

Well Name	Castor #1	Rig Name/Number	
County	Weld	Location (Sec-T-R)	SESE SEC 28 8N 59W
State	CO	Supervisor	Matt Morgan (970) 889-0428
AFE #		Engineer	Taylor Heffner (281) 460-1517

Date: 2/17/2026 Tuesday

Rig Day 0

Daily Operations Summary			
Initial day of re-entry P&A, uncover and build casing back to ground level, restrict access.			
Detail Operations Summary			
Begin	End	Downtime	Description of Events
09:00	10:00		Capped well was previously located by survey crew. 811 call completed and clear.
10:00	10:45		PJSM to review hazards with trapped gasses/trenching. Move in Bohler WS backhoe, dig down ~3' to expose 10-3/4" casing. Remove cement sheath and expose cap.
10:45	11:30		Clean casing, hot tap casing cap, no gas or pressure present.
11:30	12:15		Weld slip x thread collar to 10 3/4 casing stub..
12:15	13:30		Set cellar ring and back-fill hole. Set livestock panels around cellar to prevent nearby cows from falling /
13:30	14:00		Load backhoe and release BWS
14:00	14:30		Location ready for upcoming MIRU.

Date: 2/20/2026 Friday

Rig Day 0

Daily Operations Summary			
Spot tanks, pumps, base beam, rig, lights, pipe wrangler, racks. LD Iron, transfer fluids from previous location.			
Waiting on rig repair before continuing.			
Detail Operations Summary			
Begin	End	Downtime	Description of Events
7:00	9:00		Rival set rig mats over underground gas line, build temp fence at entry.
9:00	13:00		Shalestone set containment for shaker, cuttings bin, mud & water tanks, rig and ancillary equipment. Axis crew travel to location.
13:00	16:00		Set Fluid Pro shaker, gas buster, cuttings bin. Axis measure and spot base beam.
16:00	17:30		Spot rig & stand up derrick.
17:30	19:00		Crew travel to yard
			Monday operations: Complete MIRU of iron & ancillary equipment. NU BOP.

Date: 2/23/2026 Monday

Rig Day 1

Daily Operations Summary			
Detail Operations Summary			
Begin	End	Downtime	Description of Events
5:30	7:00		Crew Travel to Location.
7:00	7:30		PJSM to review Carbon Shield/MDS contractor guidelines and expectations.
7:30	8:30		Set containment & spot 2 500 bbl tanks & axis cmt tank.
8:30	11:00		Ensign, fill fresh water tank w/ 2 loads. NU pin X pin 10 3/4" X 8 5/8" XO, 8 5/8" collar, 8 5/8 BH & 3K Larkin 8-5/8" x 11" wellhead flange. NU 3K 11" x 5K 7" spool. NU 7" single BOP w/ 3.5' pipe rams, NU 5K 7" x 7" mud cross w/ 3" wings. NU 7" double BOP w/ blinds/bottom & 2 7/8 pipe rams/top, Washington head and bird bath.
11:00	12:00		Function test BOP, replace fitting on Blind rams, Re- Function test good.
12:00	15:00		Assemble rig floor, PU & RU tongs, slips, connect to rig hydraulics. PU power swivel and run static lines.
15:00	16:30		Spot pipe racks load & Tally 6 drill collars & 87 jts 2 7/8 L80. Spot incinerator, RU 2" & 3" ground iron & Suction hose.
16:30	18:00		Crew Travel to Yard.
			Next operation: PU 6 3/4 tri-cone bit, drill out 10 sack surface cmt, TIH/drill to 200', PSI test Surface CSG. Drill out remainder of Surface CSG CMT & continue to TIH.

Date: 2/24/2026 Tuesday

Rig Day 2

Daily Operations Summary		
Drill out 10 sacks surface cmt, wash down to 125, drill wood & sand to 204', drill to 365' w/ cmt returns.		

Detail Operations Summary			
Begin	End	Downtime	
5:30	7:00		Crew travel to Location.
7:00	7:15		Pre-job safety meeting to review Carbon Shield and MDS expectations.
7:15	7:45		Test 2" iron 2000 psi, test 3" iron & BOP stack 500 psi, all test good.
7:45	8:15		PU 3.5" 27# drill collar#1, stab Washington Head rubber, MU 3.73" OD XO, 3.54" OD float, 4.25" OD sub and 6-3/4" tri-cone bit. Open blinds & land 3.5" washington rubber.
8:15	9:50		Establish circulation TIH tag 10 sk cap @ 12', drill thru 10 sks cap @ 24', PU wash down and hard tag 125' drill to 160', w/ wood & sand in returns.
9:50	10:40		PU # 6 drill collar continue to drill to 192'. w/ wood & sand in returns.
10:40	11:00		With BHA @ 192' psi test surface csg to 290 psi, good test 0 psi lost in 10 minutes.
11:00	11:30		PU 1st jt of 2 7/8 L80 stab & swap & land 2 7/8" washington rubber.
11:30	12:20		Drill to 204' w/ cmt & wood in returns, drill to 224' w/ only cmt in returns.
12:20	12:45		Crew lunch.
12:45	17:00		Drill to 354' w/ fine cmt in returns. Average 32' per hour. Trace of wood & rubber in returns @ 325' to 328'.
17:00	17:30		TOH LD 4 jts 2 7/8 L80.
17:30	18:00		Winterize Pump, lines, WH & FluidPro equip. SI & secure WH.
18:00	19:30		Crew Travel to Yard
			Planned ops 2/25/2026:Continue to drill out Surface cmt.

Date: 2/25/2026 Wednesday

Rig Day 3

Daily Operations Summary		

Begin	End	Downtime
5:30	7:00	
7:00	7:20	
7:20	7:45	
7:45	8:15	
8:15	8:40	PU jt #7 Swap out failed 2 7/8 Washington rubber.
8:40	10:10	Consistent ROP w/ sand & trace cmt in returns to 428'
10:10	11:00	W/ jt # 8 - 9' in, Slow ROP with over torque & chatter on Power swivel, thru obstruction @ 431',
11:00	14:10	12' out on jt #9, bit at 472' drill for 2.5 hrs. down to 481' w/ trace of solids in returns.
14:10	16:45	PU jt #10 drill to 499.3' avg ROP 1.2" per minute w/ fine to 3/16" cmt in returns,
16:45	17:30	LD 1 jt, RD power swivel, TOH LD 9 jts 2 7/8 - 6.5# L80 TBG, 6 - 3.5", 27# drill collars & BHA W/ 6 3/4 tri-cone.
17:30	18:00	Winterize Pump, lines, WH & FluidPro equip. SI & secure WH.
18:00	19:30	Crew Travel to Yard

Planned Operations:

Trip in Hole with 4 3/4 tri-cone bit, add clay control additives. Trip in hole with BHA and continue to drill in OH

Date: 2/26/2026 ThursdayRig Day 4

Daily Operations Summary			
Drill from 499' - 515' w/ 4 3/4 tri-cone, swap to 4 3/4" blade bit from 515' - 609'.			
Detail Operations Summary			
Begin	End	Downtime	
6:30	8:00		Crew travel to Location.
8:00	8:20		Pre-job safety meeting to review Carbon Shield and MDS expectations.
8:20	10:30		PU 1 - 3.5" drill collar, PU & make up 4 3/4 tricone bit w/ float & TIH, PU TIH w/ 5 drill collars, RU power swivel, wash down w/ 10 jts 2 7/8 L80 & tag @ 499'.
10:30	12:00		Drill to 515', trace sand, cmt & dehydrated mud in returns, avg ROP 2.4" per minute.
12:00	12:50		RD power swivel, TOH SB 10 jts 2 7/8 L80 & 6 drill collars, LD 4 3/4 tri-cone bit.
12:50	13:40		PU 4 3/4 blade bit & float, TIH w/ 6 drill collars & 10 jts, tag @ 515'.
13:40	14:50		PU jt # 11, Drill to 547', trace sand, cmt & dehydrated mud in returns, avg ROP 5.5" per minute.
14:50	15:45		PU jt # 12, Drill to 580', trace sand, cmt & dehydrated mud in returns, avg ROP 7.2" per minute.
15:45	16:05		Swap out failed 2 7/8 Washington rubber.
16:05	17:05		PU jt # 13, Drill to 612.5', trace sand, cmt & dehydrated mud in returns, avg ROP 5.8" per minute.
17:05	17:40		LD 1 jt, RD power swivel, TOH LD 9 jts 2 7/8 - 6.5# L80 TBG
17:40	18:00		Winterize Pump, lines, WH & FluidPro equip. SI & secure WH.
18:00	19:30		Crew travel to yard.
			Planned Operations:
			Trip in hole with 4 5/8" step bit and continue to drill in open hole.

Date: 2/27/2026 FridayRig Day 5

Daily Operations Summary			
Trip out of hole swap 4 3/4" blade bit for 4 5/8" step bit. Trip in hole drill from 609' to 1324', avg ROP ~ 2ft per minute.			
Dehydrated mud/clay in returns.			
Detail Operations Summary			
Begin	End	Downtime	
5:30	7:00		Crew travel to Location.
7:00	7:15		Pre-job safety meeting to review Carbon Shield and MDS expectations.
7:15	7:40		TOH LD 1 js 2 7/8 L80, SB 6 drill collars, LD 4 3/4 blade bit.
7:40	8:30		PU 4 5/8 step bit, TIH w/ 6 drill collars & 13 jts 2 7/8 L80, RU power swivel, PU #14 jt 2 7/8, wash down tag @ 609'.
8:30	11:54		Drill to 970', w/ dehydrated mud/clay across shaker, avg ROP ~ 2ft per minute.
11:54	12:50	1 hr	Swap out washington rubber, adjust derrick.
12:50	15:45		PU jts #25 - #35, Drill to 1324', w/ dehydrated mud/clay across shaker, avg ROP ~ 2ft per minute.
15:45	16:10		Circulate WB clean, w/ no solids across shaker, sd pump.
16:10	16:30		RD power swivel, TOH SB 34 jts 2 7/8 L80.
16:30	17:00		Winterize Pump, lines, WH & FluidPro equip. SI & secure WH.
17:00	18:30		Crew travel to yard.
			Planned ops 3/2/2026: Trip in hole with 4 3/4" step bit and continue to drill in open hole.

Date: 3/2/2026 Monday

Rig Day 6

Daily Operations Summary			
Drill from 1324' to 1716', avg ROP ~ 1ft per minute. TOH LD damaged 4 5/8 step Bit, PU new 4 5/8 step bit, TIH w/ drill Collars & 1 jt.			

Detail Operations Summary			
Begin	End	Downtime	
5:30	7:00		Crew travel to Location.
7:00	7:20		Pre-job safety meeting to review Carbon Shield and MDS expectations.
7:20	8:20		TIH w/ 30 jts & stake out @ 1197'.
8:20	8:55		RU power swivel & wash down to 1324'.
8:55	15:00		Drill to 1716", w/ dehydrated mud/clay across shaker, avg ROP ~ 1ft per minute.
15:00	15:25		Circulate WB clean, w/ no solids across shaker, sd pump.
15:25	16:40		RD power swivel, TOH LD 17, SB 30 jts 2 7/8 L80, SB 6 drill collars, LD 4 5/8 step bit. (1 upper step sheared off of bit)
16:40	17:40		PU new 4 5/8 step bit, TIH w/ 6 drill collars & 1 jt 2 7/8 L80.
17:40	18:00		Winterize Pump, lines, WH & FluidPro equip. SI & secure WH.
18:00	19:30		Crew travel to yard.
			Planned ops 3/3/2026: Trip in hole with new 4 3/4" step bit and continue to drill in open hole.

Date: 3/3/2026 Tuesday

Rig Day 7

Daily Operations Summary			
Drill in open hole from 1716' to 2068', avg ROP ~ 1ft per minute.			

Detail Operations Summary			
Begin	End	Downtime	
5:30	7:00		Crew travel to Location.
7:00	7:15		Pre-job safety meeting to review Carbon Shield and MDS expectations.
7:15	7:40		TIH w/ 30 jts & stake out @ 1197'.
7:40	8:10		Swap out Ensign FW tank.
8:10	9:00		TIH w/ 13 jts & stack out w/ jt # 47 10' in @ 1691', LD 1 jt & RU power swivel
9:00	9:10		Wash down 1700' & lost returns.
9:10	10:00	50 minutes	Clear out plugged 3" return line.
10:00	17:00		Drill to 2068", w/ mud/clay across shaker, avg ROP ~ 1ft per minute.
17:00	17:20		Circulate
17:20	18:10		LD 1 jt 2 7/8 L80, RD power swivel, TOH LD 5 jts 2 7/8 L80, SB 52 jts 2 7/8 L80.
18:10	18:30		Winterize Pump, lines, WH & FluidPro equip. SI & secure WH.
18:30	20:00		Crew travel to yard.
			Planned ops 3/4/2026: Trip in hole continue to drill in open hole.

Date: 3/4/2026 Wednesday

Rig Day 8

Daily Operations Summary			
Drill in open hole from 2068' to 2523', avg ROP ~ 1ft per minute.			
Detail Operations Summary			
Begin	End	Downtime	
5:30	7:00		Crew travel to Location.
7:00	7:10		Pre-job safety meeting to review Carbon Shield and MDS expectations.
7:10	7:45		TIH w/ 57 jts & stake out @ 2068'.
7:45	8:05		PU 1 jnt Land washing rubber & RU power swivel.
8:05	13:20		Drill to 2236', w/ mud/clay across shaker, avg ROP ~ 1ft per minute.
13:20	13:45		Lower mud weight from 9 ppg to 8.5 ppg & swap out washing rubber.
13:45	15:45		Drill to 2523', w/ mud/clay across shaker, avg ROP ~ 1ft per minute.
15:45	16:10		Circulate WB clean, w/ no solids across shaker, sd pump.
16:10	16:45		LD 1 jt 2 7/8 L80, RD power swivel, TOH SB 70 jts 2 7/8 L80.
16:45	17:00		Winterize Pump, lines, WH & FluidPro equip. SI & secure WH.
17:00	18:30		Crew travel to yard.
			Planned ops 3/5/2026:
			TOH lay down 1 jt tbg, 6 drill collars & BHA, TIH w/ 2 7/8 tbg to 2500'. State approval given 3/4/2026 to pump cmt from 2500 to 1375'

Date: 3/5/2026 Thursday

Rig Day 10

Daily Operations Summary			
Pump cmt from 2500' to estimated TOC 1004', TOH to surface cmt depth 527', circulate wellbore clean, TOH w/ TBG.			
Detail Operations Summary			
Begin	End	Downtime	
5:30	7:00		Crew travel to Location.
7:00	7:40		Pre-job safety meeting to review Carbon Shield and MDS expectations.
7:40	8:40		PU 2' mule shoe, TIH w/ 76 jts 2 7/8, 1 - 4' 2 7/8 sub & 1 jt 2 7/8 TBG, EOT @ 2500.4'
8:40	9:10		Circulate 40 bbls from shaker tank.
9:10	9:30		MIRU Axis cmt.
9:30	9:50		JSA w/ cmt & rig crew, psi test cmt lines
9:50	10:15		Pump 25 bbl FW spacer, 32.8 bbls cmt (160 sks, class G, 15.8 ppg, 1.15 cuft/sk), disp w/ 4.8 bbls FW.
10:15	11:15		TOH SB 16 jts 2 7/8, LD 45 jts 2 7/8, EOT @ 527'.
11:15	11:45		TOH SB 16 jts. RDMO Axis cmt
12:00	12:30		RD iron to incinerator, RU bleed of to cmt tank.
12:30	13:00		Winterize Pump, lines, WH & FluidPro equip. SI & secure WH. Release rig crew to cut cost.
13:00	14:30		Crew travel to yard.
			Planned ops 3/6/2026: TIH tag toc, TOH to 527', Pump 218 sks G cmt, TOH LD TBG.

Date: 3/6/2026 Friday

Rig Day 11

Daily Operations Summary			
Pump 176 sks cmt from 554' to surface, trip out of hole top off W/ 5 sks cmt, Rig down ancillary equipment			
Detail Operations Summary			
Begin	End	Downtime	
5:30	7:00		Crew travel to Location.
7:00	7:10		Pre-job safety meeting to review Carbon Shield and MDS expectations.
7:10	7:45		PU mule shoe, TIH w/ 2 7/8 tbg tag top of cmt @ 1193' w/ jnt 37 6' out.
7:45	8:10		TOH LD 20 jts 2 7/8, EOT @ 554'.
8:10	8:30		Circulate 50 bbls from shaker tank.
8:30	9:00		MIRU Axis cmt.
9:00	9:30		JSA w/ cmt & rig crew, psi test cmt lines
9:30	9:50		Pump 5 bbl FW spacer, 36 bbls cmt (176 sks, class G, 15.8 ppg, 1.15 cuft/sk, 5 gps), w/ 36 bbls slurry away good cmt returns @ cmt tank.
9:50	10:10		TOH LD 16 jts & mule shoe.
10:10	11:45		RD Tongs, slips & floor. ND BOP stack.
11:45	12:00		Top of surface csg w/ 1 bbl cmt (5 sks, class G, 15.8 ppg, 1.15 cuft/sk, 5 gps)
12:00	13:00		RD hard & suction lines, hydro-vac shaker tank & cmt tank. Bottom out Shaker Tank.
13:00	14:30		Crew travel to yard.
			Planned ops 3/9/2026: Load equipment, move to Olin Castor 1 & rig up.

Date: 3/19/2006 Sunday

Rig Day _____

Daily Operations Summary			
Detail Operations Summary			
Begin	End	Downtime	
8:30	12:00		Cut and Cap crew travel to location. Cement is visible at surface, approximately 1.5' down from the lip of the 8-5/8" surface collar. Water is on top of cement, there are no signs of gas, no bubbles, no disruptions On fluid top. Set up camera and take 15 minute video of water on top of cement. Excavate down 4' and cut 8-5/8" casing, chip out 1" of cement to create bowl, fill cavity with water and make an additional test for surety. No gas bubbles, no disturbance. Cement density is high quality. Weld on identification plate as required. Plate is marked as follows: MDS Energy - Castor #1 05-123-05488 SESE 28 8N 59W R6 3-19-26 Back-fill hole, demobilize equipment.