

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. OIL & GAS COMMISSION
P.O. BOX 1980
HOBBS, NEW MEXICO 88240

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

6-29-94

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

MARKS & GARNER PRODUCTION COMPANY

3. Address and Telephone No.

POB 70 LOVINGTON NM 88260 505 396 5326

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

NWNE SEC22-T24S-R32E NMPM

660' FNL & 1986' FEL

5. Lease Designation and Serial No.
NMLC062269A*MAK

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

U.S. SMELTING #1

9. API Well No.

3002508157

10. Field and Pool, or Exploratory Area

DOUBLE X DELEWARE

11. County or Parish, State

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

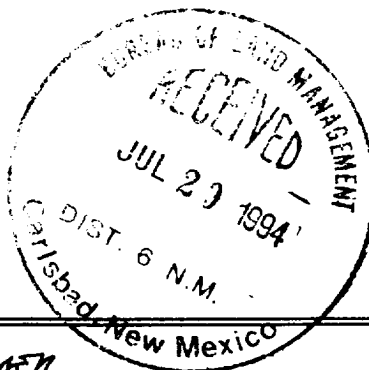
- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other _____
- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☒ Dispose Water

(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.)

DELAWARE
3 BPD WATER
WATER ANALYSIS ATTACHED
NONE STORED ON LEASE
WATER IS PUMPED DOWN PIPELINE
WATER IS DISPOSED OF IN MARKS & GARNER US SMELTING # 5
SEC22-T24S-R32E

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JUN 21 12 16 PM '94
BUREAU OF LAND MGMT.
HOBBS, NM.



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

Signed Joe G. Lara

Title PARTNER

Date 6-8-94

(This space for Federal or State office use)

Approved by (ORIG. SGD.) JOE G. LARA

Title PETROLEUM ENGINEER

Date 8/18/94

Conditions of approval, if any: See attached.

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

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OGM RESEARCH
OFFICE



Water Analysis Report

Analysis Number : 000002848

Company.....: Marks & Garner
Location.....:
Field.....:
Lease.....: Us Smelting
Sample Source....: Well Head

Date of Sampling.....: 06/08/94
Date of Analysis.....: 06/07/94
Baker Representative..: Don Blackstock
Well#.....:
Analysis by.....: Williams

DISSOLVED SOLIDS

CATIONS:

	mg/l	me/l
Ca++	32000.00	1600.00
Mg++	2440.00	200.00
Fe+++	5.00	0.27
Ba++	0.00	0.00
Na+	39784.02	1729.74
Mn++	0.00	0.00

ANIONS:

Cl-	125000.00	3521.13
SO4--	330.00	6.88
HCO3-	122.00	2.00
CO3--	0.00	0.00
OH-	0.00	0.00
S-	0.00	0.00

TOTAL HARDNESS.....: 1800.00
TOTAL SOLIDS (quantitative).....: 199681.00
RESIDUAL HYDROCARBONS(ppm).....: 0.00

Ø = not determined

DISSOLVED GASES

Hydrogen Sulfide, H2S.....:	0.0
Carbon Dioxide, CO2.....:	79.2
Oxygen, O2.....:	0.0

PHYSICAL PROPERTIES

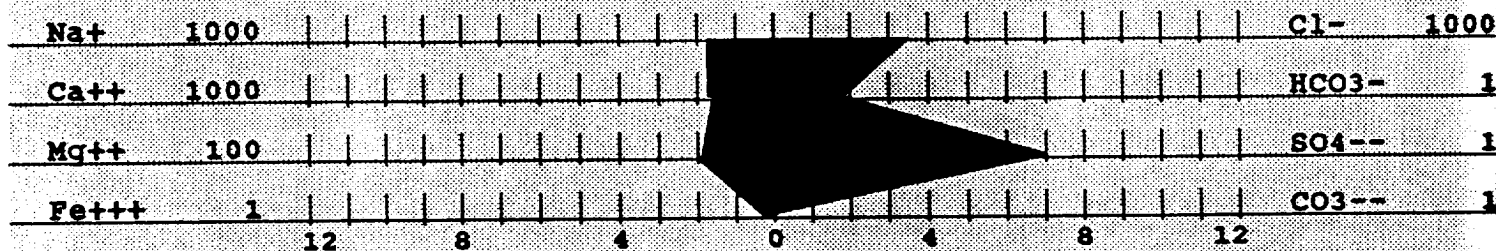
pH.....:	5.3
Specific Gravity.....:	1.140
TDS (calculated) ppm.....:	199681.0
TIS (calculated)	4.4

SCALE STABILITIES

Temp.	°C	°F	CaCO3	CaSO4	BaSO4
	20	68	-17.2	562	3
	30	86	-18.3	628	4
	40	104	-18.9	815	4
Max entity, (calculated):			498	0	

WATER ANALYSIS PATTERN

(number beside ion symbol indicates me/l scale unit)



NOTES:

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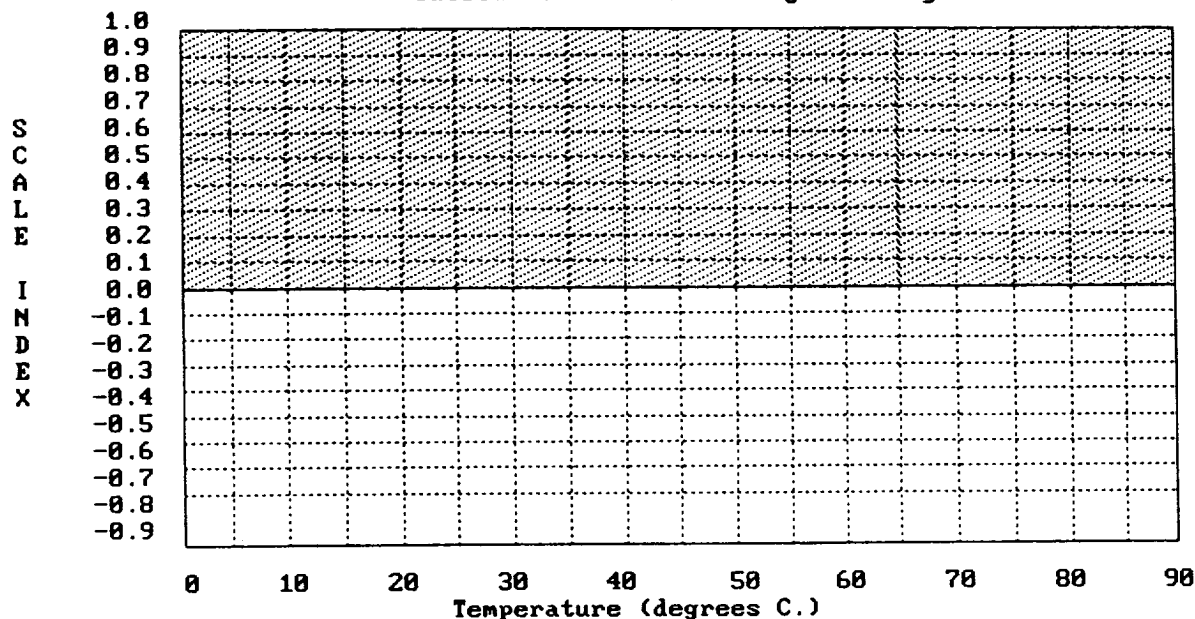
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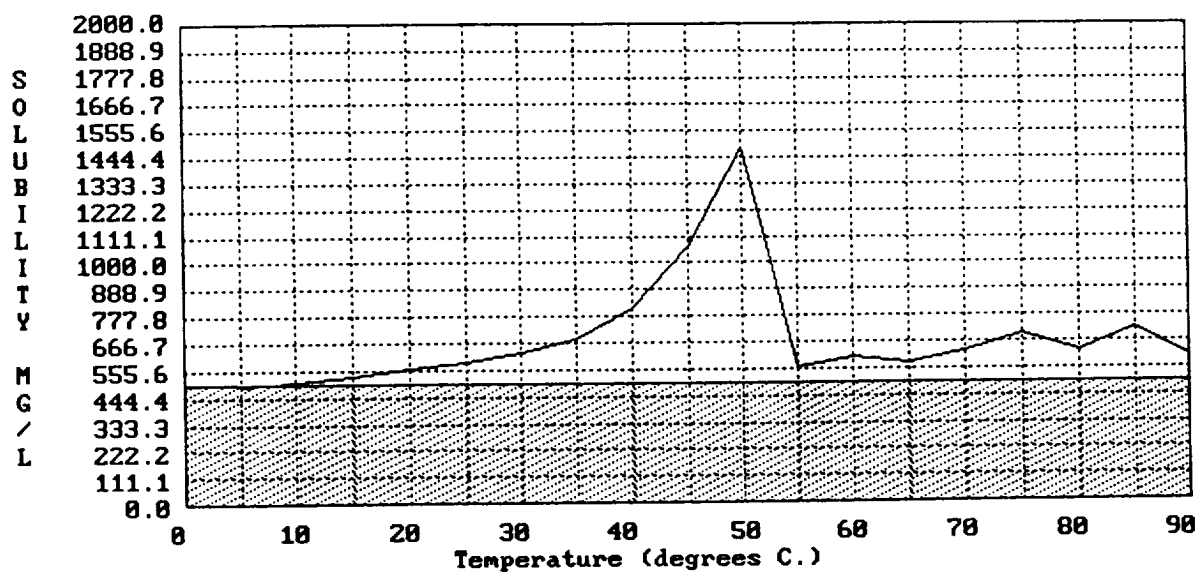
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Baker Representative.: Don Blackstock
Well#.....:
Analysis by.....: Williams

Calcium Carbonate Scaling Tendency



Calcium Sulfate Solubility



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Q&A OFFICE
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BUREAU OF LAND MANAGEMENT
CARLSBAD RESOURCE AREA

Disposal of Produced Water From Federal Wells

Conditions of Approval

Approval of the produced water disposal methodology is subject to the following conditions of approval:

1. This agency be notified of any change in your method or location of disposal.
2. Compliance with all provisions of Onshore Oil and Gas Order No. 7.
3. This agency shall be notified of any spill or discharge as required by NTL-3A.
4. This agency reserves the right to modify or rescind approval whenever it determines continued use of the approved method may adversely affect the surface or subsurface environments.
5. All aboveground structures on the lease shall be painted sandstone brown, Federal Std. 595-20318, or 30318, within 90 days if you have not already done so.
6. Any on lease open top storage tanks or pits shall be covered with a wire screen or plastic/nylon netting to prevent entry by birds and other wildlife.
7. This approval does not constitute right-of-way approval for any off lease activities. If water is transported via a pipeline that extends beyond the lease boundary, you need to submit within 30 days an application for right-of-way approval to the Realty Section in this office if you have not already done so.