10,680.00	0.74	PTW MWD+HDGM+AXIAL
10,920.00	1.96	224.00	10,860.00	0.57	PTW MWD+HDGM+AXIAL
11,080.00	2.12	226.00	11,020.00	0.12	PTW MWD+HDGM+AXIAL
11,140.00	2.12	226.00	11,080.00	0.00	PTW MWD+HDGM+AXIAL

Fluid Details

EP WELLS DAILY OPERATIONS REPORT

Report 10

05/03/2021

Well UNIVERSITY 19 TG UNIT 1308H
Wellbore UNIVERSITY 19 TG UNIT 1308H



Drillstring Details

Date/Time in	Date/Time out	BHA no.	BHA Length (ft)	Min. ID (in)	Purpose

PUMP/HYDRAULIC DATA

Pump No.	Type	Make/Model	Stroke (in)	Liner size (in)	Efficiency (%)	Pressure (psi)	SPM (spm)	Output (gpm)	Kill SPM/Pressure/Depth (spm/psi/ft)
1	TRIPEX	H&H / HHF 1600	12.00						
2	TRIPEX	H&H / HHF 1600	12.00						
3	TRIPEX	H&H / HHF 1600	12.00						

Remarks

University 19-13 PW Units 1009H, 1309H & TG Units 1008H, 1308H
(UL-19-13- P1) (FC)
Latitude: N 31° 42' 06.54"
Longitude: W 103° 23' 34.32"

HOSPITAL INFORMATION

Winkler County Memorial Hospital; 821 Jeffee Dr; Kermit, TX 79745 423-586-8299
Reeves County Hospital; 2323 S. Texas St; Pecos, TX 79772 432-447-3551

INSTRUCTIONS FROM NEAREST MAJOR INTERSECTION

NOTE: Heavy truck route: Large and Heavy loads need to use bonded route. Contact Shell HSSE department for bonded routes or access from the UA contractors website - <http://www.uacontractor.com/east/routes/index.php>

From Kermit - From Major Intersection Hwy 302 at State Hwy 115 Continue ahead on Hwy 302, 15.8 miles turn left at A-3 lease road and continue a head 5.7 miles (N 31° 42.6446', W 103° 19.6355') then turn right and continue ahead 2.6 miles, veer right then left around (Old Ranch Trailer) and continue ahead 2.1 miles, veer right and drive 0.5 miles. Turn right and continue ahead 0.8 miles onto location entrance on the left.

From Pecos - From Major Intersection Hwy 302 at Hwy 285 Turn right off Hwy 285 at Hwy 302, continue ahead 19.4 miles turn right at A-3 lease road and continue a head 5.7 miles (N 31° 42.6446', W 103° 19.6355') then turn right and continue ahead 2.6 miles, veer right then left around (Old Ranch Trailer) and continue ahead 2.1 miles, veer right and drive 0.5 miles. Turn right and continue ahead 0.8 miles onto location entrance on the left.

EP WELLS DAILY OPERATIONS REPORT

Report 11

05/04/2021

Company PERMAN
 Well Type Development
 Well UNIVERSITY 19 TG UNIT 1308H
 Wellbore UNIVERSITY 19 TG UNIT 1308H
 WBS No/API No 30319069 / 42301352180000



Event Summary

Event Type	Drilling only	Event Start Date	04/23/2021	Days on Location	9.07
Objective	Drill - New Well	Original Spud Date	04/24/2021	Days Since Spud	8.86
Est.Days	22.00	Contractor	Nabors Drilling		
Work Unit	Nabors X05	Days To Release			
		Rig Phone/FAX No.	(406) 798-3070		

Well Status

Supervisor	Johnnie Brassell	Measured Depth (ft)	11,140.00
Engineer	Mitch Collins	TVD (ft)	11,080.00
Other Supervisor	Jason Morris	24 Hr Progress (ft)	
Depth Ref/Grd Elev/Water Depth (ft)	DFE: 2,840.00 / 2,810.00	Hole Size (in)	
THF Datum			
Daily NPT (hr/%)	0.00/ 0.00	Last Casing MD	9.630 in@ 5,040.00 ft
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	7.630 in@ 11,060.00 ft
Actual cost to date/AFE	896,110 / 2,910,000.00	Current MWM / BH EMW (ppg)	
Actual Divided by AFE	0.31	LOT/FIT EMW (ppg)	
Daily Cost	\$57,900.00	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	11/29/2019	522	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			JSA's/Toolbox Talks	
Last BOP Function Test	04/29/2021	5	Day's Since Last Drill	2
Last BOP Test	04/29/2021	5		
Next BOP Test	05/20/2021			

Operations Summary

24 Hour Summary
Update Since Report Time
24 Hour Forecast

EP WELLS DAILY OPERATIONS REPORT

Report 11

05/04/2021

Well UNIVERSITY 19 TG UNIT 1308H
Wellbore UNIVERSITY 19 TG UNIT 1308H



Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT Level	Rig Rate	Description
00:00	5.93	INT1	TOH		11,140.00	0		Trip Out of Hole Trip out from 11140 ft Trip out to 114 ft Active mud weight 9.3 lb/gal Bullhead required? YES Barrels pumped 200 bbl Kill mud weight 13.0 lb/gal Pull rotating head? YES Tight hole encountered? YES Reasons for trip Section TD. Comments: Pumped 40 bbls of 14.0 ppg slug. Trip at slightly reduced speed due to high winds. Tight spot at 8.550', took 60k over pull. Wiped same, no issues.
05:55	0.85	INT1	BHA		11,140.00	0		Lay Down BHA Laid down BHA # 4
06:46	1.29	INT1	RIC		11,140.00	0		Rig Up Casing Running Tools Pulled wear bushing? YES
08:04	9.64	INT1	CLR		11,140.00	0		Run Intermediate Casing Run intermediate casing from 0 ft Run intermediate casing to 11091 ft Install rotating head? NO Comments: 10,786' kill well 100bbl 12.5 ppg
Total	17.71							

Deepest 5 Surveys

MD (ft)	Inc. (°)	Azi. (°)	TVD (ft)	DLeg (°/100ft)	Tool
10,560.00	1.68	304.00	10,500.00	0.63	PTW MWD+HDGM+AXIAL
10,740.00	1.57	255.00	10,680.00	0.74	PTW MWD+HDGM+AXIAL
10,920.00	1.96	224.00	10,860.00	0.57	PTW MWD+HDGM+AXIAL
11,080.00	2.12	226.00	11,020.00	0.12	PTW MWD+HDGM+AXIAL
11,140.00	2.12	226.00	11,080.00	0.00	PTW MWD+HDGM+AXIAL

Fluid Details

Drillstring Details

Date/Time in	Date/Time out	BHA no.	BHA Length (ft)	Min. ID (in)	Purpose

PUMP/HYDRAULIC DATA

Pump No.	Type	Make/Model	Stroke (in)	Liner size (in)	Efficiency (%)	Pressure (psi)	SPM (spm)	Output (gpm)	Kill SPM/Pressure/Depth (spm/psi/ft)
1	TRIPEX	H&H / HHF 1600	12.00						
2	TRIPEX	H&H / HHF 1600	12.00						
3	TRIPEX	H&H / HHF 1600	12.00						

Remarks

EP WELLS DAILY OPERATIONS REPORT

Report 12

05/05/2021

Company PERMAN
 Well Type Development
 Well UNIVERSITY 19 TG UNIT 1308H
 Wellbore UNIVERSITY 19 TG UNIT 1308H
 WBS No/API No 30319069 / 42301352180000



Event Summary

Event Type	Drilling only	Event Start Date	04/23/2021	Days on Location	8.96
Objective	Drill - New Well	Original Spud Date	04/24/2021	Days Since Spud	8.75
Est.Days	22.00	Contractor	Nabors Drilling		
Work Unit	Nabors X05	Days To Release			
		Rig Phone/FAX No.	(406) 798-3070		

Well Status

Supervisor	Justin Henson	Measured Depth (ft)	11,140.00
Engineer	Mitch Collins	TVD (ft)	11,080.00
Other Supervisor	Jason Morris	24 Hr Progress (ft)	
Depth Ref/Grd Elev/Water Depth (ft)	DFE: 2,840.00 / 2,810.00	Hole Size (in)	
THF Datum			
Daily NPT (hr/%)	0.00/ 0.00	Last Casing MD	9.630 in@ 5,040.00 ft
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	7.630 in@ 11,060.00 ft
Actual cost to date/AFE	1,168,200 / 2,910,000.00	Current MWM / BH EMW (ppg)	
Actual Divided by AFE	0.40	LOT/FIT EMW (ppg)	
Daily Cost	\$8,790.00	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	11/29/2019	523	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			JSA's/Toolbox Talks	
Last BOP Function Test	04/29/2021	6	Day's Since Last Drill	3
Last BOP Test	04/29/2021	6		
Next BOP Test	05/20/2021			

Operations Summary

24 Hour Summary
Update Since Report Time
24 Hour Forecast

EP WELLS DAILY OPERATIONS REPORT

Report 12

05/05/2021

Well UNIVERSITY 19 TG UNIT 1308H
Wellbore UNIVERSITY 19 TG UNIT 1308H



Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT Level	Rig Rate	Description
00:00	5.00	INT1	RCC		11,140.00	0		R/U Cementers and Install Cement Head Is this step offline? YES
05:00	15.80	INT1	RCC		11,140.00	0		Retrieve BPV BPV retrieved? YES Is this step offline? YES
20:47	0.02	INT1	RCC		11,140.00	0		Pressure Test TPW, Fill Casing, and Circulate Hole BPV retrieved? YES Is this step offline? YES TPW pressure test successfully completed? YES Circulated a minimum of one casing volume? YES Was inducing flow required? YES Comments: Gull returns after inducing
20:48	0.05	INT1	CEM		11,140.00	0		Pump Cement Job Is this step offline? YES TPW pressure test successfully completed? YES Freshwater spacer volume 20 bbl Lead cement volume 138 bbl Lead cement density 10.5 lb/gal Tail cement volume 37 bbl Tail cement density 14.5 lb/gal Freshwater volume 20 bbl Heavy mud volume 190 bbl Heavy mud density 13.0 lb/gal Bumped plug? YES Bump plug displacement volume 519 bbl Successful 30 min pressure test on casing? YES Floats held? YES Bled back volume 4 bbl Estimated losses 0 bbl TRRC contact person Lucy with TRRC SOVs closed? YES Comments: full returns
20:52	0.01	INT1	WHD		11,140.00	0		Rig Down Cementers Is this step offline? YES TA plug installed and tested? YES
Total	20.89							

Deepest 5 Surveys

MD (ft)	Inc. (°)	Azi. (°)	TVD (ft)	DLeg (°/100ft)	Tool
10,560.00	1.68	304.00	10,500.00	0.63	PTW MWD+HDGM+AXIAL
10,740.00	1.57	255.00	10,680.00	0.74	PTW MWD+HDGM+AXIAL
10,920.00	1.96	224.00	10,860.00	0.57	PTW MWD+HDGM+AXIAL
11,080.00	2.12	226.00	11,020.00	0.12	PTW MWD+HDGM+AXIAL
11,140.00	2.12	226.00	11,080.00	0.00	PTW MWD+HDGM+AXIAL

Fluid Details

Drillstring Details

Date/Time in	Date/Time out	BHA no.	BHA Length (ft)	Min. ID (in)	Purpose

EP WELLS DAILY OPERATIONS REPORT

Report 12

05/05/2021

Well UNIVERSITY 19 TG UNIT 1308H
Wellbore UNIVERSITY 19 TG UNIT 1308H



PUMP/HYDRAULIC DATA

Pump No.	Type	Make/Model	Stroke (in)	Liner size (in)	Efficiency (%)	Pressure (psi)	SPM (spm)	Output (gpm)	Kill SPM/Pressure/Depth (spm/psi/ft)
1	TRIPEX	H&H / HHF 1600	12.00						
2	TRIPEX	H&H / HHF 1600	12.00						
3	TRIPEX	H&H / HHF 1600	12.00						

Remarks