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3. ADDRESS AND TELEPHONE N					_		!
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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 P.O. Box .960, Hobbs, NM 86241-1980

DISTRICT II P.O. Drawer DD, Artesia, NM 68211-0719

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

DISTRICT IV P.0. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102 Revised February 10, 1994 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

□ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

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DISTRICT I

P.O. Box 1960, Hobbs, NM 66341-1980

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OIL CONSERVATION DIVISION P.O. Box 2088

Santa Fe, New Mexico 87504-2088

□ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API	Number		1	Pool Code		· · · · · · · · · · · · · · · · · · ·	Pool Name			
30-07	25-3	33921 43329 Maljamar Grayburg San Andres								
Property	Code	1			Property Na			Well Num	ıber	
	3372	ł –		١	U. S. MINEF	RALS		4		
OGRID N	o	Г			Operator Na	пе		Elevation		
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	•		Bottom	Hole Lo	cation If Diff	erent From Sur	face	••••••••••••••••••••••••••••••••••••••	· · · · · · · · ·	
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
Dedicated Acre	Joint o	r Infill Co	nsolidation (Code Or	der No.		<u>L</u>	<u>I</u>	I	
40	1	E	U							
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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

4074.3'r 4074.5'		OPERATOR CERTIFICATION
990'	1	I hereby certify the the information
4065.7 4070.5	1	contained herein is true and complete to the
1	ł	best of my knowledge and belief.
		D 10 60 0
		Mark A. Sosch
		- Torre Month
	L	Signature
		Mark A. Gosch
		Printed Name
		Dudlide Designed
		Drilling Engineer
		Title
		3-31-97
		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 supervison, and that the same is true and
	1	correct to the best of my belief.
		FEDRUARY 27 1007
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		RONALDAY CIDSON, 3239 POFESSIN CEIDSON, 12641
		POFESON EIDSON, 12641

EVIIDIT "A" Location and Elevation Dlat

EXHIBIT "B" APPLICATION FOR PERMIT TO DRILL TEN-POINT COMPLIANCE PROGRAM CROSS TIMBERS OPERATING COMPANY U.S.MINERALS #4 990' FWL & 330' FNL SEC 33 - T17S - R33E LEA COUNTY, NEW MEXICO

بالجوججو بالتصب

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:

Top of Salt	-	1456'
Base of Salt	-	2476'
Grayburg	-	3776'
Premier SS	-	4286'
San Andres	-	4376'

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

Fresh Water:	None in the ar	ea.
Oil and/or Gas	Grayburg	- 3776' to 4270'
	Premier SS	- 4270' to 4376'
	San Andres	- 4376' to 4500'

4. Proposed Casing Program:

Hole	Setting	Size	Weight, Grade <u>and Joint</u>	New or
<u>Size</u>	Depth	(OD)		<u>Used</u>
12 1/4"	400'	8 5/8"	24#, J55, STC	Used
7 7/8"	4500'	5 1/2"	15.5#, J55, STC	Used

Page 2 Exhibit "B" continued......

Cement Program:

Surface Casing:	250 sx Premium Plus cement with 2% CaCl and 1/4 #/sx Flocele.
Production Casing:	Lead with 775 sx Premium Plus cement with 3% Econolite and 1/4 #/sx Flocele, Tail in with 200 sx Premium Plus cement with 0.2% Halad-322 and 0.4% Halad-9.

5. **Pressure Control Equipment**:

The BOPE will be a Shaffer type double gate preventer Series 900 - 3000# W.P. <u>Exhibit "C"</u> is a schematic diagram of the minimum blowout preventer stack that will be used. The BOP's will be hydraulically tested to half the working pressure after nippling up and after any use under pressure. Pipe rams will be operationally checked each 24 hour period, as will the blind rams each time pipe is pulled out of the hole. Such checks will be noted on the daily tour reports.

Accessories to the BOPE will include an upper kelly cock, floor safety valve, and choke manifold with pressure rating equivalent to the BOP stack.

6. Mud Program:

Surface:Fresh water spud mud.Production:Brine Envirodrill - NS.

Depth	Mud Weight	<u>Viscosity</u>	API Filtrate
0' - 400'	8.4 - 8.8 ppg	32 - 36 sec	No Control
400 ' - 4500'	10.0 - 10.1 ppg	28 - 30 sec	No Control

7. Auxiliary Equipment:

An upper kelly cock will be used in the kelly

A safety valve will be on the floor at all times, to be stabbed into the drill string when the kelly is not in the string.

H2S compliance package will be installed prior to drilling the Grayburg formation to monitor the system for H2S.

8. Testing, Logging, and Coring Program:

No drill stem tests are anticipated.

No open hole logs will be run, a cased hole CNL/Spectral GR will be run prior to completion.

No coring is anticipated.

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9. Anticipated Abnormal Pressures, Temperatures, or Other Hazards:

No abnormal pressures or temperatures have been noted or reported in wells drilled in the area to the anticipated depth of this well.

Anticipated Bottom Hole Pressure (BHP) = 1975 psi.

Hydrogen Sulfide is known to exist in formations at the depths the wellbore will penetrate, a H2S compliance package will be rigged up prior to drilling those formations.

10. Anticipated Starting Date and Duration of Operations:

The anticipated starting date will be as soon as possible after examination and approval of drilling requirements. Drilling operations should be completed within 10 days after spudding the well and drilling to TD.

