

NM OIL CONS. COM. 70N
Dr. 00
Alameda, NM 88345RECEIVED BY
DEPARTMENT OF THE INTERIOR
NOV 15 1984
GEOLOGICAL SURVEY(Other ins
revers e)

30-015-25090

5. LEASE DESIGNATION AND SERIAL NO.

LC 058594-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Levers Federal

9. WELL NO.

8

10. FIELD AND POOL, OR WILDCAT

Cave - G - Off

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec. 33-T16S-R29E

12. COUNTY OR PARISH

Eddy

13. STATE

NM

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐ ARTESIA, OFFICEPLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

J.E.M. Resources Inc. DIAMONDBACK PETROCEUM INC

3. ADDRESS OF OPERATOR

P.O. Box 2938, Ruidoso NM. 88345

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

At surface

1980 FSL & 990FEL

At proposed prod. zone

Same

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

6 miles northwest of Loco Hills NM

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drig. unit line, if any)

990

16. NO. OF ACRES IN LEASE

80

17. NO. OF ACRES ASSIGNED

TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*

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

330

19. PROPOSED DEPTH

3500

20. ROTARY OR CABLE TOOLS

Rotary

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

3604 Gr.

22. APPROX. DATE WORK WILL START*

10/84

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24	270	250 sxs circulated
7 7/8	5 1/2	15.5	3500	650 sxs circulated

Mud Program:

0-270 Fresh water and spud mud

270-3500 Brine water and salt gel

BOP:

At 270 install and test to 3000# the Regan
Blowout-preventer see exhibit "D"

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 Consulting Geologist

DATE 9/28/84

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

AREA MANAGER
CARLENE BLOOM

DATE

11-14-84

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

All Distances must be from the outer boundaries of the Section.

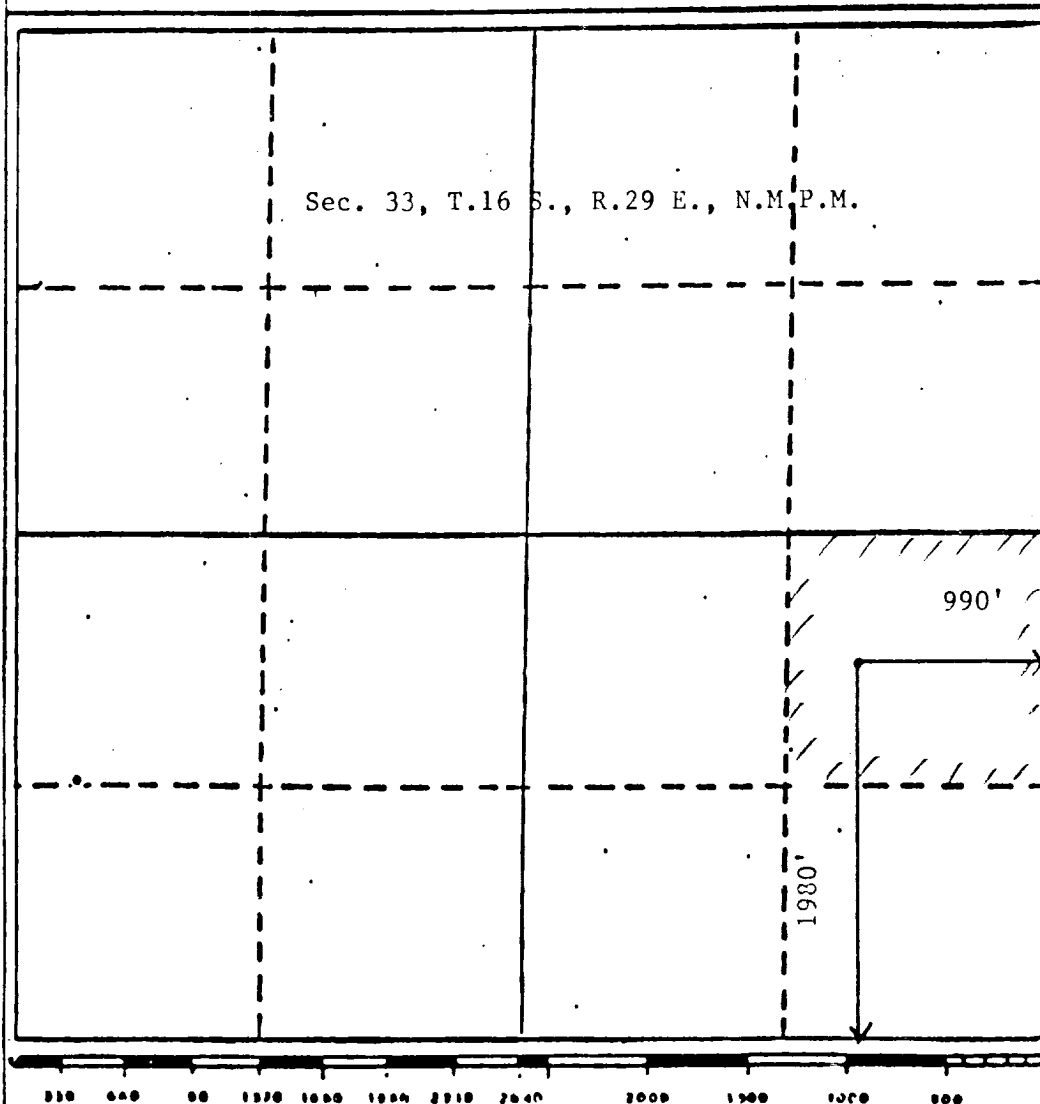
Operator <u>J.E.M. Resources</u>		Lease <u>Levers Federal</u>		Well No. <u>8</u>	
Unit Letter <u>I</u>	Section <u>33</u>	Township <u>16 South</u>	Range <u>29 East</u>	County <u>Eddy</u>	
Actual Postage Location of Wells					
1980 feet from the South line and		990 feet from the East line			
Ground Level Elev. <u>3604'</u>	Producing Formation <u>San Andres</u>		Perforations <u>Cave</u>		Dedicated Acreage <u>40</u> Ac.

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 work 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?

☐ 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 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 contained herein is true and complete to the best of my knowledge and belief.

Name Randall L. Harris

Position Geologist

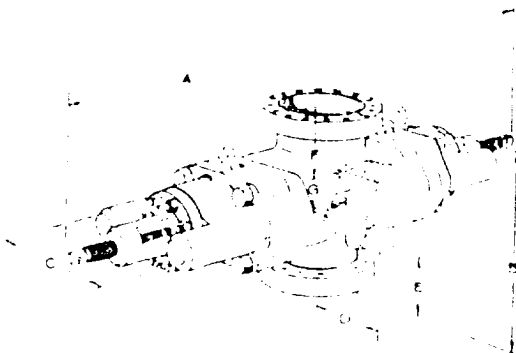
Company JEM Resources Inc

Date 9/28/84

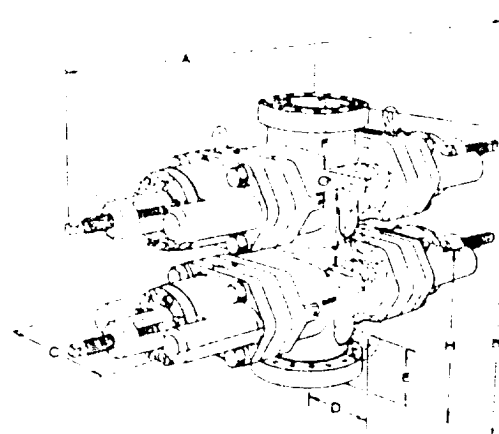
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

JOHN D. JAKUES
Date Surveyed September 19, 1984
Division of Oil Conservation and Management
South of Jackson, N.E. & L.
Certificate No. 6290

U BLOWOUT PREVENTER ENGINEERING DATA



Single Open Face Flanged U Blowout Preventer



Double Open Face Flanged U Blowout Preventer

Side Outlets to 4" size (2 1/2" for 2 3/4" preventers) can be provided beneath each set of rams, on either or both sides of preventers. Side outlet flange is on outside face and have the same pressure rating as the vertical ram flanges. Valve removal preparations can be provided. To obtain a quotation, the number and size of outlets should be specified.

Flanges conform to API Standard 6A. Type 6BX flanges are standard for 10,000 psi, 15,000 psi, and 20,000 psi working pressures and for 5000 psi working pressures for 13 5/8" and larger bore preventers.

Although most preventers have open face flanges or Cameron clamp hubs, preventers with stubbed flanges can be furnished.

Sizes and Dimensions are in inches. The over-all length "A" given in the tables does not include the optional wedgelocks. No spacers between rams are included in the table of dimensions of double ram models. Preventers with spacers to clear tool joints can be obtained on special order. For information on preventers with spacers, or sizes not listed, consult your Cameron representative.

Hydraulic Control Connections to operate rams and bonnets are 1" NPT. There are two connections for each set of rams. Hydraulic ram lock connections are 1/2" NPT.

Engineering Data Designations. See Charts on Following Page

- A-1 Over-all length, bonnets closed, locking screws locked
- A-2 Over-all length, ram change, bonnets opened, locking screws unlocked
- B-1 Over-all height flanged
- B-2 As above, with Cameron clamp hubs
- C Over-all width without side outlets (max. width)
- D Centerline of preventer to outlet flange or hub face. Distance is variable.
- E-1 Centerline of side outlet (outlet below lower rams in double model) to bottom flange face
- E-2 As above, to bottom hub face
- F-1 Top of upper ram to top flange face
- F-2 As above, to top hub face
- G Ram height
- H-1 Centerline of side outlet between rams to bottom flange face
- H-2 As above, to bottom hub face
- J Top of lower ram to bottom of upper ram

11" 3000# - Double

APPLICATION FOR DRILLING

J.E.M. Resources Inc.
Levers Federal, Well No. 8
1980 FSL & 990 FEL
Sec. 33-T16S-R29E
Eddy County, New Mexico

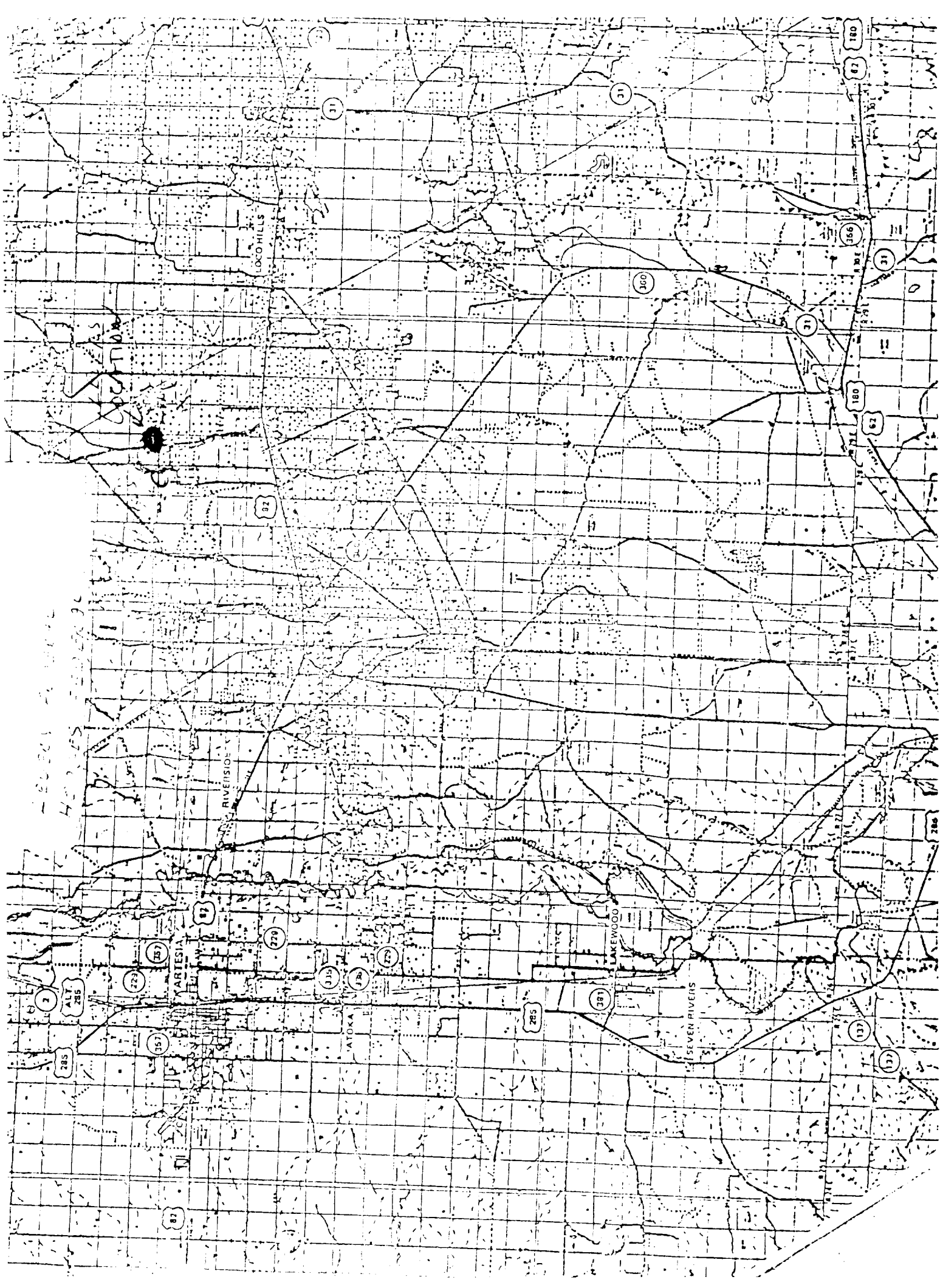
In conjunction with Form 9-331c, Application for Permit to Drill subject well, JEM Resources Inc. submits the following items of pertinent information in accordance with BLM requirements:

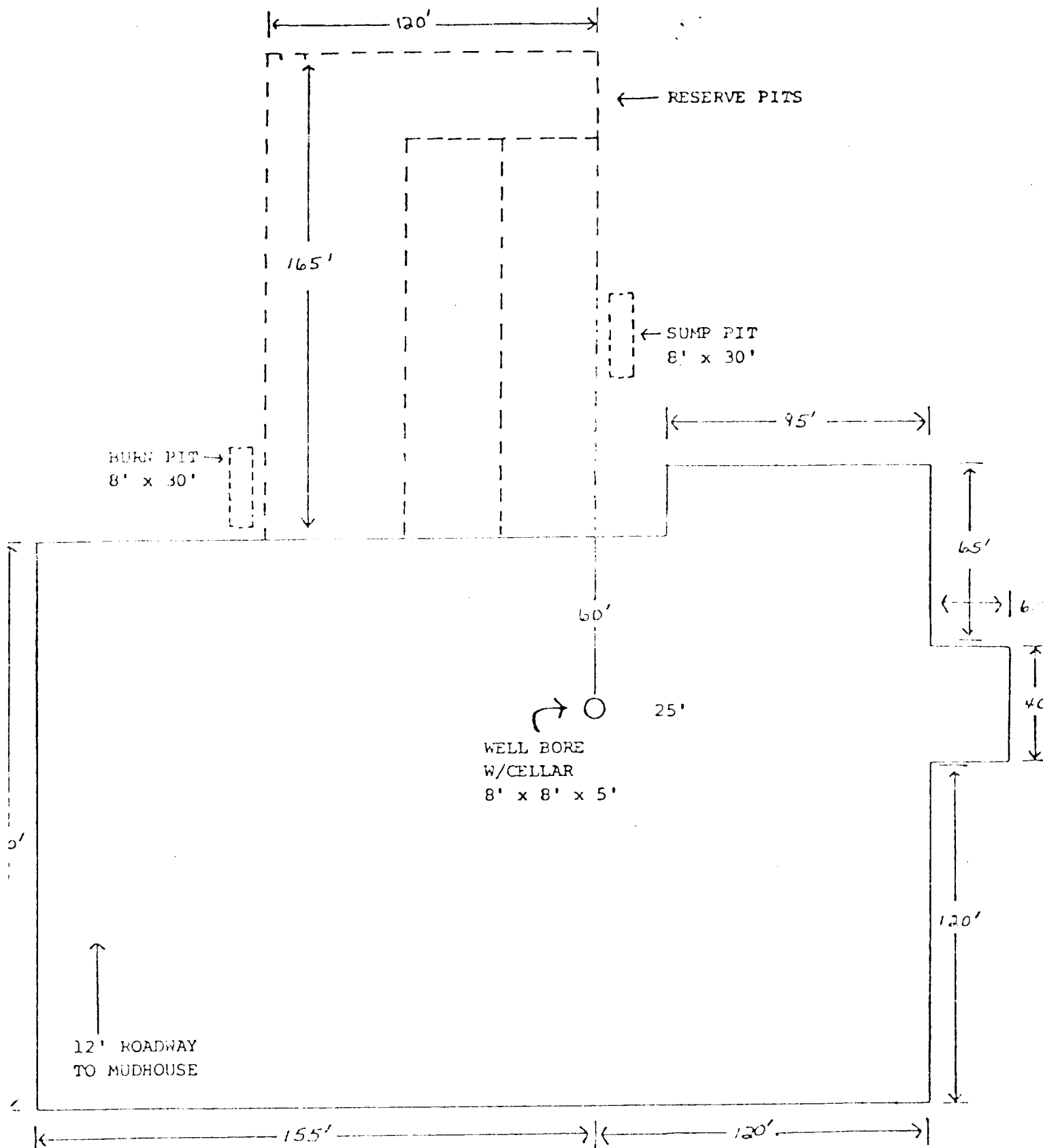
1. The geologic surface formation is recent Permian with quaternary alluvium and other surficial deposits.
2. The estimated tops of geologic markers are as follows:

Top salt	290	Queen	1660
Base salt	650	Grayburg	2170
Yates	850	San Andres	2400
Seven Rivers	1060		
3. The estimated depth at which anticipated water, oil or gas formations are expected to be encountered:

Oil: Grayburg at 2350-2400, San Andres at 2520-3500
Gas: Grayburg at 2230-2350
Water: surface to 200'
4. Proposed Casing Program: See Form 9-331c.
5. Pressure control equipment: See form 9-331c, and Exhibit "D".
6. Mud Program: See Form 9-331c.
7. Auxiliary equipment: BOP, gas detector, Kelly cock.
8. Testing, Logging and Coring Program:

DST: None Planned
Coring: None Planned
Logging: Gr. Neutron TD to Surface, DLL TD to surface Casing.
9. No abnormal pressures or temperatures are anticipated. In the event abnormal pressures are encountered the proposed mud program will be modified to increase the mud weight.
10. Anticipated starting date: 10/84
Anticipated completion of drilling operations: Approximately 7 days.





SCALE: 1 inch = 50 feet

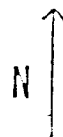


EXHIBIT "C"