



**DTU 1083 (P&A)**  
**513' FNL & 793' FWL**  
**NWNW SEC 23-T2S-R102W**  
**Rio Blanco, Colorado**

**Purpose: P&A**

**Date: 06/21/2022**

**AFE: 22P009**

**KBE:** 6711' (KB 10')  
**GLE:** 6701'  
**PBTD:** 3200'  
**TD:** 3284'  
**TBG DETAIL:** 89 jts 1.9"  
**ETOC @ Surface (1393 ft<sup>3</sup> CMT stated in Completions Report)**

**API NUMBER:** 05-103-09342  
**LEASE NUMBER:** C-03691  
**PERFS:** MANCOS (2662'-3020')  
**CURRENT EOT:** 2853'  
**FEDERAL SURFACE/MINERAL**

Tubular Type	Grade	OD (in)	Wt/Len (lb/ft)	Set Depth (ft)	ID (in)	Drift (in)	Collapse (psi)	Burst (psi)	Capacities		
									Gal/ft	ft <sup>3</sup> /ft	Bbl/ft
Surface Casing	J-55	8.625	24	230	8.097	7.972	1370	2950	-	-	-
Production Casing	J-55	5.500	15.5	3284	4.950	4.825	4040	4810	0.9997	0.1336	0.0238
Production Tubing	J-55	1.9375	2.76	2853	1.900	1.516	7750	7350	0.1058	0.0141	0.0025

Annular Capacities	Gal./ft.	Cuft/ft.	Bbl./ft.
5.5" csg X 8.625" 24# csg	1.4407	0.1926	0.0343
5.5" csg X 7.875" Borehole	1.2960	0.1733	0.0309

**GEOLOGIC INFORMATION:**

FORMATION	DEPTH TO TOP (ft)
Mancos	1456



## DTU 1083 PLUG & ABANDONMENT PROCEDURE

### **GENERAL:**

- BLOW DOWN BRADEN HEAD AND SURFACE CASING AS NEEDED.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, 15.8ppg, YIELD 1.15 CUFT/SX. IF A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESPONSIBLE FOR CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME.
- TREATED FRESH WATER WILL BE PLACED BETWEEN ALL PLUGS INSTEAD OF BRINE.
- ALL DISPLACEMENT FLUID SHALL CONTAIN CORROSION INHIBITOR AND BIOCIDES. PREMIX 5 GALLONS PER 100 BBLs FLUID AND IS TO BE PLACED BETWEEN ALL PLUGS.
- NOTIFY APPROPRIATE AGENCY(S) 48 HOURS BEFORE MOVING ON LOCATION.

### **PROCEDURE:**

**Note:** Approx. **54 SX/101 SX** of Class "G" cement needed for procedure, **(1) 5.5" CIBP**.

1. MIRU. ND WH, NU AND TEST BOPE. **NOTE: UTILIZE WELL SERVICES GUIDELINES FOR WELL CONTROL WHENEVER RIGGING UP BOPE AND WIRELINE, OR WHENEVER TRIPPING IN OR OUT OF THE WELL.**
2. TIH W/ TUBING TO TAG **PBTD @ 3200'**. TOOH. TALLY OUT OF HOLE, SCAN, AND LD PRODUCTION STRING.
3. RU W/L. RUN A CBL LOG FROM PBTD TO SURFACE TO VERIFY THE TOC. RIH W/ CIBP. **SET CIBP @ 2632'**. RD W/L.
4. ISOLATE MANCOS PERFS (2662'-3020'): SET A 50' CMT PLUG F/ 2582'-2632' ON TOP OF CIBP (6 SX, 6.90 FT<sup>3</sup>, 1.23 BBLs).
5. ISOLATE TOP OF THE MANCOS (TOP @ 1456'). PUH TO 1475'. L/D UNNEEDED WORKSTRING TUBING. PUMP A BALANCED CEMENT PLUG INSIDE THE CASING FROM 1360'-1475' W/ 14 SX. (115') (14 SX, 16.1 FT<sup>3</sup>, 2.87 BBLs).
6. PROTECT 8-5/8" SURFACE CASING SHOE (SHOE @ 230') AND SURFACE: PUH TO 280'. L/D UNNEEDED WORKSTRING TUBING. PUMP A SURFACE PLUG INSIDE THE 5.5" CASING FROM 280' TO SURFACE W/ 34 SX (280') (34 SX, 39.10 FT<sup>3</sup>, 6.96 BBLs).  
  
**IF TOC IS BELOW SHOE:** TOOH W/ WORKSTRING. RU W/L. RIH AND PERF @ 280'. ESTABLISH CIRCULATION AND FILL ANNULUS AND INSIDE CASING TO SURFACE W/ 81 SX. (280') (81 SX, 93.15 FT<sup>3</sup>, 16.59 BBLs)

7. CUT OFF WELLHEAD AND INSTALL MARKER PER REGULATIONS.



8. RDMO. TURN OVER TO OPERATIONS FOR SURFACE REHAB. SURFACE RECLAMATION TO BE PERFORMED IN ACCORDANCE WITH REGULATIONS.