

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)

Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.
NM 5980

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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.)

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal 21

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

Undesignated Mesa Verde

11. SEC., T., R., M., OR S.W. AND
SURVEY OR AREA

Sec 21, T20N, R5W

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

Merrion Oil & Gas Corporation

3. ADDRESS OF OPERATOR

P. O. Box 840, Farmington, NM 87499

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

3310' FSL & 2310' FWL

330'

14. PERMIT NO.

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

6785' GR

12. COUNTY OR PARISH

McKinley

13. STATE

NM

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

Workover

X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (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 pertinent to this work.)*

Merrion Oil & Gas requests approval to workover the subject well per the attached procedure. The well is currently producing from the Menefee formation. The purpose of the workover is to isolate the Menefee above a packer and return the Entrada to production.

RECEIVED
SEP 20 1990
OIL CON. DIV
DIST. 3

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

SIGNED

T. Greg Merrion

TITLE

Engineer

DATE

9-5-90

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

APPROVED

cc: 1 Well File
5 BLM, Fmg

SEP 14 1990

*See Instructions on Reverse Side

FOR AREA MANAGER

MERRION OIL & GAS CORPORATION

FEDERAL 21-4
Ojo Encino Field

Pumping Unit Installation Procedure

LOCATION: 330' FSL and 2310' FWL August 27, 1990
Sec. 21, T20N, R52
McKinley County, New Mexico

ELEVATION: 6785' GL Prepared by: T. Greg Merrion
6797' KB

1. MIRU Ram workover rig. Kill well.
2. POH and LD rods and pump. POH and stand back 2-7/8" tbg. ND wellhead & NU BOP's.
3. PU and RIH w/ bit and scraper (for 7", 20# and 23# csg) and 2-7/8" tbg. Drill out retainer @ 2755', cement from 2755' 2775', and CIBP @ 3100'. Continue in hole and tag PBTDE 5926'.
4. POH and LD 2-7/8" tbg, scraper and bit.
5. PU and RIH w/ 7" tension packer, 1800' of 4-1/2", 12.75# tbg, 3.75" pump barrel w/ standing valve, and 2000' of 4-1/2" tbg. Set packer and land tbg. ND BOP's & NU wellhead. RIH w/ 3.75" pump plunger and 2000' of 1" rods. Space out rods and hang on pumping unit.
6. Place well on production and test.

Tom
Approved: 

Date: 8-29-90

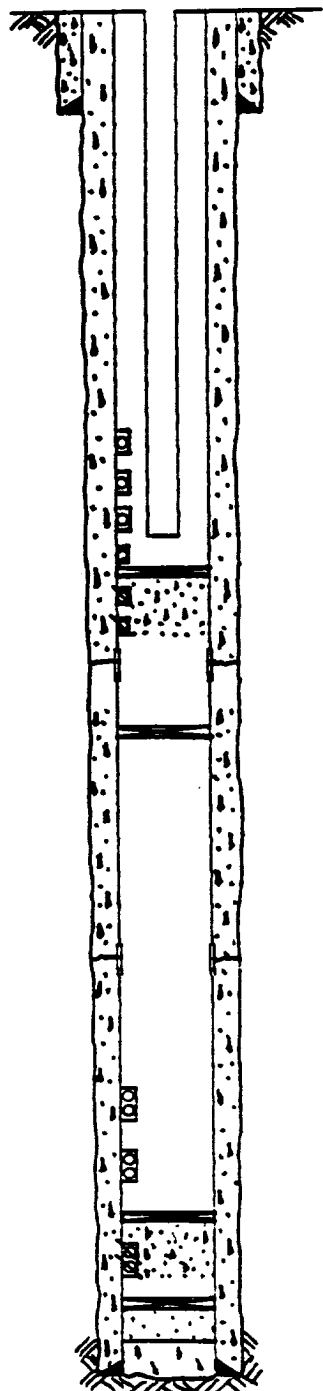
* MERRION OIL & GAS *

WELLBORE SCHEMATIC

Well: Federal 21 No 4
Field: Ojo Encino Entrada

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/ 75sx

Tops	Depth
Fruitland	Surface
Pict Cliffs	466
Cliffhouse	1,670
Gallup	3,700
Dakota	4,915
Todilto	5,890
Entrada	5,904

Mesaverde Perfs:

2,616'-19'

2,635'-39'

2,713'-17'

2,750'-52'

Retainer @ 2,755'

2,758'-66' & 2,769'-75' Sqzd w/50sx

Stage Tool @ 3,007'KB w/ 215 sx B 2% D79

Cast Iron BP @ 3,100'

Well Equipment
> 2 7/8" EUE Tbg ≈ 2,713' 84 jts, SN, 4'PN, 15'MA
> Rods: 62 3/4" Plain, 40 7/8"
> Pump: 2 1/2" x 2" x 20' RWBC

Stage Tool @ 5,145' w/412sx B
2% D79

Hole size - 8 3/4"

5,897'-5,901' Todilto Perfs (5 holes)

5,908'-5,909' Entrada Perfs (4 holes)

PBTD @ 5,926'KB

5,944' - 5,948' Channelblock Sqz w/37,800 gal & 55sx cmnt

Retainer @ 5,954'- Sqz Shoe Jt w/ 25sx

7" 20 & 23# Casing @ 5,995'KB w/ 200sx

TD @ 6,000' KB

12/16/1988
File: FED214.sch

Capacities: 2 7/8" Tbg - 0.00579 Bbl/Ft
7" 23#Csg- 0.0394 Bbl/Ft
Annulus - 0.3172 Bbl/Ft