

Submit to Appropriate  
District Office  
State Lease - 6 copies  
Fee Lease - 5 copies

State of New Mexico  
Er. /, Minerals and Natural Resources Department

Form C-101  
Revised 1-1-89

# OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

AUG 28 '89

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

API NO. (assigned by OCD on New Wells)

5. Indicate Type of Lease

STATE ☐

FEE ☒

6. State Oil & Gas Lease No.

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work:

DRILL ☒

RE-ENTER ☐

DEEPEN ☐

PLUG BACK ☐

b. Type of Well:

OIL  
WELL ☐

GAS  
WELL ☒

OTHER

SINGLE  
ZONE ☐

MULTIPLE  
ZONE ☐

7. Lease Name or Unit Agreement Name

Harroun Trust

8. Well No.

1

9. Pool name or Wildcat

Und. Cedar Canyon Morrow

4. Well Location

Unit Letter 0 : 2310 Feet From The East Line and 660 Feet From The South Line

Section 30 Township 23S Range 29E NMPM Eddy County

10. Proposed Depth

13,500'

11. Formation

Morrow

12. Rotary or C.T.

Rotary

13. Elevations (Show whether DF, RT, GR, etc.)

2859.8' GL

14. Kind & Status Plug. Bond

Blanket-current

15. Drilling Contractor

To be determined

16. Approx. Date Work will start

Rotary

17.

### PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17 1/2	13 3/8	48.0	400'	316	Surface
12 1/4	9 5/8	40.0	2700'	695	Surface
8 1/2	7	29.0	10700'	410	7500'
6 1/2	4 1/2	13.5	10200-13500'	315	10200'

Move in & rig up rotary tools. Drill 17 1/2" hole to 400'. Run 13 3/8" casing & cement with 416 cu.ft. Class C Neat containing 2% CaCl<sub>2</sub>. Wait on cement till 500 psi compressive strength is obtained. Nipple up diverter system consisting of 1 bag type preventer. Test casing to 600 psi. Drill 12 1/4" hole to 2700'. Run 9 5/8" casing. Cement with 837 cu.ft. Class C cement containing 4% gel and 0.25# flocele per sack, followed by 330 cu.ft. Class C Neat containing 2% CaCl<sub>2</sub>. Wait on cement till 500 psi compressive strength obtained. Nipple up triple ram BOP with hydrill. Pressure test casing to 1500 psi. Pressure test BOP to 1500 psi. Drill 8 1/2" hole to 10,700'. Log. Run 7" casing. Cement with 525 cu.ft. 50/50 poz mix A containing 2% gel, 6# salt per sack & 0.3% friction reducer. Test BOP stack to 10,000 psi. Test casing to 3000 psi. Drill shoe & 10' of formation. Test formation to 13.0 ppg mud weight equivalent. Drill 6" hole to 13,500'. Log. Either P&A or run 4 1/2" casing & cement with 340 cu.ft. Class H containing 0.6% friction reducer, 0.4% fluid loss additive, 5# KCl per sack.

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.

SIGNATURE Michael R. Burton TITLE District Drilling Engineer DATE 8-25-89

TYPE OR PRINT NAME Michael R. Burton TELEPHONE NO. 687-3551

(This space for State Use)

ORIGINAL SIGNED BY

MIKE WILLIAMS

SUPERVISOR, DISTRICT II

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE AUG 28 1989

CONDITIONS OF APPROVAL, IF ANY:

Post 210-1  
9-1-89  
Newloc & API

APPROVAL VALID FOR 180 DAYS  
PERMIT EXPIRES 2/28/90  
UNLESS DRILLING UNDERWAY

