

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division
811 S. 1st Street
Artesia, NM 88210-2834

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

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

Mewbourne Oil Company

3. Address and Telephone No.

P.O. Box 5270, Hobbs, NM 88241 (505)393-5905

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

660'FSL & 660'FEL of Section 19 - T18S - R30E

5. Lease Designation and Serial No.
NMNM28097

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Santo Nino "19" Fed #2

9. API Well No.

30-015-28328

10. Field and Pool, or Exploratory Area

Santo Nino Bone Springs

11. County or Parish, State

Eddy, 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

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

(Note: Report results of multiple completion 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.)*

Name of Formation: Bone Springs

Amount of Water Produced: 4 BPD

Water Analysis Attached

Water Storage: 1 fiberglass tank with 210 bbl capacity

Water Transfer: Through 3" diameter polyethylene line via 2" centrifugal pump

SWD Facility

Operator Name: Raptor Resources, Inc.

Lease: North Benson Queen Unit

Location: SW/4 of NE/4 of section 28 - T18S - R30E, Eddy County, NM

NMOCD Permit No: R4537

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

Signed Charles L. Martin
(This space for Federal or State office use)

Title Field Engineer

Approved by _____
Conditions of approval, if any:

Title _____

APPROVED
PETER W. CHESTER

JUL 14 2000

BUREAU OF LAND MANAGEMENT
ROSWELL, NM 88203
LAND RESOURCE AREA

Date 06/13/00

Date _____

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



Water Analysis

Date: 13-Jun-00

2708 West County Road, Hobbs NM 88240
Phone (505) 392-5556 Fax (505) 392-7307

Analyzed For

Company	Well Name	County	State
Mewbourne	Santo Nino 19-2	Lea	New Mexico

Sample Source Wellhead Sample # 1

Formation Depth

Specific Gravity	1.135	SG @ 60 °F	1.138
pH	6.65	Sulfides	Absent
Temperature (°F)	74	Reducing Agents	

Cations

Sodium (Calc)	in Mg/L	70,484	in PPM	61,947
Calcium	in Mg/L	8,800	in PPM	7,734
Magnesium	in Mg/L	4,320	in PPM	3,797
Soluble Iron (FE2)	in Mg/L	10.0	in PPM	9

Anions

Chlorides	in Mg/L	136,000	in PPM	119,529
Sulfates	in Mg/L	450	in PPM	396
Bicarbonates	in Mg/L	171	in PPM	150
Total Hardness (as CaCO3)	in Mg/L	40,000	in PPM	35,156
Total Dissolved Solids (Calc)	in Mg/L	220,234	in PPM	193,562
Equivalent NaCl Concentration	in Mg/L	196,656	in PPM	172,839

Scaling Tendencies

*Calcium Carbonate Index 1,503,040

Below 500,000 Remote / 500,000 - 1,000,000 Possible / Above 1,000,000 Probable

*Calcium Sulfate (Gyp) Index 3,960,000

Below 500,000 Remote / 500,000 - 10,000,000 Possible / Above 10,000,000 Probable

*This Calculation is only an approximation and is only valid before treatment of a well or several weeks after treatment.

Remarks $rw = .065$

Report # 489

RECEIVED
JUN 15 11:11
WATER RESOURCES AREA