

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135

N.M. Oil Cons. Division

Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

1625 N. French Dr.
Hobbs, NM 88240

Designation and Serial No.

LC032579E NM-90799

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

Gruy Petroleum Management Co.

3. Address and Telephone No.

P.O. Box 140907 Irving Texas 75014-0907

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

330' FNL & 2310' FWL
Sec. 26, T 25S, R 37E NE/NW

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Terra Carlson Federal #1

9. API Well No.

30025-26950

10. Field and Pool, or Exploratory Area

11. County or Parish, State

Lea County

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 wells directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

**See attachments.

RECEIVED
2000 JAN 20 P 3:21
BUREAU OF LAND MGMT.
HOBBS, NEW MEXICO

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

Signed Rogge Lester

Title District Superintendent

Date

(This space for Federal or State office use)

APPROVED FOR
(ORIG. SGD.) DAVID R. GLASS

PETROLEUM ENGINEER

Approved by
Conditions of approval, if any:

Title

Date

FEB 04 2000

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.

APPROVED FOR
OFFICE OF APPROVAL

Lease Name: Terra Carlson Federal #1 & B 1
LC032579E
SW/SE Sec. 26, T 25S, R 37E
Gruy Petroleum Management Co.

- 1.) Name(s) of formations(s) producing water on the lease.

7RV, Queen, Gray Burg.

- 2.) Amount of water produced from each formation in barrels per day.

- a.) Terra Carlson Federal B #1 - none
b.) Terra Carlson Federal #1 - 3 Bbls (7RV)

- 3.) A water analysis of produced water from each zone showing at least the total dissolved solids, pH, and the concentrations of chlorides and sulfates.

See Attached.

- 4.) How water is stored on the lease.

Water is trucked out by Chaparral Service Inc.

- 5.) How is water moved to dispose facility?

Answer same as answer no. 4.

- 6.) Operator's name

Lease name or well name and number

Location by 1/4 1/4 section, township, and range of the disposal system.

The appropriate NMOCD permit number.

Gruy Petroleum Management Co.

Terra Carlson Federal B #1 (SW/SE Sec. 26, T 25S, R 37E).

Terra Carlson Federal #1 (NE/NW Sec. 26, T 25S, R 37E).

CAPITAN CHEMICAL WATER ANALYSIS REPORT

Company : GRUY PETROLEUM MGMT.
Lease Name : TERRA CARSON FEDERAL
Well Number : # 1
Location :

Date Sampled : 1/12/00
Capitan Rep. : JOE HUGHES
Company Rep. :

ANALYSIS

1. pH	7.76	
2. Specific Gravity @ 60/60 F.	1.044	
3. CaCO ₃ Saturation Index @ 80 F.	+0.622	'Calcium Carbonate Scale Possible'
@ 140 F.	+1.562	'Calcium Carbonate Scale Possible'

Dissolved Gasses

4. Hydrogen Sulfide	200	PPM
5. Carbon Dioxide	50	PPM
6. Dissolved Oxygen	Not Determined	

Cations

	mg/L	/	Eq. Wt.	=	MEQ/L
7. Calcium (Ca++)	150	/	20.1	=	7.46
8. Magnesium (Mg++)	1,883	/	12.2	=	154.36
9. Sodium (Na+) Calculated	14,750	/	23.0	=	641.30
10. Barium (Ba++)	Not Determined	/	68.7	=	0.00

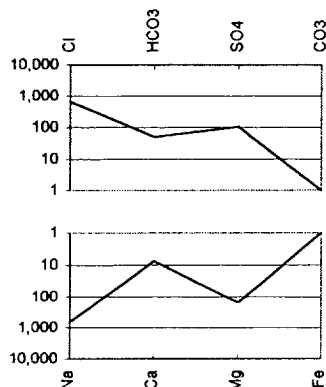
Anions

11. Hydroxyl (OH-)	0	/	17.0	=	0.00
12. Carbonate (CO ₃ =)	0	/	30.0	=	0.00
13. Bicarbonate (HCO ₃ -)	3,113	/	61.1	=	50.96
14. Sulfate (SO ₄ =)	5,089	/	48.8	=	104.28
15. Chloride (Cl-)	23,000	/	35.5	=	647.89

Other

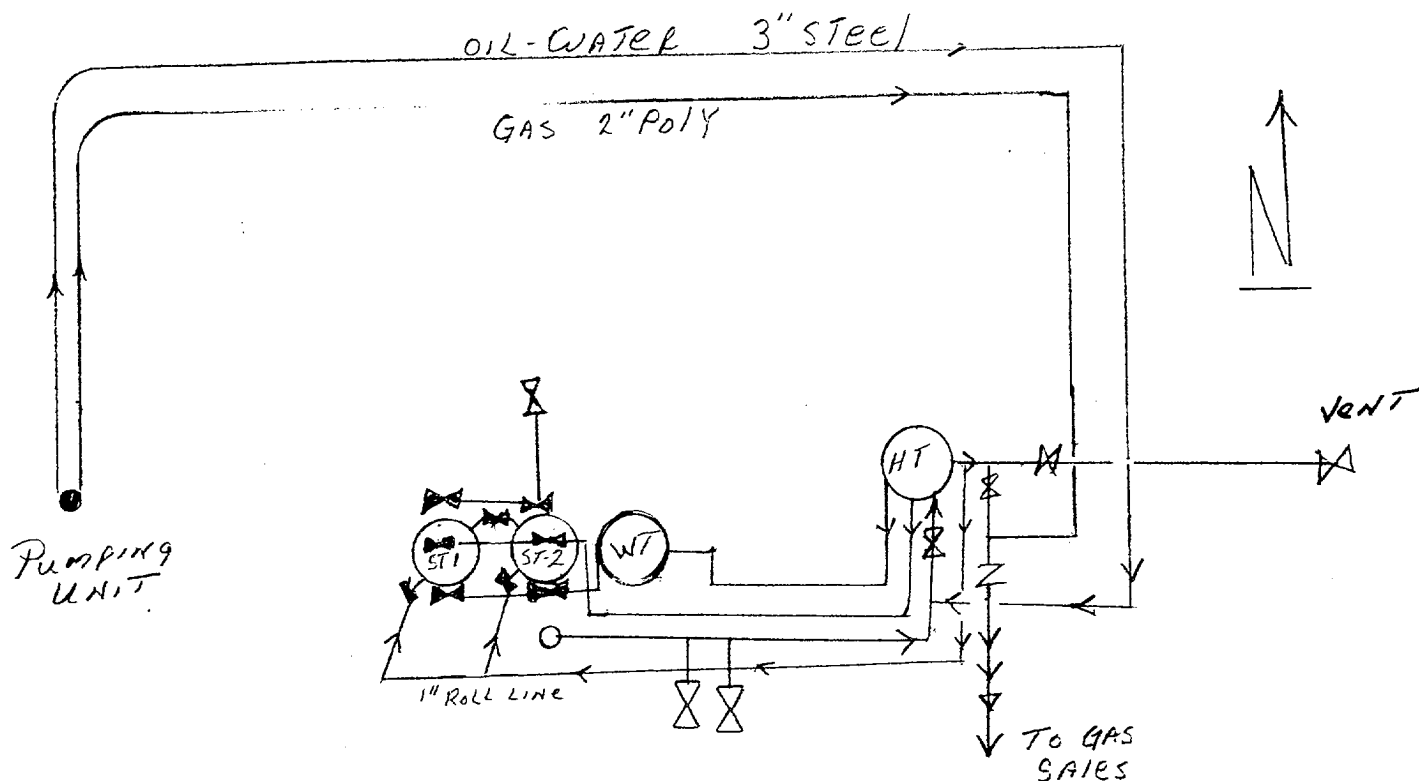
16. Soluble Iron (Fe)	3	/	18.2	=	0.16
17. Total Dissolved Solids	47,986				
18. Total Hardness As CaCO ₃	8,125				
19. Calcium Sulfate Solubility @ 90 F.	3,160				
20. Resistivity (Measured)	0.450	Ohm/Meters	@ 56	Degrees (F)	

Logarithmic Water Pattern



PROBABLE MINERAL COMPOSITION

COMPOUND	Eq. Wt.	X	MEQ/L	=	mg/L
Ca(HCO ₃) ₂	81.04	X	7.46	=	605
CaSO ₄	68.07	X	0.00	=	0
CaCl ₂	55.50	X	0.00	=	0
Mg(HCO ₃) ₂	73.17	X	43.49	=	3,182
MgSO ₄	60.19	X	60.79	=	3,659
MgCl ₂	47.62	X	50.08	=	2,385
NaHCO ₃	84.00	X	0.00	=	0
NaSO ₄	71.03	X	43.49	=	3,089
NaCl	58.46	X	597.81	=	34,948



PRODUCTION SYSTEM OPEN

1. Oil Sales by truck.
2. Seal Requirements.

















A. Production Phase:

- (1) All valves are sealed closed with the exception of fill and equalizer lines.

B. Sales Phase:

- (1) Fill line valve sealed on tank forsale.

Wells: Terra Carlson Federal #1

SYMBOLS			
	VALVE/PLUG OR GATE (TREADED)		UNION
	VALVE/WITH LOCKING DEVICE		UNION/SEALED
	VALVE/CHECK		BULL PLUG
	VALVE/FLANGED		BULL PLUG/SEALED
	FLANGE		SPECIAL REFERENCE
	FLANGE/SEALED		REDUCTION IN DISTANCE
	VICTAULIC		DIRECTION OF FLOW
	VICTAULIC/SEALED		THIEF HATCH