

Well Name	Castor #2-27	Rig Name/Number	
County	Weld	Location (Sec-T-R)	NWSW SEC 27 8N 59W
State	CO	Supervisor	
AFE #		Engineer	

Date: 2/16/2026 Monday

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
09:30	10:30		Capped well was previously located by survey crew. 811 call completed and clear.
10:30	11:45		PJSM to review hazards with trapped gasses/trenching. Move in Bohler WS backhoe, dig down ~4' to expose 8-5/8" casing. Remove cement sheath and expose cap.
11:45	12:45		Clean casing, hot tap casing cap, no gas or pressure present.
12:45	14:00		Cut off 2" of 8-5/8" 24# casing and weld on slip x slip collar, new 8-5/8" 24# casing, slip x thread collar to reach GL.
14:00	15:00		Set cellar ring and back-fill hole. Set livestock panels around cellar to prevent nearby cows from falling / injury in cellar.
16:00	17:00		Location ready for upcoming MIRU.

Date: 3/9/2026 Monday

Rig Day 1

Daily Operations Summary			
MIRU Axis 3003. Transfer and spot equipment. Tally tubing, start drilling out surface cement in 8-5/8" surface casing. Surface casing has a hole.			
Detail Operations Summary			
Begin	End	Downtime	Description of Events
05:00	06:30		Crew travel to location.
06:30	06:45		Pre-job safety meeting to review Carbon Shield / MDS contractor guidelines.
06:45	09:00		Axis trucking move rig pumps, base beam, rig tank and iron. Axis trucking move water from previous location and off-load into FluidPro shaker. Ensign trucking move mud agitator tank and fresh water tank. Shalestone move containments from O Castor A #1..
09:00	12:30		Install 8-5/8", 8rd Larkin Head x 9" 3K psi, 9" 3K psi x 7" 5k psi, 7" x 7" x 3" 5k psi mudcross, 7" 5K psi 3.5" pipe ram single BOP, 7" 2-7/8" & blind ram dual BOP, bird bath, and Washington head adaptor. LD 3" iron from mudcross to shaker.
12:30	14:00		MU 2" iron to combustor, spot shaker gen. Assemble rig floor. Run bleed-off line to shaker.
14:00	15:45		Spot pipe wrangler and racks, fill with 2-7/8" EUE 6.5#/ft workstring. Run 4" water lines from shaker charge pump to rig pump. Tally workstring.
15:45	16:00		MU collar #1 to 2-3/8" IF box x 3-1/2" REG pin, 3-1/2" REG box x 3-1/2" REG box, 6-3/4" tri-cone bit. Previous 6-3/4" bit has lost the faces that retain the cones on the end of the rotation shafts, PU new 6-3/4" tri-cone bit.
16:00	16:15		Install Washington Head rubber, start circulating.
16:15	17:15		Start drilling through 10sx surface cement.
17:15	17:34		at a depth of 11' below GL, noticed a leak from surface casing. Excavated down with shovels below stub-up collar. Fluid source is deeper than 2' below collar. Called Engineer to discuss.
17:34	18:30		Decision made to run 5.5" liner. Sourcing MDS 5.5" 20#/ft casing from yard. (Matt Kalb) LD collar, shut blind rams and secure with back-ups, fan out pump and blow down lines.
18:30	20:00		Crew travel to yard.
			Next day's operation, drill out remainder of 10 sx surface cement in surface casing to prep for liner. Axis supplying power tongs, elevators. Bohler supplying casing hanger slips. Transport casing from Keenesburg to location.

Date: 03/10/2026 Tuesday

Rig Day 2

Daily Operations Summary			
Start drilling 10sx surface cement to install liner, operation changed because fluid has seeped too far away from well to continue.			
Squeeze cement through surface casing breach.			

Detail Operations Summary			
Begin	End	Downtime	Description of Events
05:30	07:00		Crew travel to location.
07:00	07:20		Pre-job safety meeting to review Carbon Shield / MDS contractor guidelines. Discuss running of 5.5 liner details.
07:20	08:00		Ensign trucking deliver 165 bbls fresh water, Axis Bobtail water truck on location to empty cellar ring. Move cement bin for upcoming operation.
08:00	08:30		Fix static line arm on swivel, start circulating and begin drilling surface cement.
08:30	09:54		Drill to 27.3' KB, returns are an odd mix of 'landscaping gravel', fluid is seeping from under base beam and under pipe wrangler, stopped circulating - fluid is rising outside of the cellar ring.
09:54	10:00		Shut down operation momentarily and called Engineer for guidance, decision made to do a cement squeeze on 8-5/8" 24# surface casing to control fluid losses.
10:00	12:13		Pull collar #1 and LD 6-3/4" tri-cone bit. LD collar, LD power swivel. Disassemble rig floor. Fan out pump and blow down lines. ND Washington head & rig BOP, single BOP, and mudcross. ND adapter spool and Larkin head adapter from 8-5/8" 8rd collar.
12:13	13:05		NU 8-5/8" swedge to 4-1/2" 8rd x 2" with ball valve and 2" 1502
13:05	13:15		MIRU cementers. Unload 4 jts casing from MDS yard.
13:15	13:30		PJSM with cement crew and rig crew
13:30	13:45		Start cement job. Pump 2 bbls fresh water spacer, and pump 42 sx G-Cement, 15.8 ppg/1.15 ft3/sk yield with 2% CaCL, and displace with 0.5 bbls fresh water. Cement extruded through a weep area beneath the base beam and behind cellar ring, approximate 5' radius from well.
13:45	14:00		Wash up cement truck and wash up bob-tail vac truck.
14:00	14:45		Visit from ECMC Erica Petrie to location. Nothing noted about visit, requested to be informed of operations via email or text message prior to a cement job or tag & cement job so that she could witness those activities as she has been directed.
14:45	15:00		Swedge and valve left in place until cement has time to cure until 3/12/26, Thursday.
15:00	16:30		Crew travel to yard.
			Next operation in 2 days, drill out cement and verify surface casing integrity.

Date:	3/13/2026	Friday			Rig Day	4		
-------	-----------	--------	--	--	---------	---	--	--

Daily Operations Summary			

Detail Operations Summary			
Begin	End	Downtime	Description of Events
5:30	7:00		Crew travel to location.
7:00	7:15		Pre-job safety meeting.
7:15	8:30		RD floor ND BOP stack secure well with 8 5/8 swage to 2" ball valve
8:30	11:30		RD tbg equip and RU csg equip. test power tong and inspect elevators. Cut mule shoe on bottom joint
11:30	13:00		picked up 5 1/2 csg and worked it down to 155'. Tagged and pulled up 3'.
13:00	13:30		Land csg and cut csg. Off. Welded bell nipple on csg
13:30	14:00		RU Axis cementers. Perform pre job safety mtg.
14:00	14:30		Pumped 5 bbls water to establish circulation. Mixed 42 sks cmt pumped down 5 1/2 and up to
			Displaced with 2 bbls water. Shut down and RD cementers
14:30	16:00		clean up around well blow out lines secure well with night cap
16:00	17:30		crew to yard

Date:	3/16/2026	Monday			Rig Day	5		
-------	-----------	--------	--	--	---------	---	--	--

Daily Operations Summary			

Detail Operations Summary			
Begin	End	Downtime	
5:30	7:00		Crew travel to location.
7:00	7:15		Pre-job safety meeting.
7:15	8:30		START AND WARM UP EQUIP
8:30	9:00		Pickup tag Jts TIH and tag at 75.06'
9:00	9:30		pull out and lay down tag Jts.
9:30	10:30		NU BOPS and floor moved operators stand up RU tongs
10:30	11:15		Picked up 4 3/4 cone bit and collors TIH RU power swivel and start drilling at 75'
11:15	13:30		Drilled out and cleaned out to 152'
13:30	13:45		Shut BOPS and pressure test to 200# and held for 5 minutes. Good test
13:45	14:00		Made up changer over from collors to 2 7/8 8rd. Picked up 2-7/8" tbg and started drilling
14:00	17:30		drilled from 152' to 250'
17:30	17:45		circulated 2 bottoms up
17:45	18:00		laid down 2 jts and secure well
18:00	18:30		drain and blow out all lines clean up location
18:30	20:00		crew to yard

Date:	3/17/2026	Tuesday			Rig Day	6		
-------	-----------	---------	--	--	---------	---	--	--

Daily Operations Summary			

Detail Operations Summary			
Begin	End	Downtime	
5:30	7:00		Crew travel to location.
7:00	7:15		Pre-job safety meeting.
7:15	7:30		START AND WARM UP EQUIP
7:30	8:30		Pickup 2 jts and tag. RU power swivel and start drill from 250'
8:30	16:15		picked up 9 jts (293.81') drilled down to 446.06' Last 2 jts drilling slow. Circ. Well clean
16:15	16:45		RD power swivel
16:45	17:30		POOH and check bit
17:30	18:00		secure well drain all lines
18:00	19:30		Crew to yard

Date:	3/18/2026	Wednesday			Rig Day	7		
-------	-----------	-----------	--	--	---------	---	--	--

Daily Operations Summary			

Detail Operations Summary			
Begin	End	Downtime	
5:30	7:00		Crew to location
7:00	7:20		Pre-job safety mtg. to review Carbon-shield/MDS contractor guidelines. Discuss drilling with blade bit
7:20	16:30		Picked up blade bit and TIH started drilling at 446' and continue to drill down to 1293.98'
16:30	16:45		Circ well clean
16:45	17:00		hang back power swivel
17:00	17:30		Laid down 4 jts and stand back 17 stands
17:30	18:00		secure well drain all lines
18:00	19:30		crew to yard

Date: 3/19/2026 Thursday Rig Day 8

Daily Operations Summary

Detail Operations Summary

Begin	End	Downtime	
5:30	7:00		Crew to location
7:00	7:20		Pre-job safety mtg. to review Carbon-shield/MDS contractor guidelines. Discuss drilling with blade bit
7:20	8:00		TIH w/tbg
8:00	8:15		RU power swivel to start drilling
8:15	14:30		Drilled down to 1680' and drilling slowed down
14:30	14:45		Added soap and clay treatment circ. For 15 minutes
14:45	15:15		Continue drilling not making any hole. Decided to make a bit run
15:15	15:30		RD power swivel and RU to pooh and check bit
15:30	16:15		POOH and change bit
16:15	16:45		TIH w/collors.
16:45	17:00		Secure well drain all lines
17:00	18:30		Crew to yard

Date: 3/20/2026 Friday Rig Day 9

Daily Operations Summary

Detail Operations Summary

Begin	End	Downtime	
5:30	7:00		Crew to location
7:00	7:20		Pre-job safety mtg. to review Carbon-shield/MDS contractor guidelines. Discuss drilling with blade bit
7:20	8:00		TIH w/tbg Tagged at 1348'
8:00	8:15		RU power swivel to start washing and drilling
8:15	8:45		washed down to 1680'
8:45	16:00		drilled from 1680' to 2346'
16:00	16:15		circ well clean
16:15	16:30		RD power swivel
16:30	17:15		Pull tbg into the liner
17:15	17:30		secure well
17:30	19:00		crew to yard

Date: 3/23/2026 Monday Rig Day 10

Daily Operations Summary

Detail Operations Summary

Begin	End	Downtime	
5:30	7:00		Crew to location
7:00	7:15		Pre-job safety mtg. to review Carbon-shield/MDS contractor guidelines. Discuss drilling with blade bit
7:15	8:15		TIH w/tbg and tag at 2341'
8:15	8:30		RU power swivel
8:30	11:30		Drilled down to 2500'
11:30	13:00		circ well clean
13:00	13:30		POOH into liner
13:30	14:00		Drain all lines and pump
14:00	14:15		secure well
14:15	15:45		crew to location

Date:	3/24/2026	Tuesday			Rig Day	11		
-------	-----------	---------	--	--	---------	----	--	--

Daily Operations Summary			

Detail Operations Summary			
Begin	End	Downtime	
5:30	7:00		Crew to location
7:00	7:15		Pre-job safety mtg. to review Carbon-shield/MDS contractor guidelines. Discuss drilling with blade bit
7:15	8:15		TIH w/tbg and tag at 2500'
8:15	8:30		RU power swivel
8:30	9:00		RU Axis cementers
9:00	9:30		Pumped 100 sks (20 bbls) class G cmt Displaced w/12 bbls fresh water
9:30	9:45		Laid down 28 jts to 1575'
9:45	10:00		Ru cementers and pumped 100 sks (20 bbls) class G cmt
10:00	10:30		RD cementers and cleaned up all lines
10:30	10:45		POOH Laid down extra JTs
10:45	11:00		secure well
11:00	11:30		Drain all lines and clean up location
11:30	13:00		crew to yard

Date:	3/25/2026	Wednesday			Rig Day	12		
-------	-----------	-----------	--	--	---------	----	--	--

Daily Operations Summary			

Detail Operations Summary			
Begin	End	Downtime	
5:30	7:00		Crew to location
7:00	7:15		Pre-job safety mtg. to review Carbon-shield/MDS contractor guidelines. Discuss drilling with blade bit
7:15	7:30		Picked up notched collar and TIH. tagged at 643'
7:30	8:00		Lay down extra JTS tbg is at 525' ready for cmt
8:00	8:30		Established circulation and pumped 101 SKS cmt bringing cmt to surf
8:30	9:30		laid down 1 jt started pulling next jt and tbg stuck. Worked tbg tried to pump and rotate, still stuck
9:30	10:00		Backed off tbg and POOH laid down a total of 6 JTs leaving 10 JTs in the well
10:00	10:15		Top off well w/1/4 sack cmt. RD cementers
10:15	18:00		RDMOL. Clean up location move all equip to Castor 1-27
18:00	19:30		Crew to yard

Date: 4/1/2026 Wednesday Rig Day N/A

Daily Operations Summary			
Cut and cap well.			

Detail Operations Summary			
Begin	End	Downtime	
08:00	09:00		Cut and Cap crew travel to location.
09:00	09:30		Cement is visible at surface, approximately 3.5' down from the lip of the 5-1/2" liner casing collar. Water on top of cement, no bubbles, no disturbance.
09:30	11:00		Excavate down 4' and cut 8-5/8" casing and 5.5" liner. Chisel out a 2" deep trough, fill with water and record a 15 minute 'bubble test' video. Cement density is of high quality. Weld on identification plate as required. Plate is marked as follows: MDS Energy Castor #2-27 05-123-08250 NWSW 27 8N 59W 4-1-26
11:00	12:00		Back-fill hole, demobilize equipment.