

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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   
 2. NAME OF OPERATOR  
 ROBERT N. ENFIELD  
 3. ADDRESS OF OPERATOR  
 P. O. BOX 2431, SANTA FE, NEW MEXICO 87501  
 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
 At surface  
 660' FNL AND 1980' FWL OF SECTION 12  
 At proposed prod. zone  
 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 12 AIR MILES SOUTH-SOUTHEAST OF ARTESIA, NEW MEXICO  
 10. 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  
 200  
 17. NO. OF ACRES ASSIGNED TO THIS WELL  
 320  
 18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 -  
 19. PROPOSED DEPTH  
 8500'  
 20. ROTARY OR CABLE TOOLS  
 ROTARY  
 21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 3307.5' GL  
 22. APPROX. DATE WORK WILL START\*  
 UPON APPROVAL

5. LEASE DESIGNATION AND SERIAL NO.  
 NM-14206  
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
 7. UNIT AGREEMENT NAME  
 8. FARM OR LEASE NAME  
 B&B FEDERAL *Com*  
 9. WELL NO.  
 1  
 10. FIELD AND POOL, OR WILDCAT  
 UNDESIGNATED PENN  
 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 SEC. 12, T. 19 S., R. 26 E.  
 12. COUNTY OR PARISH | 13. STATE  
 EDDY | NEW MEXICO

RECEIVED BY  
 SINGLE ZONE  MULTIPLE ZONE   
 FEB 17 1986  
 O. C. D.  
 ARTESIA, NEW MEXICO

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#	300'	SUFFICIENT TO CIRCULATE
12-1/4"	8-5/8"	24#	2200'	SUFFICIENT TO CIRCULATE
7-7/8"	5-1/2"	15.5# & 17#	8500'	400 SACKS

PRODUCING ZONE WILL BE PERFORATED AND STIMULATED AS NECESSARY.

SEE ATTACHED FOR: SUPPLEMENTAL DRILLING DATA  
 BOP SKETCH  
 SURFACE USE PLAN

GAS IS NOT DEDICATED.

Posted APR  
 New ID#  
 2-24-86

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 Arthur R. Brown TITLE Agent DATE February 10, 1986  
 (This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE 2-14-86

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO  
 GENERAL REQUIREMENTS AND  
 SPECIAL STIPULATIONS

\*See Instructions On Reverse Side

**N MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section

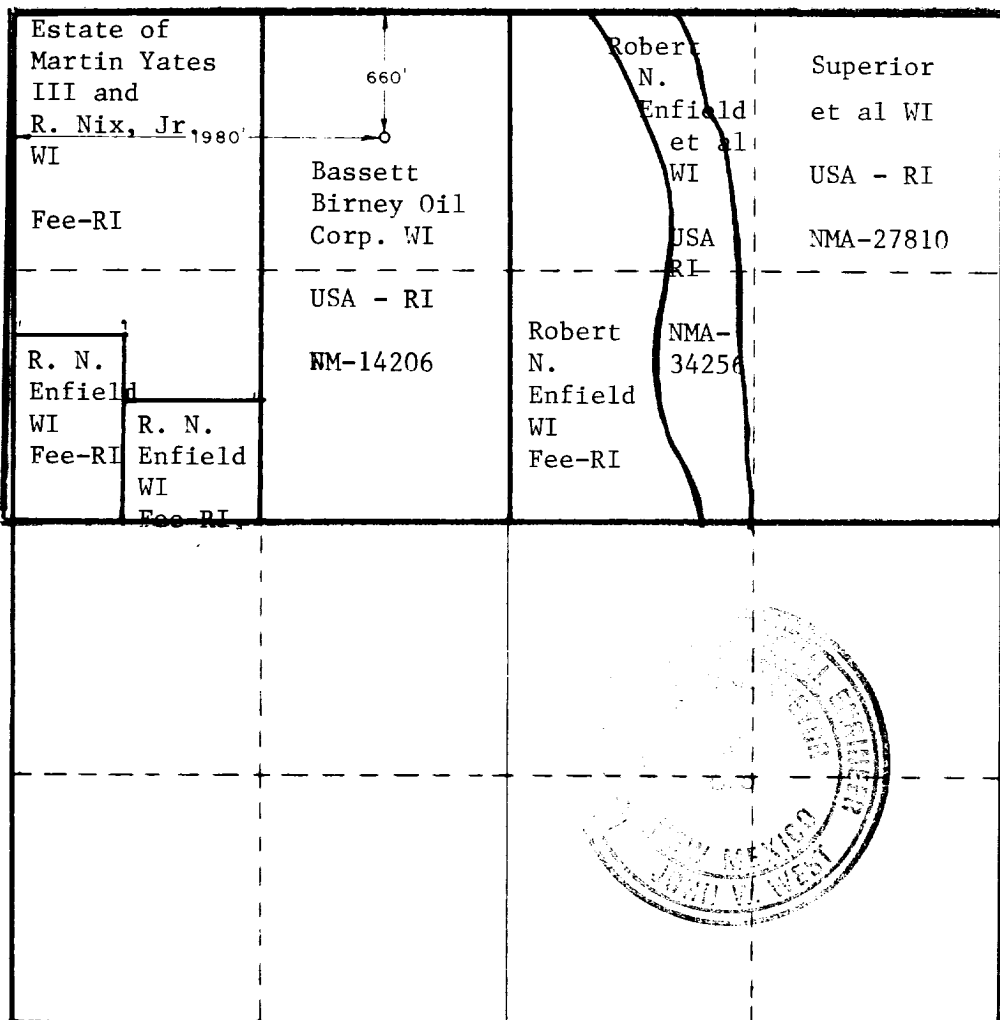
Operator <b>Robert N. Enfield</b>			Lease <b>B &amp; B Fed.</b>		Well No. <b>1</b>
Unit Letter <b>C</b>	Section <b>12</b>	Township <b>19 South</b>	Range <b>26 East</b>	County <b>Eddy</b>	
Actual Footage Location of Well: <b>660</b> feet from the <b>north</b> line and <b>1980</b> feet from the <b>west</b> line					
Ground Level Elev. <b>3307.5</b>	Producing Formation <b>Cisco Canyon</b>		Pool <b>Undesignated</b>	Dedicated Acreage: <b>320.00</b> Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 To be Communitized

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.

*Robert N. Enfield*  
Name **Robert N. ENFIELD**

Operator

Position  
**Robert N. Enfield**

Company  
**2/3/86**

Date

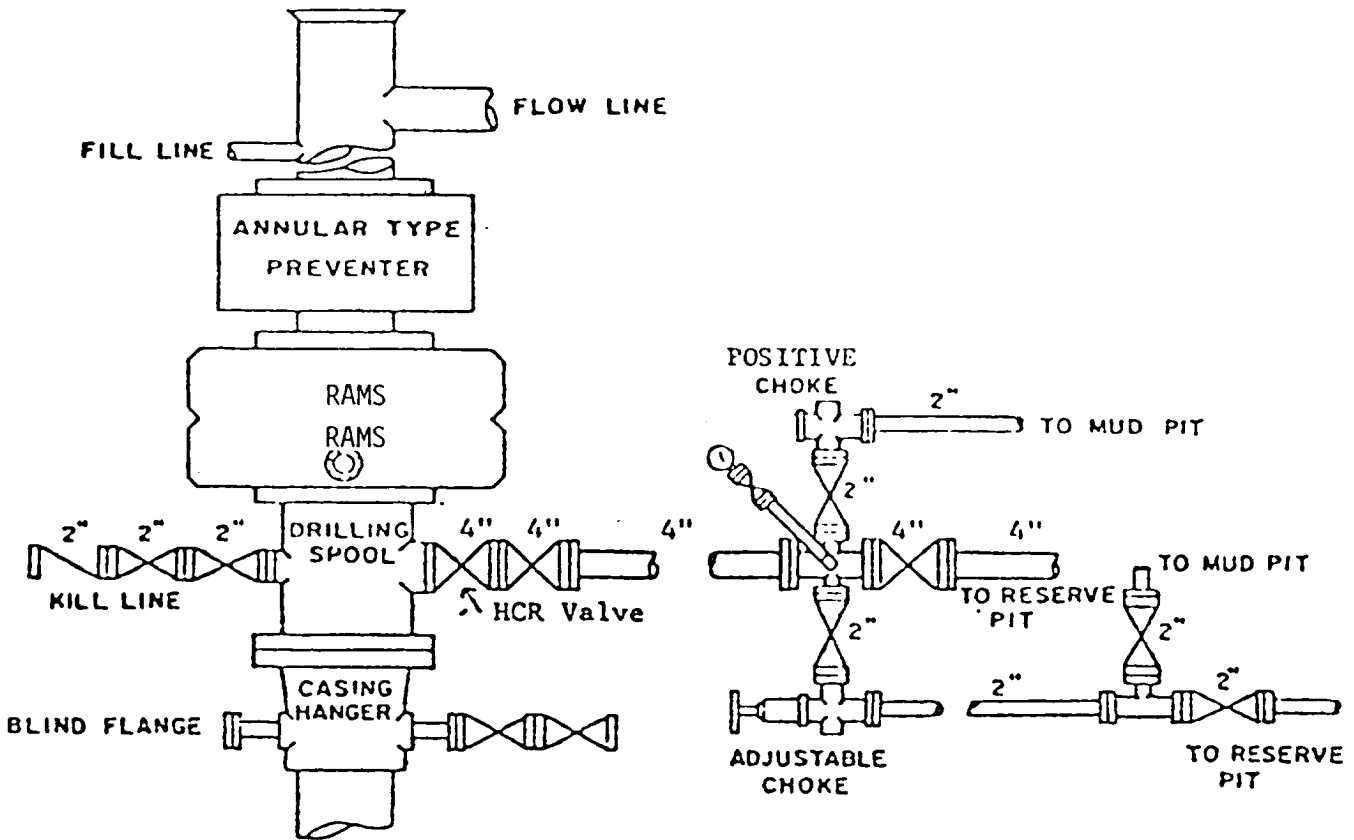
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed  
**January 31, 1986**

Registered Professional Engineer and/or Land Surveyor

*John W. West*  
Certificate No. **JOHN W. WEST, 676**

**RONALD J. EIDSON, 3239**



BOP STACK

3000 PSI WORKING PRESSURE

DEPTH INTERVAL

WHILE DRILLING 7-7/8" HOLE

BOP ARRANGEMENT

SUPPLEMENTAL DRILLING DATA

ROBERT N. ENFIELD  
WELL NO.1 B&B FEDERAL

1. SURFACE FORMATION: Recent.
  
2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Queen	676
Grayburg	1136
San Andres	1426
2nd Bone Sprgs Sd.	5326
Wolfcamp	7076
Cisco	7796

3. ANTICIPATED POSSIBLE HYDROCARBON BEARING ZONES:

Gas                      Cisco Canyon

4. PROPOSED CASING AND CEMENTING PROGRAM:

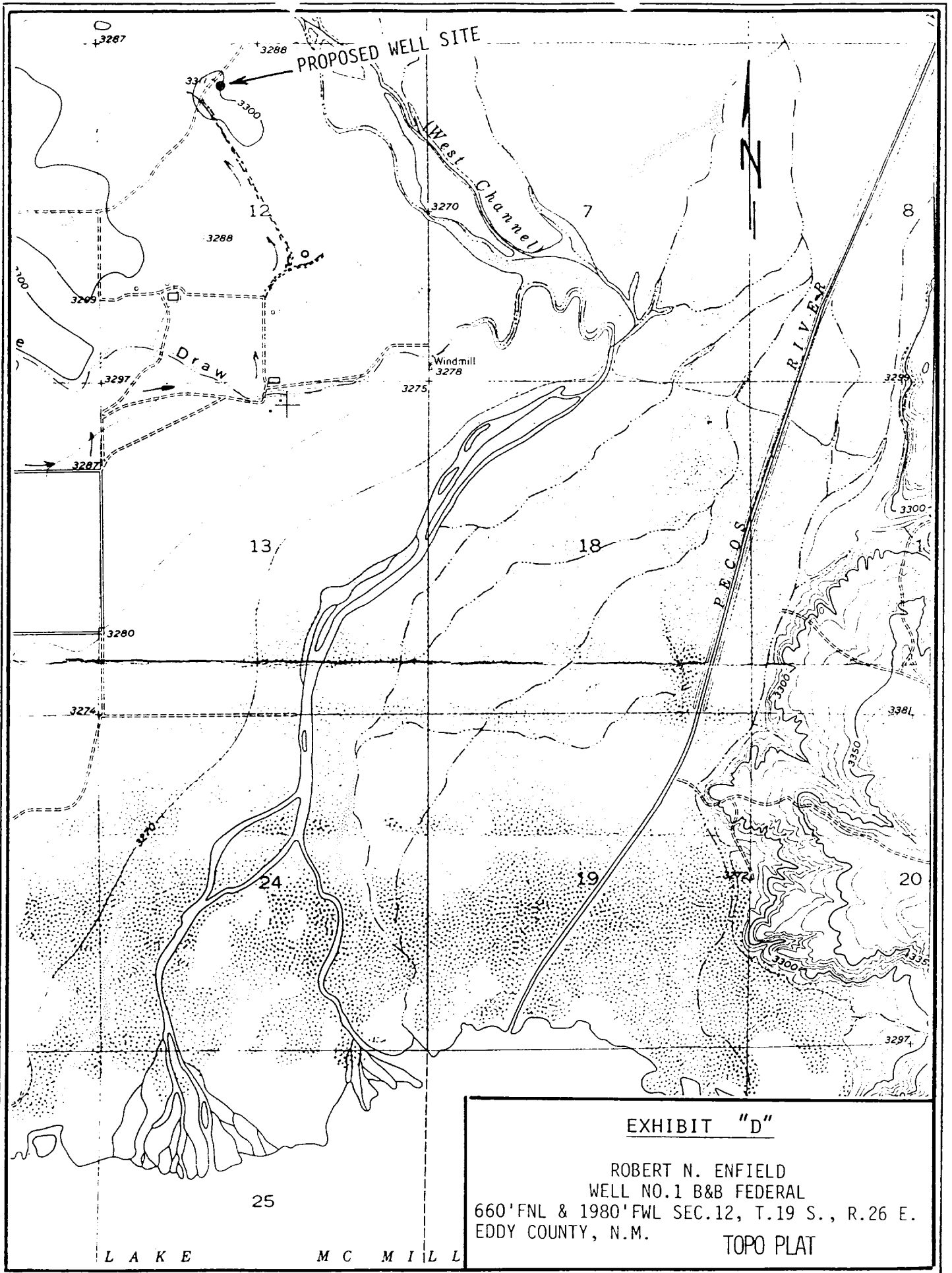
<u>CASING SIZE</u>	<u>SETTING DEPTH</u>		<u>WEIGHT</u>	<u>GRADE</u>	<u>JOINT</u>
	<u>FROM</u>	<u>TO</u>			
13-3/8"	0	300	48#	H-40	STC
8-5/8"	0	2200	24#	K-55	STC
5-1/2"	0	700	15.5#	K-55	BUTT
"	700	6900	15.5#	K-55	STC
"	6900	8500	17#	K-55	STC

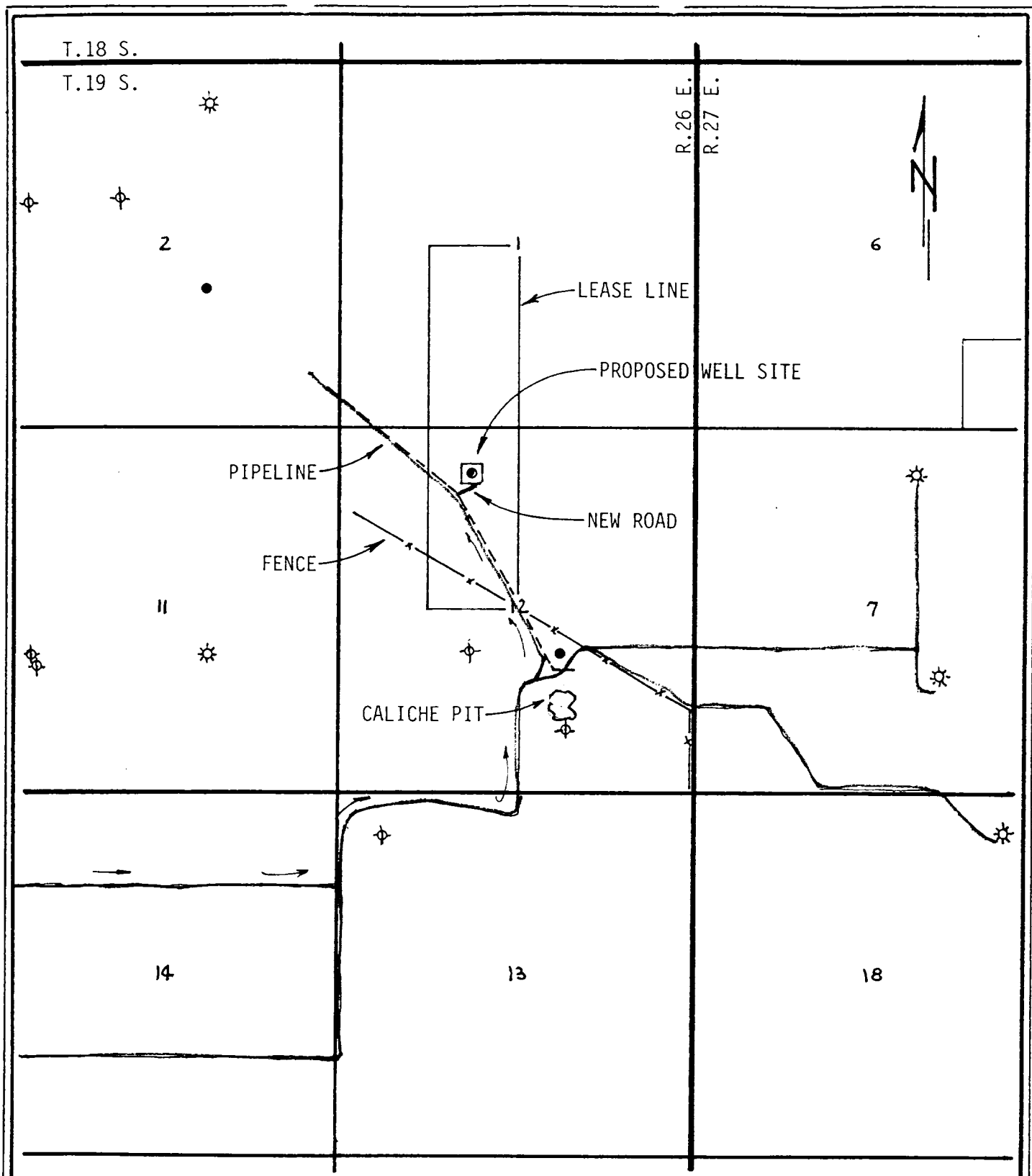
Equivalent grades and weights of casing may be substituted at time casing is run, depending on availability.

13-3/8" casing will be cemented with approximately 300 sacks of Class "C" cement. Cement to circulate.

8-5/8" casing will be cemented with sufficient Light cement, tailed in with 200 sacks of Class "C", to circulate.

5-1/2" casing will be cemented with approximately 400 sacks of Class "H" cement.





**LEGEND:**

- Oil Well
- ★ Gas Well
- ⊕ Plugged Well
- Proposed Well
- Existing Road
- - - Proposed New Road

**EXHIBIT "B"**

ROBERT N. ENFIELD  
 WELL NO.1 B&B FEDERAL  
 660'FNL & 1980'FWL SEC.12, T.19 S., R.26 E.  
 EDDY COUNTY, N.M. SCALE: 1" = 2000'

# WILDCAT PROGRESS REPORT

PI# 30-T-0006 01/19/87 SEC 12 TWP 19S RGE 26E  
30-015-25574-0001 PAGE 1

NMEX EDDY \* 660FNL 1980FWL SEC NE NW  
STATE COUNTY FOOTAGE SPOT  
NIX RALPH OPERATOR WDX  
1 B&B FEDERAL WELL CLASS INIT FIN  
WELL NO. LEASE NAME  
3308GR WILDCAT  
OPER ELEV FIELD POOL AREA  
API 30-015-25574-0001  
LEASE TYPE NO. PERMIT OR WELL I.D. NO.

12/16/1986  
SPUD DATE COMP. DATE TYPE TOOL STATUS  
2800 SN ANDRS NOT RPTD  
PROJ. DEPTH PROJ. FORM CONTRACTOR  
DID 8018 PB 2677 OTD 8018  
DRILLERS T.D. LOG T.D. PLUG BACK TD OLD T.D. FORM T.D.  
LOCATION DESCRIPTION

4 MI SE DAYTON, NM

### CASING/LINER DATA

CSG 5 1/2 @ 2677 W/ 250 SACKS

### PRODUCTION TEST DATA

PTP 4BOPD 2BW 2505- 2512 24HRS  
SN ANDRS PERF  
PERF 2505- 2512  
ACID 2505- 2512 2500GALS  
15% NEFE  
ACID 2505- 2512 6000GALS  
RE-ACIDIZED 15% NEFE

### DRILLING PROGRESS DETAILS

NIX RALPH  
BOX 440  
ARTESIA, NM 88210  
505-746-2341  
OWWO: OLD INFO: FORMERLY ENFIELD ROBERT N #1  
B&B FEDERAL. ELEV 3319 KB. 3308 GR. SPUD  
2/25/86. 13 3/8 @ 328 W/300 SX. 8 5/8 @ 2310  
W/1200 SX. LOG TOPS: BONE SPRING 3RD SAND 6660  
WOLFCAMP 6990, CISCO 7957. OTD 8018. COMP  
3/23/86. D&A.  
12/09 LOC/1986/

CONTINUED IC# 300157020386

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## Petroleum Information

PI-WRS-GET  
Form No 187

**BB** a company of  
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