



**DTU 1101 (P&A)**  
**134' FSL & 1616' FEL**  
**SWSE SEC. 25, T2S, R102W**  
**RIO BLANCO, CO**

**Purpose: P&A**

**Date: 06/2/2022**

**AFE: 22P003**

**KBE:** 6429' (10')  
**GLE:** 6419'  
**PBTD:** 2439'  
**TD:** 2479'  
**CURRENT EOT: Assume 2269'**  
**TBG DETAIL: Assume 1.9" Tubing**

**API NUMBER: 05-103-09437**  
**LEASE NUMBER: C-03691**

**PERFS: Mancos (2117'-2426')**  
**ETOC @ 150' (CBL)**

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	K-55	8.625	24	225	8.097	7.792	1370	2950	-	-	-
Production Casing	J-55	5.500	15.5	2470	4.95	4.825	4040	4810	0.9997	0.1336	0.0238

Tubular/Borehole	Capacities		
	Gal./ft.	Cuft/ft.	Bbl./ft.
5.5" 15.5# J-55 csg	0.9997	0.1336	0.0238

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	960

DTU 1101 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 BBL FLUID AND IS TO BE PLACED BETWEEN ALL PLUGS.
- NOTIFY APPROPRIATE AGENCY(S) 48 HOURS BEFORE MOVING ON LOCATION.

**PROCEDURE:**

**Note:** Approx. **63 SX** of Class "G" cement needed for procedure and **(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 PBD @ 2439'. **ASSUME CURRENT EOT @ 2269'**. TOOH. TALLY OUT OF HOLE, SCAN, AND LD PRODUCTION STRING.
3. ISOLATE MANCOS PERFS (2017'-2426'): WU W/L AND SET CIBP @ 2067'. RD W/L AND RIH W/ WORKSTRING TO 2067'. SET CMT PLUG FROM 2017'-2067' (50') ON TOP OF CIBP. (6 SX, 6.90 FT<sup>3</sup>, 1.23 BBL).
4. AFTER SETTING BALANCE PLUG, PRESSURE TEST CASING.
5. ISOLATE MANCOS (TOP @ 960'): PUH TO 990' W/ TUBING. L/D UNNEEDED WORKSTRING. SET BALANCE PLUG INSIDE THE 5.5" CASING (13 SX) FROM 880'-990' (110') WITH CMT. (13 SX, 14.95 FT<sup>3</sup>, 2.66 BBL).
6. PROTECT CASING SHOE (SHOE @ 225'): PUH TO 275' W/ TUBING. L/D UNNEEDED WORKSTRING. SET BALANCE PLUG FROM 170'-275' (105') INSIDE 5.5" CASING. (13 SX, 14.95 FT<sup>3</sup>, 2.66 BBL).



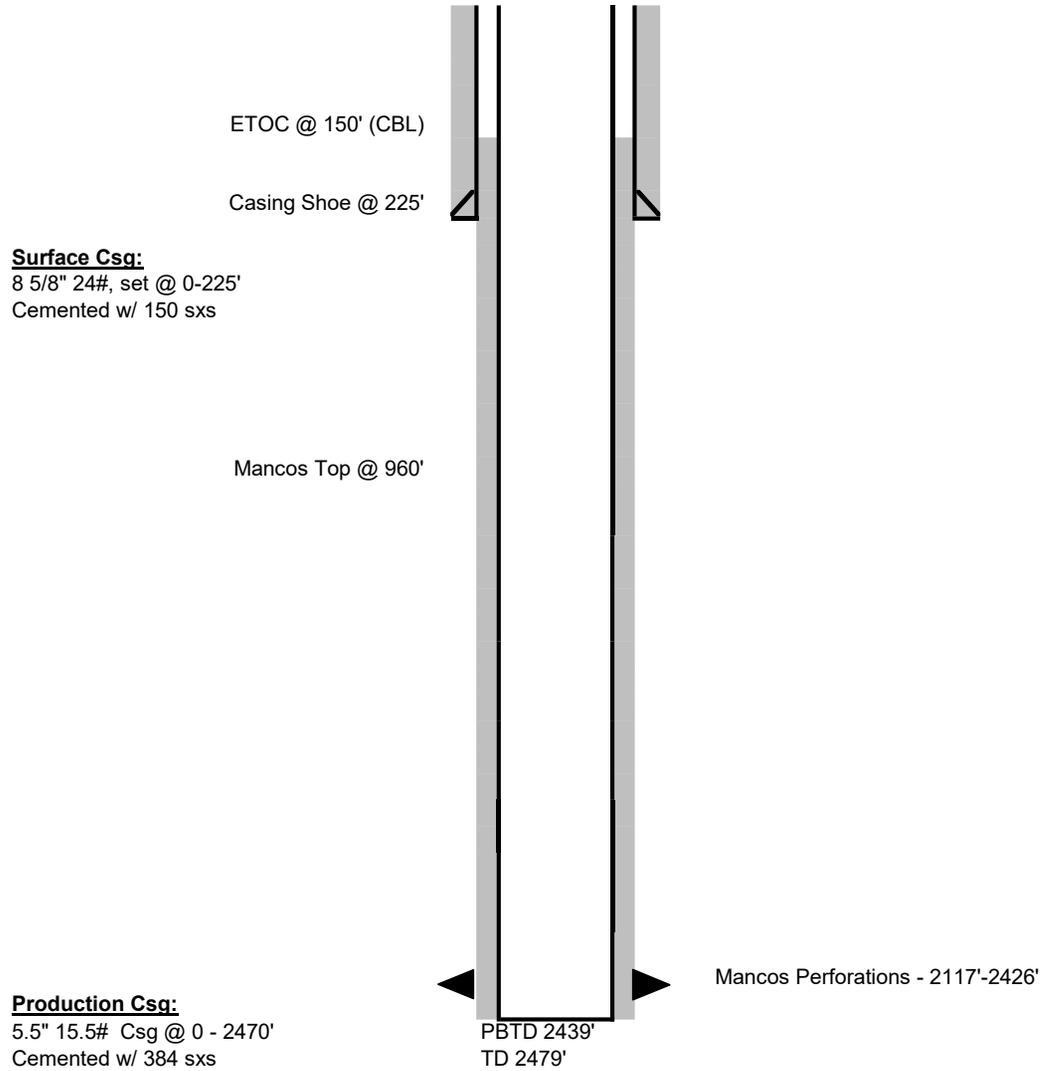
7. PROTECT SURFACE (105'): TOOHP WITH TUBING. RU W/L AND RIH TO PERF AT 105'. ESTABLISH CIRCULATION. PUMP AN ANNULAR PLUG (18 SX) FROM 0'-105' AND A PLUG INSIDE THE 5.5" CASING (13 SX) FILLING FROM 105' TO SURFACE. (31 SXS, 35.65 FT3, 6.35 BBLS)

IF CIRCULATION IS UNSUCCESSFUL, BALANCE A 105' CEMENT PLUG FROM 0' TO 105' INSIDE THE 5.5" CASING (13 SX, 14.95 FT3, 2.66 BBLS). AND PUMP CEMENT DOWN THE BACK SIDE OF THE ANNULUS UNTIL FULL.

8. CUT OFF WELLHEAD AND INSTALL MARKER PER REGULATIONS.
9. RDMO. TURN OVER TO OPERATIONS FOR SURFACE REHAB. SURFACE RECLAMATION TO BE PERFORMED IN ACCORDANCE TO REGULATIONS.

**Utah Gas Corp.**

	WELL INFORMATION
WELL NAME	DTU 1101
PROPERTY #	
DATE (WBD updated)/Author	06/02/2022, TJ Shelton
API #	05-103-09437
STATUS	PR
SURFACE LOCATION	SWSE SEC. 25, T2S, R102W
PRODUCING AREA	DRAGON TRAIL UNIT
COUNTY, STATE	RIO BLANCO, COLORADO
GROUND ELEVATION	6419'
KB-GR MEASUREMENT	10'
COMMENTS/Author	



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COMMENTS/Author	63 SX TOTAL

