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NEW MEXICO OIL CONSERVATION COMMISSION

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APR 10 1981

O. C. D.  
ARTESIA, OFFICE

30-015-23745

Form C-101  
Revised 1-1-65

5A. Indicate Type of Lease
STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
5. State Oil & Gas Lease No.
E-7815

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. Type of Work	2. Type of Well	3. Name of Operator	4. Address of Operator	5. Location of Well	6. Unit Agreement Name	7. Farm or Lease Name	8. Well No.	9. Field and Pool, or Wildcat	10. County
DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>	OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	Harlan Oil Company	P. O. Box 668, Artesia, N. M. 88210	UNIT LETTER <u>P</u> LOCATED <u>988</u> FEET FROM THE <u>South</u> LINE		Angell State	4	Millman Seven Rivers East	Eddy
NO <u>330</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>21</u> TWP. <u>19 S</u> RGE. <u>28 E</u> NMPM									
					19. Proposed Depth	19A. Formation	20. Rotary or C.T.		
					1200'	Seven Rivers	C. T.		
1. Elevations (Show whether DT, RT, etc.)		21A. Kind & Status Plug. Bond		21B. Drilling Contractor		22. Approx. Date Work will start			
3433 GL		Statewide active		Jenkins Bros. Drlg Co		4/16/81			

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12"	8 5/8"	24#	340'	100	Circ.
7 7/8"	4 1/2"	10.50#	1200'	300	circ.

We propose to drill to 1200' to test the Seven Rivers formation. We will drill a 12" hole to 340' and set 8 5/8" 24# casing, reduce hole to 7 7/8" and drill on to 1200'. We will set 4 1/2" 10.50# production casing and cement with approximately 300 sx. We do not anticipate gas at this depth and will not set up a blowout preventer program at this time.

APPROVAL VALID FOR 180 DAYS  
PERMIT EXPIRES 10-14-81  
UNLESS DRILLING UNDERWAY

4. ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed Dorothy Hammond Title Secretary Date 4/9/81  
(This space for State Use)

APPROVED BY W.A. Gressett TITLE SUPERVISOR, DISTRICT II DATE APR 14 1981  
CONDITIONS OF APPROVAL, IF ANY:

**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.

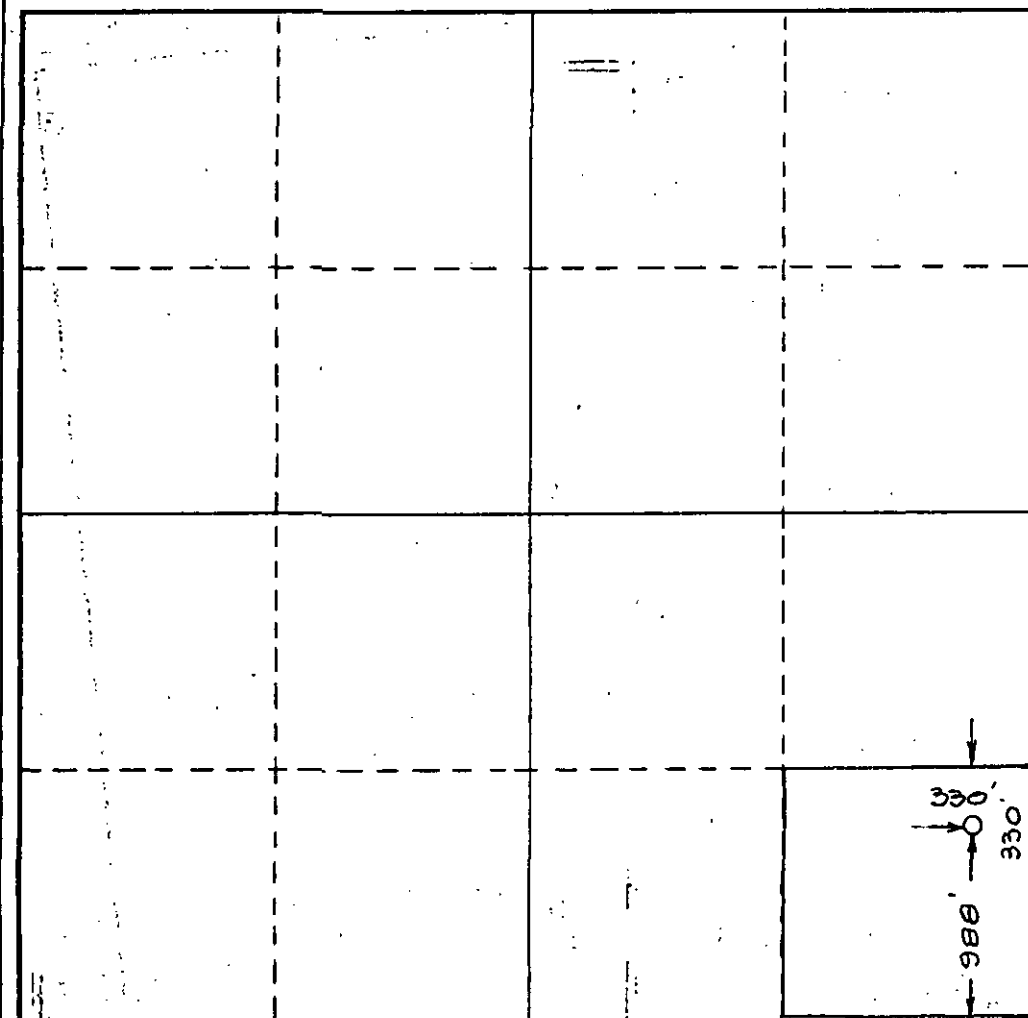
Operator <b>HARLAN OIL COMPANY</b>		Lease <b>ANGELL STATE</b>		Well No. <b>4</b>
Unit Letter <b>F</b>	Section <b>21</b>	Township <b>19 South</b>	Range <b>28 East</b>	County <b>EDDY</b>
Actual Footage Location of Well: <b>988</b> feet from the <b>South</b> line and <b>330</b> feet from the <b>East</b> line				
Ground Level Elev. <b>3433</b>	Producing Formation <b>Seven Rivers</b>	Pool <b>Millman Seven Rivers East</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.

*Dorothy Hammond*  
Name  
Secretary

Position  
Harlan Oil Company

Company  
4/9/81

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  
**March 25 & 26, 1981**

Registered Professional Engineer  
and/or Land Surveyor

*John W. Shearman*  
Certificate No. **1559**

