

Well Name	Castor A #1	Rig Name/Number	Axis 3003
County	Weld	Location (Sec-T-R)	SWNW SEC 34 T8N R59W
State	CO	Supervisor	
AFE #		Engineer	

Date: 4/13/2026 Monday

Rig Day 0

Daily Operations Summary			
MIRU Axis rig #3. NU wellhead, run iron. Ready for next day to pick up 6-3/4" tri-cone and clear surface casing.			
Detail Operations Summary			
Begin	End	Downtime	Description of Events
			Well stub up completed 03/09/26:
			Capped well was previously located by survey crew. 811 call completed and clear. PJSM to review hazards with trapped gasses/trenching. Move in Bohler WS backhoe, dig down ~4' to expose 8 5/8" casing. Clean and hot tap casing cap, no gas or pressure present. Weld slip x thread collar to 8 5/8 casing stub, thread x thread 8-5/8" collar. Set cellar ring and back-fill hole. Set livestock panels around cellar.
14:30	15:00		Moving from Hanson Unit #1. Spot basebeam and rig. FluidPro moved 04/10, and in place.
15:00	16:00		Spot containment, tanks, rig pumps. Rig maintenance on crown sheaves, derrick. Stand up rig.
16:00	17:00		NU 3K psi, 8-5/8" x 9" Larkin wellhead flange. NU 3K psi 9" x 5K psi 7" spool, 5K psi 7" x 7" mud cross w/ 3" wings, 7" single 5K psi (3-1/2" rams) BOP, 7" double 5K psi BOP w/ Washington head and bird bath. LD/MU rig floor.
17:00	18:00		Spot pipe wrangler, tubing float. Spot accumulators, run lines and op-check BOP's.
18:00	19:00		LD 3" iron from wellhead to shaker, 3" tee to mud-gas separator, 2" pump iron.
19:00	20:30		Crew travel to yard.
			Next operation, PU 6-3/4" tri-cone and clear

Date: 4/14/2026 Tuesday

Rig Day 1

Daily Operations Summary			
Drill through surface cement plug and surface casing shoe. Wash down to 1,173', lost circulation. TOOH.			
Detail Operations Summary			
Begin	End	Downtime	Description of Events
05:00	07:00		Crew travel to location.
07:00	07:15		Pre-job safety meeting to review Carbon Shield / MDS Contractor Guidelines.
07:15	07:50		Run 4" line to transfer fluid from FluidPro to mud tank. PU power swivel.
07:50	08:45		Tally 3.5" 27#/ft collars, PU collar #1 and MU 6-3/4" tri-cone bit with float sub (33.5" OAL). Load workstring on pipe wrangler racks.
08:45	10:20		Start drilling out cement at surface, broke through surface cement at 48' KB. Continue to wash down to collar #6. Wood pulp and splinters in returns.
10:20	10:30		Pressure test 8-5/8" surface casing to 100 psi with no leak-off.
10:30	10:35		Circulate while tallying 2-7/8" 6.5#/ft workstring.
10:35	11:25		Drill through surface casing shoe cement from 262' - 268', then fell through. Stop and Circulate out oil and thick mud.
11:25	11:55		Wash down to jt #10 (525'), cement and light oil in returns, circulate 10 minutes.
11:55	12:40		Wash down to jt #20 (852') and circulate 20 minutes. Crew lunch.
12:40	13:30		Wash down to jt #26 (1,047'), lost circulation while washing down, FluidPro level down 40 bbls.
13:30	14:00		Wash down to Jt #30 (1,177'), fighting to keep circulation. Cleared flowline with rig pump to rule out flow problems. Swapped to on-hand mud in mud tank. Not getting circulation back, down an additional 40 bbls. Drilling mud is light, unlikely high hydrostatic, will need to use LCM and condition hole before washing any deeper. FluidPro acquiring a pallet of cedar fiber.
14:00	15:00		LD power swivel and TOOH standing back.
15:00	15:10		Leave 2 Jts and collars hanging, shut in pipe rams, and run in back-ups to secure, install TIW with night cap.
15:10	15:30		Walk-out lines to pump and blow clean.
			Next day, circulate LCM pill to get flow at surface back, continue to wash down.

Date: 4/15/2026 Wednesday

Rig Day 2

## Daily Operations Summary

Work through lost circulator problem run cedar shavings, wash to 3,939'. TOOH. Should cement tomorrow.

## Detail Operations Summary

Begin	End	Downtime	Description of Events
05:00	06:50		Crew travel to location.
06:50	07:05		Pre-job safety meeting to review Carbon Shield / MDS Contractor Guidelines.
07:05	07:06		SICP - 0, well is on a vacuum. No emissions.
07:06	08:11		Bridged out TIH, able to slip through, TIH to jt #6 and the LD 5 jts, PU power swivel and clean out wellbore with joints 2-6. Established good circulation.
08:11	09:05		TIH one stand at a time, Circulating after each, found clay bridge at jt#24 half-in (964')
09:05	09:59		Circulate for 30 minutes at Jt #25(1,009'). Move a lot of clay and oil during circulation. No LCM returns. Vintage paper-sided, tin capped, oil can in returns.
09:59	11:00		PU 5 more jts to #30 and circulate for 10 minutes. PU power swivel and wash down to jt#35 (1,333')
11:00	11:27		Wash down to jt #40 (1,497') and circulate for 10 minutes.
11:27	12:08		Wash down to jt #55 (1,984') and circulate for 10 minutes. Returns are good, less clay.
12:08	13:00		Wash down to jt #65 (2,308') and circulate for 10 minutes.
13:00	13:45		Wash down to jt #75 (2,635') and circulate for 10 minutes.
13:45	14:20		Wash down to jt #85 (2,963') and circulate for 10 minutes.
14:20	14:55		Wash down to jt #95 (3,289') and circulate for 10 minutes.
14:55	15:12		Continue washing down, tagged a moderate obstruction at jt #102 (3,518').
15:12	15:24		PU jt #103 and drill down, very little torque.
15:24	15:45		Wash down to jt #105 (3,613') and circulate for 10 minutes.
15:45	16:32		Wash down to jt #115 (3,939') and circulate for 15 minutes. Returns are consistent and with low debris.
16:32	16:40		LD Power swivel, prep to TOOH standing back.
16:40	17:20		Stand back 57 stands, LD a single, stand back 3.5" drill collars.
17:20	17:54		Swap to 4-3/4" tri-cone bit for cement tomorrow. TIH with 6 3.5" drill collars, and a single joint of 2-7/8" 6.5#/ft workstring. Shut pipe rams, run-in back ups to secure.
17:54	19:24		Crew travel to yard.
			Next operation, TD well at ~5,005' and cement Nio pug.

Date: 4/16/2026 ThursdayRig Day 3

Daily Operations Summary			
Wash down and tag existing casing at 5,004', and cement 200' to 4,804'.			
Detail Operations Summary			
Begin	End	Downtime	
04:45	06:45		Crew travel to location.
06:45	07:00		Pre-job safety meeting to review Carbon Shield / MDS Contractor Guidelines.
07:00	07:02		SICP - 0 psi, no emissions.
07:02	07:56		TIH by stands with 4-3/4" 3 bladed stepped drag mill to jt #115.
07:56	08:30		PU 10 joints and TIH, to jt #125 (4,264')
08:30	08:55		PU powers swivel and establish circulation. Pumped 25 bbls and have increased pressure, pressure up to 1,50 psi and hold, no relief, holding solid with no leak off. Suspect clogged float.
08:55			TOOH standing back into derrick to inspect BHA.
	10:30		break off bit and float, 6" section above float packed-off with cement debris from the inside of the workstring. Clean, opcheck, MU BHA.
10:30	12:55		TIH by stands with 4-3/4" 3 bladed stepped drag mill to jt #20 and break circulation. TIH to Jt #125.
12:55	13:13		Circulating at jt #125, lost power to shaker - generator overheating. Reduce load except for agitators and shaker trays, restart. Appears to be functioning enough to continue washing down.
13:13	13:43		PU 10 more jts and wash down to jt #135 (4,587')
13:43	13:50		PU to jt #148, tagged 5.5" 15.5#/ft casing with jt #149, 4' in at 5,004'
13:50	14:00		LD jt #149, circulate at 5,000' while MIRU Axis Cementers.
14:00	14:15		Tailgate safety meeting with cement and rig crew to discuss hazards, responsibilities.
14:15	14:44		Stop circulating, MU cement line. Start cement job. Pressure test lines, establish circulation to shaker. Pump 2 bbls fresh water spacer, while rotating with power swivel, pump 90 sx G-Cement, 15.8 ppg/1.15 ft <sup>3</sup> /sk yield, and displace with 30 bbls fresh water. Good circulation throughout cement job. (Form 6 , 5,005' - 4-805' ).
14:44	14:54		LD power swivel, LD 15 jts. Concurrently RDMO Cement crew and clean up.
14:54	16:25		TOOH standing back 66 stands.
16:25	16:30		Shut in pipe rams on last jt of 2-7/8" workstring and run in back-ups to secure.
16:30	17:00		Fan out pump, blow down lines, prepare for inclement weather.
17:00	18:30		Crew travel to yard.
			Next operation, tag Nio plug, and cement 2,500' -2,300' and 1,575' - 1,375'.

Date: 04/17/2026 Friday

Rig Day 4

Daily Operations Summary			
Tag @ 4,623', pump two jobs (2,500' - 2,300' & 1,575' - 1,375').			
Detail Operations Summary			
Begin	End	Downtime	
05:00	07:00		Crew travel to location.
07:00	07:15		Pre-job safety meeting to review Carbon Shield / MDS Contractor Guidelines.
07:15	09:05		SICP 0 Psi. No emissions. TIH by stands to jt 133. PU tubing from wrangler and hard tag at jt # 136 12' in, (4,623') Satisfying the requirement of Form 6, 5,005' - 4,805'
09:05	11:15		LD 64 joints to jt #72 (2,526')
11:15	11:54		RU power swivel and break circulation, circulate while waiting on cement crew.
11:54	12:14		MIRU cement pump and bulk cement truck.
12:14	12:25		Tailgate safety meeting with cement and rig crew to discuss hazards, responsibilities.
12:25	12:28		Stop circulating, MU cement line.
12:28	12:37		Start cement job. Pressure test lines, establish circulation to shaker. Pump 5 bbls fresh water spacer, while rotating with power swivel, pump 80 sx G-Cement, 15.8 ppg/1.15 ft3/sk yield, and displace with 15.6 bbls fresh water. Good circulation throughout cement job. (Form 6 2,500' - 2,300'). <i>Courtesy plug</i> .
12:37	13:16		LD power swivel and LD 29 jts of 2-7/8" workstring, jt# 43 in hole. (1,584' KB)
13:16	13:37		Start cement job. Pressure test lines, establish circulation to shaker. Pump 5 bbls fresh water spacer, while rotating with power swivel, pump 90 sx G-Cement, 15.8 ppg/1.15 ft3/sk yield, and displace with 10.2 bbls fresh water. Good circulation throughout cement job. (Form 6 1,575' - 1,375').
13:37	14:13		LD power swivel, LD 6 jts, TOOH standing back 18 stands. Shut in pipe rams and run in back-ups to secure. NU TIW and close install cap with needle valve. Single joint and 6 collars left hanging.
14:13	15:00		Transfer drilling mud to secondary tank for weekend. Fan out pump, blow down lines, prep for inclement weekend weather.
15:00	16:30		Crew travel to yard.
			Next operation, tag and record cement height then cement to surface.

Date: 4/20/2026 Monday

Rig Day 5

Daily Operations Summary			
Pump Cement to surface and RDMO.			
Detail Operations Summary			
Begin	End	Downtime	
05:00	07:00		Crew travel to location.
07:00	07:15		Pre-job safety meeting to review Carbon Shield / MDS Contractor Guidelines.
07:15	07:16		SICP - 0 psi, small vacuum < 2 psi, no emissions.
07:16	08:00		LD single joint and 6 collars. PU/MU 6' diverter sub. TIH and tag all the way in on jt #36 (1,152') Satisfying requirements for Form 6 (1,575 to 1,375').
08:00	08:50		LD 20 jts to jt #16 (EOT 535'). Miru Axis Cement.
08:50	09:00		Tailgate safety meeting with cement and rig crew to discuss hazards, responsibilities.
09:00	09:20		Pressure test lines.
09:20	09:37		Start cement job, establish circulation to return bin. Pump 5 bbls fresh water spacer with green dye, an additional 5 bbls spacer of fresh water only, pump 200 sx G-Cement, 15.8 ppg/1.15 ft3/sk yield. Good circulation throughout cement job. Witnessed dye and Cement to surface. Form 6, 525' - Surface.
09:37	10:15		LD 16 jts tubing. LD power tongs, stow equipment on rig floor.
10:15	11:25		Clean BOP's and tree, ND remainder of adapters. Axis Cement top-off well with 10 sx. Cement is visible at surface, at the 8-5/8" collar.
11:25	11:50		RDMO Axis Cement crew. Start mobilizing to next location.
11:50	13:00		Move Axis #3 and base beam. Move containment.
13:00	13:30		Move FluidPro shaker and bins.
13:30	17:59		Move Air compressor, power swivel, generators, pumps, iron.
17:59	18:00		Cement is still at surface, bubble test in +5 days (4/27/26)
18:00	19:30		Crew travel to yard.

Date: 5/11/2026 Monday

Rig Day \_\_\_\_\_

Daily Operations Summary			
Detail Operations Summary			
Begin	End	Downtime	
5/11/2026	5/11/2026		Cut and Cap crew travel to location. Cement is visible at surface, approximately 1' down from the lip of the 8-5/8" surface collar. Water is on top of cement, 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 6' and cut 8-5/8" casing, chip out cement to level w/ top of CSG. Cement density is high quality. Weld on identification plate as required. Plate is marked as follows: Castor A-1 05-123-05465 SWNW 34 8N 59W Back-fill hole, demobilize equipment.