MERIT ENERGY COMPANY

Shoshone 65-41

Plug and Abandonment Procedure

Well Information

Field: Circle Ridge
County: Fremont County, Wyoming
Legal: 330' FSL & 2,310' FEL Section 36 T7N R3W
Lat/Long: 43.5336, -109.06064
API #: 4901306839

Ground level elevation	7,195'	**KB Elevation:**	7,204'
TD:	1,706'	**PBTD:**	1,490'
Surface Casing:	None		
Surface Casing Cement:	N/A		
Surface Casing TOC:	N/A	**Source:**	N/A
Production Casing; **Liner:**	5-1/2" 14.0 #/ft, J-55, @ 1,693' 4-1/2" 11.6 #/ft, K-55 @ 1,261'		
Production Casing Cement **Liner Cement**	100 sx Stratalite cement through shoe + 90 sx Regular through 2 stage at 1,267' 55 sx Class G		
Production Casing TOC **Liner TOC**	432' Surface	**Source:**	Calculation Workover Report
Production Tubing	2-7/8" 6.5 #/ft tubing and packer		
Open perforations	Embar: 1,308' – 1,406' Embar: 1,544' – 1,660' (TA'd under permanent bridge plug @ 1,490')		
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 the bottom of the liner @ 1,261'.
3. Set CICR 50' above the the bottom of the liner at 1,211'.
4. Pump 1.5x wellbore volume (35 sx) of cement below CICR.
5. Sting out of CICR, pump 25 sx on top of retainer (TOC = 926').
6. WOC 24 hours.
7. Pressure test production casing to a minimum of 500 psi for 10 minutes.
8. Perforate at 400' thru 4.5" Liner and 5.5" production CSG.
9. Pump 1.5x wellbore and 5.5"x4.5" annular volume of cement to surface through 5.5" leaving balanced plug inside 4.5" to surface.
10. WOC 24 hours. If cement level has fallen top off production casing with cement back to surface utilizing 1" poly hose.
11. Cut casing 3' below grade and weld on dry hole plate w/ legal ID. Remove rig anchors.

12.

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Wellbore Diagram

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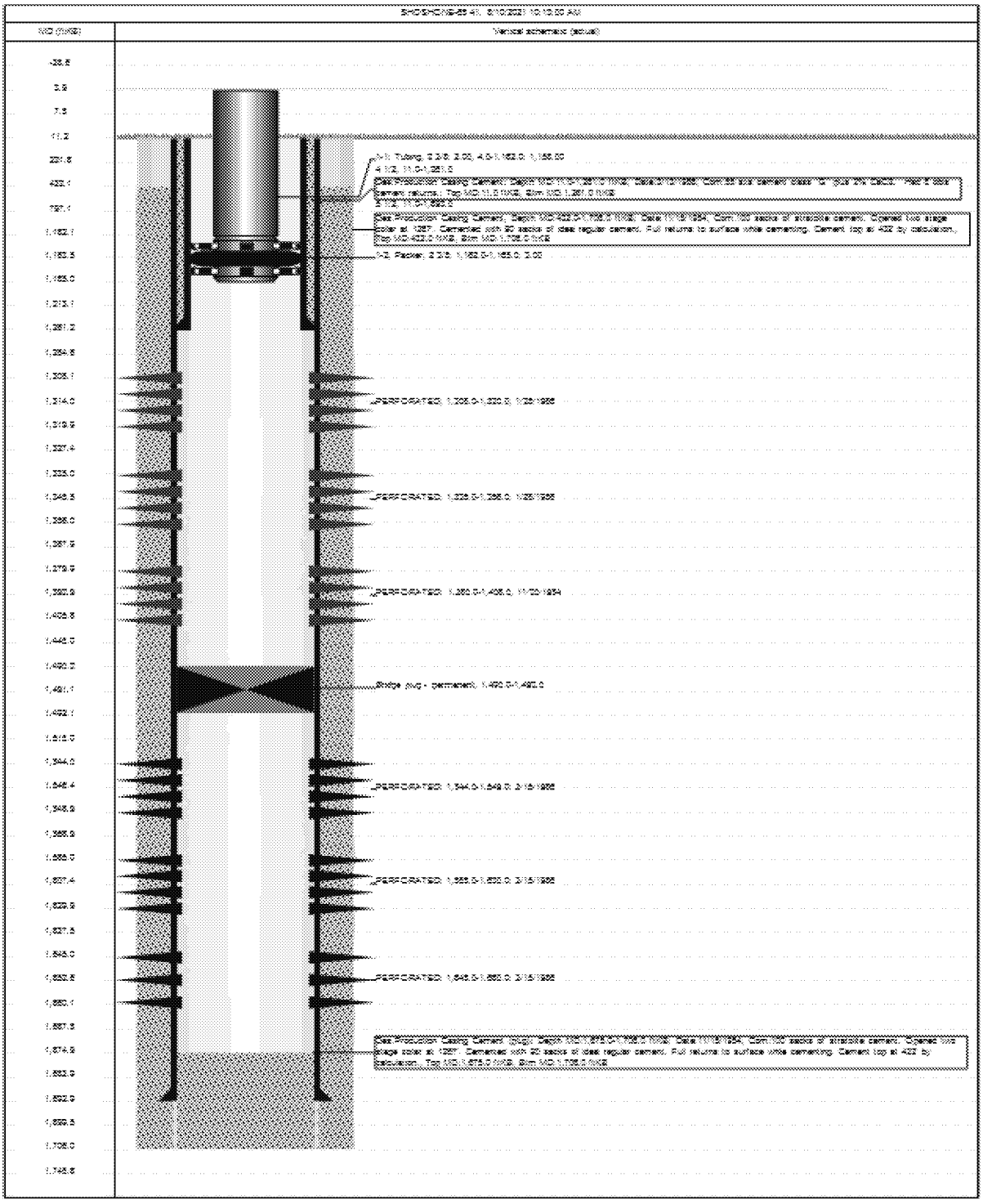
Field: Circle Ridge
Total Depth
Location:

Well: Shoshone 65 41
Status: SHUT-IN
County, State: FREMONT, WYOMING
API: 490130683900

CPF: Circle Ridge
Spud Date: 1/1/1900
Ground Elevation: 7,195.00
KB Elevation: 7,206.00
On Production Date: 3/1/1986



Report Printed: 8/10/2021 Page 1/1