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NEW MEXICO OIL CONSERVATION COMMISSION

RECEIVED

JUN 25 1981

O. C. D.
ARTESIA, OFFICE

30-015-23860

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease
STATE FEE

5. State Oil & Gas Lease No.
E-7815

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
Harlan Oil Company

3. Address of Operator
P O Box 668, Artesia, N.M. 88210

4. Location of Well
UNIT LETTER J LOCATED 1647 1707 FEET FROM THE South LINE
AND 2270 FEET FROM THE East LINE OF SEC. 21 TWP. 19 S RGE. 28 E NMPM

7. Unit Agreement Name

8. Farm or Lease Name
Angell State

9. Well No.
5

10. Field and Pool, or Wildcat
Millman SevenRivers East

12. County
Eddy

19. Proposed Depth
1200'

19A. Formation
Seven Rivers

20. Rotary or C.T.
C T

21. Elevations (Show whether DF, RT, etc.)
3465 G L

21A. Kind & Status Plug. Bond
Statewide active

21B. Drilling Contractor
Jenkins Bros Drlg Co.

22. Approx. Date Work will start
6-29-81

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 1-7-82
UNLESS DRILLING UNDERWAY

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. 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 6/24/81

(This space for State Use.)

APPROVED BY W. A. Grasset TITLE SUPERVISOR, DISTRICT II DATE JUL 7 1981

CONDITIONS OF APPROVAL, IF ANY:

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

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

JUL 2 1981

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

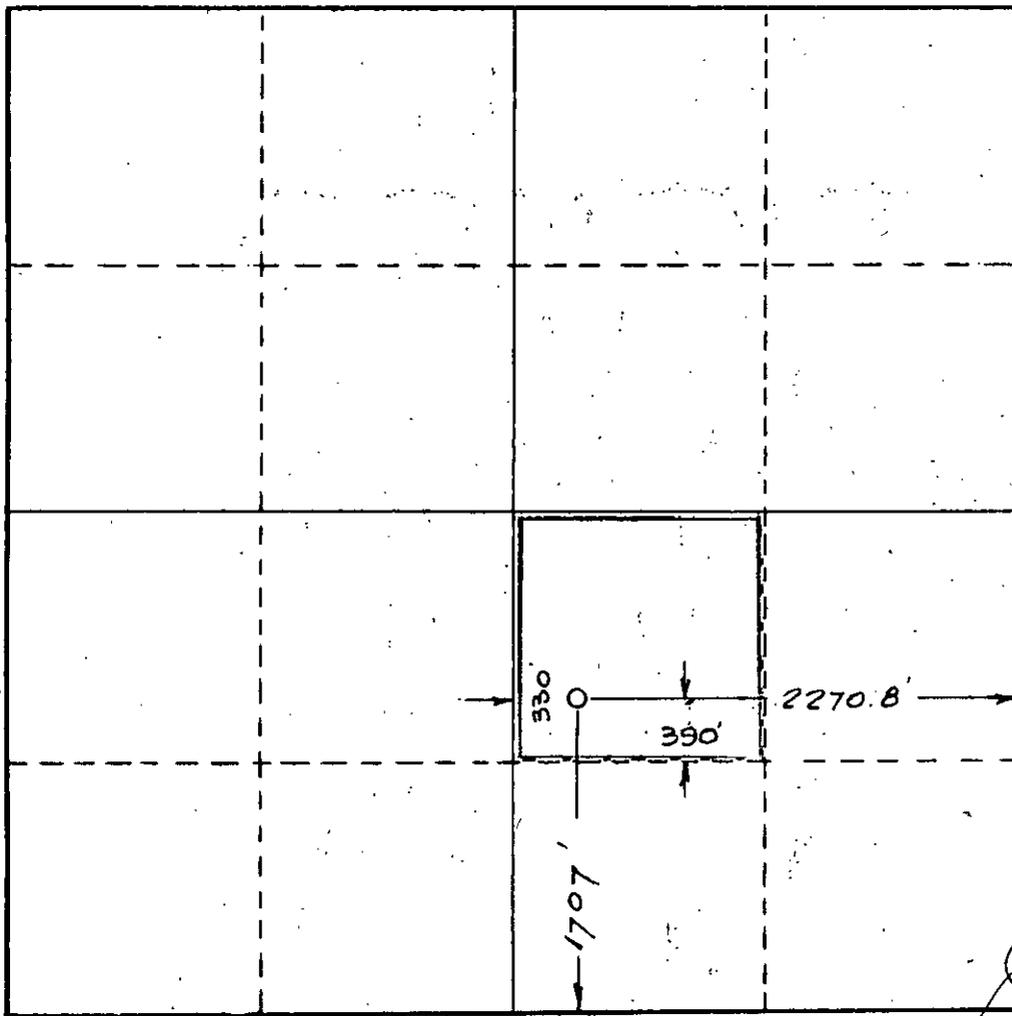
Operator HARLAN OIL COMPANY		Lease ANGELL STATE		O. C. D. 5	Well No. 5
Unit Letter J	Section 21	Township 19 South	Range 28 East	County EDDY ARTESIA, OFFICE	
Actual Footage Location of Well: 1707 feet from the South line and 2270.8 feet from the East line					
Ground Level Elev. 3465	Producing Formation Seven Rivers	Pool Millman Seven Rivers East		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.

Shirley Loop

Name
Shirley Loop

Position
Agent

Company
Harlan Oil Company

Date
July 2, 1981

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 **June 29, 1981**
March 25 & 26, 1981

Registered Professional Engineer
and/or Land Surveyor

John W. Shearn

Certificate No. **1559**

