

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

1,960' FSL & 1,835' FWL Sec 33, T30N, R10W

At proposed prod. zone

same

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

See enclosed surface use program

15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drilg. unit line, if any)

1,835'

16. NO. OF ACRES IN LEASE

320

17. NO. OF ACRES ASSIGNED
TO THIS WELL

321.48

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

1,133'

19. PROPOSED DEPTH

5,100'

20. ROTARY OR CABLE TOOLS

0'-5,100' w/Rotary Tools

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

6,057' GL

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

22. APPROX. DATE WORK WILL START*

Fall of 2000

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8", J-55	24#	400'	275 sx cl "B"
7-7/8"	4-1/2", J-55	10.5#	5,100'	Lead: 475 sx cl "B" w/2% Extender Tail: 475 sx cl "B" w/2% Extender

Surface: 8-5/8", 24#, J-55, STC csg set @ 400'. Will cmt w/275 sx cl "B" cmt w/2% CC & 1/4#/sx celloflake (15.6 ppg, 1.19 cuft/sx). Circ cmt to surface.

Production: 4-1/2", 10.5#, J-55, STC csg set @ 5,100'. Will cmt w/(lead) 475 sx cl "B" w/2% extender, 1/4#/sx celloflake & 2% CC (11.4 ppg, 2.87 cuft/sx) followed by (tail) 475 sx cl "B" w/2% extender, 1/4#/sx celloflake & 2% CC (13.5 ppg, 1.71 cuft/sx).

Final cmt volumes will be obtained fr/caliper logs + 30%.

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

A standard BOP (w/pipe & blind rams) & choke manifold arrangement will be used.

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 EngineerDATE 7/10/00

(This space for Federal or State office use)

PERMIT NO.

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

TITLE

DATE

*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.

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 <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. SF - 078204
2. Name of Operator Cross Timbers Operating Company		6. If Indian, Allottee or Tribe Name
3a. Address 2700 Farmington Ave., Bldg. K, Ste 1 Farmington, NM 87401	3b. Phone No. (include area code) 505-262-0000	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1,960' FSL & 1,835' FWL Sec 33, T30N, R10W		8. Well Name and No. Bassett Com #1B
		9. API Well No. 30-045-30302
		10. Field and Pool, or Exploratory Area Blanco Mesaverde Aztec Pictured Cliffs
		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	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input checked="" 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 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.)

Upon further geological analysis, Cross Timbers Operating Co. will also add the Pictured Cliffs formation to the above mentioned well.

Currently, the APD for this well is awaiting approval.

In order to cover the PC with a completion grade cement, the tail volume might need to be adjusted slightly. The cement type and additives will not be changed. The actual tail volume will be determined from the open hole caliper log.

A copy of the new C-102 is enclosed for your review.

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) JW Patton	Title Drilling Engineer
	Date 7/26/00

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by /s/ Jim Lovato	Title	Date SEP - 1 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.

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

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

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number 30-045-30302	'Pool Code 72319 / 71280	'Pool Name BLANCO MESAVERDE / AZTEC PICTURED CLIFFS	
'Property Code 22589	'Property Name BASSETT COM		'Well Number 1B
'OGRID No. 167067	'Operator Name CROSS TIMBERS OPERATING COMPANY		'Elevation 6057' -

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	33	30N	10W		1960	SOUTH	1835	WEST	SAN JUAN

¹¹Bottom 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
¹² Dedicated Acres mv 321.48	PC 160.36	¹³ Joint or Infill	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

				17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
				Signature <u>Jeff Patton</u> Printed Name <u>Jeff Patton</u> Title <u>Production Engineer</u> Date <u>7/24/00</u>	
				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.	
				Date of Survey <u>MARCH 21, 2000</u> Signature and Seal	
				Certificate No. <u>6857</u>	

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 30-045-30302	*Pool Code 72319	*Pool Name BLANCO MESAVERDE
*Property Code 22589	*Property Name BASSETT COM	*Well Number 1B
*OGRID No. 167067	*Operator Name CROSS TIMBERS OPERATING COMPANY	*Elevation 6057'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	33	30N	10W		1960	SOUTH	1835	WEST	SAN JUAN

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

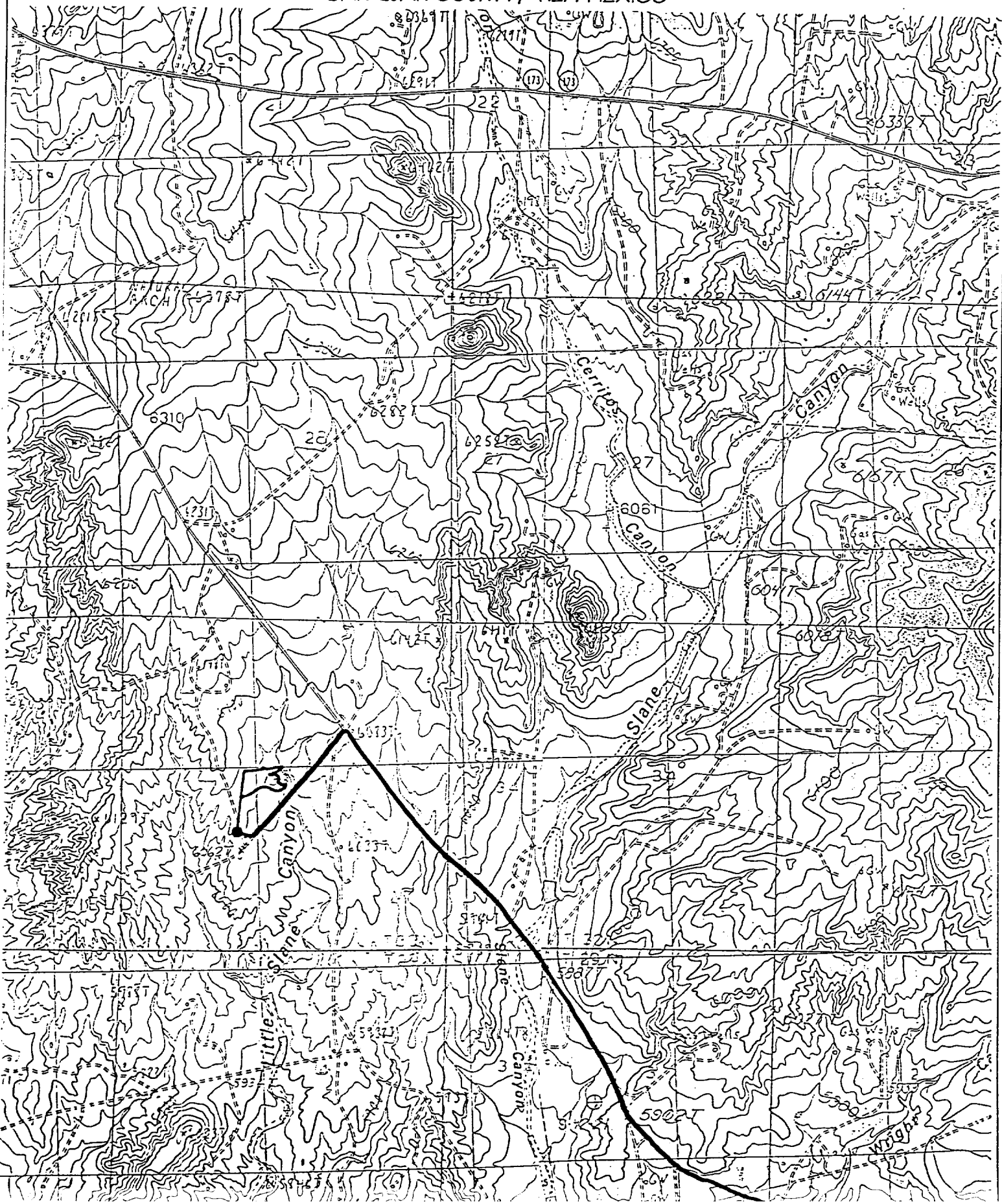
¹² Dedicated Acres 321.48 1/2	¹³ Joint or Infill I	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

¹⁵				¹⁷ OPERATOR CERTIFICATION	
				I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
LOT 4 LOT 3 LOT 2 LOT 1				Signature <i>Jeff Patton</i>	
LOT 5 LOT 6 LOT 7 LOT 8				Printed Name Jeff Patton	
LOT 12 LOT 11				Title Production Engineer	
LOT 10 LOT 9				Date 7/10/00	
LOT 13 LOT 14 LOT 15 LOT 16				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.	
				MARCH 21, 2000	
				Date of Survey	
				Signature and Seal	
				Certificate Number 6857	

CROSS TIMBERS OPERATING COMPANY BASSET COM #1B

1960' FSL & 1835' FWL, SECTION 33, T30N, R10W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO



4. CEMENT PROGRAM (Slurry design may change slightly, but the plan is to circulate cement to surface on both casing strings):

A. Surface: 8-5/8", 24#, J-55, STC casing to be set at $\pm 400'$.

Lead: 275 sx of Class "B" cement containing 2% CaCl_2 , 1/4 pps celloflake, mixed at 15.6 ppg, 1.18 ft^3/sk , & 5.20 gal wtr/sk.

Total slurry volume is 327 ft^3 , 100% excess of calculated annular volume to 400'.

B. Production: 4-1/2", 10.5#, J-55, STC casing to be set at $\pm 5,100'$.

Lead: 475 sx of Class "B" cement containing 2% D-79 (extender), 1/4 pps D-29 (celloflake) and 2% S-1 (CaCl_2) mixed at 11.4 ppg, 2.87 ft^3/sk , 17.63 gal wtr/sx.

Tail: 475 sx of Class "B" cement containing 2% D-79 (extender), 1/4 pps D-29 (celloflake) and 2% S-1 (CaCl_2) mixed at 13.5 ppg, 1.71 ft^3/sk , 8.93 gal wtr/sx..

Total estimated slurry volume for the 4-1/2" production casing is 2,175 ft^3 .

Note: The slurry design may change slightly based upon actual conditions. Final cement volumes will be determined for the caliper logs plus 40%. It will be attempted to circ cement to surface.

5. LOGGING PROGRAM:

A. Mud Logger: There are no plans to use a mud logger at this time.

B. Open Hole Logs as follows: Run Dual Induction/SFL/GR/SP fr/TD to the bottom of the surface csg. Run CNL/LDT (Lithodensity)/GR/Cal and Pe from TD to 2,000'.

6. FORMATION TOPS:

Formation	Subsea Depth	Well Depth
Ojo Alamo SS	+4835'	1237'
Kirtland Shale	+4728'	1344'
Fruitland Formation	+3823'	2249'
Lower Fruitland Coal	+3605'	2467'
Pictured Cliffs SS	+3579'	2493'
Lewis Shale	+3345'	2727'
Cliffhouse SS	+2013'	4059'
Menefee	+1814'	4258'
Point Lookout SS	+1305'	4767'
Mancos Shale	+1000'	5057'
Projected TD	+957'	5100'