CONDITIONS OF APPROVAL, IF ANY:

SUBMIT IN PLICATE* (Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

UNITED STATESESSIO DEPARTMENT OF THE INTERIOR

31)-	-011	7-2	63	79
5. LEASE	DESIGNAT	TION AND	SERIAL	NO.

		SIGN SUDV					
		GICAL SURV				LC-029388 - D 6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
APPLICATION	Y FOR PERMIT	TO DRILL, I	DEEP	EN, OR PLUG B	<u>ACK</u>	U. IS INDIAN, ALLOTTEL OR TRIBE NAME	
la. TYPE OF WORK		DEEDEN		PLUG BAC	~v [7. UNIT AGREEMENT NAME	
DKI b. TYPE OF WELL		DEEPEN		PLUG BAC	-r 🗀	Voluntary	
OIL GT GA	AS OTHER			INGLE MULTIP	LE _	8. FARM OR LEASE NAME	
2. NAME OF OPERATOR	<u> </u>					Johnson B Federal A/C	
Marathon Oil	Company 🖔					9. WELL NO.	
3. ADDRESS OF OPERATOR				RECEIVEL	`	9	
P. O. Box 552	2, Midland, TX	79702				10. FIELD AND POOL, OR WILDCAT	
4. LOCATION OF WELL (R At surface	eport location clearly and		_	State requirements.*)	×	Tamano (Bone Spring) 11. sec., T., B., M., OR BLK.	
2310 FNL & 6 At proposed prod. zon		nut.	, E	MAY 25 '9	10	AND SURVEY OR AREA	
2310' FNL & C	600' FWL					Sec. 11, T-18-S, R-31- 12, COUNTY OR PARISH 13, STATE	
14. DISTANCE IN MILES			T OFFIC				
10 miles ESE 15. DISTANCE FROM PROPO	of Loco Hills,	NM	1 1 8 W	ARTESIA OFFI		Eddy NM	
LOCATION TO NEAREST PROPERTY OR LEASE I	r		10		TO T	HIS WELL	
(Also to nearest drig	g. unit line, if any)	30'	19 P	160 ROPOSED DEPTH	1	40 20. ROTARY OR CABLE TOOLS	
18. DISTANCE FROM PROP TO NEAREST WELL, D OR APPLIED FOR, ON TH	RILLING, COMPLETED,	5601	1	9000'		Rotary	
21. ELEVATIONS (Show who		.560'	<u> </u>	3000	1 10	22. APPROX. DATE WORK WILL START*	
27281	CI 27/1/1 7				-	June 15, 1990	
23.	2////	PROPOSED CASI	NG AN	D CEMENTING PROGRA	ıM.		
		, -		SETTING DEPTH		QUANTITY OF CEMENT	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER F	OOT	750	835	sx - circulate	
<u>17-1/2"</u>	13-3/8" 8-5/8"	48 24 & 32		2450'		sx - circulate	
7-7/8"	5-1/2"	15.5 & 17	 7	9000'	1500	SX	
All casing warproved met	hods.	cemented in		ordance with re		HPI	
Blowout prev	ention equipmen	nt will be	appli	ed as outlined	in Add	litional Information.	
See attached		rface Use P		and Additional		ition for	
AFFRONAL SUB	LLUT TO						
	IREMENTS AND					E VE	
SPECIAL STIPU						۷.	
ATTACHED							
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
zone. If proposal is to preventer program, if an	drill or deepen direction	proposal is to dee	pen or t data	plug back, give data on p on subsurface locations as	resent prod nd measure	d and true vertical depths. Give blowout	
24.	16	1		- 1111		dile.	
SIGNED	Muygo	TI	TLE	Drilling Superi	ntender	DATE S/V/78	
(This space for Fede	eral or State office use)						
DDD 14-7 NO				APPROVAL DATE			
PERMIT NO.				The state of the state of the		5 71162	
APPROVED BY	way and the second		TLE	The state of the state of the	· 	DATE 52490	

Submit to Appropri District Office State Lease - 4 cor Fee Lease - 3 copi

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT II P.O. Drawer DD, Artesia, NM \$4210

DISTRICT | P.O. Box 1980, Hobbs, NM 88240

WELL LOCATION AND ACREAGE DEDICATION PLAT

1000 Rio Brazos Rd., Azzec, NM 87410 All Distances must be from the outer boundaries of the section Well No. Operator 9 Johnson B Fed. A/C 1 MARATHON OIL CO. County Township Unit Letter Eddy 31 East 18 South 11 Actual Footage Location of Well: feet from the Wast 600 2310 North line and feet from the Dedicated Acreage: Pool Producing Formation Ground level Elev. 40 Tamano Bone Spring Bone Spring Carbonate Acres 3740.7 1. Outline the acreage dedicated to the subject well by colored peacil or hackure 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 interest of all owners been consolidated by communitization, unitization, force-pooling, etc.? If answer is "yes" type of consolidation Yes ☐ No ver is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) this form if neccessary. or until a non-standard unit, eliminating such interest, has been approved by the Division. OPERATOR CERTIFICATION I hereby certify that the information contained herein in true and complete to the best of my knowledge and belief. 2310 Printed Name S. L. Atnipp **Position** Drilling Superintendent Company Marathon Oil Company Date ---3738.9 3739.9----600-SURVEYOR CERTIFICATION 3741.3 3738.9 I hereby certify that the well location show on this plat was plotted from field notes of ade by me or under my actual surveys m supervison, and that the same is true and correct to the best of my knowledge and belief. Date Surveyed April 26, 1990 Signature & Seal of Professional Surveyor 676 3239 RONALD & EIDSON, 1000 500 • 1900 2310 1500 2000 1320 1650 2640

MULTIPOINT SURFACE USE AND OPERATIONS PLAN

Marathon Oil Company

JOHNSON "B" FEDERAL A/C 1 #9
2310' FNL & 600' FWL
Section 11, T-18-S, R-31-E
Eddy County, New Mexico
Lease: LC-029388

This plan is submitted with the Application for Permit to Drill the above described well. The purpose of this plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of necessary surface disturbance involved, and the procedure to be followed in rehabilitating the surface after the completion of all operations so that a complete appraisal can be made of the environmental effects associated with the proposed operations.

1. Existing Roads

Exhibit "A" is a portion of a topographic map showing the location of the proposed well as staked. Proceed west from Hobbs, NM, on U.S. Highway 180. Turn west on NM Highway 529. After 31 miles, turn west on U.S. Highway 82 for 1/2 mile to Highway 222. Turn south on Highway 222 for 2 miles to caliche road, NM 249. Go east 1.3 miles. Turn N.E. on dirt road for 1.3 miles; turn north on dirt road for .7 mi. to location. All existing roads used to access the proposed location shall be maintained in the same or better condition than presently found.

2. Planned Access Roads

A. Length and Width

No access road will be needed as the location falls beside an existing resource road.

B. Surfacing Material

None required.

C. Maximum Grade

Three Percent (3%)

D. Turnouts

None Required

E. Drainage Design

Natural drainage.

F. Culverts

None required.

G. Cuts and Fills

None required.

H. Gates, Cattlegaurds and Fences

None Required.

Location of Existing Wells

Exhibit "B" is a map showing the location of all the wells within a one mile radius of the proposed well.

4. Location of Existing and Proposed Facilities

- A. Exhibit "C" is a map of the existing roads with the proposed well location.
- B. In the event of a producible oil well, oil will be stored at the battery location on the Johnson "B" Federal #9 pad with production metered at the location. The gas will be piped to existing flow lines in a manner to be determined at a later date.

5. Location and Type of Water Supply

Water will be furnished and trucked by a Contractor.

6. Source of Construction Materials

Caliche for surfacing the drilling pad will be obtained from a pit in the NW/4, SW/4 and NE/4 of the NW quarter section of Section 15, T-18-S, R-31-E. This area has been cleared for construction by the following archaeological clearance numbers, #85-195, #85-345.

7. Methods of Handling Waste Disposal

- A. Drill cuttings will be disposed of in the drilling pits.
- B. Drilling fluids will be vacuumed from the reserve pit and hauled to an approved disposal well. Reserve pit contents will be allowed to dry and pitwalls backfilled. All areas of the pad and reserve pit not necessary to production will be re-contoured. Top soil will be redistributed and reseeded with the recommended seed mixture.
- C. Water produced during tests will be disposed of in the drilling pits and hauled to an approved salt water disposal well.
- D. Current laws and regulations pertaining to the disposal of human waste will be complied with.
- E. Trash, waste paper, garbage, and junk will be stored in a trailer on location and hauled to an approved disposal site.
- F. All trash and debris will be removed from the wellsite within 30 days after finishing drilling and completion operations.

8. Ancillary Facilities

None required.

9. Wellsite Layout

Exhibit "D" shows the relative location of the rig components and reserve pits.

10. Plans for Restoration of Surface

- A. After finishing drilling and completion operations all equipment and other materials not necessary for operations will be removed. Pits will be filled and leveled and the location cleaned of all trash and junk to leave the wellsite in an aesthetically pleasing condition as is possible.
- B. Any unguarded pits containing fluids or trash will be fenced until they are filled or leveled.

- C. After abandonment of well, equipment will be removed, the location will be cleaned, and the pad and access road will be ripped and returned to as near the original appearance as is possible.
- D. In the event of a producer, the land not necessary for production operations will be re-contoured and seeded with the recommended mixture submitted by the BLM.

11. Other Information:

A. Topography

The location is situated on a duned landform.

B. Soil

Typic Torripsamment subgroup.

C. Flora and Fauna

The vegetation cover consists of native range grasses with yucca plants, cactus and mesquite. Wild life in the area includes rabbits, dove, quail, and other inhabitants typical of semi-arid climate.

D. Ponds and Streams

Local drainage in this area is internal.

E. Residence and Structures

None nearby.

F. Archaeological, Historical and Cultural Sites

None observed in the area. The Archaeological Inspection Report is being forwarded by Archaeological Consultants, Inc.

G. Land Use

Grazing with hunting in season.

H. Surface Ownership

The proposed wellsite is on land owned by the Federal Government.

12. Operators Representative

Stanley L. Atnipp P. O. Box 552 Midland, TX 79702 (915) 682-1626

13. Certification

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

Marathon Oil Company

MARATHON OIL COMPANY

JOHNSON "B" FEDERAL A/C 1 #9 ADDITIONAL INFORMATION Comply with Order 1

In conjunction with Form 9-331C, Application to drill subject well, Marathon Oil Company submits the following items of information in accordance with BLM requirements:

1. <u>Geological Name of Surface Formation</u>

Quaternary Alluvium

2. Estimated Tops of Important Geological Markers

Rustler	810′	Delaware	4710 <i>′</i>
Base of Salt	2120'	Bone Spring	5890 '
Yates	2280′	1st Sand	7580 <i>′</i>
Seven Rivers	2650'	2nd Carb	7890 <i>'</i>
Queen	3335′	2nd Sand	8190′
Grayburg	3900 <i>′</i>	3rd Carb	8840′
San Andres	4430'		

3. Estimated Depths of Anticipated Water, Oil or Gas Bearing Formations

Yates (water)	2280′	Bone Spring	5890′
Seven Rivers (water)	2650′	1st Sand (water & oil)	7580′
Queen (water & oil)	3335′	2nd Carb (water & oil)	7890 ′
Grayburg (water & oil)	3900′	2nd Sand (water & oil)	8190′
San Andres (water & oil)	4430'	3rd Carb (water & oil)	8840′
Delaware (water & oil)	4710 <i>'</i>		

4. Casing and Cementing Program

13-3/8" Surface to 750': Cement to sur

Cement to surface with 835 sxs Class

"C" with 2% CaCl₂

8-5/8" Intermediate to 2450':

Cement to surface with 1100 sxs Modified Lite followed by 250 sxs

Class "C" with 2% CaCl₂

5-1/2" Production to 9000':

Cement to 2200' with 1500 sxs Class "H" PozMix. Stage tool @ \pm 7400'

Pressure Control Equipment (Exhibit E)

13-3/8" Surface:

13-5/8" 3000 psi working pressure annular preventer tested to 2000 psi

13-5/8" 3000 psi working pressure pipe and blind rams tested to 3000 psi

8-5/8" Intermediate:

11" 3000 psi working pressure annular preventer tested to 2000 psi

11" 3000 psi working pressure pipe rams and blind rams tested to 3000 psi Choke manifold tested to 3000 psi

Additional Information Page 2

6. Proposed Mud Program

0 - 750 Native; Mud Wt: 8.3 - 9.2, Viscosity 28-34 Sec

750 - 2,700 Brine Water; Mud Wt: 9.0 - 10.0, Viscosity 28-32 Sec

2,700 - 7,000 Fresh Water; Mud Wt: 8.6 - 8.8, Viscosity 28-32 Sec

7,000 - 9,000 Fresh Water; Mud Wt: 8.8 - 9.2, Viscosity 32-44 Sec

7. Auxiliary Equipment

A safety valve and subs to fit all strings will be kept on the floor at all times. An upper kelly cock valve will be utilized with the handle available on the rig floor.

8. Testing, Logging, and Coring Programs

A. Coring Program:

None anticipated.

B. Testing Program:

None anticipated.

C. Logging Program:

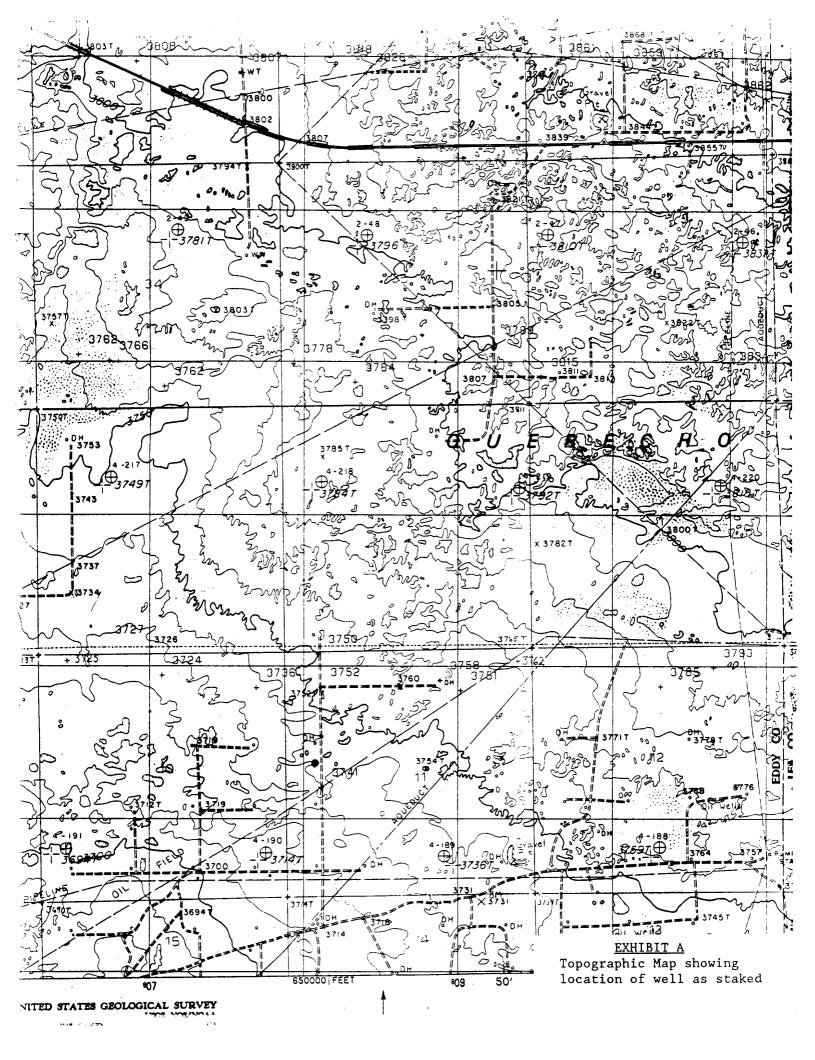
TD-Surface - GR-DIL, GR-LDT-CNL, TD-TOP of Bone Spring, GR-LSS, NGT, DLL-MSFL.

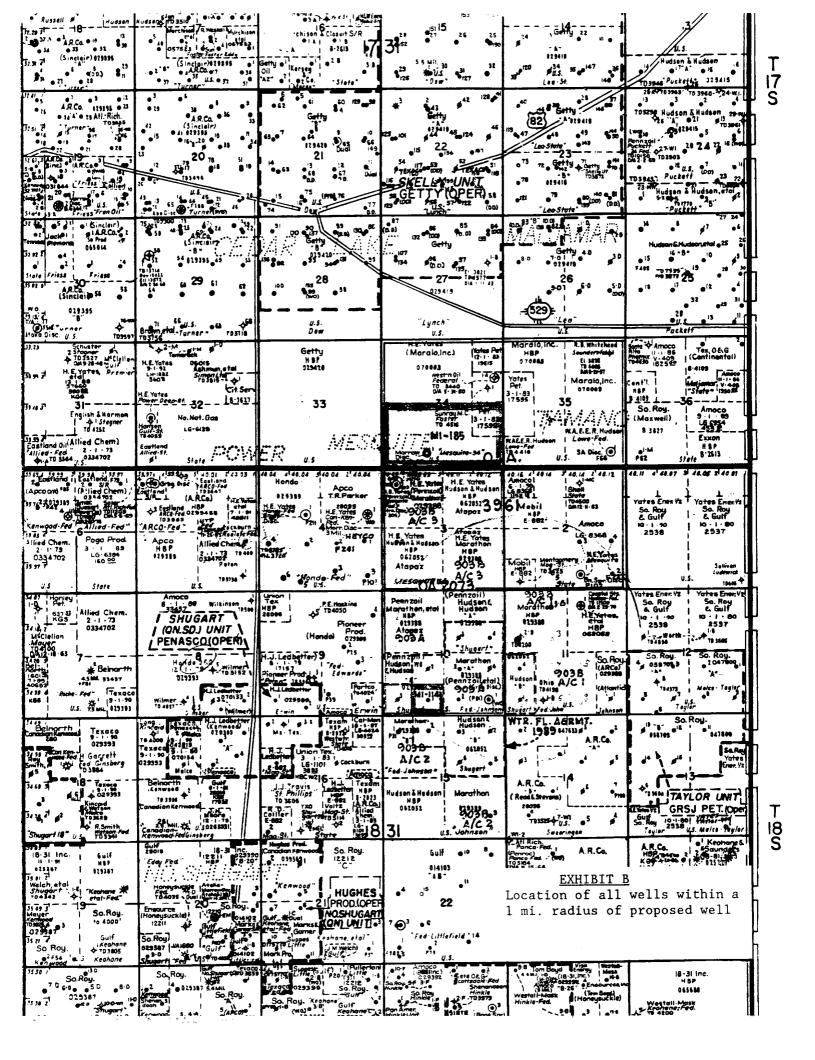
9. <u>Abnormal Pressures, Temperatures or Potential Hazards</u>

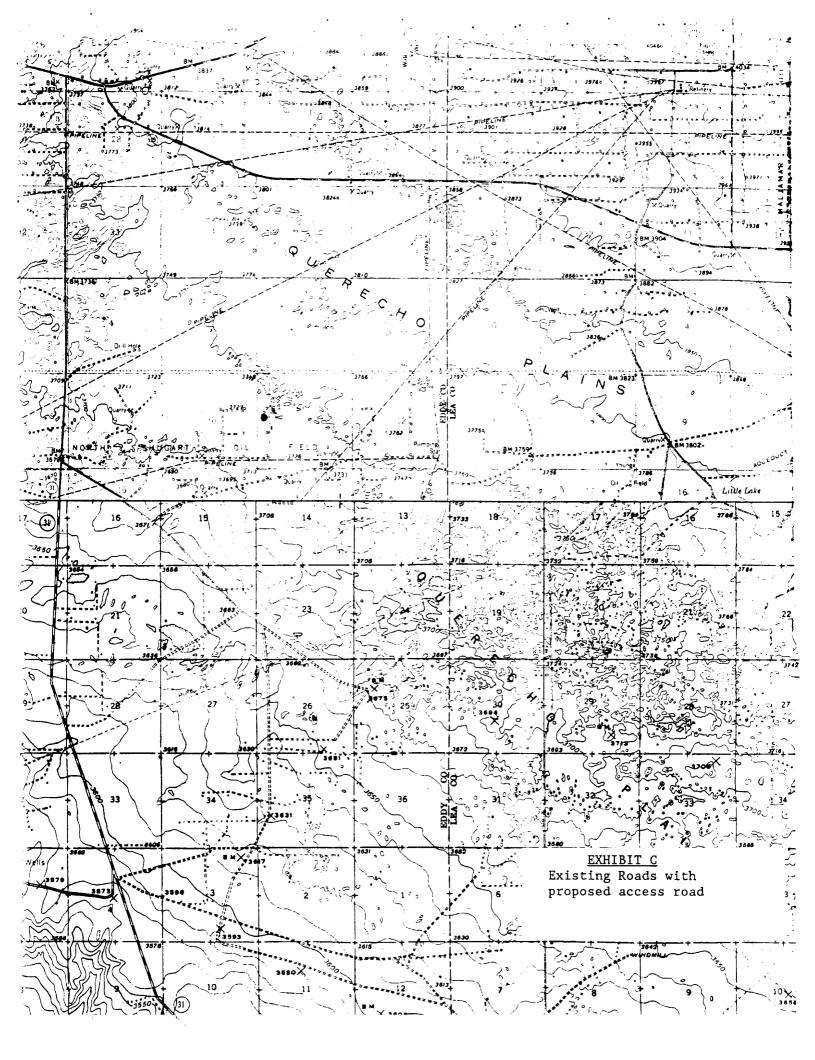
None anticipated

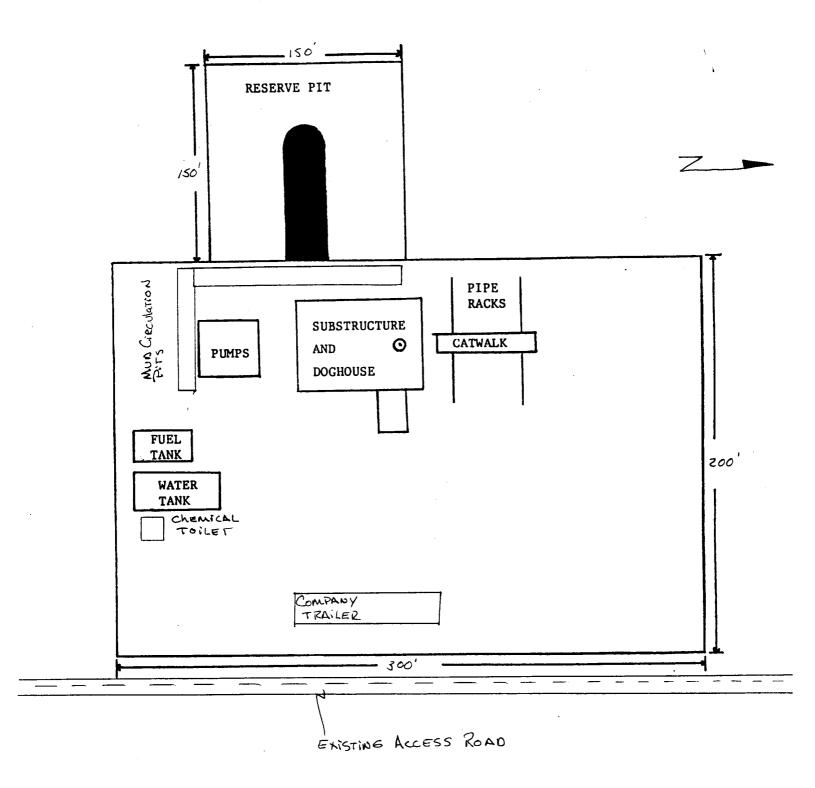
10. Anticipated Starting Date

As soon as possible









 $\frac{\text{EXHIBIT } D}{\text{Relative location of rig}}$ components & reserve pit

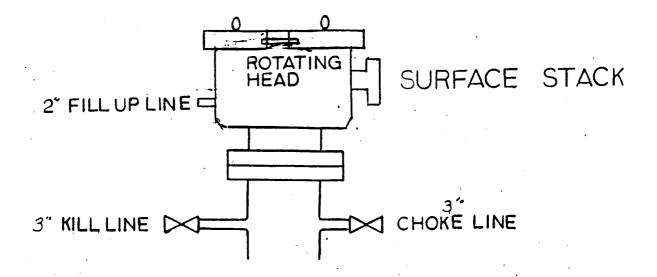


EXHIBIT "E"

Pressure Control Equipment

