

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 10-17E 5H

UNIVERSITY 10-17E 5H						
API/UWI 42-383-41037-0000		Property Sub		Operator PIONEER NATURAL RESOURCES USA INC		State TEXAS
County REAGAN						
Field Name SPRABERRY (TREND AREA)				Surface Legal Location 2028 FNL 1811 FEL SEC 17 BLK 10 UNIVERSITY LANDS SURVEY		
Spud Date 9/18/2021		TD Date 10/26/2021		Drilling Rig Release Date 10/28/2021		On Production Date 1/17/2022
Initial Potential Date 2/13/2022						
Ground Elevation (ft) 2,572.00	Original KB Elevation (ft) 2,597.00	PBDT (All) (ftKB)		Total Depth (All) (ftKB) ORIGINAL - 17,185.0		Total Depth All (TVD) (ftKB) ORIGINAL - 7,369.6
Report #: <Report Number?> Daily Operation: <Report Start Date?> - <Report End Date?>						
Job Category				Primary Job Type		AFE Number
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
Operations Summary						
Remarks						
Time Log Summary						
Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
Report #: 1 Daily Operation: 9/18/2021 14:00 - 9/19/2021 06:00						
Job Category ORIG DRILLING				Primary Job Type ODR		AFE Number 9015942
Days From Spud (days) 0	Days on Location (days) 1	End Depth (ftKB) 923.0	End Depth (TVD) (ftKB) 922.5	Dens Last Mud (lb/gal)	Rig PINNERGY, 4	
Operations Summary						
R/D , Skid to the E5H, R/U on the E 5H , Pre spud rig inspection, P/U BHA, Tag @ 107', Drill T/905', Circulate hole clean, L/D D/P, Run 13 3/8" surface casing,						
Remarks						
Time Log Summary						
Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/18/2021 14:00	9/18/2021 15:00	1	RIG	SKID BETWEEN WELLS	SKID	Skid over to University 10-17E 5H, spot unit over the hole. (Well#2 out of 3).
9/18/2021 15:00	9/18/2021 17:00	2	RIG	RIG UP	RU MIRU	Spot dog house, pipe loader, pipe racks and rig up. Fill and top off oils.
9/18/2021 17:00	9/18/2021 18:00	1	RIG	RIG INSPECTION	RIG_INS P	Pre spud inspection, function test and complete drops inspection.
9/18/2021 18:00	9/18/2021 18:30	0.5	BHA	DIRECTIONAL PU	PU_DIR	Pick up and make up Drill Point bit SER#S00457 with Meteorite mud motor Ser# DR77039 and Scribe with Meteorite DD and MWD. Install Meteorite MWD tool with Meteorite MWD, tag @ 107'.
9/18/2021 18:30	9/19/2021 02:30	8	DRILL	DRILLING	DRL	Drill from 107' to 905'
9/19/2021 02:30	9/19/2021 03:00	0.5	NON_DRILL	CIRCULATE	CIRC	Circulate poly sweep
9/19/2021 03:00	9/19/2021 04:00	1	DRILL PIPE	LAY DOWN DRILL PIPE	L/D DP	Trip out the hole to run 13 3/8 casing
9/19/2021 04:00	9/19/2021 04:30	0.5	BHA	LAY DOWN BHA	L/D BHA	Lay out Bha.
9/19/2021 04:30	9/19/2021 05:00	0.5	CASING	RIG UP CASING	RU_CSG	Clear floor and lay out roughneck to run casing
9/19/2021 05:00	9/19/2021 05:30	0.5	SAFETY	PLANNED SAFETY EVENT	SFTY	Hold safety meeting with Smith Casing and Pioneer.
9/19/2021 05:30	9/19/2021 06:00	0.5	CASING	RUN CSG W/O ROTATION	CSG_W/O ROTATIO N	Run 13 3/8 casing.
Report #: 2 Daily Operation: 9/19/2021 06:00 - 9/19/2021 09:30						
Job Category ORIG DRILLING				Primary Job Type ODR		AFE Number 9015942
Days From Spud (days) 1	Days on Location (days) 1	End Depth (ftKB) 923.0	End Depth (TVD) (ftKB) 922.5	Dens Last Mud (lb/gal)	Rig PINNERGY, 4	
Operations Summary						
Run 13 3/8" surface casing, Cement surface casing, R/D, Release Rig to the F 6H.(well 3 of 3)						
Remarks						

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Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/19/2021 06:00	9/19/2021 07:00	1	CASING	RUN CSG W/O ROTATION	CSG_W/O ROTATION	Continue to run a total of 22 joints of 13 3/8 J-55 casing to 885', set float equipment @ 843'
9/19/2021 07:00	9/19/2021 07:30	0.5	SAFETY	PLANNED SAFETY EVENT	SFTY	Hold safety meeting with Permian 5 and Pioneer
9/19/2021 07:30	9/19/2021 08:30	1	CEMENT	CEMENTING	CMT	Cement with Permian 5, LEAD- Total sks: 650, TAIL- Total sks: 300 and displace with 130 bbls of fresh water. Bump Plug @ 0900. Circulated 110 bbls of cement to surface
9/19/2021 08:30	9/19/2021 09:00	0.5	CEMENT	RIG DOWN CEMENT	RD_CMT	Rig down Permian 5, lay out landing joint with cactus
9/19/2021 09:00	9/19/2021 09:30	0.5	RIG	RIG DOWN	RD_RDMO	Rig Down& release rig to the F 6H(well 3 of 3)

Report #: 3 Daily Operation: 10/18/2021 17:00 - 10/19/2021 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 9015942
Days From Spud (days) 30	Days on Location (days) 1	End Depth (ftKB) 1,936.0	End Depth (TVD) (ftKB) 1,922.8	Dens Last Mud (lb/gal) 9.90	Rig ENSIGN, 133	

Operations Summary

Walk Rig F/University 10-17F 6H, NU BOP, Shell Test BOP, IWB, PU BHA, TIH, Drill Out Shoe Track, Drill 10' New Formation T/933', Circ, Perform FIT to 12.6 ppg EMW, Drill 12 1/4" Intermediate T/1,936', (19.05% Sliding, 10.72° Tangent, 4' Ahead & 12' Right of Plan 2 Line)

Remarks

Surface - 100%
Intermediate - 17%
Production Curve - 0%
Production Lateral - 0%

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/18/2021 17:00	10/18/2021 17:15	0.25	SAFETY	PLANNED SAFETY EVENT	SFTY	PJSM W/Ensign, Trifecta, Cactus & PNR over walking rig, discussed order of operation, potential hazards and assigned roles and responsibilities.
10/18/2021 17:15	10/18/2021 17:45	0.5	RIG	SKID BETWEEN WELLS	SKID	Walked rig F/University 10-17F 6H and centered over well. TA cap removed offline
10/18/2021 17:45	10/18/2021 18:00	0.25	BOPE	NIPPLE UP BOPE	NU_BOPE	Set Stack and NU QDC on wellhead. NU Mud line
10/18/2021 18:00	10/18/2021 18:30	0.5	BOPE	TEST BOPE CONNECTION	CONC_BOPE	Shell test BOP connection to 250 psi low & 5000 psi high, 5 mins each test, Test Mudlines back to pumps 250 low & 5,500 psi high, 5 mins each test.
10/18/2021 18:30	10/18/2021 19:15	0.75	NON_DRILL	WEARBUSHING	WRBSH	Remove Test Plug and install Wear Bushing
10/18/2021 19:15	10/18/2021 19:30	0.25	SAFETY	PLANNED SAFETY EVENT	SFTY	PJSM W/Ensign, Gordon and PNR over PU BHA. Discussed order of operation, potential hazards and assigned roles and responsibilities
10/18/2021 19:30	10/18/2021 20:30	1	BHA	DIRECTIONAL PU	PU_DIR	PU Dir Assy as directed by Phoenix
10/18/2021 20:30	10/18/2021 22:15	1.75	BHA	BHA HANDLING	HDL_BHA	TIH W/8" DC's, 5 stds hwdp, taking displacement overboard.
10/18/2021 22:15	10/18/2021 23:00	0.75	DRILL	DRILL OUT	DRL_OUT	Tag cement @ 859', drill cement, float, shoe track & shoe @ 903' & cement void to 923' Displace to Brine while drilling out.
10/18/2021 23:00	10/18/2021 23:30	0.5	DRILL	DRILLING	DRL	Rot Drill F/923' - 933' New Formation
10/18/2021 23:30	10/19/2021 00:15	0.75	NON_DRILL	CIRCULATE	CIRC	Circ BU X2 to ensure even MW for FIT MW in 9.9, MW out 9.9

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Well Name: UNIVERSITY 10-17E 5H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/19/2021 00:15	10/19/2021 00:45	0.5	TEST	FORMATION INTEGRITY	FIT	Perform FIT to 12.6 EMW TVD of shoe = 902.5 ((12.5 - 9.9) x 0.052) x 902.5 = 122 Target PSI PSI achieved = 128 Fill gas buster W/Brine
10/19/2021 00:45	10/19/2021 05:30	4.75	DRILL	DRILLING	DRL	Drill 12 1/4" Intermediate F/933' - 1,936', 1,003' @ 211 ft/hr), With no issues, Full retruns
10/19/2021 05:30	10/19/2021 06:00	0.5	RIG	RIG SERVICE PLANNED	RIG_SVC	Servcie Rig & TDS, Change Inline Screen

Report #: 4 Daily Operation: 10/19/2021 06:00 - 10/20/2021 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 9015942
Days From Spud (days) 31	Days on Location (days) 2	End Depth (ftKB) 6,201.0	End Depth (TVD) (ftKB) 6,146.7	Dens Last Mud (lb/gal) 9.30	Rig ENSIGN, 133	

Operations Summary

Drill 12 1/4" Intermediate T/6201', (19.54% Sliding, 10.72° Tangent, Dropped Out, 24' Behind & 18' Right of Plan 2 Line)

Remarks

Surface - 100%
Intermediate - 91%
Production Curve - 0%
Production Lateral - 0%

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/19/2021 06:00	10/19/2021 16:30	10.5	DRILL	DRILLING	DRL	Drill 12 1/4" Intermediate F/1,936' - 4,024', (2088' @ 198.85 ft/hr), With no issues, Full returns Displaced from Brine to Gel Mud @ 3,000'
10/19/2021 16:30	10/19/2021 17:00	0.5	RIG	RIG SERVICE PLANNED	RIG_SVC	Service Rig equipment and C/O inline screen
10/19/2021 17:00	10/19/2021 18:30	1.5	DRILL	DRILLING	DRL	Drill 12 1/4" Intermediate F/4,024' - 4,478', (454' @ 302.6 ft/hr), With no issues, Full returns
10/19/2021 18:30	10/19/2021 19:00	0.5	NON_DRILL	CIRCULATE	CIRC	CBU Prior to entering Clearfork
10/19/2021 19:00	10/19/2021 22:30	3.5	DRILL	DRILLING	DRL	Drill 12 1/4" Intermediate F/4,478' - 5,476', (988' @ 282.28 ft/hr), With no issues, Full returns
10/19/2021 22:30	10/19/2021 23:15	0.75	NON_DRILL	CIRCULATE	CIRC	CBU Prior to entering Spraberry
10/19/2021 23:15	10/20/2021 05:30	6.25	DRILL	DRILLING	DRL	Drill 12 1/4" Intermediate F/5,476' - 6,201', (725' @ 116 ft/hr), With no issues, Full returns
10/20/2021 05:30	10/20/2021 06:00	0.5	RIG	RIG SERVICE PLANNED	RIG_SVC	Service Rig & TDS

Report #: 5 Daily Operation: 10/20/2021 06:00 - 10/21/2021 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 9015942
Days From Spud (days) 32	Days on Location (days) 3	End Depth (ftKB) 6,743.0	End Depth (TVD) (ftKB) 6,688.7	Dens Last Mud (lb/gal) 9.60	Rig ENSIGN, 133	

Operations Summary

Drill 12 1/4" Intermediate T/6,654', Trouble Shoot & TOO H F/PSI Loss, Lay Down Washed Out DC's, TIH/W/HWDP, Slip & Cut, TIH, Cont. Drill 12 1/4 Intermediate T/6,743', (ICP), (0.0% Sliding, 10.72° Tangent, Dropped Out, 23' Behind & 24' Right of Plan 2 Line), Circulate Caliper Sweep, Flow Check, TOO H T/5,872'

Remarks

Surface - 100%
Intermediate - 100%
Production Curve - 0%
Production Lateral - 0%

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/20/2021 06:00	10/20/2021 11:45	5.75	DRILL	DRILLING	DRL	Drill 12 1/4" Intermediate F/6,201' - 6654', (453' @ 78 ft/hr). With no issues, Full returns Note: After working on MP and bring it back online, OBSPP was 300 psi lower. Checked all surface equipment and cleaned suction/inline screens. Drilled last half of remaining stand and had additional loss of 180 psi in OBSPP. TOO H for wash.

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Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/20/2021 11:45	10/20/2021 12:00	0.25	TEST	FLOW CHECK	FLOW_C HK	Flow check, well static.
10/20/2021 12:00	10/20/2021 14:45	2.75	TRIP	TOOH - ELEVATOR	TOOH_E LEV	TOOH (Wet) F/6,654' - 4,256', Looking for washout, no overpull but hole not taking proper fill.
10/20/2021 14:45	10/20/2021 15:15	0.5	NON_DRILL	CIRCULATE	CIRC	Spotted 60 bbl of 3 ppg over mud cap to give hole a 9.8 ppg MWE. Hole static.
10/20/2021 15:15	10/20/2021 17:30	2.25	TRIP	TOOH - ELEVATOR	TOOH_E LEV	TOOH (Wet) F/ 4,256' - 1,117', Looking for washout, hole taking proper fill from trip tanks.
10/20/2021 17:30	10/20/2021 18:00	0.5	NON_DRILL	ROTATING HEAD HANDLING	HDL_RO THD	Pull rot head, install trip nipple.
10/20/2021 18:00	10/20/2021 18:30	0.5	TRIP	TOOH - ELEVATOR	TOOH_E LEV	TOOH (Wet) W/HWDP F/1,027' - 478', Looking for washout, hole taking proper fill from trip tanks.
10/20/2021 18:30	10/20/2021 19:00	0.5	BHA	BHA HANDLING	HDL_BH A	TOOH W/8" DC's 478' - 420', Found washed connection between bottom of 11th DC & Top of 10th DC. LD 2 8" DC's
10/20/2021 19:00	10/20/2021 20:00	1	TRIP	TIH - ELEVATOR	TIH_ELE V	TIH W/HWDP F/420' - 968', With no issues, hole giving proper closed end displacement to trip tanks.
10/20/2021 20:00	10/20/2021 20:30	0.5	RIG	RIG SERVICE PLANNED	RIG_SVC	Service Rig & TDS, Test Torque on top drive, ST-3080 & Rig Tongs, All good
10/20/2021 20:30	10/20/2021 20:45	0.25	SAFETY	PLANNED SAFETY EVENT	SFTY	PJSM W/Ensign over Slip & Cut Drlg. Line, discussed order of operation, potential hazards and assigned roles and responsibilities.
10/20/2021 20:45	10/20/2021 21:30	0.75	DRILL	SLIP & CUT	SLIP_CU T	Slip & Cut Drlg. Line
10/20/2021 21:30	10/20/2021 22:00	0.5	NON_DRILL	ROTATING HEAD HANDLING	HDL_RO THD	Remove Trip Nipple & Install Rotating Head
10/20/2021 22:00	10/20/2021 23:00	1	TRIP	TIH - ELEVATOR	TIH_ELE V	TIH F/1,061' - 3,785', With no issues, hole giving proper closed end displacement to trip tanks.
10/20/2021 23:00	10/20/2021 23:45	0.75	NON_DRILL	CIRCULATE	CIRC	Fill Pipe & Take Surveys for Mag Variation due to pulling MWD inside casing on TOOH
10/20/2021 23:45	10/21/2021 00:15	0.5	TRIP	TIH - ELEVATOR	TIH_ELE V	TIH F/3,785' - 4,691', With no issues, hole giving proper closed end displacement to trip tanks.
10/21/2021 00:15	10/21/2021 00:45	0.5	NON_DRILL	CIRCULATE	CIRC	CBU to Circ out Mud Cap
10/21/2021 00:45	10/21/2021 01:45	1	TRIP	TIH - ELEVATOR	TIH_ELE V	TIH F/4,691' - 6,415', With no issues, hole giving proper closed end displacement to trip tanks.
10/21/2021 01:45	10/21/2021 02:30	0.75	TRIP	TIH - NON-ELEVATOR	TIH_NON ELEV	Wash F/6,415' - 6654', With no issues, Full Returns
10/21/2021 02:30	10/21/2021 03:30	1	DRILL	DRILLING	DRL	Drill 12 1/4" Intermediate F/6,654' - 6,743', (ICP), (89' @ 89 ft/hr). With no issues, Full returns. Tubulars counted prior to section TD, Pason tally is correct. Dusted up system to 9.8
10/21/2021 03:30	10/21/2021 05:15	1.75	NON_DRILL	CIRCULATE	CIRC	Circulate 2 X Caliper Sweeps, With Full returns STS Strokes 11,022 In Gauge OH Annulus = 8,288 Strokes Sweep Back @ 12,700 Strokes Calculated Washout 20%
10/21/2021 05:15	10/21/2021 05:30	0.25	TEST	FLOW CHECK	FLOW_C HK	Flow Check to trip tanks, Well Static
10/21/2021 05:30	10/21/2021 06:00	0.5	TRIP	TOOH - ELEVATOR	TOOH_E LEV	TOOH (Wet) F/6,743' - 5,872', With no issues, hole taking proper fill from trip tanks.

Report #: 6 Daily Operation: 10/21/2021 06:00 - 10/22/2021 06:00

Job Category ORIG DRILLING	Primary Job Type ODR	AFE Number 9015942
Days From Spud (days) 33	Days on Location (days) 4	End Depth (ftKB) 6,743.0
	End Depth (TVD) (ftKB) 6,688.7	Dens Last Mud (lb/gal) 9.80
		Rig ENSIGN, 133

Operations Summary

TOOH, LD BHA, PWB, RU & Run & Land 9 5/8" Int Casing, Circ. Csg. Cap, Cement 1st Stage, Drop Opening Cone

Remarks

Surface - 100%
Intermediate - 100%
Production Curve - 0%
Production Lateral - 0%

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 10-17E 5H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/21/2021 06:00	10/21/2021 08:15	2.25	TRIP	TOOH - ELEVATOR	TOOH_ELEV	TOOH F/5,872' - 1,050', With no issues, hole taking proper fill from trip tanks.
10/21/2021 08:15	10/21/2021 08:30	0.25	NON_DRILL	ROTATING HEAD HANDLING	HDL_ROT	Pull Rotating Head
10/21/2021 08:30	10/21/2021 09:15	0.75	BHA	BHA HANDLING	HDL_BHA	Rack back HWDP, jars, LD 1 DC to make even stds, rack back 3 stds 8" DCs.
10/21/2021 09:15	10/21/2021 09:30	0.25	SAFETY	PLANNED SAFETY EVENT	SFTY	PJSM W/Ensign, Gordon and PNR on LD Directional tools, Discussed order of operation, potential hazards and assigned roles and responsibilities.
10/21/2021 09:30	10/21/2021 10:30	1	BHA	DIRECTIONAL LD	LD_DIR	LD MWD, Mud Motor, Thruster & UBHO, Rack back Monels.
10/21/2021 10:30	10/21/2021 11:00	0.5	NON_DRILL	WEARBUSHING	WRBSH	Pull WB, Install Trip Nipple.
10/21/2021 11:00	10/21/2021 11:15	0.25	SAFETY	PLANNED SAFETY EVENT	SFTY	Clean Rig Floor & Remove Trip Hazards
10/21/2021 11:15	10/21/2021 11:45	0.5	RIG	RIG SERVICE PLANNED	RIG_SVC	Service Rig & TDS
10/21/2021 11:45	10/21/2021 12:00	0.25	SAFETY	PLANNED SAFETY EVENT	SFTY	PJSM W/Ensign, Frank's, Weatherford, Tenaris and PNR on LRU Casing tools and running casing, Discussed order of operation, potential hazards and assigned roles and responsibilities.
10/21/2021 12:00	10/21/2021 13:00	1	CASING	RIG UP CASING	RU_CSG	RU Casing Tools, Test ESD on Tong Unit
10/21/2021 13:00	10/21/2021 13:30	0.5	CASING	M/U SHOE TRACK	MU_SHOE_TRK	MU shoe track and pump through floats, Thread locked all connections through to of float collar
10/21/2021 13:30	10/21/2021 17:30	4	CASING	RUN CSG W/O ROTATION	CSG_W/O ROTATION	Run 9 5/8" Int 1 csg F/130' - 3,736', @ 100 fpm, Filling on the fly and breaking circulation every 40 jts. Hole giving proper closed end displacement to trip tanks to 2,058' Note: @ 2,058' displacement began to diminish and by 2,327' had no displacement, slowed run speed to 80 fpm, backside staying full but taking displacement of casing. Avg MU Tq to base of triangle 9,000 ft/lbs
10/21/2021 17:30	10/21/2021 18:00	0.5	NON_DRILL	CIRCULATE	CIRC	Fill Pipe & attempt to break circulation prior to PU DV Tool/Packer Assy. No Returns Est losses 104 bbl.
10/21/2021 18:00	10/21/2021 22:15	4.25	CASING	RUN CSG W/ROTATION	CSG_W/ROTATION	Run 9 5/8" Int 1 csg F/3,676' - 6,707', @ 60 fpm, Filling on the fly and breaking circulation every 40 jts. Note: Slowed run speed to 60 fpm once packer below rotary, with trip tank on backside hole taking displacement + 2 bbl per jt run. Slowed to 40 fpm @ 4,723', After filling @ 5,516', hole taking displacement + 1.2 bbl/jt. Tag Bottom @ W/Casing, (Run Ready) to confirm. Per tally should have tagged 36' in, tagged 49' in, 2 LD Joints and PU 10' Marker, Hanger & Landing Jt and land casing in wellhead with 172k on hanger. Avg MU Tq to base of triangle 9,000 ft/lbs Est Losses while running casing = 532 bbl
10/21/2021 22:15	10/22/2021 00:15	2	NON_DRILL	CIRCULATE	CIRC	Circ casing volume (510 bbl) thru CRT, Beginning @ 3 bbl/min, staging up to 6 bbl min, hole taking everything we pump. Note: Trip tank on backside, no gains or losses in trip tank. RD Casing tools while circ casing volume. Held PJSM W/Ensign, SLB, Weatherford, Frank's & PNR over RD CRT & RU Cement Iron and Pumping cement job while circulating. Est losses while circ 510 bbl.

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Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/22/2021 00:15	10/22/2021 00:45	0.5	CEMENT	RIG UP CEMENT	RU_CMT	RD CRT & RU Cement head and lines on Casing stump
10/22/2021 00:45	10/22/2021 06:00	5.25	CEMENT	CEMENTING	CMT	<p>Flush 20 bbl to pit & Test lines to 5000 psi, Cement 9 5/8" Intermediate casing per SLB. Performed Stage 1 as follows: 50 bbls of 11.0 ppg MPE, 654 bbl 11.0 ppg lead, 62 bbl 14.8 ppg tail. Drop plug and displaced W/300 bbl H2O followed by 204 bbls of 9.3 gel mud. With trip tank on backside gained 0 bbl while pumping cement (No Returns). approx 50 bbl into displacement began to get returns ~ 10%, Final Lift, Bump and Packer details to follow on next report.</p> <p>Waiting on DV Tool opening cone to fall @ Time of report.</p> <p>Est 1,200 bbl lost while cementing first stage</p>

Report #: 7 Daily Operation: 10/22/2021 06:00 - 10/23/2021 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 9015942
Days From Spud (days) 34	Days on Location (days) 5	End Depth (ftKB) 7,362.0	End Depth (TVD) (ftKB) 7,239.2	Dens Last Mud (lb/gal) 9.70	Rig ENSIGN, 133	

Operations Summary

Open DV Tool, CBU Above DV Tool, Cement 2nd Stage, Install & Test Packoff, IWB, PU BHA, TIH, Test Csg, Drill Out DV Tool, TIH, Test Casing, Drill Out Shoe Track and 17' New Formation, CBU, FIT T/11.5 EMW, Drill 8 3/4" Prod Curve T/7,362' (72.97% Sliding, Inc 35.5°, Azi 355.0°, BRN 9.12°, MY 12.0°, 11' Behind & 16' Right of Plan 2 Line)

Remarks

Surface - 100%
Intermediate - 100%
Production Curve - 59%
Production Lateral - 0%

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/22/2021 06:00	10/22/2021 06:30	0.5	CEMENT	CEMENTING	CMT	<p>Drop opening bomb, wait 30 min to fall, pressure up and shift tool.</p> <p>Notes from 1st Stage missing on previous report: Approx 50 bbl into displacement began to get returns ~ 10%, for a total of 36 bbl mud returned throughout 1st Stage Cement. Final lift 960 psi, Bumped plug @ 05:30 10/22/21 to 505 psi over to 1,465 psi. Held 5 mins then pressured up in 200 psi increments @ 1 bbl/min to 2,300 psi where packer opened, packer set @ 2,500 psi Pressured up to 2,985 and held, bled back to 1,450 psi (1.25 bbl in/1 bbl out) Packer took .25 bbl to inflate. Bled 3.5 bbls back. Floats held.</p>
10/22/2021 06:30	10/22/2021 07:15	0.75	NON_DRILL	CIRCULATE	CIRC	Swap to rig pump and circulate btms up from DV tool. Worked rate to 8 bpm w/ full returns, got 10 bbl spacer back above DV.
10/22/2021 07:15	10/22/2021 09:45	2.5	CEMENT	CEMENTING	CMT	Test lines to 2500 psi, Performed Stage 2: 50 bbls of 10.9 ppg spacer, 236 bbl 11.0 ppg lead, 56 bbl 14.8 ppg tail. Drop plug and displaced W/ 226 bbl FW, full returns, 130 bbls cmt back to surface. Bumped plug F/700 - 2300 psi to close DV. Held 5 min, bled back 2.5 bbl, DV tool confirmed closed.
10/22/2021 09:45	10/22/2021 10:15	0.5	CEMENT	RIG DOWN CEMENT	RD_CMT	RD Cement head & iron. Flush stack and choke.
10/22/2021 10:15	10/22/2021 11:00	0.75	NON_DRILL	WELLHEAD	WH	LD landing jt, install packoff per Cactus. Test to 5000 psi, lock in, pull 40k over, test again, rupture disc.
10/22/2021 11:00	10/22/2021 11:30	0.5	NON_DRILL	WEARBUSHING	WRBSH	Install wear bushing.
10/22/2021 11:30	10/22/2021 12:00	0.5	RIG	RIG SERVICE PLANNED	RIG_SVC	Grease top drive, have welder replace broken floor door plate.
10/22/2021 12:00	10/22/2021 12:15	0.25	SAFETY	PLANNED SAFETY EVENT	SFTY	PJSM W/Ensign, Gordon and PNR on PU Directional tools, Discussed order of operation, potential hazards and assigned roles and responsibilities.
10/22/2021 12:15	10/22/2021 13:00	0.75	BHA	DIRECTIONAL PU	PU_DIR	PU Curve Assy as directed by Phoenix.
10/22/2021 13:00	10/22/2021 14:30	1.5	TRIP	TIH - ELEVATOR	TIH_ELEV	<p>TIH F/98' - 2,955', Taking displacement overboard.</p> <p>Tag Cement @ 2,955'</p>

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 10-17E 5H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/22/2021 14:30	10/22/2021 15:00	0.5	TEST	CSG TEST	CSG_TEST	Fill pipe, flush through choke, space out & perform csg test 2500 psi for 10 min.
10/22/2021 15:00	10/22/2021 15:45	0.75	DRILL	DRILL OUT	DRL_OUT	Drill out Cement & DV tool, 15 wob, 400 gpm, 25 rotary, wipe through x2.
10/22/2021 15:45	10/22/2021 17:15	1.5	TRIP	TIH - ELEVATOR	TIH_ELEV	TIH F/2,981' - 6,537', Taking displacement overboard.
10/22/2021 17:15	10/22/2021 18:15	1	TEST	CSG TEST	CSG_TEST	Fill pipe, space out & perform csg test 2500 psi for 30 min.
10/22/2021 18:15	10/22/2021 19:30	1.25	DRILL	DRILL OUT	DRL_OUT	Tag Cement @ 6,546', Drill out Shoe Track, displace to 9.7 ppg OBM while drilling out.
10/22/2021 19:30	10/22/2021 20:00	0.5	DRILL	DRILLING	DRL	Drill 17' New Formation F/6,743' - 6,760', With no issues, Full returns.
10/22/2021 20:00	10/22/2021 20:30	0.5	NON_DRILL	CIRCULATE	CIRC	Circulate BU to ensure even MW for FIT MW In 9.7, MW Out 9.7
10/22/2021 20:30	10/22/2021 21:15	0.75	TEST	FORMATION INTEGRITY	FIT	Perform FIT to 11.5 ppg with 9.7 ppg to 626 psi ((11.5 - 9.7) x 0.052) x 6,682 TVD = 625 Target Pressure Pressure Achieved = 626 Fill Gas Buster W/9.7 PPG OBM
10/22/2021 21:15	10/22/2021 22:30	1.25	DRILL	DRILLING	DRL	Drill 8 3/4" Prod Vertical F/6,760' - 6,829', (69' @ 55.2 ft/hr), With no issues, Full returns
10/22/2021 22:30	10/23/2021 06:00	7.5	DRILL	DRILLING	DRL	Drill 8 3/4" Prod Curve F/6,829' - 7,362', (533' @ 71.06 ft/hr), With no issues, Full returns

Report #: 8 Daily Operation: 10/23/2021 06:00 - 10/24/2021 06:00

Job Category ORIG DRILLING	Primary Job Type ODR	AFE Number 9015942
Days From Spud (days) 35	Days on Location (days) 6	End Depth (ftKB) 7,995.0
End Depth (TVD) (ftKB) 7,347.4	Dens Last Mud (lb/gal) 9.60	Rig ENSIGN, 133

Operations Summary
Drill & Land 8 3/4" Prod Curve @ 7,680', Cont. Drill Prod Lateral T/7,818', (79.31% Sliding, Curve Landed, 1' Above & 9' Right of Plan 2 Line) CBU, Flow Check, TOOH T/6,829', Ream thru Curve to Bottom, CBU, Flow Check, TOOH, LD Curve BHA, PU RSS Lateral BHA, TIH, Downlink RSS, Wash F/7,770 - 7,818', Drill 8 1/2" Prod Lateral T/7,995', (0% Sliding RSS, 2.12° Avg Lateral DLS, 2' Above and 9' Right of Plan 2 Target 1 Line)

Remarks
Surface - 100%
Intermediate - 100%
Production Curve - 100%
Production Lateral - 0.03%

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/23/2021 06:00	10/23/2021 11:30	5.5	DRILL	DRILLING	DRL	Drill 8 3/4" Prod Curve F/7,362' - 7,680' (318' @ 58 ft/hr), With no issues, Full returns.
10/23/2021 11:30	10/23/2021 13:15	1.75	DRILL	DRILLING	DRL	Drill lateral F/7,680' - 7,818', With no issues, Full returns. Took survey on bttm and confirmed lined up for RSS.
10/23/2021 13:15	10/23/2021 13:30	0.25	NON_DRILL	CIRCULATE	CIRC	Circulate while prepping for short trip.
10/23/2021 13:30	10/23/2021 13:45	0.25	TEST	FLOW CHECK	FLOW_CHK	Flow check, well static.
10/23/2021 13:45	10/23/2021 14:30	0.75	TRIP	TOOH - ELEVATOR	TOOH_ELEV	TOOH (Wet) F/7,818' - 6,829' (KOP), With no issues, hole taking proper fill from trip tanks.
10/23/2021 14:30	10/23/2021 17:00	2.5	TRIP	TIH - NON-ELEVATOR	TIH_NON_ELEV	Ream Curve F/6,829' - 7,818', With no issues @ 600 gpm, 30 rpm, 500 ft/hr., Full returns.
10/23/2021 17:00	10/23/2021 17:30	0.5	RIG	RIG SERVICE PLANNED	RIG_SVC	Rig Service.
10/23/2021 17:30	10/23/2021 17:45	0.25	NON_DRILL	CIRCULATE	CIRC	Finish CBU
10/23/2021 17:45	10/23/2021 18:00	0.25	TEST	FLOW CHECK	FLOW_CHK	Flow check, well static
10/23/2021 18:00	10/23/2021 19:30	1.5	TRIP	TOOH - ELEVATOR	TOOH_ELEV	Pump slug & TOOH F/7,818' - 4,622', With no issues, hole taking proper fill from trip tanks RSS BHA.
10/23/2021 19:30	10/23/2021 19:45	0.25	NON_DRILL	ROTATING HEAD HANDLING	HDL_ROT_THD	Pull Rotating Head & Install Trip Nipple

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 10-17E 5H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/23/2021 19:45	10/23/2021 20:45	1	TRIP	TOOH - ELEVATOR	TOOH_ELEV	TOOH F/4,532' - BHA, With no issues, hole taking proper fill from trip tanks.
10/23/2021 20:45	10/23/2021 21:00	0.25	SAFETY	PLANNED SAFETY EVENT	SFTY	Clean and organize Rig Floor to LD BHA
10/23/2021 21:00	10/23/2021 21:15	0.25	SAFETY	PLANNED SAFETY EVENT	SFTY	PJSM W/Ensign, Phoenix, Gordon & PNR over LD curve assy. Discussed order of operation, potential hazards and assigned roles and responsibilities.
10/23/2021 21:15	10/23/2021 22:00	0.75	BHA	DIRECTIONAL LD	LD_DIR	LD BHA as directed by Phoenix
10/23/2021 22:00	10/23/2021 22:15	0.25	SAFETY	PLANNED SAFETY EVENT	SFTY	PJSM W/Ensign, Phoenix, Gordon & PNR over PU RSS assy. Discussed order of operation, potential hazards and assigned roles and responsibilities.
10/23/2021 22:15	10/23/2021 23:15	1	BHA	DIRECTIONAL PU	PU_DIR	PU RSS BHA as directed by Phoenix
10/23/2021 23:15	10/23/2021 23:45	0.5	RIG	RIG SERVICE PLANNED	RIG_SVC	Service Rig & TDS, Change Inline Screen
10/23/2021 23:45	10/24/2021 02:00	2.25	TRIP	TIH - ELEVATOR	TIH_ELEV	TIH F/BHA - 6,518', With no issues, hole giving proper closed end displacement to trip tanks. Filling every 30 stands. Tested MWD on 1st fillup.
10/24/2021 02:00	10/24/2021 02:15	0.25	NON_DRILL	ROTATING HEAD HANDLING	HDL_ROTHD	Pull Trip Nipple & Install Rotating Head
10/24/2021 02:15	10/24/2021 03:15	1	TRIP	TIH - ELEVATOR	TIH_ELEV	TIH F/6,608' - 7,770', With no issues, hole giving proper closed end displacement to trip tanks.
10/24/2021 03:15	10/24/2021 04:15	1	NON_DRILL	CIRCULATE	CIRC	Fill Pipe, Downlink RSS to HIA
10/24/2021 04:15	10/24/2021 04:30	0.25	TRIP	TIH - NON-ELEVATOR	TIH_NON_ELEV	Wash F/7,770' - 7,818', With no issues, Full returns.
10/24/2021 04:30	10/24/2021 06:00	1.5	DRILL	DRILLING	DRL	Drill 8 1/2" Prod Lateral F/7,818' -7,995', (177' @ 118 fph), With no issues, Full returns

Report #: 9 Daily Operation: 10/24/2021 06:00 - 10/25/2021 06:00

Job Category ORIG DRILLING	Primary Job Type ODR	AFE Number 9015942
Days From Spud (days) 36	Days on Location (days) 7	End Depth (ftKB) 14,284.0
	End Depth (TVD) (ftKB) 7,365.1	Dens Last Mud (lb/gal) 9.80
	Rig ENSIGN, 133	

Operations Summary
Drill 8 1/2" Prod Lateral T/14,284', (0% Sliding RSS,0.62° Avg Lateral DLS, 5' Above and 32' Right of Plan 2, Target 2 Line)

Remarks
Surface - 100%
Intermediate - 100%
Production Curve - 100%
Production Lateral - 69%

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/24/2021 06:00	10/24/2021 12:45	6.75	DRILL	DRILLING	DRL	Drill Lateral F/7,995' - 9,842', (1,847' @ 273.63 ft/hr), With no issues, Full Returns
10/24/2021 12:45	10/24/2021 13:30	0.75	RIG	RIG SERVICE PLANNED	RIG_SVC	Change out gasket in standpipe on floor.
10/24/2021 13:30	10/24/2021 19:00	5.5	DRILL	DRILLING	DRL	Drill Lateral F/9,842' - 11476', (1,634' @ 297.09 ft/hr), With no issues, Full Returns
10/24/2021 19:00	10/24/2021 19:15	0.25	NPT	3RD PARTY REPAIR	3RD_PTY	Unstop & Flush Cuttings from Shaker Trough, Poly pipe suction line in reserve pit to rental trash pump feeding shaker trough floated and pump lost prime, causing trough to plug off.
10/24/2021 19:15	10/25/2021 05:30	10.25	DRILL	DRILLING	DRL	Drill Lateral F/11,476' - 14,284', (2,808' @ 273.95 ft/hr), With no issues, Full Returns
10/25/2021 05:30	10/25/2021 06:00	0.5	RIG	RIG SERVICE PLANNED	RIG_SVC	Service Rig & TDS, C/O Inline Screen

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 10-17E 5H

Report #: 10 Daily Operation: 10/25/2021 06:00 - 10/26/2021 06:00

Job Category ORIG DRILLING			Primary Job Type ODR		AFE Number 9015942
Days From Spud (days) 37	Days on Location (days) 8	End Depth (ftKB) 17,127.0	End Depth (TVD) (ftKB) 7,369.5	Dens Last Mud (lb/gal) 9.90	Rig ENSIGN, 133

Operations Summary
Drill 8 1/2" Prod Lateral T/16,985', Perform K&M On Bottom CUC T/17,127', (0% Sliding RSS, 0.88° Avg Lateral DLS, 3' Below and 3' Right of Plan 2, Target 4 Line)

Remarks
Surface - 100%
Intermediate - 100%
Production Curve - 100%
Production Lateral - 99%

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/25/2021 06:00	10/25/2021 07:45	1.75	DRILL	DRILLING	DRL	Drill Lateral F/14,284' - 14,466', (182' @ 104 ft/hr), Control Drilling for Directional Control, Full Returns
10/25/2021 07:45	10/25/2021 08:15	0.5	NON_DRILL	ROTATING HEAD HANDLING	HDL_RO THD	Change out leaking rot head.
10/25/2021 08:15	10/25/2021 17:00	8.75	DRILL	DRILLING	DRL	Drill Lateral F/14,466' - 16,095', (1,629' @ 186 ft/hr), With no issues, Full Returns
10/25/2021 17:00	10/25/2021 17:30	0.5	RIG	RIG SERVICE PLANNED	RIG_SVC	Rig service, jet flowline.
10/25/2021 17:30	10/25/2021 20:45	3.25	DRILL	DRILLING	DRL	Drill Lateral F/16,095' - 16,909', (814' @ 250 ft/hr), With no issues, Full Returns
10/25/2021 20:45	10/25/2021 21:15	0.5	RIG	RIG SERVICE PLANNED	RIG_SVC	Service Rig & TDS, Change Inline Screen
10/25/2021 21:15	10/25/2021 21:30	0.25	DRILL	DRILLING	DRL	Drill Lateral F/16,909' - 16,985', (76' @ 250 ft/hr), With no issues, Full Returns
10/25/2021 21:30	10/26/2021 06:00	8.5	DRILL	CONTROL DRILL W/ CLEAN UP CYCLE	DRL_K&M	Control Drill @ 17 FPH, 8 1/2" Prod lateral F/16,185' - 17,127', (142' @ 17 ft/hr), While performing on bottom clean up cycles.

Report #: 11 Daily Operation: 10/26/2021 06:00 - 10/27/2021 06:00

Job Category ORIG DRILLING			Primary Job Type ODR		AFE Number 9015942
Days From Spud (days) 38	Days on Location (days) 9	End Depth (ftKB) 17,185.0	End Depth (TVD) (ftKB) 7,369.6	Dens Last Mud (lb/gal) 9.90	Rig ENSIGN, 133

Operations Summary
Finish On Bottom CUC T/17,185' (TD), (0% Sliding RSS, 0.87° Avg Lateral DLS, 3' Below and 3' Right of Plan 2, Target 4 Line), TOO H, LD RSS, PWB, RU & Run 5 1/2" Prod Casing T/1,336', WOW, Rig Repair, Run 5 1/2" Prod Casing T/8,661'

Remarks
Surface - 100%
Intermediate - 100%
Production Curve - 100%
Production Lateral - 100%

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/26/2021 06:00	10/26/2021 08:45	2.75	DRILL	CONTROL DRILL W/ CLEAN UP CYCLE	DRL_K&M	Control Drill @ 20 FPH, 8 1/2" Prod lateral F/17,127' - 17,185' (TD), While performing on bottom clean up cycles. Shakers very clean @ TD Tubulars counted prior to section TD, Pason tally is correct.
10/26/2021 08:45	10/26/2021 09:00	0.25	TEST	FLOW CHECK	FLOW_C HK	Flow check, well static.
10/26/2021 09:00	10/26/2021 09:45	0.75	TRIP	TOOH - ELEVATOR	TOOH_E LEV	Pull 10 stds (Wet) F/17,185' - 16,367', With no issues, hole taking proper fill from trip tanks.
10/26/2021 09:45	10/26/2021 14:00	4.25	TRIP	TOOH - ELEVATOR	TOOH_E LEV	Pump Slug & TOOH F/16,367' - 6,769', With no issues, hole taking proper fill from trip tanks.
10/26/2021 14:00	10/26/2021 14:15	0.25	NON_DRILL	ROTATING HEAD HANDLING	HDL_RO THD	Pull rot head, install trip nipple.
10/26/2021 14:15	10/26/2021 16:45	2.5	TRIP	TOOH - ELEVATOR	TOOH_E LEV	TOOH F/6,677' - BHA, With no issues, hole taking proper fill from trip tanks.
10/26/2021 16:45	10/26/2021 17:00	0.25	SAFETY	PLANNED SAFETY EVENT	SFTY	PJSM W/Ensign, Phoenix, Gordon & PNR on LD Directional. Discussed order of operation, potential hazards and assigned roles and responsibilities
10/26/2021 17:00	10/26/2021 18:00	1	BHA	DIRECTIONAL LD	LD_DIR	LD Directional RSS BHA as directed by Phoenix

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 10-17E 5H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/26/2021 18:00	10/26/2021 18:15	0.25	SAFETY	PLANNED SAFETY EVENT	SFTY	Clean & Clear Rig Floor for Casing Run
10/26/2021 18:15	10/26/2021 18:45	0.5	NON_DRILL	WEARBUSHING	WRBSH	Drain Stack & Pull Wear Bushing
10/26/2021 18:45	10/26/2021 19:15	0.5	RIG	RIG SERVICE PLANNED	RIG_SVC	Service Rig & TDS
10/26/2021 19:15	10/26/2021 19:30	0.25	SAFETY	PLANNED SAFETY EVENT	SFTY	PJSM W/Ensign, Franks, Texas Torque Turn, & Maximum on RU and Run Casing. Discussed order of operation, potential hazards and assigned roles and responsibilities
10/26/2021 19:30	10/26/2021 20:45	1.25	CASING	RIG UP CASING	RU_CSG	RU Casing tools, CRT & Torque Turn
10/26/2021 20:45	10/26/2021 21:00	0.25	CASING	RUN CSG W/O ROTATION	CSG_W/O ROTATION	Perform Dump test on first joint, MU Wet Shoe Track & Pump through floats
10/26/2021 21:00	10/26/2021 22:30	1.5	CASING	RUN CSG W/O ROTATION	CSG_W/O ROTATION	Run 5 1/2" 20# VAHC P-110 Prod Casing F/45' - 1,336', With no issues, hole giving proper closed end displacement to trip tanks. Filling on the fly & breaking circulation every 40 joints Optimum MU Tq. 16,460 ft/lbs, monitored with torque turn.
10/26/2021 22:30	10/26/2021 23:00	0.5	NPT	WAIT ON WEATHER	WOW	Shut down due to weather, High Wind, Lightning, Rain & Hail.
10/26/2021 23:00	10/26/2021 23:30	0.5	NPT	RIG REPAIR NPT	RIG_RPR	Troubleshoot PDS Controls after storm.
10/26/2021 23:30	10/27/2021 06:00	6.5	CASING	RUN CSG W/O ROTATION	CSG_W/O ROTATION	Run 5 1/2" 20# VAHC P-110 Prod Casing F/1,336' - 8,661', With no issues, hole giving proper closed end displacement to trip tanks. Filling on the fly & breaking circulation every 40 joints Optimum MU Tq. 16,460 ft/lbs, monitored with torque turn.

Report #: 12 Daily Operation: 10/27/2021 06:00 - 10/28/2021 00:45

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 9015942
Days From Spud (days) 39	Days on Location (days) 10	End Depth (ftKB) 17,185.0	End Depth (TVD) (ftKB) 7,369.6	Dens Last Mud (lb/gal) 9.90	Rig ENSIGN, 133	

Operations Summary

Run & Land 5 1/2" Prod Casing @ 17,274', Circ Casing, Cement Casing, Install & Test Packoff, Install BPV, ND BOP, Install TA Cap, Release rig to University 10-17D 4H

Remarks

Surface - 100%
Intermediate - 100%
Production Curve - 100%
Production Lateral - 100%

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/27/2021 06:00	10/27/2021 08:30	2.5	CASING	RUN CSG W/O ROTATION	CSG_W/O ROTATION	Run 5 1/2" 20# VAHC P-110 Prod Casing F/8,661' - 10,782', With no issues, hole giving proper closed end displacement to trip tanks. Filling on the fly & breaking circulation every 40 joints Optimum MU Tq. 16,460 ft/lbs, monitored with torque turn.
10/27/2021 08:30	10/27/2021 08:45	0.25	NPT	3RD PARTY REPAIR	3RD_PT Y	Circulate while swap out torque turn sensor on csg tongs.
10/27/2021 08:45	10/27/2021 14:45	6	CASING	RUN CSG W/O ROTATION	CSG_W/O ROTATION	Run 5 1/2" 20# VAHC P-110 Prod Casing F/10,782' T/ 17,169', With no issues, hole giving proper closed end displacement to trip tanks. Filling on the fly & breaking circulation every 40 joints, Optimum MU Tq. 16,460 ft/lbs, monitored with torque turn. Land out per cactus.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 10-17E 5H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/27/2021 14:45	10/27/2021 15:15	0.5	CASING	RIG DOWN CASING	RD_CSG	RD csg tools.
10/27/2021 15:15	10/27/2021 15:30	0.25	CEMENT	RIG UP CEMENT	RU_CMT	RU cmt head.
10/27/2021 15:30	10/27/2021 16:45	1.25	NON_DRILL	CIRCULATE	CIRC	Circulate surface to surface, 8 bbl/min full returns.
10/27/2021 16:45	10/27/2021 17:15	0.5	CEMENT	RIG UP CEMENT	RU_CMT	Hold PJSM on prod cmt job, RU cmt lines.
10/27/2021 17:15	10/27/2021 21:00	3.75	CEMENT	CEMENTING	CMT	Perform prod cmt job: Flush lines to reserve, pressure test to 7,000 psi. Pump 50 bbl 11 ppg mud push, 203 bbls 11.5 ppg lead, and 516 bbls 12.5 ppg tail. Drop 1000 psi plug, pump 4 bbl retarded water, drop 3,000 psi top plug, chase w/ 36 bbls retarded water, followed by 345 bbls FW (381 total to bump). Observe 1st plug land @ 1853 psi, rupture @ 2758 psi, pump four more bbls and land top plug @ 3313 psi. Hold 5 min, bleed back 4.5 bbls, floats held.
10/27/2021 21:00	10/27/2021 21:30	0.5	TEST	FLOW CHECK	FLOW_C HK	Watch floats hold 30 min per prog.
10/27/2021 21:30	10/27/2021 22:30	1	CEMENT	RIG DOWN CEMENT	RD_CMT	Flush BOP & Lines, R/D cement equipment and L/D landing joint
10/27/2021 22:30	10/27/2021 23:30	1	NON_DRILL	WELLHEAD	WH	Install and test packoff with 5k and overpull with 40k over, Installed BPV
10/27/2021 23:30	10/28/2021 00:15	0.75	BOPE	NIPPLE DOWN N/D	ND_BOP E	N/D BOP'S & Lift Stack. Skid 10'.
10/28/2021 00:15	10/28/2021 00:45	0.5	NON_DRILL	WELLHEAD	WH	Install TA cap and test with Cactus to 5000 psi Released rig @ 0045 Hrs 10/28/2021 to University 10-17D 4H

Report #: 1 Daily Operation: 11/15/2021 06:00 - 11/16/2021 06:00

Job Category ORIG COMPLETION			Primary Job Type OCMS			AFE Number 9015578
Days From Spud (days) 58	Days on Location (days) 1	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig ALLIED WIRELINE INC, PRESTIM	

Operations Summary
NIPPLE UP CATUS . 7-1/16" B-SECTION, TEST SEALS ON B SECTION TO 10,000 PSI. TEST VOID TO 5000 PSI. NIPPLE UP INTERMEDIATE & SURFACE RISERS. TEST BOTH RISERS @ 4,000 PSI. GOOD TEST NO LEAKS. BACK FILL CELLARS WITH PEA GRAVEL. NU LOWER MASTER TESTED & NU PRESTIM FRAC STACK. SHELL TEST UPTO 10K PSI. GOOD TEST. MIRU PD TANKS, WORKING TANKS, MIRU WATER TRANSFER, MIRU OFFICE TRAILER, MIRU PUMP DOWN, CRANE, & WL.

Remarks
NO HSE

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
11/15/2021 06:00	11/15/2021 06:30	0.5	NONOPS	NON ACTIVE DUE TO SAFETY EVENT	SAFETY	AM SAFETY MEETING
11/15/2021 06:30	11/15/2021 09:30	3	SETUP	PRESTIM CELLAR/B-SECTION	PS_CELL_BSEC	NIPPLE UP CATUS . 7-1/16" B-SECTION, TEST SEALS ON B SECTION TO 10,000 PSI. TEST VOID TO 5000 PSI. NIPPLE UP INTERMEDIATE & SURFACE RISERS. TEST BOTH RISERS @ 4,000 PSI. GOOD TEST NO LEAKS. BACK FILL CELLARS WITH PEA GRAVEL.
11/15/2021 09:30	11/15/2021 13:30	4	SETUP	PRESTIM FRAC STACK	PS_FRAC_STACK	NU LOWER MASTER TESTED & NU PRESTIM FRAC STACK. SHELL TEST UPTO 10K PSI. GOOD TEST.
11/15/2021 13:30	11/15/2021 16:00	2.5	SETUP	PRESTIM PUMPDOWN	PS_PD_RURD	MIRU PUMP DOWN & WORKING FRAC TANKS. MIRU PUMP DOWN. MIRU WATER TRANSFER.
11/15/2021 16:00	11/15/2021 18:00	2	SETUP	PRESTIM WIRELINE	PS_RURD_WL	MIRU CRANE, WIRELINE.
11/15/2021 18:00	11/16/2021 06:00	12	NONOPS	PRESTIM WELL SHUT IN	PS_SHUT_IN	SDFN

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 10-17E 5H

Report #: 2 Daily Operation: 11/16/2021 06:00 - 11/17/2021 06:00

Job Category ORIG COMPLETION			Primary Job Type OCMS			AFE Number 9015578
Days From Spud (days) 59	Days on Location (days) 2	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig ALLIED WIRELINE INC, PRESTIM	

Operations Summary

MIRU FLOWBACK. PSI TEST FB & PD UPTO 9500 PSI. GOOD TEST.

RIH WITH GR/JB/CBL TO 7578'. CORRELATE TO GAMMA. NEW MARKER JOINTS DEPTHS 6482'-92' AND 6781-6802'. ETOC @ 3370'. WSI

WET SHOE OPENED @ 2501/1800 PSI. PUMPED 200 BBLS AHEAD 375 GALS FCS, 1000 GALS ACID. FLUSHED CASING VOL PLUS 50 BBLS. FINAL RATE 18BPM @ 5700 PSI. WSI

Remarks

NO HSE

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
11/16/2021 06:00	11/16/2021 06:30	0.5	NONOPS	NON ACTIVE DUE TO SAFETY EVENT	SAFETY	AM SAFETY MEETING
11/16/2021 06:30	11/16/2021 10:30	4	SETUP	PRESTIM WIRELINE	PS_RUR D_WL	WL RU
11/16/2021 10:30	11/16/2021 13:00	2.5	NONOPS	PRESTIM WELL SHUT IN	PS_SHU T_IN	
11/16/2021 13:00	11/16/2021 15:30	2.5	WIRELINE	PRESTIM JB & CBL	PS_WL_J B_CBL	RIH WITH GR/JB/CBL TO 7578'. CORRELATE TO GAMMA. NEW MARKER JOINTS DEPTHS 6482'-92' AND 6781-6802'. ETOC @ 3370'. WSI
11/16/2021 15:30	11/16/2021 16:30	1	PUMPDOWN	PRESTIM WET SHOE PUMP SWEEPS	PS_WET SHOE_S WEEP	WET SHOE OPENED @ 2501/1800 PSI. PUMPED 200 BBLS AHEAD 375 GALS FCS, 1000 GALS ACID. FLUSHED CASING VOL PLUS 50 BBLS. FINAL RATE 18BPM @ 5700 PSI. WSI
11/16/2021 16:30	11/16/2021 18:00	1.5	NONOPS	PRESTIM WELL SHUT IN	PS_SHU T_IN	
11/16/2021 18:00	11/17/2021 06:00	12	NONOPS	PRESTIM WELL SHUT IN	PS_SHU T_IN	SDFN

Report #: 3 Daily Operation: 11/17/2021 06:00 - 11/18/2021 06:00

Job Category ORIG COMPLETION			Primary Job Type OCMS			AFE Number 9015578
Days From Spud (days) 60	Days on Location (days) 3	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig ALLIED WIRELINE INC, PRESTIM	

Operations Summary

NU CROWN & SIDEWINDERS. PSI TEST UPTO 9600 PSI. GOOD SHELL TEST.

WAITING ON PAD OPS.

Remarks

NO HSE

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
11/17/2021 06:00	11/17/2021 06:30	0.5	NONOPS	NON ACTIVE DUE TO SAFETY EVENT	SAFETY	AM SAFETY MEETING
11/17/2021 06:30	11/17/2021 18:00	11.5	NONOPS	PRESTIM WELL SHUT IN	PS_SHU T_IN	
11/17/2021 18:00	11/18/2021 06:00	12	NONOPS	PRESTIM WELL SHUT IN	PS_SHU T_IN	SDFN

Report #: 4 Daily Operation: 11/18/2021 06:00 - 11/18/2021 17:00

Job Category ORIG COMPLETION			Primary Job Type OCMS			AFE Number 9015578
Days From Spud (days) 61	Days on Location (days) 3	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig ALLIED WIRELINE INC, PRESTIM	

Operations Summary

RIH WL - SET PLUG @ 17,125', TEST CASING UPTO 9500 PSI FOR 10 MIN. GOOD TEST., PERFORATED STAGE 1 TO DESIGN, PULLED CCL. ALL TOOLS ON SURFACE. WSI

RDMO PUMP DOWN, WIRE LINE, CRANE.

PRESTIM COMPLETE.

Remarks

NO HSE

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 10-17E 5H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
11/18/2021 06:00	11/18/2021 06:30	0.5	NONOPS	NON ACTIVE DUE TO SAFETY EVENT	SAFETY	AM SAFETY MEETING
11/18/2021 06:30	11/18/2021 11:00	4.5	WIRELINE	PRESTIM PLUG & PERF	PS_WL_PP	RIH WL - SET PLUG @ 17,125', TEST CASING UPTO 9500 PSI FOR 10 MIN. GOOD TEST., PERFORATED STAGE 1 TO DESIGN, PULLED CCL. ALL TOOLS ON SURFACE. WSI
11/18/2021 11:00	11/18/2021 12:30	1.5	NONOPS	PRESTIM WELL SHUT IN	PS_SHUT_IN	WAITING ON PAD OPS.
11/18/2021 12:30	11/18/2021 13:30	1	SETUP	PRESTIM PUMPDOWN	PS_PD_RURD	RDMO
11/18/2021 13:30	11/18/2021 16:30	3	SETUP	PRESTIM WIRELINE	PS_RURD_WL	RDMO
11/18/2021 16:30	11/18/2021 17:00	0.5	NONOPS	PRESTIM WELL SHUT IN	PS_SHUT_IN	WSI - PRESTIM COMPLETE.

Report #: 5 Daily Operation: 12/3/2021 09:00 - 12/4/2021 06:00

Job Category ORIG COMPLETION			Primary Job Type OCMS			AFE Number 9015578
Days From Spud (days) 76	Days on Location (days) 4	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig PPS, BRONZE	

Operations Summary
MIRU ALL FRAC VENDORS

Remarks
NO HSE

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/3/2021 09:00	12/4/2021 06:00	21	SETUP	RIG UP OR RIG DOWN	RURD	MIRU ALL FRAC VENDORS

Report #: 6 Daily Operation: 12/4/2021 06:00 - 12/5/2021 06:00

Job Category ORIG COMPLETION			Primary Job Type OCMS			AFE Number 9015578
Days From Spud (days) 77	Days on Location (days) 5	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig RANGER ENERGY SERVICES, STIM	

Operations Summary
MIRU

Remarks
NO HSE

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/4/2021 06:00	12/5/2021 06:00	24	SETUP	RIG UP OR RIG DOWN	RURD	MIRU

Report #: 7 Daily Operation: 12/5/2021 06:00 - 12/6/2021 06:00

Job Category ORIG COMPLETION			Primary Job Type OCMS			AFE Number 9015578
Days From Spud (days) 78	Days on Location (days) 6	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig RANGER ENERGY SERVICES, STIM	

Operations Summary
FRAC STGS: 1
P/P STGS: 2
UTF: N/A

Remarks
NO HSE

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/5/2021 06:00	12/5/2021 16:00	10	SETUP	RIG UP OR RIG DOWN	RURD	MIRU
12/5/2021 16:00	12/5/2021 19:47	3.79	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/5/2021 19:47	12/5/2021 20:00	0.22	SWAPOVER	FRAC	SWAP_FRAC	SWAP FRAC
12/5/2021 20:00	12/5/2021 21:51	1.85	FRAC	FRAC / STIM	STIM	FRAC STG 1
12/5/2021 21:51	12/5/2021 21:57	0.1	SWAPOVER	WIRELINE	SWAP_WL	SWAP WL
12/5/2021 21:57	12/5/2021 22:32	0.58	WIRELINE	RUN DOWN	WL_RUNDN	RIH P&P STG 2

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 10-17E 5H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/5/2021 22:32	12/5/2021 23:02	0.5	WIRELINE	RUN UP	WL_RUN UP	ASF POOH
12/5/2021 23:02	12/6/2021 06:00	6.96	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD

Report #: 8 Daily Operation: 12/6/2021 06:00 - 12/7/2021 06:00

Job Category ORIG COMPLETION			Primary Job Type OCMS			AFE Number 9015578
Days From Spud (days) 79	Days on Location (days) 7	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	RANGER ENERGY SERVICES, STIM	

Operations Summary
FRAC STGS: 2,3,4,5
P/P STGS: 3,4,5,6
UTF: N/A

Remarks
NO HSE

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/6/2021 06:00	12/6/2021 07:40	1.68	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/6/2021 07:40	12/6/2021 07:50	0.16	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC
12/6/2021 07:50	12/6/2021 09:40	1.84	FRAC	FRAC / STIM	STIM	FRAC STG 2
12/6/2021 09:40	12/6/2021 09:48	0.12	SWAPOVER	WIRELINE	SWAP_W L	SWAP WL
12/6/2021 09:48	12/6/2021 10:28	0.68	WIRELINE	RUN DOWN	WL_RUN DN	RIH P&P STG 3
12/6/2021 10:28	12/6/2021 10:55	0.45	WIRELINE	RUN UP	WL_RUN UP	ASF POOH
12/6/2021 10:55	12/6/2021 13:42	2.78	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/6/2021 13:42	12/6/2021 13:51	0.15	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC
12/6/2021 13:51	12/6/2021 15:42	1.85	FRAC	FRAC / STIM	STIM	FRAC STG 3
12/6/2021 15:42	12/6/2021 15:51	0.15	SWAPOVER	WIRELINE	SWAP_W L	SWAP WL
12/6/2021 15:51	12/6/2021 16:27	0.6	WIRELINE	RUN DOWN	WL_RUN DN	RIH P&P STG 4
12/6/2021 16:27	12/6/2021 16:57	0.5	WIRELINE	RUN UP	WL_RUN UP	ASF POOH
12/6/2021 16:57	12/6/2021 19:35	2.63	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/6/2021 19:35	12/6/2021 19:41	0.1	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC
12/6/2021 19:41	12/6/2021 21:29	1.8	FRAC	FRAC / STIM	STIM	FRAC STG 4
12/6/2021 21:29	12/6/2021 22:11	0.7	SWAPOVER	WIRELINE	SWAP_W L	SWAP WL
12/6/2021 22:11	12/6/2021 22:44	0.55	WIRELINE	RUN DOWN	WL_RUN DN	RIH P&P STG 5
12/6/2021 22:44	12/6/2021 23:11	0.45	WIRELINE	RUN UP	WL_RUN UP	ASF POOH
12/6/2021 23:11	12/7/2021 01:36	2.42	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/7/2021 01:36	12/7/2021 01:44	0.13	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC
12/7/2021 01:44	12/7/2021 03:33	1.82	FRAC	FRAC / STIM	STIM	FRAC STG 5
12/7/2021 03:33	12/7/2021 03:44	0.18	SWAPOVER	WIRELINE	SWAP_W L	SWAP WL
12/7/2021 03:44	12/7/2021 04:20	0.6	WIRELINE	RUN DOWN	WL_RUN DN	RIH P&P STG 6

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 10-17E 5H

Time Log Summary						
Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/7/2021 04:20	12/7/2021 04:48	0.47	WIRELINE	RUN UP	WL_RUN UP	ASF POOH
12/7/2021 04:48	12/7/2021 06:00	1.19	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
Report #: 9 Daily Operation: 12/7/2021 06:00 - 12/8/2021 06:00						
Job Category ORIG COMPLETION				Primary Job Type OCMS		AFE Number 9015578
Days From Spud (days) 80	Days on Location (days) 8	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig RANGER ENERGY SERVICES, STIM	
Operations Summary FRAC STGS: 6,7,8,9 P/P STGS: 7,8,9,10 UTF: N/A						
Remarks NO HSE						
Time Log Summary						
Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/7/2021 06:00	12/7/2021 07:25	1.42	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/7/2021 07:25	12/7/2021 07:33	0.14	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC
12/7/2021 07:33	12/7/2021 09:23	1.83	FRAC	FRAC / STIM	STIM	FRAC STG 6
12/7/2021 09:23	12/7/2021 09:30	0.12	SWAPOVER	WIRELINE	SWAP_W L	SWAP WL
12/7/2021 09:30	12/7/2021 10:00	0.5	WIRELINE	RUN DOWN	WL_RUN DN	RIH P&P STG 7
12/7/2021 10:00	12/7/2021 10:27	0.45	WIRELINE	RUN UP	WL_RUN UP	ASF POOH
12/7/2021 10:27	12/7/2021 13:10	2.72	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/7/2021 13:10	12/7/2021 13:18	0.12	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC
12/7/2021 13:18	12/7/2021 15:09	1.86	FRAC	FRAC / STIM	STIM	FRAC STG 7
12/7/2021 15:09	12/7/2021 15:15	0.1	SWAPOVER	WIRELINE	SWAP_W L	SWAP WL
12/7/2021 15:15	12/7/2021 15:50	0.58	WIRELINE	RUN DOWN	WL_RUN DN	RIH P&P STG 8
12/7/2021 15:50	12/7/2021 16:17	0.45	WIRELINE	RUN UP	WL_RUN UP	ASF POOH
12/7/2021 16:17	12/7/2021 18:56	2.65	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/7/2021 18:56	12/7/2021 19:09	0.21	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC
12/7/2021 19:09	12/7/2021 20:56	1.79	FRAC	FRAC / STIM	STIM	FRAC STG 8
12/7/2021 20:56	12/7/2021 21:05	0.15	SWAPOVER	WIRELINE	SWAP_W L	SWAP WL
12/7/2021 21:05	12/7/2021 21:35	0.5	WIRELINE	RUN DOWN	WL_RUN DN	RIH P&P STG 9
12/7/2021 21:35	12/7/2021 22:02	0.45	WIRELINE	RUN UP	WL_RUN UP	ASF POOH
12/7/2021 22:02	12/8/2021 00:48	2.76	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/8/2021 00:48	12/8/2021 00:55	0.12	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC
12/8/2021 00:55	12/8/2021 02:40	1.75	FRAC	FRAC / STIM	STIM	FRAC STG 9
12/8/2021 02:40	12/8/2021 02:46	0.1	SWAPOVER	WIRELINE	SWAP_W L	SWAP WL
12/8/2021 02:46	12/8/2021 03:20	0.57	WIRELINE	RUN DOWN	WL_RUN DN	RIH P&P STG 10

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 10-17E 5H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/8/2021 03:20	12/8/2021 03:52	0.53	WIRELINE	RUN UP	WL_RUN UP	ASF POOH
12/8/2021 03:52	12/8/2021 06:00	2.13	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD

Report #: 10 Daily Operation: 12/8/2021 06:00 - 12/9/2021 06:00

Job Category ORIG COMPLETION			Primary Job Type OCMS			AFE Number 9015578
Days From Spud (days) 81	Days on Location (days) 9	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	RANGER ENERGY SERVICES, STIM	

Operations Summary
FRAC STGS: 10,11,12,13
P/P STGS: 11,12,13,14
UTF: N/A

Remarks
NO HSE

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/8/2021 06:00	12/8/2021 06:48	0.81	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/8/2021 06:48	12/8/2021 07:00	0.19	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC
12/8/2021 07:00	12/8/2021 08:45	1.76	FRAC	FRAC / STIM	STIM	FRAC STG 10
12/8/2021 08:45	12/8/2021 08:51	0.1	SWAPOVER	WIRELINE	SWAP_W L	SWAP WL
12/8/2021 08:51	12/8/2021 09:23	0.53	WIRELINE	RUN DOWN	WL_RUN DN	RIH P&P STG 11
12/8/2021 09:23	12/8/2021 10:00	0.62	WIRELINE	RUN UP	WL_RUN UP	ASF POOH
12/8/2021 10:00	12/8/2021 12:42	2.69	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/8/2021 12:42	12/8/2021 12:52	0.17	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC
12/8/2021 12:52	12/8/2021 14:38	1.77	FRAC	FRAC / STIM	STIM	FRAC STG 11
12/8/2021 14:38	12/8/2021 14:44	0.1	SWAPOVER	WIRELINE	SWAP_W L	SWAP WL
12/8/2021 14:44	12/8/2021 15:10	0.44	WIRELINE	RUN DOWN	WL_RUN DN	RIH P&P STG 12
12/8/2021 15:10	12/8/2021 15:40	0.5	WIRELINE	RUN UP	WL_RUN UP	ASF POOH
12/8/2021 15:40	12/8/2021 18:30	2.82	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/8/2021 18:30	12/8/2021 18:37	0.12	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC
12/8/2021 18:37	12/8/2021 20:29	1.87	FRAC	FRAC / STIM	STIM	FRAC STG 12
12/8/2021 20:29	12/8/2021 21:33	1.06	SWAPOVER	WIRELINE	SWAP_W L	SWAP WL
12/8/2021 21:33	12/8/2021 22:08	0.59	WIRELINE	RUN DOWN	WL_RUN DN	RIH P&P STG 13
12/8/2021 22:08	12/8/2021 22:27	0.31	WIRELINE	RUN UP	WL_RUN UP	ASF POOH
12/8/2021 22:27	12/9/2021 00:25	1.97	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/9/2021 00:25	12/9/2021 00:37	0.2	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC
12/9/2021 00:37	12/9/2021 02:22	1.75	FRAC	FRAC / STIM	STIM	FRAC STG 13
12/9/2021 02:22	12/9/2021 02:31	0.16	SWAPOVER	WIRELINE	SWAP_W L	SWAP WL
12/9/2021 02:31	12/9/2021 03:00	0.47	WIRELINE	RUN DOWN	WL_RUN DN	RIH P&P STG 14

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 10-17E 5H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/9/2021 03:00	12/9/2021 03:22	0.38	WIRELINE	RUN UP	WL_RUN UP	ASF POOH
12/9/2021 03:22	12/9/2021 06:00	2.62	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD

Report #: 11 Daily Operation: 12/9/2021 06:00 - 12/10/2021 06:00

Job Category ORIG COMPLETION			Primary Job Type OCMS			AFE Number 9015578
Days From Spud (days) 82	Days on Location (days) 10	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	RANGER ENERGY SERVICES, STIM	

Operations Summary
FRAC STGS: 14,15,16,17
P/P STGS: 15,16,17,18
UTF: N/A

Remarks
NO HSE

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/9/2021 06:00	12/9/2021 06:11	0.19	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/9/2021 06:11	12/9/2021 06:20	0.15	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC
12/9/2021 06:20	12/9/2021 08:02	1.7	FRAC	FRAC / STIM	STIM	FRAC STG 14
12/9/2021 08:02	12/9/2021 08:09	0.12	SWAPOVER	WIRELINE	SWAP_W L	SWAP WL
12/9/2021 08:09	12/9/2021 08:36	0.44	WIRELINE	RUN DOWN	WL_RUN DN	RIH P&P STG 15
12/9/2021 08:36	12/9/2021 08:58	0.38	WIRELINE	RUN UP	WL_RUN UP	ASF POOH
12/9/2021 08:58	12/9/2021 11:45	2.77	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/9/2021 11:45	12/9/2021 11:54	0.15	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC
12/9/2021 11:54	12/9/2021 13:38	1.74	FRAC	FRAC / STIM	STIM	FRAC STG 15
12/9/2021 13:38	12/9/2021 14:10	0.54	SWAPOVER	WIRELINE	SWAP_W L	SWAP WL
12/9/2021 14:10	12/9/2021 14:39	0.47	WIRELINE	RUN DOWN	WL_RUN DN	RIH P&P STG 16
12/9/2021 14:39	12/9/2021 15:09	0.5	WIRELINE	RUN UP	WL_RUN UP	ASF POOH
12/9/2021 15:09	12/9/2021 17:48	2.66	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/9/2021 17:48	12/9/2021 17:56	0.13	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC
12/9/2021 17:56	12/9/2021 19:40	1.73	FRAC	FRAC / STIM	STIM	FRAC STG 16
12/9/2021 19:40	12/9/2021 19:47	0.12	SWAPOVER	WIRELINE	SWAP_W L	SWAP WL
12/9/2021 19:47	12/9/2021 20:15	0.47	WIRELINE	RUN DOWN	WL_RUN DN	RIH P&P STG 17
12/9/2021 20:15	12/9/2021 20:37	0.37	WIRELINE	RUN UP	WL_RUN UP	ASF POOH
12/9/2021 20:37	12/9/2021 23:33	2.92	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/9/2021 23:33	12/9/2021 23:42	0.15	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC
12/9/2021 23:42	12/10/2021 01:29	1.79	FRAC	FRAC / STIM	STIM	FRAC STG 17
12/10/2021 01:29	12/10/2021 01:36	0.12	SWAPOVER	WIRELINE	SWAP_W L	SWAP WL
12/10/2021 01:36	12/10/2021 02:05	0.48	WIRELINE	RUN DOWN	WL_RUN DN	RIH P&P STG 18

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 10-17E 5H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/10/2021 02:05	12/10/2021 02:29	0.4	WIRELINE	RUN UP	WL_RUN UP	ASF POOH
12/10/2021 02:29	12/10/2021 05:16	2.78	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/10/2021 05:16	12/10/2021 05:23	0.12	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC
12/10/2021 05:23	12/10/2021 06:00	0.61	FRAC	FRAC / STIM	STIM	FRAC STG 18

Report #: 12 Daily Operation: 12/10/2021 06:00 - 12/11/2021 06:00

Job Category ORIG COMPLETION	Primary Job Type OCMS	AFE Number 9015578
Days From Spud (days) 83	Days on Location (days) 11	End Depth (ftKB) 0.0
End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig RANGER ENERGY SERVICES, STIM

Operations Summary
FRAC STGS: 18,19,20,21
P/P STGS: 19,20,21,22
UTF: N/A

Remarks
NO HSE

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/10/2021 06:00	12/10/2021 07:09	1.16	FRAC	FRAC / STIM	STIM	FRAC STG 18
12/10/2021 07:09	12/10/2021 07:14	0.08	SWAPOVER	WIRELINE	SWAP_W L	SWAP WL
12/10/2021 07:14	12/10/2021 07:39	0.42	WIRELINE	RUN DOWN	WL_RUN DN	RIH P&P STG 19
12/10/2021 07:39	12/10/2021 08:06	0.45	WIRELINE	RUN UP	WL_RUN UP	ASF POOH
12/10/2021 08:06	12/10/2021 10:56	2.83	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/10/2021 10:56	12/10/2021 11:08	0.2	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC
12/10/2021 11:08	12/10/2021 12:57	1.81	FRAC	FRAC / STIM	STIM	FRAC STG 19
12/10/2021 12:57	12/10/2021 13:04	0.12	SWAPOVER	WIRELINE	SWAP_W L	SWAP WL
12/10/2021 13:04	12/10/2021 13:30	0.44	WIRELINE	RUN DOWN	WL_RUN DN	RIH P&P STG 20
12/10/2021 13:30	12/10/2021 13:57	0.45	WIRELINE	RUN UP	WL_RUN UP	ASF POOH
12/10/2021 13:57	12/10/2021 16:43	2.77	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/10/2021 16:43	12/10/2021 16:53	0.16	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC
12/10/2021 16:53	12/10/2021 18:52	1.98	FRAC	FRAC / STIM	STIM	FRAC STG 20
12/10/2021 18:52	12/10/2021 19:00	0.14	SWAPOVER	WIRELINE	SWAP_W L	SWAP WL
12/10/2021 19:00	12/10/2021 19:26	0.43	WIRELINE	RUN DOWN	WL_RUN DN	RIH P&P STG 21
12/10/2021 19:26	12/10/2021 19:46	0.34	WIRELINE	RUN UP	WL_RUN UP	ASF POOH
12/10/2021 19:46	12/10/2021 23:39	3.88	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/10/2021 23:39	12/10/2021 23:45	0.1	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC
12/10/2021 23:45	12/11/2021 01:42	1.95	FRAC	FRAC / STIM	STIM	FRAC STG 21
12/11/2021 01:42	12/11/2021 01:53	0.18	SWAPOVER	WIRELINE	SWAP_W L	SWAP WL
12/11/2021 01:53	12/11/2021 02:26	0.55	WIRELINE	RUN DOWN	WL_RUN DN	RIH P&P STG 22

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 10-17E 5H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/11/2021 02:26	12/11/2021 02:49	0.38	WIRELINE	RUN UP	WL_RUN UP	ASF POOH
12/11/2021 02:49	12/11/2021 05:43	2.9	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/11/2021 05:43	12/11/2021 05:50	0.12	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC
12/11/2021 05:50	12/11/2021 06:00	0.16	FRAC	FRAC / STIM	STIM	FRAC STG 22

Report #: 13 Daily Operation: 12/11/2021 06:00 - 12/12/2021 06:00

Job Category ORIG COMPLETION	Primary Job Type OCMS	AFE Number 9015578
Days From Spud (days) 84	Days on Location (days) 12	End Depth (ftKB) 0.0
End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig RANGER ENERGY SERVICES, STIM

Operations Summary
FRAC STGS: 22,23,24,25
P/P STGS: 23,24,25,26
UTF: N/A

Remarks
NO HSE

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/11/2021 06:00	12/11/2021 07:44	1.74	FRAC	FRAC / STIM	STIM	FRAC STG 22
12/11/2021 07:44	12/11/2021 07:50	0.1	SWAPOVER	WIRELINE	SWAP_W L	SWAP WL
12/11/2021 07:50	12/11/2021 08:13	0.39	WIRELINE	RUN DOWN	WL_RUN DN	RIH P&P STG 23
12/11/2021 08:13	12/11/2021 08:37	0.4	WIRELINE	RUN UP	WL_RUN UP	ASF POOH
12/11/2021 08:37	12/11/2021 11:48	3.18	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/11/2021 11:48	12/11/2021 11:56	0.13	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC
12/11/2021 11:56	12/11/2021 13:46	1.83	FRAC	FRAC / STIM	STIM	FRAC STG 23
12/11/2021 13:46	12/11/2021 13:53	0.12	SWAPOVER	WIRELINE	SWAP_W L	SWAP WL
12/11/2021 13:53	12/11/2021 14:17	0.4	WIRELINE	RUN DOWN	WL_RUN DN	RIH P&P STG 24
12/11/2021 14:17	12/11/2021 14:40	0.39	WIRELINE	RUN UP	WL_RUN UP	ASF POOH
12/11/2021 14:40	12/11/2021 17:51	3.18	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/11/2021 17:51	12/11/2021 18:01	0.17	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC
12/11/2021 18:01	12/11/2021 19:49	1.79	FRAC	FRAC / STIM	STIM	FRAC STG 24
12/11/2021 19:49	12/11/2021 19:58	0.15	SWAPOVER	WIRELINE	SWAP_W L	SWAP WL
12/11/2021 19:58	12/11/2021 21:01	1.05	WIRELINE	RUN DOWN	WL_RUN DN	RIH P&P STG 25
12/11/2021 21:01	12/11/2021 21:21	0.34	WIRELINE	RUN UP	WL_RUN UP	ASF POOH
12/11/2021 21:21	12/12/2021 00:00	2.64	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/12/2021 00:00	12/12/2021 00:12	0.2	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC
12/12/2021 00:12	12/12/2021 02:06	1.9	FRAC	FRAC / STIM	STIM	FRAC STG 25
12/12/2021 02:06	12/12/2021 02:16	0.17	SWAPOVER	WIRELINE	SWAP_W L	SWAP WL
12/12/2021 02:16	12/12/2021 02:44	0.47	WIRELINE	RUN DOWN	WL_RUN DN	RIH P&P STG 26

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 10-17E 5H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/12/2021 02:44	12/12/2021 03:07	0.38	WIRELINE	RUN UP	WL_RUN UP	ASF POOH
12/12/2021 03:07	12/12/2021 05:51	2.74	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/12/2021 05:51	12/12/2021 06:00	0.14	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC

Report #: 14 Daily Operation: 12/12/2021 06:00 - 12/13/2021 06:00

Job Category ORIG COMPLETION	Primary Job Type OCMS	AFE Number 9015578
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Days From Spud (days) 85	Days on Location (days) 13	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig RANGER ENERGY SERVICES, STIM
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Operations Summary
FRAC STGS: 26,27,28,29
P/P STGS: 27,28,29,30
UTF: N/A

Remarks
NO HSE

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/12/2021 06:00	12/12/2021 07:44	1.74	FRAC	FRAC / STIM	STIM	FRAC STG 26
12/12/2021 07:44	12/12/2021 07:51	0.12	SWAPOVER	WIRELINE	SWAP_W L	SWAP WL
12/12/2021 07:51	12/12/2021 08:06	0.25	WIRELINE	RUN DOWN	WL_RUN DN	RIH P&P STG 27
12/12/2021 08:06	12/12/2021 08:36	0.5	WIRELINE	RUN UP	WL_RUN UP	ASF POOH
12/12/2021 08:36	12/12/2021 11:40	3.06	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/12/2021 11:40	12/12/2021 11:48	0.14	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC
12/12/2021 11:48	12/12/2021 13:34	1.77	FRAC	FRAC / STIM	STIM	FRAC STG 27
12/12/2021 13:34	12/12/2021 13:42	0.12	SWAPOVER	WIRELINE	SWAP_W L	SWAP WL
12/12/2021 13:42	12/12/2021 14:06	0.4	WIRELINE	RUN DOWN	WL_RUN DN	RIH P&P STG 28
12/12/2021 14:06	12/12/2021 14:31	0.43	WIRELINE	RUN UP	WL_RUN UP	ASF POOH
12/12/2021 14:31	12/12/2021 17:26	2.91	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/12/2021 17:26	12/12/2021 17:35	0.15	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC
12/12/2021 17:35	12/12/2021 19:23	1.8	FRAC	FRAC / STIM	STIM	FRAC STG 28
12/12/2021 19:23	12/12/2021 19:30	0.11	SWAPOVER	WIRELINE	SWAP_W L	SWAP WL
12/12/2021 19:30	12/12/2021 19:52	0.38	WIRELINE	RUN DOWN	WL_RUN DN	RIH P&P STG 29
12/12/2021 19:52	12/12/2021 20:12	0.32	WIRELINE	RUN UP	WL_RUN UP	ASF POOH
12/12/2021 20:12	12/12/2021 23:19	3.13	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/12/2021 23:19	12/12/2021 23:32	0.21	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC
12/12/2021 23:32	12/13/2021 01:20	1.8	FRAC	FRAC / STIM	STIM	FRAC STG 29
12/13/2021 01:20	12/13/2021 01:27	0.12	SWAPOVER	WIRELINE	SWAP_W L	SWAP WL
12/13/2021 01:27	12/13/2021 01:54	0.44	WIRELINE	RUN DOWN	WL_RUN DN	RIH P&P STG 30
12/13/2021 01:54	12/13/2021 02:12	0.3	WIRELINE	RUN UP	WL_RUN UP	ASF POOH

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 10-17E 5H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/13/2021 02:12	12/13/2021 05:02	2.84	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/13/2021 05:02	12/13/2021 05:08	0.1	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC
12/13/2021 05:08	12/13/2021 06:00	0.86	FRAC	FRAC / STIM	STIM	FRAC STG 30

Report #: 15 Daily Operation: 12/13/2021 06:00 - 12/14/2021 06:00

Job Category ORIG COMPLETION	Primary Job Type OCMS	AFE Number 9015578
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Days From Spud (days) 86	Days on Location (days) 14	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig RANGER ENERGY SERVICES, STIM
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Operations Summary
FRAC STGS: 30,31,32,33
P/P STGS: 31,32,33,34
UTF: 0.45 hrs. - Grease crown valve

Remarks
NO HSE

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/13/2021 06:00	12/13/2021 06:50	0.84	FRAC	FRAC / STIM	STIM	FRAC STG 30
12/13/2021 06:50	12/13/2021 06:57	0.12	SWAPOVER	WIRELINE	SWAP_W L	SWAP WL
12/13/2021 06:57	12/13/2021 07:15	0.3	WIRELINE	RUN DOWN	WL_RUN DN	RIH P&P STG 31
12/13/2021 07:15	12/13/2021 07:42	0.44	WIRELINE	RUN UP	WL_RUN UP	ASF POOH
12/13/2021 07:42	12/13/2021 10:35	2.89	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/13/2021 10:35	12/13/2021 10:43	0.13	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC
12/13/2021 10:43	12/13/2021 12:31	1.8	FRAC	FRAC / STIM	STIM	FRAC STG 31
12/13/2021 12:31	12/13/2021 12:36	0.09	SWAPOVER	WIRELINE	SWAP_W L	SWAP WL
12/13/2021 12:36	12/13/2021 12:58	0.36	WIRELINE	RUN DOWN	WL_RUN DN	RIH P&P STG 32
12/13/2021 12:58	12/13/2021 13:22	0.4	WIRELINE	RUN UP	WL_RUN UP	ASF POOH
12/13/2021 13:22	12/13/2021 16:15	2.89	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/13/2021 16:15	12/13/2021 16:22	0.12	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC
12/13/2021 16:22	12/13/2021 18:12	1.82	FRAC	FRAC / STIM	STIM	FRAC STG 32
12/13/2021 18:12	12/13/2021 18:24	0.2	SWAPOVER	WIRELINE	SWAP_W L	SWAP WL
12/13/2021 18:24	12/13/2021 18:52	0.48	WIRELINE	RUN DOWN	WL_RUN DN	RIH P&P STG 33
12/13/2021 18:52	12/13/2021 19:13	0.34	WIRELINE	RUN UP	WL_RUN UP	ASF POOH
12/13/2021 19:13	12/13/2021 22:03	2.84	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/13/2021 22:03	12/13/2021 22:13	0.16	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC
12/13/2021 22:13	12/14/2021 00:42	2.49	FRAC	FRAC / STIM	STIM	FRAC STG 33
12/14/2021 00:42	12/14/2021 00:55	0.22	SWAPOVER	WIRELINE	SWAP_W L	SWAP WL
12/14/2021 00:55	12/14/2021 01:19	0.39	WIRELINE	RUN DOWN	WL_RUN DN	RIH P&P STG 34
12/14/2021 01:19	12/14/2021 01:38	0.32	WIRELINE	RUN UP	WL_RUN UP	ASF POOH

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 10-17E 5H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/14/2021 01:38	12/14/2021 04:29	2.85	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/14/2021 04:29	12/14/2021 04:39	0.17	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC
12/14/2021 04:39	12/14/2021 06:00	1.34	FRAC	FRAC / STIM	STIM	FRAC STG 34

Report #: 16 Daily Operation: 12/14/2021 06:00 - 12/15/2021 06:00

Job Category ORIG COMPLETION	Primary Job Type OCMS	AFE Number 9015578
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Days From Spud (days) 87	Days on Location (days) 15	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig RANGER ENERGY SERVICES, STIM
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Operations Summary
FRAC STGS: 34,35,36
P/P STGS: 35,36,37
UTF: 0.68 hrs. - Leaking crown valve, flush and grease

Remarks
NO HSE

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/14/2021 06:00	12/14/2021 06:33	0.55	FRAC	FRAC / STIM	STIM	FRAC STG 34
12/14/2021 06:33	12/14/2021 06:40	0.12	SWAPOVER	WIRELINE	SWAP_W L	SWAP WL
12/14/2021 06:40	12/14/2021 07:00	0.34	WIRELINE	RUN DOWN	WL_RUN DN	RIH P&P STG 35
12/14/2021 07:00	12/14/2021 07:24	0.4	WIRELINE	RUN UP	WL_RUN UP	ASF POOH
12/14/2021 07:24	12/14/2021 10:50	3.43	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/14/2021 10:50	12/14/2021 10:59	0.15	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC
12/14/2021 10:59	12/14/2021 12:55	1.93	FRAC	FRAC / STIM	STIM	FRAC STG 35
12/14/2021 12:55	12/14/2021 14:25	1.5	SWAPOVER	WIRELINE	SWAP_W L	SWAP WL
12/14/2021 14:25	12/14/2021 14:45	0.34	WIRELINE	RUN DOWN	WL_RUN DN	RIH P&P STG 36
12/14/2021 14:45	12/14/2021 15:09	0.4	WIRELINE	RUN UP	WL_RUN UP	ASF POOH
12/14/2021 15:09	12/14/2021 16:55	1.77	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/14/2021 16:55	12/14/2021 17:04	0.14	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC
12/14/2021 17:04	12/14/2021 18:19	1.26	FRAC	FRAC / STIM	STIM	FRAC STG 36 (INCOMPLETE)
12/14/2021 18:19	12/14/2021 19:00	0.68	FRAC	UNPLANNED MAINTENANCE	F_UPM	GREASE CROWN
12/14/2021 19:00	12/15/2021 03:00	8	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/15/2021 03:00	12/15/2021 06:00	2.99	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC

Report #: 17 Daily Operation: 12/15/2021 06:00 - 12/16/2021 06:00

Job Category ORIG COMPLETION	Primary Job Type OCMS	AFE Number 9015578
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Days From Spud (days) 88	Days on Location (days) 16	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig RANGER ENERGY SERVICES, STIM
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Operations Summary
FRAC STGS: 36,37,38,39,40,41
P/P STGS: 37,38,39,40,41,42
UTF: N/A

Remarks
NO HSE

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 10-17E 5H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/15/2021 06:00	12/15/2021 06:16	0.27	SWAPOVER	FRAC	SWAP_F RAC	
12/15/2021 06:16	12/15/2021 07:05	0.82	FRAC	FRAC / STIM	STIM	FRAC STG 36
12/15/2021 07:05	12/15/2021 07:12	0.12	SWAPOVER	WIRELINE	SWAP_W L	SWAP WL
12/15/2021 07:12	12/15/2021 07:40	0.46	WIRELINE	RUN DOWN	WL_RUN DN	RIH P&P STG 37
12/15/2021 07:40	12/15/2021 08:04	0.4	WIRELINE	RUN UP	WL_RUN UP	ASF POOH
12/15/2021 08:04	12/15/2021 09:22	1.3	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/15/2021 09:22	12/15/2021 09:28	0.11	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC
12/15/2021 09:28	12/15/2021 11:17	1.81	FRAC	FRAC / STIM	STIM	FRAC STG 37
12/15/2021 11:17	12/15/2021 11:24	0.12	SWAPOVER	WIRELINE	SWAP_W L	SWAP WL
12/15/2021 11:24	12/15/2021 11:45	0.35	WIRELINE	RUN DOWN	WL_RUN DN	RIH P&P STG 38
12/15/2021 11:45	12/15/2021 12:09	0.4	WIRELINE	RUN UP	WL_RUN UP	ASF POOH
12/15/2021 12:09	12/15/2021 13:07	0.96	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/15/2021 13:07	12/15/2021 13:14	0.12	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC
12/15/2021 13:14	12/15/2021 15:02	1.8	FRAC	FRAC / STIM	STIM	FRAC STG 38
12/15/2021 15:02	12/15/2021 15:09	0.12	SWAPOVER	WIRELINE	SWAP_W L	SWAP WL
12/15/2021 15:09	12/15/2021 15:30	0.35	WIRELINE	RUN DOWN	WL_RUN DN	RIH P&P STG 39
12/15/2021 15:30	12/15/2021 15:51	0.35	WIRELINE	RUN UP	WL_RUN UP	ASF POOH
12/15/2021 15:51	12/15/2021 16:57	1.1	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/15/2021 16:57	12/15/2021 17:06	0.14	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC
12/15/2021 17:06	12/15/2021 18:54	1.8	FRAC	FRAC / STIM	STIM	FRAC STG 39
12/15/2021 18:54	12/15/2021 19:00	0.11	SWAPOVER	WIRELINE	SWAP_W L	SWAP WL
12/15/2021 19:00	12/15/2021 19:17	0.28	WIRELINE	RUN DOWN	WL_RUN DN	RIH P&P STG 40
12/15/2021 19:17	12/15/2021 19:40	0.38	WIRELINE	RUN UP	WL_RUN UP	ASF POOH
12/15/2021 19:40	12/15/2021 20:55	1.25	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/15/2021 20:55	12/15/2021 21:05	0.17	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC
12/15/2021 21:05	12/15/2021 22:52	1.79	FRAC	FRAC / STIM	STIM	FRAC STG 40
12/15/2021 22:52	12/15/2021 22:58	0.1	SWAPOVER	WIRELINE	SWAP_W L	SWAP WL
12/15/2021 22:58	12/15/2021 23:17	0.31	WIRELINE	RUN DOWN	WL_RUN DN	RIH P&P STG 41
12/15/2021 23:17	12/15/2021 23:41	0.4	WIRELINE	RUN UP	WL_RUN UP	ASF POOH
12/15/2021 23:41	12/16/2021 02:32	2.85	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/16/2021 02:32	12/16/2021 02:39	0.12	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 10-17E 5H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/16/2021 02:39	12/16/2021 04:19	1.67	FRAC	FRAC / STIM	STIM	FRAC STG 41
12/16/2021 04:19	12/16/2021 04:25	0.1	SWAPOVER	WIRELINE	SWAP_W L	SWAP WL
12/16/2021 04:25	12/16/2021 04:46	0.35	WIRELINE	RUN DOWN	WL_RUN DN	RIH P&P STG 42
12/16/2021 04:46	12/16/2021 05:06	0.33	WIRELINE	RUN UP	WL_RUN UP	ASF POOH
12/16/2021 05:06	12/16/2021 06:00	0.89	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD

Report #: 18 Daily Operation: 12/16/2021 06:00 - 12/17/2021 06:00

Job Category ORIG COMPLETION	Primary Job Type OCMS	AFE Number 9015578
Days From Spud (days) 89	Days on Location (days) 17	End Depth (ftKB) 0.0
End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig RANGER ENERGY SERVICES, STIM

Operations Summary
FRAC STGS: 42,43,44,45
P/P STGS: 43,44,45,46
UTF: N/A

Remarks
NO HSE

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/16/2021 06:00	12/16/2021 07:59	1.99	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/16/2021 07:59	12/16/2021 08:05	0.1	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC
12/16/2021 08:05	12/16/2021 09:52	1.79	FRAC	FRAC / STIM	STIM	FRAC STG 42
12/16/2021 09:52	12/16/2021 10:01	0.15	SWAPOVER	WIRELINE	SWAP_W L	SWAP WL
12/16/2021 10:01	12/16/2021 10:25	0.4	WIRELINE	RUN DOWN	WL_RUN DN	RIH P&P STG 43
12/16/2021 10:25	12/16/2021 10:49	0.4	WIRELINE	RUN UP	WL_RUN UP	ASF POOH
12/16/2021 10:49	12/16/2021 13:37	2.8	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/16/2021 13:37	12/16/2021 13:47	0.16	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC
12/16/2021 13:47	12/16/2021 15:32	1.75	FRAC	FRAC / STIM	STIM	FRAC STG 43
12/16/2021 15:32	12/16/2021 15:38	0.1	SWAPOVER	WIRELINE	SWAP_W L	SWAP WL
12/16/2021 15:38	12/16/2021 16:00	0.37	WIRELINE	RUN DOWN	WL_RUN DN	RIH P&P STG 44
12/16/2021 16:00	12/16/2021 16:21	0.35	WIRELINE	RUN UP	WL_RUN UP	ASF POOH
12/16/2021 16:21	12/16/2021 19:19	2.97	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/16/2021 19:19	12/16/2021 19:26	0.11	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC
12/16/2021 19:26	12/16/2021 21:07	1.68	FRAC	FRAC / STIM	STIM	FRAC STG 44
12/16/2021 21:07	12/16/2021 21:14	0.12	SWAPOVER	WIRELINE	SWAP_W L	SWAP WL
12/16/2021 21:14	12/16/2021 21:36	0.37	WIRELINE	RUN DOWN	WL_RUN DN	RIH P&P STG 45
12/16/2021 21:36	12/16/2021 21:57	0.34	WIRELINE	RUN UP	WL_RUN UP	ASF POOH
12/16/2021 21:57	12/17/2021 00:49	2.87	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/17/2021 00:49	12/17/2021 00:56	0.12	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 10-17E 5H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/17/2021 00:56	12/17/2021 02:41	1.75	FRAC	FRAC / STIM	STIM	FRAC STG 45
12/17/2021 02:41	12/17/2021 02:51	0.16	SWAPOVER	WIRELINE	SWAP_W L	SWAP WL
12/17/2021 02:51	12/17/2021 03:06	0.25	WIRELINE	RUN DOWN	WL_RUN DN	RIH P&P STG 46
12/17/2021 03:06	12/17/2021 03:25	0.33	WIRELINE	RUN UP	WL_RUN UP	ASF POOH
12/17/2021 03:25	12/17/2021 06:00	2.57	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD

Report #: 19 Daily Operation: 12/17/2021 06:00 - 12/18/2021 06:00

Job Category ORIG COMPLETION			Primary Job Type OCMS			AFE Number 9015578
Days From Spud (days) 90	Days on Location (days) 18	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	RIG RANGER ENERGY SERVICES, STIM	

Operations Summary
FRAC STGS: 46,47,48
P/P STGS: 47,48,KP1
UTF: N/A

Remarks

NO HSE

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/17/2021 06:00	12/17/2021 06:39	0.66	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/17/2021 06:39	12/17/2021 06:46	0.12	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC
12/17/2021 06:46	12/17/2021 08:30	1.72	FRAC	FRAC / STIM	STIM	FRAC STG 46
12/17/2021 08:30	12/17/2021 08:37	0.13	SWAPOVER	WIRELINE	SWAP_W L	SWAP WL
12/17/2021 08:37	12/17/2021 08:58	0.34	WIRELINE	RUN DOWN	WL_RUN DN	RIH P&P STG 47
12/17/2021 08:58	12/17/2021 09:16	0.31	WIRELINE	RUN UP	WL_RUN UP	ASF POOH
12/17/2021 09:16	12/17/2021 12:23	3.11	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/17/2021 12:23	12/17/2021 12:36	0.22	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC
12/17/2021 12:36	12/17/2021 14:21	1.75	FRAC	FRAC / STIM	STIM	FRAC STG 47
12/17/2021 14:21	12/17/2021 14:28	0.12	SWAPOVER	WIRELINE	SWAP_W L	SWAP WL
12/17/2021 14:28	12/17/2021 14:45	0.28	WIRELINE	RUN DOWN	WL_RUN DN	RIH P&P STG 48
12/17/2021 14:45	12/17/2021 15:03	0.3	WIRELINE	RUN UP	WL_RUN UP	ASF POOH
12/17/2021 15:03	12/17/2021 17:56	2.88	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/17/2021 17:56	12/17/2021 18:04	0.13	SWAPOVER	FRAC	SWAP_F RAC	SWAP FRAC
12/17/2021 18:04	12/17/2021 19:50	1.77	FRAC	FRAC / STIM	STIM	FRAC STG 48
12/17/2021 19:50	12/17/2021 19:57	0.12	SWAPOVER	WIRELINE	SWAP_W L	SWAP WL
12/17/2021 19:57	12/17/2021 20:15	0.3	WIRELINE	RUN DOWN	WL_RUN DN	RIH KP1
12/17/2021 20:15	12/17/2021 20:33	0.3	WIRELINE	RUN UP	WL_RUN UP	POOH
12/17/2021 20:33	12/17/2021 21:45	1.2	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON PAD
12/17/2021 21:45	12/18/2021 06:00	8.24	SETUP	RIG UP OR RIG DOWN	RURD	RIG DOWN FRAC & FRAC SUPPORT

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 10-17E 5H

Report #: 20 Daily Operation: 12/18/2021 06:00 - 12/19/2021 06:00

Job Category ORIG COMPLETION			Primary Job Type OCMS			AFE Number 9015578
Days From Spud (days) 91	Days on Location (days) 19	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	

Operations Summary
RDMO FRAC EQUIPMENT

Remarks
NO HSE

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/18/2021 06:00	12/19/2021 06:00	24	SETUP	RIG UP OR RIG DOWN	RURD	RDMO LOC.

Report #: 1 Daily Operation: 12/31/2021 23:30 - 1/1/2022 06:00

Job Category ORIG COMPLETION				Primary Job Type OCMP		AFE Number 9015579	
Days From Spud (days) 104	Days on Location (days) 0	End Depth (ftKB) 7,540.5	End Depth (TVD) (ftKB) 7,327.9	Dens Last Mud (lb/gal)	Rig AMERICAN WELL SERVICES, 31		

Operations Summary
Nipple Up and Test BOP's, MIRU AWS 31. RIH w/ 240 Jts. Test floats @ TOR

Goal Last 24 Hrs - NU BOP's, MIRU AWS 31, RIH
Goal Next 24 Hrs - Drill 38 Plugs

Well 2 of 3

Remarks
NO HSE EVENTS

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/31/2021 23:30	1/1/2022 01:30	2	SETUP	BOP	NUND_B OP	Nipple up flow cross, triple gate BOP, annular and Washington head. Torque all studs to spec.
1/1/2022 01:30	1/1/2022 02:00	0.5	TEST	BOP	TEST_B OP	Function test all ram preventors. Perform accumulator draw down test. Good test. Fill stack and pressure test all ram preventors to a max of 4500 PSI. Good tests. Pressure test annular preventor to a max of 2500 PSI. Good test.
1/1/2022 02:00	1/1/2022 02:30	0.5	SETUP	WORKOVER RIG	RURD_W ORIG	Spot base beam. Spot and rig in AWS 31 and all supporting equipment. Secure all internal guy-lines as per AWS specifications. Spot and rig in lay down machine. Spot 2 sets of pipe racks. Load pipe racks with 2.375 and 2.875 work string. Rig in rig floor. Rig in and inspect all 2.375 tubing handling equipment.
1/1/2022 02:30	1/1/2022 02:45	0.25	WORKOVER	BHA	WOV_BH A	Measure all BHA components. Install 2 floats in bit-sub. Check float direction with bar. Torque all BHA connections to spec.
1/1/2022 02:45	1/1/2022 04:00	1.25	WORKOVER	RUN IN HOLE	WOV_RI H	Trip in the hole with BHA # 1 Fill tubing after 50 joints to ensure floats are installed in the correct direction. Fill tubing every 100 joints after that. Torque all connections to 3600 Ft-lbs. Trip in hole w/ 165 joints.
1/1/2022 04:00	1/1/2022 04:15	0.25	SETUP	RIG UP OR RIG DOWN	RURD	Rig out all 2.375 tubing handling equipment. Rig in and inspect all 2.875 tubing handling equipment.
1/1/2022 04:15	1/1/2022 05:00	0.75	WORKOVER	RUN IN HOLE	WOV_RI H	Continue Trip in the hole with BHA # 1 Fill tubing at 200 joints. Torque all connections to 4000 Ft-lbs. Trip in hole w/ 75 joints of 2.875 Total tripped in hole 240 joints
1/1/2022 05:00	1/1/2022 05:45	0.75	SETUP	SWIVEL	RURD_S WIVEL	Change out hoisting elevators and tie back rig. Pick up and rig in KLX XK-150 power swivel and secure on tight static line. Install Washington rubber in Washington head. Close pipe rams.
1/1/2022 05:45	1/1/2022 06:00	0.25	TEST	SURFACE LINES/FLOATS	TEST_SL /FLT	Fill well-bore with water and pressure test to 4000 PSI. Test dual floats to 2000 PSI. All good tests.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 10-17E 5H

Report #: 2 Daily Operation: 1/1/2022 06:00 - 1/2/2022 06:00

Job Category ORIG COMPLETION			Primary Job Type OCMP		AFE Number 9015579
Days From Spud (days) 105	Days on Location (days) 1	End Depth (ftKB) 16,589.1	End Depth (TVD) (ftKB) 7,368.8	Dens Last Mud (lb/gal)	Rig AMERICAN WELL SERVICES, 31

Operations Summary
Drill plugs 49 - 4, CWC as Needed.

Total Drilled - 46

NPT - 4.5 hrs. AWS

Goal Last 24 Hrs - Drill 38 Plugs

Goal Next 24 Hrs - Drill 2 plugs, POOH, Set Packer.

Well 2 of 3

Remarks
NO HSE EVENTS

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/1/2022 06:00	1/1/2022 09:00	3	WORKOVER	DRILL OUT PLUG	WOV_DO P	D/O CFP's # 49 - # 43 *****Averages***** PR 4 BPM. RR 3.8 BPM. Circ pressure 2350 PSI. WHP 270 PSI Drill torque 2400 ft-lbs. Free torque 1800 ft-lbs. weight/visc in 8.4 PPG 27 Visc Medium/Heavy sand content. Good plug parts No friction reducing chemicals being used at this time. New saver sub installed prior to starting on joint 240.
1/1/2022 09:00	1/1/2022 12:00	3	WORKOVER	DRILL OUT PLUG	WOV_DO P	D/O CFP's # 42 - # 37 *****Averages***** PR 4 BPM. RR 3.9 BPM. Circ pressure 2550 PSI. WHP 240 PSI Drill torque 3300 ft-lbs. Free torque 2200 ft-lbs. weight/visc in 8.5 PPG 27 Visc Medium/Heavy sand content. Good plug parts No friction reducing chemicals being used at this time. Check saver sub on joint 313.
1/1/2022 12:00	1/1/2022 12:30	0.5	WORKOVER	CIRCULATE	WOV_CI RC	Circulate well-bore clean on top of plug # 36 @ a depth of 10,379' PR 6 BPM. RR 5.6 BPM. Circ pressure 3200 PSI. WHP 228 PSI. Free torque 2200 - 3000 ft-lbs. Pumped FR @ 1/16 per 10 to be able to get higher pump rate to clean hole. After circulation FR was turned off.
1/1/2022 12:30	1/1/2022 17:00	4.5	WORKOVER	DRILL OUT PLUG	WOV_DO P	D/O CFP's # 36 - # 23 *****Averages***** PR 4 BPM. RR 3.9 BPM. Circ pressure 2650 PSI. WHP 260 PSI Drill torque 275000 ft-lbs. Free torque 1800 ft-lbs. weight/visc in 8.5 PPG 27 Visc Medium/Heavy sand content. Good plug parts Pipe on Pipe @ 1/8 per 10 Check saver sub every third plug.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 10-17E 5H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/1/2022 17:00	1/1/2022 17:30	0.5	WORKOVER	CIRCULATE	WOV_CIRC	CWC JT 410 (12,841') PR 4 @ 2785 RR 4.1 @ 225 (45 Choke) RPM 110 @ 1850 0.125 POP, 0 FR, 0.0% Sand Content (Before Circ) PU 83k, SO 50k, N 66k (After Circ) PU 77k, SO 53k, N 64k Medium Plug Parts, Medium to Heavy sand Circ Bottoms Up
1/1/2022 17:30	1/2/2022 01:30	8	WORKOVER	DRILL OUT PLUG	WOV_DOP	Drilled plugs 22 - 4 PR 4 @ 2700 - 3400psi RR 3.4 - 4.0 @ 220 - 348psi (45 Choke) RPM 155 - 160 @ 2650 - 4055psi 0.25 POP, 0.0 FR 8.7 mw, 27 Vis, 0.0% Sand content PU 80k, SO 51k, N 63k Good plug parts, medium to heavy sand Checking saver sub every hour, Changed saver sub on JT 503
1/2/2022 01:30	1/2/2022 06:00	4.5	WORKOVER	CIRCULATE	WOV_CIRC	CWC JT 531 (16,620') PR 5 @ 3270 RR 4.8 @ 225 (45 Choke) RPM 25 @ 1025 0.25 POP, .0 FR, 0.0% Sand Content (Before Circ) PU 83k, SO 50k, N 66k (After Circ) PU 77k, SO 53k, N 64k Medium Plug Parts, Medium to Heavy sand

Report #: 3 Daily Operation: 1/2/2022 06:00 - 1/3/2022 06:00

Job Category ORIG COMPLETION			Primary Job Type OCMP			AFE Number 9015579
Days From Spud (days) 106	Days on Location (days) 2	End Depth (ftKB) 17,088.3	End Depth (TVD) (ftKB) 7,369.6	Dens Last Mud (lb/gal)	Rig AMERICAN WELL SERVICES, 31	

Operations Summary

Drill Plugs 3 - 2, CWC, POOH w/ 486 Jts, Snub Out 60 Jts. Set Packer @ 7230'

Total Drilled - 2

NPT - 3.5 Hrs. AWS/KLX

Goal Last 24 Hrs - Drill 2 plugs, POOH, Set Packer.

Goal Next 24 Hrs - RIH w/ Production, TOTP.

Well 2 of 3

Remarks

NO HSE EVENTS

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/2/2022 06:00	1/2/2022 08:00	2	WORKOVER	CIRCULATE	WOV_CIRC	CWC JT 531 (16,620') PR 5 @ 3270 RR 4.8 @ 225 (45 Choke) RPM 25 @ 1025 0.25 POP, .0 FR, 0.0% Sand Content (Before Circ) PU 83k, SO 50k, N 66k (After Circ) PU 77k, SO 53k, N 64k Medium Plug Parts, Medium to Heavy sand

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 10-17E 5H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/2/2022 08:00	1/2/2022 09:30	1.5	WORKOVER	DRILL OUT PLUG	WOV_DOP	D/O CFP's # 3 - # 2 *****Averages***** PR 4 BPM. RR 4.1 BPM. Circ pressure 2500 PSI. WHP 350 PSI Drill torque 4400 ft-lbs. Free torque 3300 ft-lbs. Medium sand content. Good plug parts POP @ 1/2 per 10 FR @ 1/4 per 10 Started chemicals so we have lower pump pressure on bottom to get a better clean up.
1/2/2022 09:30	1/2/2022 11:00	1.5	WORKOVER	CIRCULATE	WOV_CIRC	Circulate well-bore clean on top of plug # 1 @ a depth of 17,140' PR 6 BPM. RR 5.4 BPM. Circ pressure 1975 PSI. WHP 212 PSI. Free torque 2200 - 3000 ft-lbs. Clean up as follows: * 300 BBL fresh water w/ POP & FR * 50 BBL fresh water * 60 BBL 10 PPG brine water *****Shut in pressure 547 PSI*****
1/2/2022 11:00	1/2/2022 11:30	0.5	SETUP	SWIVEL	RURD_SWIVEL	Pull 3 joints with swivel to ensure string moves free. Release all drilling torque from string. Rig down XK-150 power swivel. Install YT hoisting elevators. ***** PICK UP 88K*****
1/2/2022 11:30	1/2/2022 18:15	6.75	WORKOVER	PULL OUT OF HOLE	WOV_POOH	Trip out of the hole with workstring and BHA # 1. Monitor weight while pulling to ensure no over pulls. Put rig on fast line with 235 joints in the hole. Continue tripping out of the hole. Trip out of the hole w/ 496 joints.
1/2/2022 18:15	1/2/2022 18:30	0.25	SETUP	RIG UP OR RIG DOWN	RURD	Close annular and bleed off pressure above annular. Strip off Washington head. Instal 2' 5000 PSI spool and tubing hanger flange. Hang workstring off in hanger flange and close pipe rams
1/2/2022 18:30	1/2/2022 18:45	0.25	SETUP	SNUBBING UNIT (RIG ASSISTED)	RURD_SNUB_RA	Spot and rig in Goliath rig assisted snubbing unit. Pick up landing joint and make up on stump. Take weight and open pipe rams. Nipple Up Spool and Hanging Flange. Land String in Hanging flange.
1/2/2022 18:45	1/2/2022 19:45	1	SNUBBING	PULL OUT OF HOLE	SNB_POOH	Snub Out 60 Jts w/ Goliath
1/2/2022 19:45	1/2/2022 20:00	0.25	SETUP	SNUBBING UNIT (RIG ASSISTED)	RURD_SNUB_RA	Work string and BHA # 1 @ Surface. Close in master valve. Rig down Goliath rig assisted snubbing unit.
1/2/2022 20:00	1/2/2022 20:30	0.5	WORKOVER	FLUSH	WOV_FLUSH	Function all ram preventors on BOP stack. Flush stack and flowback iron with fresh water. Close blind rams and open master valve. Flush well-bore with 220 BBL of Fresh Water.
1/2/2022 20:30	1/3/2022 02:00	5.5	SETUP	WIRELINE	RURD_WL	Spot and rig in KLX Wire Line unit for GR/JB Run.
1/3/2022 02:00	1/3/2022 03:45	1.75	WIRELINE	GAUGE RING/JUNK BASKET	WL_GR/JB	Equalize lubricator with well-bore pressure. Open master valve and run in hole with gauge ring and junk basket. Correlate with marker joint to ensure correct depths. Gauge ring down to 7,330'. ***605 SICP***
1/3/2022 03:45	1/3/2022 04:15	0.5	WORKOVER	FLUSH	WOV_FLUSH	Flush well-bore with 220 BBLs Packer Fluid.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 10-17E 5H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/3/2022 04:15	1/3/2022 06:00	1.75	WIRELINE	PACKER	WL_PKR	Run in hole with AS-1X packer. Set Packer @ 7,230' not exceeding 150ft min. 7 Pins in Packer

Report #: 4 Daily Operation: 1/3/2022 06:00 - 1/3/2022 14:00

Job Category ORIG COMPLETION	Primary Job Type OCMP	AFE Number 9015579
Days From Spud (days) 107	Days on Location (days) 3	End Depth (ftKB) 17,088.3
	End Depth (TVD) (ftKB) 7,369.6	Dens Last Mud (lb/gal)
		Rig AMERICAN WELL SERVICES, 31

Operations Summary

TIH w/ 220 jts. production & GLV's, RDMO AWS 31, TOTP

Note - Disc ruptured @ 3650 PSI. Shut 600 PSI.

Goal last 24 Hrs - RIH w/ Production, TOTP.

*****FINAL REPORT*****

Well 2 of 3

Remarks

NO HSE EVENTS

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/3/2022 06:00	1/3/2022 07:00	1	SETUP	WIRELINE	RURD_W L	Rig down KLX wireline unit.
1/3/2022 07:00	1/3/2022 07:45	0.75	SETUP	RIG UP OR RIG DOWN	RURD	Drift stack with tubing hanger before tripping in hole with CGL's. Hang line sheaves in derrick.
1/3/2022 07:45	1/3/2022 11:15	3.5	WORKOVER	PRODUCTION TUBING	WOV_TB G	Make up on/off tool and all components for CGL and per engineering design listed in tubing detail. Torque all connections to 1800 FT-lbs. Use 2 monnel bands per joint of tubing. Run in the hole with xxx joints and 9 GLV's
1/3/2022 11:15	1/3/2022 12:00	0.75	SETUP	RIG UP OR RIG DOWN	RURD	Install tubing hanger with back pressure valve. Install 1/4 CT & TEC lines through hanger. Latch packer and set in 16K compression. Land hanger and install all hanger pins. Rig down all tubing handling equipment and rig floor.
1/3/2022 12:00	1/3/2022 12:45	0.75	SETUP	BOP	NUND_B OP	Nipple down BOP stack, flow cross and master valve.
1/3/2022 12:45	1/3/2022 13:15	0.5	SETUP	PRODUCTION TREE	NU_PRO DTREE	Nipple up production tree and torque all studs to specification.
1/3/2022 13:15	1/3/2022 13:30	0.25	TEST	PRODUCTION TREE	TEST_P RODTRE E	Fill void with oil and test hanger seals to 5000 PSI. Good test. Pull back pressure valve and install 2-way check valve. Fill and test tree to 4500 PSI. Good test.
1/3/2022 13:30	1/3/2022 14:00	0.5	SETUP	WORKOVER RIG	RURD_W ORIG	Rig down AWS #31 and all supporting equipment. Turn well over to production. *****FINAL REPORT*****

WELL DETAILS

Well Name UNIVERSITY 10-17E 5H	API/UWI 42-383-41037-0000	Operator PIONEER NATURAL RESOURCES USA INC
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Wellbore Hole Size

Section Des	Size (in)	Act Top (ftKB)	Act Btm (ftKB)	Start Date	End Date
CONDUCTOR	30	25.0	125.0	9/15/2021	9/15/2021
SURFACE	17 1/2	125.0	923.0	9/18/2021	9/19/2021

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 10-17E 5H

Wellbore Hole Size											
Section Des		Size (in)	Act Top (ftKB)	Act Btm (ftKB)	Start Date		End Date				
INTERMEDIATE		12 1/4	923.0	6,743.0	10/18/2021		10/21/2021				
PRODUCTION		8 3/4	6,743.0	7,818.0	10/22/2021		10/23/2021				
PRODUCTION 2		8 1/2	7,818.0	17,185.0	10/24/2021		10/26/2021				
Conductor Casing											
Run Date 9/15/2021		Set Depth (ftKB) 125.0			Centralizers						
Item Des		OD (in)	ID (in)	Wt/Lgth (lb/ft)	Grade	Len (ft)	Jts	Top (ftKB)	Btm (ftKB)		
CONDUCTOR		20	19.625	78.67	H40	100.00	3	25.0	125.0		
Surface Casing											
Set Depth (ftKB) 847.0		Run Date			Centralizers						
Item Des		OD (in)	ID (in)	Wt/Lgth (lb/ft)	Grade	Len (ft)	Jts	Top (ftKB)	Btm (ftKB)		
Set Depth (ftKB) 903.0		Run Date 9/19/2021			Centralizers 8						
Item Des		OD (in)	ID (in)	Wt/Lgth (lb/ft)	Grade	Len (ft)	Jts	Top (ftKB)	Btm (ftKB)		
CASING JOINTS		13 3/8	12.615	54.50	J55	0.00	0	29.5	29.5		
LANDING JOINT		13 3/8	12.615	54.50	J55	0.00	1	29.5	29.5		
CASING HANGER		13 3/8	12.615	54.50	J55	1.00	1	29.5	30.5		
CASING JOINTS		13 3/8	12.615	54.50	J55	829.10	21	30.5	859.6		
FLOAT COLLAR		13 3/8	12.615	54.50	J55	1.50	1	859.6	861.1		
CASING JOINTS		13 3/8	12.615	54.50	J55	39.86	1	861.1	901.0		
CASING SHOE		13 3/8	12.615	54.50	J55	2.00	1	901.0	903.0		
Surface Casing Cement											
Type Casing		String SURFACE, 903.0ftKB		Cementing Start Date 9/19/2021		Cementing End Date 9/19/2021		Cementing Company PERMIAN 5 ENERGY SERVICES LLC		Final Top De... 29.6	Btm (ftKB) 903.0
Class FRESH WATER		Amount (sacks) 0			Yield (ft³/sack) 0.00			Density (lb/gal) 8.34			
Class CLASS C		Amount (sacks) 950			Yield (ft³/sack) 1.90			Density (lb/gal) 13.00			
Class CLASS C		Amount (sacks) 400			Yield (ft³/sack) 1.33			Density (lb/gal) 14.80			
Class FRESH WATER		Amount (sacks) 0			Yield (ft³/sack) 0.00			Density (lb/gal) 8.34			
Intermediate Casing											
Set Depth (ftKB) 6,716.0		Run Date			Centralizers						
Item Des		OD (in)	ID (in)	Wt/Lgth (lb/ft)	Grade	Len (ft)	Jts	Top (ftKB)	Btm (ftKB)		
Set Depth (ftKB) 6,737.0		Run Date 10/21/2021			Centralizers 45						
Item Des		OD (in)	ID (in)	Wt/Lgth (lb/ft)	Grade	Len (ft)	Jts	Top (ftKB)	Btm (ftKB)		
MARKER JOINT		9 5/8	8.835	40.00	L-80 HC	0.00	0	28.3	28.3		
MARKER JOINT		9 5/8	8.835	40.00	L-80 HC	0.00	0	28.3	28.3		
CASING JOINTS		9 5/8	8.835	40.00	L-80 HC	0.00	0	28.3	28.3		
LANDING JOINT		9 5/8	8.835	40.00	L-80 HC	0.00	0	28.3	28.3		
CASING HANGER		9 5/8	8.835	40.00	L-80 HC	1.10	1	28.3	29.4		
CASING JOINTS		9 5/8	8.835	40.00	L-80 HC	2,944.13	64	29.4	2,973.5		
PUP JOINT		9 5/8	8.835	40.00	L-80 HC	8.06	1	2,973.5	2,981.6		
DV TOOL		9 5/8	8.835	40.00	L-80 HC	2.65	1	2,981.6	2,984.2		
EXTERNAL CASING PACKER		9 5/8	8.835	40.00	L-80 HC	16.55	1	2,984.2	3,000.8		
CASING JOINTS		9 5/8	8.835	40.00	L-80 HC	46.45	1	3,000.8	3,047.2		
MARKER JOINT		9 5/8	8.835	40.00	L-80 HC	9.82	1	3,047.2	3,057.0		
CASING JOINTS		9 5/8	8.835	40.00	L-80 HC	3,591.33	78	3,057.0	6,648.4		
FLOAT COLLAR		9 5/8	8.835	40.00	L-80 HC	1.50	1	6,648.4	6,649.9		
CASING JOINTS		9 5/8	8.835	40.00	L-80 HC	85.27	2	6,649.9	6,735.1		
FLOAT SHOE		9 5/8	8.835	40.00	L-80 HC	1.88	1	6,735.1	6,737.0		
Intermediate Casing Cement											
Type Casing		String INTERMEDIATE, 6,737.0ftKB		Cementing Start Date 10/22/2021		Cementing End Date 10/22/2021		Cementing Company SCHLUMBERGER		Final Top De... 2,981.0	Btm (ftKB) 6,737.0
Class		Amount (sacks)			Yield (ft³/sack)			Density (lb/gal) 11.00			

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 10-17E 5H

Class		TXI LITEWEIGHT		Amount (sacks)		1,330		Yield (ft³/sack)		2.76		Density (lb/gal)		11.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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Type		Casing		String		INTERMEDIATE, 6,737.0ftKB		Cementing Start Date		10/22/2021		Cementing End Date		10/22/2021		Cementing Company		SCHLUMBERGER		Final Top De...		28.3		Btm (ftKB)		2,981.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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MARKER JOINT								5 1/2				4.778				20.00				P110-IC				21.02				1				6,796.8				6,817.8																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
CASING JOINTS								5 1/2				4.778				20.00				P110-IC				9,911.85				240				6,817.8				16,729.6																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
MARKER JOINT								5 1/2				4.778				20.00				P110-IC				20.98				1				16,729.6				16,750.6																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
CASING JOINTS								5 1/2				4.778				20.00				P110-IC				413.93				10				16,750.6				17,164.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
FLOAT COLLAR - WET SHOE								5 1/2				4.778				20.00				P110-IC				1.85				1				17,164.5				17,166.4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
FLOAT SHOE								5 1/2				4.778				20.00				P110-IC				2.22				1				17,166.4				17,168.6																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
Set Depth (ftKB)				17,172.0				Run Date								Centralizers																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
Item Des								OD (in)								ID (in)								Wt/Lgth (lb/ft)								Grade								Len (ft)								Jts								Top (ftKB)								Btm (ftKB)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 10-17E 5H

Perforations					
Top (ftKB)	Btm (ftKB)	Linked Zone	Shot Dens (shots/ft)	Entered Shot Total	Com
7,749.0	7,750.0		3.0	3	
7,769.0	7,770.0		3.0	3	
7,789.0	7,790.0		3.0	3	
7,809.0	7,810.0		3.0	3	
7,829.0	7,830.0		3.0	3	
7,849.0	7,850.0		3.0	3	
7,869.0	7,870.0		3.0	3	
7,889.0	7,890.0		3.0	3	
7,909.0	7,910.0		3.0	3	
7,929.0	7,930.0		3.0	3	
7,949.0	7,950.0		3.0	3	
7,969.0	7,970.0		3.0	3	
7,989.0	7,990.0		3.0	3	
8,009.0	8,010.0		3.0	3	
8,029.0	8,030.0		3.0	3	
8,049.0	8,050.0		3.0	3	
8,069.0	8,070.0		3.0	3	
8,089.0	8,090.0		3.0	3	
8,109.0	8,110.0		3.0	3	
8,129.0	8,130.0		3.0	3	
8,149.0	8,150.0		3.0	3	
8,169.0	8,170.0		3.0	3	
8,189.0	8,190.0		3.0	3	
8,209.0	8,210.0		3.0	3	
8,229.0	8,230.0		3.0	3	
8,249.0	8,250.0		3.0	3	
8,269.0	8,270.0		3.0	3	
8,289.0	8,290.0		3.0	3	
8,309.0	8,310.0		3.0	3	
8,329.0	8,330.0		3.0	3	
8,349.0	8,350.0		3.0	3	
8,369.0	8,370.0		3.0	3	
8,389.0	8,390.0		3.0	3	
8,409.0	8,410.0		3.0	3	
8,429.0	8,430.0		3.0	3	
8,449.0	8,450.0		3.0	3	
8,469.0	8,470.0		3.0	3	
8,489.0	8,490.0		3.0	3	
8,509.0	8,510.0		3.0	3	
8,529.0	8,530.0		3.0	3	
8,549.0	8,550.0		3.0	3	
8,569.0	8,570.0		3.0	3	
8,589.0	8,590.0		3.0	3	
8,609.0	8,610.0		3.0	3	
8,629.0	8,630.0		3.0	3	
8,649.0	8,650.0		3.0	3	
8,669.0	8,670.0		3.0	3	
8,689.0	8,690.0		3.0	3	
8,709.0	8,710.0		3.0	3	
8,729.0	8,730.0		3.0	3	
8,749.0	8,750.0		3.0	3	
8,769.0	8,770.0		3.0	3	
8,789.0	8,790.0		3.0	3	
8,809.0	8,810.0		3.0	3	
8,829.0	8,830.0		3.0	3	
8,849.0	8,850.0		3.0	3	
8,869.0	8,870.0		3.0	3	
8,889.0	8,890.0		3.0	3	

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 10-17E 5H

Perforations					
Top (ftKB)	Btm (ftKB)	Linked Zone	Shot Dens (shots/ft)	Entered Shot Total	Com
8,909.0	8,910.0		3.0	3	
8,929.0	8,930.0		3.0	3	
8,949.0	8,950.0		3.0	3	
8,969.0	8,970.0		3.0	3	
8,989.0	8,990.0		3.0	3	
9,009.0	9,010.0		3.0	3	
9,029.0	9,030.0		3.0	3	
9,049.0	9,050.0		3.0	3	
9,069.0	9,070.0		3.0	3	
9,089.0	9,090.0		3.0	3	
9,109.0	9,110.0		3.0	3	
9,129.0	9,130.0		3.0	3	
9,149.0	9,150.0		3.0	3	
9,169.0	9,170.0		3.0	3	
9,189.0	9,190.0		3.0	3	
9,209.0	9,210.0		3.0	3	
9,229.0	9,230.0		3.0	3	
9,249.0	9,250.0		3.0	3	
9,269.0	9,270.0		3.0	3	
9,289.0	9,290.0		3.0	3	
9,309.0	9,310.0		3.0	3	
9,329.0	9,330.0		3.0	3	
9,349.0	9,350.0		3.0	3	
9,369.0	9,370.0		3.0	3	
9,389.0	9,390.0		3.0	3	
9,409.0	9,410.0		3.0	3	
9,429.0	9,430.0		3.0	3	
9,449.0	9,450.0		3.0	3	
9,469.0	9,470.0		3.0	3	
9,489.0	9,490.0		3.0	3	
9,509.0	9,510.0		3.0	3	
9,529.0	9,530.0		3.0	3	
9,549.0	9,550.0		3.0	3	
9,569.0	9,570.0		3.0	3	
9,589.0	9,590.0		3.0	3	
9,609.0	9,610.0		3.0	3	
9,629.0	9,630.0		3.0	3	
9,649.0	9,650.0		3.0	3	
9,669.0	9,670.0		3.0	3	
9,689.0	9,690.0		3.0	3	
9,709.0	9,710.0		3.0	3	
9,729.0	9,730.0		3.0	3	
9,749.0	9,750.0		3.0	3	
9,769.0	9,770.0		3.0	3	
9,789.0	9,790.0		3.0	3	
9,809.0	9,810.0		3.0	3	
9,829.0	9,830.0		3.0	3	
9,849.0	9,850.0		3.0	3	
9,869.0	9,870.0		3.0	3	
9,889.0	9,890.0		3.0	3	
9,909.0	9,910.0		3.0	3	
9,929.0	9,930.0		3.0	3	
9,949.0	9,950.0		3.0	3	
9,969.0	9,970.0		3.0	3	
9,989.0	9,990.0		3.0	3	
10,009.0	10,010.0		3.0	3	
10,029.0	10,030.0		3.0	3	
10,049.0	10,050.0		3.0	3	

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 10-17E 5H

Perforations					
Top (ftKB)	Btm (ftKB)	Linked Zone	Shot Dens (shots/ft)	Entered Shot Total	Com
10,069.0	10,070.0		3.0	3	
10,089.0	10,090.0		3.0	3	
10,109.0	10,110.0		3.0	3	
10,129.0	10,130.0		3.0	3	
10,149.0	10,150.0		3.0	3	
10,169.0	10,170.0		3.0	3	
10,189.0	10,190.0		3.0	3	
10,209.0	10,210.0		3.0	3	
10,229.0	10,230.0		3.0	3	
10,249.0	10,250.0		3.0	3	
10,269.0	10,270.0		3.0	3	
10,289.0	10,290.0		3.0	3	
10,309.0	10,310.0		3.0	3	
10,329.0	10,330.0		3.0	3	
10,349.0	10,350.0		3.0	3	
10,369.0	10,370.0		3.0	3	
10,389.0	10,390.0		3.0	3	
10,409.0	10,410.0		3.0	3	
10,429.0	10,430.0		3.0	3	
10,449.0	10,450.0		3.0	3	
10,469.0	10,470.0		3.0	3	
10,489.0	10,490.0		3.0	3	
10,509.0	10,510.0		3.0	3	
10,529.0	10,530.0		3.0	3	
10,549.0	10,550.0		3.0	3	
10,569.0	10,570.0		3.0	3	
10,589.0	10,590.0		3.0	3	
10,609.0	10,610.0		3.0	3	
10,629.0	10,630.0		3.0	3	
10,649.0	10,650.0		3.0	3	
10,669.0	10,670.0		3.0	3	
10,689.0	10,690.0		3.0	3	
10,709.0	10,710.0		3.0	3	
10,729.0	10,730.0		3.0	3	
10,749.0	10,750.0		3.0	3	
10,769.0	10,770.0		3.0	3	
10,789.0	10,790.0		3.0	3	
10,809.0	10,810.0		3.0	3	
10,829.0	10,830.0		3.0	3	
10,849.0	10,850.0		3.0	3	
10,869.0	10,870.0		3.0	3	
10,889.0	10,890.0		3.0	3	
10,909.0	10,910.0		3.0	3	
10,929.0	10,930.0		3.0	3	
10,949.0	10,950.0		3.0	3	
10,969.0	10,970.0		3.0	3	
10,989.0	10,990.0		3.0	3	
11,009.0	11,010.0		3.0	3	
11,029.0	11,030.0		3.0	3	
11,049.0	11,050.0		3.0	3	
11,069.0	11,070.0		3.0	3	
11,089.0	11,090.0		3.0	3	
11,109.0	11,110.0		3.0	3	
11,129.0	11,130.0		3.0	3	
11,149.0	11,150.0		3.0	3	
11,169.0	11,170.0		3.0	3	
11,189.0	11,190.0		3.0	3	
11,209.0	11,210.0		3.0	3	

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 10-17E 5H

Perforations					
Top (ftKB)	Btm (ftKB)	Linked Zone	Shot Dens (shots/ft)	Entered Shot Total	Com
11,229.0	11,230.0		3.0	3	
11,249.0	11,250.0		3.0	3	
11,269.0	11,270.0		3.0	3	
11,289.0	11,290.0		3.0	3	
11,309.0	11,310.0		3.0	3	
11,329.0	11,330.0		3.0	3	
11,349.0	11,350.0		3.0	3	
11,369.0	11,370.0		3.0	3	
11,389.0	11,390.0		3.0	3	
11,409.0	11,410.0		3.0	3	
11,429.0	11,430.0		3.0	3	
11,449.0	11,450.0		3.0	3	
11,469.0	11,470.0		3.0	3	
11,489.0	11,490.0		3.0	3	
11,509.0	11,510.0		3.0	3	
11,529.0	11,530.0		3.0	3	
11,549.0	11,550.0		3.0	3	
11,569.0	11,570.0		3.0	3	
11,589.0	11,590.0		3.0	3	
11,609.0	11,610.0		3.0	3	
11,629.0	11,630.0		3.0	3	
11,649.0	11,650.0		3.0	3	
11,669.0	11,670.0		3.0	3	
11,689.0	11,690.0		3.0	3	
11,709.0	11,710.0		3.0	3	
11,729.0	11,730.0		3.0	3	
11,749.0	11,750.0		3.0	3	
11,769.0	11,770.0		3.0	3	
11,789.0	11,790.0		3.0	3	
11,809.0	11,810.0		3.0	3	
11,829.0	11,830.0		3.0	3	
11,849.0	11,850.0		3.0	3	
11,869.0	11,870.0		3.0	3	
11,889.0	11,890.0		3.0	3	
11,909.0	11,910.0		3.0	3	
11,929.0	11,930.0		3.0	3	
11,949.0	11,950.0		3.0	3	
11,969.0	11,970.0		3.0	3	
11,989.0	11,990.0		3.0	3	
12,009.0	12,010.0		3.0	3	
12,029.0	12,030.0		3.0	3	
12,049.0	12,050.0		3.0	3	
12,069.0	12,070.0		3.0	3	
12,089.0	12,090.0		3.0	3	
12,109.0	12,110.0		3.0	3	
12,129.0	12,130.0		3.0	3	
12,149.0	12,150.0		3.0	3	
12,169.0	12,170.0		3.0	3	
12,189.0	12,190.0		3.0	3	
12,209.0	12,210.0		3.0	3	
12,229.0	12,230.0		3.0	3	
12,249.0	12,250.0		3.0	3	
12,269.0	12,270.0		3.0	3	
12,289.0	12,290.0		3.0	3	
12,309.0	12,310.0		3.0	3	
12,329.0	12,330.0		3.0	3	
12,349.0	12,350.0		3.0	3	
12,369.0	12,370.0		3.0	3	

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 10-17E 5H

Perforations					
Top (ftKB)	Btm (ftKB)	Linked Zone	Shot Dens (shots/ft)	Entered Shot Total	Com
12,389.0	12,390.0		3.0	3	
12,409.0	12,410.0		3.0	3	
12,429.0	12,430.0		3.0	3	
12,449.0	12,450.0		3.0	3	
12,469.0	12,470.0		3.0	3	
12,489.0	12,490.0		3.0	3	
12,509.0	12,510.0		3.0	3	
12,529.0	12,530.0		3.0	3	
12,549.0	12,550.0		3.0	3	
12,569.0	12,570.0		3.0	3	
12,589.0	12,590.0		3.0	3	
12,609.0	12,610.0		3.0	3	
12,629.0	12,630.0		3.0	3	
12,649.0	12,650.0		3.0	3	
12,669.0	12,670.0		3.0	3	
12,689.0	12,690.0		3.0	3	
12,709.0	12,710.0		3.0	3	
12,729.0	12,730.0		3.0	3	
12,749.0	12,750.0		3.0	3	
12,769.0	12,770.0		3.0	3	
12,789.0	12,790.0		3.0	3	
12,809.0	12,810.0		3.0	3	
12,829.0	12,830.0		3.0	3	
12,849.0	12,850.0		3.0	3	
12,869.0	12,870.0		3.0	3	
12,889.0	12,890.0		3.0	3	
12,909.0	12,910.0		3.0	3	
12,929.0	12,930.0		3.0	3	
12,949.0	12,950.0		3.0	3	
12,969.0	12,970.0		3.0	3	
12,989.0	12,990.0		3.0	3	
13,009.0	13,010.0		3.0	3	
13,029.0	13,030.0		3.0	3	
13,049.0	13,050.0		3.0	3	
13,069.0	13,070.0		3.0	3	
13,089.0	13,090.0		3.0	3	
13,109.0	13,110.0		3.0	3	
13,129.0	13,130.0		3.0	3	
13,149.0	13,150.0		3.0	3	
13,169.0	13,170.0		3.0	3	
13,189.0	13,190.0		3.0	3	
13,209.0	13,210.0		3.0	3	
13,229.0	13,230.0		3.0	3	
13,249.0	13,250.0		3.0	3	
13,269.0	13,270.0		3.0	3	
13,289.0	13,290.0		3.0	3	
13,309.0	13,310.0		3.0	3	
13,329.0	13,330.0		3.0	3	
13,349.0	13,350.0		3.0	3	
13,369.0	13,370.0		3.0	3	
13,389.0	13,390.0		3.0	3	
13,409.0	13,410.0		3.0	3	
13,429.0	13,430.0		3.0	3	
13,449.0	13,450.0		3.0	3	
13,469.0	13,470.0		3.0	3	
13,489.0	13,490.0		3.0	3	
13,509.0	13,510.0		3.0	3	
13,529.0	13,530.0		3.0	3	

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 10-17E 5H

Perforations					
Top (ftKB)	Btm (ftKB)	Linked Zone	Shot Dens (shots/ft)	Entered Shot Total	Com
13,549.0	13,550.0		3.0	3	
13,569.0	13,570.0		3.0	3	
13,589.0	13,590.0		3.0	3	
13,609.0	13,610.0		3.0	3	
13,629.0	13,630.0		3.0	3	
13,649.0	13,650.0		3.0	3	
13,669.0	13,670.0		3.0	3	
13,689.0	13,690.0		3.0	3	
13,709.0	13,710.0		3.0	3	
13,729.0	13,730.0		3.0	3	
13,749.0	13,750.0		3.0	3	
13,769.0	13,770.0		3.0	3	
13,789.0	13,790.0		3.0	3	
13,809.0	13,810.0		3.0	3	
13,829.0	13,830.0		3.0	3	
13,849.0	13,850.0		3.0	3	
13,869.0	13,870.0		3.0	3	
13,889.0	13,890.0		3.0	3	
13,909.0	13,910.0		3.0	3	
13,929.0	13,930.0		3.0	3	
13,949.0	13,950.0		3.0	3	
13,969.0	13,970.0		3.0	3	
13,989.0	13,990.0		3.0	3	
14,009.0	14,010.0		3.0	3	
14,029.0	14,030.0		3.0	3	
14,049.0	14,050.0		3.0	3	
14,069.0	14,070.0		3.0	3	
14,089.0	14,090.0		3.0	3	
14,109.0	14,110.0		3.0	3	
14,129.0	14,130.0		3.0	3	
14,149.0	14,150.0		3.0	3	
14,169.0	14,170.0		3.0	3	
14,189.0	14,190.0		3.0	3	
14,209.0	14,210.0		3.0	3	
14,229.0	14,230.0		3.0	3	
14,249.0	14,250.0		3.0	3	
14,269.0	14,270.0		3.0	3	
14,289.0	14,290.0		3.0	3	
14,309.0	14,310.0		3.0	3	
14,329.0	14,330.0		3.0	3	
14,349.0	14,350.0		3.0	3	
14,369.0	14,370.0		3.0	3	
14,389.0	14,390.0		3.0	3	
14,409.0	14,410.0		3.0	3	
14,429.0	14,430.0		3.0	3	
14,449.0	14,450.0		3.0	3	
14,469.0	14,470.0		3.0	3	
14,489.0	14,490.0		3.0	3	
14,509.0	14,510.0		3.0	3	
14,529.0	14,530.0		3.0	3	
14,549.0	14,550.0		3.0	3	
14,569.0	14,570.0		3.0	3	
14,589.0	14,590.0		3.0	3	
14,609.0	14,610.0		3.0	3	
14,629.0	14,630.0		3.0	3	
14,649.0	14,650.0		3.0	3	
14,669.0	14,670.0		3.0	3	
14,689.0	14,690.0		3.0	3	

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 10-17E 5H

Perforations					
Top (ftKB)	Btm (ftKB)	Linked Zone	Shot Dens (shots/ft)	Entered Shot Total	Com
14,709.0	14,710.0		3.0	3	
14,729.0	14,730.0		3.0	3	
14,749.0	14,750.0		3.0	3	
14,769.0	14,770.0		3.0	3	
14,789.0	14,790.0		3.0	3	
14,809.0	14,810.0		3.0	3	
14,829.0	14,830.0		3.0	3	
14,849.0	14,850.0		3.0	3	
14,869.0	14,870.0		3.0	3	
14,889.0	14,890.0		3.0	3	
14,909.0	14,910.0		3.0	3	
14,929.0	14,930.0		3.0	3	
14,949.0	14,950.0		3.0	3	
14,969.0	14,970.0		3.0	3	
14,989.0	14,990.0		3.0	3	
15,009.0	15,010.0		3.0	3	
15,029.0	15,030.0		3.0	3	
15,049.0	15,050.0		3.0	3	
15,069.0	15,070.0		3.0	3	
15,089.0	15,090.0		3.0	3	
15,109.0	15,110.0		3.0	3	
15,129.0	15,130.0		3.0	3	
15,149.0	15,150.0		3.0	3	
15,169.0	15,170.0		3.0	3	
15,189.0	15,190.0		3.0	3	
15,209.0	15,210.0		3.0	3	
15,229.0	15,230.0		3.0	3	
15,249.0	15,250.0		3.0	3	
15,269.0	15,270.0		3.0	3	
15,289.0	15,290.0		3.0	3	
15,309.0	15,310.0		3.0	3	
15,329.0	15,330.0		3.0	3	
15,349.0	15,350.0		3.0	3	
15,369.0	15,370.0		3.0	3	
15,389.0	15,390.0		3.0	3	
15,409.0	15,410.0		3.0	3	
15,429.0	15,430.0		3.0	3	
15,449.0	15,450.0		3.0	3	
15,469.0	15,470.0		3.0	3	
15,489.0	15,490.0		3.0	3	
15,509.0	15,510.0		3.0	3	
15,529.0	15,530.0		3.0	3	
15,549.0	15,550.0		3.0	3	
15,569.0	15,570.0		3.0	3	
15,589.0	15,590.0		3.0	3	
15,609.0	15,610.0		3.0	3	
15,629.0	15,630.0		3.0	3	
15,649.0	15,650.0		3.0	3	
15,669.0	15,670.0		3.0	3	
15,689.0	15,690.0		3.0	3	
15,709.0	15,710.0		3.0	3	
15,729.0	15,730.0		3.0	3	
15,749.0	15,750.0		3.0	3	
15,769.0	15,770.0		3.0	3	
15,789.0	15,790.0		3.0	3	
15,809.0	15,810.0		3.0	3	
15,829.0	15,830.0		3.0	3	
15,849.0	15,850.0		3.0	3	

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 10-17E 5H

Perforations					
Top (ftKB)	Btm (ftKB)	Linked Zone	Shot Dens (shots/ft)	Entered Shot Total	Com
15,869.0	15,870.0		3.0	3	
15,889.0	15,890.0		3.0	3	
15,909.0	15,910.0		3.0	3	
15,929.0	15,930.0		3.0	3	
15,949.0	15,950.0		3.0	3	
15,969.0	15,970.0		3.0	3	
15,989.0	15,990.0		3.0	3	
16,009.0	16,010.0		3.0	3	
16,029.0	16,030.0		3.0	3	
16,049.0	16,050.0		3.0	3	
16,069.0	16,070.0		3.0	3	
16,089.0	16,090.0		3.0	3	
16,109.0	16,110.0		3.0	3	
16,129.0	16,130.0		3.0	3	
16,149.0	16,150.0		3.0	3	
16,169.0	16,170.0		3.0	3	
16,189.0	16,190.0		3.0	3	
16,209.0	16,210.0		3.0	3	
16,229.0	16,230.0		3.0	3	
16,249.0	16,250.0		3.0	3	
16,269.0	16,270.0		3.0	3	
16,289.0	16,290.0		3.0	3	
16,309.0	16,310.0		3.0	3	
16,329.0	16,330.0		3.0	3	
16,349.0	16,350.0		3.0	3	
16,369.0	16,370.0		3.0	3	
16,389.0	16,390.0		3.0	3	
16,409.0	16,410.0		3.0	3	
16,429.0	16,430.0		3.0	3	
16,449.0	16,450.0		3.0	3	
16,469.0	16,470.0		3.0	3	
16,489.0	16,490.0		3.0	3	
16,509.0	16,510.0		3.0	3	
16,529.0	16,530.0		3.0	3	
16,549.0	16,550.0		3.0	3	
16,569.0	16,570.0		3.0	3	
16,589.0	16,590.0		3.0	3	
16,609.0	16,610.0		3.0	3	
16,629.0	16,630.0		3.0	3	
16,649.0	16,650.0		3.0	3	
16,669.0	16,670.0		3.0	3	
16,689.0	16,690.0		3.0	3	
16,709.0	16,710.0		3.0	3	
16,729.0	16,730.0		3.0	3	
16,749.0	16,750.0		3.0	3	
16,769.0	16,770.0		3.0	3	
16,789.0	16,790.0		3.0	3	
16,809.0	16,810.0		3.0	3	
16,829.0	16,830.0		3.0	3	
16,849.0	16,850.0		3.0	3	
16,869.0	16,870.0		3.0	3	
16,889.0	16,890.0		3.0	3	
16,909.0	16,910.0		3.0	3	
16,929.0	16,930.0		3.0	3	
16,949.0	16,950.0		3.0	3	
16,969.0	16,970.0		3.0	3	
16,989.0	16,990.0		3.0	3	
17,009.0	17,010.0		3.0	3	

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 10-17E 5H

Perforations							
Top (ftKB)	Btm (ftKB)	Linked Zone	Shot Dens (shots/ft)	Entered Shot Total	Com		
17,029.0	17,030.0		3.0	3			
17,049.0	17,050.0		3.0	3			
17,069.0	17,070.0		3.0	3			
17,089.0	17,090.0		3.0	3			
17,109.0	17,110.0		3.0	3			
17,129.0	17,130.0		3.0	3			
17,149.0	17,150.0		3.0	3			
Stimulations & Treatments (Actual)							
1, <Zone?>							
Date 12/5/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 16,969.0	Bottom Depth (ftKB) 17,150.0	Proppant Total (lb) 339,831.0	Total Clean Vol (bbl) 10,711.90	
2, <Zone?>							
Date 12/6/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 16,769.0	Bottom Depth (ftKB) 16,950.0	Proppant Total (lb) 340,275.5	Total Clean Vol (bbl) 10,610.90	
3, <Zone?>							
Date 12/6/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 16,569.0	Bottom Depth (ftKB) 16,750.0	Proppant Total (lb) 340,412.5	Total Clean Vol (bbl) 10,529.90	
4, <Zone?>							
Date 12/6/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 16,369.0	Bottom Depth (ftKB) 16,550.0	Proppant Total (lb) 339,925.0	Total Clean Vol (bbl) 10,362.90	
5, <Zone?>							
Date 12/7/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 16,169.0	Bottom Depth (ftKB) 16,350.0	Proppant Total (lb) 340,055.0	Total Clean Vol (bbl) 10,363.90	
6, <Zone?>							
Date 12/7/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 15,969.0	Bottom Depth (ftKB) 16,150.0	Proppant Total (lb) 340,176.0	Total Clean Vol (bbl) 10,631.00	
7, <Zone?>							
Date 12/7/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 15,769.0	Bottom Depth (ftKB) 15,950.0	Proppant Total (lb) 340,223.0	Total Clean Vol (bbl) 10,559.00	
8, <Zone?>							
Date 12/7/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 15,569.0	Bottom Depth (ftKB) 15,750.0	Proppant Total (lb) 340,147.0	Total Clean Vol (bbl) 10,373.00	
9, <Zone?>							
Date 12/8/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 15,369.0	Bottom Depth (ftKB) 15,550.0	Proppant Total (lb) 340,270.0	Total Clean Vol (bbl) 10,353.00	
10, <Zone?>							
Date 12/8/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 15,169.0	Bottom Depth (ftKB) 15,350.0	Proppant Total (lb) 340,266.5	Total Clean Vol (bbl) 10,235.00	
11, <Zone?>							
Date 12/8/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 14,969.0	Bottom Depth (ftKB) 15,150.0	Proppant Total (lb) 340,121.5	Total Clean Vol (bbl) 10,394.00	
12, <Zone?>							
Date 12/8/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 14,769.0	Bottom Depth (ftKB) 14,950.0	Proppant Total (lb) 340,109.0	Total Clean Vol (bbl) 10,373.00	
13, <Zone?>							
Date 12/9/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 14,569.0	Bottom Depth (ftKB) 14,750.0	Proppant Total (lb) 340,313.0	Total Clean Vol (bbl) 10,283.00	
14, <Zone?>							
Date 12/9/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 14,369.0	Bottom Depth (ftKB) 14,550.0	Proppant Total (lb) 340,183.5	Total Clean Vol (bbl) 9,925.00	

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 10-17E 5H

Stimulations & Treatments (Actual)						
15, <Zone?>						
Date 12/9/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 14,169.0	Bottom Depth (ftKB) 14,350.0	Proppant Total (lb) 340,107.0	Total Clean Vol (bbl) 10,321.00
16, <Zone?>						
Date 12/9/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 13,969.0	Bottom Depth (ftKB) 14,150.0	Proppant Total (lb) 340,031.0	Total Clean Vol (bbl) 10,178.00
17, <Zone?>						
Date 12/9/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 13,769.0	Bottom Depth (ftKB) 13,950.0	Proppant Total (lb) 340,330.0	Total Clean Vol (bbl) 10,314.00
18, <Zone?>						
Date 12/10/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 13,569.0	Bottom Depth (ftKB) 13,750.0	Proppant Total (lb) 340,166.5	Total Clean Vol (bbl) 10,090.00
19, <Zone?>						
Date 12/10/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 13,369.0	Bottom Depth (ftKB) 13,550.0	Proppant Total (lb) 340,095.0	Total Clean Vol (bbl) 9,866.00
20, <Zone?>						
Date 12/10/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 13,169.0	Bottom Depth (ftKB) 13,350.0	Proppant Total (lb) 340,180.0	Total Clean Vol (bbl) 10,265.00
21, <Zone?>						
Date 12/10/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 12,969.0	Bottom Depth (ftKB) 13,150.0	Proppant Total (lb) 340,450.0	Total Clean Vol (bbl) 10,253.00
22, <Zone?>						
Date 12/11/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 12,769.0	Bottom Depth (ftKB) 12,950.0	Proppant Total (lb) 340,135.5	Total Clean Vol (bbl) 10,209.00
23, <Zone?>						
Date 12/11/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 12,569.0	Bottom Depth (ftKB) 12,750.0	Proppant Total (lb) 340,163.5	Total Clean Vol (bbl) 10,054.00
24, <Zone?>						
Date 12/11/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 12,369.0	Bottom Depth (ftKB) 12,550.0	Proppant Total (lb) 340,194.0	Total Clean Vol (bbl) 10,298.00
25, <Zone?>						
Date 12/12/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 12,169.0	Bottom Depth (ftKB) 12,350.0	Proppant Total (lb) 340,237.0	Total Clean Vol (bbl) 10,367.00
26, <Zone?>						
Date 12/12/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 11,969.0	Bottom Depth (ftKB) 12,150.0	Proppant Total (lb) 340,171.0	Total Clean Vol (bbl) 10,233.00
27, <Zone?>						
Date 12/12/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 11,769.0	Bottom Depth (ftKB) 11,950.0	Proppant Total (lb) 340,143.5	Total Clean Vol (bbl) 10,076.00
28, <Zone?>						
Date 12/12/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 11,569.0	Bottom Depth (ftKB) 11,750.0	Proppant Total (lb) 340,302.0	Total Clean Vol (bbl) 10,173.00
29, <Zone?>						
Date 12/12/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 11,369.0	Bottom Depth (ftKB) 11,550.0	Proppant Total (lb) 340,256.0	Total Clean Vol (bbl) 10,055.00
30, <Zone?>						
Date 12/13/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 11,169.0	Bottom Depth (ftKB) 11,350.0	Proppant Total (lb) 340,494.5	Total Clean Vol (bbl) 9,865.00
31, <Zone?>						
Date 12/13/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 10,969.0	Bottom Depth (ftKB) 11,150.0	Proppant Total (lb) 340,132.0	Total Clean Vol (bbl) 10,269.00

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 10-17E 5H

Stimulations & Treatments (Actual)						
32, <Zone?>						
Date 12/13/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 10,769.0	Bottom Depth (ftKB) 10,950.0	Proppant Total (lb) 340,109.0	Total Clean Vol (bbl) 10,290.00
33, <Zone?>						
Date 12/13/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 10,569.0	Bottom Depth (ftKB) 10,750.0	Proppant Total (lb) 340,127.0	Total Clean Vol (bbl) 11,191.00
34, <Zone?>						
Date 12/14/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 10,369.0	Bottom Depth (ftKB) 10,550.0	Proppant Total (lb) 340,204.5	Total Clean Vol (bbl) 10,367.00
35, <Zone?>						
Date 12/14/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 10,169.0	Bottom Depth (ftKB) 10,350.0	Proppant Total (lb) 340,364.0	Total Clean Vol (bbl) 10,153.00
36, <Zone?>						
Date 12/14/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 9,969.0	Bottom Depth (ftKB) 10,150.0	Proppant Total (lb) 338,484.0	Total Clean Vol (bbl) 11,624.00
37, <Zone?>						
Date 12/15/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 9,769.0	Bottom Depth (ftKB) 9,950.0	Proppant Total (lb) 339,875.0	Total Clean Vol (bbl) 10,354.00
38, <Zone?>						
Date 12/15/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 9,569.0	Bottom Depth (ftKB) 9,750.0	Proppant Total (lb) 339,885.0	Total Clean Vol (bbl) 10,295.00
39, <Zone?>						
Date 12/15/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 9,369.0	Bottom Depth (ftKB) 9,550.0	Proppant Total (lb) 340,090.0	Total Clean Vol (bbl) 10,350.00
40, <Zone?>						
Date 12/15/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 9,169.0	Bottom Depth (ftKB) 9,350.0	Proppant Total (lb) 340,099.0	Total Clean Vol (bbl) 10,287.00
41, <Zone?>						
Date 12/16/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 8,969.0	Bottom Depth (ftKB) 9,150.0	Proppant Total (lb) 340,359.0	Total Clean Vol (bbl) 9,804.00
42, <Zone?>						
Date 12/16/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 8,769.0	Bottom Depth (ftKB) 8,950.0	Proppant Total (lb) 340,595.0	Total Clean Vol (bbl) 10,179.00
43, <Zone?>						
Date 12/16/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 8,569.0	Bottom Depth (ftKB) 8,750.0	Proppant Total (lb) 340,561.0	Total Clean Vol (bbl) 10,090.00
44, <Zone?>						
Date 12/16/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 8,369.0	Bottom Depth (ftKB) 8,550.0	Proppant Total (lb) 340,197.0	Total Clean Vol (bbl) 9,909.00
45, <Zone?>						
Date 12/17/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 8,169.0	Bottom Depth (ftKB) 8,350.0	Proppant Total (lb) 340,313.0	Total Clean Vol (bbl) 10,247.00
46, <Zone?>						
Date 12/17/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 7,969.0	Bottom Depth (ftKB) 8,150.0	Proppant Total (lb) 340,275.0	Total Clean Vol (bbl) 10,077.00
47, <Zone?>						
Date 12/17/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 7,769.0	Bottom Depth (ftKB) 7,950.0	Proppant Total (lb) 339,935.0	Total Clean Vol (bbl) 10,345.00
48, <Zone?>						
Date 12/17/2021	Type HYDRAULIC FRACTURE	Stim/Treat Company PROPETRO	Top Depth (ftKB) 7,569.0	Bottom Depth (ftKB) 7,750.0	Proppant Total (lb) 344,614.0	Total Clean Vol (bbl) 9,948.00

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 10-17E 5H

Zones										
Zone Name								Top (ftKB)		
Tubing Details										
Tubing Description PRODUCTION TBG - GLV						Set Depth (ftKB) 7,257.1		Run Date 1/3/2022		
Tubing Components										
Item Des	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Jts	Top (ftKB)	Btm (ftKB)			
HANGER	7	6.50	L-80	0.50	1	25.0	25.5			
TUBING	2 7/8	6.50	L-80	1,760.40	54	25.5	1,785.9			
GAS LIFT MANDREL - CONVENTIONAL	4.3333	6.50	L-80	4.10	1	1,785.9	1,790.0			
TUBING	2 7/8	6.50	L-80	976.50	30	1,790.0	2,766.5			
GAS LIFT MANDREL - CONVENTIONAL	4.3333	6.50	L-80	4.10	1	2,766.5	2,770.6			
TUBING	2 7/8	6.50	L-80	654.30	20	2,770.6	3,424.9			
GAS LIFT MANDREL - CONVENTIONAL	4.3333	6.50	L-80	4.10	1	3,424.9	3,429.0			
TUBING	2 7/8	6.50	L-80	683.55	21	3,429.0	4,112.6			
GAS LIFT MANDREL - CONVENTIONAL	4.3333	6.50	L-80	4.10	1	4,112.6	4,116.7			
TUBING	2 7/8	6.50	L-80	652.95	20	4,116.7	4,769.6			
GAS LIFT MANDREL - CONVENTIONAL	4.3333	6.50	L-80	4.10	1	4,769.6	4,773.7			
TUBING	2 7/8	6.50	L-80	618.45	19	4,773.7	5,392.2			
GAS LIFT MANDREL - CONVENTIONAL	4.3333	6.50	L-80	4.10	1	5,392.2	5,396.3			
TUBING	2 7/8	6.50	L-80	655.12	20	5,396.3	6,051.4			
GAS LIFT MANDREL - CONVENTIONAL	4.3333	6.50	L-80	4.10	1	6,051.4	6,055.5			
TUBING	2 7/8	6.50	L-80	619.40	19	6,055.5	6,674.9			
GAS LIFT MANDREL - CONVENTIONAL	4.3333	6.50	L-80	4.10	1	6,674.9	6,679.0			
TUBING	2 7/8	6.50	L-80	457.68	14	6,679.0	7,136.7			
PROFILE NIPPLE	3.6667	6.50	L-80	1.10	1	7,136.7	7,137.8			
TUBING	2 7/8	6.50	L-80	32.70	1	7,137.8	7,170.5			
GAS LIFT MANDREL - CONVENTIONAL	4.3333	6.50	L-80	4.10	1	7,170.5	7,174.6			
TUBING	3.6667	6.50	L-80	32.70	1	7,174.6	7,207.3			
PRESSURE GAUGE SENSOR	2 7/8	6.50	L-80	4.10	1	7,207.3	7,211.4			
CHEMICAL INJECTION MANDREL	3.6667	6.50	L-80	4.10	1	7,211.4	7,215.5			
ENDURALLOY TUBING	2 7/8	6.50	L-80	32.05	1	7,215.5	7,247.5			
ON/OFF TOOL	3.6667	6.50	L-80	1.48	1	7,247.5	7,249.0			
STINGER	3.07	6.50	L-80	0.30	1	7,249.0	7,249.3			
PACKER	4.566	6.50	L-80	7.32	1	7,249.3	7,256.6			
MULE SHOE	3.6667	6.50	L-80	0.50	1	7,256.6	7,257.1			
Rod Strings										
Rod Description						Set Depth (ftKB)		Run Date		
Rod Components										
Item Des	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Jts	Top (ftKB)	Btm (ftKB)	Make	Model	SN
Other In Hole										
Des	Top (ftKB)	Btm (ftKB)	OD (in)	Run Date	Pull Date	Com	String	Wellbore		
BRIDGE PLUG	17,153.0	17,155.0	4.38	11/18/2021		STG 1	PRODUCTION, 17,168.6ftKB	ORIGINAL		
FRAC PLUG	16,958.0	16,960.0	4.37	12/5/2021	1/2/2022	STG 2	PRODUCTION, 17,168.6ftKB	ORIGINAL		
FRAC PLUG	16,758.0	16,760.0	4.37	12/6/2021	1/2/2022	STG 3	PRODUCTION, 17,168.6ftKB	ORIGINAL		
FRAC PLUG	16,558.0	16,560.0	4.37	12/6/2021	1/2/2022	STG 4	PRODUCTION, 17,168.6ftKB	ORIGINAL		
FRAC PLUG	16,358.0	16,360.0	4.37	12/6/2021	1/2/2022	STG 5	PRODUCTION, 17,168.6ftKB	ORIGINAL		
FRAC PLUG	16,158.0	16,160.0	4.37	12/7/2021	1/2/2022	STG 6	PRODUCTION, 17,168.6ftKB	ORIGINAL		
FRAC PLUG	15,958.0	15,960.0	4.37	12/7/2021	1/2/2022	STG 7	PRODUCTION, 17,168.6ftKB	ORIGINAL		
FRAC PLUG	15,758.0	15,760.0	4.37	12/7/2021	1/1/2022	STG 8	PRODUCTION, 17,168.6ftKB	ORIGINAL		
FRAC PLUG	15,558.0	15,560.0	4.37	12/7/2021	1/1/2022	STG 9	PRODUCTION, 17,168.6ftKB	ORIGINAL		

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 10-17E 5H

Other In Hole								
Des	Top (ftKB)	Btm (ftKB)	OD (in)	Run Date	Pull Date	Com	String	Wellbore
FRAC PLUG	15,358.0	15,360.0	4.37	12/8/2021	1/1/2022	STG 10	PRODUCTION, 17,168.6ftKB	ORIGINAL
FRAC PLUG	15,158.0	15,160.0	4.37	12/8/2021	1/1/2022	STG 11	PRODUCTION, 17,168.6ftKB	ORIGINAL
FRAC PLUG	14,958.0	14,960.0	4.37	12/8/2021	1/1/2022	STG 12	PRODUCTION, 17,168.6ftKB	ORIGINAL
FRAC PLUG	14,758.0	14,760.0	4.37	12/8/2021	1/1/2022	STG 13	PRODUCTION, 17,168.6ftKB	ORIGINAL
FRAC PLUG	14,558.0	14,560.0	4.37	12/9/2021	1/1/2022	STG 14	PRODUCTION, 17,168.6ftKB	ORIGINAL
FRAC PLUG	14,358.0	14,360.0	4.37	12/9/2021	1/1/2022	STG 15	PRODUCTION, 17,168.6ftKB	ORIGINAL
FRAC PLUG	14,158.0	14,160.0	4.37	12/9/2021	1/1/2022	STG 16	PRODUCTION, 17,168.6ftKB	ORIGINAL
FRAC PLUG	13,958.0	13,960.0	4.37	12/9/2021	1/1/2022	STG 17	PRODUCTION, 17,168.6ftKB	ORIGINAL
FRAC PLUG	13,758.0	13,760.0	4.37	12/10/2021	1/1/2022	STG 18	PRODUCTION, 17,168.6ftKB	ORIGINAL
FRAC PLUG	13,558.0	13,560.0	4.37	12/10/2021	1/1/2022	STG 19	PRODUCTION, 17,168.6ftKB	ORIGINAL
FRAC PLUG	13,358.0	13,360.0	4.37	12/10/2021	1/1/2022	STG 20	PRODUCTION, 17,168.6ftKB	ORIGINAL
FRAC PLUG	13,158.0	13,160.0	4.37	12/10/2021	1/1/2022	STG 21	PRODUCTION, 17,168.6ftKB	ORIGINAL
FRAC PLUG	12,958.0	12,960.0	4.37	12/11/2021	1/1/2022	STG 22	PRODUCTION, 17,168.6ftKB	ORIGINAL
FRAC PLUG	12,758.0	12,760.0	4.37	12/11/2021	1/1/2022	STG 23	PRODUCTION, 17,168.6ftKB	ORIGINAL
FRAC PLUG	12,558.0	12,560.0	4.37	12/11/2021	1/1/2022	STG 24	PRODUCTION, 17,168.6ftKB	ORIGINAL
FRAC PLUG	12,358.0	12,360.0	4.37	12/11/2021	1/1/2022	STG 25	PRODUCTION, 17,168.6ftKB	ORIGINAL
FRAC PLUG	12,158.0	12,160.0	4.37	12/12/2021	1/1/2022	STG 26	PRODUCTION, 17,168.6ftKB	ORIGINAL
FRAC PLUG	11,958.0	11,960.0	4.37	12/12/2021	1/1/2022	STG 27	PRODUCTION, 17,168.6ftKB	ORIGINAL
FRAC PLUG	11,758.0	11,760.0	4.37	12/12/2021	1/1/2022	STG 28	PRODUCTION, 17,168.6ftKB	ORIGINAL
FRAC PLUG	11,558.0	11,560.0	4.37	12/12/2021	1/1/2022	STG 29	PRODUCTION, 17,168.6ftKB	ORIGINAL
FRAC PLUG	11,358.0	11,360.0	4.37	12/13/2021	1/1/2022	STG 30	PRODUCTION, 17,168.6ftKB	ORIGINAL
FRAC PLUG	11,158.0	11,160.0	4.37	12/13/2021	1/1/2022	STG 31	PRODUCTION, 17,168.6ftKB	ORIGINAL
FRAC PLUG	10,958.0	10,960.0	4.37	12/13/2021	1/1/2022	STG 32	PRODUCTION, 17,168.6ftKB	ORIGINAL
FRAC PLUG	10,758.0	10,760.0	4.37	12/13/2021	1/1/2022	STG 33	PRODUCTION, 17,168.6ftKB	ORIGINAL
FRAC PLUG	10,558.0	10,560.0	4.37	12/14/2021	1/1/2022	STG 34	PRODUCTION, 17,168.6ftKB	ORIGINAL
FRAC PLUG	10,358.0	10,360.0	4.37	12/14/2021	1/1/2022	STG 35	PRODUCTION, 17,168.6ftKB	ORIGINAL
FRAC PLUG	10,158.0	10,160.0	4.37	12/14/2021	1/1/2022	STG 36	PRODUCTION, 17,168.6ftKB	ORIGINAL
FRAC PLUG	9,958.0	9,960.0	4.37	12/15/2021	1/1/2022	STG 37	PRODUCTION, 17,168.6ftKB	ORIGINAL
FRAC PLUG	9,758.0	9,760.0	4.37	12/15/2021	1/1/2022	STG 38	PRODUCTION, 17,168.6ftKB	ORIGINAL
FRAC PLUG	9,558.0	9,560.0	4.37	12/15/2021	1/1/2022	STG 39	PRODUCTION, 17,168.6ftKB	ORIGINAL
FRAC PLUG	9,358.0	9,360.0	4.37	12/15/2021	1/1/2022	STG 40	PRODUCTION, 17,168.6ftKB	ORIGINAL

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 10-17E 5H

Other In Hole								
Des	Top (ftKB)	Btm (ftKB)	OD (in)	Run Date	Pull Date	Com	String	Wellbore
FRAC PLUG	9,158.0	9,160.0	4.37	12/15/2021	1/1/2022	STG 41	PRODUCTION, 17,168.6ftKB	ORIGINAL
FRAC PLUG	8,958.0	8,960.0	4.37	12/16/2021	1/1/2022	STG 42	PRODUCTION, 17,168.6ftKB	ORIGINAL
FRAC PLUG	8,758.0	8,760.0	4.37	12/16/2021	1/1/2022	STG 43	PRODUCTION, 17,168.6ftKB	ORIGINAL
FRAC PLUG	8,558.0	8,560.0	4.37	12/16/2021	1/1/2022	STG 44	PRODUCTION, 17,168.6ftKB	ORIGINAL
FRAC PLUG	8,358.0	8,360.0	4.37	12/16/2021	1/1/2022	STG 45	PRODUCTION, 17,168.6ftKB	ORIGINAL
FRAC PLUG	8,158.0	8,160.0	4.37	12/17/2021	1/1/2022	STG 46	PRODUCTION, 17,168.6ftKB	ORIGINAL
FRAC PLUG	7,958.0	7,960.0	4.37	12/17/2021	1/1/2022	STG 47	PRODUCTION, 17,168.6ftKB	ORIGINAL
FRAC PLUG	7,758.0	7,760.0	4.37	12/17/2021	1/1/2022	STG 48	PRODUCTION, 17,168.6ftKB	ORIGINAL
BRIDGE PLUG	7,518.0	7,520.0	3.97	12/17/2021	1/1/2022	KP #1	PRODUCTION, 17,168.6ftKB	ORIGINAL

Well Tests

Description					Volume Oil Total (bbl)	Volume Gas Total (MCF)	Volume Water Total (bbl)	
COMPLETION IP								
Start Date	End Date	Sz Dia Choke (1/64")	P Tub End (psi)	P Cas End (psi)	Com	Vol Oil Tot (bbl)	Vol Gas Tot (MCF)	Vol Water Tot (bbl)
2/13/2022					IP'D WELL 2/13/2022 W/40.0 DEG GRAVITY.			

Directional Survey

Date		Description					
10/26/2021		FINAL SURVEY					
Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	Unwrap Displace (ft)	Survey Company	
10/26/2021	25.00	0.00	0.00	25.00	0.00	GORDON TECHNOLOGIES	
10/26/2021	148.00	0.60	57.40	148.00	0.64	GORDON TECHNOLOGIES	
10/26/2021	236.00	0.80	60.80	235.99	1.72	GORDON TECHNOLOGIES	
10/26/2021	322.00	0.70	41.60	321.98	2.83	GORDON TECHNOLOGIES	
10/26/2021	412.00	0.60	352.70	411.98	3.76	GORDON TECHNOLOGIES	
10/26/2021	506.00	0.50	227.90	505.98	4.18	GORDON TECHNOLOGIES	
10/26/2021	600.00	2.20	169.90	599.95	6.23	GORDON TECHNOLOGIES	
10/26/2021	695.00	3.50	163.80	694.83	10.95	GORDON TECHNOLOGIES	
10/26/2021	789.00	3.40	156.60	788.66	16.60	GORDON TECHNOLOGIES	
10/26/2021	853.00	2.90	154.30	852.56	20.11	GORDON TECHNOLOGIES	
10/26/2021	960.00	1.42	144.44	959.48	24.13	GORDON TECHNOLOGIES	
10/26/2021	1,053.00	2.69	154.66	1,052.42	27.46	GORDON TECHNOLOGIES	
10/26/2021	1,144.00	5.65	162.38	1,143.17	34.06	GORDON TECHNOLOGIES	
10/26/2021	1,234.00	7.35	165.78	1,232.59	44.24	GORDON TECHNOLOGIES	
10/26/2021	1,325.00	7.39	165.82	1,322.84	55.92	GORDON TECHNOLOGIES	
10/26/2021	1,416.00	8.58	163.86	1,412.96	68.55	GORDON TECHNOLOGIES	
10/26/2021	1,505.00	10.52	161.95	1,500.72	83.32	GORDON TECHNOLOGIES	
10/26/2021	1,595.00	10.95	158.93	1,589.14	100.08	GORDON TECHNOLOGIES	
10/26/2021	1,686.00	12.20	154.68	1,678.29	118.32	GORDON TECHNOLOGIES	
10/26/2021	1,778.00	11.99	156.04	1,768.25	137.60	GORDON TECHNOLOGIES	
10/26/2021	1,869.00	11.95	156.15	1,857.27	156.47	GORDON TECHNOLOGIES	
10/26/2021	1,962.00	11.93	152.25	1,948.26	175.70	GORDON TECHNOLOGIES	
10/26/2021	2,053.00	12.24	149.96	2,037.25	194.75	GORDON TECHNOLOGIES	
10/26/2021	2,143.00	12.18	150.63	2,125.21	213.78	GORDON TECHNOLOGIES	
10/26/2021	2,235.00	11.98	150.36	2,215.17	233.04	GORDON TECHNOLOGIES	
10/26/2021	2,326.00	11.84	150.69	2,304.21	251.82	GORDON TECHNOLOGIES	
10/26/2021	2,418.00	11.83	151.16	2,394.26	270.69	GORDON TECHNOLOGIES	
10/26/2021	2,509.00	11.79	151.92	2,483.33	289.31	GORDON TECHNOLOGIES	
10/26/2021	2,599.00	11.68	152.29	2,571.45	307.62	GORDON TECHNOLOGIES	
10/26/2021	2,691.00	11.51	152.48	2,661.57	326.11	GORDON TECHNOLOGIES	
10/26/2021	2,781.00	11.38	153.11	2,749.78	343.96	GORDON TECHNOLOGIES	
10/26/2021	2,870.00	11.35	153.52	2,837.04	361.50	GORDON TECHNOLOGIES	
10/26/2021	2,961.00	11.41	153.72	2,926.25	379.46	GORDON TECHNOLOGIES	

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 10-17E 5H

Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	Unwrap Displace (ft)	Survey Company
10/26/2021	3,052.00	11.51	153.76	3,015.43	397.54	GORDON TECHNOLOGIES
10/26/2021	3,142.00	11.63	154.32	3,103.61	415.59	GORDON TECHNOLOGIES
10/26/2021	3,234.00	11.69	153.91	3,193.71	434.18	GORDON TECHNOLOGIES
10/26/2021	3,324.00	10.65	153.33	3,282.00	451.62	GORDON TECHNOLOGIES
10/26/2021	3,413.00	10.08	151.93	3,369.55	467.63	GORDON TECHNOLOGIES
10/26/2021	3,504.00	10.19	151.39	3,459.13	483.64	GORDON TECHNOLOGIES
10/26/2021	3,595.00	10.12	151.56	3,548.70	499.69	GORDON TECHNOLOGIES
10/26/2021	3,776.00	8.29	148.50	3,727.37	528.63	GORDON TECHNOLOGIES
10/26/2021	3,866.00	7.58	148.98	3,816.50	541.05	GORDON TECHNOLOGIES
10/26/2021	3,957.00	6.98	147.81	3,906.77	552.58	GORDON TECHNOLOGIES
10/26/2021	4,048.00	6.28	146.92	3,997.16	563.09	GORDON TECHNOLOGIES
10/26/2021	4,138.00	5.86	146.51	4,086.66	572.61	GORDON TECHNOLOGIES
10/26/2021	4,230.00	5.56	146.41	4,178.20	581.76	GORDON TECHNOLOGIES
10/26/2021	4,320.00	5.17	144.48	4,267.81	590.17	GORDON TECHNOLOGIES
10/26/2021	4,411.00	5.11	144.80	4,358.44	598.33	GORDON TECHNOLOGIES
10/26/2021	4,501.00	4.82	144.55	4,448.10	606.12	GORDON TECHNOLOGIES
10/26/2021	4,592.00	4.50	143.62	4,538.80	613.51	GORDON TECHNOLOGIES
10/26/2021	4,683.00	4.13	141.98	4,629.54	620.35	GORDON TECHNOLOGIES
10/26/2021	4,775.00	3.76	141.92	4,721.32	626.68	GORDON TECHNOLOGIES
10/26/2021	4,864.00	3.37	142.28	4,810.15	632.22	GORDON TECHNOLOGIES
10/26/2021	4,955.00	2.91	137.69	4,901.02	637.20	GORDON TECHNOLOGIES
10/26/2021	5,046.00	2.64	134.10	4,991.91	641.60	GORDON TECHNOLOGIES
10/26/2021	5,137.00	1.88	127.06	5,082.84	645.18	GORDON TECHNOLOGIES
10/26/2021	5,228.00	1.36	109.30	5,173.80	647.73	GORDON TECHNOLOGIES
10/26/2021	5,319.00	1.13	113.55	5,264.78	649.70	GORDON TECHNOLOGIES
10/26/2021	5,409.00	1.15	108.87	5,354.76	651.49	GORDON TECHNOLOGIES
10/26/2021	5,500.00	0.70	95.91	5,445.75	652.95	GORDON TECHNOLOGIES
10/26/2021	5,590.00	0.63	102.48	5,535.74	653.99	GORDON TECHNOLOGIES
10/26/2021	5,681.00	0.63	92.21	5,626.74	654.99	GORDON TECHNOLOGIES
10/26/2021	5,772.00	0.18	46.08	5,717.74	655.60	GORDON TECHNOLOGIES
10/26/2021	5,863.00	0.16	44.40	5,808.74	655.87	GORDON TECHNOLOGIES
10/26/2021	5,954.00	0.20	71.98	5,899.73	656.15	GORDON TECHNOLOGIES
10/26/2021	6,045.00	0.42	51.30	5,990.73	656.63	GORDON TECHNOLOGIES
10/26/2021	6,134.00	0.52	61.83	6,079.73	657.36	GORDON TECHNOLOGIES
10/26/2021	6,225.00	0.53	61.48	6,170.73	658.19	GORDON TECHNOLOGIES
10/26/2021	6,315.00	0.53	80.17	6,260.72	659.01	GORDON TECHNOLOGIES
10/26/2021	6,406.00	0.49	85.34	6,351.72	659.82	GORDON TECHNOLOGIES
10/26/2021	6,496.00	0.49	76.84	6,441.72	660.59	GORDON TECHNOLOGIES
10/26/2021	6,587.00	0.51	98.87	6,532.71	661.37	GORDON TECHNOLOGIES
10/26/2021	6,676.00	0.50	101.62	6,621.71	662.16	GORDON TECHNOLOGIES
10/26/2021	6,764.00	0.28	93.16	6,709.71	662.75	GORDON TECHNOLOGIES
10/26/2021	6,853.00	2.71	346.45	6,798.67	664.81	GORDON TECHNOLOGIES
10/26/2021	6,943.00	13.20	0.44	6,887.69	677.19	GORDON TECHNOLOGIES
10/26/2021	7,034.00	22.20	353.80	6,974.30	704.79	GORDON TECHNOLOGIES
10/26/2021	7,124.00	31.37	351.75	7,054.56	745.30	GORDON TECHNOLOGIES
10/26/2021	7,215.00	35.48	357.43	7,130.51	795.37	GORDON TECHNOLOGIES
10/26/2021	7,306.00	43.71	1.97	7,200.59	853.28	GORDON TECHNOLOGIES
10/26/2021	7,398.00	52.58	0.76	7,261.91	921.74	GORDON TECHNOLOGIES
10/26/2021	7,488.00	64.94	0.60	7,308.50	998.54	GORDON TECHNOLOGIES
10/26/2021	7,580.00	76.88	0.89	7,338.53	1,085.32	GORDON TECHNOLOGIES
10/26/2021	7,671.00	88.43	1.51	7,350.15	1,175.42	GORDON TECHNOLOGIES
10/26/2021	7,762.00	90.76	1.22	7,350.79	1,266.41	GORDON TECHNOLOGIES
10/26/2021	7,822.00	91.26	359.89	7,349.73	1,326.40	GORDON TECHNOLOGIES
10/26/2021	7,914.00	90.59	359.81	7,348.25	1,418.39	GORDON TECHNOLOGIES
10/26/2021	8,004.00	90.59	359.54	7,347.32	1,508.38	GORDON TECHNOLOGIES
10/26/2021	8,095.00	90.42	0.11	7,346.52	1,599.38	GORDON TECHNOLOGIES
10/26/2021	8,185.00	90.14	0.26	7,346.08	1,689.38	GORDON TECHNOLOGIES
10/26/2021	8,277.00	90.76	0.88	7,345.36	1,781.38	GORDON TECHNOLOGIES
10/26/2021	8,368.00	90.17	1.17	7,344.62	1,872.37	GORDON TECHNOLOGIES

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 10-17E 5H

Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	Unwrap Displace (ft)	Survey Company
10/26/2021	8,457.00	89.95	0.75	7,344.53	1,961.37	GORDON TECHNOLOGIES
10/26/2021	8,546.00	90.20	1.06	7,344.41	2,050.37	GORDON TECHNOLOGIES
10/26/2021	8,636.00	89.83	0.70	7,344.39	2,140.37	GORDON TECHNOLOGIES
10/26/2021	8,725.00	89.95	0.77	7,344.56	2,229.37	GORDON TECHNOLOGIES
10/26/2021	8,814.00	89.55	0.47	7,344.95	2,318.37	GORDON TECHNOLOGIES
10/26/2021	8,904.00	89.58	0.62	7,345.63	2,408.37	GORDON TECHNOLOGIES
10/26/2021	8,995.00	89.67	0.90	7,346.22	2,499.36	GORDON TECHNOLOGIES
10/26/2021	9,086.00	89.61	1.13	7,346.80	2,590.36	GORDON TECHNOLOGIES
10/26/2021	9,176.00	89.83	1.44	7,347.24	2,680.36	GORDON TECHNOLOGIES
10/26/2021	9,266.00	89.67	1.48	7,347.63	2,770.36	GORDON TECHNOLOGIES
10/26/2021	9,356.00	90.00	2.06	7,347.89	2,860.36	GORDON TECHNOLOGIES
10/26/2021	9,447.00	89.67	1.78	7,348.15	2,951.36	GORDON TECHNOLOGIES
10/26/2021	9,538.00	89.75	2.00	7,348.61	3,042.36	GORDON TECHNOLOGIES
10/26/2021	9,629.00	89.61	2.54	7,349.12	3,133.36	GORDON TECHNOLOGIES
10/26/2021	9,719.00	90.03	2.41	7,349.40	3,223.36	GORDON TECHNOLOGIES
10/26/2021	9,810.00	89.81	2.05	7,349.53	3,314.36	GORDON TECHNOLOGIES
10/26/2021	9,901.00	89.95	2.49	7,349.72	3,405.35	GORDON TECHNOLOGIES
10/26/2021	9,990.00	89.58	1.81	7,350.08	3,494.35	GORDON TECHNOLOGIES
10/26/2021	10,082.00	89.81	1.52	7,350.57	3,586.35	GORDON TECHNOLOGIES
10/26/2021	10,171.00	89.69	1.05	7,350.96	3,675.35	GORDON TECHNOLOGIES
10/26/2021	10,261.00	89.75	0.96	7,351.40	3,765.35	GORDON TECHNOLOGIES
10/26/2021	10,351.00	89.72	1.03	7,351.82	3,855.35	GORDON TECHNOLOGIES
10/26/2021	10,441.00	89.78	1.14	7,352.21	3,945.35	GORDON TECHNOLOGIES
10/26/2021	10,533.00	89.58	1.14	7,352.72	4,037.35	GORDON TECHNOLOGIES
10/26/2021	10,623.00	89.75	1.75	7,353.25	4,127.34	GORDON TECHNOLOGIES
10/26/2021	10,714.00	90.06	2.04	7,353.40	4,218.34	GORDON TECHNOLOGIES
10/26/2021	10,804.00	89.78	1.67	7,353.53	4,308.34	GORDON TECHNOLOGIES
10/26/2021	10,895.00	90.20	1.76	7,353.54	4,399.34	GORDON TECHNOLOGIES
10/26/2021	10,988.00	89.67	0.73	7,353.65	4,492.34	GORDON TECHNOLOGIES
10/26/2021	11,077.00	89.97	1.21	7,353.93	4,581.34	GORDON TECHNOLOGIES
10/26/2021	11,168.00	89.72	0.86	7,354.17	4,672.34	GORDON TECHNOLOGIES
10/26/2021	11,258.00	89.75	0.49	7,354.59	4,762.34	GORDON TECHNOLOGIES
10/26/2021	11,349.00	89.50	359.87	7,355.19	4,853.34	GORDON TECHNOLOGIES
10/26/2021	11,440.00	89.36	359.25	7,356.09	4,944.33	GORDON TECHNOLOGIES
10/26/2021	11,531.00	89.44	359.57	7,357.04	5,035.33	GORDON TECHNOLOGIES
10/26/2021	11,621.00	89.78	359.92	7,357.66	5,125.32	GORDON TECHNOLOGIES
10/26/2021	11,713.00	89.58	359.88	7,358.17	5,217.32	GORDON TECHNOLOGIES
10/26/2021	11,802.00	89.83	0.72	7,358.63	5,306.32	GORDON TECHNOLOGIES
10/26/2021	11,893.00	90.00	1.00	7,358.76	5,397.32	GORDON TECHNOLOGIES
10/26/2021	11,983.00	89.67	0.84	7,359.02	5,487.32	GORDON TECHNOLOGIES
10/26/2021	12,072.00	89.95	1.50	7,359.32	5,576.32	GORDON TECHNOLOGIES
10/26/2021	12,163.00	89.95	1.79	7,359.40	5,667.32	GORDON TECHNOLOGIES
10/26/2021	12,253.00	90.03	2.29	7,359.41	5,757.32	GORDON TECHNOLOGIES
10/26/2021	12,344.00	90.31	2.84	7,359.14	5,848.32	GORDON TECHNOLOGIES
10/26/2021	12,435.00	89.83	2.41	7,359.03	5,939.32	GORDON TECHNOLOGIES
10/26/2021	12,526.00	90.06	2.34	7,359.12	6,030.32	GORDON TECHNOLOGIES
10/26/2021	12,617.00	90.14	2.22	7,358.96	6,121.32	GORDON TECHNOLOGIES
10/26/2021	12,708.00	89.97	2.21	7,358.87	6,212.32	GORDON TECHNOLOGIES
10/26/2021	12,798.00	89.86	1.63	7,359.01	6,302.32	GORDON TECHNOLOGIES
10/26/2021	12,889.00	89.61	0.44	7,359.43	6,393.31	GORDON TECHNOLOGIES
10/26/2021	12,980.00	90.09	0.40	7,359.67	6,484.31	GORDON TECHNOLOGIES
10/26/2021	13,071.00	89.72	358.75	7,359.82	6,575.31	GORDON TECHNOLOGIES
10/26/2021	13,161.00	90.17	358.76	7,359.90	6,665.31	GORDON TECHNOLOGIES
10/26/2021	13,251.00	89.81	357.96	7,359.92	6,755.31	GORDON TECHNOLOGIES
10/26/2021	13,342.00	90.17	358.46	7,359.94	6,846.31	GORDON TECHNOLOGIES
10/26/2021	13,432.00	90.03	358.35	7,359.78	6,936.31	GORDON TECHNOLOGIES
10/26/2021	13,523.00	90.25	358.62	7,359.56	7,027.31	GORDON TECHNOLOGIES
10/26/2021	13,614.00	89.81	358.33	7,359.51	7,118.31	GORDON TECHNOLOGIES
10/26/2021	13,705.00	89.69	357.94	7,359.91	7,209.31	GORDON TECHNOLOGIES

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 10-17E 5H

Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	Unwrap Displace (ft)	Survey Company
10/26/2021	13,795.00	89.44	357.33	7,360.59	7,299.30	GORDON TECHNOLOGIES
10/26/2021	13,886.00	89.13	357.74	7,361.72	7,390.30	GORDON TECHNOLOGIES
10/26/2021	13,977.00	90.28	359.35	7,362.19	7,481.29	GORDON TECHNOLOGIES
10/26/2021	14,067.00	89.92	358.95	7,362.04	7,571.29	GORDON TECHNOLOGIES
10/26/2021	14,157.00	89.16	359.57	7,362.76	7,661.29	GORDON TECHNOLOGIES
10/26/2021	14,186.00	89.02	0.73	7,363.22	7,690.28	GORDON TECHNOLOGIES
10/26/2021	14,248.00	88.74	2.60	7,364.43	7,752.27	GORDON TECHNOLOGIES
10/26/2021	14,339.00	89.53	3.40	7,365.80	7,843.25	GORDON TECHNOLOGIES
10/26/2021	14,430.00	88.60	3.79	7,367.29	7,934.24	GORDON TECHNOLOGIES
10/26/2021	14,521.00	89.47	4.55	7,368.82	8,025.23	GORDON TECHNOLOGIES
10/26/2021	14,611.00	89.69	6.12	7,369.48	8,115.22	GORDON TECHNOLOGIES
10/26/2021	14,701.00	89.78	7.46	7,369.90	8,205.22	GORDON TECHNOLOGIES
10/26/2021	14,792.00	90.28	7.46	7,369.85	8,296.22	GORDON TECHNOLOGIES
10/26/2021	14,839.00	90.14	5.89	7,369.68	8,343.22	GORDON TECHNOLOGIES
10/26/2021	14,884.00	89.92	3.79	7,369.65	8,388.21	GORDON TECHNOLOGIES
10/26/2021	14,974.00	89.58	0.42	7,370.05	8,478.20	GORDON TECHNOLOGIES
10/26/2021	15,064.00	89.97	1.17	7,370.40	8,568.20	GORDON TECHNOLOGIES
10/26/2021	15,154.00	90.11	1.31	7,370.34	8,658.20	GORDON TECHNOLOGIES
10/26/2021	15,244.00	90.23	0.34	7,370.07	8,748.20	GORDON TECHNOLOGIES
10/26/2021	15,336.00	89.64	358.85	7,370.18	8,840.19	GORDON TECHNOLOGIES
10/26/2021	15,425.00	89.78	1.07	7,370.63	8,929.19	GORDON TECHNOLOGIES
10/26/2021	15,515.00	89.67	1.26	7,371.06	9,019.19	GORDON TECHNOLOGIES
10/26/2021	15,606.00	90.31	2.28	7,371.07	9,110.18	GORDON TECHNOLOGIES
10/26/2021	15,697.00	90.03	0.38	7,370.80	9,201.18	GORDON TECHNOLOGIES
10/26/2021	15,787.00	90.06	359.64	7,370.73	9,291.18	GORDON TECHNOLOGIES
10/26/2021	15,878.00	90.65	1.23	7,370.17	9,382.17	GORDON TECHNOLOGIES
10/26/2021	15,969.00	89.81	1.03	7,369.80	9,473.17	GORDON TECHNOLOGIES
10/26/2021	16,059.00	90.67	1.64	7,369.43	9,563.17	GORDON TECHNOLOGIES
10/26/2021	16,149.00	90.28	1.54	7,368.68	9,653.17	GORDON TECHNOLOGIES
10/26/2021	16,241.00	90.06	0.67	7,368.41	9,745.17	GORDON TECHNOLOGIES
10/26/2021	16,331.00	89.97	0.05	7,368.38	9,835.17	GORDON TECHNOLOGIES
10/26/2021	16,422.00	89.92	1.40	7,368.47	9,926.16	GORDON TECHNOLOGIES
10/26/2021	16,512.00	89.92	0.95	7,368.60	10,016.16	GORDON TECHNOLOGIES
10/26/2021	16,602.00	89.78	359.99	7,368.83	10,106.16	GORDON TECHNOLOGIES
10/26/2021	16,692.00	89.64	359.67	7,369.29	10,196.16	GORDON TECHNOLOGIES
10/26/2021	16,782.00	89.78	0.46	7,369.74	10,286.16	GORDON TECHNOLOGIES
10/26/2021	16,873.00	89.89	0.47	7,370.01	10,377.16	GORDON TECHNOLOGIES
10/26/2021	16,965.00	90.06	0.23	7,370.05	10,469.16	GORDON TECHNOLOGIES
10/26/2021	17,055.00	90.31	0.44	7,369.76	10,559.16	GORDON TECHNOLOGIES
10/26/2021	17,149.00	89.95	0.24	7,369.54	10,653.16	GORDON TECHNOLOGIES
10/26/2021	17,185.00	89.95	0.24	7,369.57	10,689.16	GORDON TECHNOLOGIES