

DISTRICT I
PO Box 1980, Hobbs, NM 88240

DISTRICT II
PO Box DD, Artesia, NM 88210

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

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

p.o. Box 2088
Santa Fe, NM 87504-2088

ORIGINAL

Form C-101
Revised February 21, 1994

Instructions on back
Submit to Appropriate District Office

State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEPEN, PLUGBACK, OR ADD A ZONE

1. OPERATOR NAME AND ADDRESS Cross Timbers Operating Company 3000 North Garfield, Suite 175 Midland, Texas 79705		2. OGRID NUMBER 167087 <i>5580 167067</i>
4. PROPERTY CODE 022394 <i>23588</i>	5. PROPERTY NAME Cuesia State Corn	3. API NUMBER 30-0 <i>45-29644</i>
		6. WELL NUMBER 7

RECEIVED
JUL 30 1998
OIL CON. DIV.
DIST. 3

8. SURFACE LOCATION

U/I or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	32	27N	8W		1565	SOUTH	1620	WEST	SAN JUAN

8. PROPOSED BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE

U/I or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

9. Proposed Pool 1
Basin Fruitland Coal 71629

10. Proposed Pool 2

11. Work Type Code N	12/ Well Type Code G	13. Cable/Rotary ROTARY	14. Lease Type Code STATE	15. Ground Level Elevation 6279'
16. Multiple NO	17. Proposed Depth 2,300'	18. Formation BASIN FRUITLAND COAL	19. Contractor	20. Spud Date ASAP

21. Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
8 3/4"	7"	20#, H-40, STC	300'	80	SURFACE
6 1/4"	4 1/2"	10.5#, J-55, STC	2,300'	100	<i>300'</i> <i>Surface</i>

22. Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Casing/Cement Program to 300': 80 sacks Class B cement containing 2% CACI2, 1/4 PPS celloflake. Circulate to surface.

Casing/Cement Program to 2,300': 100 sacks of 35/65/6 Poz cement containing 6% gel, 5 PPS Gilsonite, 1/4 PPS celloflake, followed by 100 sacks of Class G cement containing 5 PPS gilsonite, 1/4 PPS celloflake.

A rig equipped with a double BOP will be used.

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

Signature:

Printed Name: Gary Markestad

Title: Vice President, Production

Date: 7/30/98

Phone: (505) 632-5200

OIL CONSERVATION DIVISION

APPROVED BY:

TITLE:

Approval:

Conditions of Approval:

Attached:

8-4-98
Ernie Bunch
DEPUTY OIL & GAS INSPECTOR, DIST. #3

AUG 4 1998

Expiration Date:

AUG 4 1999

4/17/00

Jeff Albers says

Cox of Crow-Timber

says this is West 1/2
dedication instead
of South.

Check this out

5/2/00

called + left 11:51 AM

to Portland

5/2/00

Lynn Fonkey called + said

this acreage belongs to the

W/2 + S/2 of Timber

and she said that the

owner said her to be paid

to correct the title

to acreage to 100

ASK Timber

Grant said for her to send in
new plan

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

District II
PO Drawer DD, 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
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Santa Fe, NM 87504-2088

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Revised February 21, 1994
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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-29644		*Pool Code 71629	*Pool Name BASIN FRUITLAND COAL
*Property Code 022394	*Property Name CUCCIA STATE COM		*Well Number 7
UGRID No. 167067	*Operator Name CROSS TIMBERS OPERATING COMPANY		*Elevation 6279'

¹⁰ Surface Location

UL or lot no. K	Section 32	Township 27N	Range 8W	Lot Idn	Feet from the 1565	North/South line SOUTH	Feet from the 1620	East/West line WEST	County SAN JUAN
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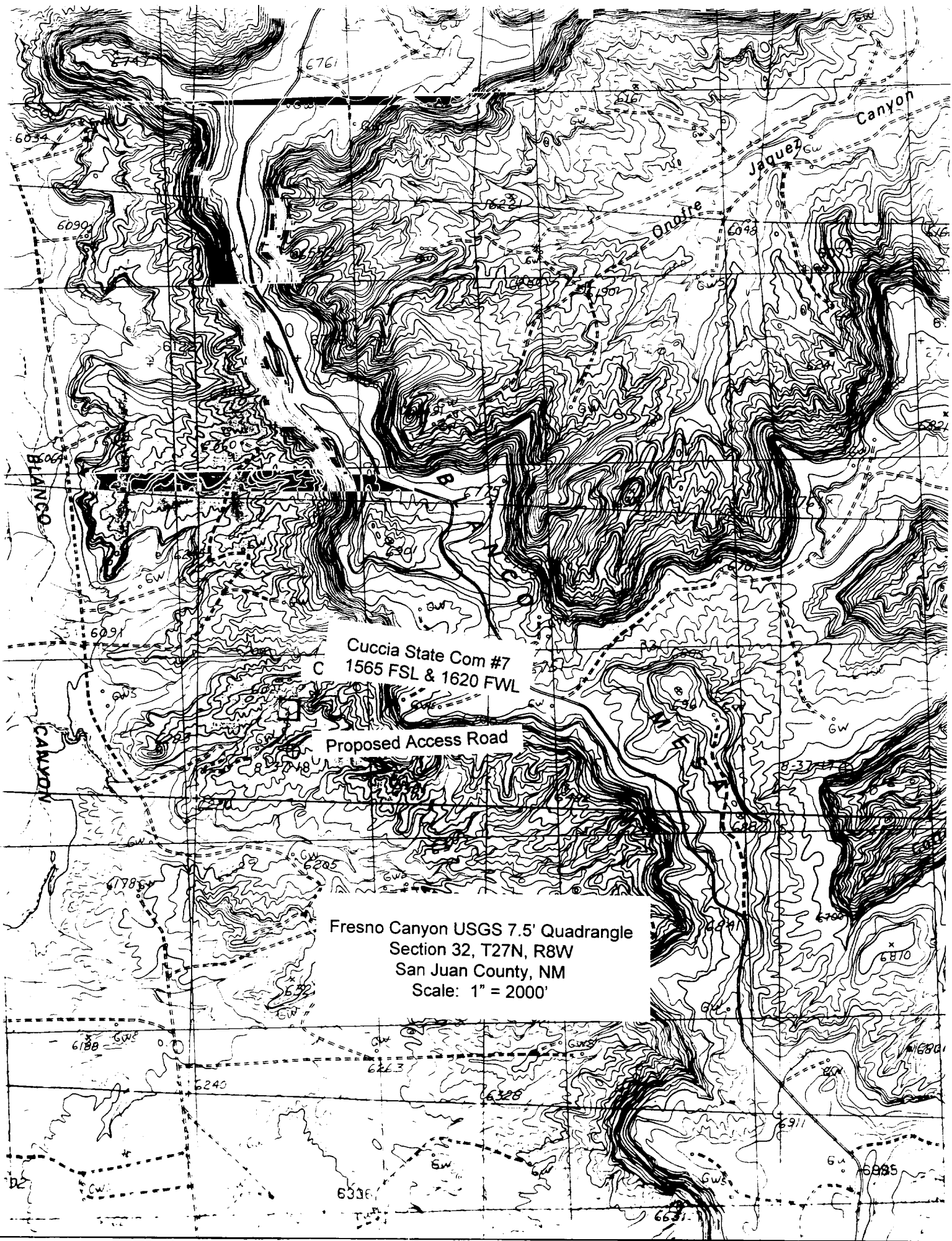
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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¹² Dedicated Acres 320	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

¹⁵ 5151.96'		RECEIVED JUL 30 1998 OIL CON. DIV. DIST. 3	RECEIVED JUL 29 1998 OIL CON. DIV. DIST. 3	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature: <i>Gregory J. Markert</i> Printed Name: <i>Gregory L. Markert</i> Title: <i>VP Operations</i> Date: <i>7/24/98</i>	
5321.58'				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. JULY 14, 1998 Date of Survey Signature and Seal of Professional: <i>Neale C. Edwards</i> Certificate Number: <i>6857</i>	
5324.78'		32			
5134.14'					

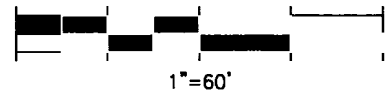
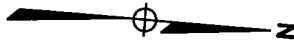
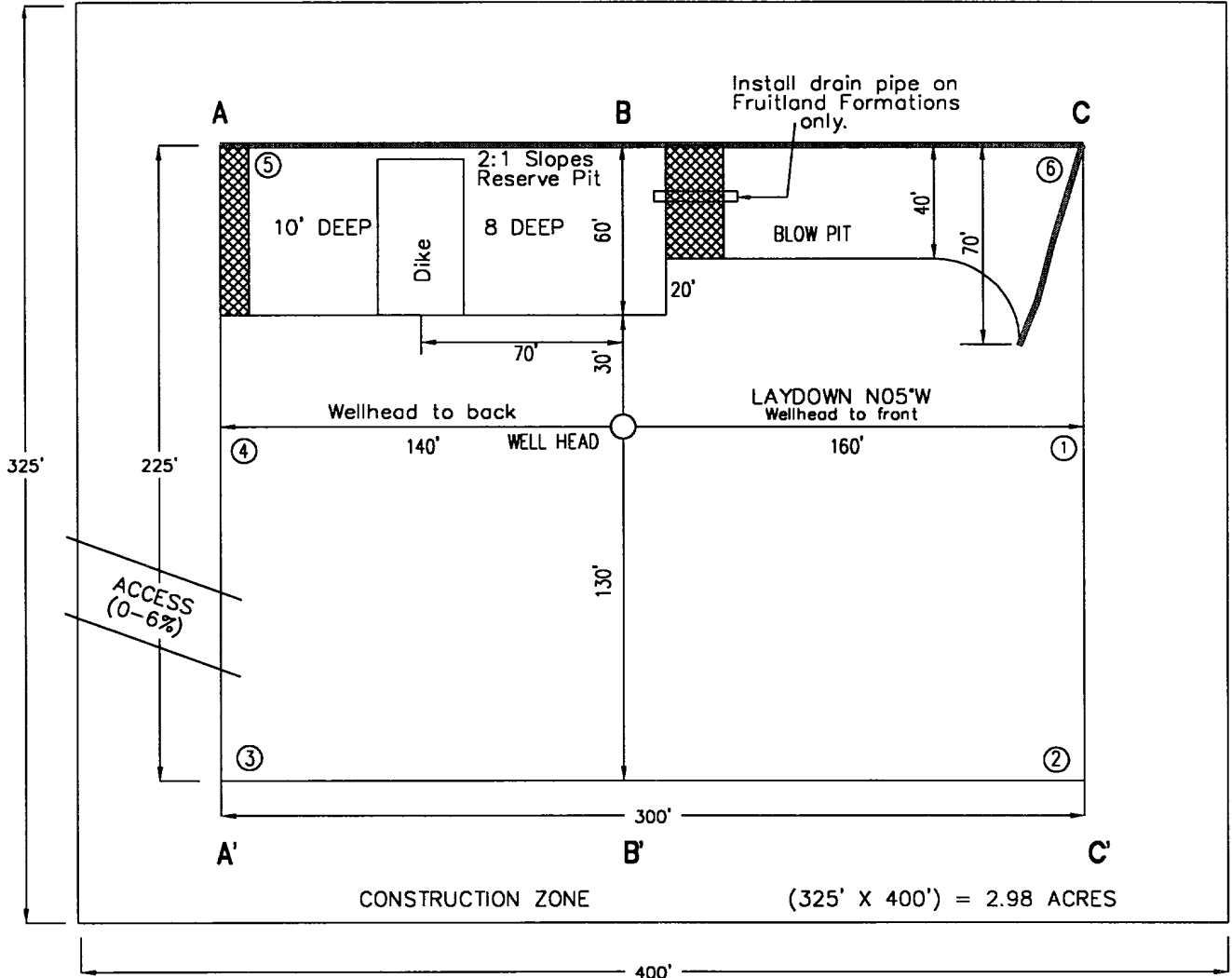





Cuccia State Com #7
1565 FSL & 1620 FWL

Proposed Access Road

Fresno Canyon USGS 7.5' Quadrangle
Section 32, T27N, R8W
San Juan County, NM
Scale: 1" = 2000'

CUCCIA STATE COM #7
NE SW, SEC. 32, T 27 N, R 8 W
1565' FSL, 1620' FWL
SAN JUAN COUNTY, NEW MEXICO



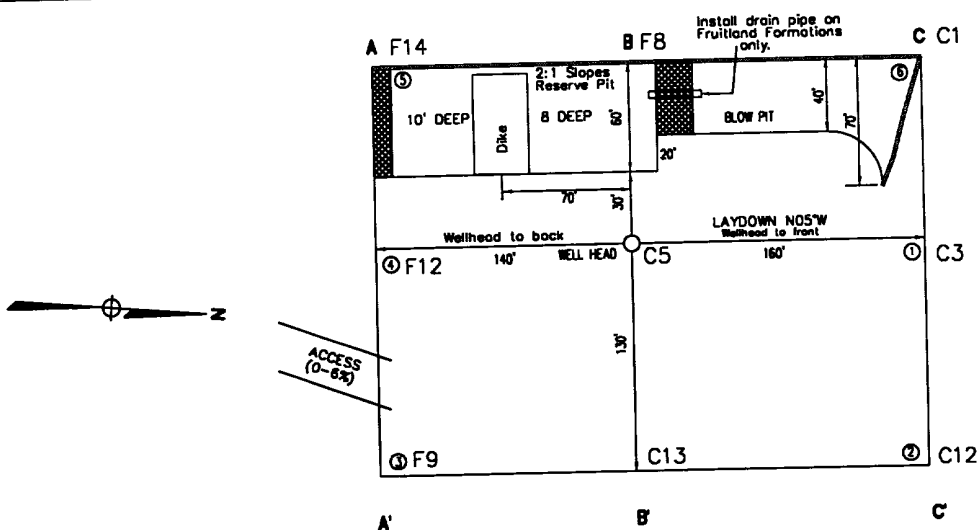
CLIENT	 Cross Timbers Operating Company		WELLSITE LAYOUT EXHIBIT B.1	
DATE SURVEYED: 7/14/98	REVISION DATE:	DRAWN BY: J. RAY	DATE DRAWN: 7/23/98	FILE NAME: CUCCIA7-1
SURVEYED BY  NCE SURVEYS, INC.		P.O. BOX 6612 FARMINGTON, NEW MEXICO (505) 325-2654		PREPARED BY  TRIGON SHEEHAN ENGINEERS & CONSTRUCTORS

CLIENT LOCATION: FARMINGTON, NEW MEXICO LEASE: CUCCIA STATE COM #7

FOOTAGE: 1565' FSL, 1620 FWL SEC. 32, T 27 N, R 8 W

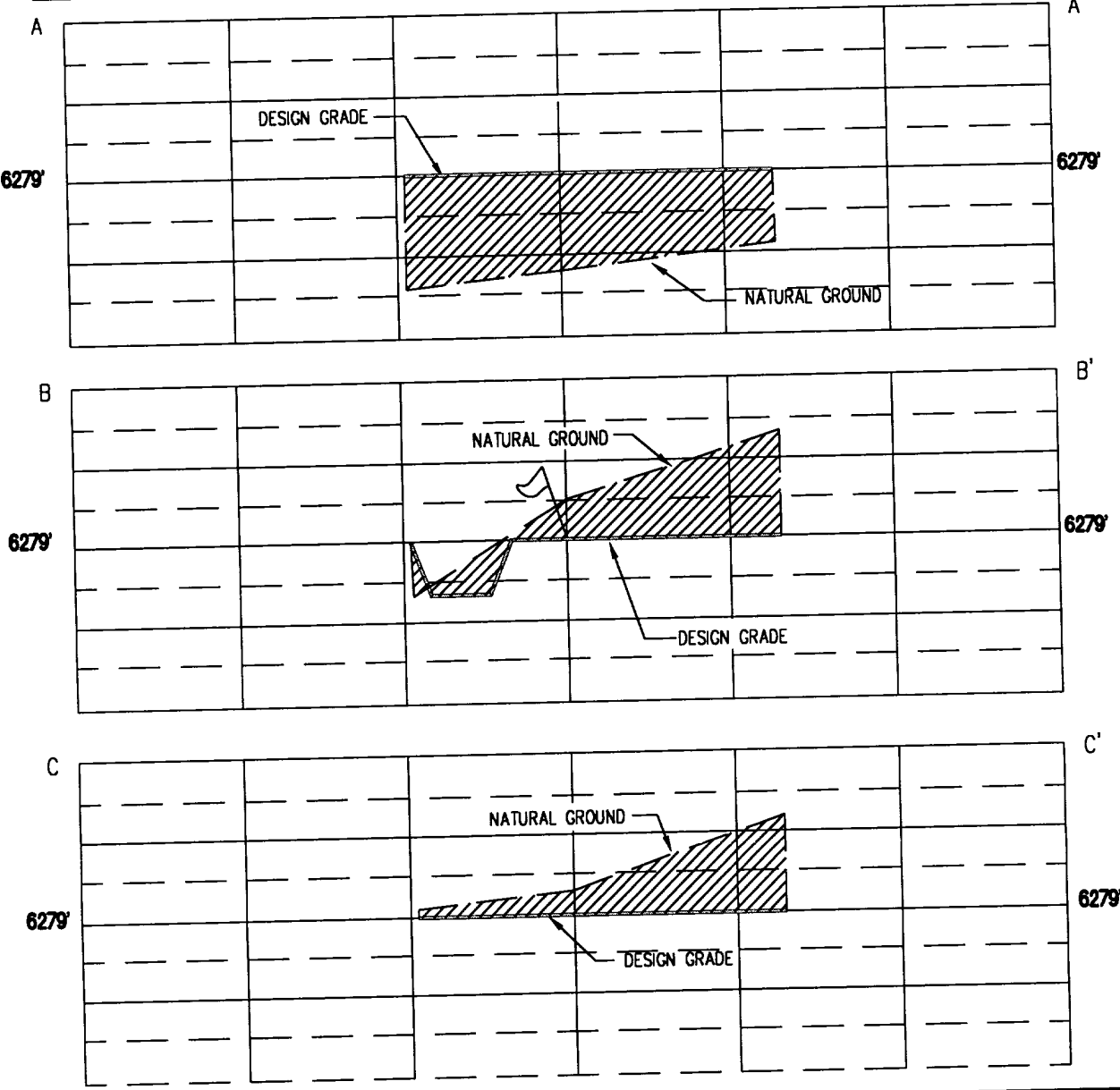
DESIGNED ELEVATION: 6279' COUNTY: SAN JUAN COUNTY, NEW MEXICO

EXHIBIT B



HORIZ. SCALE: 1" = 100'
VERT. SCALE: 1" = 20'

CROSS SECTIONS



CLIENT		Cross Timbers Operating Company		DESCRIPTION		WELLSITE LOCATION LAYOUT AND CROSS SECTIONS	
DATE SURVEYED: 7/14/98	REVISION DATE:	DRAWN BY: J. RAY	DATE DRAWN: 7/23/98	FILE NAME: CUCCIA7-2			
SURVEYED BY: NCE SURVEYS, INC.	P.O. BOX 6612 FARMINGTON, NEW MEXICO (505) 325-2654	PREPARED BY: TRIGON SHEEHAN ENGINEERS & CONSTRUCTORS					

WELL NAME AND NUMBER CUCCIA STATE COM # 7

LOCATION 32 27N 8W; SAN JUAN COUNTY, NEW MEXICO

OPERATOR CROSS TIMBERS OPERATING CO.

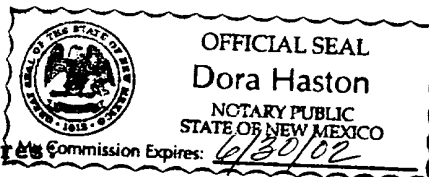
DRILLING CONTRACTOR AZTEC WELL SERVICING CO., INC.

[illegible]

Drilling Contractor AZTEC WELL SERVICING CO., INC

By James C. Smith

Subscribed and sworn to before me this 14th day of January, 1999



My Commission Expires 6/30/02

6/30/02

Notary Public

San Juan County, New Mexico

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

OIL CONSERVATION DIVISION

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

2040 Pacheco St.
Santa Fe, NM 87505

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

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

WELL API NO.

3004529644

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Cuccia State Com

8. Well No.

#7

9. Pool name or Wildcat

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 K : 1565 Feet From The South Line and 1620 Feet From The West Line

Section

32

Township

27N

Range

08W

NMPM

San Juan, NM

County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

6279 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: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐

PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: Completion ☒

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.

1-7-99 MIRU PU. PU tbg & TIH. CO & circ hole to PBTD (2,219'). RU pmp trk. Free tst csg to 3,000 psig for 5". Held OK. TOH. MI WL. RIH w/GR & CCL. RIH w/perf gun. Perf'd upper & lower FC fr/2,140'-2,050' (18 holes).

1-8-99 TIH w/ pkr & tbg. RU acid crew. Acidize perms w/500 gals 15% HCl acid & 40 balls. BD fmt @ 1,800 psig. Knocked balls loose w/ pkr. TOH. RU frac crew. Frac'd FC fmt w/47615 gals 60Q x/1 foam, 7500# 40/70 sd & 122000# 16/30 sd. AIR 43 BPM (foam). ATP 3200 psig. Well screened out going to flush. Started flowback 4 hrs after frac. Well died 3 hrs into flowback.

1-9-99 TIH w/10 jts tbg. Tagged sd bridge. CO sd bridge. Well KO flwg to pit. Well left flowing to pit over weekend.

1-12-99 TIH & CO sd fill to PBTD. Circ on btm for 3 hrs w/air/foam. Landed tbg w/regular collar, SN & 65 jts 2-3/8" tbg. Landed EOT @ 2,072' KB. RDMO PU.

1-18-99 Flow tst well thru meter run w/0.5" orifice plate. Interated chart vol 133 MCFPD.

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

SIGNATURE

TITLE Production Engineer

DATE 1/21/99

TYPE OR PRINT NAME Jeffery W. Patton

TELEPHONE NO. 505-324-1090

(This space for State Use)

ORIGINAL SIGNATURE OF CHARLETT PERDUE

DEPUTY OIL & GAS INSPECTOR DIST. 43

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

JAN 21 1999

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-105
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

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

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

WELL API NO.

3004529644

5. Indicate Type Of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐

b. Type of Completion:
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐ 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 K : 1565 Feet From The South Line and 1620 Feet From The West Line

Section 32 Township 27N Range 08W NMPM San Juan County

10. Date Spudded 12-14-98 11. Date T.D. Reached 12-18-98 12. Date Compl.(Ready to Prod.) 1-13-99 13. Elevations(DF & RKB, RT, GR, etc.) 6279 GR 14. Elev. Casinghead

15. Total Depth 2,300' KB 16. Plug Back T.D. 2,237' KB 17. If Multiple Compl. How Many Zones? 1 18. Intervals Drilled By 0'-2,300' Rotary Tools Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name 2,050'-2,140' Upper & Lower Fruitland Coal 20. Was Directional Survey Made yes

21. Type Electric and Other Logs Run SP, GR, CCL, Litho Density & Array Induction 22. Was Well Cored no

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
7"	23#/ft	131'	8-3/4"	80 sx c1 B to surf.	
4-1/2"	10.5#/ft	2,279'	6-1/4"	150 sx 65/35/6 & 100 sx c1 B circ to surf.	

LINER RECORD				TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SIZE	DEPTH SET	PACKER SET
				2-3/8"	2,072'	n/a

26. Perforation record (interval, size, and number)

2140', 2138', 2136', 2134', 2132', 2128', 2126', 2124', 2120', 2118', 2066', 2064', 2062', 2060', 2058', 2045', 2052', 2050'. 18 holes 0.34" dia

27. ACID, SHOT, FRACTURE, CEMENT, SOEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
	A. 500 gals 15% HCl acid
	F. w/46715 gals 60Q x/1 foam, 7500
	# 40/70, 122,000# 16/30 sand

PRODUCTION

Date First Production Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing Well Status (Prod. or Shut-in) SI

Date of Test 1/18/99 Hours Tested 45 min Choke Size 1/2" Prod'n For Test Period 0 Oil - Bbl. 0 Gas - MCF 4 MCF Water - Bbl. 0.5 Gas - Oil Ratio

Flow Tubing Press. 50 psig Casing Pressure 210 psig Calculated 24-Hour Rate 0 bbls Oil - Bbl. 133 MCFPD Gas - MCF 12 bbls Water - Bbl. Oil Gravity - API (Corr.)

29. Disposition of Gas (Sold, used for fuel, vented, etc.) To be sold Test Witnessed By Dusty Mecham

30. List Attachments

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature

Printed Name

Jeffery W Patton

Title

Prod Engineer

Date 1-15-99

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE
Southeastern New Mexico

Southeastern New Mexico

Northeastern New Mexico

		Northeastern New Mexico	
T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____ <u>1389</u>	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____ <u>1466</u>	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs _____ <u>2158</u>	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Otzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Delaware Sand _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Bone Springs _____	T. Entrada _____	T. _____
T. Abo _____	T. _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn _____	T. _____	T. Permain _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from to
No. 2, from to
No. 3, from to
No. 4, from to

IMPORTANT WATER SANDS

IMPORTANT WATER SA
Include data on rate of water inflow and elevation to which water rose in hole.
No. 1. from

No. 1, from.....tofeet

No. 2, from.....tofeet

No. 3, from.....tofeet

LITHOLOGY RECORD (Attach additional sheet if necessary)

LITHOLOGY RECORD (Attach additional sheet if necessary)			
From	To	Thickness in Feet	Lithology