

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Merrion Oil & 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

465; FSL and 2300' FWL

14. PERMIT NO.

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

6901' GL, 6909' KB

5. LEASE DESIGNATION AND SERIAL NO.

NM 53926

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Corrales

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

WC Mesaverde

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

Sec. 3, T20N, R6W

12. COUNTY OR PARISH 13. STATE

McKinley Co. New Mexico

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 PLANS

(Other) Core - Water Hauling

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 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.)*

Propose to haul drilling water from production pits on the following wells if available:

Pot Mesa 1, Pot Mesa 4, Corrales 1, and Zia 1.

in addition to Johnson's Trading Post. (Water analysis attached.)

Propose to core Menefee Formation as follows:

1. 2200 - 30'
2. 2525 - 55'
3. 2730 - 60'

RECEIVED
JAN 29 1986
OIL CON. DIV.
DIST. 3

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

SIGNED

TITLE Operations Manager

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED
DATE 1/26/86

JAN 28 1986
DATE

F.M. MILLENBACH
AREA MANAGER

*See Instructions on Reverse Side

NMOCC

ANALYSIS NO. 3Q-171-85

FIELD RECEIPT NO. N/A

API FORM 45-1

API WATER ANALYSIS REPORT FORM

Company MERRION OIL & GAS		Sample No. 1	Date Sampled 9/4/85	
Field	Legal Description Sec.2, T20N, R6W	County or Parish McKinlev	State NM	
Lease or Unit Zia	Well #1	Depth	Formation Wildcat MV	Water, B/D
Type of Water (Produced, Supply, etc.)		Sampling Point		Sampled By

DISSOLVED SOLIDS

CATIONS	mg/l	me/l
Sodium, Na (calc.)	1196	52.0
Calcium, Ca	0	0
Magnesium, Mg	5	0.4
Barium, Ba		
Potassium, K ⁺	5	0.1

ANIONS

Chloride, Cl	254	7.2
Sulfate, SO ₄	≤ 25	0.5
Carbonate, CO ₃	125	4.0
Bicarbonate, HCO ₃	2489	40.8
Hydroxide, OH	0	0

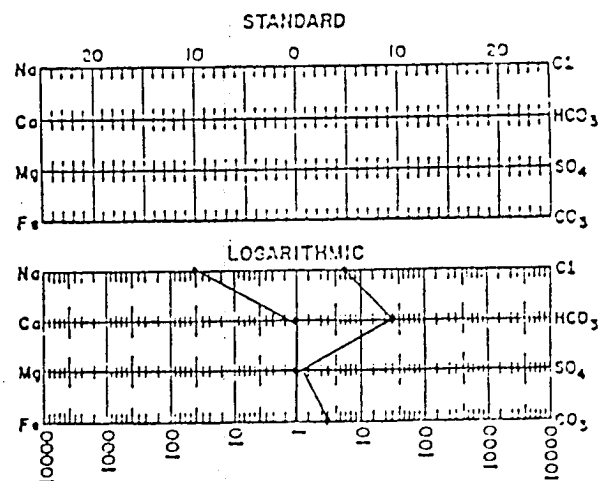
Total Dissolved Solids (calc.)
4099

Iron, Fe (total) -0-
Sulfide, as H₂S -0-

OTHER PROPERTIES

pH	8.3
Specific Gravity, 60/60 F.	1.005
Resistivity (ohm-meters) 74° F.	2.45
Total hardness	19

WATER PATTERNS — me/l



REMARKS & RECOMMENDATIONS:

ANALYST: Clay Terry

THE WESTERN COMPANY OF
NORTH AMERICA, FARMINGTON, NM
(505) 327-6222

Please refer any questions to: Clay Terry, District Engineer or
Tom Burris, Field Engineer

API WATER ANALYSIS REPORT FORM

Company MERRION OIL & GAS		Sample No. 1		Date Sampled 12/11/85	
Field Pot Mesa		Legal Description		County or Parish NM	
Lease or Unit Pot Mesa		Well #4		Depth 222-23'	
Type of Water (Produced, Supply, etc.)		Formation Gila		Water, B/D water	
Sampling Point		Sampled By TM/RD			

DISSOLVED SOLIDS

CATIONS	mg/l	me/l	ppm
Sodium, Na (calc.)	2497	109	2482
Calcium, Ca	10	0.50	10
Magnesium, Mg	16	1.32	16
Barium, Ba	-	-	-
Potassium, K ⁺	340	8.70	338

ANIONS

Chloride, Cl	4046	114	4022
Sulfate, SO ₄	101	2.09	100
Carbonate, CO ₃	22	0.37	22
Bicarbonate, HCO ₃	157	2.57	156

Total Dissolved Solids (calc.)

7189

Iron, Fe (total)

-0-

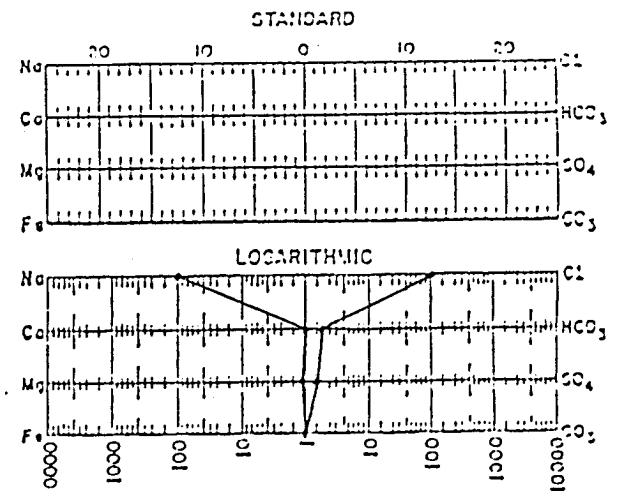
Sulfide, as H₂S

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OTHER PROPERTIES

pH	8.4
Specific Gravity, 60/60 F.	1.006
Resistivity (ohm-meters) 76° F.	0.78
Total hardness	65

WATER PATTERNS — me/l



REMARKS & RECOMMENDATIONS:

ANALYST: Russ Pyeatt

THE WESTERN COMPANY OF
NORTH AMERICA, FARMINGTON, NM
(505) 327-6222

Please refer any questions to: Clay Terry, District Engineer or
Tom Burris, Field Engineer
Russ Pyeatt, Field Engineer

ANALYSIS NO. 40-29-85

FIELD RECEIPT NO. N/A

API FORM 45-1

API WATER ANALYSIS REPORT FORM

Company MERRION OIL & GAS		Sample No. 1	Date Sampled 10/17/85	
Field Wildecut	Legal Description Sec. 10, T29N, R6W		County or Parish McKinley	State NM
Lease or Unit Pot Mesa	Well #1	Depth 2748-56	Formation	Water, B/D
Type of Water (Produced, Supply, etc.)			Sampling Point	Sampled By Merilatt

DISSOLVED SOLIDS

CATIONS	mg/l	me/l	ppm
Sodium, Na (calc.)	5999	261	5899
Calcium, Ca	146	7.31	144
Magnesium, Mg	102	8.36	100
Barium, Ba	-	-	-
Potassium, K ⁺	73	1.87	72

ANIONS

Chloride, Cl	8565	241	8422
Sulfate, SO ₄	0	0	0
Carbonate, CO ₃	0	0	0
Bicarbonate, HCO ₃	2255	37.0	2217

Total Dissolved Solids (calc.)

17,140

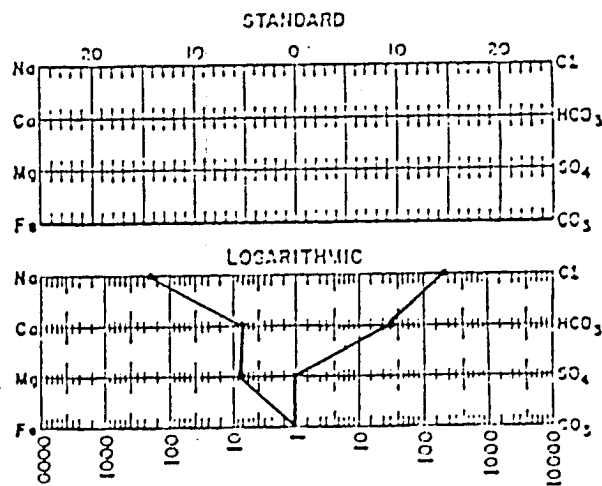
Iron, Fe (total)

Fe⁺⁺ 0; Fe⁺⁺⁺ 0Sulfide, as H₂S

OTHER PROPERTIES

pH	7.8
Specific Gravity, 60/60 F.	1.017
Resistivity (ohm-meters) 76° F.	0.4
Total hardness	770

WATER PATTERNS — me/l



REMARKS & RECOMMENDATIONS:

ANALYST: Russ Pyeatt

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NORTH AMERICA, FARMINGTON, NM
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Tom Burris, Field Engineer