

Well Name	LU #1	Rig Name/Number	Bohler 8
County	Weld	Location (Sec-T-R)	
State	Colorado	Supervisor	Jason Eisenach
AFE #	CO 119017/ Code: 8306.235	Engineer	Taylor Heffner

Date:	2/18/2020	Rig Day	1
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Daily Operations Summary

Detail Operations Summary

Start	End	Downtime	Description of Events
9:30	10:30		Road rig crew & equipment to location from MS White.
10:30			Spot in equipment. Set containment around well head. Rig up Bohler 8. NU 11" larkin flange, 11"x7" 3K spool, 7" 5K mudd cross w/ 3" outlets, 7" 5K BOPS. RU 3" hard line & 2" hard lines to pump & tanks.
			Spot in Power swivel, rig heaters & light towers. Spot in 3 1/2" DC.
	4:00		SIWFN. Need to replace Winch line on rig.
4:00	5:00		Road crew to yard.

Date:	2/19/2020	Rig Day	2
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Daily Operations Summary

Detail Operations Summary

Begin	End	Downtime	Description of Events
6:00	7:00		Road crew to location
7:00	8:00		Start Equipment. Change out winch line. 0 PSI on Well.
8:00			RU power swivel. TIH w/ 6 3/4" cone bit w/ float sub & 3 1/2" DC Tag cement @ 10'. Drill out cement plug #1. 10'-30'. Roll hole clean. TIH w/ 10-3 1/2" DC & 3 jts of 2 7/8" TBG. Tag cement plug @ 410'. Roll hole. Pressure test 8 5/8" CSG 500 PSI hold 15 min. Test good. Continue drilling cement plug #2 @ 410'. Drill hard cement to 475'. Circulate hole clean w/ fresh water. Blow pump & tank lines out.
	5:30		SIWFN.
5:30	6:30		Road crew to yard.

Date:	2/20/2020	Rig Day	3
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Daily Operations Summary

Detail Operations Summary

Begin	End	Downtime	Description of Events
6:00	7:00		Road crew to location.
7:00	9:30		Start equipment. Cold start. -1.
9:30			Establish circulation. Start drilling cement @ 475', drill hard cement to 636'. Roll hole clean. LD Power Swivel. TOO H w/ 10 jts of 2 7/8" TBG & 10- 3 1/2" DC to derrick to check bit. Bit was in good shape.
	6:00		Blow out pump & tank lines. SIWFN
6:00	7:00		Road crew to yard.

Date: 2/21/2020 Rig Day 4

Daily Operations Summary

Detail Operations Summary

Begin	End	Downtime	Description of Events
6:00	7:00		Road crew to location.
7:00			Start equipment. 0- PSI on CSG. TIH w/ 6 1/4" blade bit, float sub, 10- 3 1/2" DC, 10 jts of 2 7/8" TBG. Tag cement @ 636'. RU power swivel. Establish circulation w/ fresh water. Start drilling cement @ 636'. Cement & small amount of metal shavings in returns. Drill to 774'. 14 jts 2 7/8 & 10 3 1/2" DC. Roll hole clean. LD power swivel. TOOH w/ 14 jts 2 7/8" TBG & 10- 3 1/2" DC to derrick. LD 6 1/4" blade bit. Bit has marks on outer edges showing we are drilling on something metal in the hole. We are pushing it in front of us.
			Blow out pump & tank lines. SIWFN
5:30	6:30		Road crew to yard.

Date: 2/24/2020 Rig Day 5

Daily Operations Summary

Detail Operations Summary

Begin	End	Downtime	Description of Events
6:00	7:00		Road crew to location.
7:00			Start equipment. TIH w/ 5 3/4" Junk basket & 2 7/8" TBG. Tag up at 774'. Reverse circulate fresh water. Lost circulation after 15 min. Make 6". TOOH w/ TBG TBG plugged off w/ clay like fill. No Junk in Basket. To Windy to TIH. SIWFN. Blow out pump & tank lines
12:00	1:00		Road crew to yard

Date: 2/26/2020 Rig Day 6

Daily Operations Summary

Detail Operations Summary

Begin	End	Downtime	Description of Events
6:00	7:00		Road crew to location
7:00			Start equipment. RU Pump & tank lines. TIH w/ 4 3/4" blade bit, float sub, 10 3 1/2" DC & 2 7/8" TBG. Tag up @ 774'. RU Power Swivel. Establish circulation. Start drilling. Getting Mudd, LCM and clay in returns. Drill down to 895'. Circulate hole clean. LD 1 jt & Power Swivel. Blow out pump & tank lines. SIWFN.
6:00	7:00		Road crew to yard.

Date: 2/27/2020 Rig Day 7

Daily Operations Summary

1-28-20: TOOH LD Blade bit. Install 4 3/4" Slip Stream w/ jets

Detail Operations Summary

Begin	End	Downtime	Description of Events
6:00	7:00		Road crew to location.
7:00			Start equipment. TIH w/ 1 jt. RU power swivel. Start drilling @ 895'. Hard drilling. Getting back drilling mudd, LCM & clay chunks in returns. Drill down to 1015'. Circulate hole clean. Rack back Power swivel. Blow out pump & Tank lines. SIWFN.
6:00	7:00		Road crew to location.

Date:	2/28/2020			Rig Day	8		
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Daily Operations Summary							

Detail Operations Summary							
Begin	End	Downtime	Description of Events				
6:00	7:00		Road crew to location.				
7:00			Start equipment. TOOH w/ 21 jts of 2 7/8" TBG & 10 3 1/2" DC to derrick. LD 4 3/4" blade bit. TIH w/ 4 3/4" Varel slip stream cone bit w/ jets, float sub, 10 3 1/2" DC & 2 7/8" TBG. Tag @ 975' 40' of fill. RU power Swivel.				
			Transfer 40 bbls of drilling mudd from tank 1 to tank 2. Thin out mudd w/ fresh water. Wash down 40' to 1015'. Start drilling. 16' per hour drill time. Mudd & LCM in returns. Drilling slow. Drill to 1060'.				
			Circulate hole clean. LD power swivel. TOOH w/ 23 jts 2 7/8 TBG, 10- 3 1/2" DC to derrick. LD Slip Stream bit. TIH w/ 4 3/4" Blade bit, float sub, 10-3 1/2" DC, & 23 jts of 2 7/8" TBG. Tag up @ 1060'. RU power swivel.				
			Establish circulation. Start drilling. Drill down to 1086'. Circulate hole clean. LD power swivel. TOOH w/ 18 jts to derrick. SIWFN. Blow out pump & tank lines.				
6:00	7:00		Road crew to yard.				

Date:	3/2/2020			Rig Day	9		
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Daily Operations Summary							

Detail Operations Summary							
Begin	End	Downtime	Description of Events				
6:00	7:00		Road crew to location.				
7:00			Start Equipment. TIH w/ 18 jts TBG. Tag up @ 1086'. RU power swivel. Establish circulation w/ 9.2 lbs drilling mudd. State of colorado said we are good to stop @ 1086'. Circulate hole clean for 30 min. TOOH w/ TBG to derrick. LD 10-3 1/2" DC on trailer. TIH w/ 4 3/4" blade bit, float sub & 2 7/8" TBG. Tag up @ 1086'. w/33 jts LD Jt 33. 32 jts in the hole @ 1065'. Circulate hole clean w/ 9.2 lbs mudd. RU Bohler Cement. Pump 5 bbl fresh water spacer. Pump 35 sx 15.8# 1.15 G-Neat cement. Displace w/ 7 bbls of fresh water. 5 bbls past float sub. RD Bohler cement. TOOH w/ 24 jts to derrick. LD 8 jts on trailer. SIWFN.				
			Blow out pump & tank lines.				
2:00	3:00		Road crew to yard				

Date:	3/3/2020			Rig Day	10		
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Daily Operations Summary							
Cement plug #1: 1065-820'							
Cement Plug #2: 599'-0' (Cement returns to surface) Top off to ground level.							

Detail Operations Summary							
Begin	End	Downtime	Description of Events				
6:00	7:00		Road crew to location.				
7:00			Start equipment. 0-PSI on well. TIH w/ 2 7/8" TBG open ended. Tag up w/ 25 jts @ 820'. LD 7 jts of TBG on trailer EOT @ 599' w/ 18 jts. RU Bohler cement. Establish circulation w/ drill mudd. Pump 5 bbl fresh water spacer. Pump 200 sx 15.8# 1.15 G-Neat cement. Cement returns to surface. Displace w/ 5 bbls fresh water. TOOH LD 18 jts of 2 7/8" TBG on trailer. ND BOPS & wellhead spools. Top off cement to ground level. Wash up cement truck in tank. Empty all tanks. SIWFN. RD Bohler Rig 8. Rack out pump & tank lines. Break out 3" flow line.				

Date:	3/4/2020			Rig Day	11		
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Daily Operations Summary							

Detail Operations Summary							
Begin	End	Downtime	Description of Events				
10:00			Road ATP crew & backhoe to location. Dig down 7' around well head w/ backhoe. Cut of 8 5/8" CSG 6' down from ground level. Cement 6' down from ground level. Weld on cap w/ Legals. Back fill hole.				
		3:00	Road ATP crew & welder to yard.				