

Artesia, IN

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED BY

NOV 15 1984

ARTESIA, OFFICE

30-015-25091

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.

7

10. FIELD AND POOL, OR WILDCAT

Cave - G - 27

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

Sec. 33-16S-29E

12. COUNTY OR PARISH

Eddy

13. STATE

N.M.

1a. 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 Pet. Inc.

3. ADDRESS OF OPERATOR

P.O. Box 2938 Ruidoso, N.M. 88345

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

1980 FSL & 1905 FEL

At proposed prod. zone

Same

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

6 miles northwest of Loco Hill N.M.

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.

990

(Also to nearest drill unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION*

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

330

16. NO. OF ACRES IN LEASE

80

19. PROPOSED DEPTH

3500

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

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

3599 Gr

22. APPROX. DATE WORK WILL START*

11/84

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 10/24/84

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE 11-14-84

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

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

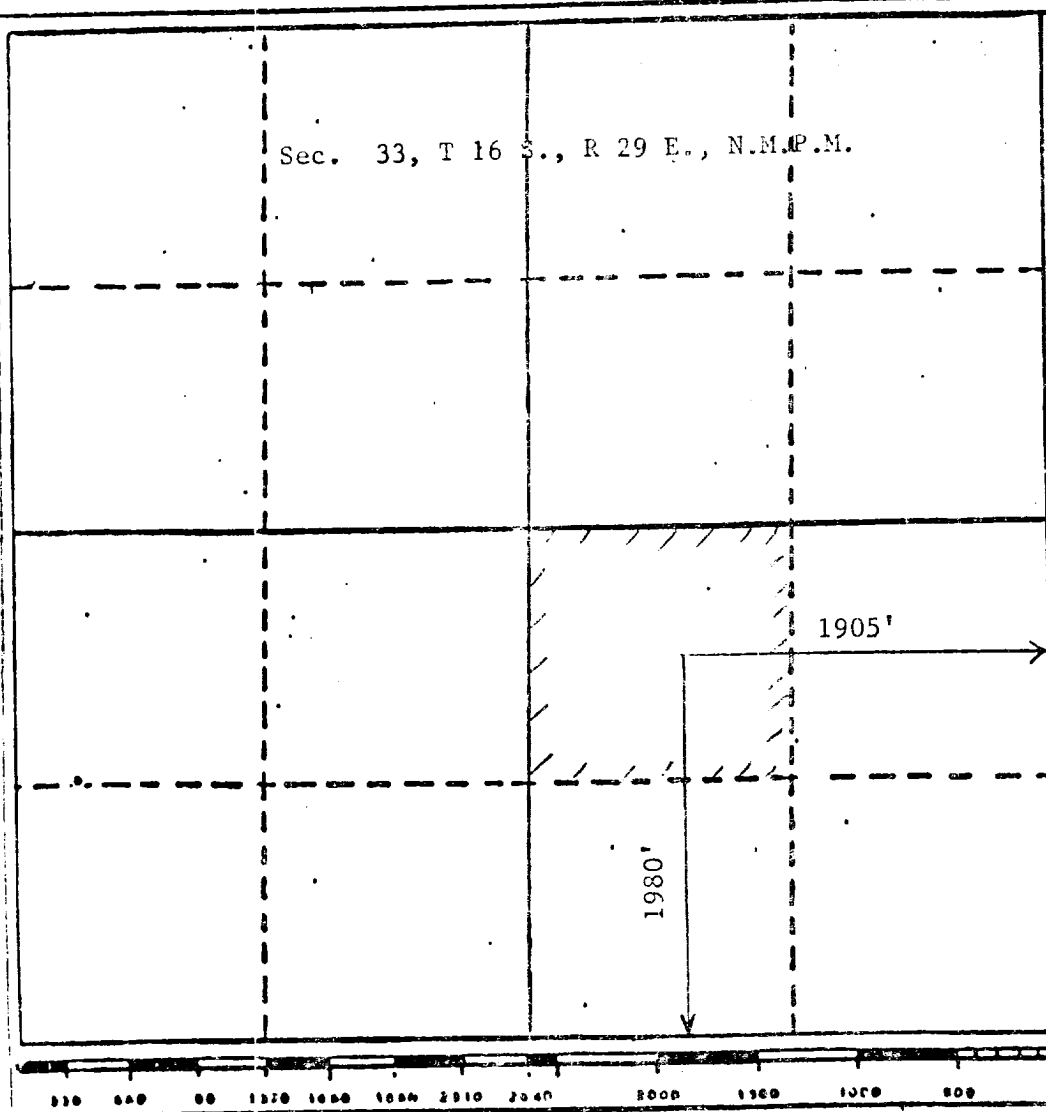
Operator Diamondback Petroleum Inc.		Lessee Lever's Federal		Well No. 7	
Unit Letter J	Section 33	Township 16 South	Range 29 East	County Eddy	
Actual Footage Location of Well 1980 feet from the FSL line and 1905 feet from the FEL line					
Ground Level Elev. 3599'	Producing Formation SAN ANGELO		Pool CAVE		Dedicated Acreage 1.70

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, force-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.



CERTIFICATION

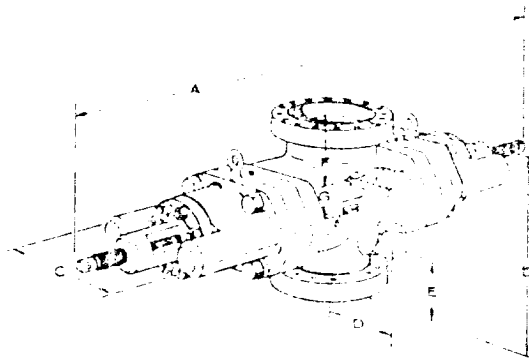
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name
Randall L. Harris
Position
Consulting Geologist
Company
Diamondback Pet. Inc.
Date
10/24/84

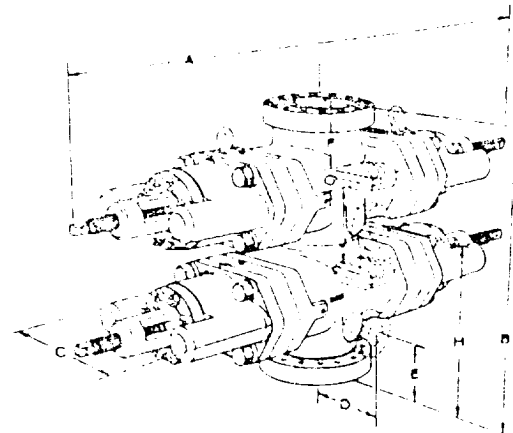
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
October 10, 1984
Registered Professional Engineer and/or Land Surveyor
John D. Jacques, P.E. & L.
Certification 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 (7-1/16" on 26-3/4" preventers) can be provided beneath each set of rams, on either or both sides of U preventers. Side outlet flanges are open face and have the same pressure rating as the vertical run 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^{xx} - DOUBLE

APPLICATION FOR DRILLING

Diamondback Petroleum Inc.
Levers Federal, Well NO. 7
1980 FSL & 1905 FEL
Sec.33-T16S-R29E
Eddy County, New Mexico

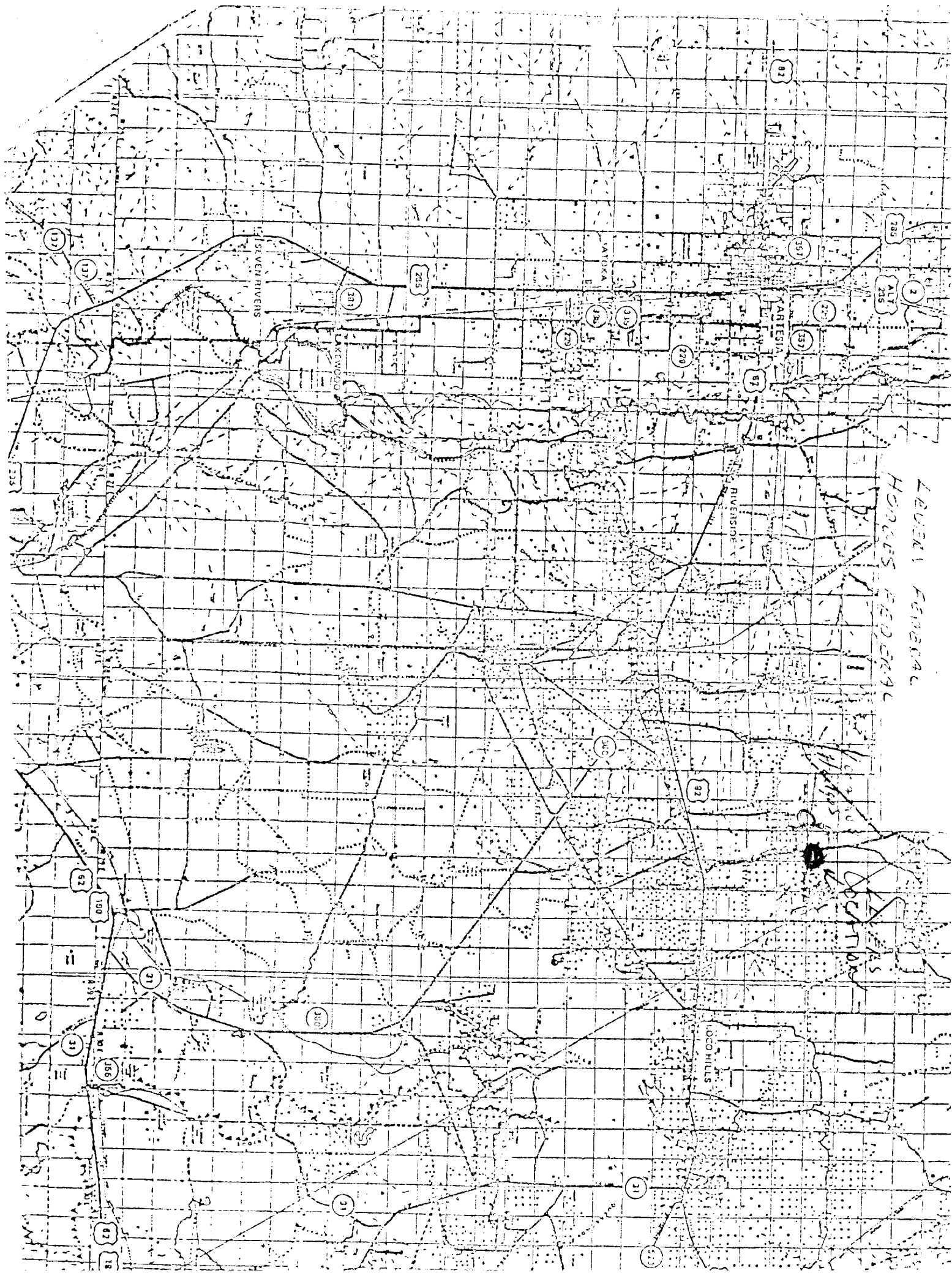
In conjunction with Form 9-331c, Application for Permit to Drill subject well, JEM Resources Inc. submits the following items of pertinent information in accordance with BLM requirements:

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.



Dig pit A running northwest from center of hole, approximately 70' long with petition in middle and at end. Then dig pit B out to match it.

All distances on Reserve & Pits are more or less. In Area Circled "C", try not to let reserve wall come east on location any further than necessary.

In Area circled "D", leave 3' of reserve wall out down to ground level for riser pipe.

