

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	WWDC CHIEF DRILLING & COMPLETIONS
Address	1099 18th St., Denver, Colorado 80202

1.2 Well Information

Well	GLADE EAST		
Project	COLORADO - WELD	Site	T03N-R66W-S02
Rig Name/No.	PRECISION 580/, PRECISION 580/, PRECISION 580/	Event Name	EXPL DRILLING
Start date	2/1/2025	End date	7/12/2025
Spud Date/Time	4/8/2025	Primary Location Desc.	0512352916
Active datum	PD580 28'KB @4,928.00ft (above Mean Sea Level)		
Afe No./Description	O24-00535-EAST-A /		

2 Summary

2.1 Operation Summary

Date	Time Start-End	Hrs (hr)	Op Phase	Op Code	Op Sub	Op Type	Op Top MD (ft)	Op Details

2.1 Operation Summary (Continued)

Date	Time Start-End	Hrs (hr)	Op Phase	Op Code	Op Sub	Op Type	Op Top MD (ft)	Op Details

6/22/2025

2.1 Operation Summary (Continued)

Date	Time Start-End	Hrs (hr)	Op Phase	Op Code	Op Sub	Op Type	Op Top MD (ft)	Op Details
	0:00 9:45	9.75	31PRDR	DRILL	MTRV ER	P	14,419	<p>DRILL F/ 14,419' - T/ 15,149'</p> <p>WOB: 56K RPM: 40 MOTOR RPM: 156 GPM: 650 SPP: ON / 3200, OFF / 2775 DIFF: 425 TORQ ON/OFF: 17.5K / 6.5K MUD WT: 8.4 VIS: 27 P/U 505K S/O 392K ROT 425K</p> <p>MWD TEMP: 208° FLOW LINE TEMP TEMP: 134° SUCTION TEMP: 109°</p> <p>LOSSES STARTED @ 14,490' (80% RETURNS) PUMPING HIGH VIS / 40 PPB FIRST RESPONSE SWEEPS EVERY 500' WENT ON FULL LOSSES 14,960'</p> <p>**GLADE WEST: TOOK 115 BBLS TO CATCH PRESSURE WHICH PUTS FLUID TOP @ 4,946'. TOOK ANOTHER 800 BBLS TO GET RETURNS. CIRCULATING @ 500GPM WITH 70% RETURNS.</p>
	9:45 12:00	2.25	31PRDR	CIRC	CNDH OL	PT	15,149	<p>SPOT & SQUEEZE 120 BBLS OF 40# PBL FIRST RESPONSE</p> <p>Squeezed 60 bbls @ 60 spm SPP - 304 CSG- 150 Wait 5 min Pump 10 - @60 SPM SPP-268 SICP 108 Wait 5 min Pump 20 bbls - SPP -220 SICP 60 Wait 5 min Pump 30 bbls SPP - 208 psi SICP 60 open back up and going back to drilling we'll be pumping 1cm sweeps as needed</p>
	12:00 18:00	6.00	31PRDR	DRILL	MTRV ER	P	15,149	<p>DRILL F/ 15,149' - T/ 15,453'</p> <p>WOB: 60K RPM: 40 MOTOR RPM: 156 GPM: 650 SPP: ON / 3000, OFF / 2750 DIFF: 250 TORQ ON/OFF: 19.5K / 7.3K MUD WT: 8.4 VIS: 27 P/U 530K S/O 399K ROT 444K</p> <p>MWD TEMP: 158° FLOW LINE TEMP TEMP: 94° SUCTION TEMP: 80°</p> <p>PUMPING HIGH VIS / 40 PPB FIRST RESPONSE SWEEPS EVERY STAND RETURNS @ 40%</p> <p>**GLADE WEST: CIRCULATING @ 250 GPM WITH 74% RETURNS**</p>

2.1 Operation Summary (Continued)

Date	Time Start-End	Hrs (hr)	Op Phase	Op Code	Op Sub	Op Type	Op Top MD (ft)	Op Details
	18:00 0:00	6.00	31PRDR	DRILL	MTRV ER	P	15,453	<p>DRILL F/ 15,453' - T/ 15,835'</p> <p>WOB: 60K RPM: 40 MOTOR RPM: 156 GPM: 650 SPP: ON / 3050, OFF / 2800 DIFF: 250 TORQ ON/OFF: 20.9K / 7.9K MUD WT: 8.4 VIS: 27 P/U 530K S/O 400K ROT 454K</p> <p>MWD TEMP: 160° FLOW LINE TEMP TEMP: 89° SUCTION TEMP: 78°</p> <p>PUMPING 30 BBLS OF HIGH VIS / 40 PPB FIRST RESPONSE SWEEPS EVERY OTHER STAND RETURNS @ 40%</p> <p>**GLADE WEST: CIRCULATING @ 250 GPM WITH 74% RETURNS**</p>
6/23/2025	0:00 4:15	4.25	31PRDR	DRILL	MTRV ER	P	15,835	<p>DRILL F/ 15,835' - T/ 16,074'</p> <p>WOB: 60K RPM: 40 MOTOR RPM: 156 GPM: 650 SPP: ON / 3050, OFF / 2800 DIFF: 250 TORQ ON/OFF: 20.9K / 7.9K MUD WT: 8.4 VIS: 27 P/U 570K S/O 400K ROT 454K</p> <p>MWD TEMP: 134° FLOW LINE TEMP TEMP: 55° SUCTION TEMP: 55°</p> <p>PUMPING 30 BBLS OF HIGH VIS / 40 PPB FIRST RESPONSE SWEEPS EVERY OTHER STAND RETURNS @ 40%</p> <p>- 15,969' WE ENCOUNTERED FULL LOSSES - 16,074' TOOK A TORQUE AND DIFF SPIKE CAUSING PUMPS TO KICK OFF, PICKED UP OFF BOTTOM AND ATTEMPTED TO TAG BOTTOM AGAIN BUT IT PRESSURED AND TORQUED UP ON US AGAIN.</p> <p>**GLADE WEST: CIRCULATING @ 250 GPM WITH 74% RETURNS** LOGGING OPS WERE SUCCESFUL TO BOTTOM BUT LOST GYRO @ 19,000' ON WAY OUT TOOL WOULD NOT TURN BACK ON DUE TO LOW VOLTAGE</p>
	4:15 4:30	0.25	31PRDR	CIRC	CNDH OL	PT	16,074	CIRCULATE (NO RETURNS)
	4:30 6:15	1.75	31PRDR	TRIP	DRILL	PT	16,074	<p>T.O.O.H F/ 16,074' - T/ 13,700'</p> <p>PULLED 577K OFF BOTTOM HOLE STARTED OUT TAKING 100 BBLS ADDITIONAL AN HOUR AND THEN WENT UP TO 400BBLS AN HR.</p>
	6:15 8:15	2.00	31PRDR	CIRC	CNDH OL	PT	16,074	<p>CIRCULATE BUILD AND SPOT 200 BBLS OF 40 PPB LCM PILL IN ANNULUS</p>
	8:15 14:45	6.50	31PRDR	TRIP	DRILL	PT	16,074	<p>T.O.O.H F/ 13,700' -T/ BHA</p> <p>HOLE TAKING AN ADDITIONAL 72 BBLS OVER CALCULATED</p>

2.1 Operation Summary (Continued)

Date	Time Start-End	Hrs (hr)	Op Phase	Op Code	Op Sub	Op Type	Op Top MD (ft)	Op Details
	14:45 17:30	2.75	31PRDR	TRIP	BHA	PT	16,074	RACK BACK 5 STANDS OF 6.5" COLLARS AND 7 STANDS OF HWDP - DRAIN MUD MOTOR / BREAK BIT - BIT GRADE - 3:8 RING OUT, CHIPPED CUTTERS - LAY DOWN BIT AND MOTOR - TOP STAB 7/8" UNDER GAUGE - MIDDLE STAB 5/8" UNDER GAUGE - MOTOR STAB 1/8" UNDER GAUGE
	17:30 18:00	0.50	31PRDR	RIGMT	SRV IG	P	16,074	DAILY RIG SERVICE
	18:00 21:00	3.00	31PRDR	TRIP	BHA	PT	16,074	PJSM WITH DIRECTIONAL - MAKE UP BDZ713 & 1.0° CAM SCOUT MUD MOTOR -.025 FIT - SCRIBE - INSTALL MWD -MAKE UP HALLIBURTON RANING TOOLS - RUN IN HOLE 5 STANDS OF 6.5" COLLARS AND 7 STANDS OF HWDP - SHALLOW TESTED MWD @ 875'
	21:00 0:00	3.00	31PRDR	TRIP	DRILL	PT	16,074	TIH F/ 1,212' -T/ 6,000' INSTALLED ROTATING HEAD / FILL PIPE, MWD TEMP 76°
6/24/2025	0:00 9:45	9.75	31PRDR	TRIP	DRILL	PT	16,074	TIH F/ 6,000' - T/ 15,900' MWD TEMP @ 8,000' / 86° MWD TEMP @ 10,000' / 99° MWD TEMP @ 11,200' / 108° MWD TEMP @ 12,500' / 120° MWD TEMP @ 13,500' / 127° MWD TEMP @ 14,500' / 141° MWD TEMP @ 15,500' / 224° COOLED TO 201° WASH TO BOTTOM F/ 15,900' **GLADE EAST: LOOSING 340 BBLS AN HOUR** **GLADE WEST: LOOSING 248 BBLS AN HOUR**
	9:45 16:00	6.25	31PRDR	DRILL	MTRV ER	P	16,074	DRILL F/ 16,074' - T/ 16,562' WOB: 60K RPM: 30 - 40 MOTOR RPM: 168 GPM: 700 SPP: ON / 3700, OFF / 3400 DIFF: 300 TORQ ON/OFF: 25K / 7.9K MUD WT: 8.4 VIS: 27 P/U 578K S/O 430K ROT 475K MWD TEMP: 150° FLOW LINE TEMP TEMP: 85° SUCTION TEMP: 74°
	16:00 18:00	2.00	31PRDR	CIRC	CNDH OL	P	16,562	RANGE WITH MGT TARGET WELL IS 228' AWAY

2.1 Operation Summary (Continued)

Date	Time Start-End	Hrs (hr)	Op Phase	Op Code	Op Sub	Op Type	Op Top MD (ft)	Op Details
	18:00 20:15	2.25	31PRDR	DRILL	MTRV ER	P	16,562	DRILL F/ 16,562' - T/ 16,730' WOB: 55K RPM: 20 - 40 MOTOR RPM: 162 GPM: 675 SPP: ON / 3440, OFF / 3140 DIFF: 300 TORQ ON/OFF: 24K / 8.2K MUD WT: 8.4 VIS: 27 P/U 578K S/O 433K ROT 477K MWD TEMP: 158° FLOW LINE TEMP TEMP: 88° SUCTION TEMP: 78°
	20:15 20:45	0.50	31PRDR	RIGMT	REP	PT	16,730	C/O SWAB ON MUD PUMP #2
	20:45 0:00	3.25	31PRDR	DRILL	MTRV ER	P	16,730	DRILL F/ 16,730' - T/ 16,910' WOB: 55K RPM: 20 - 40 MOTOR RPM: 162 GPM: 675 SPP: ON / 3500, OFF / 3175 DIFF: 325 TORQ ON/OFF: 24K / 8.2K MUD WT: 8.4 VIS: 27 P/U 578K S/O 435K ROT 477K MWD TEMP: 163° FLOW LINE TEMP TEMP: 88° SUCTION TEMP: 78° PUMPING 30 BBLS OF 40 PPB FIRST RESPONSE SWEEPS GLADE EAST: 64% RETURNS (LOOSING 340 BBLS AN HR) GLADE WEST: 10% RETURNS (LOOSING 300 BBLS AN HR)
6/25/2025	0:00 2:30	2.50	31PRDR	DRILL	MTRV ER	P	16,910	DRILL F/ 16,910' - T/ 17037' WOB: 55K RPM: 20 - 40 MOTOR RPM: 162 GPM: 675 SPP: ON / 3500, OFF / 3175 DIFF: 325 TORQ ON/OFF: 24K / 8.2K MUD WT: 8.4 VIS: 27 P/U 583K S/O 435K ROT 482K MWD TEMP: 163° FLOW LINE TEMP TEMP: 88° SUCTION TEMP: 78° PUMPING 30 BBLS OF 40 PPB FIRST RESPONSE SWEEPS GLADE EAST: 64% RETURNS (LOOSING 340 BBLS AN HR) GLADE WEST: 10% RETURNS (LOOSING 300 BBLS AN HR)
	2:30 4:00	1.50	31PRDR	CIRC	CNDH OL	P	17,037	RANGE WITH MGT TARGET WELL IS 210' AWAY

2.1 Operation Summary (Continued)

Date	Time Start-End	Hrs (hr)	Op Phase	Op Code	Op Sub	Op Type	Op Top MD (ft)	Op Details
	4:00 5:00	1.00	31PRDR	DRILL	MTRV ER	P	17,037	DRILL F/ 17,037' - T/ 17,115' WOB: 55K RPM: 30 - 40 MOTOR RPM: 162 GPM: 675 SPP: ON / 3500, OFF / 3175 DIFF: 325 TORQ ON/OFF: 24K / 8.2K MUD WT: 8.4 VIS: 27 P/U 600K S/O 435K ROT 482K MWD TEMP: 169° FLOW LINE TEMP TEMP: 88° SUCTION TEMP: 77° PUMPING 30 BBLS OF 40 PPB FIRST RESPONSE SWEEPS GLADE EAST: 70% RETURNS (LOOSING 280 BBLS AN HR) GLADE WEST: LOOSING 300 BBLS AN HR
	5:00 6:00	1.00	31PRDR	RIGMT	SRVR IG	PT	17,115	CHANGE OUT SWAB AND LINER ON MUD PUMP #3
	6:00 8:45	2.75	31PRDR	DRILL	MTRV ER	P	17,115	DRILL F/ 17,115' - T/ 17,314' WOB: 55K RPM: 30 - 40 MOTOR RPM: 162 GPM: 675 SPP: ON / 3500, OFF / 3175 DIFF: 325 TORQ ON/OFF: 24K / 8.2K MUD WT: 8.4 VIS: 27 P/U 600K S/O 435K ROT 482K MWD TEMP: 169° FLOW LINE TEMP TEMP: 88° SUCTION TEMP: 77° PUMPING 30 BBLS OF 40 PPB FIRST RESPONSE SWEEPS GLADE EAST: 70% RETURNS (LOSING 280 BBLS AN HR) GLADE WEST: LOSING 300 BBLS AN HR ***We drilled into a 2' "void" from 17,267' to 17,269' and lost all weight and took a diff and torque spike just after, we picked up and lost all returns for 5 minutes, returns came back and pressure and torque stabilized went back to drilling, made 47' to 17,214' hand another torque spike, and were hung up for a moment torqued out and lost all returns, we lined up pump #1 on the backside and pumped 500 GPM down the backside, while pumps 2 and 3 were pumping down the pipe at 670 GPMs (1170 GPM total) we pumped for ~15 minutes prior to seeing any flow at surface, LCM was sent downhole and saw an improvement in flow and pressure.***
	8:45 11:15	2.50	31PRDR	LCIRC	LCM	PT	17,314	PUMP 3X 40#/BBL FIRST RESPONSE PILLS TO ESTABLISH CIRCULATION - STARTED TO SEE MINOR RETURNS ABOUT 10% (1000BBLS/HR)
	11:15 12:15	1.00	31PRDR	TRIP	DRILL	PT	17,314	TRIPPED FROM 17,314' - 16,658' TO BULLHEAD X-PRIMA - HAD TO BACKREAM OUT
	12:15 13:45	1.50	31PRDR	LCIRC	LCM	PT	17,314	BULLHEAD LCM - trip up ~700 ft and bullhead 50 bbls of 100 ppb X-Prima with 10 ppb nut plug to the bottom 700' of the well
	13:45 15:30	1.75	31PRDR	TRIP	DRILL	PT	17,314	TRIP OUT 16,658' - 14,150' TO SQUEEZE LCM PILL

2.1 Operation Summary (Continued)

Date	Time Start-End	Hrs (hr)	Op Phase	Op Code	Op Sub	Op Type	Op Top MD (ft)	Op Details
	15:30 17:00	1.50	31PRDR	CIRC	CNDH OL	PT	17,314	CIRCULATE @ 350 GPM DOWN DP & PUMP DOWN BACKSIDE AT 300 GPM WHILE WAITING ON X-PRIMA TO ARRIVE ON LOCATION.
	17:00 21:15	4.25	31PRDR	CIRC	CNDH OL	PT	17,314	CIRCULATE @ 350 GPM DOWN DP & PUMP DOWN BACKSIDE AT 300 GPM WHILE BUILDING 175 BBLS OF 100 PPB X-PRIMA / 10 PPB NUT PLUG PILL
	21:15 22:15	1.00	31PRDR	CIRC	CNDH OL	PT	17,314	PUMP X-PRIMA LCM PILL @ 400 GPM AS FOLLOWS: <ul style="list-style-type: none"> - PUMP 10 BBLS HIGH VIS GEL - PUMP 50 BBLS OF 100 PPB X-PRIMA / 10 PPB NUT PLUG - PUMP 41 BBLS OF WATER - PUMP 125 BBLS OF 100 PPB X-PRIMA / 10 PPB NUT PLUG - SHUT UPPER PIPE RAMS AS GEL SWEEP EXITED THE BIT (NO PRESSURE ON CASING) - PUMPED 7 BBLS PAST CALCULATED STRING VOULUME TO ENSURE STRING CLEAR OF LCM
	22:15 0:00	1.75	31PRDR	CIRC	CNDH OL	PT	17,314	- WAIT 1 HOUR - PUMP 10 BBLS OF WATER (NO PRESSURE ON CASING) @ 1 BPM - WAIT 1 HOUR (40 MIN)
6/26/2025	0:00 5:30	5.50	31PRDR	CIRC	CNDH OL	PT	17,314	- WAIT 1 HOUR (20 MIN) - PUMP 10 BBLS OF WATER (NO PRESSURE ON CASING) @ 1 BPM - WAIT 1 HOUR - FILL BACKSIDE - PUMPED 38.5 BBLS AND CAUGHT CASING PRESSURE. THAT PUTS THE ANNULUS FLUID TOP @ 900'. SHUT PUMP DOWN AT 42 PSI ON CASING PRESSURE AND IT IMMEDIATLY FELL TO O PSI. - WAIT 1 HOUR - PUMPED 46 BBLS AND CAUGHT CASING PRESSURE. SHUT PUMP DOWN AT 44 PSI ON CASING PRESSURE AND IT IMMEDIATLY FELL TO O PSI. - OPEN UP PIPE RAMS & PICK UP 30' TO ENSURE STRING IS FREE - CLOSE UPPER PIPE RAMS & WAIT 1 HOUR - OPEN UP - FILL PIPE - CIRCULATE CALCULATED SURFACE TO BIT STROKES @ 275 GPM WITH 75% RETURNS
	5:30 11:00	5.50	31PRDR	TRIP	DRILL	PT	17,314	T.O.O.H. F/ 14,200' - T/ BHA - FILLS TOOK FROM 2 - 5 TIMES CALCULATED HOLE FILL
	11:00 13:00	2.00	31PRDR	TRIP	BHA	PT	17,314	RACK BACK 5 STANDS OF 6.5" COLLARS AND 7 STANDS OF HWDP - DRAIN MUD MOTOR / BREAK BIT - BIT GRADE - 2:8 RUNG OUT, CHIPPED CUTTERS - LAY DOWN BIT AND MOTOR - TOP ROLLER IN GAUGE - BASE STAR STAB 1/16" UNDER GAUGE - LOWER ROLLER REAMER IN GAUGE - MOTOR STAB 1/16" UNDER GAUGE
	13:00 13:30	0.50	31PRDR	RIGMT	SRVR IG	PT	17,314	DAILY RIG SERVICE / DROPS INSECTION (FIX 2 BROKEN TIE WIRES ON STAND JUMP)
	13:30 14:45	1.25	31PRDR	DRILL	CUTD LIN	PT	17,314	SLIP AND CUT DRILL LINE
	14:45 15:15	0.50	31PRDR	TRIP	BHA	PT	17,314	DOWN LOAD HALLIBURTON DATA FROM SENSORS AND RANGING TOOL

2.1 Operation Summary (Continued)

Date	Time Start-End	Hrs (hr)	Op Phase	Op Code	Op Sub	Op Type	Op Top MD (ft)	Op Details
	15:15 18:15	3.00	31PRDR	TRIP	BHA	PT	17,314	PJSM WITH DIRECTIONAL - MAKE UP ULTERRA SCR813 & .5° CAM SCOUT MUD MOTOR -.024 FIT - SCRIBE - INSTALL MWD - MAKE UP HALLIBURTON RANGING TOOLS - RUN IN HOLE 3 STANDS OF 6.5" COLLARS AND 7 STANDS OF HWDP - SHALLOW TESTED MWD @ 1,275'
	18:15 0:00	5.75	31PRDR	TRIP	DRILL	PT	17,314	TIH F/ 1,032' -T/ 12,300' INSTALLED ROTATING HEAD / FILL PIPE @ 6,000', MWD TEMP 108° MWD TEMP @ 9,000' / 140° MWD TEMP @ 11,200' / 176°
6/27/2025	0:00 1:30	1.50	31PRDR	TRIP	DRILL	PT	17,314	TIH F/ 12,218' - T/ 14,581' MWD TEMP @ 12,300' / 176° MWD TEMP @ 13,440' / 196° MWD TEMP @ 14,581' / 203° **GETTING 24% OF CALCULATED DISPLACEMENT BACK WHILE TRIPPING IN** **GLADE WEST TOOK 132 BBLS TO CATCH PRESSURE AND 171 BBLS TO GET RETURNS**
	1:30 2:30	1.00	31PRDR	CIRC	CNDH OL	PT	17,314	PUMPED 40 BBLS OF 40 PPB DYNA FIBER, SAW DUST & NEW CARB SWEEPS AT 14,581' RETURNS @ 64% RETURNS GLADE WEST: LOSING 220 BBLS AN HR @ 275 GPM
	2:30 3:15	0.75	31PRDR	TRIP	DRILL	PT	17,314	TIH F/ 14,581' - T/ 15,900' MWD TEMP @ 15,058' / 183° MWD TEMP @ 15,540' / 232°, COOLED TO 210° MWD TEMP @ 16,010' / 250°, COOLED TO 210°
	3:15 4:15	1.00	31PRDR	CIRC	CNDH OL	PT	17,314	PUMPED 40 BBLS OF 40 PPB DYNA FIBER, SAW DUST & NEW CARB SWEEPS AT 16,010' RETURNS @ 50% RETURNS GLADE WEST: LOSING 220 BBLS AN HR @ 275 GPM
	4:15 7:00	2.75	31PRDR	REAM	PRRM	PT	17,314	WASH F/ 16,010' -T/ 17,314' 65% RETURNS

2.1 Operation Summary (Continued)

Date	Time Start-End	Hrs (hr)	Op Phase	Op Code	Op Sub	Op Type	Op Top MD (ft)	Op Details
	7:00 7:45	0.75	31PRDR	DRILL	MTRV ER	P	17,314	<p>DRILL F/ 17,314' - T/ 17,433'</p> <p>WOB: 55K RPM: 30 - 40 MOTOR RPM: 162 GPM: 675 SPP: ON / 3500, OFF / 3175 DIFF: 325 TORQ ON/OFF: 24K / 8.2K MUD WT: 8.4 VIS: 27 P/U 600K S/O 435K ROT 482K</p> <p>MWD TEMP: 169° FLOW LINE TEMP: 88° SUCTION TEMP: 77°</p> <p>PUMPING 20 BBLS OF 40 PPB DYNA FIBER, SAW DUST & NEW CARB SWEEPS, TANDEM WITH 20 BBLS OF 40PPB FIRST RESPONSE</p> <p>GLADE EAST: 0% RETURNS (LOSING 928 BBLS AN HR) GLADE WEST: LOSING 220 BBLS AN HR @ 275 GPM</p> <p>**DRILLING AHEAD BLIND AND PUMPING SWEEPS, FLUID STAYING WITHIN 28BBLS FROM SURFACE ON THE BACKSIDE**</p>
	7:45 9:30	1.75	31PRDR	DRILL	MTRV ER	P	17,433	<p>ATTEMPT RANGING RUN SURVEY - HAD ISSUES WITH HALLIBURTON POWER SUPPLY ***NO RETURNS WHILE PUMPING AND CYCLING PUMPS***</p>
	9:30 12:30	3.00	31PRDR	STKP	STKD S	PT	17,433	<p>AFTER RANGING RUN ATTEMPTED TO GO BACK TO ROTATING DRILL STRING</p> <p>- TORQUE MAXED OUT AT 32K - ATTEMPTED TO WORK PIPE - RELEASED TORQUE AND ATTEMPTED TO PULL 630K WITH PUMPS UNABLE TO PULL - LOWERED PUMP RATE TO 450GPM WORKED TORQUE IN AND OUT OF THE STRING TO 35K - BUILD 2X 50BBL HI-VIS SWEEPS AND PUMPED IT TO THE BIT WITH 650GPM - CONTINUED TO WORK TORQUE IN AND OUT OF THE STRING PULLING UP TO 550K AND DOWN TO 325K WHILE SWEEPS CAME AROUND - SENT 70BBL HI-VIS LCM SWEEP AT 750GPM WORKED STRING UP AND DOWN AND WRAPPED TORQUE TO 35K STRING BECAME FREE</p> <p>***VERY INTERMITTENT RETURNS WHILE PUMPING SWEEPS MOSTLY TOTAL LOSSES***</p>
	12:30 13:30	1.00	31PRDR	CIRC	CNDH OL	PT	17,433	<p>CIRCULATE ONCE FREE</p> <p>- PUMPING 20 BBLS OF 40 PPB DYNA FIBER, SAW DUST & NEW CARB SWEEPS, TANDEM WITH 20 BBLS OF 40PPB FIRST RESPONSE - ROTATE STRING TQ: 30-35K, RPM: 60-80 AND WORK STRING UP AND DOWN TO ESTABLISH THAT WE WERE NOT PACKING OFF, WEIGHT WAS NOT WANTING TO SHAKE OFF INITIALLY WITH ROTARY - TORQUE STARTED TO DROP OVER TIME LOWERED ROTARY TO 40 WITH 26K TORQUE</p>
	13:30 14:45	1.25	31PRDR	REAM	BKRM	PT	17,433	<p>REAM OUT OF THE HOLE 17,433' - 16,643'</p>

2.1 Operation Summary (Continued)

Date	Time Start-End	Hrs (hr)	Op Phase	Op Code	Op Sub	Op Type	Op Top MD (ft)	Op Details
	14:45 20:45	6.00	31PRDR	CIRC	CNDH OL	PT	17,433	<p>ATTEMPT TO CIRCULATE AT 16,643'</p> <p>FIRST ATTEMPT: - PUMP 50BBLs OF 20PPB FIRST RESPONSE, MIXED WITH 20PPB DYNAFIBER, NEWCARB, AND SAWDUST BLEND - PUMP LCM SWEEP TO BIT AND SHUT IN WHILE PUMPING AND ATTEMPT TO SQUEEZE INTO FORMATION - PUMPING 3BBLs/MIN DOWN THE DRILL STRING AND 3BBLs/MIN DOWN THE BACKSIDE WE WERE ABLE TO SQUEEZE LCM INTO FORMATION WE HELD 40-60PSI AFTER 27BBLs WERE PUMPED - HESITATE FOR 15 MINS - CONTINUED SQUEEZE DID NOT SEE CASING PSI AFTER THE HESITATION - OPENED UP THE WELL AND CIRCULATED AT 650GPM WITH 45% RETURNS</p> <p>SECOND ATTEMPT: - PUMP 50BBLs OF 20PPB FIRST RESPONSE, MIXED WITH 20PPB DYNAFIBER, NEWCARB, AND SAWDUST BLEND - PUMP LCM SWEEP TO BIT AND SHUT IN WHILE PUMPING AND ATTEMPT TO SQUEEZE INTO FORMATION - PUMPING 3BBLs/MIN DOWN THE DRILL STRING AND 3BBLs/MIN DOWN THE BACKSIDE WE WERE ABLE TO SQUEEZE LCM INTO FORMATION WE HELD 40-60PSI AFTER 28BBLs WERE PUMPED - DID NOT HESITATE AND CONTINUED PUMPING MAINTAINING 40-60PSI - OPENED UP THE WELL AND CIRCULATED AT 650GPM WITH 45% RETURNS</p> <p>CIRCULATE AT 650GPM WITH 40-45% RETURNS WHILE BUILDING X-PRIMA SWEEP: - PUMP 50BBLs OF 20PPB FIRST RESPONSE, MIXED WITH 20PPB DYNAFIBER, NEWCARB, AND SAWDUST BLEND - CHASE LCM SWEEP WITH 50BBLs OF 100PPB X-PRIMA - PUMP LCM SWEEPS TO BIT, SHUT IN WHILE PUMPING AND ATTEMPT TO SQUEEZE INTO FORMATION -</p>
	20:45 0:00	3.25	31PRDR	CIRC	CNDH OL	PT	17,433	<p>SQUEEZE JOB - PUMP 50 BBLs OF 40 PPB FIRST RESPONSE, DYNAFIBER, SAWDUST & NEWCARB - PUMP 50 BBLs OF 100 PPB X-PRIMA WITH 10 PPB WALNUT - AS LCM EXITED THE BIT WE OPENED UP HCR, SHUT IN UPPER PIPE RAMS AND CLOSED CHOKE - PUMPED 15 BBLs MUD EXTRA OUTSIDE OF PIPE - NO PRESSURE OBSERVED ON CASING WHILE PUPMING - WAITED FOR 15 MIN - PUMPED 10 BBLs MUD DOWN PIPE (NO PRESSURE ON CASING) - WAITED 30 MINTES - PUMPED 10 BBLs MUD DOWN PIPE (NO PRESSURE ON CASING) - WAITED 30 MINUTES - PUMPED REMAINDER OF CALCULATED X-PRIMA (13 BBLs) INTO FORMATION PLUS 6 BBLs AND CASING PRESSURE BUILT TO 70 PSI. - SHUT DOWN PUMPS AND PRESSURE FELL TO 0 PSI AFTER A FEW SECONDS - WAITED 30 MINUTES</p>
6/28/2025	0:00 0:15	0.25	31PRDR	CIRC	CNDH OL	PT	17,433	<p>- FINISH 30 MINUTE WAIT TIME - PUMPED REMAINDER OF X-PRIMA INTO VOID (NO CASING PRESSURE OBSERVED)</p>

2.1 Operation Summary (Continued)

Date	Time Start-End	Hrs (hr)	Op Phase	Op Code	Op Sub	Op Type	Op Top MD (ft)	Op Details
	0:15 1:15	1.00	31PRDR	CIRC	CNDH OL	PT	17,433	CIRCULATE WHILE BUILDING X-PRIMA SQUEEZE PILL (RETURNS STARTED @ 80% AND FELL TO 38%)
	1:15 2:45	1.50	31PRDR	CIRC	CNDH OL	PT	17,433	SQUEEZE JOB - PUMP 75 BBLS OF 40 PPB FIRST RESPONSE, DYNAFIBER, SAWDUST & NEWCARB - PUMP 50 BBLS OF 100 PPB X-PRIMA WITH 10 PPB WALNUT - AS LCM EXITED THE BIT WE OPENED UP HCR, SHUT IN UPPER PIPE RAMS AND CLOSED CHOKE - WITH 25 BBLS OF NEWPARK LCM IN ANNULUS CASING PRESSURE CLIMBED TO 75 PSI @ 4BPM - WHICH AT THIS POINT 50 BBLS OF NEW PARK SWEEP AND 50 BBLS OF X-PRIMA LEFT IN PIPE - BACKED FLOW RATE DOWN TO .5 BPM AND CASING PRESSURE CLIMED TO 120 PSI - KILLED PUMP AND CASING PRESSURE FELL TO 60 PSI. - OPENED UP PIPE RAMS AND PUMPED REMAINDER OF NEW PARKS / X-PRIMA OUT OF THE PIPE
	2:45 3:00	0.25	31PRDR	TRIP	DRILL	PT	17,433	T.O.OH 5 STANDS - ON 5TH STAND WAS UNABLE TO PICK UP WITH PUMPS / ROTARY PRESSURING UP AND TORQUING OUT - RAN BACK IN HOLE WITH 1 STAND (ABLE TO SLACK OFF)
	3:00 5:15	2.25	31PRDR	CIRC	CNDH OL	PT	17,433	CIRCULATE BOTTOMS UP (10% - 40% RETURNS)
	5:15 8:00	2.75	31PRDR	REAM	PRRM	PT	17,433	PUMP OUT OF HOLE F/ 17,433' - T/ 13,200'
	8:00 8:45	0.75	31PRDR	CIRC	CNDH OL	PT	17,433	CIRCULATE 1.5 B/U AT 13,200' - 50-55% RETURNS - MAKE SURE NO LCM IS ABLE TO FALL IN ON THE BHA
	8:45 13:30	4.75	31PRDR	TRIP	DRILL	PT	17,433	TOOH 13,200' - BHA - PULL ROTATING HEAD AT 1,200' *** HOLE TAKING 5-6 TIMES CALCULATED DISPLACEMENT LOSING 100BBLS/HR ***
	13:30 16:00	2.50	31PRDR	TRIP	BHA	PT	17,433	HELD PJSM WITH SCOUT - RACK 7 STDS 5.5" HWDP - LAY DOWN 2 STDS 6.5" COLLARS - RACK 1 STDS 6.5" COLLARS - CHECK FILTER SUB, FULL OF LCM IN IT - RACK BACK TOP MONELS AND STABILIZER - LAY DOWN MWD TOOLS, NMPC, STABILIZER, BLACK BOX, MOTOR, AND BIT - BIT GRADE 1:8, WITH WEAR ON THE GAUGE CUTTERS AND THE TOP OF THE GAUGE
	16:00 16:30	0.50	31PRDR	RIGMT	SRVR IG	PT	17,433	RIG SERVICE
	16:30 17:00	0.50	31PRDR	TRIP	BHA	PT	17,433	MAKE UP TRI-CONE BIT AND BIT SUB WITH A FLOAT
	17:00 0:00	7.00	31PRDR	TRIP	COND	PT	17,433	TIH F/ BHA - T/ 14,500' - FILLED PIPE @ 6,000' - INSTALL ROTATING RUBBER AND FILL PIPE AT 11,100' (90% RETURNS) - FILLED PIPE @ 14,500' (94% RETURNS)
	6/29/2025	0:00 0:45	0.75	31PRDR	TRIP	DRILL	PT	17,433
0:45 2:00		1.25	31PRDR	CIRC	CNDH OL	PT	17,433	CIRCULATE BOTTOMS UP AT 15,550' - RETURNS STARTED @ 60%, AT BOTTOMS UP HOLE UNLOADED WITH LCM - PUMP 20 BBLS OF 60 PPB LCM SWEEP, RETURNS @ 90% AFTER SWEEP OUT OF HOLE
2:00 2:15		0.25	31PRDR	TRIP	DRILL	PT	17,433	TIH F/ 15,550' - T/ 16,000' - FILLED PIPE @ 16,000' (RETURNS 70%)

2.1 Operation Summary (Continued)

Date	Time Start-End	Hrs (hr)	Op Phase	Op Code	Op Sub	Op Type	Op Top MD (ft)	Op Details
	2:15 4:30	2.25	31PRDR	REAM	PRRM	PT	17,433	WASH DOWN F/ 16,000' - T/ 17,433' 2 STANDS FROM BOTTOM FLOW FELL FROM 85% RETURNS TO 40% RETURNS.
	4:30 6:00	1.50	31PRDR	CIRC	CNDH OL	PT	17,433	CIRCULATE HOLE CLEAN 17,433' - PUMPED 2X 60PPB SWEEPS RETURNS VARIED 20 - 40% - AT CALCULATED BOTTOMS UP STROKES, FLOW FELL 0 - 10%
	6:00 7:15	1.25	31PRDR	REAM	BKRM	PT	17,433	BACK REAM OUT F/ 17,433 - T/ 16,500' (NO RETURNS)
	7:15 9:00	1.75	31PRDR	CIRC	CNDH OL	PT	17,433	CIRCULATE HOLE CLEAN 16,500' - PUMPED 40BBL 50PPB LCM SWEEP RETURNS 10-15% - CIRCULATED 1.5X BOTTOMS UP
	9:00 16:45	7.75	31PRDR	CIRC	CNDH OL	PT	17,433	CIRCULATE MONITOR RETURNS AND ESTABLISH INJECTION RATES - NO RETURNS - BULLHEAD 580BBLS OF FRESH WATER DOWN THE BACK SIDE TO MAKE SURE CLEAN COLUMN OF WATER - KEEP HOLE FULL WHILE WAITING ON HALLI BURTON TO BE READY
	9:00 9:00	0.00	31PRDR	REAM	BKRM	PT	17,433	PUMP OUT OF THE HOLE TO KEEP POTENTIAL LCM MOVING UP THE HOLE 16,500' - 13,400'
	16:45 20:00	3.25	31PRDR	CMT	REM	PT	17,433	PJSM WITH HALLIBURTON AND RIG UP IRON PUMP CEMENT JOB: - TEST LINES TO 3500PSI - 50 BBLS FRESH WATER - 20 BBLS CAL CHLORIDE - 10 BBLS FRESH WATER - 20 BBLS SUPER FLUSH - 10 BBLS FRESH WATER - 275 BBLS 14.5 PPG CEMENT - SHUT WELL IN AT 217 BBLS CEMENT PUMPED TO BEGIN SQUEEZE SHUT DOWN AND HAND IT OVER TO THE RIG FOR DISPLACEMENT: - PUMP 306.8 BBLS (3077 STROKES) FRESH WATER AT 8 BPM **CASING PSI DURING SQUEEZE 0, RETURNS DURING THE JOB 0**
	20:00 20:30	0.50	31PRDR	CMT	RIGU P	PT	17,433	RIG DOWN CEMENTERS OPEN UPPER PIPE RAMS
	20:30 21:30	1.00	31PRDR	TRIP	DRILL	PT	17,433	T.O.O.H F/ 13,425' -T/ 11,150' @ 40 FPM
	21:30 0:00	2.50	31PRDR	CMT	WOC	PT	17,433	WAIT 12 HOURS ON CEMENT (08:00 06/30/2025) - UPPER PIPE RAMS CLOSED / CHOKE CLOSE ** CIRCULATING ON GLADE WEST @ 313 GPM AND LOSING 260 BBLS AN HR**
6/30/2025	0:00 12:00	12.00	31PRDR	CMT	WOC	PT	17,433	WAIT ON CEMENT - UPPER PIPE RAMS CLOSED / CHOKE CLOSED - SLIP AND CUTR DRILL LINE WHILE WOC ** CIRCULATING ON GLADE WEST @ 313 GPM AND LOSING 260 BBLS AN HR**
	12:00 13:00	1.00	31PRDR	CIRC	CNDH OL	PT	17,433	CIRCULATE 1.5 BOTTOMS UP - RETURNS AT 99% WHILE PUMPING AT 650GPM
	13:00 14:00	1.00	31PRDR	TRIP	COND	PT	17,433	TRIP IN 11,120' - 13400'

2.1 Operation Summary (Continued)

Date	Time Start-End	Hrs (hr)	Op Phase	Op Code	Op Sub	Op Type	Op Top MD (ft)	Op Details
	14:00 15:00	1.00	31PRDR	CIRC	CNDH OL	PT	17,433	CIRCULATE BOTTOMS UP MONITOR RETURNS - RETURNS AT 99% PUMPING AT 650 GPM - SHUT IN AND APPLY 150 PSI TO CASING AT .5 GPM, SHUT BDOWN PSI BLED DOWN TO 130 OVER 1 MIN
	15:00 15:45	0.75	31PRDR	TRIP	COND	PT	17,433	TRIP IN 13,400' - 14,473'
	15:45 17:00	1.25	31PRDR	CIRC	CNDH OL	PT	17,433	TAGGED CEMENT AT 14,473' - DRILL CEMENT TO 14,505' 650GPM, 30RPM, 25WOB DRILLED AT 250ROP - CIRCULATE BOTTOMS UP - CEMENT RETURNS TO SURFACE AT BOTTOMS UP - 99% RETURNS LOSSES 15-20BBL/HR
	17:00 22:30	5.50	31PRDR	TRIP	DRILL	PT	17,433	TRIP OUT F/ 14,505' - T/ HWDP HOLE TOOK CALCULATED FILL
	22:30 23:00	0.50	31PRDR	TRIP	BHA	PT	17,433	RACK BACK 7 STANDS OF HWDP L/D TRI-CONE & BIT SUB
	23:00 0:00	1.00	31PRDR	TRIP	BHA	PT	17,433	PJSM WITH DIRECTIONAL CREW - MAKE UP ULTERRA SCR813 & .5° (-.024 FIT) CAM SCOUT MUD MOTOR - SCRIBE - INSTALL QUANTIUM MWD
7/1/2025	0:00 1:45	1.75	31PRDR	TRIP	BHA	PT	17,433	- RUN IN HOLE 3 STANDS OF 6.5" COLLARS AND 7 STANDS OF HWDP
	1:45 6:00	4.25	31PRDR	TRIP	DRILL	PT	17,433	TRIP IN HOLE F/ 1,034' - T/ 14,505' - FILLED PIPE @ 3,000' - FILLED PIPE & TEST MWD @ 5,950', TEMP 155° - FILLED PIPE & INSTALLED ROTATING HEAD @ 8,900', MWD TEMP 213° - FILLED PIPE @ 11,200', MWD TEMP 243°, COOLED TO 204° - FILLED PIPE @ 13,300', MWD TEMP 263°, COOLED TO 235° GLADE WEST: LOSING 260 BBL/AN HOUR WHILE CIRCULATING
	6:00 12:30	6.50	31PRDR	REDR L	CLN WEL	PT	17,433	DRILL OUT CEMENT F/ 14,505' - T/ 14,970' - DRILLING CEMENT WITH 650 GPM, 30 RPM, 5-10 WOB, ROP LIMITED TO 280 TO ENSURE PROPER HOLE CLEANING AND CUTTINGS LIFT, KEEPING NO MORE THAN 3 SWEEPS IN THE HOLE AT ONCE - PUMPING 10BBL, 40VIS SWEEPS EVERYSTAND, CEMENT "CUTTINGS" COMING BACK PRETTY SOFT - SHAKERS BLINDING OFF OFTEN WITH LCM BLENDED WITH CEMENT COMING BACK Drilled to 14,933', started to experience lost WOB, diff, and started to lose volume 60% returns 250bbls/hr losses. Pumped 50bbl 45ppb lcm sweep gained returns to 78%. Drilled to 14,977' found top of cement again. Tripped to 14,900' and established injection rates 2.5bpm=82psi to 4bpm=183psi. Circulated and returns were at 60%. Currently tripping to 14,307' and mixing an Xprima sweep to inject into loss zone.
	12:30 14:45	2.25	31PRDR	CIRC	CNDH OL	PT	17,433	PUMP 50 PPB NEW PARK SWEEPS, 60% REURNS
	14:45 15:00	0.25	31PRDR	TRIP	DRILL	PT	17,433	T.O.O.H F/ 14,970' - T/ 14,025'
	15:00 16:00	1.00	31PRDR	CIRC	CNDH OL	PT	17,433	CIRCULATE WHILE BUILDING X-PRIMA SQUEEZE MATERIAL

2.1 Operation Summary (Continued)

Date	Time Start-End	Hrs (hr)	Op Phase	Op Code	Op Sub	Op Type	Op Top MD (ft)	Op Details
	16:00 19:30	3.50	31PRDR	CIRC	CNDH OL	PT	17,433	X-PRIMA SQUEEZE JOB - PUMP 40 BBLs OF 100 PPB X-PRIMA WITH 10 PPB NUT PLUG - AS X-PRIMA EXITED THE BIT BIT WE CLOSED IN ON THE ANNULUS - CASING PRESSURE CLIMED TO 260 PSI - OPENED UP PIPE RAMS - T.O.O.H 3 STANDS - CLOSED IN UPPER PIPE RAMS / LINED UP ON KILL LINE - PUPMED 53 STROKES, CASING PRESSURE CLIMED TO 300 PSI - WAITED 5 MIN, PRESSURE FELL TO 148 PSI (SUPER CHOKE LEAKING BY, CLOSED MANUAL) - PUMPED 28 STKS, CASING PRESSURE CLIMED TO 328 PSI - WAITED 15 MIN, PRESSURE FELL TO 175 PSI - PUMPED 37 STK, CASING PRESSURE CLIMED TO 400 PSI - WAITED 1 HOUR, PRESSURE FELL TO 110 PSI - OPENED UP AND PUMPED 650 GPM, 100% RETURNS
	19:30 19:45	0.25	31PRDR	TRIP	DRILL	PT	17,433	TRIP IN F/ 14,025' - T/ 14,500'
	19:45 20:45	1.00	31PRDR	CIRC	CNDH OL	PT	17,433	PUMP 20 BBL 50 PPB NEW PARK SWEEP @ 450 GPM AND SPOT OUTSIDE OF BIT SHAKERS FLOODING OVER DUE TO LCM
	20:45 21:00	0.25	31PRDR	REAM	PRRM	PT	17,433	WASH / REAM IN HOLE F/ 14,500' - T/ 14,970' - PUMPED PUMP 20 BBL 50 PPB NEW PARK SWEEP @ 14,900', 450 GPM
	21:00 0:00	3.00	31PRDR	REDR L	CLN WEL	PT	17,433	DRILL CEMENT F/ 14,970' - T/ 15,483' 600 GPM WOB 12K ROTARY 30 PUMPED 10 - 15 BBLs 50 PPB LCM SWEEPS EVERY STAND SWEEPS COMING BACK ON CALCULATED STROKES CONTROL DRILL @ 325 ROP DUE TO SHAKERS FLOODING OVER
7/2/2025	0:00 3:00	3.00	31PRDR	REDR L	CLN WEL	PT	17,433	DRILL CEMENT F/ 15,483' - T/ 16,010' GPM - 650 WOB - 12K ROTARY - 30 DIFF. - 200 PUMPING 10 - 15 BBLs 50 PPB LCM SWEEPS EVERY OTHER STAND SWEEPS COMING BACK ON CALCULATED STROKES CONTROL DRILL @ 325 ROP DUE TO SHAKERS FLOODING OVER **Was drilling cement @ 16,000' when flow, wob and spp fell off. Returns fell from 100% to 40%**
	3:00 4:00	1.00	31PRDR	CIRC	CNDH OL	PT	17,433	CIRCULATE OUT LCM SWEEP (RETURNS 46%)
	4:00 4:15	0.25	31PRDR	TRIP	DRILL	PT	17,433	T.O.O.H F/ 16,010' - T/ 15,350' (7 STANDS)

2.1 Operation Summary (Continued)

Date	Time Start-End	Hrs (hr)	Op Phase	Op Code	Op Sub	Op Type	Op Top MD (ft)	Op Details
	4:15 13:30	9.25	31PRDR	CIRC	CNDH OL	PT	17,433	<p>CIRCULATE WHILE BULDING X-PRIMA PILL</p> <ul style="list-style-type: none"> - GET INJECTION RATES - PUMP 40 BBLS OF 100 PPB X-PRIMA WITH 10 PPB NUT PLUG - AS X-PRIMA EXITED THE BIT WE CLOSED IN ON THE ANNULUS - CASING PRESSURE CLIMED TO 257 PSI WITH 3.0 BPM - WAIT 15 MINUTES, PRESSURE FELL TO 0 PSI - PUPMED 30 STROKES, CASING PRESSURE CLIMED TO 300 PSI - WAITED 15 MIN, PRESSURE FELL TO 0 PSI - PUMPED 60 STK, CASING PRESSURE CLIMED TO 336 PSI WHEN PRESSURE BROKE OVER AND FELL TO 0 PSI - OPENED UP AND PUMPED 650 GPM, 85% RETURNS <p>CIRCULATE AND BUILD X-PRIMA PILL</p> <ul style="list-style-type: none"> - PUMP 30 BBLS OF 100 PPB X-PRIMA WITH 10 PPB NUT PLUG - AS X-PRIMA EXITED THE BIT WE CLOSED IN ON THE ANNULUS - CASING PRESSURE CLIMBED TO 350 PSI WITH ONLY 10 BBLS OUTSIDE OF BIT - OPENED UP PIPE RAMS - CIRCULATE REST OF X-PRIMA OUT OF BHA - T.O.O.H 3 STANDS - CIRCULATE 2000 STROKES - CLOSED IN UPPER PIPE RAMS - PUPMED 185 STROKES, CASING PRESSURE CLIMED TO 150 PSI - WAITED 15 MIN, PRESSURE FELL TO 0 PSI - PUMPED 28 STKS, CASING PRESSURE CLIMED TO 212 PSI - WAITED 15 MIN, PRESSURE FELL TO 0 PSI - PUMPED 23 STK, CASING PRESSURE CLIMED TO 262 PSI - WAITED 15 MIN, PRESSURE FELL TO 71 PSI - PUMPED 25 STK, CASING PRESSURE CLIMED TO 304 PSI - WAITED 15 MIN, PRESSURE FELL TO 78 PSI - OPENED UP AND PUMPED 650 GPM, 100% RETURNS
	13:30 15:45	2.25	31PRDR	REAM	PRRM	PT	17,433	<ul style="list-style-type: none"> - WASH BACK TO BOTTOM - DOWNLINK MWD - WHILE WASHING TO BOTTOM AT 16,004' LOSSES START BACK UP WITH 67% RETURNS
	15:45 0:00	8.25	31PRDR	REDR L	CLN WEL	PT	17,433	<p>DRILL CEMENT F/ 16,010' - T/ 17,345'</p> <p>GPM - 650 WOB - 9/12K ROTARY - 30 DIFF - 200</p> <p>PUMPING 10 - 15 BBLS 40 PPB LCM SWEEPS EVERY STAND RETURNS GET BETTER AS DRILLING AHEAD UP FROM 67% TO 94% ** STOPPED FOR 20MINS TO CLEAN OUT 3 SIDED FROM LCM AND CUTTINGS BLINDING SHAKERS**</p> <p>We drilled cement to 17,307' and started to experience losses at 300bbbls/hr with 67% returns. Drilled to find toc at 17,345'. Had a 30bbl lcm sweep in the pipe that hit and helped maintain loss rate. Continued to circulate and started building Xprima sweep losses rose to 500bbbls/hr 45% returns.</p>

7/3/2025

2.1 Operation Summary (Continued)

Date	Time Start-End	Hrs (hr)	Op Phase	Op Code	Op Sub	Op Type	Op Top MD (ft)	Op Details
	0:00 1:30	1.50	31PRDR	CIRC	CNDH OL	PT	17,433	ATTEMPT TO ESTABLISH INJECTION RATES - UNABLE TO BUILD ANY PSI WITH 8BPM - BREAK CIRCULATION, 25-30% RETURNS - SPOT 40BBL/40PPB LCM SWEEP ON BOTTOM
	1:30 2:30	1.00	31PRDR	TRIP	COND	PT	17,433	TRIP OUT 17,345' - 16,235'
	2:30 9:00	6.50	31PRDR	LCIRC	LCM	PT	17,433	CIRCULATE WHILE BUILDING X-PRIMA PILL - GET INJECTION RATES - PUMP 70 BBLS OF 100 PPB X-PRIMA WITH 10 PPB NUT PLUG - AS X-PRIMA EXITED THE BIT WE CLOSED IN ON THE ANNULUS - CASING PRESSURE CLIMBED TO 160 PSI WITH 4.0 BPM - WAIT 30 MINUTES, PRESSURE FELL TO 0 PSI - PUMPED 150 STROKES, CASING PRESSURE CLIMBED TO 200 PSI - WAITED 30 MIN, PRESSURE FELL TO 0 PSI - PUMPED 150 STROKES, CASING PRESSURE CLIMBED TO 200 PSI - WAITED 60 MIN, PRESSURE FELL TO 0 PSI - OPENED UP AND PUMPED 650 GPM, 93% RETURNS
	9:00 9:45	0.75	31PRDR	REAM	PRRM	PT	17,433	TRIP IN HOLE 8 STANDS WASHING LAST 3 DOWN -WHILE WASHING PAST LOST ZONE RETURNS SLOWED TO 78%
	9:45 10:45	1.00	31PRDR	REDR L	CLN WEL	PT	17,433	DRILL CEMENT F/ 17,345' - T/ 17,433' GPM - 650 WOB - 9/12K ROTARY - 30 DIFF - 200 PUMPING 20 BBLS 40 PPB LCM SWEEPS EVERY STAND RETURNS WERE 78% TO 82%
	10:45 17:00	6.25	31PRDR	DRILL	MTRV ER	P	17,433	DRILL F/ 17,433' - T/ 18,005' WOB: 55K RPM: 30 - 40 MOTOR RPM: 157 GPM: 655 SPP: ON / 3200, OFF / 2900 DIFF: 300 TORQ ON/OFF: 29.5K / 32.5K MUD WT: 8.4 VIS: 27 P/U 630K S/O 421K ROT 495K MWD TEMP: 190° FLOW LINE TEMP TEMP: 106° SUCTION TEMP: 93° PUMPING 20 BBLS OF 40 PPB DYNA FIBER, SAW DUST & NEW CARB SWEEPS, AND 20 BBLS OF 30PPB FIRST RESPONSE EACH STAND SWITCHING BACK AND FORTH. RETURNS FLUCTUATED BETWEEN 67% AND 85%
	17:00 20:00	3.00	31PRDR	TRIP	COND	PT	18,005	TRIP OUT 18,005' - 16,934' - GET INJECTION RATES AT 17,971' - 2.5 BPM = 0 PSI CASING PRESSURE - 3.5 BPM = 85 PSI CASING PRESSURE - 4.0 BPM = 100 PSI CASING PRESSURE

2.1 Operation Summary (Continued)

Date	Time Start-End	Hrs (hr)	Op Phase	Op Code	Op Sub	Op Type	Op Top MD (ft)	Op Details
	20:00 23:00	3.00	31PRDR	LCIRC	LCM	PT	18,005	CIRCULATE WHILE BULDING X-PRIMA PILL - PUMP 50 BBLS OF 100 PPB X-PRIMA WITH 10 PPB NUT PLUG - AS X-PRIMA EXITED THE BIT WE CLOSED IN ON THE ANNULUS - CASING PRESSURE CLIMBED TO 244 PSI WITH 3.5 BPM AND BROKE OVER DROPPING TO 0 FINISHED DISPLACEMENT, VERIFIED BACKSIDE WAS FULL - WAIT 30 MINUTES WITH 0 PSI - PUPMED 55 STROKES, CASING PRESSURE CLIMBED TO 200 PSI - WAITED 15 MIN, PRESSURE FELL TO 0 PSI SLOWLY - PUMPED 42 STROKES, CASING PRESSURE CLIMBED TO 200 PSI - WAITED 30 MIN, PRESSURE FELL TO 0 PSI SLOWLY - OPENED UP AND PUMPED 650 GPM, 100% RETURNS
	23:00 0:00	1.00	31PRDR	REAM	PRRM	PT	18,005	TRIP IN HOLE WASHING FIRST 4 STANDS AND LAST STAND FROM 16,934' - 18,005' - AFTER WASHING PAST LOST ZONE RETURNS SLOWED TO 75-82%
7/4/2025	0:00 1:00	1.00	31PRDR	CIRC	CNDH OL	P	18,005	ESTABLISH LOSS RATES 175-225BBLS/HR WITH 75-82% RETURNS - DOWNLINK QUANTUM MWD TOOL BEFORE GOING DRILLING - CLEAR SHAKERS OF SWEEPS AND PUMP OUT 3-SIDED BIN
	1:00 17:00	16.00	31PRDR	DRILL	MTRV ER	P	18,005	DRILL F/ 18,005' - T/ 18,936' WOB: 57K RPM: 30 - 40 MOTOR RPM: 157 GPM: 655 SPP: ON / 3,400 OFF / 3,000 DIFF: 400 TORQ ON/OFF: 32.5K / 36.5K MUD WT: 8.4 VIS: 27 P/U 630K S/O 400K ROT 507K MWD TEMP: 224° FLOW LINE TEMP TEMP: 135° SUCTION TEMP: 112° PUMPING 20 BBLS OF 40 PPB DYNA FIBER, SAW DUST & NEW CARB SWEEPS RETURNS FLUCTUATED BETWEEN 85% - 99%
	17:00 18:00	1.00	31PRDR	CIRC	CNDH OL	PT	18,936	CIRCULATE CONDITION HOLE, PREPARE TO TRIP
	18:00 22:00	4.00	31PRDR	REAM	BKRM	PT	18,936	BACK REAM OUT OF HOLE FROM 18,936' - 17,000'
	22:00 0:00	2.00	31PRDR	TRIP	BHA	PT	18,936	TRIP OUT OF HOLE FROM 17,000' - 11,700' ***CLEANED DITCH MAGNETS 14.1# COLLECTED***
7/5/2025	0:00 5:15	5.25	31PRDR	TRIP	DRILL	PT	18,936	TRIP OUT OF THE HOLE 11,700' - BHA
	5:15 6:45	1.50	31PRDR	TRIP	BHA	PT	18,936	LAY DOWN 1 STAND OF 6.5" COLLARS, RACK BACK 2 STANDS OF 6.5" COLLARS AND 7 STANDS OF HWDP - DRAIN MUD MOTOR HAD 3/8" BEARING PLAY/ BREAK BIT - BIT GRADE - 8:8 SLIGHTLY CORED & RUNG OUT, CHIPPED/BROKEN CUTTERS - LAY DOWN BIT AND MOTOR - TOP STABILIZER IN GAUGE 1/4" UNDER GAUGE - LOWER STABILIZER IN GAUGE 1/4" UNDER GAUGE - MOTOR STAB 1/4" UNDER GAUGE

2.1 Operation Summary (Continued)

Date	Time Start-End	Hrs (hr)	Op Phase	Op Code	Op Sub	Op Type	Op Top MD (ft)	Op Details
	6:45 8:00	1.25	31PRDR	TRIP	BHA	PT	18,936	PJSM WITH DIRECTIONAL - MAKE UP ULTERRA SCR813 & 1.0° CAM SCOUT MUD MOTOR -.013 FIT - SCRIBE - INSTALL MWD - RUN IN HOLE 1 STAND 2 JOINTS OF 6.5" COLLARS LAYING DOWN TOP COLLAR ON 2ND STAND AND 4 STANDS OF HWDP - WELL STATIC WITH NO LOSSES
	8:00 9:00	1.00	31PRDR	RIGMT	SRVR IG	PT	18,936	CHANGE SAVER SUB AND GRABBER BOX DIES
	9:00 9:30	0.50	31PRDR	RIGMT	SRVR IG	PT	18,936	RIG SERVICE
	9:30 0:00	14.50	31PRDR	TRIP	DRILL	PT	18,936	TIH F/ 628' -T/ 17,616' INSTALLED ROTATING HEAD / FILL PIPE @ 9,159' MWD TEMP @ 9,159' / 190° MWD TEMP @ 10,112' / 213° MWD TEMP @ 11,053' / 231° MWD TEMP @ 11,996' / 246° ROT-40 GPM-454 TQ-12.3K MWD TEMP @ 12,956' / 253° ROT-40 GPM-454 TQ-12.9K MWD TEMP @ 13,894' / 271° ROT-40 GPM-454 TQ-15.0K MWD TEMP @ 15,038' / 284° ROT-40 GPM-454 TQ-17.5K MWD TEMP @ 16,000' / 265° ROT-40 GPM-657 TQ-19.5K MWD TEMP @ 17,000' / 265° ROT-40 GPM-657 TQ-23.5K MWD TEMP @ 17,900' / 265° ROT-40 GPM-657 TQ-28.5K
7/6/2025	0:00 2:15	2.25	31PRDR	TRIP	DRILL	PT	18,936	AFTER CHECKING ROTARY TQ DECISION WAS MADE TO TRIP OUT TO 17,000' TO PICK UP DRILL PIPE CENTRILIZERS - TRIP IN PICKING UP TORQUE REDUCING CENTRILIZERS WASHING DOWN AT 487GPM TO 18,005' - AT 18,005' HOLE TOOK WEIGHT AND DIFF SPIKED
	2:15 11:00	8.75	31PRDR	STKP	STKDS	PT	18,936	BECAME STUCK AT THE BIT 18,020' - ATTEMPTED TO WORK TORQUE DOWN TO THE BIT 25K WORKING PIPE FROM 420K - 630K - PUMP PSI STAYING AT 3800PSI WITH 485GPM, PREVIOUSLY 1600PSI WITH 485GPM - PUMPED NEOFLO AND HIGH VIS SWEEPS - PULLED 660K WITHOUT TORQUE - HAD TO CHANGE SAVER SUB - CONTINUED WORKING PIPE - HAD A PUMP GO DOWN AND WE WERE HOLDING 582K SHUT DOWN PUMPS AND HOOKLOAD FELL TO 512K, PICKED UP 610K AND WE WERE FREE
	11:00 12:30	1.50	31PRDR	CIRC	CNDH OL	PT	18,936	CIRCULATE AND CONDITION HOLE WHILE DISCUSSING PLAN FORWARD - DECISION WAS MADE TO CALL 18,936' TD AND TO TOOH FOR THRUBIT LOGS
	12:30 13:45	1.25	31PRDR	REAM	BKRM	P	18,936	BACK REAM OUT 18,005' - 17,520'
	13:45 23:30	9.75	31PRDR	TRIP	DRILL	P	18,936	TOOH 17,520' - BHA TO PICK UP THRU BIT LOGGING BHA
	23:30 0:00	0.50	31PRDR	TRIP	BHA	P	18,936	PJSM WITH SCOUT - LAY DOWN 4 STDS HWDP - LAY DOWN 3 JTS 6.5" COLLARS
7/7/2025	0:00 1:15	1.25	31PRDR	TRIP	BHA	P	18,936	LAY DOWN ENTIRE DIRECTIONAL ASSEMBLY
	1:15 1:45	0.50	31PRDR	TRIP	BHA	P	18,936	PJSM WITH SLB - MAKE UP THRUBIT LOGGING BHA
	1:45 8:15	6.50	31PRDR	TRIP	DRILL	P	18,936	TRIP IN BHA - 11,028' - INSTALL ROTATING HEAD FILL CIRCULATE AT 10,000'
	8:15 9:15	1.00	31PRDR	DRILL	CUTD LIN	P	18,936	SLIP AND CUR DRILL LINE

2.1 Operation Summary (Continued)

Date	Time Start-End	Hrs (hr)	Op Phase	Op Code	Op Sub	Op Type	Op Top MD (ft)	Op Details
	9:15 20:00	10.75	31PRDR	TRIP	DRILL	P	18,936	TRIP IN 11,028 - 18,890' - INSTALL ROTATING HEAD FILL CIRCULATE AT 10,000' - CIRCULATE SURFACE TO BIT ~12,000' - CIRCULATE SURFACE TO BIT ~14,000' - CIRCULATE SURFACE TO BIT ~16,000 - WASH AND REAM FROM 18,000' - 18,890' - WHILE WASHING AND REAMING TO BOTTOM AT 18,495' SAW A DROP IN STANDPIPE PRESSURE AND FLOW, WE WERE LOSING 360 BBL/HR 62% RETURNS WITH 650 GPM TO START WITH, GETTING WORSE AS WE CONTINUED IN TO HOLE TO 600+ BBL/HR ~36% RETURNS WITH 650 GPM.
	20:00 22:00	2.00	31PRDR	TRIP	WIPE R	P	18,936	TRIP OUT 18,890' - 18,320' - ESTABLISH POINT WHERE WE CAN SUCCESSFULLY PULL OUT OF HOLE WHILE LOGGING 18,605' TRIP IN HOLE 18,320' - 18,795' - TO BE ABLE TO COOL WELL WHERE LOGGING TOOLS WILL BE DEPLOYED
	22:00 0:00	2.00	31PRDR	CIRC	CNDH OL	P	18,936	CIRCULATE TO COOL WELL FOR LOGGING RUN - PUMPING 600GPM WITH 570BBL/HR LOSSES 33% RETURNS
7/8/2025	0:00 4:00	4.00	31PRDR	CIRC	CNDH OL	P	18,936	CIRCULATE TO COOL WELL FOR LOGGING RUN - PUMPING 600GPM WITH 570BBL/HR LOSSES 33% RETURNS
	4:00 8:45	4.75	31PRDR	LOG	WLW RK	P	18,936	PJSM WITH SLB FOR WIRELINE - RIG UP AND RUN WIRELINE TOOLS - DEPLOY SLB TEMPERATURE TOOL WHILE PUMPING 270 GPM - CONFIRM TOOL IS WORKING AND MONITOR TEMPERATURE WHILE RUNNING IN HOLE - 163° INSIDE PIPE, 327° IN UNCIRCULATED HOLE - RETRIEVE WIRE LINE - RIG DOWN WIRELINE - LOSSES WHILE KEEPING HOLE FULL ~600 BBLS / HR
	8:45 12:15	3.50	31PRDR	CIRC	CNDH OL	P	18,936	CIRCULATE TO COOL WELL FOR LOGGING RUN - PUMPING 650GPM WITH 600 - 1260 BBL/HR - RACK 3 STANDS FROM 18,794' - 18,511'
	12:15 17:00	4.75	31PRDR	LOG	WLW RK	P	18,936	PJSM WITH SLB FOR WIRELINE - RIG UP AND RUN WIRELINE TOOLS - DEPLOY SLB LOGGING TOOL WHILE PUMPING 270 GPM - TOOL TURNED ON 15 MINUTES AFTER LANDING - 232° RISING 0.5° PER MINUTE TO 242° - RELEASE AND RETRIEVE WIRE LINE - RIG DOWN WIRELINE - LOSSES WHILE KEEPING HOLE FULL ~600 BBLS / HR
	17:00 0:00	7.00	31PRDR	LOG	DPLOG	P	18,936	LOG OUT OF HOLE FROM 18,511' - 13,750' - LOGGING SPEED 900 FPH FROM 18,511' - 13,750' - LOSSES WHILE KEEPING HOLE FULL ~600 BBLS / HR - AT 14,850' LOSSES SLOWED TO ~220 BBLS/HR
	7/9/2025	0:00 4:30	4.50	31PRDR	LOG	DPLOG	P	18,936
4:30 8:45		4.25	31PRDR	LOG	RIGUP	P	18,936	RIG UP SLB WIRELINE - RETRIEVE THRUBIT LOGGING TOOLS - RIG DOWN LOGGING TOOLS
8:45 9:45		1.00	31PRDR	TRIP	PULD	P	18,936	TIH WITH HWDP F/ 10765' - 11,230' LAY DOWN HWDP
9:45 13:30		3.75	31PRDR	TRIP	COND	PT	18,936	TIH W/ DP / 10,765' - 17,935' DUE TO FAILED LOGGING RUN
13:30 15:30		2.00	31PRDR	CIRC	CNDH OL	PT	18,936	CIRCULATE TO COOL WELL FOR LOGGING RUN - PUMPING 650GPM WITH 520 BBL/HR LOSSES
15:30 20:00		4.50	31PRDR	CIRC	CNDH OL	PT	18,936	CONTINUE CIRCULATION UNTIL SLB IS READY - BUILDING AND TESTING TOOLS - SEVERAL ISSUES TESTING WITH BATTERIES - RACK 3 STANDS FROM 17,935' - 17,650' - PUMPING 650GPM WITH 720 BBL/HR LOSSES

2.1 Operation Summary (Continued)

Date	Time Start-End	Hrs (hr)	Op Phase	Op Code	Op Sub	Op Type	Op Top MD (ft)	Op Details
	20:00 0:00	4.00	31PRDR	LOG	WLW RK	PT	18,936	PJSM WITH SLB FOR WIRELINE - RIG UP AND RUN WIRELINE TOOLS - DEPLOY SLB LOGGING TOOL WHILE PUMPING 270 GPM - 234° RISING .3° PER MINUTE TO 257° - ATTEMPT TO RELEASE FROM THRUBIT TOOLS FAILED - PULL WIRELINE OUT OF THE HOLE - LOSSES WHILE KEEPING HOLE FULL ~300 BBLs / HR
7/10/2025	0:00 5:00	5.00	31PRDR	LOG	DPLO G	PT	18,936	LOGGING TOOLS FAILED TO RELEASE - PULL TOOLS OUT OF THE HOLE - RIG DOWN SLB TOOLS - TRIP IN 3 STANDS TO CIRCULATE WELL COOL WHILE SLB FIX AND TEST TOOLS AT SURFACE - RACK BACK 3 STANDS - RIG UP SLB TOOLS - LOSSES WHILE PUMPING 650 GPM, 720 BBLs/HR
	5:00 8:30	3.50	31PRDR	LOG	DPLO G	PT	18,936	PJSM WITH SLB FOR WIRELINE - RIG UP AND RUN WIRELINE TOOLS - DEPLOY SLB LOGGING TOOL WHILE PUMPING 270 GPM - 205° RISING 1.0° PER MINUTE TO 222° - RELEASE FROM THRUBIT TOOLS - PULL WIRELINE OUT OF THE HOLE - LOSSES WHILE KEEPING HOLE FULL 520 BBLs / HR
	8:30 18:30	10.00	31PRDR	LOG	DPLO G	PT	18,936	THRUBIT LOG FROM 17,656' - 10,735' - PUMP THE FIRST 2 STANDS OUT WITH 600 GPM 15 MINUTES A STAND - LOSING 400-600 BBL/HR WHILE KEEPING HOLE FULL
	18:30 21:30	3.00	31PRDR	LOG	RIGU P	PT	18,936	RIG UP AND RETRIEVE THRUBIT LOGGING TOOLS -RETRIEVE THRUBIT LOGGING TOOLS -RIG DOWN SLB WIRELINE TOOLS -SLB BEGIN DOWNLOADING DATA
	21:30 0:00	2.50	31PRDR	TRIP	PULD	P	18,936	- TRIP IN THE HOLE WITH DRILL PIPE 10,735' - 14,911' WHILE WAITING ON SLB TO CONFIRM LOGS WERE SUCCESSFUL
7/11/2025	0:00 1:30	1.50	31PRDR	TRIP	DRILL	P	18,936	TRIP 14,911' - 17,500' - WHILE WAITING ON CONFIRMATION FROM SLB OF SUCCESSFUL THRUBIT LOGS ** THRUBIT LOGS SUCCESSFUL **
	1:30 23:30	22.00	31PRDR	TRIP	PULD	P	18,936	LAY DOWN DRILLPIPE 17,500' - 3,000' - RUN IN AND LAY DOWN 26 STANDS IN DERRICK - LAY DOWN ALL DRILL PIPE AND SLB THRUBIT BHA - RIG DOWN ROTATING HEAD AND HYDRAULIC SLIPS ** HOLE TAKING 500 - 750 BBLs/HR WHILE LAYING DOWN **
	23:30 0:00	0.50	31PRDR	SRFE Q	RIGU P	P	18,936	PULL WEAR BUSHING
7/12/2025	0:00 1:00	1.00	31PRDR	BOP	CHRA MS	P	18,936	CHANGE CHECK VALVE ON KILL LINE - RIG UP TESTING EQUIPMENT
	1:00 6:00	5.00	31PRDR	BOP	TSTB OP	P	18,936	REVIEW JSA AND RIG UP WALKER TESTER TEST BOP AS FOLLOWS: - TEST #1 UPPER PIPES, IBOP, HCR, INSIDE CHOKE AND KILL - 250/5,000 PSI 5/10 - TEST #2 MAN IBOP, OUTSIDE CHOKE AND KILL, DART - 250/5,000 PSI 5/10 MIN - TEST #3 TIW, CHECK, CHOKE MAN INNER - 250/5,000 PSI 5/10 MIN - TEST #4 LOWER PIPES - 250/5,000 PSI 5/10 MIN - TEST #5 ANNULAR - 250/3500 PSI FOR 5/10 MIN - TEST #6 BLIND RAMS, CHOKE MAN OUTER - 250/5,000 PSI 5/10 MIN - TEST #7 SUPER CHOKE, MANUAL CHOKE - 5,000 PSI 10 MIN - INSTALL PACK-OFF WITH 2 WAY CHECK VALVE

2.1 Operation Summary (Continued)

Date	Time Start-End	Hrs (hr)	Op Phase	Op Code	Op Sub	Op Type	Op Top MD (ft)	Op Details
	6:00 13:30	7.50	31PRDR	BOP	RDBO P	P	18,936	NIPPLE DOWN BOP - WALK RIG BACK 30' - INSTALL FRAC VALVE - TEST FRAC VALVE - REMOVE 2 WAY CHECK VALVE - INSTALL BPV ** RELEASE RIG TO GLADE WEST ON 7/12/2025 AT 13:30 **