

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division
1625 N. French Dr.
Hobbs, NM 88240

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Cross Timbers Operating Company

3a. Address

3000 N. Garfield, Suite 175 Midland, Texas 79705

3b. Phone No. (include area code)

915/682-873

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

1650' FEL & 990' FSL, Sec. 30, T17S, R33E, Unit Ltr O

5. Lease Serial No.

NTM 94189

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

U. S. Minerals #5

9. API Well No.

30-025-26668

10. Field and Pool, or Exploratory Area

Maljamar:Grayburg-San Andres

11. County or Parish, State

Lea

NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☒ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☐ Other

13. 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 recompleat 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 recompleat 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.)

Form 3160-5 being filed to request approval to dispose of produced water. See attachments.

Well is presently shut-in.

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Janice Courtney

Title

Regulatory Tech

Date

2/21/2001

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Les Babyak

(ORIG. SGD.) LES BABYAK

PETROLEUM ENGINEER

Date

MAR 03 2001

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, 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.

ATTACHMENT to Incident of Noncompliance # AJM-019-01

The following information is needed before your disposal of produced water can be approved, per Onshore Oil & Gas Order #7.

You may attach this information to your Sundry Notice (3160-5). Submit all required information as per this attachment, submit a Sundry Notice(3160-5),one original and five copies to this office within the required time.

Letter to Mark Ashley, EMNRD, Santa Fe, NM, dated 6/21/2000, is also attached.

1. Name(s) of all formation(s) producing water on the lease. Grayburg/San Andres
2. Amount of water produced from all formations in barrels per day. 500 BWPD
3. 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. Water Analysis Attached
4. How water is stored on the lease. Storage tank at battery.
5. How water is moved to the disposal facility. Pipeline via a transfer pump.
6. Identify the Disposal Facility by:
 - A. Operators' Name Cross Timbers Operating Company
 - B. Well Name U. S. Minerals
 - C. Well type and well number Type: Oil Well Numbers: #4 and #5
 - D. Location by quarter/quarter, section, township, and range Wells located in the
SW/4 of the SE/4 of Sec. 30
7. A copy of the Underground Injection Control Permit - issued for the injection well by the Environmental Protection Agency or New Mexico Oil Conservation Division where the State has achieved primacy.
Not Applicable.

REBBCO SERVICES
P.O. Box 3901 Lubbock, Texas 79452
806/778 0306

REC'D. / MIDLAND

JUN 21 2000

WATER ANALYSIS

Company: Cross Timbers Operating
Location: Phillips US Minerals
Source: Heater Discharge
Date Sampled: 06-07-00

Sampled by: Bobby Carnes
Analysis Date: 06-09-00
Report To: Pal Darden

CATIONS	mg/l
Calcium	3150
Magnesium	725
Sodium	75900
Barium	
Iron	

ANIONS	mg/l
Chloride	121000
Sulfate	3900
Bicarbonate	75.90

PARAMETERS

pH	6.50
Temperature	80
Density	1.12
Pressure	30
Calculated T.D.S.	204767

Molar Conductivity	393.42
Sulfide as H ₂ S	
Carbon Dioxide	
Dissolved Oxygen	

CaCO₃ Scaling Tendencies

Stability index @:	80 F	0.268
	100 F	0.3
	120 F	0.37
	160 F	0.41

CaSO₄ Scaling Tendencies

Stability index @:	90 F	2.20
--------------------	------	------

REBBCO SERVICES
P.O. Box 3901 Lubbock, Texas 79452
806/778 0306

REC'D. / MIDLAND

JUN 21 2000

WATER ANALYSIS

Company: Cross Timbers Operating
Location: SEMGSAU
Source: Heater Discharge
Date Sampled: 06-07-00

Sampled by: Bobby Carnes
Analysis Date: 06-09-00
Report To: Pat Darden

CATIONS	mg/l
Calcium	2982
Magnesium	2052
Sodium	34003
Barium	
Iron	

ANIONS	mg/l
Chloride	60986
Sulfate	3135
Bicarbonate	782

PARAMETERS

pH	7.49
Temperature	80
Density	1.01
Pressure	30
Calculated T.D.S.	103922

Molar Conductivity	56420
Sulfide as H ₂ S	
Carbon Dioxide	
Dissolved Oxygen	

CaCO₃ Scaling Tendencies

Stability index @:	80 F	1.36
	100 F	2.01
	120 F	2.13
	160 F	2.34

CaSO₄ Scaling Tendencies

Stability index @:	90 F	1.20
--------------------	------	------

