

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

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

OIL CONSERVATION DIVISION

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

OCT 11 '90

Amended

API NO. (assigned by OCD on New Wells)
30-015-23340

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:

OE WELL ☐ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐

7. Lease Name or Unit Agreement Name

Cassidy Com

2. Name of Operator

Hallwood Petroleum, Inc.

8. Well No.

1

3. Address of Operator

P.O. Box 378111, Denver, CO 80237

9. Pool name or Wildcat

Loving North Brushy Canyon

4. Well Location

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

Section 29 Township 23S Range 28E NMPM Eddy County

10. Proposed Depth

± 9,100'

11. Formation

Brushy Canyon

12. Rotary or C.T.

-

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

3,114.6' RKB

14. Kind & Status Plug. Bond

-

15. Drilling Contractor

-

16. Approx. Date Work will start

ASAP

17.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
20"	16"	65# & 84#	400'	750	Surf.
14-3/4"	10-3/4"	40.5#	2,410'	2,175	Surf.
9-7/8"	7-5/8"	29.7# & 33.7#	9,670'	1,530	-
6-1/2"	5" Liner	TOP: 9,250'	Btm: 12,750'	500	

Hallwood Petroleum, Inc. proposes to plug-back the Cassidy Com #1 from the Morrow zone (perf'd @ 12,216 - 338') to the Brushy Canyon zone @ 5,938 - 972' as follows:

1. MIRU completion unit. ND tree. NU BOP. Release pkr & TOOH
2. RIH w/WL & set 5" CIBP @ 12,100'. Dump 35' cmt on top of CIBP
3. RU WL & run CBL GR. Squeeze zones to be perf'd if necessary
4. TIH w/2-7/8" tbg & SN. Swab well dn to ±4,500'. TOOH w/tbg.
5. Perf Brushy Canyon from 5,938 - 5,972' (34') w/4 JSPF (137 shots) w/90° phasing, 4" hollow carrier csg gun.
6. Flow well or TIH w/tbg, SN & 7-5/8", 29.7# pkr & swab test well.
7. Acidize w/2000 gals 7-1/2% HCl w/140 ball sealers. Surge balls or release pkr & run past perms. Pull back up & set pkr @ 5,900'. Frac well. (Cont'd 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 Nelly S. Richardson TITLE Sr. Ops. Eng. Tech. DATE 10/4/90

TYPE OR PRINT NAME

TELEPHONE NO.

(This space for State Use)

ORIGINAL SIGNED BY
MIKE WILLIAMS

APPROVED BY SUPERVISOR, DISTRICT II TITLE DATE OCT 17 1990

CONDITIONS OF APPROVAL, IF ANY:

8. Flow test.

As verbally approved by Mike Williams (NMOCD) on October 3, 1990, upon permanent P&A of this well, Hallwood agrees to set either a 1) CIBP capped with 35' of cement or 2) a 100' cement plug across the top of the Penn, Wolfcamp and above the liner.