MERIT ENERGY COMPANY

Shoshone 65-42

Plug and Abandonment Procedure **Revised 3/28/2022**

Well Information

Field: Circle Ridge
County: Fremont County, Wyoming
Legal: 1,677' FSL & 2,350' FEL Section 36 T7N R3W
Lat/Long: 43.53728, -109.06079
API #: 4901306851

Ground level elevation	7,254'	**KB Elevation:**	7,263'
TD:	1,150'	**PBTD:**	1,124'
Surface Casing:	None		
Surface Casing Cement:	N/A		
Surface Casing TOC:	N/A	**Source:**	N/A
Production Casing;	5-1/2" 14.0 #/ft @ 1,149'		
Production Casing Cement	70 sx Stratalite cement through shoe 70 sx Regular through 2 stage at 827'		
Production Casing TOC	362'	**Source:**	Calculation
Production Tubing	2-7/8" 6.5 #/ft tubing and packer		
Open perforations	Embar: 854' – 1,114'		
Well Status	Shut In Injector		

Note: All cement pumped for this procedure will be 15.8 ppg Class G neat cement with a yield of 1.16 cu. Ft/sk and .3% by weight dispersant added.

Plugging Procedure

1. MIRU, pull all tubing, packers, rods, and pumps out of hole.
2. Run Bit and Scraper to PBTD.
3. Set CICR 50' above the top perf @ 804'.
4. Pump 1.5x wellbore volume (55 sx) of cement below CICR.
5. Sting out of CICR, pump 25 sx on top of retainer (TOC = 592').
6. ~~WOC 24 hours.~~ **This step has been deemed to be not necessary and is removed**
7. Pressure test production casing to a minimum of 500 psi for 10 minutes.
8. Perforate circulation hole 200' from surface in production casing.
9. RIH with 2 3/8" 4.9# tubing to 190' below surface and circulate cement to surface outside Production casing through perforation.
10. Pump balanced plug to surface inside production casing.
11. WOC 24 hours. If cement level has fallen top off production casing with cement back to surface utilizing 1" poly hose.
12. Cut casing 3' below grade and weld on dry hole plate w/ legal ID. Remove rig anchors.

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Field: Circle Ridge
Total Depth
Location: NW/SE, SEC 36, T7N, R3W

Well: Shoshone 65 42

Status: SHUT-IN
County, State: FREMONT, WYOMING
API: 490130685100

CPF: Circle Ridge
Spud Date: 1/1/1900
Ground Elevation: 7,254.00
KB Elevation: 7,265.00
On Production Date: 1/1/1997

SHOSHONE-65 42, 1/28/2022 2:05:00 PM

MD (ftKB)	Vertical schematic (actual)
7.9	
11.2	
361.9	1-1; Tubing; 2 3/8; 2.00; 8.0-723.0; 715.00 5 1/2; 11.0-1,149.0 Des:Production Casing Cement; Depth MD:362.0-827.0 ftKB; Date:12/8/1954; Com:70 sacks reg. ideal cement through 2-stage collar at 827'. Cement top at 362' by calculation. Trace of stratolite cement in returns.; Top MD:362.0 ftKB; Btm MD:827.0 ftKB
723.1	1-2; Packer; 5.01; 723.0-726.0; 3.00
726.0	
827.1	
846.1	
854.0	Embar; 854.0-1,149.0; 295.00 PERFORATED; 846.0-874.0; 10/23/1985 PERFORATED; 854.0-876.0; 12/11/1954
874.0	
876.0	
996.1	Des:Production Casing Cement; Depth MD:827.0-1,150.0 ftKB; Date:12/8/1954; Com:70 sacks Stratalite cement through shoe. Cement top at 2-stage collar by calculation.; Top MD:827.0 ftKB; Btm MD:1,150.0 ftKB
1,000.0	PERFORATED; 996.0-1,010.0; 10/23/1985 PERFORATED; 1,000.0-1,012.0; 12/11/1954
1,009.8	
1,012.1	
1,023.0	
1,024.9	PERFORATED; 1,025.0-1,033.0; 12/11/1954 PERFORATED; 1,023.0-1,036.0; 10/23/1985
1,033.1	
1,036.1	
1,055.1	PERFORATED; 1,055.0-1,061.0; 12/11/1954
1,061.0	
1,096.1	PERFORATED; 1,096.0-1,114.0; 12/11/1954
1,113.8	
1,124.0	Des:Production Casing Cement (plug); Depth MD:1,124.0-1,150.0 ftKB; Date:12/8/1954; Com:70 sacks Stratalite cement through shoe. Cement top at 2-stage collar by calculation.; Top MD:1,124.0 ftKB; Btm MD:1,150.0 ftKB
1,149.0	
1,149.9	