Form 3160-3 (November 1983) (formerly 9-331C)	່ບາງໄ DEPARTMEN	TED STATE T OF THE I	N.M. OIL CO P.O. BOX IS SHOBBS, NE NTERIOR	ONS. CON BOT IN T Other instr.	MMISS LICATE	ION 30-D25- Form approved. Budget Bureau 1 Expires August 5. LEASE DESIGNATION	No. 1004-0136 31, 1985	
		LAND MANA				NM 2244	AD SUBIAL NO.	
APPLICATIO	N FOR PERMIT	TO DRILL,	DEEPEN, OR	PLUG B	АСК	6. IF INDIAN, ALLOTTEE	OR TRIBE NAME	
1a. TYPE OF WORK	ILL X	DEEPEN		PLUG BAG		7. UNIT AGREEMENT N.	ME	
이나 [7] G	AS OTHER		SINGLE X	MULTIP: ZONE		8. FARM OR LEASE NAM		
2. NAME OF OPERATOR						Sarah B		
Samedan Oil	<u>Corporation</u>					9. WELL NO.		
3. ADDRESS OF OPERATOR						6		
10 Desta Dri	ve, Suite 240 E	ast, Midlan	d, Texas 7	9705		10. FIELD AND POOL, OR WIDDCAT		
At surface	eport location clearly and	I in accordance wi	th any State require	ments.*)		Cline-Blineb	ry	
1980' FNL & 1980' FEL						11. SEC., T., R., M., OR BLK. AND SURVEY OR ABEA		
At proposed prod. zone							-	
14. DISTANCE IN MILES	AND DIRECTION FROM NEA	REST TOWN OR POS	T OFFICE*			12. COUNTY OR PARISH	13. STATE	
	h-Southeast of	Eunice				Lea	NM	
15. DISTANCE FROM PROPO LOCATION TO NEAREST	r		16. NO. OF ACRES		17. NO. O TO TH	OF ACRES ASSIGNED HIS WELL		
PROPERTY OR LEASE I (Also to nearest drig	g. unit line, if any)	60'	1395.9.			40		
					20. ROTAL	ARY OR CABLE TOULS		
OR APPLIED FOR, ON THIS LEASE, FT. 1650' 6300'						Rotary		
21. Elevations (Show whether DF, RT, GR, etc.) 22. Approx. Date work will start*   3311.3 GR Upon approval								
23. PROPOSED CASING AND CEMENTING PROGRAM								
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FO	DOT SETTIN	G DEPTH		QUANTITY OF CEMEN	 C	
17 1/2	13 3/8	48#	90	00	465	SX CIRCULATE		
12 1/4	* 8 5/8	24# & 32	# 400	00 😽		determined by	hole conditior	
7 7/8	5 1/2	15.5#	630		<b>6</b> 15			

\*tie cement back 200'minimum into previously run csg(s). A 12 1/4" hole will be drilled to 4000' and 8 5/8" casing shall be run and cemented if significant water flow is encountered. If there is no water flow, the hole size will be \* reduced to 7 7/8" and drilled to 6300'.

After setting production casing, pay zone will be perforated and stimulated as necessary.

	*See Instruction	is On Reverse Side	GENERAL REQUIREM SPECIAL STIPULATIO	ients and
APPROVED IN APPROVAL, IF ANY :	Junton TITLE_	AREA MANAGER	APPROVAL	- <del>10</del>
PERMIT NO.		APPROVAL DATE		<u> </u>
(This space for Federal or State office				
24. SIGNED Milly Mirle	nelilinDi	vision Production (	Clerk DATE 8-1	ین 16-93
IN ABOVE SPACE DESCRIBE PROPOSED PROGR zone. If proposal is to drill or deepen d preventer program, if any.				
	Surface Use and Op	perations Plan		(11) (11)
	BOP Sketch	0 -		
See attachments for:	Supplemental Drill	ling Data		

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.

Submit to Appropriate District Office State Lease - 4 copies Fee Lease - 3 copies State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised 1-1-89

# OIL CONSERVATION DIVISION

DISTRICT I P.O. Box 1980, Hobbs, NM 88240 P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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 SAMEDAN CIL CORPORATION			Lease	SARAH	" <del>3</del> "	Well No.
Unit Letter	Section	Township	Range	····		County
G	12	23 SOUTH		37 EAST	NMPM	LEA
Actual Footage Los						
		RTH line and	1980		feet from	the EAST line
Ground Level Elev			Pool		r* 0 h	) (); Dedicated Acreage:
3311.3'	Blineb	ory	Cli	ne Lover	rir.Adec	K Bhratry 40 Acres
1. Outline the a	creage dedicated to	the subject well by color	ed pencil or hac	hure marks on th	e plat below.	. ,
2. If more than	one lease is dedic	ated to the well, outline	each and identif	y the ownership t	hereof (both	as to working interest and royalty).
3. If more than unitization.	one lease of diffe force-pooling, etc.	rent ownership is dedicat ?	ed to the well, h	ave the interest	of all owners	been consolidated by communitization,
T Yes	No No	If answer is "yes" ty	pe of consolidat	ion		
استنا	o" list of owners a	nd tract descriptions whi	ch have actually	been consolidate	ed. (Use reve	erse side of
No allowable w	vill be assigned t	o the well unit all inte	rests have been	n consolidated (	by commun w the Divisio	itization, unitization, forced-pooling,
otherwise) or u	intil a non-stands	ard unit, eliminating suc	in interest, iias	been approved a		OPERATOR CERTIFICATION
			Å	1		
						I hereby certify the the information contained herein is true and complete to the
						best of my knowledge and belief.
	1					<i>f</i>
			1 ~			Signature
	1		980,			Frinted Jame
	i			1		Judy Throneberry
	+			+		Position
	1			1		Div. Production Clerk
	1			1		Company
	i t	3309.3	3315.2			Samedan Oil Corporation
	ł					Date
	ł	7710.4	, 3315.4'			8-16-93
	1	3310.4	UU 10,4			SURVEYOR CERTIFICATION
	l					
				+		I hereby certify that the well location shown
	1					on this plat was plotted from field notes of actual surveys made by me or under m
	1					supervison, and that the same is true an
	1					correct to the best of my knowledge an
	1			1		belief.
	1			1		Date Surrend
	1			1		diaNEL.240A, 193
	1 			· 		Signature & Sent of Professional Surveyor
	 			1		
				1		( <del>2</del> 977 ) )
	l			1		
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					]	) A south and the south and th
	ł			1	<b>)</b>	
	l					Certificate No. JUHN W. WEST, 675 BONALD J EIDSON 323
	L					RONALD J. EIDSON, 323 GARY L. JONES, 797
			2000 1500	1000 50		93-11-1202
0 330 660	990 1320 165	0 1980 2310 2640	2000 1500	1000 20		93-11-1202

## SUPPLEMENTAL DRILLING DATA

# SAMEDAN OIL CORPORATION WELL NO. 6 SARAH B LEASE

#### 1. SURFACE FORMATION: Quaternary.

#### 2. ESTIMATED TOPS OF GEOLOGICAL MARKERS:

Yates	2640	Paddock	5390
Penrose	3680	Blinebry	5640
Grayburg	3730	Tubb	6080
San Andres	4020	Drinkard	6190
Glorieta	5100		

# 3. ANTICIPATED POSSIBLE HYDROCARBON BEARING ZONES:

Primary:	Blinebry	5640
Secondary:	Penrose	3680
-	Graybury	3730
	Paddock	5390
	Tubb	6080
	Drinkard	6190

### 4. PROPOSED CASING AND CEMENTING PROGRAM:

	SETTING	DEPTH			
CASING SIZE	FROM	TO	WEIGHT	GRADE	JOINT
13 3/8"	0'	900'	48#	H-40	ST&C
8-5/8"	0'	4000	24 & 32#	J-55	ST&C
5 1/2"	0'	6300'	15.5#	J-55	ST&C

Equivalent or adequate grades and weights of casing may be substituted at time casing is run, depending on availability.

13 3/8"" casing will be cemented with 265 sacks class "C" Lite + 200 sacks class "C" w/2% CaCl + 1/4# cello seal. Cement to circulate to surface.

8 5/8" casing shall be run if a significant water flow is encountered. It shall be cemented with a volume to circulate.

5 1/2" casing will be cemented with 250 sacks Super "C" + 365 sacks class "C" + 5/10% CF-14 + 3/10% Thrifty Lite. If need for a stage tool is indicated, it will be positioned to best suit hole conditions at time casing is run. Cement to tie back to last casing string.

Cement may have lost circulation or other additives depending on hole conditions at the time casing is run.

### 5. PRESSURE CONTROL EQUIPMENT:

Blow out prevention equipment, while drilling below the 13 3/8" casing seat, will be a 3000 psi working pressure BOP stack. A BOP sketch is attached.

- 6. <u>CIRCULATING MEDIUM:</u> <u>Surface to 900 feet:</u> Fresh water spud mud. Viscosity 30 to 36 as required for hole cleaning.
  - <u>900' to 5100':</u> Brine conditioned as necessary for control of viscosity. Weight 9.8 to 10. PH 9 to 10. Viscosity 32 to 36.
  - 5100' to T.D.: Brine base drilling fluid conditioned as necessary for control of weight, viscosity, ph and water-loss.

# 7. AUXILIARY EQUIPMENT:

A mud logging trailer will be in use while drilling below 3000'.

8. TESTING, LOGGING, AND CORING PROGRAMS:

Drill stem tests will be made when well data indicate a test is warranted.

It is planned that electric logs will include CNL-FDC-GR and DLL-MSFL-SDL  $% \mathcal{A} = \mathcal{A} = \mathcal{A} = \mathcal{A} = \mathcal{A} = \mathcal{A}$ 

Mud Logger survey will begin at 3000'.

No coring is planned.

9. ABNORMAL PRESSURES, TEMPERATURES, OR HYDROGEN SULFIDE GAS:

None anticipated.

Expected bottom hole pressure is approximately 3500 psi. Expected bottom hole temperature is approximately 125 degrees Fahr.

Hydrogen Sulfide Drilling Operations Plan is attached.

10. ANTICIPATED STARTING DATE:

It is planned that operations will commence upon approval of this application, with drilling and completion operations lasting about 30 days.

