

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau 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

2700 Farmington Ave., Bldg. K, Ste 1 Farmington, NM 87401

3b. Phone No. (include area code)

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

990' FSL & 1,750' FWL Sec 8, T27N, R08W

5. Lease Serial No.

SF-079319

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Schwerdtfeger A LS #14

9. API Well No.

3004506601

10. Field and Pool, or Exploratory Area

Blanco Mesaverde
S. Blanco Pictured Cliffs

11. County or Parish, State

San Juan NM

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

TYPE OF SUBMISSION

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

TYPE OF ACTION

- | | | | |
|---|---|--|--|
| ☐ Acidize | ☐ Deepen | ☐ Production (Start/Resume) | ☐ Water Shut-Off |
| ☐ Alter Casing | ☐ Fracture Treat | ☐ Reclamation | ☐ Well Integrity |
| ☐ Casing Repair | ☐ New Construction | ☐ Recomplete | ☒ Other <u>DHC</u> |
| ☐ Change Plans | ☐ Plug and Abandon | ☐ Temporarily Abandon | |
| ☐ Convert to Injection | ☐ Plug Back | ☐ Water Disposal | |

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 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.)

Cross Timbers Operating Co has applied with NMOCD for DHC approval of the above mentioned well. Once approval is received from both NMOCD & BLM, Cross Timbers plans to re-enter the well, remove the siphon string, remove the production packer, land a single string of 2-3/8" tubing and re-calibrate the flow meter. The well will then be returned to production through the Mesaverde surface equipment.

The enclosed attachments are for your records.

Cross Timbers plans to began this workover in April 1999.

RECEIVED
MAR 29 1999
OIL CON. DIV.
DIST. 3

RECEIVED
BLM
MAR 16 PM 1:49
070 FARMINGTON, NM

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

Jeffery W. Patton

Title

Production Engineer

Date

3/12/99

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

/S/ Duane W. Spencer

Title

Team Lead, Petroleum Management

Date

MAR 25 1999

Office

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.

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.

(Instructions on reverse)

NMOCD



Cross Timbers Operating Company

Ms. Lori Wrotenbery
New Mexico Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505

Re: Administrative Approval to Downhole Commingle
Cross Timbers Operating Co.
Schwerdtfeger "A" LS #14
990' FSL & 1,750' FWL Sec. 8, T27N, R08W
San Juan County, New Mexico

Dear Ms. Wrotenbery,

Cross Timbers Operating Company hereby request administrative approval to downhole commingle the Blanco Mesaverde and South Blanco Pictured Cliffs pools in the above mentioned well. The well was originally completed as a dual completion with the Mesaverde being produced under a packer and up the tubing and the Pictured Cliffs being produced up the casing. Currently both the Mesaverde and Pictured Cliffs are producing. Through internal analysis it appears that the Mesaverde zones have been under produced. Most Mesaverde wells in this area are very susceptible to liquid loading problems. Therefore to improve the recovery of liquids and to improve the ultimate recovery of production, Cross Timbers Operating Company is certain that if both zone are approved for downhole commingle then the above objectives can be obtained.

To comply with New Mexico Oil Conservation Rules, Cross Timbers Operating Co is submitting the following data for your approval of the proposed commingling:

1. C-107A Application for Downhole Commingle
2. C-102 Well Location & Acreage Dedication Plat
3. Production curves for both the Mesaverde & Pictured Cliffs Formation
4. Offset Operators Plat
5. Well Location Plat

In accordance to New Mexico Oil Conservation Division Rule 303C, all offset operators are being notified of this application. As an offset operator, if you do not have any objections to this application, you do not have to respond to this notification.

If additional information is needed, please feel free to contact Cross Timbers Operating Co.

Sincerely,

Jeffery W. Patton
Production Engineer

CC: NMOCD –Aztec, Offset Operators, BLM

DISTRICT I

P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II

811 S. First St., Artesia, NM 88210-2835

DISTRICT III

1000 Rio Brazos Rd, Aztec, NM 87410-1693

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 S. Pacheco
Santa Fe, New Mexico 875054-6429Form C-107-A
New 3-12-96

APPROVAL PROCESS:

☒ Administrative ☐ Hearing

EXISTING WELLBORE

☒ YES ☐ NO

APPLICATION FOR DOWNHOLE COMMINGLING

Cross Timbers Operating Company

2700 Farmington Ave., Bldg. K. Ste 1 Farmington, NM 87401

Operator

Address

Schwerdtfeger A LS

#14

Unit N

Sec 8

T27N

R08W

San Juan, NM

Lease

Well No.

Unit Ltr. - Sec - Twp - Rge

County

OGRID NO. 167067

Property Code 022635

API NO. 30-045-06601

Spacing Unit Lease Types: (check 1 or more)
Federal ☒ State ☐ (and/or) Fee ☐

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	S Blanco Pictured Cliffs 72439		Blanco Mesaverde 72319
2. Top and Bottom of Pay Section (Perforations)	2858' - 2916' (perf'd)		5154' - 5272' (perf'd)
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
5. Bottomhole Pressure Oil Zones - Artificial Lift: Gas & Oil - Flowing: All Gas Zones: Estimated Current Measured Current Estimated Or Measured Original	a. (Current) 226 psia (calc) b. (Original) 818 psia (calc)	a. b.	a. 350 psia (calc) b. 1054 psia (calc)
6. Oil Gravity ($^{\circ}$ API) or Gas BTU Content)	1149 btu		1236 btu
7. Producing or Shut-In?	Producing		Producing
Production Marginal? (yes or no)	Yes		Yes
* If Shut-In, give date and oil/gas/water rates of last production Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data	Date: Rates:	Date: Rates:	Date: Rates:
* If Producing, give date and oil/gas/water rates of recent test (within 60 days)	Date: 3-12-99 Rates: 0 bwpd, 28 mcfpd, 0 bopd	Date: Rates:	Date: 3-12-99 Rates: 0 bwpd, 16 mcfpd, 0 bopd
8. Fixed Percentage Allocation Formula - % for each zone	Oil: 0 % Gas: 58 %	Oil: % Gas: %	Oil: 100 % Gas: 42 %

9. If allocation formula is based upon something other than current or past production, or is based upon some other method, submit attachments with supporting data and/or explaining method and providing rate projections or other required data.

10. Are all working, overriding, and royalty interests identical in all commingled zones?
If not, have all working, overriding, and royalty interests been notified by certified mail?
Have all offset operators been given written notice of the proposed downhole commingling?☒ Yes ☐ No
☒ Yes ☐ No
☒ Yes ☐ No11. Will cross-flow occur? ☐ Yes ☒ No If yes, are fluids compatible, will the formations not be damaged, will any cross-flowed production be recovered, and will the allocation formula be reliable. ☒ Yes ☐ No (If No, attach explanation)12. Are all produced fluids from all commingled zones compatible with each other? ☒ Yes ☐ No13. Will the value of production be decreased by commingling? ☐ Yes ☒ No (If Yes, attach explanation)14. If this well in on, or communized with, state or federal lands, either the Commissioner of Public Lands or the United States Bureau of Land Management has been notified in writing of this application. ☒ Yes ☐ No

15. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(S). _____

16. ATTACHMENTS:

- * C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- * Production curve for each zone for at least one year. (If not available, attach explanation.)
- * For zones with no production history, estimated production rates and supporting data.
- * Data to support allocation method or formula.
- * Notification list of all offset operators.
- * Notification list of working, overriding, and royalty interests for uncommon interest cases.
- * Any additional statements, data, or documents required to support commingling.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Jeffery W. Patton TITLE Production Engineer DATE 3-12-99TYPE OR PRINT NAME Jeffery W. Patton TELEPHONE NO. (505) 324-1090

NEW MEXICO OIL CONSERVATION COMMISSION
Well Location and Acreage Dedication Plat

Section A.

Date **JANUARY 31, 1958**

Operator **EL PASO NATURAL GAS COMPANY** Lease **SCHWERTFEGER** SF **079319**
Well No. **14A (PM)** Unit Letter **N** Section **8** Township **27N** Range **8W** NMMP
Located **990** Feet From **SOUTH** Line, **1750** Feet From **WEST** Line
County **SAN JUAN** G. L. Elevation **6738** Dedicated Acreage **320 & 160** Acres
Name of Producing Formation **MESA VERDE & PICTURED CLIFF** Pool **BLANCO SET. MV-SO. BLANCO PC.**

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below?
Yes ☒ No ☐
2. If the answer to question one is "no", have the interests of all the owners been consolidated by communization agreement or otherwise? Yes ☐ No ☐ If answer is "yes", Type of Consolidation.
3. If the answer to question two is "no", list all the owners and their respective interests below:

Owner

Land Description

RECEIVED

FEB 4 1958
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

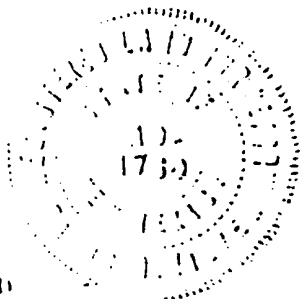
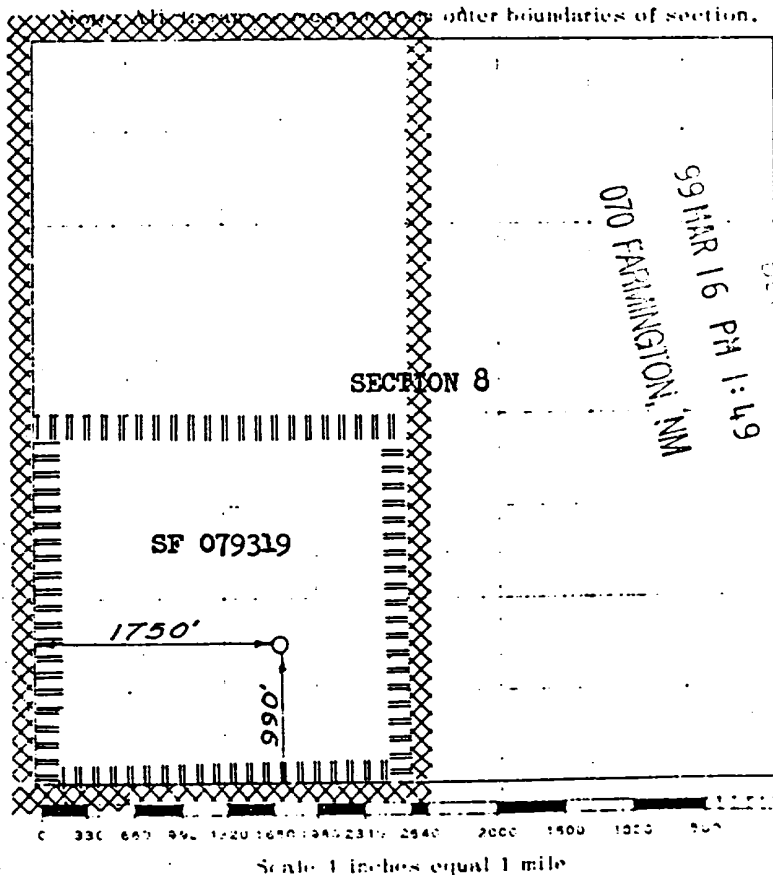
Section B.

This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

El Paso Natural Gas Company
(Operator)
Original Signed **D. C. Johnston**
(Representative)

Box 997
(Address)

Farmington, New Mexico



(Seal)

Farmington, New Mexico

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Date Surveyed **JANUARY 9, 1958**

David D. Filmer
Registered Professional Engineer and/or Land Surveyor

Cross Timbers Oil Company

SCHWERTFEGER A 14

CROSS TIMBERS
BLANCO S (PICTURED CLIFFS)
SAN JUAN, NEW MEXICO

SAN JUAN
71165

08N 27N 08W
RWT

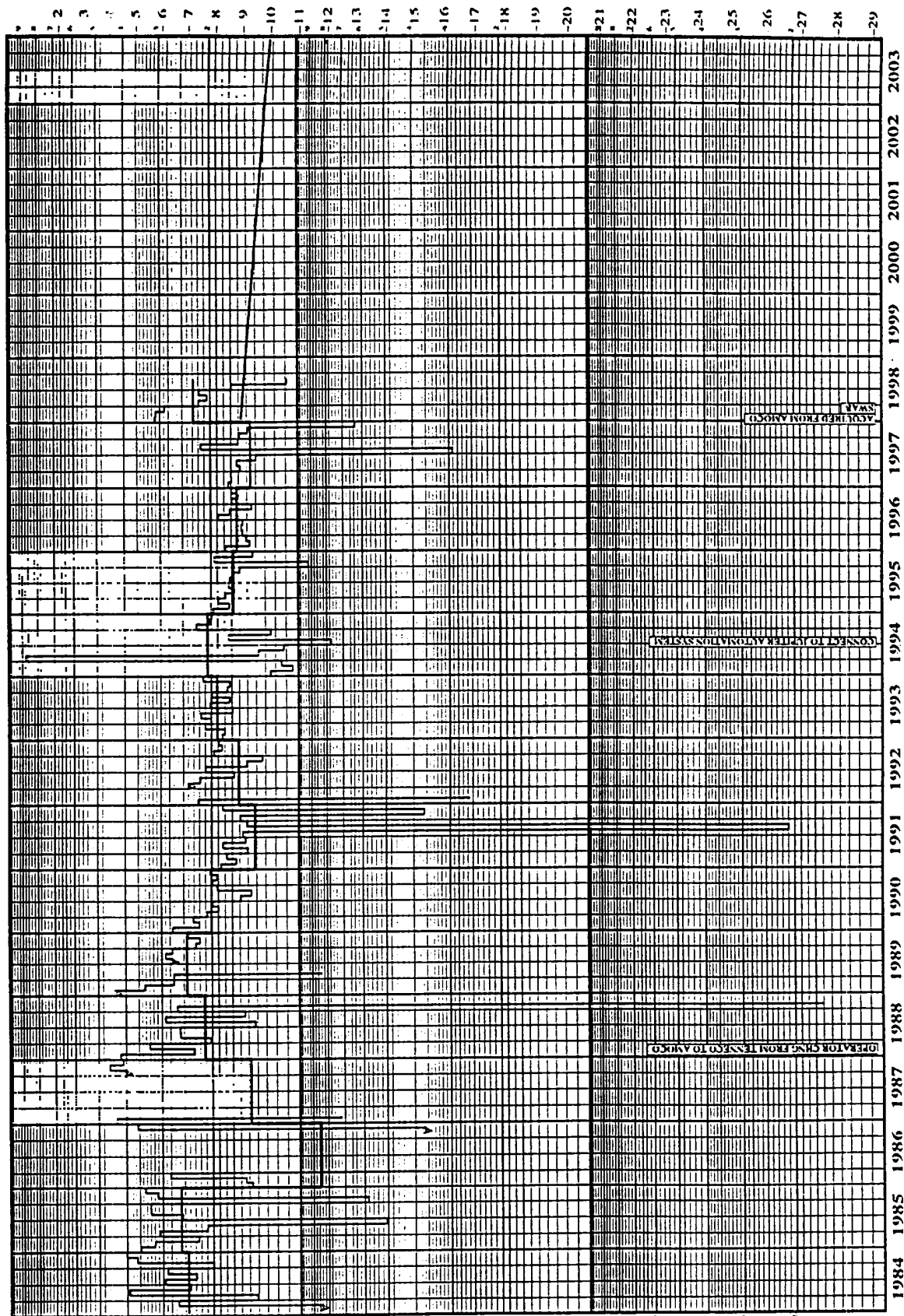
CO
450660

M & L - 1/98 FORECAST

JWP DLM CP-K-WSS

Run Date: 01/19/98
Run Time: 12:15:52

GAS (mc/ftmo) ▽
OIL (bbls/mo) Δ



Cross Timbers Oil Company

SCHWERTFEGER A 14

CROSS TIMBERS
BLANCO (MESAVERDE)
SAN JUAN, NEW MEXICO
08N 27N 08W
RWT

CO
506601

SAN JUAN
71164

M & L - 1/98 FORECAST

JWP DLM CP-K-WSS

Run Date: 03/1998
Run Time: 12:15:35

GAS (mc/dm) ▽
OIL (bbls/dm) Δ

