

N. M. Oil Cons. Div.  
811 S. 1ST ST.  
ARTESIA, NM 80410-2834

CIS F

Form 3160-5  
(JUNE 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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.

FORM APPROVED

Budget Bureau No. 1004-0135

Expires March 31, 1993

5. Lease Designation and Serial No.  
LC - 065421

6. If Indian, Allottee or Tribe Name  
N/A

7. If Unit or CA, Agreement Designation  
N/A

8. Well Name and No.  
O'Neill Federal No. 1

9. Well API No.  
30-015-20301

10. Field and Pool or Exploratory Area  
White City, Morrow

11. County or Parish, State  
Eddy County, NM

SUBMIT IN TRIPLICATE

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

2. Name of Operator  
Mallon Oil Company

3. Address and Telephone No.  
P.O. Box 3256, Carlsbad, NM 88220 (505) 885-4596

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1980' FSL and 660' FWL (NW<SW) Unit L  
Sec. 11, T24S, R26E

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

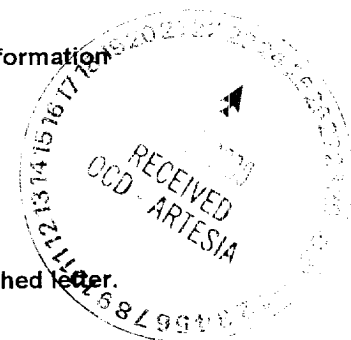
- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other:  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☒ Dispose Water

(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 zone.)\*

Mallon Oil Company request approval of water disposal method. The required information is listed below.

1. The producing formation is the Morrow.
2. The well produces 3 bbls of water per day.
3. A copy of water analysis is attached.
4. The water is stored on lease in a 250 bbl fiberglass water tank.
5. The water is trucked to an approved disposal facility.
6. The disposal facilities that the water could be trucked are shown on the attached letter.



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

Signed

*Mike Braswell*  
Mike Braswell

Title Production Superintendent

Date 9/17/99

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)

APPROVED BY (ORIG. SGD.) GARY GOURLEY

Title

PETROLEUM ENGINEER

Date

SEP 22 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 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 Report by Baker Petrolite

### MALLON OIL COMPANY

O'NEIL FEDERAL

WELL #1

WELLHEAD

Account Manager

CURRY FRUIT

Summary		Analysis of Sample 23921 @ 75°F					
Sampling Date	8/27/99	<b>Anions</b>	<b>mg/l</b>	<b>meq/l</b>	<b>Cations</b>	<b>mg/l</b>	<b>meq/l</b>
Analysis Date	8/31/99	Chloride	75000	2115	Sodium	45546	1981
Analyst	SHAWNA MATTHEWS	Bicarbonate	341	5.59	Magnesium	N/A	N/A
		Carbonate	N/A	N/A	Calcium	2600	130
TDS (mg/l or g/m <sup>3</sup> )	123887	Sulfate	75.0	1.56	Strontium	N/A	N/A
Density (g/cm <sup>3</sup> or tonne/m <sup>3</sup> )	1.080	Phosphate	N/A	N/A	Barium	N/A	N/A
Anion/Cation Ratio	1.00	Borate	N/A	N/A	Iron	325	11.6
		Silicate	N/A	N/A	Potassium	N/A	N/A
Carbon Dioxide	240 PPM	Hydrogen Sulfide		0 PPM	Aluminum	N/A	N/A
Oxygen					Chromium	N/A	N/A
		pH at time of sampling		5.70	Copper	N/A	N/A
		pH at time of analysis			Lead	N/A	N/A
		pH used in Calculations		5.70	Manganese	N/A	N/A
					Nickel	N/A	N/A

Conditions		Values Calculated at the Given Conditions - Amounts of Scale in lb/1000bbt										
Temp.	Gauge Press.	Calcite CaCO <sub>3</sub>		Gypsum CaSO <sub>4</sub> · 2H <sub>2</sub> O		Anhydrite CaSO <sub>4</sub>		Celestite SrSO <sub>4</sub>		Barite BaSO <sub>4</sub>		CO <sub>2</sub> Press.
°F	psi	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	psi
80	0.	-0.63		-1.67		-1.68		N/A		N/A		5.28
100	0.	-0.53		-1.74		-1.68		N/A		N/A		6.58
120	0.	-0.42		-1.79		-1.65		N/A		N/A		7.89
140	0.	-0.31		-1.83		-1.60		N/A		N/A		9.16

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

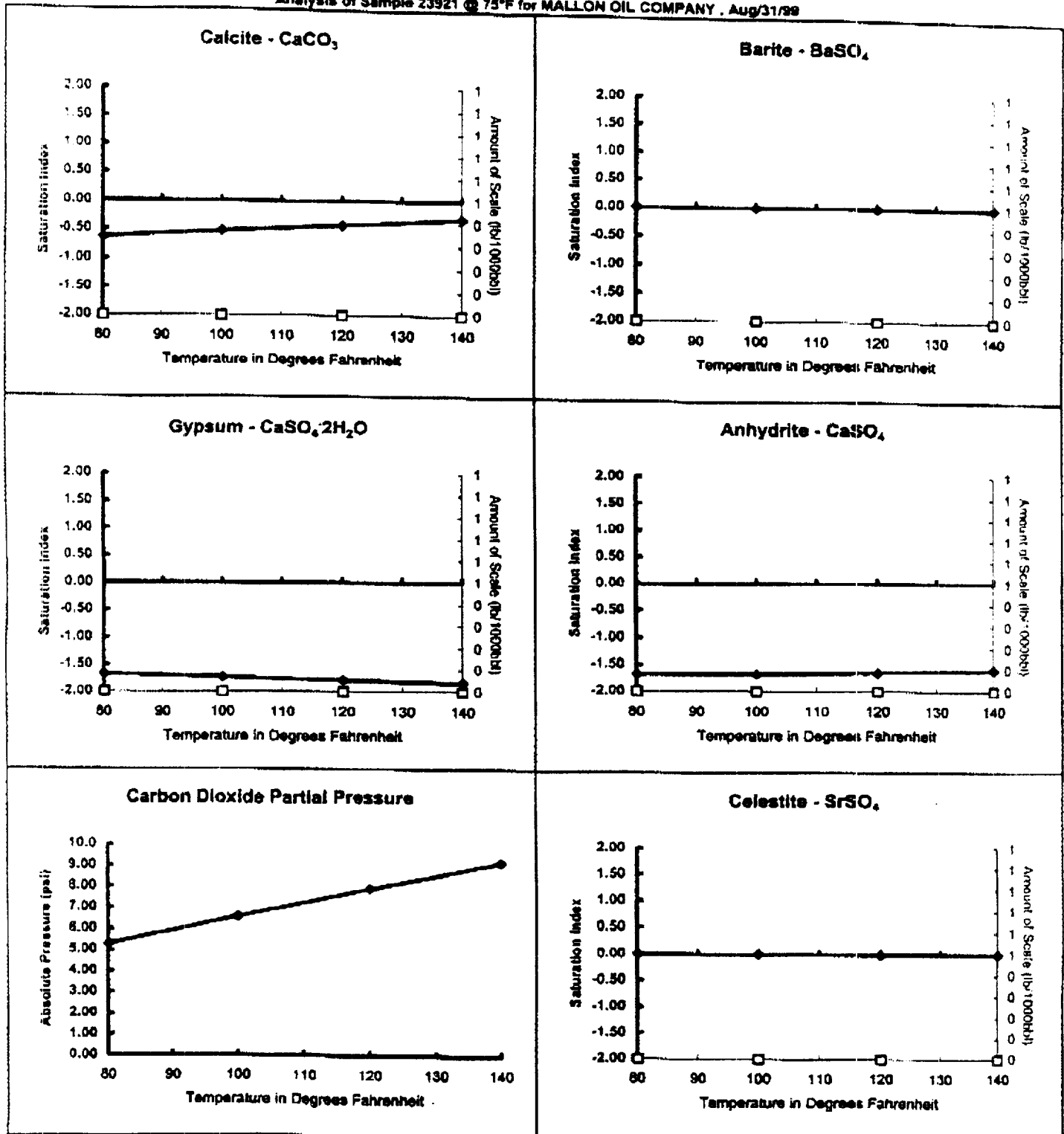
Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.

Note 3: The reported CO<sub>2</sub> pressure is actually the calculated CO<sub>2</sub> fugacity. It is usually nearly the same as the CO<sub>2</sub> partial pressure.



## Scale Predictions from Baker Petrolite

Analysis of Sample 23921 @ 75°F for MALLON OIL COMPANY, Aug/31/99



Scurlock Permian C  
Hobbs Marketing  
3514 Lovington Hwy  
Hobbs, NM 88240

505/392-6559  
FAX 505/392-6988

*P.E. O'Neill Federal #1*

ATTN: *MIKE BRASSWELL*

this is a list of Salt Water Disposal wells that your water will go into.  
This information contains the operator, the lease name, the section, the township and the range. It will also contain the SWD number issued by the State Oil and Gas Commission.

Operator	Lease Name	Sec.	Town.	Range	SWD#
X Controlled Recovery	Halfway SWD	27-	20-	-32	R-9166
X Marathon Subsurface	Govt. E SWD	25-	19-	-34	SWD-559
X Scurlock Permian	Rohmer SWD	23-	22-	-27	SWD-505
H&M INC.	Mayme Graham	9-	15-	-36	R-7960
Corine Grace	Salty Bill	36-	22-	-26	SWD-118
Harvard Petroleum	James #1	19-	23-	-32	SWD-486
Rapid Transportation	Rapid SWD	10-	25-	-36	R-7935
MESQUITE INC.	Dorstate #1	27-	255-	-26	SWD-247
Dakota Resources	Whistle Stop	8-	215-	-28	SWD-461
	D.U. Otis	36-	225-	-27	SWD-539

I hope this will meet with your approval, if I can be of more assistance don't hesitate to call.

Sincerely Yours



Steve Lane