	N.M. OILCON P.O. BOX 298	S. CO"OPER	R. OGF	RID NO.	- <b>R</b>	5380		
Form 3160-3	HOBBS, N		PERTY	NO. 3332		FORM APPROVED		
(July 1992)	UNI	TED POOL	. COD	E 43320.		OMB NO. 1 Expires: Febru	1004-0136	
	DEPARTMEN		DATE	5396		5. LEASE DESIGNATION	•	
	BUREAU OF			-025-334	<u>6 Q</u>	LC-060967	AND BEILL NO.	
APPL	ICATION FOR P		10. <u>)</u>		00	6. IF INDIAN, ALLOTTE	B OR TRIBE NAME	
1a. TYPE OF WORK		·····				1 7 1111-		
DR b. TYPE OF WELL		DEEPEN				7. UNIT AGREEMENT P	I A M B	
WELL X	NELL OTHER			INGLE MULTH		8. FARM OR LEASE NAME, WE	LL NO.	
2. NAME OF OPERATOR	0					SEMGSAU #108	}	
3. ADDRESS AND TELEPHONE NO.	Operating Compa	any				9. API WELL NO.		
P. O. Box 520	70, Midland, Tex	kas 79710-	2070	(915)682-8873		10. FIELD AND POOL, (	E WILDCAT	
4. LOCATION OF WELL (H At surface	Report location clearly and	in accordance wi	th any S	State requirements.*)		Maljamar Grayb	urg San Andre	
1900' FSL, 10	4' FEL, Sec. 30	, T17S, R33	E, NM		<b>val</b>	11. SEC., T., R., M., OR AND SURVEY OR AN	BLK. REA	
At proposed prod. zo: Same	UNORTHOT	Nox Loc		By State		Sec. 30, T175		
	AND DIBECTION FROM NEAD					12. COUNTY OF PARISH		
	east of Maljamar	., New Mexi				Lea	New Mexico	
15. DISTANCE FROM PROP LOCATION TO NEARES PROPERTY OR LEASE	T			). OF ACRES IN LEASE		OF ACRES ASSIGNED THIS WELL		
(Also to nearest dri 18. DISTANCE FROM PROD	g. unit line, if any)	)4'	12 19. PH	O WPOSED DEPTH	20 807	ABY OR CABLE TOULS		
TO NEAREST WELL, I OR APPLIED FOR, ON TH	RILLING, COMPLETED.	51'	1	400'		tary		
21. ELEVATIONS (Show wh	ether DF, RT, GR, etc.)				1 10	22. APPROX. DATE WO	EK WILL START*	
<u>4,049' GL</u>						5/15/96		
		PROPOSED CAS	ING ANI	CEMENTING PROGRA	м			
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER F	юот	SETTING DEPTH	050	QUANTITY OF CEME:	(T	
<u>    12-1/4"                                    </u>	<u>8-5/8" J-55</u> 5-1/2" J-55	<u> </u>		4,400'	250s) 975s)		<b></b>	
						· · · · · · · · · · · · · · · · · · ·		
1. Drill 12-3	! 1//" bolo & cot	0 5/01 000	face	con Cius aut	1			
2. NU BOP. 1	1/4" hole & set _og BOP checks i	n IADC rep	ort &	drill $7-7/8"$	$\frac{to sur}{to le to sur}$	<u>race.</u>		
3. Set 5-1/2'	" csg at TD. <u>C</u> i	rc cmt to	surfa	ce.				
	hole log. Perf	orate & st	imula	te as needed.				
EXHIBITS ATTAC Exhibit "A" -	Location & Elev	ation Plat						
Exhibit "B" -	Ten-Point Compl	iance Prog	ram			•_	•••	
Exhibit "C" -	Pressure Contro	1 Equipmen	t			-		
	Surface Use Pla Existing & Plan		Poad	c		•	_	
Exhibit "F" -	Location of Exi	sting Wells	KUAU S	5				
Exhibit "G" -	Proposed Well S	ite Layout		Ame	ment fin	biact to		
	& "H2" - Drill P			Diagrams) Gen	and Reg	alrements and		
EXHIDIC 1 -	Surface Owner D	amage Agree	ement		الإراق المحد	ulations		
N ABOVE SPACE DESCRIB	E PROPOSED PROGRAM: If	proposal is to deepen,	give data	on present productive zone :		d new productive zone. If p	oposal is to drill or	
eepen directionally, give parties	inent data on subsurface location	is and measured and t	rue vertica	I depths. Give blowout preven	nter program	, if any.		
n X	51		-					
SIGNED REOTOR	. Ramsey, Jr.		LE Ur	illing Engineer	` <u> </u>	DATE _3/28/9	<del></del>	
(This space or Fede	ral or State office use	]						
PERMIT NO				APPROVAL DATE			<u> </u>	
Application approval does	not warrant or certify that the app	licant holds legal or ea	puitable tit	le to those rights in the subject l	lease which w	vould entitle the applicant to co	nduct operations thereon.	
CONDITIONS OF APPROVAL	L, IF ANY:							
(0010-20	D.) RICHARD L. N	AANTIC						
APPROVED BY	D.) RICHAND L. P	TILE		1		DATE	<u>Uep:</u>	

*See	Instructions	On	Reverse	Side
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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 invisidiction

DISTRICT 1 P.O. Dex 1980, Seabe, ME 58241-1980

DISTRICT U P.O. Drawer DD, Artenia, WH 58211-0719

DISTRICT III 1000 Rie Brazoe Ed., Astec, NM 67410

DISTRICT IV P.O. BOX 2068, SANTA FE, M.M. 87504-2066 State of New Mexico

Energy, Minarais and Natural Resources Department

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

#### OIL CONSERVATION DIVISION P.O. Box 2088 Santa Fe. New Mexico 87504-2088

O AMENDED REPORT

# WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number		Pool Code		Pool Name						
		MALJAMAR (G-SA								
Property Code						erty Nam	IT		Feil Number	
SEMGSAU					108					
OGRID N	lo.	1			Oper	ator Nam	ie		Elevau	
L				SS TIME	ERS OF	PERATI	NG COMPANY		404	
					Surfac	ce Loca	ation			
UL or lot No.	Section	Township	Range	Lot Ida	Feet fro	m the	North/South line	Feet from the	East/West line	County
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	1	<u>.</u>	Bottom	Hole Loc	ation I	f Diffe	rent From Sur			
UL or lot No.	Section	Township	Range	Lot Idn	Feet fro		North/South line	Feet from the	East/West line	
								Teet note the	LIST WEST THE	County
Dedicated Acre	Joint d	or infill Co	nsolidation	Code Ord	ler No.					<u> </u>
40										
	WARLE W		SIGNED							
		ORAN	ION-STAN	DARD UN	IT HAS	NUN U	NTIL ALL INTER APPROVED BY 1	ESTS HAVE BE	EN CONSOLIDA	ATED
LOT								OPERATO	R CERTIFICAT	TON
	·	<u>.                                    </u>	+			I			, certify the the inj	
			FE	DERAL L	EASE	T		contained herei	i is true and comple	te te the
	Í							best of my know	inige and bettef.	
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42.11 AC	+ 235					L		Simature		
LOT 2	•						400'	George H	. Ramsey, (J	
						4	400	Printed Name		<u>×</u>
	•		16			<b>'</b> 40	0'  0	Drilling	Engineer	
	1					1	· · · ·	- Title		
			14.			4	L _ <u>J Road</u> 246.9' 4048.7' DETAIL	03/06/96	•	
							<u>Verac</u>			
42.13 ACF	25					ا 	$-\chi$	SURVEYO	R CERTIFICAT	том
LOT 3	1			1 - 1	1	1	// < /	I hereby certify	that the well lecal	m shown
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						X	SEE DETAIL	supervises an	made by me er - L that the sume to	tender my
	•			1		$\leq$	104'0	Forrest to the	best of my baller.	
	1			, / Т	EASE #	TCIDE		#		
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42.15 ACR	255			<u>    </u>	! _	11	<u> </u>	Signature &	Amminininininininininininininininininini	OMCC
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						V		1 Kimith	1XIII	29.96
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	•					H.	ł	1 / 10 30		
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42.17 ACR	ES						1//	The PR	RONALD EDSON	12641
									and the second sec	

# **EXHIBIT "B" APPLICATION FOR PERMIT TO DRILL TEN-POINT COMPLIANCE PROGRAM CROSS TIMBERS OPERATING COMPANY SEMGSAU #108** 1900' FSL, 104' FEL SEC 30 - T17S - R33E NMPM LEA COUNTY, NEW MEXICO

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	- 1350'	Queen	- 3530'
Base of Salt	- 2400'	Grayburg	- 3680'
Yates	- 2540'	Premier SS	- 4200'
Seven Rivers	- 2920'	San Andres	- 4230'

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

Fresh Water:	None in the area.			
Oil and /or Gas:	Grayburg	- 3680' to 4200'		
	Premier SS	- 4200' to 4230'		
	San Andres	- 4296' to 4400'		

4. Proposed Casing Program:

Hole	Setting	Size	Weight, Grade	New or
<u>Size</u>	Depth	<u>(OD)</u>	and Joint	<u>Used</u>
12 1/4"	400'	8 5/8"	24#, J55, STC	Used
7 7/8"	4400'	5 ½"	15.5#, J55, STC	Used

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% Econlite and 1/4 #/sx Flocele, Tail in with 200 sx Premium Plus cement with 0.2% Halad-322 and 0.4% Halad-9.

Page 2 Exhibit "B" continued ....

#### 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 native spud mud. Production: Brine Envirodrill-NS.

<u>Depth</u>	Mud Weight	Viscosity	API Filtrate
0' - 400'	8.4 - 8.8 ppg	32 - 36 sec	No Control
400' - 4400'	10.0 - 10.1 ppg	28 - 30 sec	No Control

## 7. Auxiliary Equipment:

- An upper kelly cock valve 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.

Page 3 Exhibit "B" continued ....

9. Anticipated Abnormal Pressure, 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) = 1930 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.

