

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Cross Timbers Operating Company

3. ADDRESS AND TELEPHONE NO.

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

990' FSL & 725' FEL Sec 27, T28N, R04W

At proposed prod. zone

same as above

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE

Approx 49 from the Post Office in Blanco, NM.

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any) 725'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

80'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

7,219' Ground Level

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	32.3#	+/- 400'	215 sx cl B cmt
8-3/4"	7"	20.0#	+/- 4,500'	500 sx cmt (total)
6-1/4"	4-1/2"	10.5#	+/- 6,600'	200 sx cmt (total)

This section is subject to technical and
procedural review pursuant to 43 CFR 3165.3
and appeal pursuant to 43 CFR 3165.4.

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

Surface Csg: Cmt 9-5/8" surf csg @ +/- 400'. Cmt w/215 sx cl B cmt w/2% CaCl2 & 1/4 pps
celloflake (mixed @ 15.6 ppg & 1.18 cuft/sx). Attempt to circ cmt to surface.

Intermediate Csg: Cmt 7" csg @ +/- 4,500'. Cmt w/(lead) 400 sx cl B cmt w/2% D-79 extender, 1/4
pps celloflake, 2% CaCl2 (mixed @ 11.4 ppg & 2.87 cuft/sx) followed by (tail) 100 sx cl B cmt w/2%
D-79 extender, 1/4 pps celloflake & 2% CaCl2 (mixed @ 13.5 ppg & 1.71 cuft/sx). Attempt to circ cmt
to surface.

Production Csg: Cmt 4-1/2" csg @ +/- 6,600'. Cmt w/(lead) 50 sx cl B cmt w/2% D-79 extender, 1/4
pps celloflake & 2% CaCl2 (mixed @ 11.4 ppg & 2.87 cuft/sx) followed by (tail) 150 sx cl B w/2% D-79
extender, 1/4 pps celloflake & 2% CaCl2 (mixed @ 13.5 ppg & 1.71 cuft/sx). Est TOC @ 4,000'.

A BOP stack diagram is included in the drilling prog located in exhibit #5.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or
deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

TITLE Drilling Engineer

DATE 7/10/00

(This space for Federal or State office use)

PERMIT NO.

/s/ Jim Lovato

APPROVAL DATE

Application approval 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.
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

/s/ Jim Lovato

TITLE

DATE

SEP 21 2000

*See Instructions On Reverse Side

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.

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
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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-26524		*Pool Code 72319	*Pool Name BLANCO MESAVERDE
*Property Code 23849	*Property Name VALENCIA CANYON		*Well Number 43A
*GRID No. 167067	*Operator Name CROSS TIMBERS OPERATING COMPANY		*Elevation 7219'

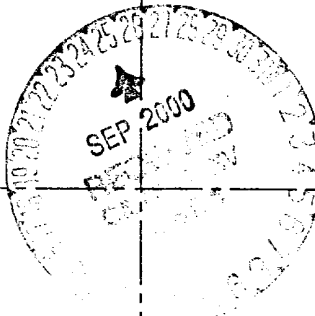
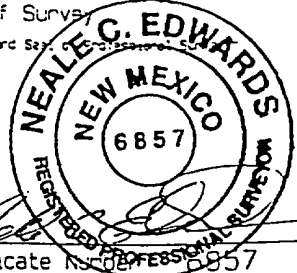
¹⁰ Surface Location

UL or lot no. P	Section 27	Township 28N	Range 4W	Lot Ion	Feet from the 990	North/South line SOUTH	Feet from the 725	East/West line EAST	County RIO ARriba
--------------------	---------------	-----------------	-------------	---------	----------------------	---------------------------	----------------------	------------------------	----------------------

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
¹² Dedicated Acres 320 3/2		¹³ Joint or Infill I		¹⁴ Consolidation Code		¹⁵ Order No.			

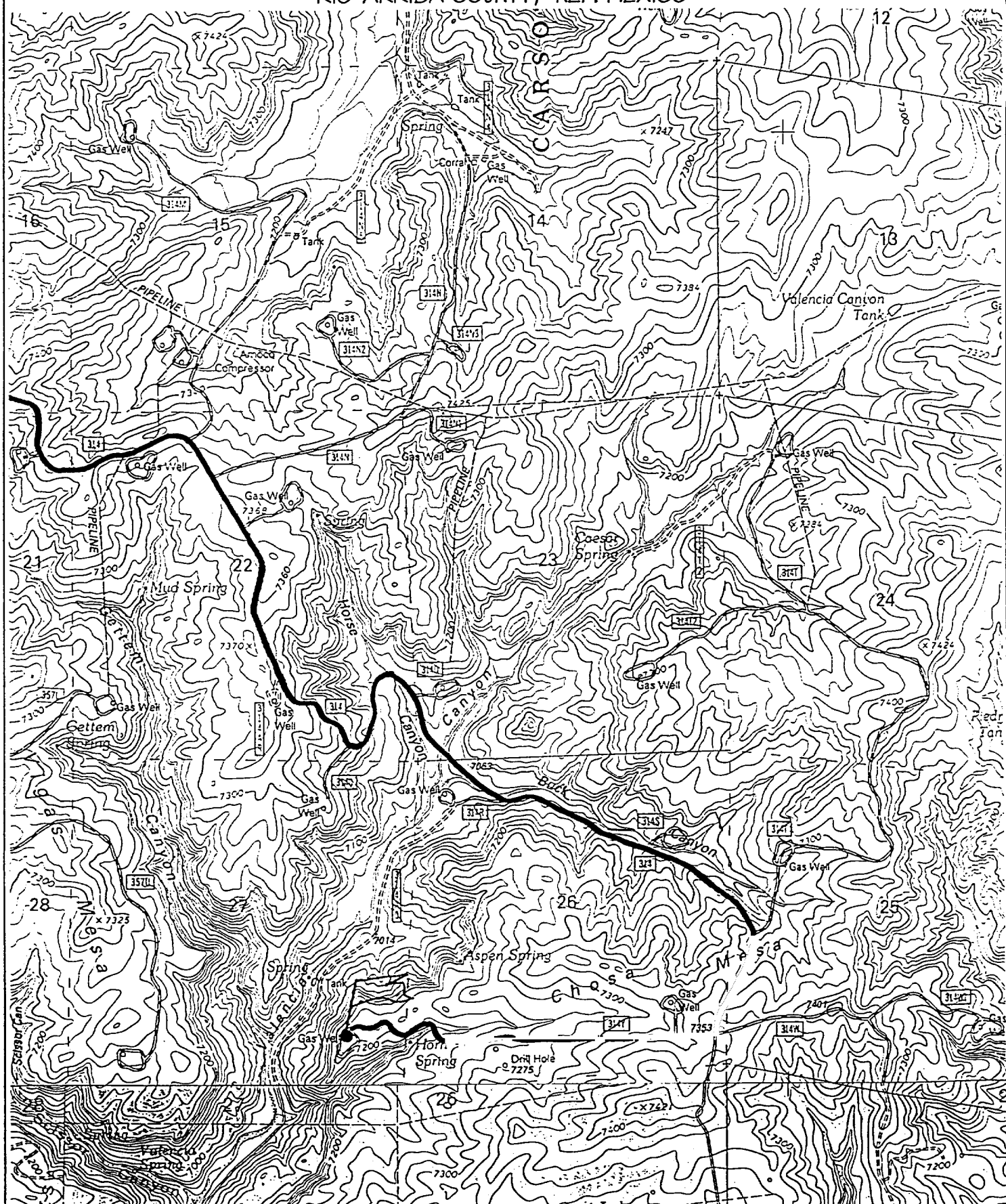
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

¹⁵ 5272.08' 5280.00' 27 5266.80' 725' 990'		¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.
		Signature Jeff Patton Printed Name Production Engineer Title 6/30/00 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.		
MAY 18, 2000 Date of Survey Signature and Seal of Surveyor  Certificate Number 6857		

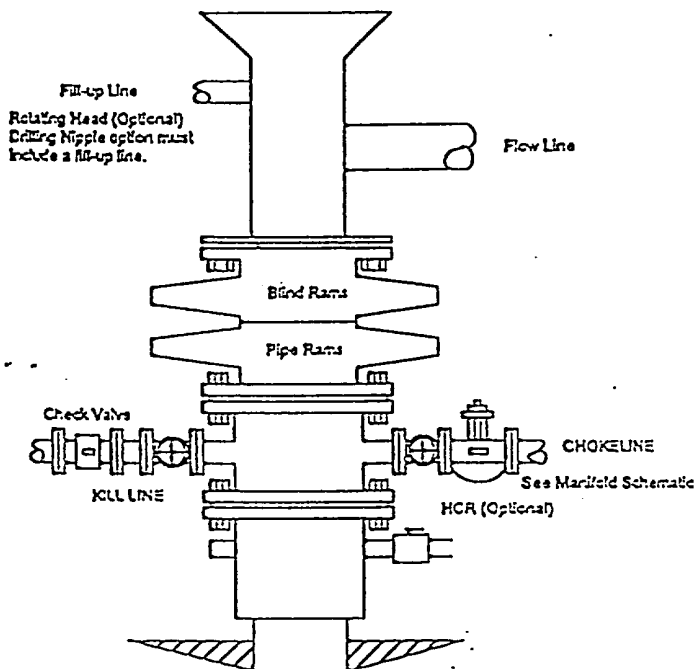
CROSS TIMBERS OPERATING COMPANY VALENCIA CANYON #43A

990' FSL & 725' FEL, SECTION 27, T28N, R4W, N.M.P.M.

RIO ARRIBA COUNTY, NEW MEXICO



BOPE SCHEMATIC FOR DRILLING OPERATIONS
CLASS 1 - NORMAL PRESSURE
CROSS TIMBERS OPERATING COMPANY STANDARD



CHOKES MANIFOLD SCHEMATIC FOR DRILLING OPERATIONS
2M SERVICE
CROSS TIMBERS OPERATING COMPANY STANDARD

