

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

API NO. (assigned by OCD on New Wells)
30-025-27263

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
L-6328

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 ☐

2. Name of Operator

Quinoco Petroleum, Inc.

3. Address of Operator

P.O. Box 378111, Denver, Colorado 80237

7. Lease Name or Unit Agreement Name

Vaca Draw 16 State

8. Well No.

1

9. Pool name or Wildcat

~~Draper Mill Wolfcamp~~ *Wildcat Bone Springs*

4. Well Location

Unit Letter E : 1980 Feet From The North Line and 660' Feet From The West Line

Section 16 Township 25S Range 33E NMPM Lea County

10. Proposed Depth
+ 10,500'

11. Formation
Bone Springs

12. Rotary or C.T.

13. Elevations (Show whether DF, RT, GR, etc.)
3416' GR

14. Kind & Status Plug. Bond

15. Drilling Contractor

16. Approx. Date Work will start
11/15/89

17. EXISTING ~~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#	560'	300 Pacemaker	Lite & 250 C.I.C.
12-1/4"	9-5/8"	36#	4924'	2900 Pacemaker	C Lite & 500 C.I.C.
8-1/2"	7"	26#	13253'	500 Pacemaker	Lite & 550 C.I.C.

Quinoco Petroleum, Inc. proposes to abandon the Wolfcamp zone (perfs @ 13,714-753') and recompleate the Vaca Draw 16 State 1 to the Bone Springs formation as follows:

1. MIRU pulling unit. Kill well with 10#/gal brine if necessary, ND tree, NU BOP's.
2. POOH 2-7/8" tubing and packer seal assembly.
3. RU wireline and set CIBP @ + 10,500'. Dump 50' of cmt on top of bridge plug. RU Wireline and run Schlumberger SDT log w/CBL-GR log from 10,450' to 9,000' and correlate with Schlumberger Compensated Neutron Formation Density Log. Squeeze if necessary. Circulate the hole clean with clean packer fluid prior to running into the hole with tubing conveyed guns.

(please see reverse side)

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 Nelly S. Richardson TITLE Production Technician DATE 11/7/89

TYPE OR PRINT NAME

TELEPHONE NO.

(This space for State Use)

Orig. Signed by
Paul Kautz
Geologist

APPROVED BY _____ TITLE _____ DATE NOV 13 1989

CONDITIONS OF APPROVAL, IF ANY:

Permit Expires 6 Months From Approval
Date Unless ~~Drilling~~ *workover* Underway.

4. On 2-7/8" tubing, run tubing conveyed guns spaced out with a Guiberson UNI packer VI into hole and set packer @ 9,530'. ND BOP's and NU wellhead.

NOTE: Hydrotest tubing while going into the hole.

5. Swab hole down to + 8,000'. Drop bar and perforate Bone Springs from 9,788-9,796' and 9,628-9,634' with 2 jspf large diameter 0.50" holes. (28 total)
6. Flow test and evaluate well. Evaluate for additional stimulation with recommendation to follow:

Acidize with 15% FE acid, composed of 15% HCL plus additives. Pump via 2-7/8" tubing at 4-5 BPM at + 5,500 psi 1600 gallons of acid with 100 RCN balls spaced out. Displace with 2% KCL water. Swab or flow as necessary to recover load and evaluate zone.