



Well Name	Amoco 1-11/ Nickelroad		303-219-3362	Rig Name/Number	Brigade 15	
County	Weld			Location (Sec-T-R)		
State	Colorado			Supervisor	Jason Eisenach	
AFE #				Engineer	Taylor Heffner	
Date:	8/5/2019			Rig Day	3	
Daily Operations Summary						
MIRU Brigade rig 15. NU BOPS. RU equipment. SIWFN						
Detail Operations Summary						
Begin	End	Downtime	Description of Events			
7:00	9:00		Road rig & equipment to location.			
9:00	11:00		MIRU Brigade rig 15.			
11:00			Spot in equipment. Lay all pump lines. NU 9 5/8 screw on flange, 11"3K-7 1/16" 5K spool, 7 1/16" 5K mudd			
	2:00		cross, 7 1/16" 5K spacer spool, & 7 1/16" 5K BOPS w/ 2 7/8 pipe & rams w/ washington head.			
2:00	4:30		RU work floor power swivel, pipe wrangler & 3" hard line to work tank.			
4:30	5:00		SIWFN.			
5:00	6:00		Road crew to yard.			



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AFE #				Engineer	Taylor Heffner	
Date:	8/6/2019			Rig Day	4	
Daily Operations Summary						
Tag cement @ 540'. PSI test 9 5/8 36# CSG to 250 test good. Drill 75' cement to 615'						
Detail Operations Summary						
Begin	End	Downtime	Description of Events			
7:45	8:45		Road crew to location.			
8:45	9:45		Start equipment. Change BOP pipe rams to 3 1/2" for DC.			
9:45			SCP-0. TIH w/ 6 1/8" cone bit, float sub and drill collars w/ power swivel. No surface cement plug in top of CSG.			
			Continue TIH w/ 10 3 1/2" DC & 2 7/8 L-80 EUE TBG. Tag cement @ 540'. 10 DC & 7-JTS. Roll hole clean.			
	4:00		PSI test CSG 250 PSI hold 15 min. Test Good.			
4:00	5:30		Establish circulation w/ fresh water, start drilling cement @540'. Drill 75' of cement to 615'.			
5:30	6:15		Roll hole clean w/ fresh water.			
6:15	6:30		Pull up 48' to 567'. SIWFN.			
6:30	7:30		Road crew to yard			



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AFE #				Engineer	Taylor Heffner		
Date:	8/7/2019			Rig Day	5		
Daily Operations Summary							
Wash down to 2370'. TOO H & LD DC.							
Detail Operations Summary							
Begin	End	Downtime	Description of Events				
6:00	7:00		Road crew to location.				
7:00			SCP-O. Start equipment. Start drilling cement @ 615'. Establish circulation w/ fresh water. Drill cement to 648'.				
			Fall out of cement @ 648'. Continue TIH w/ power swivel & circulating, pushing something in front of bit down				
			hole. Wash down to 2005'. Pipe stuck work pipe free. Circulate hole clean. Getting lots of rubber & sand in				
	2:00		returns. Circulate hole clean. Lots of sand & cement.				
2:00	4:30		TIH w/ 2 7/8 TBG w/ power swivel. Total 62 jts & 10-3 1/2" DC, @ 2370'. Roll hole clean.				
4:30	6:30		TOOH w/ 62 jts TBG to derrick, LD-10 3 1/2" DC on trailer.				
6:30	7:00		SIWFN.				
7:00	8:00		Road crew to yard.				



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AFE #					Engineer	Taylor Heffner		
Date:	8/8/2019				Rig Day	6		
Daily Operations Summary								
Wash down to 6990' Roll hole. TOO H to 5600'. SIWFN. Cement NIO plug On 8-9-19.								
Detail Operations Summary								
Begin	End	Downtime	Description of Events					
6:00	7:00		Road crew to location.					
7:00			Start equipment. TIH w/ 4 3/4 blade bit & float sub w/ 79 jts 2 7/8 N-80 TBG to 2615' Stack out. Establish					
			circulation. Circulate 20 min. TIH w/ TBG to 3205'. Establish circulation 30 min. Continue TIH w/ TBG stopping					
			every 20 jts to fill TBG & circulate for 15 min. Wash down to 6990' Circulate hole for 20 min. TOO H w/ 42 jts to					
		6:00	derrick. SIWFN					
6:00	7:00		Road crew to yard.					



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AFE #					Engineer	Taylor Heffner		
Date:	8/9/2019				Rig Day	7		
Daily Operations Summary								
Pump 100 sx cement @ 6990'. TOOH w/ TBG 211 jts. SIWFN. Monday morning TIH tag cement plug								
Detail Operations Summary								
Begin	End	Downtime	Description of Events					
6:00	7:00		Road crew to location.					
7:00	9:00		Start Equipment. SCP-O, STP-O. TIH w/ 42 jts of 2 7/8 TBG to 6990'. Establish circulation fo 15 min.					
9:00	0:00		RU BJ cement. Safe meeting. PSI test lines 2000 PSI test good. Pump 30 BBLS integra EZ spacer, 20.5bbbs (100sx) class G Neat 15.8# cement, 41 BBLS of fresh water displacement. Displace .5 bbl past end of TBG. Float in TBG.					
	11:00		RD BJ Cement.					
11:00	3:30		TOOH w/ 211 jts of 2 7/8 TBG to derrick. LD bit & float sub. Circulate hole clean @ 2700'.90 min.					
			SIWFN.					
3:30	4:30		Road crew to yard.					



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Date:	8/12/2019				Rig Day	8		
Daily Operations Summary								
Detail Operations Summary								
Begin	End	Downtime	Description of Events					
6:00	7:00		Road crew to location.					
7:00	10:30		Start Equipment. SCP-O. TIH w/ 4 3/4" blade bit w/ float sub. Tag cement @ 6604' w/ 199 jts.					
10:30	1:00		TOOH w/ TBG LD TBG on racks. 161 jts. 38 jts in well @ 1258'.					
1:00			RU BJ Cement. PSI test lines 2500 PSI test good. Pump 30 BBLs intra guard spacer, pump 20bbls 15.8 # class neat cement (100 sx), pump 8 bbls fresh water displacement .5 bbls past end of TBG, float in hole.					
			RD BJ cement.					
			TOOH w/ 14 jts to derrick. LD 5 jts on rack. Circuale hole clean @ 628'. 30 min. LD 19 jts on racks.					
	4:30		SIWFN					
4:30	5:30		Road crew to yard					



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Date:	8/13/2019				Rig Day	9	
Daily Operations Summary							
Tag plug #2 @ 939'. Pump Surface shoe plug 110sx. Tag surface shoe plug @ 325'. ND well head & BOPS. RD Brigade 15.							
Detail Operations Summary							
Begin	End	Downtime	Description of Events				
6:00	7:00		Road crew to location.				
7:00			Start equipment. TIH w/ 4 3/4 blade bit, 4' pef-sub & 28 jts of 2 7/8 TBG. Tag cement plug @ 939'. LD 10 jts of 2 7/8 TBG on racks. 18 jts in hole w/ 6' sub @ 614'.				
9:00	9:00		MIRU BJ cement. PSI test test lines 800 test good				
9:00	10:30		Pump 20 bbls into guard spacer 12.5#, pump 22.8 bbls (110 sx) 15.8# Class G w/ 2% calcium, 2 bbls spacer.				
10:30	11:00		RD BJ Cement. TOOHD LD TBG on racks.				
11:00	12:00		Wait 2 HRS for cement to set up.				
12:00	2:00		TIH w/ 2 7/8 TBG 10 jts tag cement @ 325'. LD 10 jts TBG on racks.				
2:00	3:00		ND TBG Tongs, work floor, BOPS & well head.				
3:00	4:30		RD Brigade Rig 15. Rack out all pump & tank lines.				
4:30	6:00		SIWFFN. Road crew to yard				
6:00	7:00						



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Date:	8/14/2019			Rig Day	10		
Daily Operations Summary							
Detail Operations Summary							
Begin	End	Downtime	Description of Events				
6:00	7:00		Road crew to location.				
7:00	8:30		Load up equipment take back to Brigade yard w/ rig.				
8:30	9:00		ATP Road backhoe to location.				
9:00	1:00	4	Backhoe down wait on mechanic & fix.				
1:00			Dig down 7'. Cut off 9 5/8" off @ 5' from ground level. Mix & dump 10sx cement down CSG. Cement 1' from top.				
			Weld cap on top of 9 5/8" CSG w/ Amoco 1-11, 05-123-10194, 1980'FSL 1980 FEL NWSE sec11 7N67W.				
			Back fill hole.				
	5:00		Clean up location & lease road.				
			Well Complete.				