Drawer DD Artesia, NM 88210

RECEIVED

12

U.S. GEOLOGICAL SURVEY ROSWELL, NEW MILAICO

AUG 2 1982

Form 9-331 C (May 1963)					IT IN TRI	PLACATES	C. D. Form approve A, OFF Gedget Bureau	d. No. 42-R1425.		
,	UNITED STATES reverse side)							30-005-61730		
DEPARTMENT OF THE INTERIOR							5. LEASE DESIGNATION AND SERIAL NO.			
	GEOLO	NM-33944 6. IF INDIAN, ALLOTTEE OR TRIBE NAME								
APPLICATIO	N FOR PERMIT	O DRILL, I	DEEPEN	1, OR P	LUG B	<u>ACK</u>	O. IF INDIAN, ALLOTTER	OR TRIBE NAME		
1a. TYPE OF WORK DR b. TYPE OF WELL	ILL 🗓	DEEPEN [PL	JG BAC	к 🗆	7. UNIT AGREEMENT N	AME		
OIL G	CAS SINGLE MULTIPLE S. FARM OR LEASE NAME ZONE ZONE									
SHELLY FEDERAL										
MESA PETROLEUM CO. 3. ADDRESS OF OPERATOR										
-	יטא פוודו הדאר /אדה	10. FIELD AND POOL, OR WILDCAT								
1000 VAUGHN BUILDING/MIDLAND, TEXAS 79701-4493 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) UNDESIGNATED ABO								ATED ABO		
At surface 66	0' FSL & 660' F	11. SEC., T., R., M., OR I AND SURVEY OR AR	LK.							
At proposed prod. 20					17	u, P				
14 DISTINCT IN MILES	SAME AND DIRECTION FROM NEAR	REST TOWN OR POS	r office*				SEC 23, 7	19S, R24E		
10 miles	Northeast of Ro	swell, New	Mexico				CHAVES	NEW MEXICO		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. 660'/660'				16. NO. OF ACRES IN LEASE 17. N			of acres assigned his well 160	·		
(Also to nearest dri 18. DISTANCE FROM PRO	POSED LOCATION*	, , , , , , , , , , , , , , , , , , , ,				20. ROTA	0. ROTABY OR CABLE TOOLS			
TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. N/A			4100'				ROTARY			
21. ELEVATIONS (Show whether DF, RT, GR, etc.)							22. APPROX. DATE WORK WILL START*			
3568 GR							AUGUST	25, 1982		
20.	I	PROPOSED CASI	G AND C		PROGRA	м				
14 3/4"	size of casing	WEIGHT PER F		SETTING D	ветн 950'	70	QUANTITY OF CEMEN 00/300 SURFACE	TT		
9 1/2"	7 5/8"	26.	T. "		1600'		00/300 BURIAGE			
6½ or 7 7/8"	4 1/2"	10.			4100		OO COVER AL			
Will cement to $9\frac{1}{2}$ " and drill been lost and reduce hole to conditions are 7 7/8" and dri	11 14 3/4" hole surface and te on mud or air to cement with suffer or 6½", te favorable, the lled to total dong upon hole signal.	st casing wo approxima ficient amo st BOP's an 7 5/8" casepth. Eith	ith ce tely l unts t d casi ing wi er 4½"	menting 600' an o tie-b ng and 11 be o or 5½"	head td run 7 ack to drill to mitted	to 600 7 5/8" 10 3/4 to tota and th	psi. Will red casing if circ 4" casing. Will al depth. If he hole will be	duce hole to culation has li then nole reduced to		
Operator's gas	sales are dedi	cated.								
	(7), TLS, CEN R									
IN ABOVE SPACE DESCRIB zone. If proposal is to preventer program, if an	TE PROPOSED PROGRAM: If drill or deepen directionary.	proposal is to deep ally, give pertinen	en or plu t data on	g back, give subsurface lo	data on processions and	esent prod d measure	luctive zone and propose d and true vertical depth	d new productive ss. Give blowout		
24.	9. Mark	TIT	R	EGULATO:	RY COOF	RDINATO	OR 7-2	21-82		
(This space for Fed	eral or State office use)		- <u></u>							
	ATTROUVE		4.5	DDDAY41 D4TE						
PERMIT NO.	Qrig. Sgd.) GEORGE	H STEWART		PPBOVAL DATE	·					
APPROVED BYCONDITIONS OF APPRO	JUI 3 0 198		**************************************		 		DATE			
	JAMIS W. CIELEZ DISPLOT EUVERVIS					S	्राज्य ी इस्त्रीच्या			

STATE OF NEW MEXICO

OIL CONSERVATION P O BOX 2018 JANTA FE, NEW MEXICO 87501

Revised 13-1-78

ENERGY AND MINERALS DEPARTMENT All distances must be from the outer houndaries of the Section well No. Lvase 2 erolor Shelly Federal Mesa Petroleum County Hang. Township Section il Leller Chaves 24 East 9 South 23 P tual l'astage Location of Well; East irel irm the ·South line and teet from the Dedicated Acreage: Producing Fermotion ound Level Clev. UNDESIGNATED - Philip SE/4 160 1. Outline the acrenge dedicated to the subject well by colored pencil or hachure 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 interests of all owners been consolidated by communitization, unitization, force-pooling. etc? If answer is "yes," type of consolidation _ ☐ No If answer is "no," list the ewners 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 interests, has been approved by the Division. CERTIFICATION I hereby certify that the information contoined herein is true and complete to the best of my knowledge and belief R. E. MATHIS Position REGULATORY COORDINATOR MESA PETROLEUM CO. JULY 21, 1982 Sec. 23, T. 9 S., R. 24 E., N.M.P.M. I hereby certify that the well location shown on this plut was plotted from field notes of octual surveys made by me or MESA | ETAL under my supervision, and that the same true and correct to the best of my knowledge and belief. 33944 NM-660' 1500 1000 200 2000

APPLICATION FOR PERMIT TO DRILL

MESA PETROLEUM CO. SHELLY FEDERAL #2 660' FSL & 660' FEL, SEC 23, T9S, R24E CHAVES COUNTY, NEW MEXICO

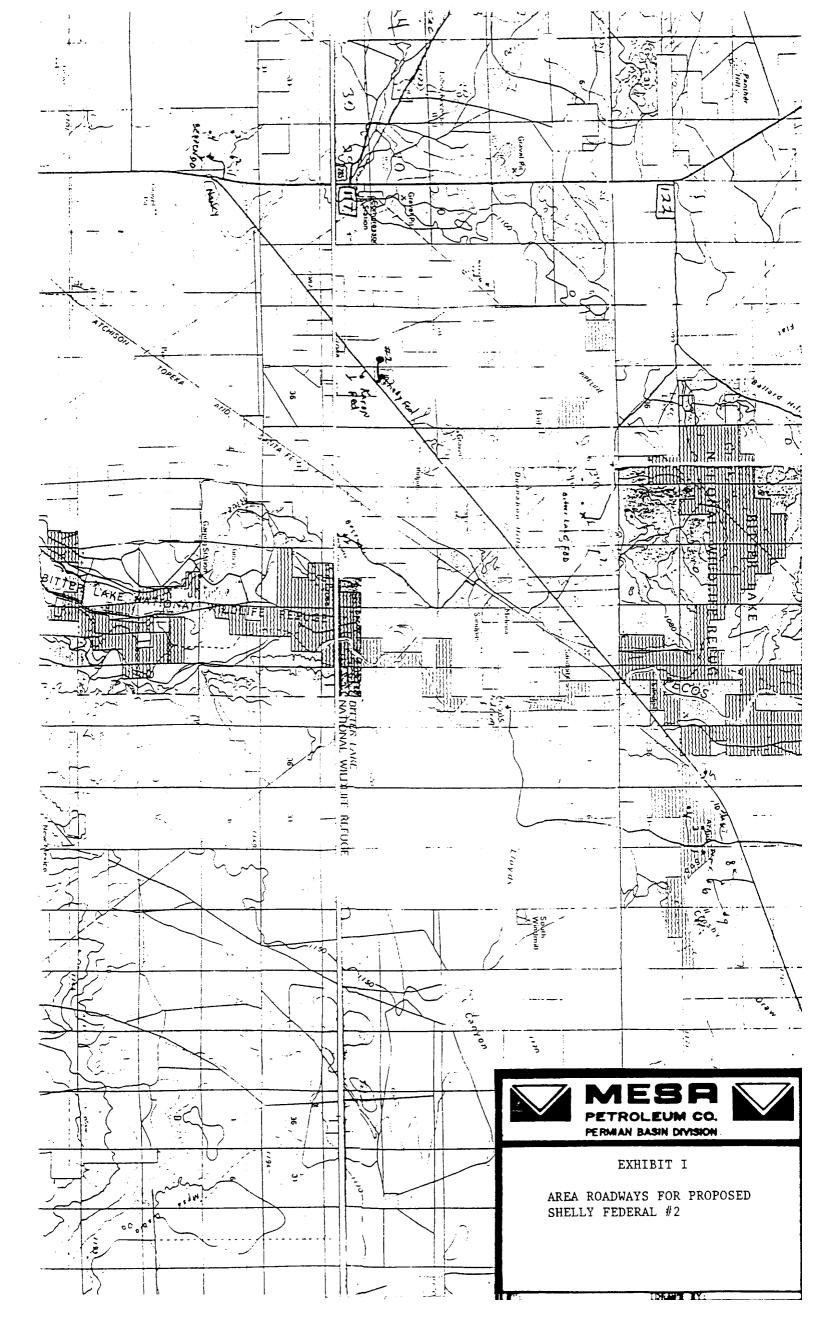
LEASE NO. NM-33944

In conjunction with Form 9331-C, Application For Permit to Drill subject well, the following additional information is provided:

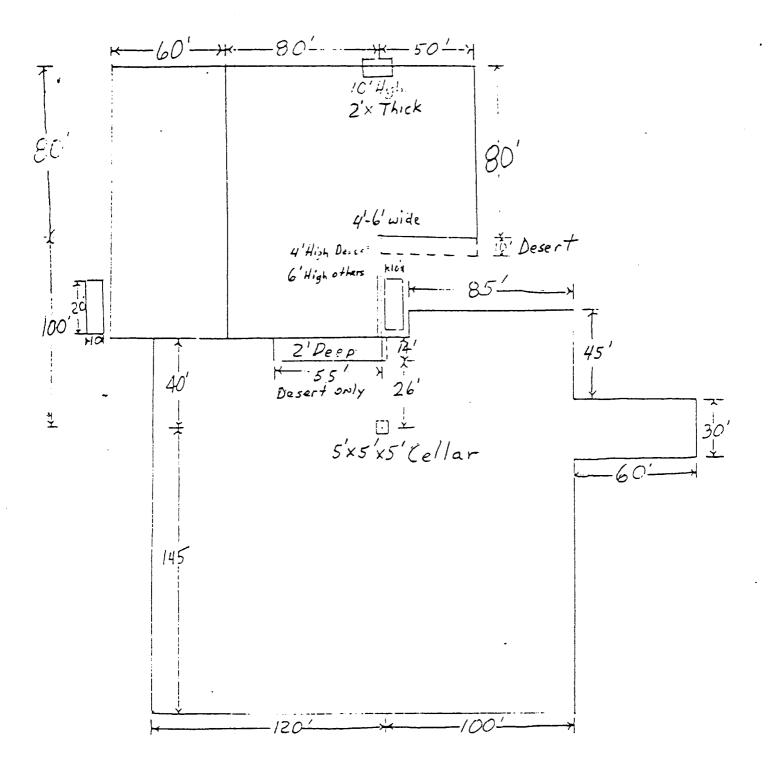
- 1. Applicable portions of the GENERAL REQUIREMENTS FOR OIL AND GAS OPERATIONS ON FEDERAL LEASES, Roswell District, Geological Survey of September 1, 1980 will be adhered to.
- Geological markers are estimated as follows:

SEVEN RIVERS	Surface
SAN ANDRES	3531
GLORIETA	1313'
TUBB	2813'
ABO	35031

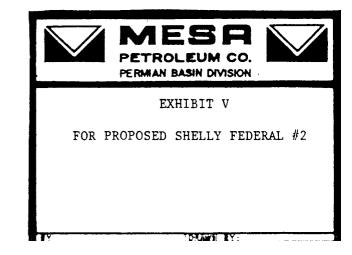
- 3. Hydrocarbon bearing strata may occur in the Abo formation(s). No fresh water is expected to be encountered below 950'
- 4. The Casing and Blowout Preventer Program will be determined by hole conditions as encountered. See Exhibit VI. Anticipate drilling with mud, air or foam using ram type preventer and rotating head for well control. The 10 3/4" casing will be set at approximately 950' to protect any fresh water zones and cemented to the surface. The 7 5/8" casing will be set at approximately 1600' if water zones have been encountered or omitted if not and ram type preventers installed. Sufficient amounts and kinds of cement would be used to ensure any water, gas, or oil zones encountered are isolated and shut off down to the casing point if run. The 4 1/2" production casing will be set at total depth or shallower depending upon the depth of the deepest commercial hydrocarbon bearing strata encountered.
- 5. No drill stem test or coring program is planned. The logging program may consist of a GR-CNL from surface total depth and FDC from casing point to total depth.
- 6. Anticipated drilling time is ten days with completion operations to follow as soon as a completion unit is available.

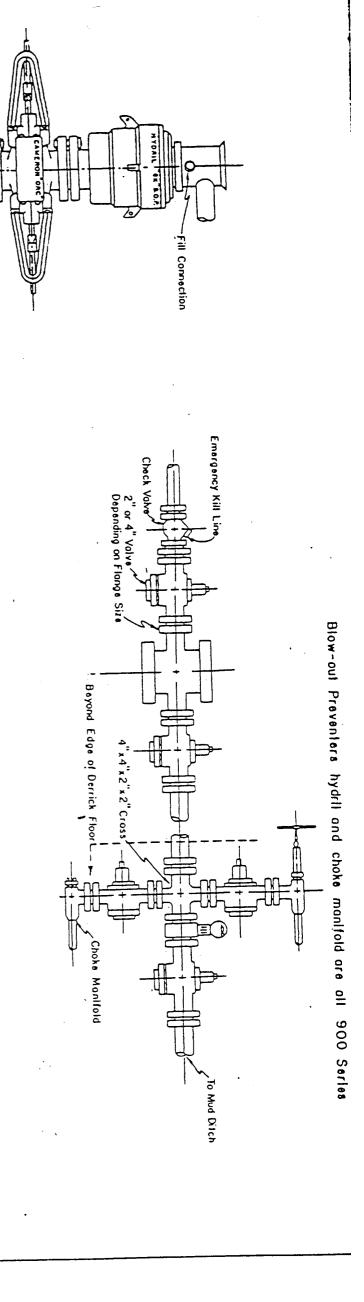






6-8" Watered & Compacted Caliche
ON PAD & ROAD IF NEEDED





3,000 PSI WORKING PRESSURE KILL, CHOKE, AND FILL CONNECTIONS

Minimum assembly for 3,000 PS1 working pressure will consist of three preventers. The bottom and middle preventers may be Cameron. DETAIL OF 4" FLOW LINE CHOKE ASSEMBLY

op Callor Wall

_ See Detail of 4"Flow Line and Choke Assembly

3,000 PSI WORKING PRESSURE BLOW-OUT PREVENTER HOOK-UP

NOTE: IYDRIL not installed on shallow-low pressure wells. RAM type BOPs are API 10" X 3000 PSI

