

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

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

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

WELL API NO. 30-045-29705
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Federal Gas Com H
8. Well No. #2
9. Pool name or Wildcat Fulcher Kutz PC
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 5464' GL

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: OIL WELL ☐ GAS WELL ☒ OTHER
2. Name of Operator Cross Timbers Operating Company
3. Address of Operator 2700 Farmington Ave., Bldg. K. Ste 1 Farmington, NM 87401
4. Well Location Unit Letter <u>G</u> : <u>2045</u> Feet From The <u>North</u> Line and <u>1685</u> Feet From The <u>East</u> Line Section <u>31</u> Township <u>30 N</u> Range <u>12 W</u> NMPM <u>San Juan</u> County
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 5464' GL

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER: Add Pictured Cliffs ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Cross Timbers request permission to complete the Pictured Cliff formation in addition to the Fruitland Coal formation per the attached procedure.

RECEIVED
OCT 15 1999
OIL CON. DIV.
DIST. 3

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

SIGNATURE Loren W. Fothergill TITLE Operations Engineer DATE 10/05/99
TYPE OR PRINT NAME Loren W. Fothergill TELEPHONE NO. 505 324 1090

(This space for State Use)

APPROVED BY Ernie Busch TITLE DEPUTY OIL & GAS INSPECTOR, DIST. 3 DATE 10-18-99
CONDITIONS OF APPROVAL, IF ANY:

FEDERAL GAS COM H #2
SEC 31, T 30 N, R 12W
SAN JUAN COUNTY, NEW MEXICO

Formation: Pictured Cliffs & Fruitland Coal
Surface csg: 7", 23#, J-55, ST&C csg @ 122'. Cmt'd w/90sx class B cmt w/2% CaCl₂ & 1/4#/sx celloflakes. Circ cmt to surf.
Production csg: 4-1/2", 10.5#, J-55, ST&C csg @ 1,632'. FC set @ 1,587'. Marker jt @ 1,413'-53'. Cmt'd w/100 sx class B 35:65 Poz w/6% gel, 5#/sx gilsonite & 1/4 #/sx celloflakes. Tailed in w/100 sx class B w/5#/sx gilsonite & 1/4 #/sx celloflakes. Circ 17 sx cmt to surf. PBTD 1,564' KB.
Tbg:
Perfs:
Current Status: WO completion.

1. MIRU Cementers Inc. Press test csg to 4,000 psig.
2. Set 2 - 400 bbl frac tnks & fill w/2% KCl wtr.
3. Install 4-1/2" full opening frac valve.
4. RU WL. Run GR/CCL fr/1,587' (PBTD) to surface.
5. Perf PC w/3-1/8" gun fr/1,520'-30' w/2 JSPF (10' net pay, 21 - 0.33" diam holes).
6. bd pc perfs & eir w/2% KCl wtr.
7. Frac PC perfs fr/1,520'-30' w/16,700 gals 70 Q foamed, borate x-linked, gelled, 2% KCl wtr carrying 30,000# 20/40 Arizona sd @ 25 BPM & 4,000 psig (max) per attached frac schedule.

Stage	70 Q Foam	Proppant
Pad	4,000 gals	
1 PPG	4,000 gals	20/40 Az sd
2 PPG	3,000 gals	20/40 Az sd
3 PPG	2,800 gals	20/40 Az sd
4 PPG	2,900 gals	20/40 Az sd
Flush	2,380 gals Linear gel	30,000 20/40 Az sd

8. MIRU PU w/pmp & pit. MI $\pm$ 1,600' 2-3/8", 4.7#, J-55, EUE, 8rd tbg. PU & TIH w/notched collar, SN & 2-3/8" tbg. CO to PBTD @ 1,587'.
9. PU & land tbg @ 1,525'.
10. Swab well in. Flw well to prod pit. Rpt rates and pressures to Loren Fothergill. RDMO PU.
11. Produce PC until production stabilizes or a minimum 1 month & upon approval of DHC of FC & PC fmt.

12. Set 6- 400 bbl frac tnks & fill w/fresh wtr.
13. MIRU PU w/pmp & pit.
14. MIRU WL. Set 4-1/2" RBP on WL @ 1,515' (Chk CCL log to ensure RBP not set in csg collar).
15. Perf FC w/3-1/8" gun fr/1,504'-1,478' & 1,468-64' w/4 JSPF (30' net pay, 120 – 0.36" holes).
16. BD FC perfs & EIR w/fresh wtr.
17. Frac perfs fr/1,464'-1,504' w/72,200 gals borate x-linked, gelled, fresh wtr carrying 146,000# 16/30 Brady sd @ 60 BPM & 4,000 psig (max) per attached frac schedule.

Stage	Fluid X –linked gel	Proppant
Pad	25,000 gals	
1 PPG	11,000 gals	16/30 Brady sd
2 PPG	10,000 gals	16/30 Brady sd
3 PPG	6,000 gals	16/30 Brady sd
4 PPG	5,000 gals	16/30 Brady sd
5 PPG	5,200 gals	16/30 Brady sd
6 PPG	10,000 gals	16/30 Brady sd
Flush	2,520 gals Linear gel	156,000# 16/30 Brady sd

18. Shut well in 2 hrs. Flw back csg on ck manifold to pit. Start with 10/64" ck. If sd production is minimal increase ck size until sd production increases.
19. MIRU PU w/pmp& pit. MI $\pm$ 1,600' 2-3/8", 4.7#, J-55, EUE, 8rd tbg. PU & TIH w/notched collar, SN & 2-3/8" tbg. CO to RBP @ 1,400'.
20. PU & land tbg @ 1,250'.
21. Swab well in. Flw well to prod pit. Rpt rates and pressures to Loren Fothergill. RDMO PU.
22. Test as necessary.
23. MIRU PU w/pmp, pit & pwr swivel.
24. TOH w/tbg.
25. PU retrieving head & 2-3/8" tbg. TIH & CO sd on RBP. Retrieve RBP.
26. TOH w/RBP & tbg. TIH w/hydrostatic bailer & tbg. CO to PBTD @ 1,587'.
27. TOH w/tbg & bailer.
28. TIH w/2-3/8" OPMA, 2-3/8" x 6' perf sub, SN, 2-3/8" tbg. Set tbg @ $\pm$ 1,450'.
29. Swab well in until sd flow back quantity is determined.

30. TIH w/1-1/2" pmp & 58 - 3/4" Norris grade D rods w/FH "T" cplgs.

31. HWO. RDMO PU.

32. Install ppg unit. Std ppg unit.

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District I
PO Box 1980, Hobbs, NM 88241-1980

District II
PO Drawer 00, Artesia, NM 88211-0719

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

99 OCT -8 PM 3:30 RECEIVED BLM

070 FARMINGTON, NM

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number		*Pool Code 71629 / 77200	*Pool Name BASIN FRUITLAND COAL/FULCHER KUTZ PICTURED CLIFFS
*Property Code	*Property Name FEDERAL GAS COM H		*Well Number 2
*GRID No. 167067	*Operator Name CROSS TIMBERS OPERATING COMPANY		*Elevation 5464'

10 Surface Location

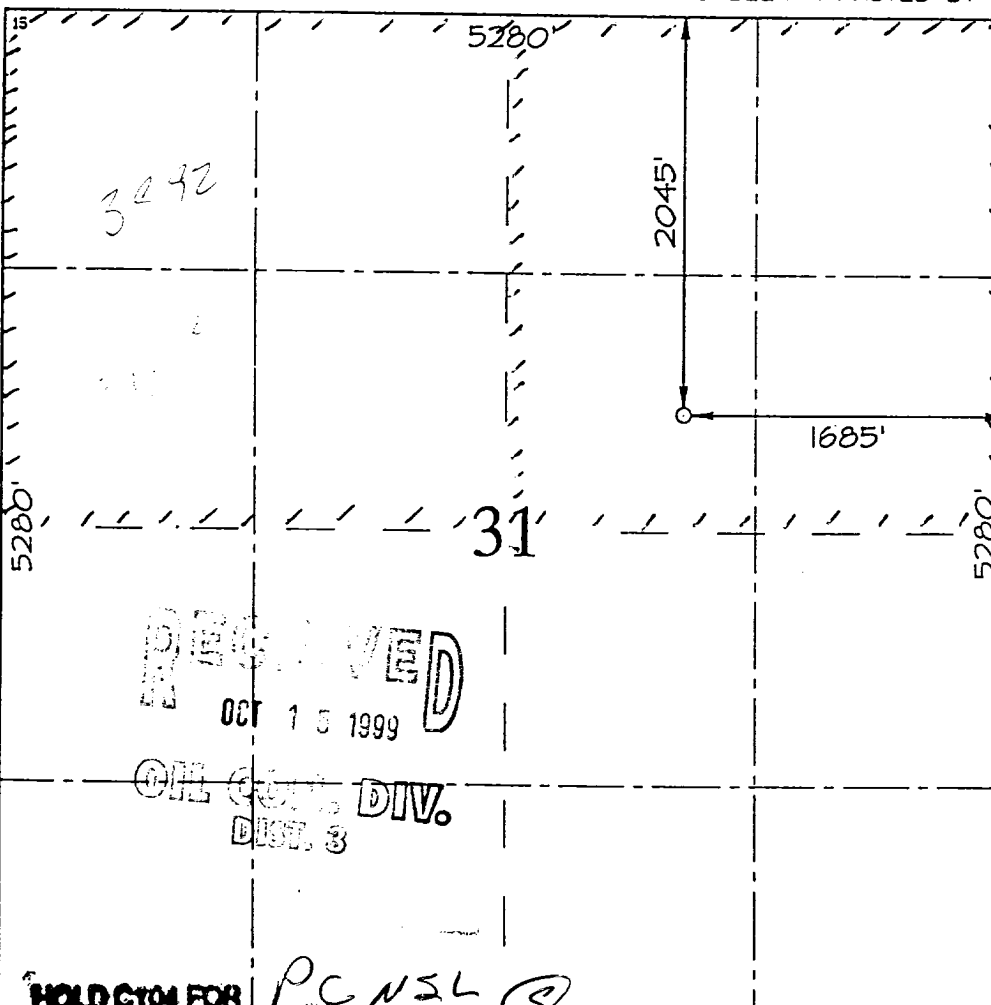
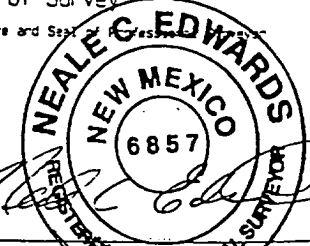
UL or lot no. G	Section 31	Township 30N	Range 12W	Lot Ion	Feet from the 2045	North/South line NORTH	Feet from the 1685	East/West line EAST	County SAN JUAN
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11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ion	Feet from the	North/South line	Feet from the	East/West line	County
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12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <i>Loren W. Fothergill</i> Signature Loren W. Fothergill Printed Name Production Engineer Title 10-05-99 Date
	18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief. SEPTEMBER 14, 1998 Date of Survey Signature and Seal of Surveyor 

RECEIVED OCT 15 1999 OIL CONSERV. DIV. DIST. 3

HOLD C104 FOR PCNSL @