

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐OTHER ☐SINGLE
ZONE ☐ RECEIPT ☐ MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Marathon Oil Company

3. ADDRESS OF OPERATOR

P. O. Box 552 Midland, TX 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface 2310' FNL & 2160' FWL

At proposed prod. zone Same as above.

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

10 miles ESE from Loco Hills, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any) 330' & 480'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

914.3'

16. NO. OF ACRES IN LEASE

960.26

19. PROPOSED DEPTH

9000'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3736.6 GL

22. APPROX. DATE WORK WILL START*

As Soon As Possible

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	48	750'	835 sx - circulate
11"	8 5/8"	24, 32	2700'	1350 sx - circulate
7 7/8"	5 1/2"	15.5	9000'	1500 sx

Propose to drill no deeper than 9000'.

All casing will be cemented in accordance with Regulations and by approved methods.
Blowout Preventors will be as outlined in Additional Information (see Exhibits).

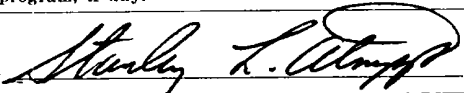
RECEIVED

MAY 13 11 00 AM '88
GEOLOGICAL SURVEY
ARLINGTON, VAPost 10-L
NL & API
6-10-88

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED



TITLE Dist Drlg Superintendent

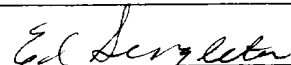
DATE 5-12-88

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY



TITLE

DATE 6.3.88

DATE 6.3.88

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-122
Supersedes C-128
Effective 1-1-85

All distances must be from the outer boundaries of the Section

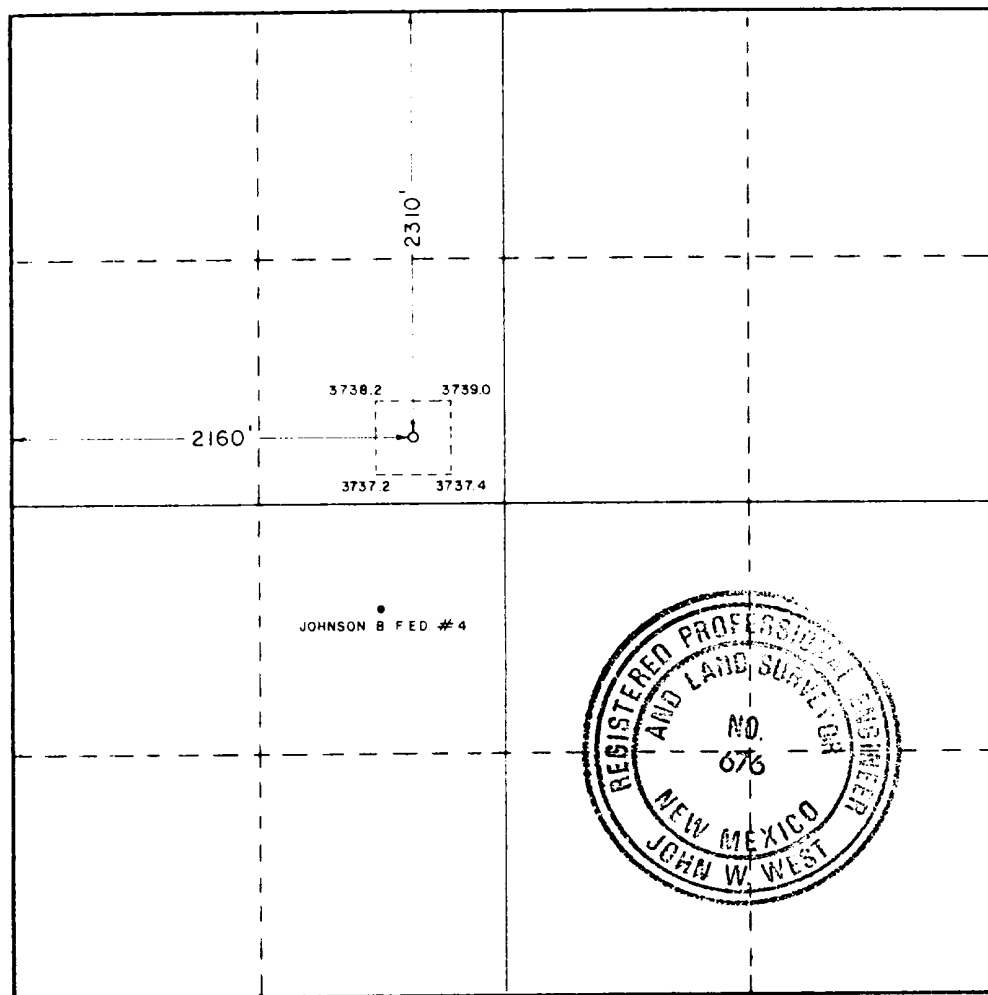
Lessor Marathon Oil Company			Lease Johnson B Federal A/C-1		Well No. 7
Tract Letter F	Section 11	Township 18 South	Range 21 East	County Elddy	
Actual Footage Location of Well: 2160 feet from the NORTH line and 2160 feet from the WEST line					
Ground Level Elev. 3735.6	Producing Formation Bone Springs	Pool TAMANO BONE SPRING	Dedicated Acreage 40		

- 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 _____

If answer is "no," list the owners 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 Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Stanley L. Eidson
Signature

Dwelling Dept.
Position

Marathon Oil Company
Company

5/12/88
Date

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
May 4, 1988

Registered Professional Engineer and/or Land Surveyor

Ronald J. Eidson
Signature

Certificate No. JOHN W. WEST, 676
RONALD J. EIDSON, 3239

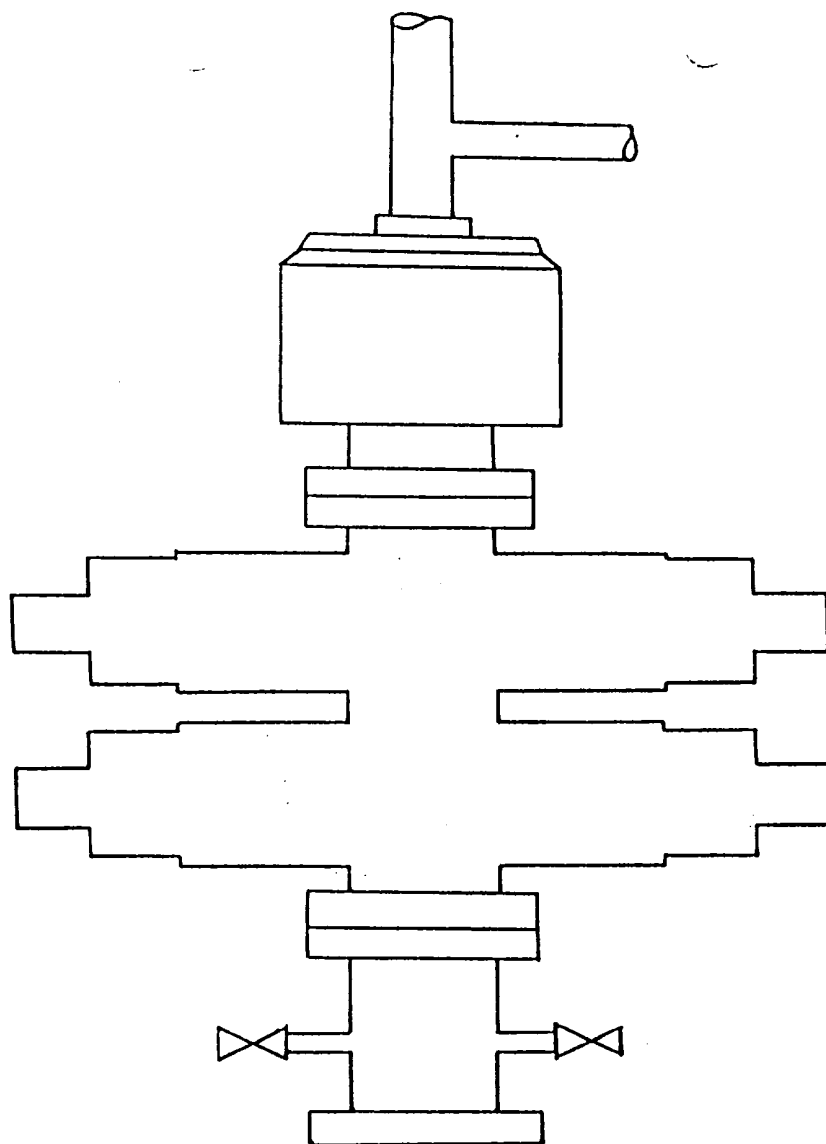


EXHIBIT "A"
Johnson "B" Federal A/C-1 #7
BOP Stack Arrangement
13 3/8" Surface Casing

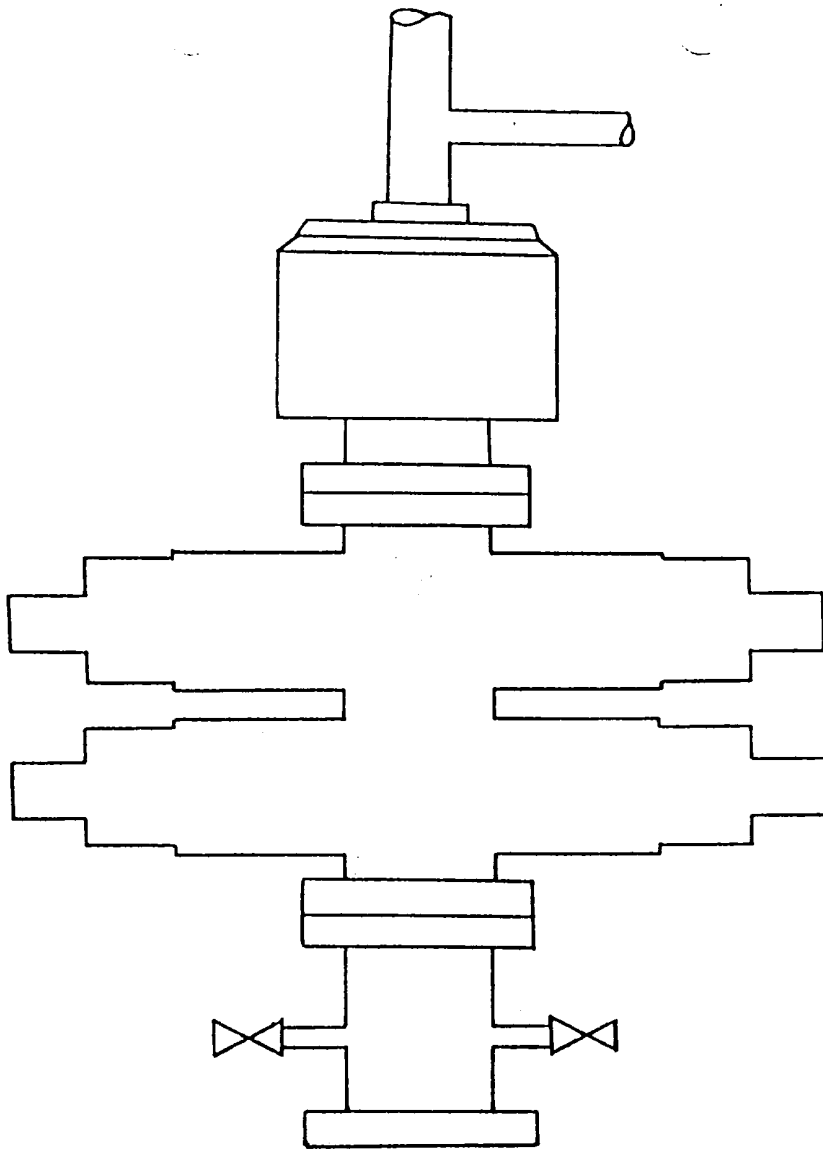


EXHIBIT "B"
Johnson "B" Federal A/C-1 #7
BOP Stack Arrangement
8 5/8" Intermediate Casing

MARATHON OIL COMPANY

JOHNSON "B" FEDERAL A/C-1 #7
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 informations in accordance with BLM requirements:

1. Geologic Name of Surface Formation

Quaternary Alluvium

2. Estimated Tops of Important Geologic Markers

Rustler	800	Bone Spring	5690
Yates	2270	1st Sand	7535
Seven Rivers	2730	2nd Carb	7845
Queen	3325	2nd Sand	8140
Grayburg	3750	3rd Carb	8810
San Andres	4270		
Delaware	4565		

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

Yates (Water)	2270	Bone Spring	5690
Seven Rivers (Water)	2730	1st Sand (Water & Oil)	7535
Queen (Water & Oil)	3325	2nd Carb (Water & Oil)	7845
Grayburg (Water & Oil)	3750	2nd Sand (Water & Oil)	8140
San Andres (Water & Oil)	4270	3rd Carb (Water & Oil)	8810
Delaware (Water & Oil)	4565		

4. Casing and Cementing Program

13 3/8" Surface to 750':	Cement to surface with 835 sxs Class "C" with 2% CaCl ₂
8 5/8" Intermediate to 2700':	Cement to surface with 1100 sxs Modified Lite followed by 250 sxs Class "C" with 2% CaCl ₂
5 1/2" Production to 9000':	Cement to 2200' w/1500 sxs Class "H" Pozmix

5. Pressure Control Equipment (Exhibits A & B)

13 3/8" Surface:	11" 3000 psi working pressure annular preventor tested to 2000 psi
	11" 3000 psi working pressure pipe and blind rams tested to 3000 psi
8 5/8" Intermediate:	11" 3000 psi working pressure annular preventor tested to 2000 psi
	11" 3000 psi working pressure pipe rams and blind rams tested to 3000 psi

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	Cut Brine; Mud Wt: 8.6-8.8, Viscosity 28-32 Sec
7,000 - 9,000	Cut Brine; Mud Wt: 8.8 - 9.2, Viscosity 32-44 Sec

7. Auxiliary Equipment

A stabbing valve will be kept on the floor to be used when the kelly is not in the string.

8. Testing, Logging, and Coring Programs

A. Coring Program:

None anticipated

B. Testing Program:

None anticipated

C. Logging Program:

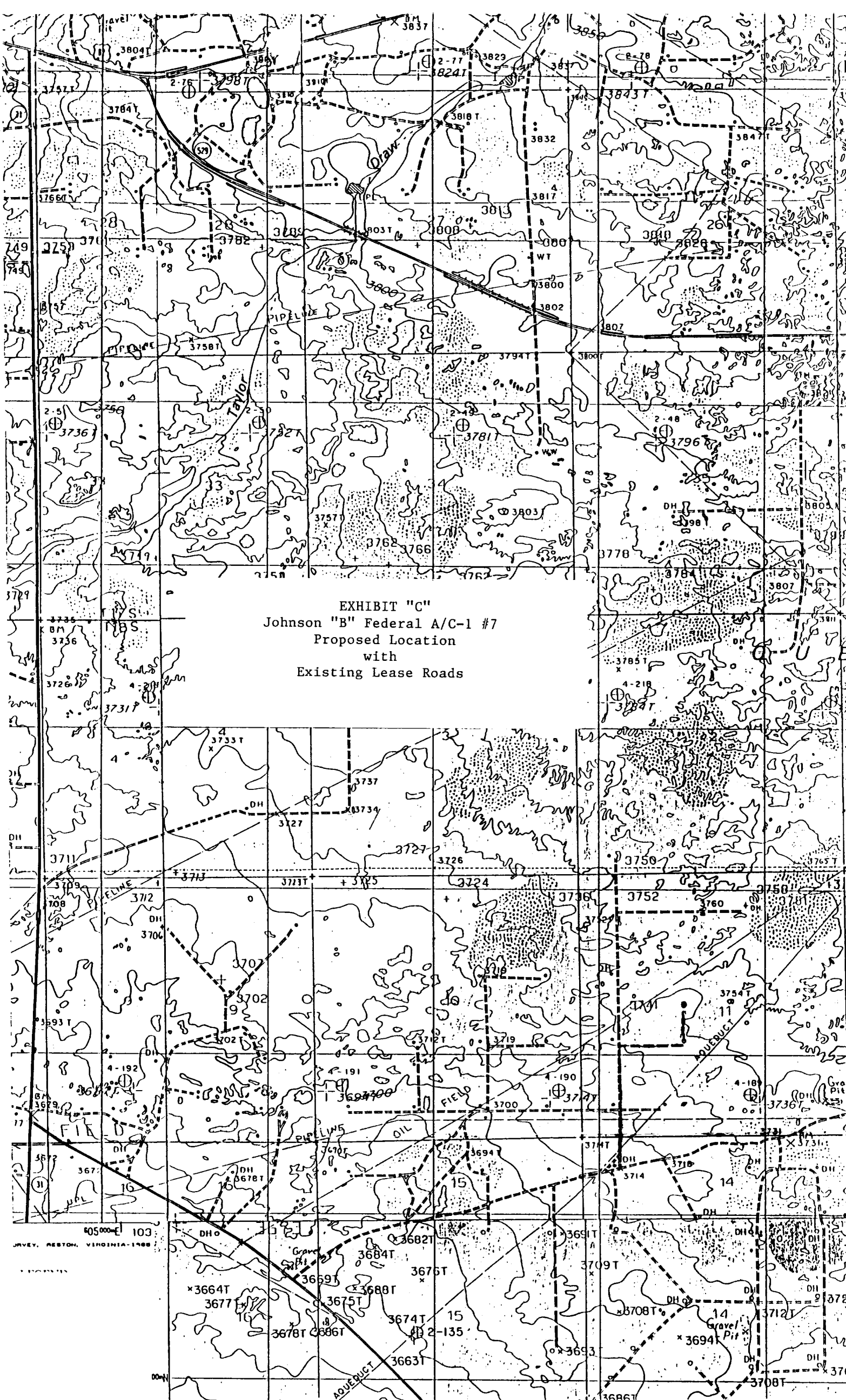
TD to Intermediate casing - LDT-CNL, DLL

9. Abnormal Pressures, Temperatures or Potential Hazards

None are anticipated

10. Anticipated Starting Date:

As soon as possible



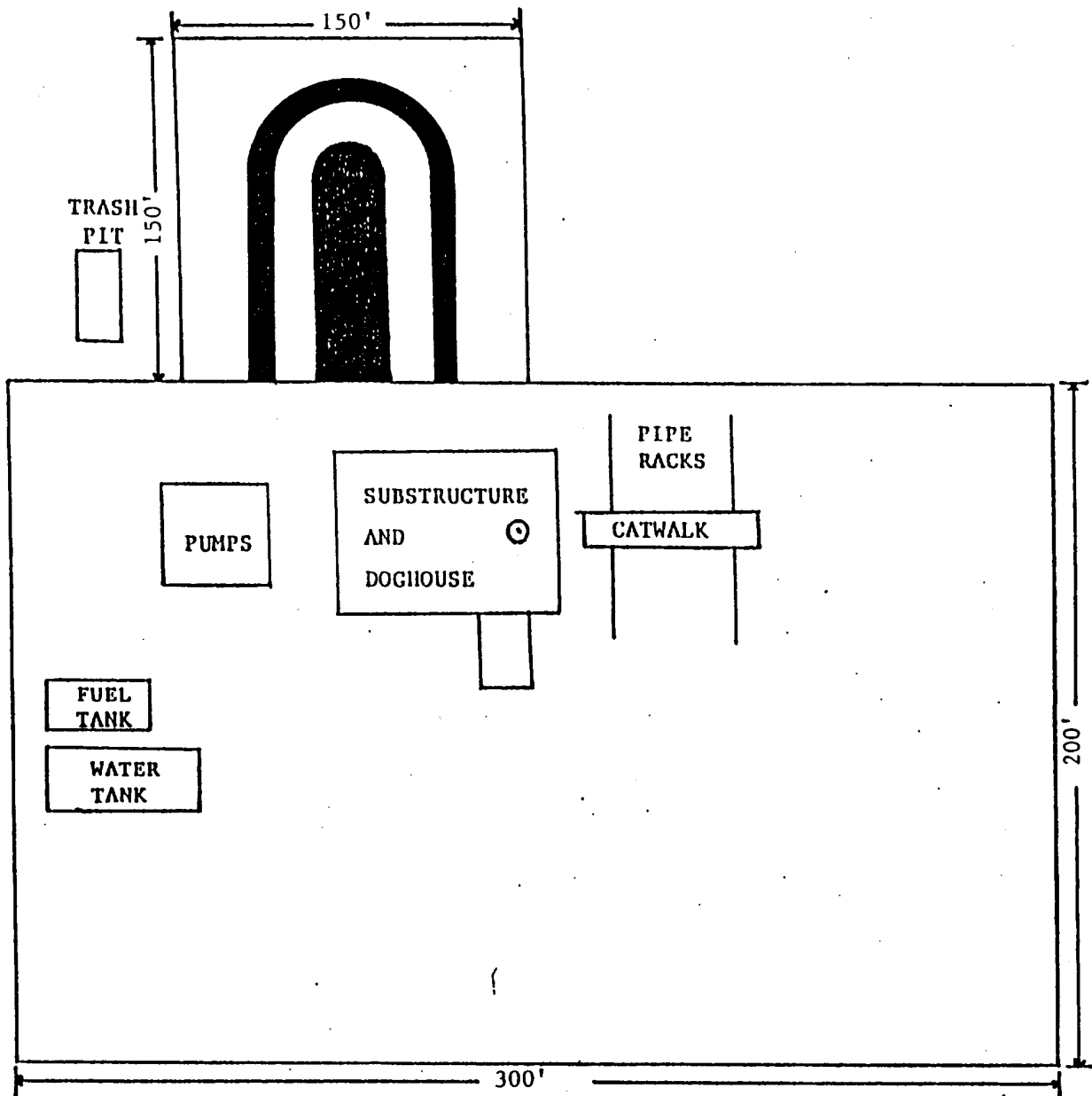


EXHIBIT "E"
 Johnson "B" Federal A/C-1 #7
 Relative Location
 of
 Rig Components