N.M. Oil [illegible]ion
P.O. Box [illegible]
Hobbs, NM 88241

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.
NM 13276

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE

7. If Unit or CA, Agreement Designation

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
WEST LYNCH FEDERAL #1

2. Name of Operator
GREGG FULFER FULFER OIL & CATTLE COMPANY, LLC

9. API Well No.
30-025-26625

3. Address and Telephone No.
PO BOX 578 JAL, NM 88252 505/395-2927

10. Field and Pool, or Exploratory Area
TEAS Y-SR

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
WEST LYNCH FEDERAL #1 UNIT O
330FSL & 1650FEL
SW SE SEC 19 T 20S R 34E

11. County or Parish, State
LEA

12. **CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION	
☐ Notice of Intent	☐ Abandonment	☐ Change of Plans
☒ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment Notice	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing	☐ Conversion to Injection
	☐ Other _____	☒ Dispose Water

(Note: Report results of multiple completions 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.)*

1) NAME OF FORMATION - TEAS Y-SR
2) WATER PRODUCTION DAILY - 1.4 BBLS
3) WATER ANALYSIS - SEE ATTACHED
4) WATER STORAGE - 250 BBL STEEL TANK
5) WATER REMOVAL - TRUCK
6) A) FACILITY OPERATORS NAME - CHAPARRAL SWD
   B) NAME OF WELL - LEA #1
   C) TYPE OF WELL - SWD
   D) LOCATION - NE 1/4 SEC 17 T 23S R 37E
7) COPY OF STATE ISSUED PERMIT - SEE ATTACHED #2

APPROVED
PETER W. CHESTER
JUL 22 1999
BUREAU OF LAND MANAGEMENT
ROSWELL RESOURCE AREA

RECEIVED
1999 JUL -2 A 11:
BUREAU OF LAND MANAGEMENT
ROSWELL, NEW MEXICO

14. I hereby certify that the foregoing is true and correct
Signed Gregg Fulfer Title REGISTERED AGENT Date 06/20/99

(This space for Federal or State office use)
Approved by ORIGINAL SIGNED BY CHRIS WILLIAMS DISTRICT I SUPERVISOR Title _____ Date OCT 15 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

Water Production & Disposal Information

In order to process your disposal request, the following information must be completed:

1. Name of formations producting water on the lease TEAS-Y-SEVEN RIVERS

2. Amount of water produced from all formations in barrels per day 1.4 BBLS

3. Attach a current water analysis of produced water from all zones showing at least the total dissolved solids, ph, and the concentrations of chlorides and sulfates.
(One sample will suffice if the water is commingled)

4. How water is stored on the lease 250 BBL STEEL TANK

5. How water is moved to the disposal facility TRUCK

6. Identify the Disposal Facility by:

   A. Facility operators name CHAPARRAL S.W.D.

   B. Name of facility or well name & number LEA #1

   C. Type of facility or well (WDW) (WIW) etc. SWD

   D. Location by 1/4 1/4 NE¼ Section 17 Township 23S

      Range 37E

7. Attach a copy of the State issued permit for the Disposal Facility

Submit to this office, **414 W. Taylor, Hobbs, NM 88240**, the above required information on a Sundry Notice, form 3160-5. Submit 1 original and 5 copies, within 20 days from receipt of notice. (This form may be used as an attachment to the Sundry Notice). Call at (505)393-3612 if you have any questions.

BAKER PETROLITE
A Baker Hughes company

Water Analysis Report by Baker Petrolite

FULFER OIL & CATTLE

WEST LYNCH FEDERAL
WELL # 1
WELLHEAD

Account Manager
RON MATTHEWS

Summary		Analysis of Sample 108156 @ 75°F					
		Anions	mg/l	meq/l	Cations	mg/l	meq/l
Sampling Date	6/18/99	**Chloride**	**14626**	**413**	**Sodium**	**8674**	**377**
Analysis Date	6/22/99	**Bicarbonate**	**448**	**7.34**	**Magnesium**	**279**	**23.0**
Analyst	JOANNA RAGAN	**Carbonate**	**0.00**	**0.00**	**Calcium**	**292**	**14.6**
		Sulfate	**167**	**3.48**	**Strontium**	**30.0**	**0.68**
TDS (mg/l or g/m³)	24816.5	Phosphate	N/A	N/A	**Barium**	**0.39**	**0.01**
Density (g/cm³ or tonne/m³)	1.020	Borate	N/A	N/A	**Iron**	**17.0**	**0.61**
Anion/Cation Ratio	1.00	Silicate	N/A	N/A	Potassium	283	7.24
					Aluminum	N/A	N/A
Carbon Dioxide				POSITIVE	Chromium	N/A	N/A
Oxygen					Copper	N/A	N/A
		pH at time of sampling		6.60	Lead	N/A	N/A
		pH at time of analysis			Manganese	N/A	N/A
		pH used in Calculations		**6.60**	Nickel	N/A	N/A

Conditions		Values Calculated at the Given Conditions - Amounts of Scale in lb/1000bbl						
Temp.	Gauge Press.	Calcite $CaCO_3$		Gypsum $CaSO_4 \cdot 2H_2O$		Anhydrite $CaSO_4$	Celestite $SrSO_4$	Barite $BaSO_4$		CO_2 Press.
°F	psi	Index	Amount	Index	Amount	Index Amount	Index Amount	Index	Amount	psi
80	0.	-0.41		-1.75		-1.81	-0.95	0.27	0.11	1.13
100	0.	-0.28		-1.78		-1.77	-0.94	0.11	0.05	1.47
120	0.	-0.15		-1.79		-1.70	-0.93	-0.03		1.83
140	0.	-0.01		-1.79		-1.62	-0.91	-0.14		2.21

Note 1: When assessing the severity of the scale problem, both the saturation index (SI) and amount of scale must be considered.

Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.

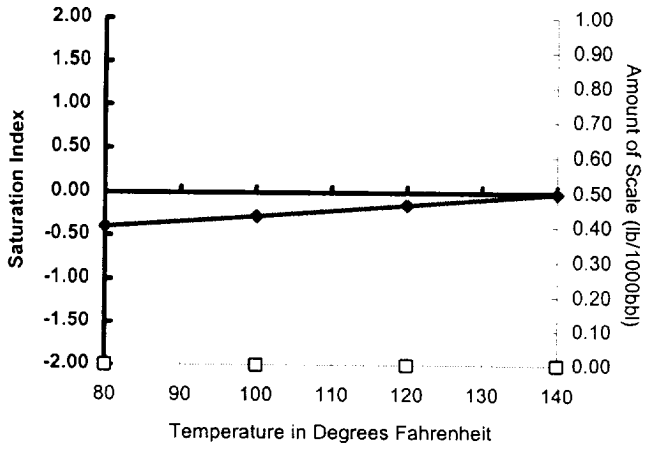
Note 3: The reported CO_2 pressure is actually the calculated CO_2 fugacity. It is usually nearly the same as the CO_2 partial pressure.

BAKER PETROLITE
A Baker Hughes company

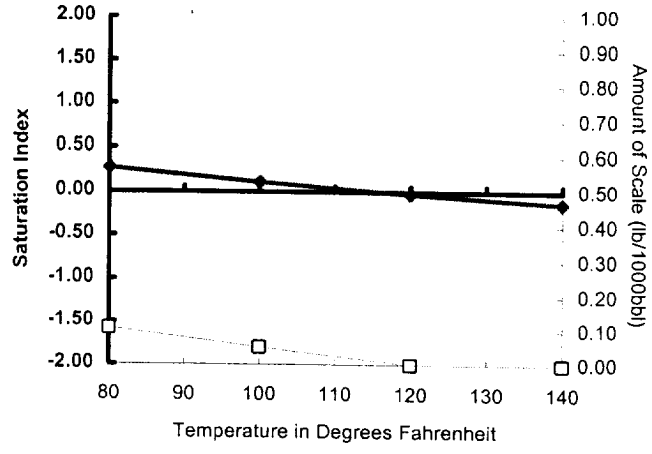
Scale Predictions from Baker Petrolite

Analysis of Sample 108156 @ 75°F for FULFER OIL & CATTLE , Jun/22/99

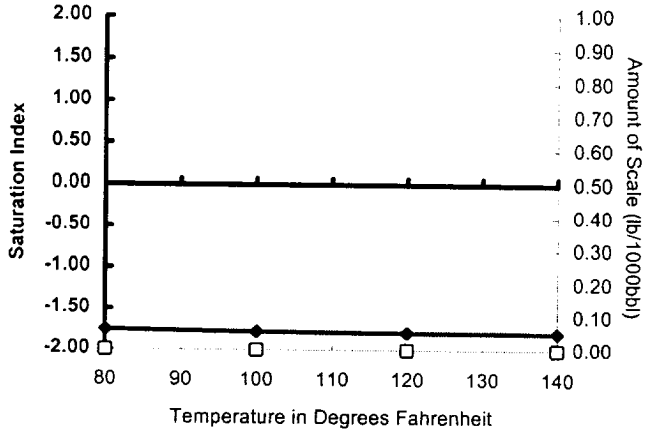
Calcite - $CaCO_3$



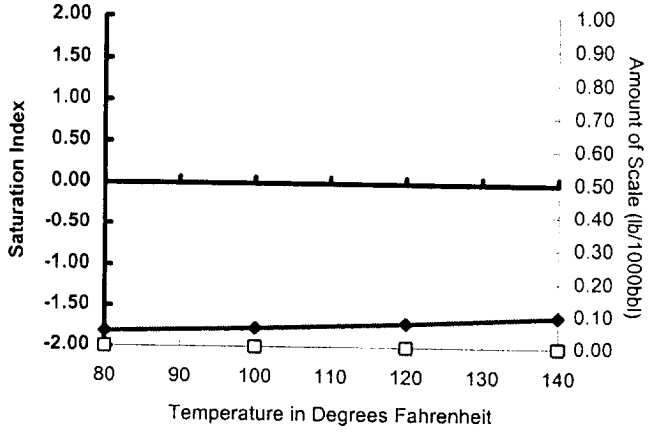
Barite - $BaSO_4$



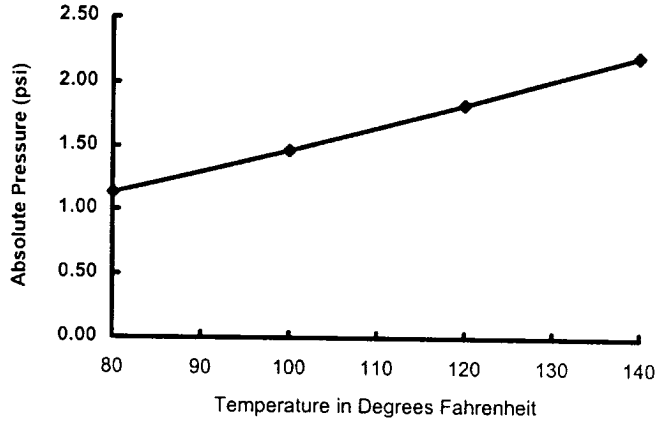
Gypsum - $CaSO_4 \cdot 2H_2O$



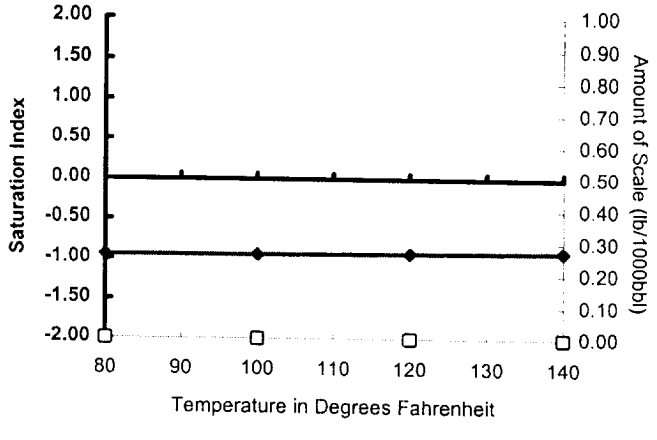
Anhydrite - $CaSO_4$



Carbon Dioxide Partial Pressure



Celestite - $SrSO_4$



50 YEARS

1935 - 1985

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

TONEY ANAYA
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BLDG.
SANTA FE, NEW MEXICO
(505) 827-5800

ORDER SWD-292

THE APPLICATION OF CHAPARRAL SERVICE, INC.

ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION DIVISION

Under the provisions of Rule 701(B), Chaparral Service, Inc. made application to the New Mexico Oil Conservation Division on October 22, 1985, for permission to complete for salt water disposal its Lea No. 1 well located in Unit B of Section 17, Township 23 South, Range 37 East, NMPM, Lea County, New Mexico.

The Division Director finds:

(1) That application has been duly filed under the provisions of Rule 701(B) of the Division Rules and Regulations;

(2) That satisfactory information has been provided that all offset operators and surface owners have been duly notified; and

(3) That the applicant has presented satisfactory evidence that all requirements prescribed in Rule 701 will be met.

(4) That no objections have been received within the waiting period prescribed by said rule.

IT IS THEREFORE ORDERED:

That the applicant herein, Chaparral Service, Inc. is hereby authorized to complete its Lea No. 1 well, located in Unit B of Section 17, Township 23 South, Range 37 East, NMPM, Lea County, New Mexico, in such a manner as to permit the injection of salt water for disposal purposes into the San Andres formation at approximately 4,000 feet to approximately 5,000 feet through 2 7/8 inch plastic lined tubing set in a packer located at approximately 4025 feet.

IT IS FURTHER ORDERED:

That the operator shall take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface.

That the casing-tubing annulus shall be loaded with an inert fluid and equipped with a pressure gauge at the surface or left open to the atmosphere to facilitate detection of leakage in the casing, tubing, or packer.

That the injection well or system shall be equipped with a pressure limiting device which will limit the wellhead pressure on the injection well to no more than 800 psi.

That the Director of the Division may authorize an increase in injection pressure upon a proper showing by the operator of said well that such higher pressure will not result in migration of the injected fluid from the San Andres formation. That such proper showing shall consist of a valid step-rate test run in accordance with and acceptable to this office.

That the operator shall notify the supervisor of the Hobbs district office of the Division of the date and time of the installation of disposal equipment so that the same may be inspected.

That the operator shall immediately notify the supervisor of the Division's Hobbs district office of the failure of the tubing, casing, or packer, in said well or the leakage of water from or around said well and shall take such steps as may be timely and necessary to correct such failure or leakage.

PROVIDED FURTHER, That jurisdiction of this cause is hereby retained by the Division for such further order or orders as may seem necessary or convenient for the prevention of waste and/or protection of correlative rights; upon failure of applicant to comply with any requirement of this order after notice and hearing, the Division may terminate the authority hereby granted in the interest of conservation. That applicant shall submit monthly reports of the disposal operations in accordance with Rule 706 and 1120 of the Division Rules and Regulations.

Approved at Santa Fe, New Mexico, on this 13th day of November, 1985.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

R. L. STAMETS,
Director

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