

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. LC-060967	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Cross Timbers Operating Company		7. UNIT AGREEMENT NAME SMGSAU Tr 1	
3. ADDRESS AND TELEPHONE NO. P. O. Box 50847, Midland, Texas 79710 (915)682-8873		8. FARM OR LEASE NAME, WELL NO. Tract 1 Well #6	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 330' FSL & 50' FEL Unit P At proposed prod. zone 330' FSL & 50' FEL		9. API WELL NO.	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 7 miles southeast from Maljamar		10. FIELD AND POOL, OR WILDCAT Maljamar (G-SA)	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) 50'		11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA Sec. 30, T17S, R33E	
16. NO. OF ACRES IN LEASE 1,080 (unit)		12. COUNTY OR PARISH 13. STATE	
17. NO. OF ACRES ASSIGNED TO THIS WELL 40		18. ROTARY OR CABLE TOOLS Rotary	
19. PROPOSED DEPTH 4,600'		20. APPROX. DATE WORK WILL START* 5/1/92	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) (4,032.9') GR: 4033.5' No Water Basin		22. APPROX. DATE WORK WILL START*	

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" X-42	24.55#	300' 350'	250sx CIRCULATE
7-7/8"	5-1/2" J-55	15.5#	4,600'	1150sx - SEE STIPS.

Drill 12-1/4" hole to 300+'.
Run and set 8-5/8" 24.55# X-42 casing at 300+'.
Cement 8-5/8" casing with 250sx Class "C".
NU double ram BOP. Test casing and BOP to 500 psig.
Drill 7-7/8" hole to 4,600' with 10 ppg brine water.
Mud up at TD with salt gel and starch.
Log well.
Run 5-1/2" 15.5# J-55 casing to 4,600'.
Cement casing with 900sx 35:65 Poz:C and 250sx Class "C".

RECEIVED
JAN 22 10 43 AM '92
CARBON COPY
AREA

GENERAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS

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 Ken J. Mankert TITLE Operations Engineer DATE 1/17/92

(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 2-12-92

*See Instructions On Reverse Side

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

State of New Mexico
Energy, Minerals and Natural Resources Department

REC'D. / MIDLAND

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION NOV - 4 1991
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

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

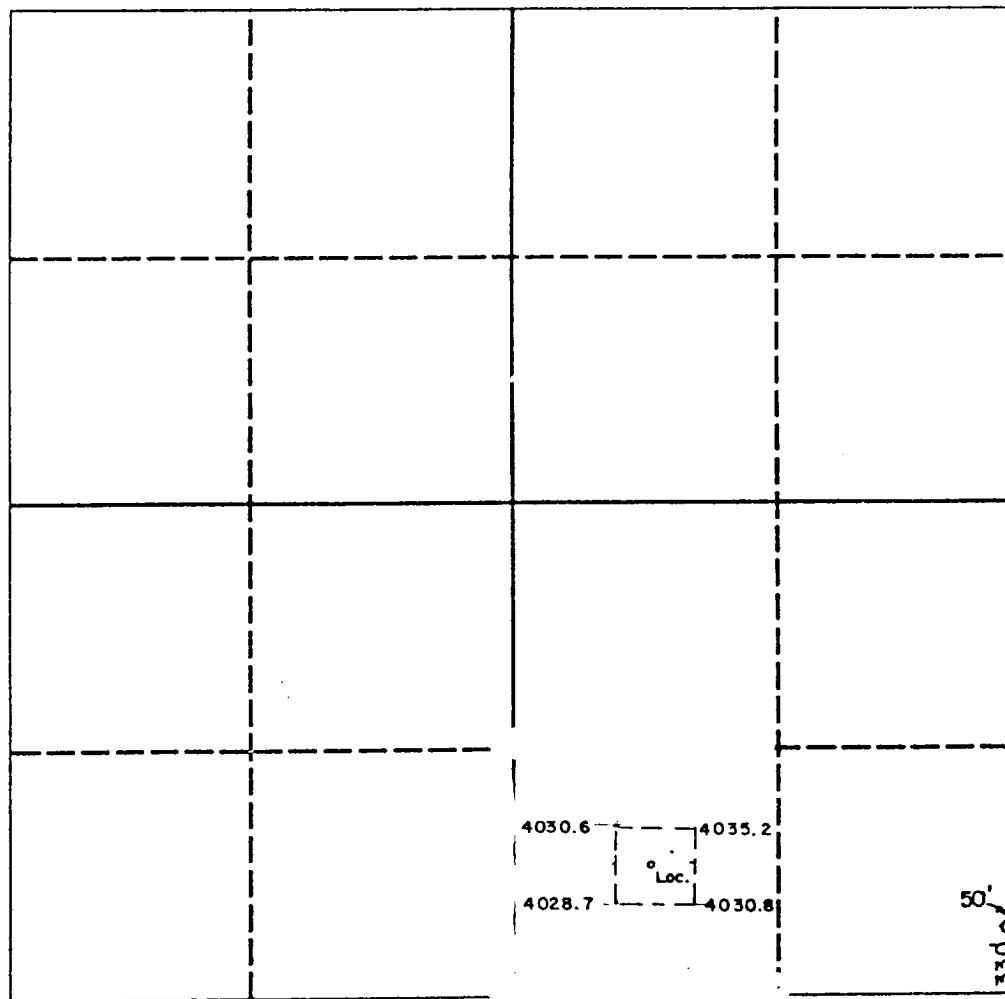
DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

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

WELL LOCATION AND ACREAGE DEDICATION PLAT
All Distances must be from the outer boundaries of the section

Operator Cross Timbers Production Company			Lease SMGSAU Tract 1		Well No. 6
Unit Letter P	Section 30	Township 17 South	Range 33 East	County Lea	
Actual Footage Location of Well: 330 feet from the South line and 50 feet from the East line					
Ground level Elev. 4033.5	Producing Formation Grayburg-San Andres		Pool Maljamar (G-SA)		Dedicated Acreage: 40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☐ Yes ☐ No If answer is "yes" type of consolidation _____
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

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

Gary L. Markestad
Signature

Gary L. Markestad

Printed Name

Operations Engineer

Position

Cross Timbers Operating Co.

Company

1/17/92

Date

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 knowledge and belief.

Date Surveyed

October 17, 1991

Ronald J. Bidan
Signature of Registered Professional Surveyor

No.

3239

Ronald J. Bidan

Certificate No.

676

3239

W.O. 91-11-0160

APPLICATION FOR PERMIT TO DRILL
CROSS TIMBERS OPERATING COMPANY
SMGSAU TRACT 1 WELL NO. 6
330' FSL & 50' FEL
Section 30, T17S, R33E, NMPM

In conjunction with Form 3160-3, Application for Permit to Drill, Cross Timbers Operating Company submits the following items of pertinent information in accordance with Onshore Oil and Gas Order No's. 1 and 2, and with all other applicable federal and state regulations.

1. The geologic surface formation is Quaternary Alluvium.
2. The estimated geologic markers are as follows:

Rustler	1,290'	Queen	3,650'
Tansill	2,555'	Grayburg	4,110'
Yates	2,645'	San Andres	4,420'
Seven Rivers	3,130'		

3. The estimated depths at which water, oil or gas are expected to be encountered:

Fresh Water: None in area.
Oil or gas : Queen 3,650'
Grayburg 4,110'-4,420'
San Andres 4,420'-4,600'

4. Proposed Casing Program: See Form 3160-3 and Exhibit A.
5. Pressure Control Equipment: See Exhibit B.
6. Mud Program: See Exhibit A.
7. Auxiliary Equipment: None.
8. Testing, Logging and Coring Program:

DST's: None anticipated.

Electric Logs: Dual Laterolog
Density/Neutron Porosity Log
Gamma Ray/Caliper Log

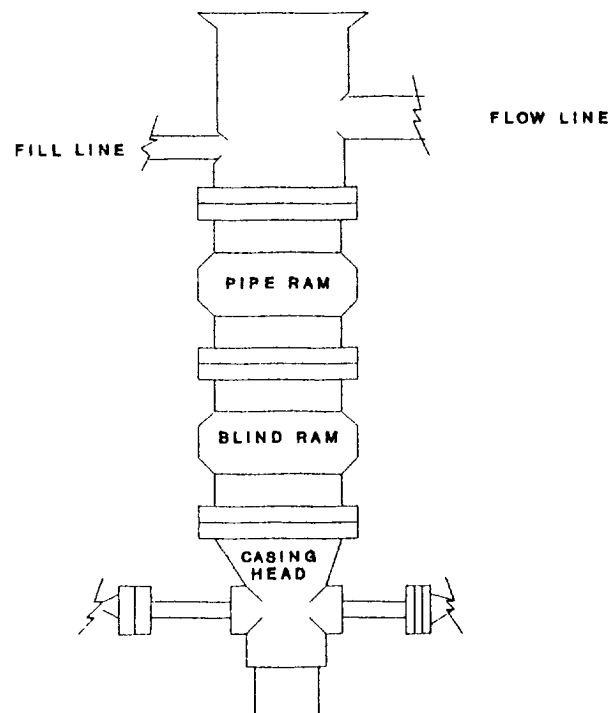
Coring: None anticipated.

9. Abnormal Pressures, Temperatures or other Hazards: None anticipated.
10. Anticipated Starting Date: Immediately upon permit approval.

BOP STACK

SMGSAU TRACT 1 WELL NO. 6

330' FSL, 50' FEL SEC 30, T17S R33E NMPPM



9" SERIES 600 (2000 PSI WP) FLANGES

EXHIBIT B