Form 3160-5 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO 1004-0135 Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an

Lease Serial No. NMNM57285

abandoned we	ell. Use form 3160-3 (API	D) for such pr	oposals.		o ii ilidiali, Allottee oi	Tibe Name
SUBMIT IN TRIPLICATE - Other instructions on reverse side.					7. If Unit or CA/Agreement, Name and/or No NMNM117035	
Type of Well ☐ Other ☐ Other					8 Well Name and No. CODORNIZ 28 FEDERAL 03	
2 Name of Operator CHESAPEAKE OPERATING		9. API Well No 30-025-37523-0	D-S1			
3a Address P O BOX 18496 OKLAHOMA CITY, OK 7315	3b. Phone No. Ph: 405.767 Fx: 405.753.		e)	10. Field and Pool, or Exploratory QUAIL RIDGE		
4 Location of Well (Footage, Sec.,					11 County or Parish, a	nd State
Sec 28 T19S R34E SWSE 86	60FSL 1980FEL		•		LEA COUNTY, 1	MM
12. CHECK APP	ROPRIATE BOX(ES) TO) INDICATE 1	NATURE OF	NOTICE, RE	EPORT, OR OTHER	DATA
TYPE OF SUBMISSION		· · · · · ·	ТҮРЕ О	F ACTION		
□ Notice of Intent	☐ Acidize	□ Deep	n	Producti	ion (Start/Resume)	☐ Water Shut-Off
_	☐ Alter Casing	Fracti			ation	☐ Well Integrity
Subsequent Report	☐ Casing Repair	□ New	Construction	Recomp	lete	Other
Final Abandonment Notice	Change Plans	Plug	nd Abandon	Tempora	arily Abandon	
	Convert to Injection	□ Plug	Back	₩ Water D		
PLEASE FIND THE ATTACH (CHK PN 819656)		SAL INFORM	ATION.	HC	FEB 2 8 2008)BBS O	OD .
14. Thereby certify that the foregoing is Cor Name (Printed/Typed) LINDA GO	# Electronic Submission For CHESAPE nmitted to AFMSS for proce	AKE OPERATING SSING BY KURT	G INC, sent to SIMMONS on	the Hobbs 02/20/2008 (0	BKMS0416SE)	
Name (Frimed/Typea) LINDA GO	טטט		Title FEDEF	RAL REGULA	TORY ANALYST	
Signature (Electronic	Submission)		Date 02/20/2	2008	·	•
0	THIS SPACE FO	R FEDERAL	OR STATE	OFFICE US	SE .	
Approved By JAMES A AMOS			TitleSPET			Date 02/26/20
Conditions of approval, if any, are attached certify that the applicant holds legal or equivalent would entitle the applicant to conditions.	uitable title to those rights in the	not warrant or subject lease	Office Hobbs		. 100 4 20	02/20/20
Fitle 18 U.S.C Section 1001 and Title 43 States any false, fictitious or fraudulent	U.S.C. Section 1212, make it a statements or representations as	crime for any per	son knowingly an	d willfully to ma	ake to any department or	agency of the United

OIL CONSERVATION DIVISION 2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

May 16, 1997

Manzano Oil Corporation P.O. Box 2107 Roswell, New Mexico 88202-2107

Attn: Mr. David Sweeney

RE: Injection Pressure Increase,

Texaco Federal SWD Well No.2,

Lea County, New Mexico

Dear Mr. Sweeney:

Reference is made to your request dated March 5, 1997 to increase the surface injection pressure on the above referenced well. This request is based on a step rate test conducted on February 18, 1997. The results of the test have been reviewed by my staff and we feel an increase in injection pressure on this well is justified at this time.

You are therefore authorized to increase the surface injection pressure on the following well:

Well and Location	Maximum Surface Injection Pressure				
Texaco Federal SWD Well No.3	1772 PSIG				
Located in UL 'G' of Section 14, Township 19 South, Range 33 East, Lea County, New Mexico.					

The Division Director may rescind this injection pressure increase if it becomes apparent that the injected water is not being confined to the injection zone or is endangering any fresh water aquifers.

Sincerely,

William J. LeWay Director

WJL/BES

cc: Oil Conservation Division - Hobbs

Files: SWD-483: PSI-X 3rdOTR97

ATTACHMENT TO INCIDENT OF NON COMPLIANCE NUMBER KAH-010-08

WATER PRODUCTION & DISPOSAL INFORMATION

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

1.	Names(s) of all formation(s) producing water on the lease. No row
2.	Amount of water produced from all formations in barrels per day.
3. dis	A Current water analysis of produced water from all zones showing at least the total ssolved solids, ph, and the concentrations of chlorides and sulfates. — See Attached
4. Li	How water is stored on the lease. Dell #2: 250Bbl FG open top. Well #3: 300Bbl FG closed tank.
,5. 	How water is moved to the disposal facility. By Transport
6.	Identify the Disposal Facility by: A. Facility Operator Name
-	B. Name of facility of well name & number Texaco Fed Com #25WD
	C. Type of facility of well (WDW)(WIW), etc. WDW.
	D. Location by ¼, ¼, Section, Township and Range 1980 FXL +2310 FEL 514-198-33E
7.	Attach a copy of the State issued permit for the Disposal Facility. —ATTAChed

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

Martin Water Laboratories, Inc.

P.O. BOX 98 MIDLAND, TX. 79702 PHONE (432) 663-4521

709 W. INDIANA MIDLAND, TEXAS 79701 FAX (432) 682-8819

TOWNS CAR TO COME AND COME AND

ישנייטיט (שניי) איינייטיט (שניי)	RESULT OF WATER AN	IALYSES		208-49			
	LA	BORATORY NO	1				
Mr. Ralph Skinner	SA	MPLE RECEIVED		2-5-08 2-6-08			
PO Box 190, Midland, TX 89240	ЯЕ	SULTS REPORTED_	4				
Chesapeake	l #a	Cod	lorniz 28 Fed				
COMPANY	LEA	LEASE					
FIELD OR POOLSURVEY	COUNTY Let	STATE		MM			
	COON I I	31R1C					
SOURCE OF SAMPLE AND DATE TAKEN: Cordoniz 28 Fed #2. 2-4-08	•						
NO. 1 Cordoniz 28 Fed #2. 2-4-08 Cordoniz 28 Fed #3. 2-4-08		···					
NO. 2 Cordoniz 28 red #3. 2-4-08	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
NO. 3	· · · · · · · · · · · · · · · · · · ·						
NO. 4							
REMARKS:	wass allow officials	PROPERTIES					
CHE	NO. 1	NO. 2	NO. 3	NO. 4			
	1.0035	1.0300		12.2			
Specific Gravity at 60 ° F.	1.0033			1			
pH When Sampled	3.93	6,24		 			
pH When Received	3.93	146		1			
Bicerbonale as HCO,							
Superseturation as CaCO,	1						
Undersaturation as CaCO _t	460	3,800					
Total Hardness as CaGO	112	1,020					
Calcium as Ca	44	304					
. Magnestum as Mg			· · · · · · · · · · · · · · · · · · ·	 			
Sodium andige Polassium	385	15,527		 			
Suitate as 50.	91	859		1			
- Chloride as CF to No Auto to the to the total	852	25,915		 			
Iron as Fe	77.8	82.7		 			
-Bacium as Ba	0	0					
Turbidity, Electric							
Cofor as Pt	1 400	30 001	· ·				
Total Solds, Dalculated	1,483	43,771		 			
Temperature °F.							
Czibon Dlaxide, Calculated			······································				
Dissolved Ozygen,		0.0					
Hydrogen Suilide	0.0						
Resistivity, ohms/m at 77° F.	3.480	0.184					
Suspended Oil							
Finiable Solids as ingil			 				
Volume Fittered, mi				 			
	_						
				+			
				<u> </u>			
	Results Reported As Milegra- The Water from Well #	na recules O chorus characteries	ics of a fresh wa	ter with			
Additional Determinations And Remarks OCID INFLUENCE.	THE WARE HOUR WELL H	a survis cum acterizi	iva ur a mesii wa	BAY MITH			
GOIO MINICINO.							
	······································	_/_/_					
		-/- /- -					
			-				
Form No. 3		TO 1 Min					

Greg Ogden, B.S.

STATE OF NEW MEXICO



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



BRUCE KING GOVERNOR ANITA LOCKWOOD CABINET SECRETARY

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87504 (505) 827-5800

AMENDED ADMINISTRATIVE ORDER SWD-483

APPLICATION OF MANZANO OIL CORPORATION FOR SALT WATER DISPOSAL, LEA COUNTY, NEW MEXICO

ADMINISTRATIVE ORDER OF THE OIL CONSERVATION DIVISION

Under the provisions of Rule 701(B), Manzano Oil Corporation made application to the New Mexico Oil Conservation Division on June 22, 1992, for permission to complete for salt water disposal its Texaco Federal No. 2 located 1990 feet from the North line and 2310 feet from the East line (Unit G) of Section 14, Township 19 South, Range 33 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:

(1) The applicant herein, Manzano Oil Corporation is hereby authorized to complete its Texaco Federal No. 2 located 1990 feet from the North line and 2310 feet from the East line (Unit G) of Section 14, Township 19 South, Range 33 East, NMPM, Lea County, New Mexico, in such manner as to permit the injection of salt water for disposal purposes into the Delaware formation at approximately 6260 feet to 7811 through 2 7/8 inch plastic lined tubing set in a packer located at approximately 6310 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.

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 1252 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 Delaware 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-483 Manzano Oil Corporation April 29, 1993 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 29th day of April, 1993.

WILLIAM J. LEMAY, Director

YC.

OCD - Hobbs

BLM - Carlsbad