

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Corp
P 1980
Hobbs NM 88241

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

5. Lease Designation and Serial No.

LC 031621A(b)

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Britt a 18, Well #6

9. API Well No.

30-025-32554

10. Field and Pool, or Exploratory Area

Eumont Yates 7 Rvrs Qn

11. County or Parish, State

Lea, NM

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

CONOCO INC.

3. Address and Telephone No.

10 DESTA DR. STE. 100W, MIDLAND, TX. 79705-4500 (915) 686-5424

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

1830' FNL & 710' FWL, Sec. 18, T 20S, R 37E, Unit Ltr 'E'

1a. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Repon
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☒ Altering Casing
☐ Other OO & GO #7 IIIA

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracrunn
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Repon result of multiple completion 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.)*

Water Producing Formation: Eumont Queen Gas
Amount of Water Produced: 1/4 bpd
Current Water Analysis Attached: Yes
How is Water Stored on Lease: 150 bbl Tank (above ground)
How is Water Moved: By Transport Truck
Disposal Facility Operator Name: AA Oilfield Service
Disposal Facility Well Name / No.: State AB SWD Well #1, Unit C, Sec. 3, T 19S, R 37E

NMOCD SWD Permit #: SWD - 223

Your approval of this method of disposal is respectfully requested.

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

Signed

Title

Bill R. Keathly
Sr. Regulatory Specialist

Date

8-12-97

(This space for Federal or State office use)

Approved by

Title

REGULATORY ENGINEER

Date

AUG 20 1997

Conditions of approval if any:

BLM(6), BRK, PONCA, DJS, FILE ROOM

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

SUBJECT: SALT WATER DISPOSAL WELL

ORDER NO. SWD-223

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

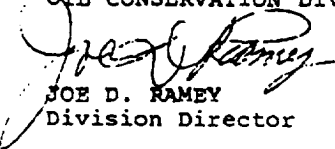
Post-it* Fax Note	7671	Date	8-5	# of pages	2
To	Vernon Maskey	From	Donna		
Co./Dept.	Conoco	Co.	A.A. Oilfield Service		
Phone #		Phone #	312-2577		
Fax #	393-1554	Fax #	292-2570		

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 704 and 1120 of the Division Rules and Regulations.

APPROVED at Santa Fe, New Mexico, on this 5th day of May, 1980.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


JOE D. RAMEY
Division Director

S E A L



A Baker Hughes company

Baker Petrolite
422 West Main Street
Artesia, NM 88210-2041 USA
Phone: (505) 746-3588
Fax: (505) 746-3580
Web site: www.bakerhughes.com/bpci

Reply to:
P.O. Box 1140
Artesia, NM 88211-1140 USA

WATER ANALYSIS REPORT

Company : Conoco Inc.
Address : Hobbs, New Mexico
Lease : Britt A-18
Well : #6
Sample Pt. : Gas Separator

Date : 6 Aug 97
Date Sampled : 6 Aug 97
Analysis No. :

ANALYSIS		mg/L		* meq/L
-----		----		-----
1. pH	5.5			
2. H2S	2.1			
3. Specific Gravity	1.250			
4. Total Dissolved Solids		302382.7		
5. Suspended Solids		N/R		
6. Dissolved Oxygen		N/R		
7. Dissolved CO2		178		
8. Oil In Water		N/R		
9. Phenolphthalein Alkalinity (CaCO3)				
10. Methyl Orange Alkalinity (CaCO3)				
11. Bicarbonate	HCO3	231.8	HCO3	3.8
12. Chloride	Cl	194682.0	Cl	5491.7
13. Sulfate	SO4	1050.0	SO4	21.9
14. Calcium	Ca	9600.0	Ca	479.0
15. Magnesium	Mg	21331.4	Mg	1754.9
16. Sodium (calculated)	Na	75485.6	Na	3283.4
17. Iron	Fe	1.9		
18. Barium	Ba	N/R		
19. Strontium	Sr	N/R		
20. Total Hardness (CaCO3)		111800.0		

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter		Compound	Equiv wt	X meq/L	= mg/L
-----	-----	-----	-----	-----	-----
479 *Ca <----- *HCO3	4	Ca (HCO3) 2	81.0	3.8	308
----- /----->	-----	CaSO4	68.1	21.9	1488
1755 *Mg -----> *SO4	22	CaCl2	55.5	453.4	25158
----- <-----/	-----	Mg (HCO3) 2	73.2		
3283 *Na -----> *Cl	5492	MgSO4	60.2		
-----	-----	MgCl2	47.6	1754.9	83544
Saturation Values Dist. Water 20 C		NaHCO3	84.0		
CaCO3 13 mg/L		Na2SO4	71.0		
CaSO4 * 2H2O 2090 mg/L		NaCl	58.4	3283.4	191883
BaSO4 2.4 mg/L					

REMARKS: Small amount of water from 2" valve on
----- bottom of the gas separator.

Baker Petrolite

Respectfully submitted,
W.C. Peterson

SCALE TENDENCY REPORT

Company	: Conoco Inc.	Date	: 6 Aug 97
Address	: Hobbs, New Mexico	Date Sampled	: 6 Aug 97
Lease	: Britt A-18	Analysis No.	:
Well	: #6	Analyst	: W.C. Peterson
Sample Pt.	: Gas Separator		

STABILITY INDEX CALCULATIONS
(Stiff-Davis Method)
CaCO₃ Scaling Tendency

S.I. =	-0.0	at	60 deg. F	or	16 deg. C
S.I. =	-0.0	at	70 deg. F	or	21 deg. C
S.I. =	-0.1	at	80 deg. F	or	27 deg. C
S.I. =	-0.1	at	90 deg. F	or	32 deg. C
S.I. =	-0.1	at	100 deg. F	or	38 deg. C

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

S =	1057	at	60 deg. F	or	16 deg C
S =	1125	at	70 deg. F	or	21 deg C
S =	1172	at	80 deg. F	or	27 deg C
S =	1206	at	90 deg. F	or	32 deg C
S =	1241	at	100 deg. F	or	38 deg C

Baker Petrolite

Respectfully submitted,
W.C. Peterson