

New Mexico Oil Conservation Division, District I
1625 N. French Drive
Hobbs, NM 88240

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

5. Lease Designation and Serial No.

NMNM96782

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Lynx Petroleum Consultants, Inc.

3. Address and Telephone No.

P.O. Box 1708, Hobbs, NM 88241 505-392-6950

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

1980' FSL & 990' FWL
Section 27, T-18S, R-33E

8. Well Name and No.

Federal M #1

9. API Well No.

30-025-21893

10. Field and Pool, or Exploratory Area

South Corbin Bone

11. County or Parish, State

Spring

Lea County, 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.)

REQUEST NTL-2B APPROVAL:

Formation: Bone Springs

Water Produced: 40 BWPD

Water Analysis: See Attached

Water Storage: 300 Bbl. Fiberglass Tank located U.L. "L",
Section 27, T-18S, R-33E, Lea County, New Mexico

Method of Movement: Truck (Primary Hauler - Key Services)

Disposal System: Primary - Key RA State (K-Sec. 31, T-18S, R-36E) Permit #188

Alternate - Basin Alliance State AJ
(G-Sec. 33, T-18S, R-36E) Permit #119

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

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

Signed

Marc Wilson

Title President

Date

8/11/99

(This space for Federal or State office use)

Approved by

(ORIG. SGD.) ALEXIS C. SMOBODA

Title

PETROLEUM ENGINEER

Date

AUG 12 1999

Conditions of approval, if any:

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



CAPITAN CHEMICAL WATER ANALYSIS REPORT

Company : LYNX PETROLEUM
Lease Name : FEDERAL "M"
Well Number : # 1
Location :

Date Sampled : 8/10/99
Capitan Rep. :
Company Rep. : WES

ANALYSIS

1. pH	5.25	
2. Specific Gravity @ 60/60 F.	1.181	
3. CaCO ₃ Saturation Index @ 80 F.	-0.732	
@ 140 F.	+0.418	'Calcium Carbonate Scale Possible'

Dissolved Gasses

4. Hydrogen Sulfide	0	PPM
5. Carbon Dioxide	400	PPM
6. Dissolved Oxygen	Not Determined	

Cations

	mg/L	/	Eq. Wt.	=	MEQ/L
7. Calcium (Ca++)	9,600	/	20.1	=	477.61
8. Magnesium (Mg++)	1,823	/	12.2	=	149.39
9. Sodium (Na+) Calculated	65,468	/	23.0	=	2,846.42
10. Barium (Ba++)	Not Determined	/	68.7	=	0.00

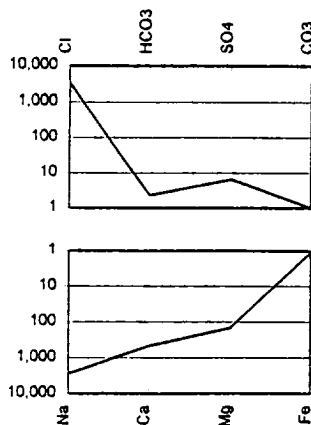
Anions

11. Hydroxyl (OH-)	0	/	17.0	=	0.00
12. Carbonate (CO ₃ =)	0	/	30.0	=	0.00
13. Bicarbonate (HCO ₃ -)	139	/	61.1	=	2.28
14. Sulfate (SO ₄ =)	310	/	48.8	=	6.35
15. Chloride (Cl-)	123,000	/	35.5	=	3,464.79

Other

16. Soluble Iron (Fe)	20	/	18.2	=	1.10
17. Total Dissolved Solids	200,339				
18. Total Hardness As CaCO ₃	31,500				
19. Calcium Sulfate Solubility @ 90 F.	1,624				
20. Resistivity (Measured)	0.060	Ohm/Meters	@ 88	Degrees (F)	

Logarithmic Water Pattern



PROBABLE MINERAL COMPOSITION

COMPOUND	Eq. Wt.	X	MEQ/L	=	mg/L
Ca(HCO ₃) ₂	81.04	X	2.28	=	184
CaSO ₄	68.07	X	6.35	=	432
CaCl ₂	55.50	X	468.98	=	26,029
Mg(HCO ₃) ₂	73.17	X	0.00	=	0
MgSO ₄	60.19	X	0.00	=	0
MgCl ₂	47.62	X	149.39	=	7,114
NaHCO ₃	84.00	X	0.00	=	0
NaSO ₄	71.03	X	0.00	=	0
NaCl	58.46	X	2,846.42	=	166,402