

Form 3160-5
(June 1990)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

MERRION OIL & GAS CORPORATION

3. Address and Telephone No.

P. O. Box 840, Farmington, NM 87499 505-327-9801

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2310' FNL & 2310' FWL
Sec 21, T20N, R5W

FORM APPROVED

Budget Bureau No. 1004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No.

NM-15646

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Federal 21- 2

9. API Well No.

10. Field and Pool, or Exploratory Area

Ojo Encino *Entrada*

11. County or Parish, State

McKinley, NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

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

TYPE OF ACTION

- ☐
- Abandonment
-
- ☐
- Recompletion
-
- ☐
- Plugging Back
-
- ☐
- Casing Repair
-
- ☐
- Altering Casing
-
- ☒
- Other
- Plugging Procedure

- ☒
- Change of Plans
-
- ☐
- New Construction
-
- ☐
- Non-Routine Fracturing
-
- ☐
- Water Shut-Off
-
- ☐
- Conversion to Injection
-
- ☐
- Dispose Water

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

13. 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.)

Attached is a procedure to plug and abandon the subject well. This procedure is different than a previous procedure approved by your office, as we plan to shoot off and recover \pm 3600' of 7" casing. We plan to complete the P&A by year end.

RECEIVED

SEP 11 1991

OIL CON. DIV.
DIST. 3

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

Signed George E. SharpeTitle EngineerDate 8/15/91

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date SEP 04 1991

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

NM000

MERRION OIL & GAS CORPORATION

PLUG AND ABANDON PROCEDURE

FEDERAL 21 NO. 2
2310' FNL & 2310' FWL
Section 21, T20N, R5W
McKinley County, New Mexico

Prepared By: Neil Merrion

Date: 8/14/91

- 1) MIRU. POH w/ 3985' of 2-7/8" tbg and lay down sub pump. RIH with workstring open end to 5926'. RU cement company and spot 25 sx "B" with 50/50 poz and 6% gel (1.58 cu ft/sk) across Entrada perfs to 5746'. Pull and reverse clean.
- 2) WOC. Tag cement top. Circ hole full of 9.0 ppg mud.
- 3) Pull to 5230'. Spot 69 sx plug (same recipe as Step 1) across Morrison and Dakota tops to 4735'. Displace with mud. POH.
- 4) RU to pull 7" csg. Shoot casing @ \pm 3600'. POH and lay down 7" casing.
- 5) RIH with tbg to 3650'. Spot 60 sx plug across csg top and Gallup top to \pm 3400'. WOC. Tag cement. Roll hole with mud.
- 6) Pull to 1915'. Spot 50 sx plug across Menefee to 1715'. Displace with mud.
- 7) Pull to 600'. Spot 117 sx plug across PC Fruitland, and casing shoe to 158'.
- 8) Pull to 50'. Spot 15 sx plug to surface. POH.
- 9) - Rig down and install P&A marker.

NKM/GFS/l1s

APPROVED: _____

DATE: _____

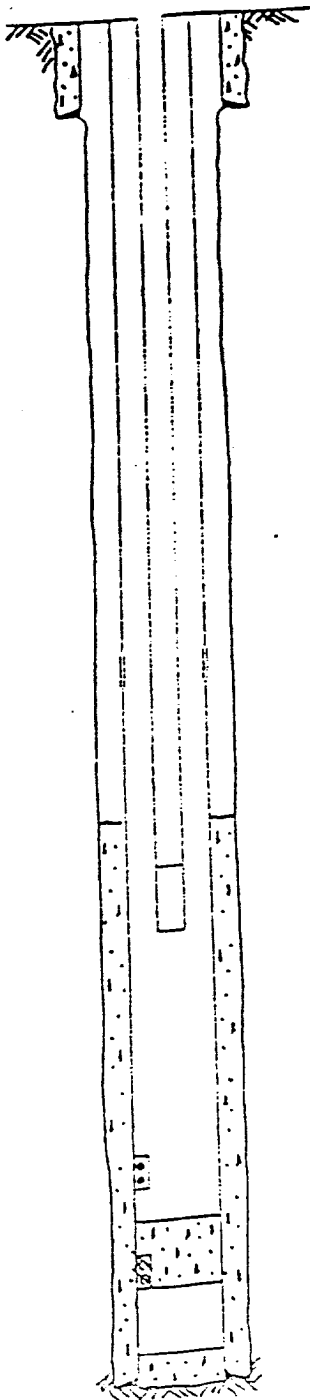
* MERRION OIL & GAS *

WELLBORE SCHEMATIC

Well: Federal 21 No 2
Field: Ojo Encino Entrada

Location: 2310' FNL & 2310' FWL
Sec. 21. T20N. R5W
Mckinley Co. New Mexico

Elevation: 6.818' KB
6.806' GL



TOC @ Surface
Bit Size - 15"

10 3/4" 40.5# Surface @ 208' KB w/ 200sx

Tops	Depth
/Cliffhouse	898
La Ventana	1.390
Menefee	1.865
Pt Lookout	2.787
Mancos	2.918
/Gallup	3.580
Dakota	4.960
/Entrada	5.911

Stage Tool @ 2.971' KB w/ No Cement

TOC @ ~~2.971~~ ³⁶⁰⁰
(by CBL)

Well Equip:

2 7/8" EUE Tbg ~ 3.985'
ESP @ 4.018' KB

Hole size - 8 3/4"

Entrada Perfs-
5.910 - 5.915' w/2jspf

PBTD @ 5.926' KB
5.934' - 5.944' w/ 2jspf
squeezed off w/ cement

7" 23&26# Casing @ 6.126' KB w/ 475sx
TD @ 6.150' KB

Capacities: 2 7/8" Tbg -
7" 26# Csg -
Annulus -
8 3/4" hole

0.00579 Bbl/Ft
0.0383 Bbl/Ft .3210
3172 Bbl/Ft .1503
.4176 cu ft/ft