

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

Budget Bureau NO. 1004-0155
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

9. WELL NO.

10. FIELD AND POOL OR WILDCAT

Ojo Encino

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

Sec. 21, T20N, R5W

12. COUNTY OR PARISH

McKinley

13. STATE
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

Merrion Oil and Gas Corporation

3. ADDRESS OF OPERATOR

P. O. Box 840, Farmington, New Mexico 87499

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

330² FSL and 2310' FWL

14. PERMIT NO.

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

6,785' GR

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) Temporarily
Dispose of water

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

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 perti-
nent to this work.)*

In order to evaluate the economics of our Federal 21-4 well,
Merrion Oil and Gas Corporation requests permission to
temporarily dispose of produced water for a period of 90 days.
We will need to dispose approximately 125 Bbbs per day of
produced Entrada water into the earthen pit through existing
facilities at our Federal 21-1 well located at 2310' FSL and
2310' FWL, Sec. 21, T20N, R5W, McKinley Co., N.M.

Entrada Water Analysis attached.

If test results justify, will re-install disposal equipment
and place Federal 21-3 salt water disposal well back in
service and file NTL 2B application for your approval.

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

SIGNED

TITLE Operations Manager

DATE 7/12/88

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

JUL 22 1988

BL CON. DIV.

APPROVED

JUL 25 1988

AREA MANAGER

*See Instructions on Reverse Side

NMOCO

CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 2794
Casper, Wyoming

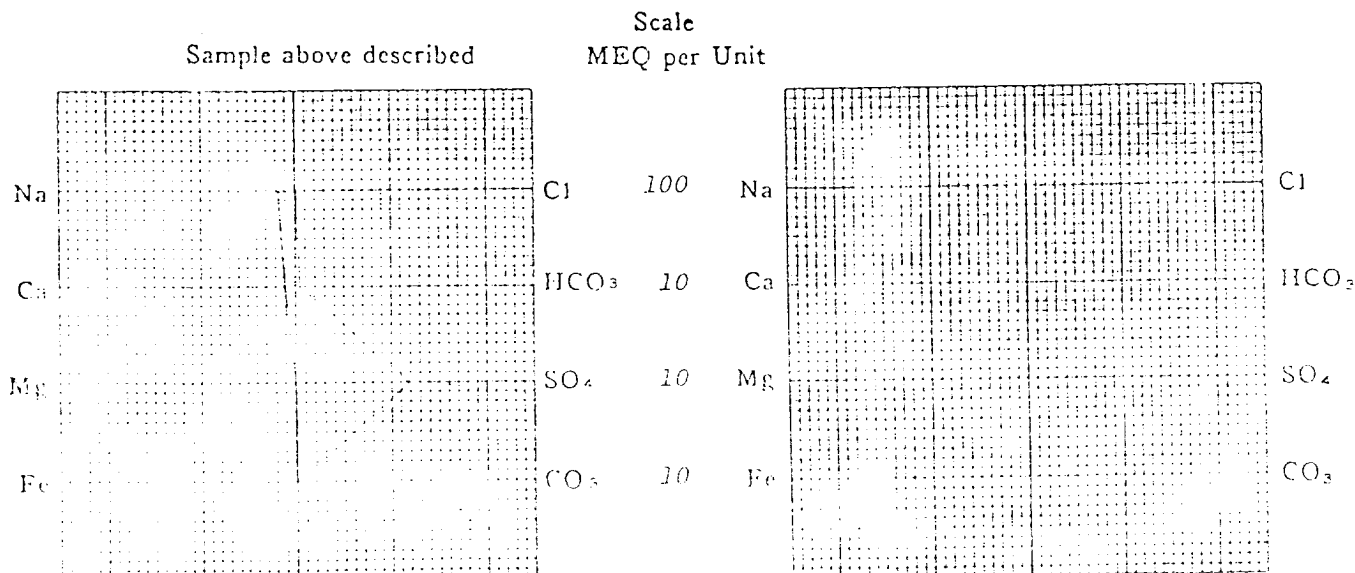
WATER ANALYSIS REPORT

OPERATOR Dome Petroleum Corp. DATE October 28, 1976 LAB NO. 21604-1
 WELL NO. Federal 21 No. 1 LOCATION Sec. 21-20N-5W
 FIELD Wildcat FORMATION Entrada
 COUNTY McPhinley INTERVAL _____
 STATE New Mexico SAMPLE FROM (10-20-76)

REMARKS & CONCLUSIONS:

Cations			Anions		
	mg/l	meq/l		mg/l	meq/l
Sodium	3301	143.61	Sulfate	5900	122.72
Potassium	67	1.72	Chloride	1070	30.17
Lithium			Carbonate	-	
Calcium	238	11.88	Bicarbonate	293	4.81
Magnesium	6	0.49	Hydroxide	-	
Iron	-		Hydrogen sulfide	-	
Total Cations		157.70	Total Anions		157.70
Total dissolved solids, mg/l			Specific resistance @ 68°F.:		
			Observed		
NaCl equivalent, mg/l			Calculated		
Observed pH					

WATER ANALYSIS PATTERN



(Na value in above graphs includes Na, K, and Li)
 No. 1 - Mg, Ca, SO₄, HCO₃, CO₃ in milliequivalents per liter
 Sodium chloride equivalent to 100 parts of water