

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. Type of Well
GAS

RECEIVED
MAY 21 1993

5. Lease Number
SF-078103
6. If Indian, All. or
Tribe Name

2. Name of Operator
MERIDIAN OIL

OIL CON. DIV.
DIST. 3

7. Unit Agreement Name

3. Address & Phone No. of Operator
PO Box 4289, Farmington, NM 87499 (505) 326-9700

Huerfano Unit
8. Well Name & Number
Huerfano Unit #46
9. API Well No.
30-045-

4. Location of Well, Footage, Sec., T, R, M
1650' FSL, 1650' FWL Sec. 23, T-26-N, R-9-W, NMPM

10. Field and Pool
Ballard PC
11. County and State
San Juan Co, NM

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

Type of Submission

Type of Action

☒ Notice of Intent

☐ Abandonment

☐ Change of Plans

☐ Subsequent Report

☐ Recompletion

☐ New Construction

☐ Final Abandonment

☐ Plugging Back

☐ Non-Routine Fracturing

☐ Casing Repair

☐ Water Shut off

☐ Altering Casing

☐ Conversion to Injection

☐ Other -

13. Describe Proposed or Completed Operations

It is intended to open the Fruitland Coal formation and commingle with the existing Pictured Cliffs per the attached procedure and wellbore diagram.

Application is being made to the New Mexico Oil Conservation Division for commingling of the Fruitland Coal and Pictured Cliffs formations.

RECEIVED
BLM
93 MAY 17 PM 2:35
070 FARMINGTON, NM

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

Signed [Signature] (MP) Title Regulatory Affairs Date 5/14/93

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date _____

CONDITION OF APPROVAL, if any:

7/14/93 for C102

NMOCD

APPROVED

MAY 18 1993

DISTRICT MANAGER

FTC CAPITAL WORKOVER
HUERFANO UNIT #46
SW/4. Section 23 T26N R09W
San Juan County, New Mexico

1. Install 1x400 bbl frac tank and fill with filtered (25 micron) 2% KCL water prior to moving the rig on location. Add 5#s of biocide to tank before filling. Transport 2300' of 3-1/2" and 300' 1-1/4" rental tbg to location.
2. MIRU. Comply with all BLM, NMOCD, and MOI rules and regulations. Blow down well and kill with water if needed. ND WH and NU BOP assembly.
3. TOOH w/1-1/4" tbg and stand back. TIH with 6-1/4" bit and 7" 20.0# casing scraper on 3-1/2" tbg. to open hole TD @ 2060'. Circulate hole clean. TOOH.
4. TIH open-ended w/notched collar on 3-1/2" tbg to 2000'. Pump 15 sks 20/40 sand to end of tbg. TOOH 1 stand. Displace sand out of tbg. TOOH 4 stands. Wait 30 minutes, TIH and tag sand, TOOH 1 stand wait 10 minutes, TIH and tag sand. Continue this operation until all sand has settled. TIH to 2022' (bottom of 7" csg @ 2025'). Reverse circulate hole clean w/ slickwater @ 2022'. TOOH 1 stand and pressure test 7" csg and sand plug to 1000 psi* (small amount of leakoff may be seen due to sand plug). Spot 12 Bbl 7-1/2% HCL. TOOH

*If casing does not hold pressure (greater than 10% in 10 minutes), contact production engineering and a repair procedure will be provided.
5. Perforate the following coal intervals (top down) with 5" HSC and 23 gram charges (0.45" Dp) @ 2 SPF and 90 degree phasing.

1907' - 1896'	(11')
1972' - 1966'	(6')
1988' - 1986'	(2')
2001' - 1996'	(5')
2012' - 2006'	(6')
2018' - 2020'	(2')

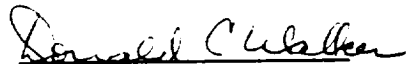
Total 32 net feet

6. TIH w/7" pkr on 3-1/2" tbg and set @ 1740'. Pressure test backside to 1000 psi. Unseat pkr and displace tbg w/ acid. Set pkr and breakdown perforations with 1600 gallons 15% HCl acid w/0.2% quaternary amine type clay stabilizer, inhibitor, and a sequestering agent. Drop 60 RCN ball sealers. Record BD pressure, ball action, injection pressure, injection rate, and ISIP. Unseat pkr and TIH to 2022' to knock off balls. TOOH to 1700' and flow well overnight. **Record 30 minute and 1 hour pitot gauge. If pitot gauge is not greater than approximately 150 MCFD, notify production engineering and drilling and prep to fracture stimulate down tbg.**
7. TOOH w/ pkr. TIH w/notched collar and clean out to TD w/air mist. Record 30 minute and 1 hour gauge on 1/8" choke. TOOH.

Huerfano Unit #46
Recompletion Procedure
Page 2

8. TIH w/ exp. check on 1-1/4" production string and SN one joint off bottom. CO to TD (including Pictured Cliffs). When fluid production becomes negligible, land tubing at 2044', pump off exp. check and obtain a final gauge from the combined Fruitland Coal and Pictured Cliffs.

10. ND BOP, NU WH. Release rig.


J. A. Howieson
JR

Service Company:
Stimulation - BJ Services (327-6288)
Wireline - Basin (327-5244)

HUERFANO UNIT #46

BALLARD PICTURED CLIFFS
SW/4 SECTION 23, T26N-R09W

