

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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)

324 1090

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

2,170' FSL & 1,650' FWL Unit K Sec 1, T 31 N, R 14 W

FORM APPROVED

Budget Bureau No. 1004-0135
Expires November 30, 2000

5. Lease Serial No.

UTE 14-20-0604-0078

6. If Indian, Allottee or Tribe Name

Ute Mountain Ute Indian Trib

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

SWI 4224

8. Well Name and No.

Ute Mountain #1
Tribal "H" Gas Com

9. API Well No.

30-045-11670

10. Field and Pool, or Exploratory Area

Ute Dome Paradox

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

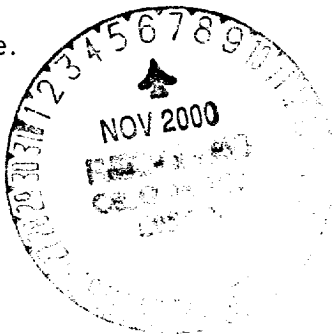
TYPE OF ACTION

- ☐ Acidize ☐ Deepen ☐ Production (Start/Resume) ☐ Water Shut-Off
☐ Alter Casing ☐ Fracture Treat ☐ Reclamation ☐ Well Integrity
☐ Casing Repair ☐ New Construction ☐ Recomplete ☒ Other Open
☐ Change Plans ☐ Plug and Abandon ☐ Temporarily Abandon additional pay
☐ 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 approximated 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.)

It is proposed to open additional pay in the Paradox formation. The following intervals will be perforated at 2 SPF: 7,410'-16', 7,430'-46', 7,454'-69', 7,694'-7,704', 7,716'-24', 7,740'-75', 7,794'-98', 7,824'-32', 7,846'-52' & 7,884'-96'. Each new interval will be selectively acidized with 150 gals 20% HCl acid per foot. The well will be returned to production with an open ended single tubing string.

See attached procedure.



SEE ATTACHED
CONDITIONS OF APPROVAL

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

Name (Printed/Typed)

Thomas DeLong

Title

Operations Engineer

Date

October 20, 2000

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved **JOHN L. PECOR**

ACTING

MINERALS STAFF CHIEF

OCT 26 2000

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, 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.

RECEIVED

Cross Timbers Operating Company
Preliminary Workover Procedure

UTE MOUNTAIN TRIBAL GAS COM H #1
2170' FSL & 1650' FWL, SEC 1 T31N R14W
San Juan County, New Mexico

Formation: Paradox

Production Casing: 5-1/2", 14# & 15.5# casing at 8,389' w/DVT @ 6,406'. Cemented first stage w/350 sacks & second stage w/450 sacks cement. TOC unknown.

Tubing: 2-1/16" tubing at 8,108' w/model "FA" packer at 7,550'. 1-1/2" tubing latched into packer at 7,550'. See well history for detail.

Perforations: 7604'-7624', 7984'-7990', 8079'-8085', & 8096'-8111'.

Current Status: F. 0 BO, 1 BW, 459 MCF, FTP 163 psig, SICP 315 psig (pkr), LP 139 psig, 24 hrs.

Purpose: Open additional Paradox pay.

NOTE: Paradox wells produce sour gas (H₂S). Observe all safety precautions. Utilize safety services during workover operations.

1. Test anchors. Install or replace as necessary.
2. MI 3 frac tanks (2 lined) and 270 joints (\pm 8,370') 2-7/8", 6.5#, J-55, EUE, 8rd tubing. Fill unlined tank with 2% KCl water.
3. Load TCA with 2% KCl water and pressure test to 500 psig.
4. MIRU WL. RIH and check for fill. PBTD is 8,355'.
5. MIRU PU. Blow well down. Kill well with 2% KCl if necessary.
6. TOH and lay down 1-1/2" tubing (chemical injection string) and 2-1/16" tubing (production string).
7. TIH with bottom hole packer milling assembly (4-3/4" packer mill), 4 - 3-1/2" drill collars, Bull Dog bailer and 2-7/8" tubing. Mill loose Baker model "FA" packer set at 7,550'. TOH.
8. If necessary, TIH with NC, SN and 2-3/8" tubing to PBTD (8,355') and clean out fill with air-foam unit. Verify with Tom DeLong if clean out is necessary. TOH.

9. MIRU perforating services. Run GR/CCL from PBTD (8,355') to 7,000'. Perforate additional Paradox intervals with a 4" HSC casing gun (0.44" dia., 23 gram, 240 holes) at 2 JSPF as follows:

7,884'-7,896'
 7,846'-7,852'
 7,824'-7,832'
 7,794'-7,798'
 7,740'-7,775'
 7,716'-7,724'
 7,694'-7,704'
 7,454'-7,469'
 7,430'-7,446'
 7,410'-7,416'

10. TIH with RBP and Packer for 5-1/2" 14# and 15.5# casing. Using the RBP and packer selectively acidize each perforated interval with a total of 18,000 gals 20% HCl acid. If intervals communicate reset packer above the next interval and combine acid volumes. Flush requires 497 barrels of 2% KCl water.

<u>Perforated Interval (ft)</u>	<u>Net Interval (ft)</u>	<u>20% HCL (gals)</u>	<u>Flush Vol 2% KCl (bbls)</u>
7,884'-96'	12	1,800	51
7,846'-52'	6	900	51
7,824'-32'	8	1,200	51
7,794'-98'	4	600	50
7,740'-75'	35	5,250	50
7,716'-24'	8	1,200	50
7,694'-7,704'	10	1,500	49
7,454'-69'	15	2,250	49
7,430'-46'	16	2,400	48
7,410'-16'	6	900	48

Do not exceed 2,000 psig.

11. TOH with RBP and packer.
12. TIH with SN, NC and 2-7/8", 6.5#, J-55, EUE, 8rd tubing. Land tubing at ±8,100'.
13. Swab well to recover load and kick well off. RDMO PU.
14. RWTP. Obtain well tests as necessary.

Cross Timbers Operating Company
Tribal Lease: 14-20-604-78
Well: Ute Mountain Tribal H Gas Com #1
Location: 2170' FSL & 1650' FWL
Sec. 1, T. 31 N., R. 14 W.
San Juan County, New Mexico

Conditions of Approval:

1. A production log survey or testing of individual Paradox zones correlating perforated intervals with the name of the producing zones must be run within the first three months (not to exceed three months) of production or when production stabilizes. This testing is to determine the contribution each component zone of the Paradox formation contributes to overall production. This test is to be repeated in three years or as required by the UMU Tribe and the BLM. Repeat testing may be required to determine the cause of changes in production. The purpose of this information is to enable reservoir analysis to be performed on the individual productive zones. Records of production from the individual Paradox zones must be maintained by Cross Timbers for review by UMU Tribe and BLM personnel.
2. No additional zones will be commingled without UMU Tribal and BLM approval.
3. Stabilized Bottom hole pressures must be taken from the perforated zones of the Paradox formation. This pressure monitoring will take place within 30 days after the onset of production after the well has cleaned up.
4. Within 30 days after operations have been completed, please send a subsequent report of operations via Sundry Notice and a revised wellbore diagram.