

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 324 1090

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

1,630' FNL & 790' FEL Sec 27, T 27 N, R 10 W

5. Lease Serial No.

SF 077951A

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Jack Frost B #2E

9. API Well No.

30-045-24372

10. Field and Pool, or Exploratory Area

Angel Peak Gallup
Basin Dakota

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

- | | | | |
|---|---|--|---|
| <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input checked="" type="checkbox"/> Other DHC |
| <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> 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 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.)

Cross Timbers Operating Company request permission to DHC the well per the attached procedure.

The DHC orders were approved 5/10/1996.

BLM approval was granted 4/25/1996.

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

Loren W. Fothergill

Title

Operations Engineer

Date 4/8/99

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

/s/ Duane W. Spencer

Team Lead, Petroleum Management

Date

APR 19 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)

NMOC



Cross Timbers Operating Company

Jack Frost B #2E
Workover Procedure
4/8/1999
SEC 27, T27N, R10W.
SAN JUAN COUNTY NEW MEXICO

Formation: Dakota / Gallup
Surface csg: 9-5/8", 32.3#, H-40, ST&C csg @ 304'. Cmt'd w/350 sx class B cmt w/2% CaCl₂. Circ to surf.
Production csg: 7", 26#, K-55, ST&C csg @ 6,719'. DV tool set @ 4,835'. Cmt'd 1st stage w/90 sx class B 50:50 poz w/6% gel, 2# med tuf plug/sx & 0.8% HALAD 9. Tailed in w/270 sx class B cmt. Cmt'd 2nd stage w/800 sx class B 50:50 poz w/6% gel, 2# med tuf plug/sx & 0.8% HALAD 9. Tailed in w/100 sx class B cmt. Did not circ cmt on either stage.
Tbg: DK: 2-1/16" perf sub, 1 jt 2-1/16", 3.25#, J-55, IJ tbg, F nipple, 18 jts 2-1/16", 3.25#, J-55, IJ tbg, 2-3/8" seal ass'bly, 6' X 2-1/16" sub, Baker L sliding sleeve, 2 jts 2-1/16", 3.25#, J-55, IJ tbg, 2.330" X 1.95" blast jts (1 - 10', 16 - 20'), 162 jts 2-1/16", 3.25#, J-55, IJ tbg, 2-1/16" subs (1 - 8', 2 - 10') & 1 jt 2-1/16", 3.25#, J-55, IJ tbg. EOT @ 6,626'. SN @ 6,187'.
GP: 2-3/8" OP perf sub, 1 jt 2-3/8", 4.7# , J-55, EUE 8rd tbg, SN, 188 jts 2-3/8", 4.7#, J-55, EUE 8rd tbg. EOT set @ 5,919'. SN set @ 5,880'
Perfs: DK fr/6,441'-47', 6,480'-86', 6,524'-65' & 6,588'-6,607' w/2 JSPF (ttl 206 0.4" holes)
GP fr/5,598'-5,607', 5,614'-18', 5,648'-58', 5,699'-5,717', 5,725'-30', 5,768'-5,819' & 5,867'-95' w/2 JSPF (ttl 250 0.38" holes)
Current Status: GP: 119 MCFPD, FTP 121 psig, SICP 240 psig.
DK: 73 MCFPD, FTP 138 psig.

1. Test anchors on location. Install or replace as necessary.
2. MIRU PU. Check and record tubing, casing, and bradenhead pressures.
3. MI 30 jts 2-3/8", 4.7#, J-55, EUE, 8rd tbg.
4. Blow well down and kill well w/2% KCl wtr.
5. ND WH. NU and pressure test BOP.
6. TOH w/2-3/8" tbg. TOH & LD 2-1/16" tbg. Inspect tbg, seal assbly & mule shoe for scale. If scale is found, test for solubility in 15% HCl acid.

Jack Frost B #2E
Workover Procedure
4/8/1999
SEC 27, T27N, R10W.
SAN JUAN COUNTY NEW MEXICO

7. PU Baker Model "CJ" pkr milling tool & 4 - 3-1/8" DC's. TIH w/mill, DC's & 2-3/8" tbg.
8. MIRU air/foam unit.
9. Mill out Model "D" pkr @ 5,982'. POH & LD DC's, mill & pkr.
10. TIH w/notched collar, standard API SN & 2-3/8" tbg to PBTD. Circ out fill, if any, w/air/foam unit.
11. RDMO air/foam unit.
12. If scale was found in step 6, spot 500 gals 15% HCl acid across perms & let acid soak over night.
13. PU & land tbg \pm 6,550'.
14. ND BOP. NU WH. Swab well in, if required. RDMO PU.
15. Set compressor and start up.
16. Test well as necessary. Report all gas, condensate & water volumes daily as required.
17. Evaluate well for plunger lift.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Farmington District Office
1235 La Plata Highway
Farmington, New Mexico 87401

April 25, 1996

RECEIVED
BLM
99 APR 12 PM 12:05
070 FARMINGTON, NM

IN REPLY REFER TO:

SF-077951-A

3162.3-2 (07327)

Pamela W. Staley
Amoco Production Company
P.O. Box 800, 1670 Broadway
Denver, Colorado 80201

Dear Ms. Staley:

We have reviewed your application to commingle production downhole from the Angels Peak Gallup and the Basin Dakota Pools in the following well:

Jack Frost "B" #2E
1630' FNL, 790' FEL, Section 27, T-27N, R-10W
San Juan County, New Mexico

The acreage dedicated to this well contains portions of Federal Lease SF-077951-A. There are no Communitization Agreements for production from this well. Production profiles from both formations were analyzed to determine if future allocation based on percentages would be equitable. Both formations have been declining at similar rates for the past year. Your Application and allocation method, are hereby approved as submitted, effective the date that actual commingling occurs. Approved allocation factors are:

Formation	Gas	Condensate
Angels Peak Gallup	32%	79%
Basin Dakota	68%	21%

If you have any questions regarding this correspondence, please contact Ray Hager at (505) 599-6366.

Sincerely,

Duane Spencer
Team Lead, Petroleum Management



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

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

99 APR 12 PM 12:05

ADMINISTRATIVE ORDER DHC-1257

070 FARMINGTON, NM

Amoco Production Company
P.O. Box 800
Denver, Colorado 80201-0800

Attention: Ms. Pamela Staley

*Jack Frost 'B' Well No. 2E (API No. 30-045-24100)
Unit II, Section 27, Township 27 North, Range 10 West, NMPM,
San Juan County, New Mexico.
Angles Peak Gallup (Associated - 2170) and
Basin Dakota (Prorated Gas - 71599) Pools*

Dear Ms. Staley:

Reference is made to your recent application for an exception to Rule 303.A. of the Division Rules and Regulations to permit the above described well to commingle production from the subject pools in the wellbore.

It appearing that the subject well qualifies for approval for such exception pursuant to the provisions of Rule 303.C., and that reservoir damage or waste will not result from such downhole commingling, and correlative rights will not be violated thereby, you are hereby authorized to commingle the production as described above and any Division Order which authorized the dual completion and required separation of the zones is hereby placed in abeyance.

In accordance with the provisions of Rule 303.C., the daily allowable producing rates from the subject well are hereby established as follows:

Oil 222 B/D	Gas 444 Mcf/D	Water 444 B/D
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Assignment of allowable to the well and allocation of production from the well shall be on the following basis:

Angles Peak Gallup Pool	Oil 79%	Gas 32%
Basin Dakota Pool	Oil 21%	Gas 68%

REMARKS: The operator shall notify the Aztec District Office of the Division upon implementation of the commingling process.

Administrative Order DHC-1257

Amoco Production Company

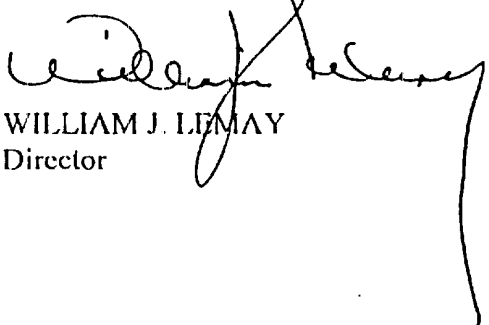
May 10, 1996

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Pursuant to Rule 303.II., the commingling authority granted herein may be rescinded by the Division Director if, in his opinion, conservation is not being best served by such commingling.

Approved at Santa Fe, New Mexico on this 10th day of May, 1996.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



WILLIAM J. LEMAY
Director

SEAL

WJL/BES

cc: Oil Conservation Division - Aztec
Bureau of Land Management - Farmington

