

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on re-
verse side)

Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

NM 5980

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal 21
WELL NO.

10. FIELD AND POOL OR WILDCAT

Ojo Encino *Entrada*

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec 21, T20N, R5W

12. COUNTY OR PARISH 13. STATE

McKinley

New Mexico

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

3. ADDRESS OF OPERATOR

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below)
At surface

330' FSL and 2310' FWL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, OR, etc.)

6785' GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANT

(Other)

plug back

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATION (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perti-
nent to this work.)

We request permission to temporarily plug back from the Entrada and test the Mesaverde. Once testing is completed will either squeeze off Mesaverde and resume Entrada production or put Mesaverde on longer term production test. Propose to do this work as follows: (Schematic enclosed)

1. Set cast iron bridge plug @ 3,100' KB $\pm$.

2. Perforate Mesaverde w/ 4" casing guns as follows:

2,616 - 19' 2PF
2,635 - 39' 2PF
2,713 - 17' 2PF
2,758 - 66' 2PF
2,769 - 75' 2PF

3. Will breakdown perfs and swab test for fluid contents.

4. Based on results may stimulate if necessary to test fully.

5. Either put on pump or squeeze off and drill out CIBP to resume Entrada production.

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

SIGNED

Steven S. Dunn

TITLE Operations

DATE 10/6/88

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

NMOCC

*See Instructions on Reverse Side

APPROVED

OCT 12 1988

AREA MANAGER

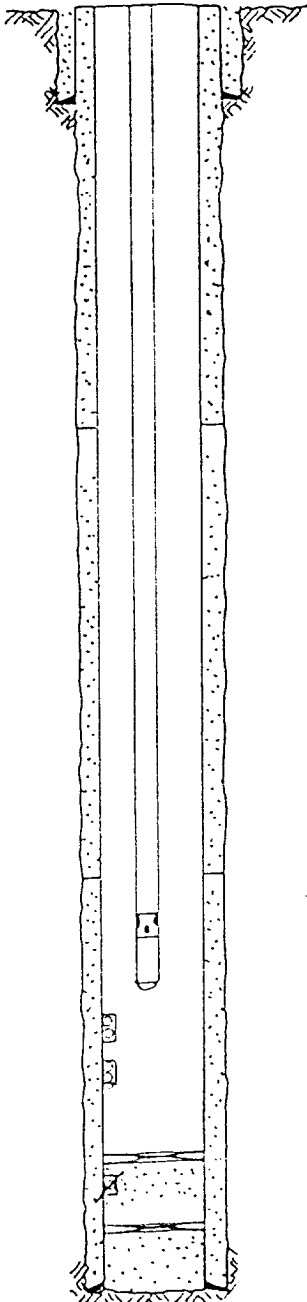
* MERRION OIL & GAS *

WELLBORE SCHEMATIC

Well: Federal 21 No 4
Field: Ojo Encino

Location: 330' FSL & 2310' FWL
Sec. 21. T20N. R5W
McKinley Co, New Mexico

Elevation: 6.797' KB
6.785' GL



TOC @ Surface

Bit Size - 12 1/4"

9 5/8" 36# Surface @ 243' KB w/ 75 sx

Hole size - 8 3/4"

Tbg: 2 7/8" EUE 6.5lb @ 5887' KB
182 Jts, SN, 4' PN, 30' Mud Anch
Rods: 2' & 6' 7/8" Ponies, 76 7/8"
Plain, 155 3/4" Plain
Pump: 2 1/2" X 1 1/2" X 20' RHAC

Stage Tool @ 3007' KB w/ 215 sx 'B' 2% D-79
followed by 75 sx 'H' 2% gel: TOC @ surface

Tops	Depth
Fruitland	Surface
Pict Cliffs	466
Cliffhouse	1.670
Gallup	3.700
Dakota	4.915
Todilto	5.890
Entrada	5.904

Stage Tool @ 5145' KB w/ 412 sx 'B' 2% D-79

5897-5901' Todilto Perfs (5 holes)
5908-5909' Entrada Perfs (4 holes)

PBTD @ 5.934' KB - Retainer
5944-48' Channelblock w/ 37,800 gal, sqz w/ 55 s
5954' Retainer, sqz shoe jt w/ 25 sx 'G'
TD @ 6.000' KB- 7" 20&23 lb J-55 @ 5.995' KB
w/ 200 sx 'H' 2% gel

Note: 5897', 5905', 5922' sqzd w/ 30 sx 'G' to
improve casing bond.