Form 3160-5 (August 1999)

TED STATES New Mexico Oil Conservation Division, District I FORM APPROVED

DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT 1625 N. Fr ab Drive Hobbs, NM 88240

OME	NO.	1004	-013	35
Expires:	Nove	mber	30,	2000

5. Lease Serial No.

	SUNDRY	NOTICES	AND	REPORTS	ON	WELLS
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Do not use this form for abandoned well. Use For				6. If Indian, 2	Allottee or Tribe Name
SUBMIT IN TRIPLICATE -	Other instruction	s on reverse side		7. If Unit or 0	CA/Agreement, Name and/or 1 5C499
1. Type of Well X Oil Well Gas Well Other	,			8. Well Name Diamond 3:	
2. Name of Operator					Federal.
EOG Resources Inc. 3a. Address		3b. Phone No. (include ar	rea code)	9. API Well 1 30-025-29	
P.O. Box 2267 Midland, Texas 7970)2	915 686 3689			Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey	Description)			Pitchfork	Ranch Morrow
Sec 31, T-24-S, R-34-E	Part Comment			11. County or	r Parish, State
	/			Lea	NM
12. CHECK APPROPRIATE	BOX(ES) TO IN	DICATE NATURE OF I	NOTICE, REP	ORT, OR OT	HER DATA
TYPE OF SUBMISSION		TYI	PE OF ACTION		
Notice of Intent	Acidize	Deepen	Production	ı (Start-Resume)	Water Shut-Off
	Alter Casing	Fracture Treat	Reclamatio	n	Well Integrity
X Subsequent Report	Casing Repair	New Construction	Recomplet	ie.	Other

Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

Plug and Abanden

Plug Back

Temporarily Abandon

Water Disposal

Change Plans

Convert to Injection

- Water is produced from the Morrow formation.
- The well makes approximately 1 BWPD.
- Water analysis is attached.

Final Abandonment Notice

- Water is stored in a 210 bbl fiberglass tank.
- Water is trucked to the disposal facility.
- 6. Water is disposed of at the Vaca Ridge 30-1 well located 1980' FWL & 1980' FSL, Unit K, Sec 30, T-24-S, R-34-E, Lea County. Permit Number SWD-549.

14. I hereby certify that the foregoing is true and correct Name (Printed Typed)	Title	
Stan Wagner	Reg Analyst	
Stan Wagner	Date 6/20/02	
THIS SPACE FO	OR FEDERAL OR STATE OFFICE USE	<u> </u>
Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice do certify that the applicant holds legal or equitable title to those rights in which would entitle the applicant to conduct operations thereon.	es not warrant or the subject lease	

Water Production & Disposal Information

In order to process your disposal request, the following information must be Completed: Diamond 31 - 1
1. Name of formations producing water on the lease. Morrow
Amount of water produced from all formations in barrels per day.
3. Attached 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. 210 BBL Fiberglass Tank
5. How water is moved is moved to the disposal facility. Trucked
6. Identify the Disposal Facility by:
A. Facility operators name <u>EOG Resources, Inc.</u>
B. Name of facility or well name & number. Vaca Ridge 30 SWD
C. Type of facility or well (WDW) (WIW) etc. WDW
D. Location by 1 ½ 1 ½ Section 30 Township 24S Range 34E 1980' FSL & 1980' FWL in Unit K 7. Attach a copy of the State issued permit for the Disposal Facility.
7. Product a copy of the State issued permit for the Disposal Facility.

Submit to this office, 414 West Taylor, Hobbs, NM 88240, the above required information on a Sundry Notice 3160-5. Submit 1 original and 5 copies, within the required time frame. (This form may be used as an attachment to the Sundry Notice,) call me at 505-393-3612 if you need to further discuss this matter.

FAX:

P. O. BOX 14E8 MONAHANS, TEXAS 78756 PH. 843-3234 OR 563-1040

Martin Water Laboratories, Inc.

709 W. INDIANA MIDLAND, TEXAS 79701 PHONE 683-4521

RESULT OF WATER ANALYSES

TO: Mr. Dirk Ellvson SAMPLE RECEIVED 5/5/ P.). Box 3229, Carlsbad, NM 88221 SAMPLE RECEIVED 5/5/ COMPANY EOG Resouces, Inc. LEASE Diamond FIELD OR POOL Pitchfork Ranch SECTION BLOCK SURVEY COUNTY Lea STATE NM SOURCE OF SAMPLE AND DATE TAKEN: NO. 1 Produced water - taken from Diamond #31-1. 5/4/01 NO. 2 NO. 3	
COMPANY EOG Resouces, Inc LEASE Diamond FIELD OR POOL Pitchfork Ranch SECTION BLOCK SURVEY COUNTY Lea STATE NM SOURCE OF SAMPLE AND DATE TAKEN: NO.1 Produced water - taken from Diamond #31-1. 5/4/01 NO.2	/01
Pitchfork Ranch SECTION BLOCK SURVEY COUNTY Lea STATE NM SOURCE OF SAMPLE AND DATE TAKEN: NO. 1 Produced water - taken from Diamond #31-1. 5/4/01 NO. 2	
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NO.1 Produced water - taken from Diamond #31-1. 5/4/01 NO.2	
NO.1 Produced water - taken from Diamond #31-1. 5/4/01	
NO. 2	
NO. 3	
NO. 4	
EMARKS:	
CHEMICAL AND PHYSICAL PROPERTIES	
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spended Oil	
trable Solids as mg/l	
Joiume Filtered, mi	
Results Reported As Milligrams Per Liter	
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o suggest the likelihood that the other salt contents are a part of a surface connate water because it has an abnormally high sulfate for the hloride. Therefore, these discrepancies assured to the sulfate for the	natural sub
hloride. Therefore, these discrepancies assure with sultate for the	sodium and
hloride. Therefore, these discrepancies cause us to be suspicious as robable origin of the water involved that cause of the suspicious as	to the most
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STATE OF NEW MEXICO



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

DIL CONSERVATION DIVISION



POST CFFICE 80X 2088 STATE LAND OFFICE BUILDING SANTA FE. NEW MEXICO 87504 (505) 827-5800

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BRUCE KING GOVERNOR ANITA LOCKWOOD CABINET SECRETARY

AMENDED ADMINISTRATIVE ORDER SWD-549

APPLICATION OF ENRON OIL AND GAS COMPANY FOR SALT WATER DISPOSAL, LEA COUNTY, NEW MEXICO.

ADMINISTRATIVE ORDER OF THE OIL CONSERVATION DIVISION

Under the provisions of Rule 701(B), Enron Oil and Gas Company made application to the New Mexico Oil Conservation Division on November 23, 1993, for permission to complete for salt water disposal its Vaca Ridge "30" Federal Com Well No. 1 located 1980 feet from the South line and 1980 feet from the West line (Unit 30) of Section 30, Township 24 South, Range 34 East, NMPM, Lea County, New Mexico.

THE DIVISION DIRECTOR FINDS THAT:

- (1) The application has been duly filed under the provisions of Rule 701(B) of the Division Rules and Regulations;
- (2) Satisfactory information has been provided that all offset operators and surface owners have been duly notified;
- (3) The applicant has presented satisfactory evidence that all requirements prescribed in Rule 701 will be met; and
 - (4) No objections have been received within the waiting period prescribed by said rule.

IT IS THEREFORE ORDERED THAT:

The applicant herein, Enron Oil and Gas Company is hereby authorized to complete its Vaca Ridge "30" Federal Com Well No. 1 located 1980 feet from the South line and 1980 feet from the West line (Unit K) of Section 30, Township 24 south, Range 34 East, NMPM, Lea County, New Mexico, in such manner as to permit the injection of salt water for disposal purposes into the Bell Canyon formation at approximately 6300 feet to 6400 feet through 2 3/8-inch plastic-lined tubing set in a packer located at approximately 5300 feet.

Amended Administrative Order SWD-549 Enron Oil and Gus Company August 25, 1994 Page 2

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.

Prior to commencing injection operations into the well, the casing shall be pressure tested from the surface to the packer setting depth to assure the integrity of said casing.

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.

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 1260 psi.

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 Bell Canyon formation. Such proper showing shall consist of a valid step-rate test run in accordance with and acceptable to this office.

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 and of the mechanical integrity test so that the same may be inspected and witnessed.

The operator shall immediately notify the supervisor of the Hobbs district office of the Division of the failure of the tubing, casing, or packer in 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 the entry of such further order or orders as may be deemed necessary or convenient for the prevention of waste and/or protection of correlative rights; upon failure of the operator to conduct operations in a manner which will ensure the protection of fresh water or in a manner inconsistent with the requirements set forth in this order, the Division may, after notice and hearing, terminate the injection authority granted herein.

The operator shall submit monthly reports of the disposal operations in accordance with Rule Nos. 706 and 1120 of the Division Rules and Regulations.

Amended Administrative Order SWD-549 Enron Oil and Gas Company August 25, 1994 Page 3

The injection authority granted herein shall terminate one year after the effective date of this order if the operator has not commenced injection operations into the subject well, provided however, the Division, upon written request by the operator, may grant an extension thereof for good cause shown.

Approved at Santa Fe, New Mexico, on this 25th day of August, 1994.

WILLIAM J. LEMAY, Director

WJL/BES/amg

xc: Oil Conservation Division - Hobbs

US Bureau of Land Management - Carlsbad