

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 SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
Petrus Oil Company, L.P.

3. ADDRESS OF OPERATOR
12201 Merit Drive, Suite 900, Dallas, Texas 75251

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface: 330' FSL & 1750' FWL, SE/4 SW/4, Unit letter N
 At proposed prod. zone: Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
6 1/2 air miles North of Loco Hills, New Mexico

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drg. unit line, if any)
330'

16. NO. OF ACRES IN LEASE
280

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.
1650'

19. PROPOSED DEPTH
11,700'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3821' GR

22. APPROX. DATE WORK WILL START*
April 1, 1987

5. LEASE DESIGNATION AND SERIAL NO.
NM-11327

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Henshaw Federal

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Wildcat-Devonian

11. SEC., T., R. M., OR BLK. AND SURVEY OR AREA
Sec. 14, T16S, R30E

12. COUNTY OR PARISH
Eddy

13. STATE
N.M.

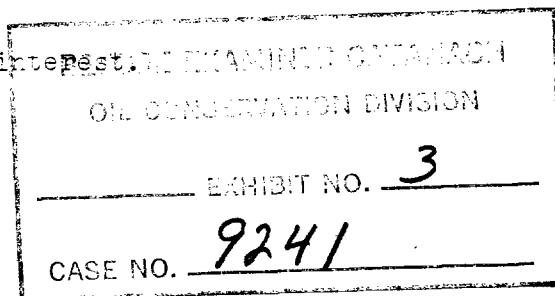
PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	54.50#	375'±	300 sx(Circulated)
12 1/4"	8 5/8"	24 & 32#	3100'±	1100 sx(Circulated)
7 7/8"	5 1/2"	17 & 20#	T.D.	Cement to isolate all oil, gas and water zones

Proposed plans are to drill to the Devonian formation and test for possible commercial production of oil and gas.

Selectively perforate and treat pay sections of interest.

B.O.P. sketch is attached.



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 Larry W. Franklin TITLE Agent DATE 3/20/87

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY Lula G. Rudell TITLE _____ DATE 3 31-87
 CONDITIONS OF APPROVAL, IF ANY:

PER# 159

*See Instructions On Reverse Side

NEW 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.

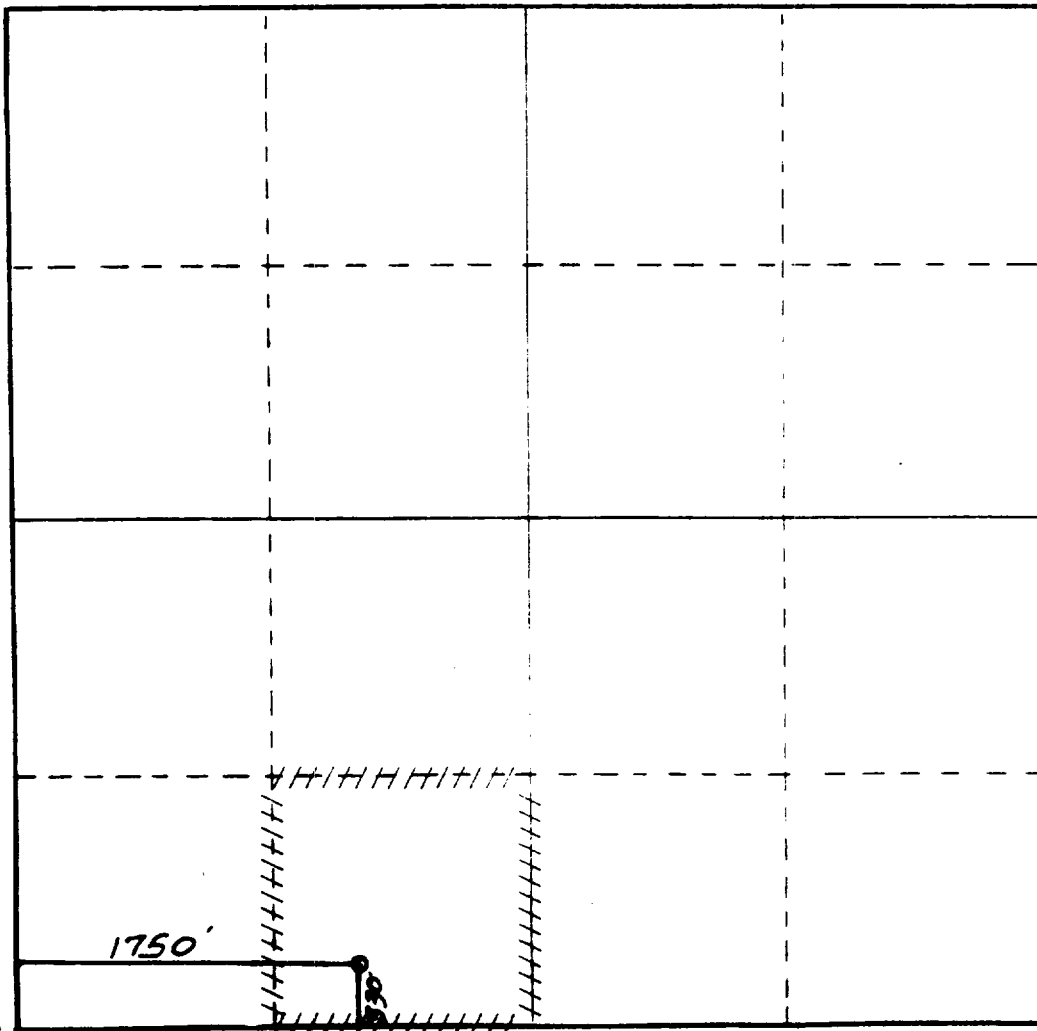
Operator PETRUS OIL COMPANY L.P.		Lease Henshaw Federal			Well No. 1
Unit Letter N	Section 14	Township 16 South	Range 30 East	County Eddy	
Actual Footage Location of Well: 1750 feet from the West line and 330 feet from the South line					
Ground Level Elev. 3821.	Producing Formation Devonian		Pool Wildcat	Dedicated Acreage: 40 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 _____

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.

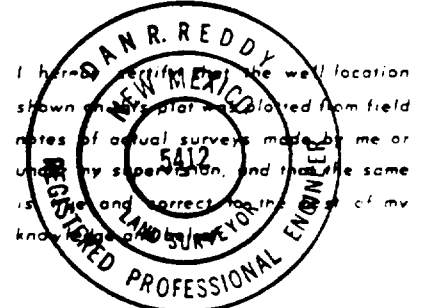
Terry W. Franklin

Name
Terry W. Franklin

Position
Agent

Company
Petrus Oil Company, L.P.

Date
3/23/87



Date Surveyed
March 18, 1987

Registered Professional Engineer and/or Land Surveyor

Dan R. Reddy

Certificate No.
NM PE&LS NO. 5412