

RECEIVED BY
ARTESIA, NM 88210UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

JAN 7 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Diamondback Petroleum 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

660 FNL & 660 FWL

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 drlg. unit line, if any)

660

16. NO. OF ACRES IN LEASE

120

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.

2310

19. PROPOSED DEPTH

3500

20. ROTARY OR CABLE TOOLS

Rotary

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

3603 Gr.

22. APPROX. DATE WORK WILL START*

ASAP

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	250	300 sxs circulated
7 7/8	5 1/2	17	3500	1000 sxs circulated

Mud Program: 0-250 Fresh water and spud mud
250-3500 Brine water and salt gelBOP: 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 12/28/84

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE 1-4-85

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

CONSERVATION DIVISION

P. O. BOX 2080

Form C-102
Revised 10-1-73

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

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

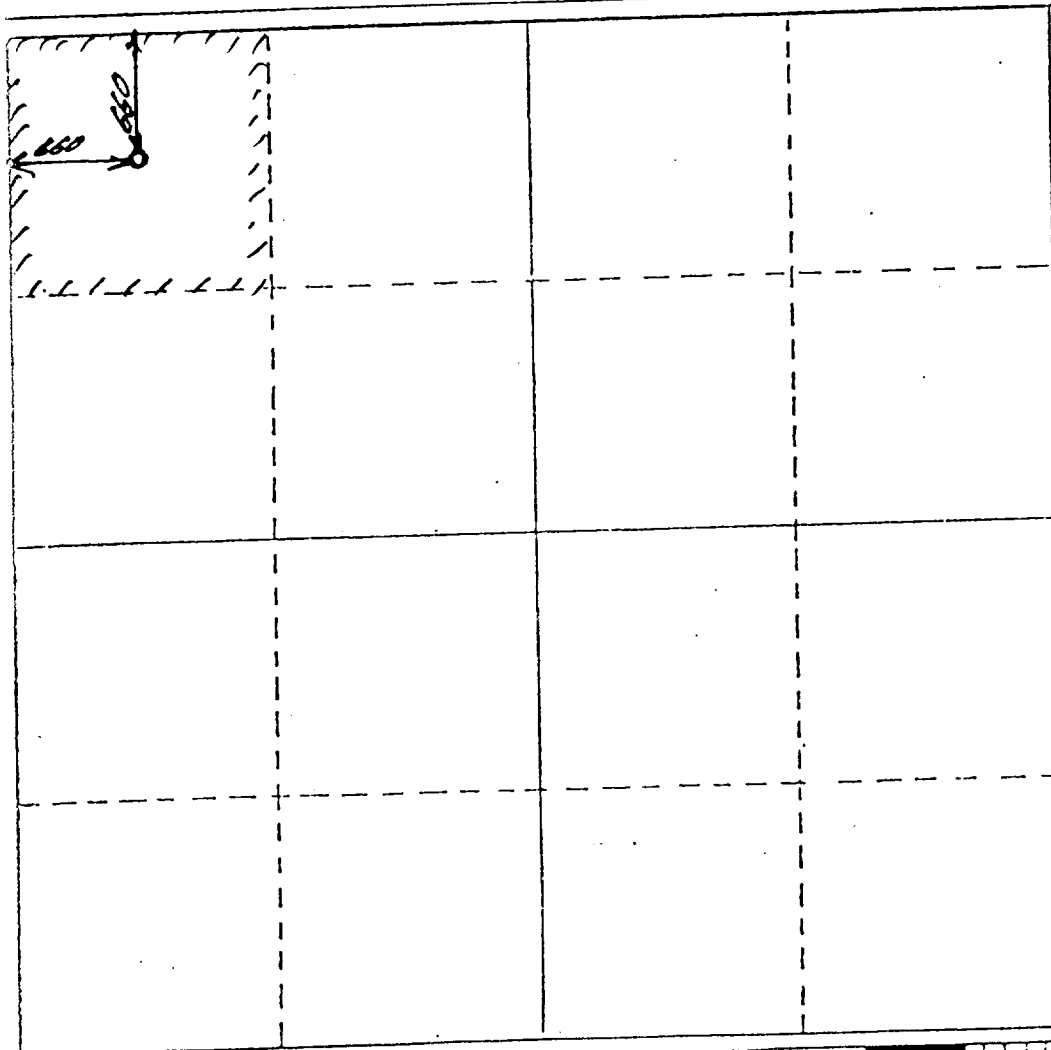
Operator Diamondback Petroleum, Inc.			Lease Levers Federal		Well No. 12
Well Letter D	Section 33	Township 16South	Range 29 East	County Eddy	
Location of Well: 660 feet from the North line and 660 feet from the West line					
Ground Level Elev. 3603	Producing Formation San Andres		Pool Cave	Dedicated Acreage: 40 Acres	

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 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?

☐ 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 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
Diamondback Petroleum

Date
12/28/84

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.

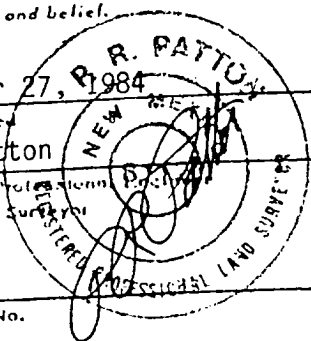
December 27, 1984

Date Surveyed
P.R. Patton

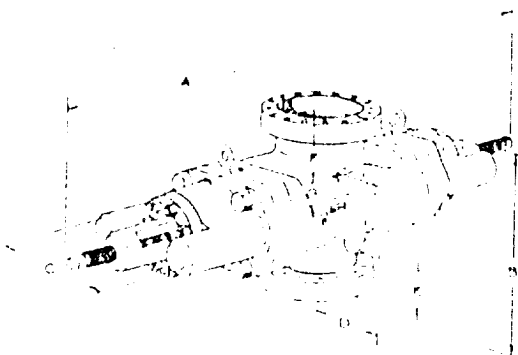
Registered Professional Geologist
and/or Land Surveyor

8112

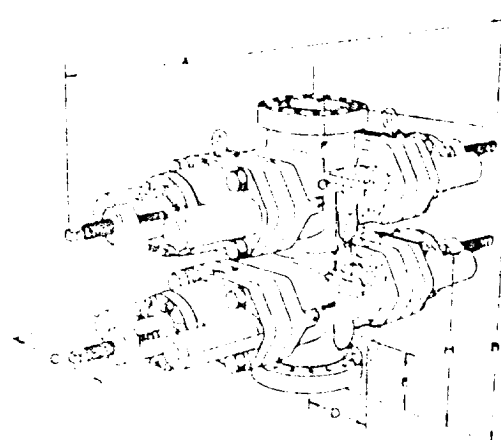
Certificate No.



U BLOWOUT PREVENTER ENGINEERING DATA



Single Ram Face Flanged U Blowout Preventer



Double Open Face Flanged U Blowout Preventer

Side Outlets to 4" size (7 1/4" for 24" and preventers) can be provided beneath each set of rams, on either or both sides of U preventers. Side outlet flanges are open face and face 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

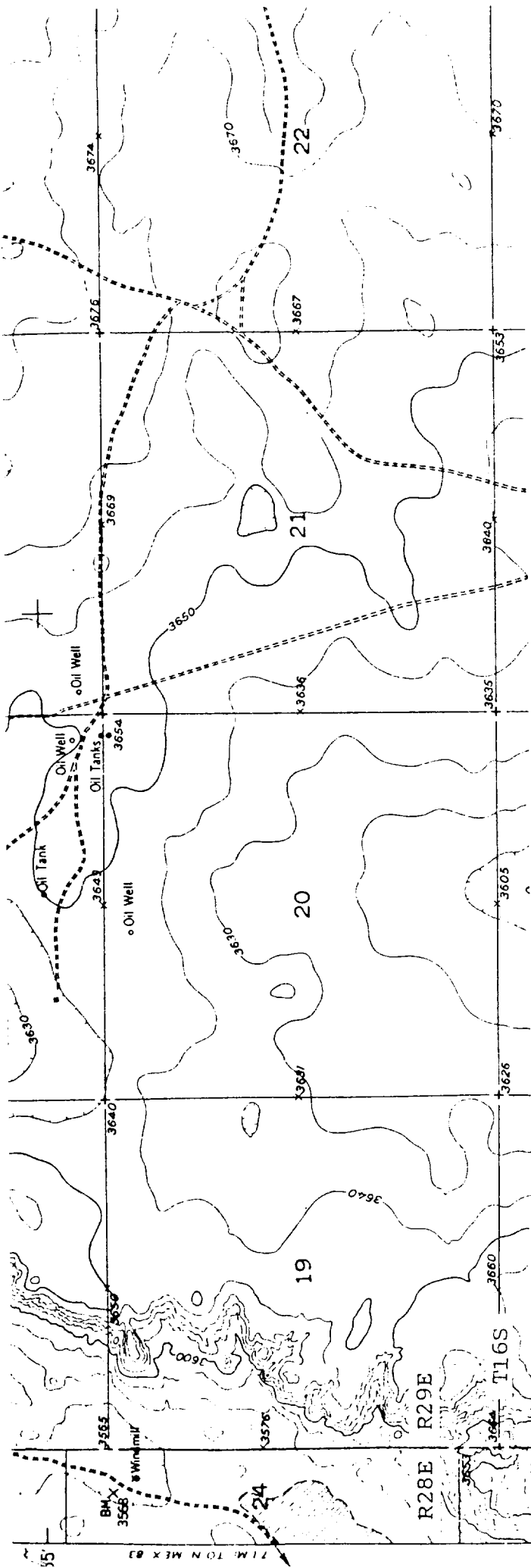
Diamondback Petroleum Inc.
Levers Federal, Well No.12
660 FNL & 660 FWL
Sec 33-T16S-R29E
Eddy County, New Mexico

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

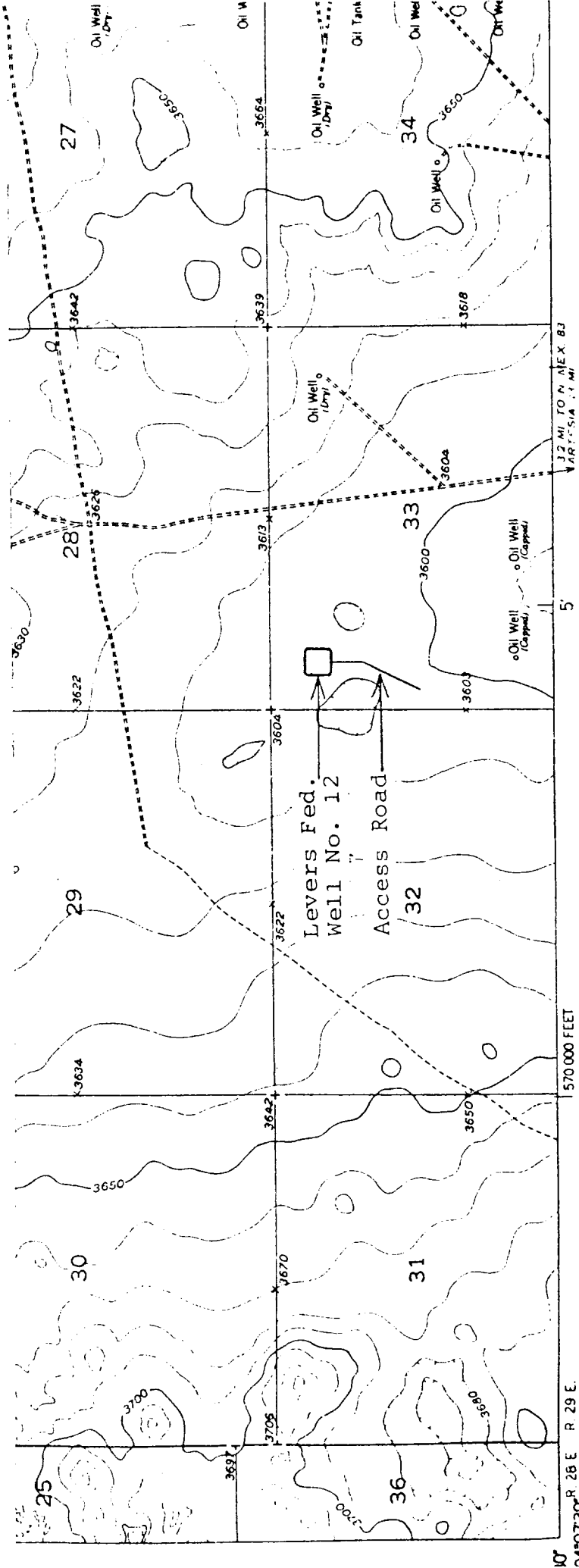
1. The geologic surface formation is recent Permian with quaternary alluvium and other surficial deposits.
2. The estimated tops of geologic markers are as follows:

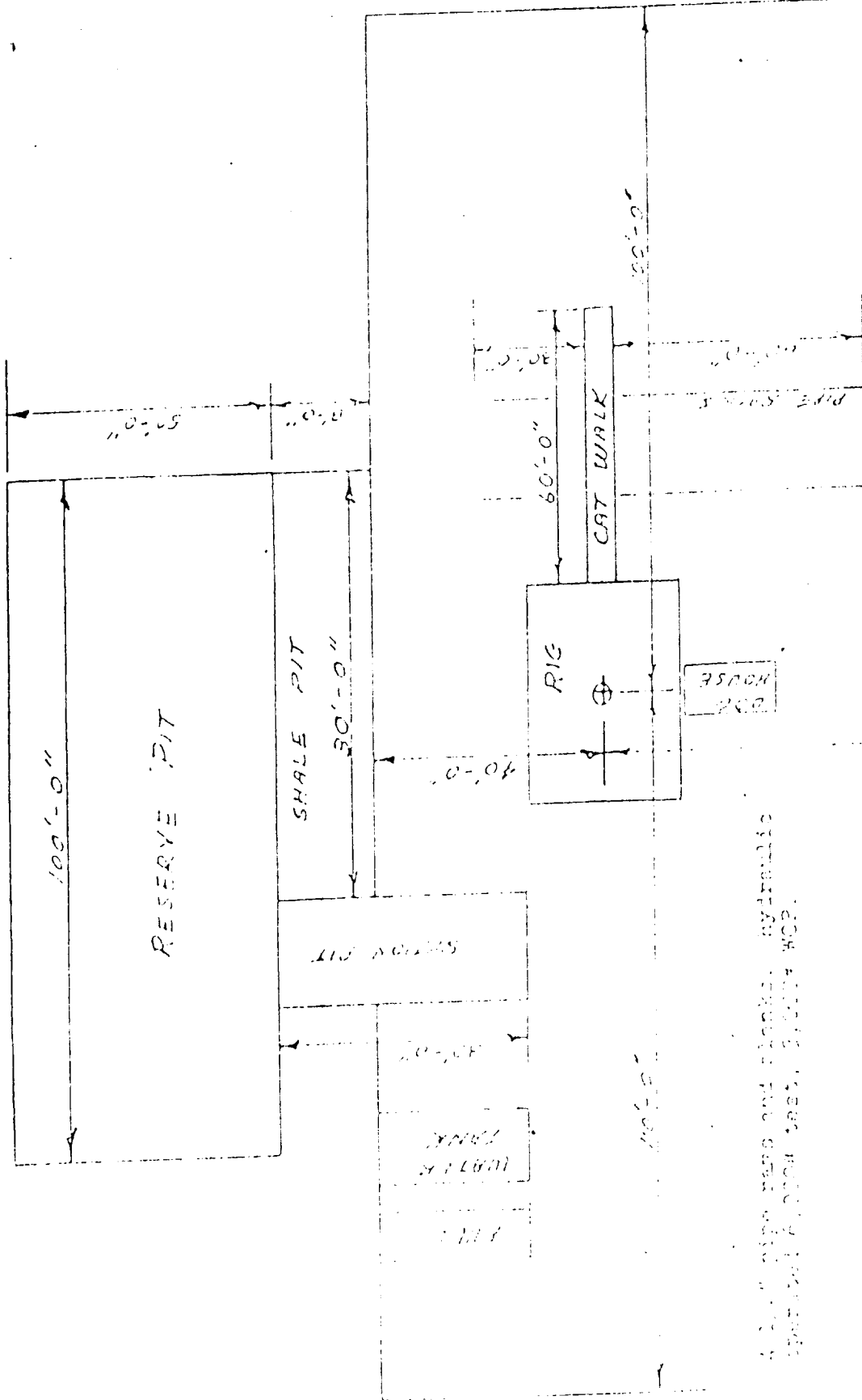
Top salt	270	Queen	1650
Base salt	690	San Andres	2400
3. The estimated depth at which anticipated water, oil or gas formations are expexted to be encountered:

Oil: San Andres Keely zone 2550-3450
Gas: none expected
Water: Surface to 180
4. Proposed Casing Program: See Form 9-331-c.
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. DST: None Planned
Coring: None Planned
Logging: Gr. Neutron TD to Surface, DLL TD to surface csng.
9. No abnoumal 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: 1/85
Anticipated completion of drilling operations: Approx. 7 days.



Map showing the location of the Diamondback Petroleum, Inc., Levers Federal Well No. 12 and access road. T16S, R29E, Section 33, Centre, NW1/4 [660 FNL, 660 FWL], Eddy County, New Mexico. Solid line shows the location of the access road. U.S.G.S. 7.5 minute series, BASIN WELL, NEW MEXICO, 1953.





100' x 50' PITS AND 100' x 10' HYDRAULIC
 SPILLAGE PITS, 30' x 10' W.C.P.