

THOMPSON C #6
Recommend Completion Procedure
Unit I Section 10 T27N R12W
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*****FRUITLAND COAL*****


11. RU wireline and perf the following coal interval w/ 3-3/8" HSC w/ 16.0 gram charges @ 4 SPF (correlate depths to CNL-CCL-GR log).

1464-1476'

Total: 12 feet: 48 holes

12. TIH w/ 3-1/2" 9.3# N-80 FJ frac string and set fullbore pkr @ 1350'. Load backside w/ 2% KCl water.
13. RU treatment company for frac. Hold safety meeting with all personnel. Pressure test surface lines to 5000 psi. Fracture treat lower coal according to attached schedule w/ 70Q foam at 20-25 BPM with 105,000 lbs of 20/40 mesh Arizona sand. Tag all sand w/ 0.4 mCl/1000# Ir-192 tracer. Flush with 10 bbls 2% KCl water. Estimated treating pressure is 1600 psi. MAXIMUM PRESSURE IS LIMITED TO 4000 PSII Monitor backside and braden head pressures during frac. Monitor bottomhole and surface treating pressure, rate, foam quality and sand concentration with computer van. Frac during daylight only.
14. SI well for 3 hours for gel break.
15. After gel break, open well through choke manifold & monitor flow. Flow @ 20 bbls/hr, or less if sand is observed.
16. When well ceases to flow, TOOH w/ pkr and frac string.
17. TIH w/ 2 3/8" tbg open ended and clean out lower coal until sand stops. After clean up, flow test the Coal for 24 hrs, taking pitot gauges every 6 hrs. Take final Pitot gauge and gas & water samples. TOOH
18. TIH w/ 2-3/8" tbg and 4 3/4" bit, clean out to PBTD. Blow well clean. Drill out CIPB set @ 1488', clean out to open hole TD. TOOH laying down 2-3/8" tbg.
19. RU wireline and run After - Frac - GR log from 1550' to 1100'.
20. TIH w/ 1550" of 1-1/2" tbg w/ standard seating nipple one jt off bottom and pump-off plug on bottom. Land tbg string.
21. ND BOP and NU independent wellhead. Pump off plug. Take final Pitot gauge. Rig down & release rig.

Approve:


J. A. Howieson

VENDORS:

Wireline:
Fracturing:
RA Tagging:

Basin
Western
Protechnics

325-52
327-62
326-71

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JAN 21 1994

OIL CON. DIV
DIST 3

SBD