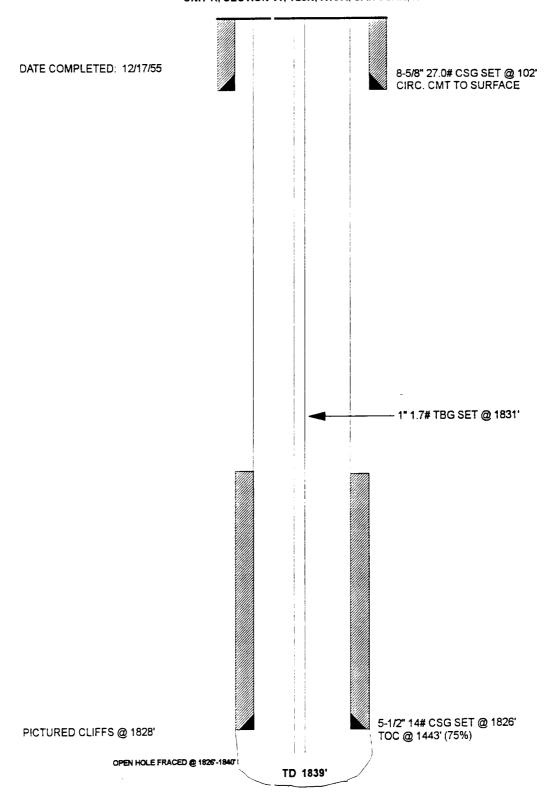
UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

buildly Noci	ices and Reports on We	lls
1. Type of Well GAS		5. Lease Number NM-0764 6. If Indian, All. or Tribe Name
2. Name of Operator		_ 7. Unit Agreement Name
MERIDIAN OIL		
Addrogg & Phone We of O		_ 8. Well Name & Number
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM	or 87499 (5(5) 326-9700	Knauff #4 9. API Well No. 30-045-
4. Location of Well, Footage, Sec 1800'FSL, 1635'FWL Sec.31, T-	C., T, R, M -28-N, R-1)-W, NMPM	10. Field and Pool Fulcher Kutz PC 11. County and State San Juan Co, NM
12. CHECK APPROPRIATE BOX TO IND	DICATE NATURE OF NOTIC	E, REPORT, OTHER DATA
Type of Submission _x_ Notice of Intent	Type of Ac Abandonment	ction
x Notice of intent		Change of Plans New Construction
Subsequent Report	Plugg.ng Back	Non-Routine Fracturing
Final Abandonment		Water Shut off
	Other -	Conversion to Injection
13. Describe Proposed or Comple	eted Operations	
It is intended to recomplet	_	e Basin Fruitland Coal wellbore diagrams.
It is intended to recomplet	e this wellbore to the	e Basin Fruitland Coal wellbore diagrams.
It is intended to recomplet	te this wellbore to the attached procedure and	wellbore diagrams.
It is intended to recomplet	e this wellbore to the	wellbore diagrams.
It is intended to recomplet	te this wellbore to the attached procedure and	wellbore diagrams.
It is intended to recomplet according to the a	AUG - 6 1993 OIL CON. DINDIST. 3	wellbore diagrams. RECEIVED REAL STATES 32 A. MA
It is intended to recomplet according to the a	AUG - 6 1993 OIL CON. DINDIST. 3	wellbore diagrams.
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KNAUFF #4

CURRENT

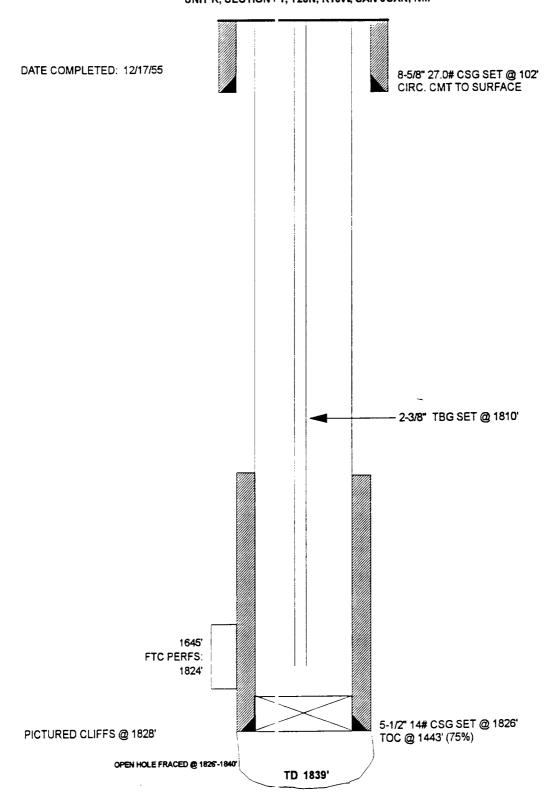
FULCHER FUTZ PICTURED CLIFFS UNIT K, SECTION 31, T28N, R10W, SAN JUAN, NM



KNAUFF #4

FROPOSED

FULCHER K JTZ PICTURED CLIFFS
UNIT K, SECTION: 1, T28N, R10W, SAN JUAN, NM



Kna Iff # 4 Recommend Completion Procedure Unit K Section 31 T28N R10W

NOTE: FRUITLAND COAL DEPTHS ARE ES" IMATED FROM THE ATTACHED "TYPE" LOG. ADJUST ALL ASSOCIATED DEPTHS WHEN LOGS ARE RUN.

- 1. Test rig anchors and repair if necessary. I stall 1-400 bbl frac tank on location and fill with 2% KCl water. Filter all water to 25 micror s.
- 2. MOL and RU. Comply to all NMOCD, FILM and MOI rules & regulations. Hold safety meeting. ND wellhead. NU BOP. Test operation of rams. NU two relief lines.
- 3. TOOH w/ 1831' of 1" tbg.
- 4. TIH w/ 4-3/4" bit and 5-1/2" 14# casing scraper on 2-3/8" tbg and clean out to TD of 1839'. TOOH.
- 5. RU wireline and run CCL-GR-CNL from TD (1839') to surface. Determine depth of casing shoe and correlate formation depths to existing "type" log.
- 6. After casing shoe depth is determined wire ine set 5-1/2" CIBP as close to the bottom of the Fruitland coal as csg shoe will allow approx (1825').
- 7. Load hole w/ 2% KCl water. Run CBL. If CBL appears inadequate, re-run log with 1000 psi surface pressure. If bond still appears unacceptable, contact production engineering. Send copy of CBL to production engineering.
- 8. Pressure Test csg to 1000 psi. If pressure test fails, locate holes and <u>contact Production</u> Engineering.
- 9. RU wireline and perf the <u>approximate</u> co at interval w/ 4" HSC w/ 9.8 gram charges @ 4 SPF (Production Engineering will choosε the exact perfs from the compensated neutron density log).

1809-1824' (Depths approximated from "TYPE" log)

LOWE R COAL

- 10. TIH w/ 3-1/2" 9.3# N-80 FJ frac string and t et fullbore pkr @ 1650'. Load backside w/ 2% KCI water.
- 11. RU treatment company for frac. Hold safety meeting with <u>all</u> personnel. Pressure test surface lines to 5000 psi. Fracture treat lower coal according to attached schedule w/ 70Q foam at 20 BPM with 60,000 lbs of 20/4) mesh Arizona sand. Flush with 605 gals gel. Estimated treating pressure is 1525 psi. <u>MAXIMUM PRESSURE IS LIMITED TO 4000 PSI!</u> 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.

Kna uff # 4 Recommend Completion Procedure Unit K Section 31 T28N R10W Page 2

- 12. SI well for 3 hours for gel break.
- 13. After gel break, open well through choke manifold & monitor flow. Flow @ 20 bbls/hr, or less if sand is observed.
- 14. Re-fill 400 bbl frac tank with 2% KCl water and filter to 25 microns.
- 15. When well ceases to flow, TOOH w/ pkr and frac string. TiH w/ 2-3/8" tbg and csg scraper and CO hole to 1750'. TOOH. TiH w/ 2-3/8" tbg and set 5-1/2" RBP @ 1700'. TOOH.
- 16. RU wireline and perf the <u>approximate</u> ccal interval w/ 4" HSC w/ 9.8 gram charges @ 4 SPF (Production Engineering will choose the exact perfs from the compensated neutron density log).

1645-1654' (Depths approximated from "TYPE" log)

UPPER COAL

- 17. TIH w/ frac string and set pkr @ 1690'. Pressure test BP to 3000 psi surface pressure.
- 18. Release pkr, PU to 1500', load backside and set pkr @ approx 1500'.
- 19. RU treatment company for frac. Hold safety meeting with <u>all</u> personnel. Pressure test surface lines to 5000 psi. Fracture treat i pper coal according to attached schedule w/ 70Q foam at 30 BPM with 50,000 lbs of 20/40 mesh Arizona sand. Flush with 550 gals 2% KCl water. Estimated treating pressure is 1850 psi. <u>MAXIMUM PRESSURE IS LIMITED TO 4000 PSII</u> 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.
- 20. SI well for 3 hours for gel break.
- 21. After gel break, open well through choke nianifold & monitor flow. Flow @ 20 bbls/hr, or less if sand is observed.
- 22. When well ceases to flow, TOOH w/ pkr and frac string. TIH w/ 2-3/8" tbg and 4-3/4" bit and clean out upper zone until sand flow stops. <u>Take Pitot gauge before releasing BP</u>. Release RBP set @ 1700'. TOOH. TIH & clean out lower coal to PBTD(1825') until sand flow stops. TOOH.

Knal ff # 4 Recommend Con pletion Procedure Unit K Section 31 T28N R10W Page 3

- 23. TIH w/ 2-3/8" tbg w/ standard seating nipple one jt off bottom and pump off plug on bottom and land tbg string @ 1810'.
- 24. ND BOP and NU independent wellhead. Pt mp off plug. <u>Take final Pitot qauqe.</u> Rig down & release rig.

	Approve:	A. Howieson	<u></u>
VENDORS: Wireline: Fracturing: KAS:kas	Schlum berger HOWC D	325-5006 325-3575	