

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

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-101  
Revised 1-1-89

OIL CONSERVATION DIVISION

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

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

APR 26 '90

API NO. (assigned by OCD on New Wells)

30-015-22902

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 ☐

ARTESIA OFFICE

PLUG BACK ☒

b. Type of Well:

OIL  
WELL ☐

GAS  
WELL ☒

OTHER

SINGLE  
ZONE ☒

MULTIPLE  
ZONE ☐

7. Lease Name or Unit Agreement Name

Pardue 34 Com

2. Name of Operator

Quinoco Petroleum, Inc.

8. Well No.

1

3. Address of Operator

P. O. Box 378111, Denver, CO 80237

9. Pool name or Wildcat

Culebra Bluff Delaware

4. Well Location

Unit Letter H : 2310 Feet From The North Line and 660 Feet From The East Line

Section

34

Township

23 S

Range

28 E

NMPM

Eddy

County

10. Proposed Depth

+ 6,310'

11. Formation

Delaware

12. Rotary or C.T.

-

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

3035' GL

14. Kind & Status Plug. Bond

-

15. Drilling Contractor

-

16. Approx. Date Work will start

6/1/90

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#	516'	625 sxs	Surf.
12 - 1/4"	9 - 5/8"	36#	2,550'	1,750 sxs	Surf.
8 - 1/2"	7"	23# & 26#	11,236'	1,275 sxs	6750'
6 - 1/8"	4 - 1/2" Liner	13.5#	13,050'	330 sxs	TOL: 11,024

Quinoco Petroleum, Inc. proposes to plugback the Pardue 34 Com #1 from the Bone Springs formation (perf's @ 6,370 - 6,408') to the Delaware formation as follows:

1. MIRU completion unit. POH w/ rods and pump. ND tree. NU BOP's.
2. Unset 7" Guiberson UNI Packer VI. POOH w/ Baker TAC, pumping assembly and 2-3/8" tubing set @6,342'.
3. RIH w/ wireline and set CIBP @6,360'. Dump 50' of cement on top of bridge plug. Circulate hole clean. RU wireline and run CBL-GR logs from 6,360 to 2,540'. Squeeze zones to be perforated if necessary.

(continue on back)

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

Holly S. Richardson

TITLE Sr. Ops. Eng. Tech.

DATE 4/20/90

(303)

TYPE OR PRINT NAME

Holly S. Richardson

TELEPHONE NO. 850-6322

(This space for State Use)

ORIGINAL SIGNED BY  
MIKE WILLIAMS  
SUPERVISOR, DISTRICT II

APPROVED BY

TITLE

DATE

APR 27 1990

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL VALID FOR 180 DAYS  
PERMIT EXPIRES 11/2/90  
UNLESS DRILLING UNDERWAY

4. Perforate Delaware from 6,240' - 6,245' - and 6,214 - 6,236' (27 ft) w/4" HSC guns with 2 jspf for a total of 55 - 0.50" holes.
5. TIH w/2-3/8" tubing, seating nipple and 7" packer. Spot acid across perforations and pull packer above perforations and set a  $\pm$  6150'.
6. Acidize with 2000 gallons 7-1/2% HCL acid with 100 ball sealers, staged. Do not swab acid back, allow to surge and follow with 21,000 gallons gelled water frac w/25% Co<sub>2</sub>. Use 45,000 lbs of 20/40 sand with 16/30 sand on last 1250 gallons.
7. Swab and flow test. RDSU if rates are commercial.
8. If no commercial production. POOH w/ tubing and packer. RIH w/ wireline and set retrievable B. P. @ 6210'.
9. Perforate Delaware from 6147-6157' and 6160-6166' (16 ft) w/ 4" HSC guns with 2 jspf.
10. Repeat steps 6 through 8.