

Well Name	Doty Federal 1-B	Rig Name/Number	Bohler 6
County	Weld	Location (Sec-T-R)	
State	Colorado	Supervisor	Jason Eisenach
AFE #	Green Teal WBI/Code-8306.235	Engineer	Taylor Heffner

Date:	8/23/2021	Rig Day	1
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Daily Operations Summary

Detail Operations Summary

Start	End	Downtime	Description of Events
			Move in Bohler crew and Backhoe to bring well to ground level. Cut off 10' dry hole marker.
			Cut off 8 5/8" CSG 6' down. CSG is egg shaped. Work CSG and collar to make it round. Weld up collar & CSG to ground level. Back fill hole. Set out pump & tank containments. Set tanks.
			Fill w/ Fluid. Set out pump & lines. SIWFN.

Date:	8/24/2021	Rig Day	
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Daily Operations Summary

Detail Operations Summary

Begin	End	Downtime	Description of Events
			Road crew to location.
			Start equipment. SCP-0.
			Spot in Rig & Rig up. NU Well head & BOP Stack. 7" Equipment X 5K. PSI Test BOPS. Leaking @ collar under well head. Wait on welder. Weld Collar to 8 5/8" CSG. PSI test BOPS. Collar stopped leaking.
			Pressure still bleeding off. ND Well Head stack. Rig down and pull rig and base beam forward.
			Dig down 12' with backhoe and check all connections & 8 5/8" pipe. No visible leaks. Backfill hole.
			SIWFN.
			Road crew to yard.

Date:	8/25/2021	Rig Day	
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Daily Operations Summary

Detail Operations Summary

Begin	End	Downtime	Description of Events
			Road crew to location.
			Start Equipment. SCP-0.
			Spot in Base beam. Rig Up Bohler 6. NU Well head & 7" 5K BOPS.
			RU Work floor. RU Power Swivel. TIH w/ 3.5" DC 6 3/4" bit w/ float sub. Tag cement @ 12'. Establish circulation w/ water. Start drilling cement. Drill 3' of cement to 15'. Fall out of cement. Wash down 3.5" DC. Getting back heavy mud. Tag cement @ 150' Drill out cement to 170'. Circulate hole clean.
			Test CSG. Pumping into @ 400 PSI 2 bbl per min. TOOH w/ DC & 6 3/4" bit. TIH w/ DC & 7 7/8" bit to 170'.
			Circulate hole clean. TOOH w/ 5 DC. SIWFN.
			Road crew to yard.

Date:	8/26/2021			Rig Day			
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Daily Operations Summary							

Detail Operations Summary							
Begin	End	Downtime	Description of Events				
			Road crew to location.				
			Start equipment. SCP-0, STP-0. ND BOPS Strip on 8 5/8" PKR over BOPS. NU BOPS. TIH w/ PKR to 165'. Test CSG coming out of hole from 165-15' No good test CSG has Multiplue holes in it.				
			LD Packer. TIH w/ 6 3/4 Cone bit w/ float. Drill cement from 170'-198' Fall out of cement. RIH w/ 3.5" DC to 248' no tag. Circulate hole clean. TOO H w/ DC, LD Bit. TIH w/ 5.5" 17# SB-80 CSG to 220'. Run cement basket 1-jt up from bottom @ 180'. Land CSG in well head & pack off. SIWFN.				
			Road crew to yard.				

Date:	8/27/2021			Rig Day			
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Daily Operations Summary							

Detail Operations Summary							
Begin	End	Downtime	Description of Events				
			Road crew to location.				
			Start equipment.				
			Establish circulation w/ water. RU Bohler cement truck. Pump 2 bbl fresh water spacer. Pump 96 sx cement 15.5# to surface. Good cement returns. Pump 5.5" Rubber wiper plug to 150' 3.5 bbls displacement.				
			SIW. Wash up lines & Cement truck to tank.				
			Road crew to yard.				
			Let cement set up over weekend to get good test on CSG for Monday moring.				

Date:	8/30/2021			Rig Day			
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Daily Operations Summary							

Detail Operations Summary							
Begin	End	Downtime	Description of Events				
			Road crew to location.				
			Start equipment.SCP-0, Surface-0. Load CSG W/ water. PSI test 500 PSI losing 200 PSI in 30 min. Keep re testing and letting air blow off casing. NO test. RU 5.5" CSG sub. Pick-up on CSG to 30K LBS. CSG is cemented in 8 5/8". Can't pull CSG. NU 7" 5K BOPS on CSG. Re test CSG 500 PSI losing 200 PSI in 30 min. TIH w/ 5.5" PKR to 202'. Set PKR. PSI test CSG to 575 PSI hold for 30 min Chart & record. Test good. Release PKR & LD TBG on trailer. TIH w/ 4 3/4" cone bit w/ float & 3.5" DC. Tag cement @235'. Drill cement to 306'. Wash down to 311'. Circulate hole clean. TOO H w/ 4-3.5" DC to derrick. RIH w/ 8' 2 7/8" sub. SIWFN.				
			Road crew to yard.				

Date:	8/31/2021				Rig Day			
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Daily Operations Summary								

Detail Operations Summary								
Begin	End	Downtime	Description of Events					
			Road crew to location.					
			Start equipment. SCP-0, STP-0, Surface-0. LD 8' sub. TIH w/ 4-3.5" DC. Total 10-3.5" DC in hole. TIH w/ TBG					
			RU Power Swivel. Start washing from 311'. Wash down to 2466' Circulate hole clean for 45 min. RD Power					
			Swivel. TOOH w/ TBG to derrick. LD 10-3.5" DC on trailer. LD Bit & Float. SIWFN.					
			Road crew to yard.					

Date:	9/1/2021				Rig Day			
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Daily Operations Summary								

Detail Operations Summary								
Begin	End	Downtime	Description of Events					
			Road crew to location.					
			Start equipment. SCP-0, Surface-0. TIH w/ 4 3/4" cone bit w/ float sub & 2 7/8" TBG to 2466'. Start washing					
			down from 2466'-5484'. Getting back heavy thick mudd w/ shale. Lost circulation. Start pulling 20 jts					
			at a time to regain circulation. No circulation. Hole has heavy mud. TOOH w/ TBG. SIWFN.					
			Road crew to yard.					

Date:	9/2/2021				Rig Day			
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Daily Operations Summary								

Detail Operations Summary								
Begin	End	Downtime	Description of Events					
			Road crew to location.					
			Start equipment. SCP-0, Surface-0.					
			TIH w/ 4 3/4" cone bit & float w/ 2 7/8" TBG to 500'. No circulation. TOOH to 327' Establish circulation.					
			RU Power swivel start washing down to remove heavy mud from well. Wash w/ power swivel to 900' RD					
			power swivel. Start washing down from 900'-6940. 8.5# in/9.5# out. Pipe stacking out and getting stuck @					
			6940' Verbal approval from BLM Engineer, To pump cement plug @ 6931'. Establish circulation w/ 8.6# mud					
			RU Bohler cement truck. Pump 2 bbl fresh water spacer. Pump 100 sx G-Neat 15.8# 1.15 cement. Displace					
			w/ 41 bbls 9# mud. TOOH w/ TBG to 3854'. SIWFN.					
			Road crew to yard.					

Date:	9/3/2021				Rig Day			
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Daily Operations Summary								

Detail Operations Summary								
Begin	End	Downtime	Description of Events					
			Road crew to location.					
			Start equipment. SCP-0, STP-0, Surface-0. No flow or bubbles. Well staic. RU Pump. Establish circulation					
			w/ 8.6# mud @ 3854'. Pump 15 bbls. TIH w/ TBG tag cement Plug #1 @ 6549'. Plug #1 6931-6549'. Pump plug					
			#2 @ 6545' Establish circulation w/ 8.6# mud. Pump 2 bbl fresh water spacer. Pump 200 sx G-Neat					
			15.8# 1.15 Cement. Displace w/ 38 bbls 9# mud. LD TBG on trailer to 3496'. Per BLM & State Engineer no					
			need to tag Cement plug #2. Establish circulation w/ 8.6# mud @ 3496'. Pump 2 bbl fresh water spacer.					
			Pump 100 sx G-Neat 15.8# 1.15 cement. Displace w/ 20.5 bbls. TOOH w/ TBG to 1538' SIWFN.					
			Road crew to yard.					

Date:	9/4/2021			Rig Day			
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Daily Operations Summary							

Detail Operations Summary							
Begin	End	Downtime	Description of Events				
			Road crew to location.				
			Start equipment. SCP-0, STP-0, Surface-0. No Flow or Bubbles. TIH w/ TBG. Tag cement Plug #3 @3259' Plug #3 from 3496'-3259'. LD TBG to 1545'. RIH w/6' sub. EOT @ 1549'. Establish circulation. RU Bohler Cement. Pump 2 bbl fresh water spacer. Pump 200 sx G-Neat 15.8# 1.15 cement. Displace w/ 9 bbls 9# mud. TOOH w/ TBG to derrick. SIWFN.				
			Road crew to yard.				

Date:	9/7/2021			Rig Day			
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Daily Operations Summary							

Detail Operations Summary							
Begin	End	Downtime	Description of Events				
			Road crew to location.				
			Start equipment. SCP-0, Surface-0. No flow or bubbles.				
			TIH w/ 2 7/8" TBG & 4 3/4" cone bit. Tag cement top @ 825' BLM Witness. LD TBG to 660'. Establish circulation. RU Bohler cement truck. Pump 2 bbl fresh water spacer, 220sx G-Neat 15.8# 1.15 cement.				
			Returns have mix of heavy mud & cement. LD TBG on trailer. Wash out BOPS & return line.				
			SIWFN.				
			Road crew to yard.				
			(Tag cement on 9-8-21)				

Date:	9/8/2021			Rig Day			
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Daily Operations Summary							

Detail Operations Summary							
Begin	End	Downtime	Description of Events				
			Road crew to location.				
			Start equipment. SCP-0, Surface-0. TIH w/ 4 3/4" cone bit & 2 7/8" TBG. Tag cement @ 265'. Pump 40 sx 15.7# 1.15 G-Neat @ 260'. Cement returns to surface. LD TBG on trailer. ND work floor & BOPS.				
			Wash out stack & BOPS. Top off well w/ 8sx to ground level w/ cement. RD Pump & lines. RDMO Bohler 6. Clean up location.				

Date:	9/14/2021			Rig Day			
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Daily Operations Summary							

Detail Operations Summary							
Begin	End	Downtime	Description of Events				
			MIRU Cut & cap crew				
			Dig down 10'. Cut off 8 5/8" CSG & 5 1/2" CSG 8' down. Fill 8 5/8" CSG to surface w/ 10 sx cement. 5 1/2" CSG is full of cement to top. Weld on Name plate cap. Fill in hole. Clean up location.				
			Release Cut & Cap crew.				