

Form 3160-5  
(June 1990)

RECEIVED  
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
APR 30 10 30 AM '93

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to tribes to reopen 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 FLOWING OIL WELL

2. Name of Operator

CHEVRON USA INC

3. Address and Telephone No.

P. O. BOX 670 HOBBS, NM 88240 (505) 393-4121

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

UNIT LETTER E : 2310'FNL, 330'FWL  
SECTION 01, T. 18S, R.32E

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

5. Lease Designation and Serial No.

NM40456

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Sprinkle B Fed #2

9. API Well No.

30-025-31010

10. Field and Pool, or Exploratory Area

YOUNG;BONE SPRING,NORTH

11. County or Parish, State

LEA, 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

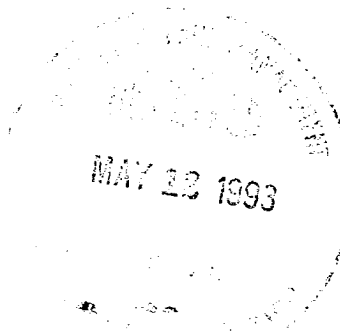
☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other NTL-2B APPROVAL REVIEW

☐ 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.)\*

A: YOUNG;BONE SPRING, NORTH  
B: 1 BWP  
C: SEE ATTACHMENT  
D: ONE 500 BBL FIBERGLASS TANK  
E: TRUCKING  
F: SEE ATTACHMENTS  
G: N/A



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

Signed Joe G. Lara

Title PRODUCTION SPECIALIST

Date 04/29/93

(This space for Federal or State office use)  
(ORIG. SGD.) JOE G. LARA

PETROLEUM ENGINEER

Approved by  
Conditions of approval, if any:

Title

Date JUN 11 1993

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

# ROWLAND TRUCKING COMPANY

PHONE  
[505] 397-4994

418 SOUTH GRIMES  
HOBBS, NEW MEXICO 88240

PHONE  
[505] 393-9023

October 29, 1992

Mr. Nathan Mouser  
Chevron USA Inc.  
PO Box 670  
Hobbs, NM 88241

Dear Mr. Mouser:

Please find below the listing of possible disposal wells that could be used by Rowland Trucking Company when hauling produced water away from the LW White A Com.

<u>Disposal Well</u>	<u>ID#</u>	<u>Owner</u>	<u>Legal</u>
RA State SWD	SWD 188	Rowland Trucking	31-18-36
Coopers SWD		Jimmy Cooper	08-20-37
Parabo SWD	R5516	Unichem Int.	29-21-38

If we can be of further assistance, please give us a call.

Very truly yours,

ROWLAND TRUCKING COMPANY

  
Bruce Baird  
Sales Representative

BB:dm

THE APPLICATION OF A. A. OILFIELD SERVICE,  
INC. FOR A SALT WATER DISPOSAL WELL

ADMINISTRATIVE ORDER  
OF THE OIL CONSERVATION DIVISION

Under the provisions of Rule 701 (C), A. A. Oilfield Service, Inc. made application to the New Mexico Oil Conservation Division on April 18, 1980, for permission to complete for salt water disposal its Southland Royalty State "AB" Well No. 1 located in Unit C of Section 3, Township 19 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 (C) of the Division Rules and Regulations;
- (2) That satisfactory information has been provided that all offset operators of surface owners have been duly notified;
- (3) That the applicant has presented satisfactory evidence that all requirements prescribed in Rule 701 (C) 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, A. A. Oilfield Service, Inc., is hereby authorized to complete its Southland Royalty State "AB" Well No. 1 located in Unit C of Section 3, Township 19 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 4897 feet to approximately 4919 feet through 2 3/8 inch plastic lined tubing set in a packer located at approximately 4900 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 injection pressure shall not exceed 980 pounds per square inch as measured at the surface:

That the operator shall notify the supervisor of the Division's Hobbs District Office before injection is commenced through said well;

That the operator shall immediately notify the Supervisor of the Division 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 or

## TRETOLITE DIVISION

(915) 682-4301  
Fax (915) 684-7873

Reply to:  
P.O. Box 60180  
Midland, TX 79711-0180

## WATER ANALYSIS REPORT

Company : CHEVRON USA INC. Date : 4-27-93  
Address : HOBBS, NEW MEXICO Date Sampled : 4-22-93  
Lease : SPRINKLE "B" FEDERAL Analysis No. : 1178  
Well : #2  
Sample Pt. :

ANALYSIS		mg/L	* meq/L
-----		----	-----
1. pH	5.6		
2. H <sub>2</sub> S	50 PPM		
3. Specific Gravity	1.050		
4. Total Dissolved Solids		88055.3	
5. Suspended Solids			
6. Dissolved Oxygen			
7. Dissolved CO <sub>2</sub>			
8. Oil In Water		450 PPM	
9. Phenolphthalein Alkalinity (CaCO <sub>3</sub> )			
10. Methyl Orange Alkalinity (CaCO <sub>3</sub> )		120.0	
11. Bicarbonate	HCO <sub>3</sub>	146.4	HCO <sub>3</sub> 2.4
12. Chloride	Cl	54446.6	Cl 1535.9
13. Sulfate	SO <sub>4</sub>	1330.0	SO <sub>4</sub> 27.7
14. Calcium	Ca	5963.9	Ca 297.6
15. Magnesium	Mg	3388.8	Mg 278.8
16. Sodium (calculated)	Na	22750.1	Na 989.6
17. Iron	Fe	29.5	
18. Barium	Ba	0.0	
19. Strontium	Sr	0.0	
20. Total Hardness (CaCO <sub>3</sub> )		28845.9	

## PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter			Compound	Equiv wt X meq/L	= mg/L
-----	-----	-----	-----	-----	-----
298	*Ca <----- *HCO <sub>3</sub>	2	Ca(HCO <sub>3</sub> ) <sub>2</sub>	81.0	2.4 194
	/----->		CaSO <sub>4</sub>	68.1	27.7 1885
279	*Mg -----> *SO <sub>4</sub>	28	CaCl <sub>2</sub>	55.5	267.5 14844
	<-----/		Mg(HCO <sub>3</sub> ) <sub>2</sub>	73.2	
990	*Na -----> *Cl	1536	MgSO <sub>4</sub>	60.2	
	-----		MgCl <sub>2</sub>	47.6	278.8 13272
Saturation Values Dist. Water 20 C			NaHCO <sub>3</sub>	84.0	
CaCO <sub>3</sub>	13 mg/L		Na <sub>2</sub> SO <sub>4</sub>	71.0	
CaSO <sub>4</sub> * 2H <sub>2</sub> O	2090 mg/L		NaCl	58.4	989.6 57830
BaSO <sub>4</sub>	2.4 mg/L				

REMARKS: SWEATT - BENNETT - FILE

PETROLITE

Petrolite Corporation  
200 North Loraine, Suite 1100  
Midland, TX 79701-4738

## TRETOLITE DIVISION

(915) 682-4301  
Fax (915) 684-7873

Reply to:  
P.O. Box 60180  
Midland, TX 79711-0180

### SCALE TENDENCY REPORT

Company	: CHEVRON USA INC.	Date	: 4-27-93
Address	: HOBBS, NEW MEXICO	Date Sampled	: 4-22-93
Lease	: SPRINKLE "B" FEDERAL	Analysis No.	: 1178
Well	: #2	Analyst	: SUE CRISS
Sample Pt.	:		

#### STABILITY INDEX CALCULATIONS (Stiff-Davis Method) CaCO<sub>3</sub> Scaling Tendency

S.I. = -0.8 at 80 deg. F or 27 deg. C  
S.I. = -0.6 at 120 deg. F or 49 deg. C

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#### CALCIUM SULFATE SCALING TENDENCY CALCULATIONS (Skillman-McDonald-Stiff Method) Calcium Sulfate

S = 2440 at 80 deg. F or 27 deg C  
S = 2641 at 120 deg. F or 49 deg C

Petrolite Oilfield Chemicals Group

Respectfully submitted,  
SUE CRISS

10 21 01 1993

CEA/GOV

MIN 14 1993

CCD HOBBS OFFICE

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 NTL-2B.
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, then 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.