

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

- | | |
|---|--|
| 1. Type of Well
GAS | 5. Lease Number
SF-079937 |
| 2. Name of Operator
MERIDIAN OIL | 6. If Indian, All. or Tribe Name |
| 3. Address & Phone No. of Operator
PO Box 4289, Farmington, NM 87499 (505) 326-9700 | 7. Unit Agreement Name |
| 4. Location of Well, Footage, Sec., T, R, M
1025'FNL, 885'FWL Sec.11, T-27-N, R-9-W, NMPM | 8. Well Name & Number
Turner Hughes #2 |
| | 9. API Well No. |
| | 10. Field and Pool
Basin Ft Coal |
| | 11. County and State
San Juan Co, NM |

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

- ☒ Notice of Intent
- ☐ Subsequent Report
- ☐ Final Abandonment

Type of Action

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> Change of Plans |
| <input checked="" type="checkbox"/> Recompletion | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Plugging Back | <input type="checkbox"/> Non-Routine Fracturing |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Water Shut off |
| <input type="checkbox"/> Altering Casing | <input type="checkbox"/> Conversion to Injectio |
| <input type="checkbox"/> Other - | |

13. Describe Proposed or Completed Operations

This well will be fraced during 1994 per the attached procedure.

RECEIVED
MAY 24 1994
OIL CON. DIV.
DIST. 3

RECEIVED

14. I hereby certify that the foregoing is true and correct.

Signed *Regan Bradfield* (uo) Title Regulatory Affairs Date 5/16/94

(This space for Federal or State Office use)

APPROVED BY _____ Title _____

CONDITION OF APPROVAL, if any:

APPROVED
Date

MAY 17 1994

NMOC

Turner Hughes #2 FRTC
Frac Procedure
D 11 27 9
San Juan County, N.M.

1. Comply to all NMOCD, BLM, & MOI rules & regulations. MOL and RU completion rig. NU 6" 900 series BOP with flow tee and stripping head. NU blooie line and 2-7/8" relief line.
2. Set blanking plug in S.N. of 2-3/8" tbg @ 2108' & pressure test to 2000 psi. TOH w/ 67 Jts 2-3/8" tbg.
3. Spot and fill 2 - 400 bbl. frac tanks with 2% KCL water. Filter all water to 25 microns. One tank is for gel & one tank for break down water. Usable water required for frac is 355 bbls.
4. Run CBL from 2150' to top of cmt. Make 5-1/2" csg scrapper run to 1950' on 2-3/8" tbg.
5. Run 5-1/2" pkr on 3-1/2" 9.3# P-110 w/shaved collars (4.25" O.D. 2.992" I.D.) rental frac string & set @ 1900'. Fracture treat well down frac string with 49,000 gals. of 70 quality foam using 30# gel as the base fluid & 100,000# 20/40 Arizona sand. Pump at 40 BPM. Monitor bottomhole and surface treating pressures, rate, foam quality, & sand concentration with computer van. Sand to be tagged with 0.4 mCi/1000# Ir-192 tracer. Max. pressure is 6000 psi and estimated treating pressure is 4000 psi. Frac string friction is about 1500 psi. Treat per the following schedule:

<u>Stage</u>	<u>Foam Vol. (Gals.)</u>	<u>Gel Vol. (Gals.)</u>	<u>Sand Vol. (lbs.)</u>
Pad	10,000	3,000	----
1.0 ppg	10,000	3,000	10,000
2.0 ppg	10,000	3,000	20,000
3.0 ppg	10,000	3,000	30,000
4.0 ppg	5,000	1,500	20,000
5.0 ppg	4,000	1,200	20,000
Flush	<u>(694)</u>	<u>208</u>	<u> </u>
Totals	49,000	14,700	100,000#

Shut well in after frac for six hours in an attempt to allow the gel to break. Treat frac fluid with the following additives per 1000 gallons:

TURNER HUGHES #2 FRTC - FRTC FRAC PROCEDURE
Page 2

* 30# J-4	(Gel guar)
* 5.0 gal. Fracfoam 2	(Foamer)
* 1.0# B-11	(Enzyme Breaker)
* 0.38# Fracide 20	(Bacteriacide)

6. Open well through choke manifold and monitor flow. Flow @ 20 bbl/hr, or less if sand is observed. Take pitot gauges when possible. TOH w/frac string and pkr.
7. TIH with 4-3/4" bit on 2-3/8" tbg and clean out to 2150' w/air-mist.
8. Monitor gas and water returns and take pitot gauges when possible.
9. When wellbore is sufficiently clean, TOH and run after frac gamma-ray log from 2150'-1500'.
10. TIH with 2-3/8" tbg with standard seating nipple one joint off bottom and again cleanout to 2150'. When wellbore is sufficiently clean, land tbg at 2100'KB. Take final water and gas samples & rates.
11. ND BOP and NU wellhead & tree. Rig down & release rig.

Approve: _____
J. A. Howieson

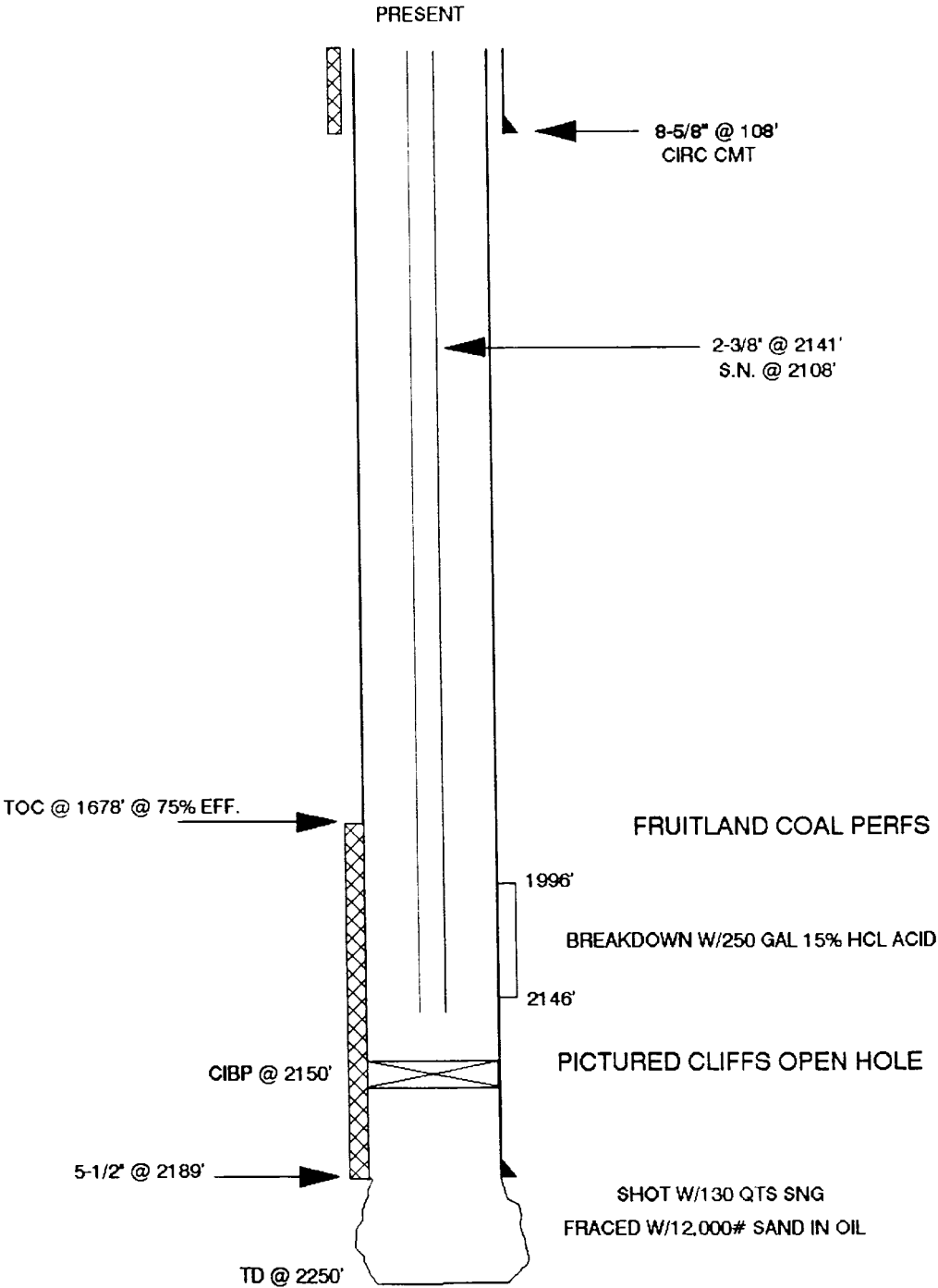
VENDORS:

Wireline:	Blue Jet	325-5584
Fracturing:	Western	327-6222
RA Tagging:	Pro-Technics	326-7133

PMP

TURNER HUGHES #2 FRTC

UNIT D SECTION 11 T27N R9W
SAN JUAN COUNTY, NEW MEXICO



Pertinent Data Sheet - TURNER HUGHES #2 FRTC

Location: 1025' FNL 885' FWL SEC. 11 T27N R09W, SAN JUAN COUNTY, N.M.

Field: Basin Fruitland Coal

Elevation: 6104' TD: 2250'
10' KB PBTD: 2150'

Lease: Federal SF-079937

DP#: 49429B

GWI: 100.0%

NRI: 75.00%

Completed: 8-29-55

Recompleted: 12-11-90

Initial Potential:

PC: AOF = 1020 MCF/D, SICP = 707 psi
FRTC: Pitot = 28 MCF/D

Casing Record:

Hole Size	Csg. Size	Wt. & Grade	Depth Set	Cement	Top/Cmt
e12-1/4"	8-5/8"	24# J-55	108'	80 sx	Circ. Cmt
e8-7/8"	5-1/2"	14# J-55	2189'	100 sx	188' @ 75% EFF. 1678'

Tubing Record: 2-3/8" 4.7# J-55 2141' 67 Jts
S.N. @ 2108'

Formation Tops:

Ojo Alamo	1150'
Kirtland	1210'
Fruitland	1770'
Pictured Cliffs	2042'

Logging Record: GRN (55), CNL (90)

Stimulation: Open hole (2189'-2250') Shot w/130 qts SNG. Fraced w/12,000# sand in diesel oil.

Workover History: 12-11-90: Set BP @ 2150' & perf FRTC @ 1996'-2000', 2012'-14', 2036'-52', 2058'-60', 2066'-69', 2104'-13', 2144'-46' w/2 spf (Total 76-0.5" holes). Broke down w/straddle pkr & 250 gal 15% HCL acid.

Production History: PC cumulative = 252 MMCF. FRTC not 1st delivered.

Pipeline: EPNG

PMP