

Mansur 33-4-C
SENEE Sec 33, T 12S, R97W
Mesa County, Colorado
API 05-077-09474

GL: 6227'; KB: 12' TD ': 3,620' PBTD: 3,573'
Conductor Casing: 16' @ 40'
Surface casing: 9 5/8" 36# J55 @528'
Production casing: 4 1/2" 11.6# N80 @3,813'

Estimated tops:	MD	TVD
Mancos	surface	
Dakota	3,362'	3,360'
Cedar Mtn	3,463'	3,460'

Surface location: NAD 83; Lat: 38.96506 / Long: 108.23342

Perfs; 3,437' – 3,444'
Perfs; 3,427' – 3,430'
Perfs; 3,413' – 3,416'
Perfs; 3,401' – 3,406'

Proposed work: Perform MIT, Perforate & GasGun Mancos.

Perform MIT and investigate oil-bearing silt stringers in Lower Mancos formation, Mancos silt stringer @ 2,984'-2,994', for further Whitewater field evaluation.

Procedure;

1. Hold tailgate safety meeting.
2. R/U WL & run GR log.
3. WL set 4 1/2" Bridge-Plug @ ~3,300'.

4. Load hole with water.
5. Perform MIT to 500 psi, hold min 15 minutes.
6. Pressure test casing to 4,000 psi to verify integrity.
7. Bleed off pressure.

8. Hold tailgate safety meeting.
9. Wireline run 10'x 4" perf gun, correlate & perforate ~2,984'-2,994' MD in Mancos silt stringer.
10. WL run 10'x 4" GasGun, correlate & discharge @ ~2,984'-2,994'.
11. Demob WL.

12. Swab well every 2-3 days over next ~2 weeks to assess and measure inflow.

Contingent Treatment.

If inflow is deemed insufficient to prove up Mancos by deploying GasGun next step will be to perform a Diverted Perf Breakdown Treatment (DPBT) to enhance GasGun fissures as follows;

- I. Mobilize Halliburton stimulation equipment.
- II. Hold pre-job safety meeting.
- III. Rig up on well & pressure test surface lines to 5,000 psi.
- IV. Perform DPBT as per Halliburton procedure;
 - a. Establish injection rate & pressure.
 - b. Blend and pump 7-stage Linear Gel Foam/N2 Treatment.
Water usage; 180 bbl
Proppant; 22,500 lbs 20/40 Premium White Sand
N2; 285,000 scf
- V. Shut in well and rig down Halliburton.
- VI. Put well on flow-back.

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