SUBMIT IN TRIPLICATE*

Form approved. Budget Bureau No. 42-R1425.

(Other instructions on reverse side)

UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

36 695 29055 5. LEASE DESIGNATION AND SERIAL NO. NM 020504, SF 078813

			EEPEN, OR PLU		<u></u>			
	RILL 🗓	DEEPEN [] PLUG	BACK 🗌	7. UNIT AGBREMENT NAME			
b. Type of well	GAS WELL OTHER			IULTIPLE .	S. FARM OR LEASE NAME			
NAME OF OPERATOR	WELL C. OTHER				FEDERAL			
MESA PETROI	LEUM CO				9. WELL NO.			
APPRESS OF OPERATO					6E			
1600 Lincoln	n, 2800 Lincoln C	enter, Denv	er, Colorado 8	3C 264	10. FIELD AND POOL, OR WILDCAT			
At SUPPRIOR OF WELL (Report location clearly and	in accordance with	any State requirements.	• •	BASIN DAKOTA			
1	750'/N & 805'/W			-	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA			
At proposed prod. z	one same				6-29N-11W			
A PAGE NOT IN MILES	S AND DIRECTION FROM NEAR	EST TOWN OR POST	OFFICE*		12. COUNTY OR PARISH 13. STATE			
4. DISTANCE IN MILES	S AND DIRECTION FROM MAR	EST TOWN OR TOST			SAN JUAN NEW MEXICO			
5. DISTANCE FROM PRO	DOCED*		16. NO. OF ACRES IN LEA	SE 17. NO	O. OF ACRES ASSIGNED			
LOCATION TO NEAR PROPERTY OR LEASE	ST	į		то	220 N 288.10			
(Also to nearest d	rlg. unit line, if any		768.1		TARY OR CABLE TOOLS			
 DISTANCE FROM PR TO NEAREST WELL, 	DRILLING, COMPLETEI,							
OR APPLIED FOR, ON T	whether DF, RT, GR, etc.)	<u>l</u>	6700	I NUI	TARY 1 22. APPROX. DATE WORK WILL START*			
	vhemer Dr. Ri, Git, (w.)							
5808 GL 3.		DODOSED CASINO	G AND CEMENTING P	ROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOO		н	QUANTITY OF CEMENT			
12 1/4	8 5/8	24	300 6700		625 sk			
7 7/8	5 1/2	15.5			02) BK			
				İ				
	this lease is dec	proposal is to deepe	en or plug back, give dat	a on present p	roductive zone and proposed new productive			
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OIL CONSERVATION DIVISION

STATE OF NEW MEXICO ENERGY AND MINERALS LIFE ARTMENT

P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

Form C-102 Revised 10-1-78

All distances must be from the cuter boundaries of the Section.

Cherator				Lease		Well No.					
MESA PETRO	LEUM COMPANY			FEDER	RAL			6-E			
Unit Letter	Section	Township		Flang	e	County		_			
E	6	29N			MLI	San	Juan				
Actual Footage Loc				0-4					_		
1750		North	line and	805	feet	from the		line			
Ground Level Elev.	Producing For	mation		Pool			□	edicated Acreage:	B.10 Acres		
5808	Dakota			Bas	sin Dakota			- 	Acres		
 Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 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? 											
Yes No If answer is "yes," type of consolidation											
sion.		·									
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250 660	90 132C 1050 198	0 2310 264	10 2000	1500	1000 50		November Registered Pro and/or Land S Fred B. Certificate No. 3950	of S. 1979 Defendence of the supply of the			

MESA PETROLEUM COMPANY

Formation Information and Drilling Practices

WELL:

Federal 6E

LOCATION:

1750'/N & 805'/W Sec.6-29N-11W San Juan Co., NM

LEASE NUMBER:

NM 020504 SF 078813

1. Surface Formation

Nacimento

2. Estimated Formation Tops

Ojo Alamo	597 '	Point Lookout	4367
Pictured Cliffs	1957	Greenhorn	6297
Cliff House	3641	Dakota	6477

3. Estimated Depth of Anticipated Water, Oil, Gas or Minerals

6477 Gas

4. Proposed Casing Program

0-300' 10 3/4", 40.5#, K-55 ST&C new casing. Cement w/300 sk. class "B" + 2% CaCl₂

0-6700' 5 1/2", 15.5# ST&C new casing. Cement 1st stage w/ 325 sk 50-50 Pozmix + 2% gel. Cement 2nd stage w/ 200 sk 65-35 Pozmix + 12% gel followed by 100 sk 50-50 Pozmix. Estimated cement top 500'.

5. Pressure Control Equipment - Blowout Preventer

The attached schematic shows the type of blowout preventer to be used while drilling. The unit will be tested to 800 psi prior to drilling from under surface pipe by pressuring through casing valves with blind ram closed. This procedure will be repeated with the pipe rams closed on a joint of drill pipe. Operation of the hydraulic system will be checked daily.

6. Drilling Fluids

Depth	Type	Vis	Weight	Fluid Loss
0-300	Gel-lime	35-45	8.6-9.0	N/L
300-6700	Low-solids	30-40	8.6-11.5	10

7. Auxiliary Equipment

- a. bit float
- b. stabbing valve to be used in drill pipe when the kelly is not connected
- c. rotating drilling head.

8. Logging - Coring - Testing

Logging: Intermediate: IES, FDC/CNL, Caliper, GR Liner: GR-Induction, FDC,

Caliper

Coring: None planned Testing: None planned

9. Abnormal temperatures, pressures, or Potential Hazards

None expected.

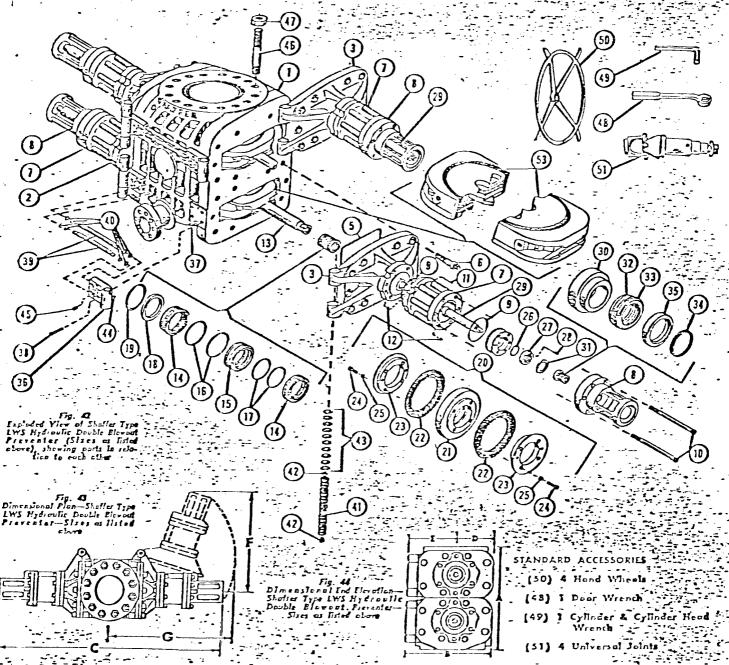
10. Starting Date

Anticipated starting date is December 15, 1979. Approximately 15 days will be needed to build roads, location and drill to total depth. Completion will commence immediately and require approximately 20 days.

SHAFFER HYDRAULIC BLOWOUT PREVENTERS

TYPE LWS PREVENTERS—8", 3000 Lb. & 5000 lb.—10", 5000 Lb. 12", 3000 Lb.—73%", 5000 Lb.—16", 3000 Lb.

PARTS AND DIMENSIONAL ILLUSTRATIONS -



DIMENSIONAL AND ENGINEERING DATA ON ABOVE SIZES OF TYPE LWS PREVENTERS

																				
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MESA PETROLEUM COMPANY

Surface Use Plan

WELL:

Federal 6E

LOCATION:

1750'/N & 805'/W

Sec.6-29N-11W

San Juan Co., NM

LEASE NUMBER:

NM 020504

SF 078813

1. Existing Roads (shown in green)

The attached topographic map shows all existing roads within one mile of the proposed location. The access road will join an existing lease road.

2. Planned Access Road

The access road will be approximately 1200' long and 20' wide. No turnouts will be needed. Water bars will be used to aid drainage and prevent erosion. Maximum grade will be about 5%. No fences or cattleguards will be crossed.

3. Location of Existing Wells

All wells (water, oil, gas, disposal and drilling) are shown and so labeled on the topographic map.

4. Location of Tank Batteries, Prod. Facilities, Prod. Gathering & Service Lines All production facilities are to be contained within the proposed site. Other facilities operated by Mesa are shown on the attached topographic map.

5. Location of Water Supply

Water for drilling will be trucked from Bloomfield, NM approximately 8 miles south of the location. Water is privately owned.

6. Source of Construction Materials

Any construction material required for road or location will be excess material accumulated from building such sites.

7. Methods of Handling Waste Disposal (refer to attached well site layout)

All burnable material will be burned in the trash pit when conditions permit. All nonburnable material (drilling fluids, cuttings, chemicals, etc.) will be held in the reserve pit and buried when dry. Any oil produced while drilling will be trucked from the location prior to leaving the pit to dry. Pits will be fenced during dryout time, then completely backfilled with dirt prior to preparing the location for production or abandonment. Material that cannot otherwise be safely disposed of will be carried to a sanitary land fill.

8. Ancillary Facilities

No ancillary facilities are planned.

9. Well Site Layout

The attached layout shows the drilling rig with all facilities. Cut and fill required is also indicated.

10. Plans for Restoration of Surface

Restoration of well site and access road will begin within 90 days of well completion, weather permitting. Should the well be abandoned, the drilling site will be reshaped to its approximate former contour. The access road will be plowed and leveled. Both site and road will have topsoil replaced and will be reseeded when germination can occur.

Should the well be commercial, that portion of the location not needed for operation will be repaired as above. The portion needed for daily production operations, and the access road, will be maintained in good repair.

In either case, cleanup of the site will include burning any safely burnable material, filling of all pits, carrying away of all nonburnable material and chemicals that cannot be buried. Any oil that has accumulated on the pits will be trucked away.

11. Other Information

This well is located about 8 miles north of Bloomfield, NM. The area is rugged and covered with sagebrush, yucca, Pinon and Cedar trees. The soil is a sandy clay. Small animals and rodents inhabit the area.

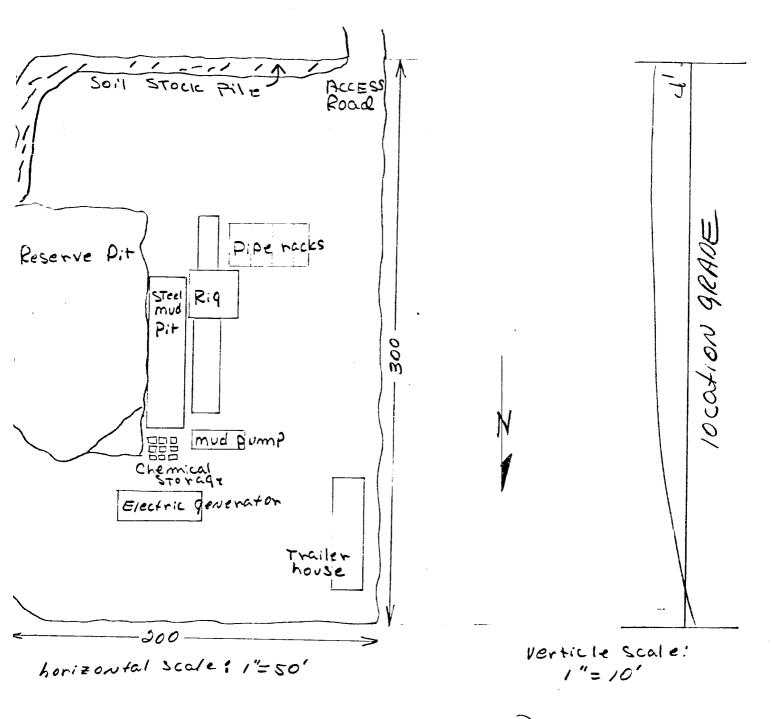
Surface belons to the Bureau of Land Management. There are no occupied dwellings in the area. No artifacts were noticed.

12. John Alexander
3E Company, Inc.
P.O. Box 190
Farmington, NM 87401
Phone: 505-327-4020

13. I hereby certify that I or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in the plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Mesa Petroleum Co. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

11-21-79 DATE

JA:cp



MESA POLYPOLEUM CO.

location GPADE

