



IN REPLY REFER TO:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
P. O. Box 1157  
Hobbs, New Mexico 88240

HOBBS OFFICE O. C. C.  
DEC 14 12 19 PM '65

December 13, 1965


Mr. A. L. Porter, Jr.  
New Mexico Oil Conservation Commission  
P. O. Box 871  
Santa Fe, New Mexico

Dear Mr. Porter:

Attached is an information copy of an Application for Permit to Drill a well to a depth of 3,700 feet to test the Yates formation in the NW<sup>1</sup>NE<sup>4</sup> sec. 21, T. 20 S., R. 34 E., Lea County, New Mexico, filed by Ernest A. Hanson, P. O. Box 1515, Roswell, New Mexico.

The well location is in the Oil-Potash area on land included in Federal oil and gas lease Las Cruces 070315.

Sincerely yours,

  
Arthur R. Brown  
District Engineer

cc: With copy of notice to:  
NMOCC-Hobbs ✓  
USGS-Carlsbad  
USGS-Roswell

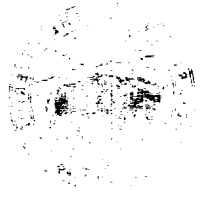
UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

DEC 14 1952

WASHINGTON, D. C.



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TO: [Illegible]

FROM: [Illegible]

SUBJECT: [Illegible]

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
HOBBS OFFICE O. C. C.

**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  
 Ernest A. Hanson

3. ADDRESS OF OPERATOR  
 P. O. Box 1515, Roswell, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
 At surface: 660' FNL & 1980' FEL  
 At proposed prod. zone: Sec 21, T. 20 S., R. 34 E., Lea County, New Mexico

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 30 miles west of Hobbs, New Mexico

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  
 240

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.  
 1320'

19. PROPOSED DEPTH  
 3700'

20. ROTARY OR CABLE TOOLS  
 Cable tools

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

22. APPROX. DATE WORK WILL START\*  
 Dec. 20, 1965

5. LEASE DESIGNATION AND SERIAL NO.  
 L.C. 070315

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
 Federal "RB"

9. WELL NO.  
 1

10. FIELD AND POOL, OR WILDCAT  
 Middle Lynch - Yates

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Sec. 21 - 20S - 34E

12. COUNTY OR PARISH  
 Lea

13. STATE  
 New Mexico

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#	1600'	Circ. cmt. to surf.
8"	7"	20#	3250'	25 sx.
6"	4-1/2"	11.6#	3700'	Tie to 8-5/8" csg. @ 1200'

This application is requested and made subject to NMOCC Order No. R-111-A as amended by Order No. R-1039, as follows:

1. Drill with rotary to Top of Rustler @ approx. 1600', run 8-5/8" casing and circulate cement to the surface.
2. Drill with cable tools to the Base of the Salt at approx. 3250', run 7" casing and tack-in with 25 sacks of cement.
3. Drill to TD @ approx. depth of 3700' in order to test Yates Fm.
4. If commercial oil production is indicated, pull the recoverable 7" csg and run 4-1/2" csg.; first breaking circ. w/mud and then bring the cmt. up to at least 8-5/8" csg. @ 1600'. The 4-1/2" would then be perforated and the formation treated.
5. If a dry hole is indicated or later plugged and abandoned after testing, such plugging will be done under supervision of the USGS and subject to Order No. R-111-A.

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 Harry F. Schuman TITLE Geologist DATE Dec. 10, 1965  
 (This space for Federal or State office use)

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

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY:

NE 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.

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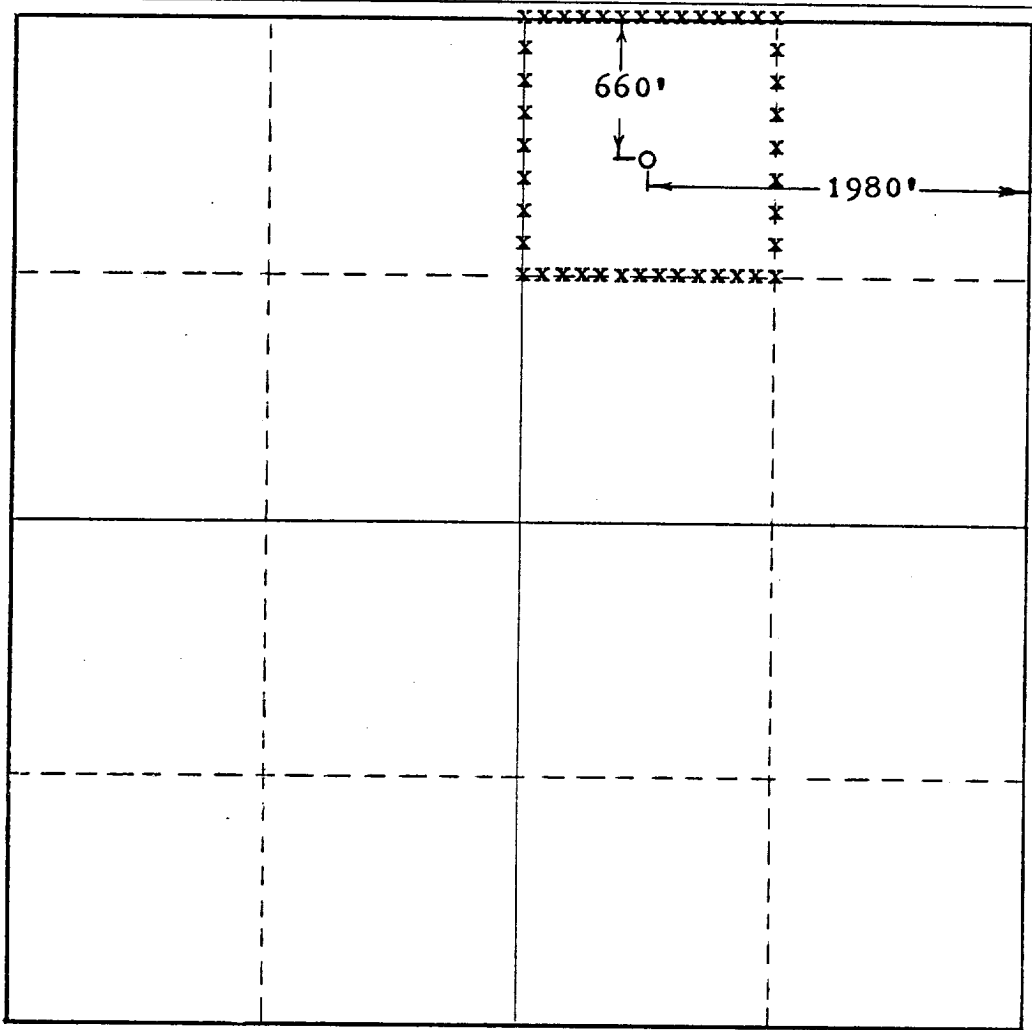
Operator <b>Ernest A. Hanson</b>		Lease <b>Federal "B"</b>			Well No. <b>1</b>
Unit Letter <b>B</b>	Section <b>21</b>	Township <b>20-South</b>	Range <b>34-East</b>	County <b>Lea</b>	
Actual Footage Location of Well: <b>660</b> feet from the <b>North</b> line and <b>1980</b> feet from the <b>East</b> line					
Ground Level Elev:	Producing Formation <b>Yates Fm.</b>	Pool <b>Middle Lynch - Yates</b>	Dedicated Acreage: <b>40</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 \_\_\_\_\_

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.

Name  
*Mary E. Schumard*

Position  
**Geologist**

Company  
**Ernest A. Hanson**

Date  
**Dec. 10, 1965**

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  
**Dec. 10, 1965**

Registered Professional Engineer and/or Land Surveyor  
*Ernest A. Hanson*

Certificate No.  
**751**

