

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

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

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)	30-025-27263
5. Indicate Type of Lease	STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	L-6328

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work: DRILL <input type="checkbox"/> RE-ENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/>		7. Lease Name or Unit Agreement Name Vaca Draw 16 State			
b. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Well No. 1			
2. Name of Operator Hallwood Petroleum, Inc.		9. Pool name or Wildcat Wildcat Bone Spring			
3. Address of Operator P. O. Box 378111, Denver, Colorado 80237					
4. Well Location Unit Letter <u>E</u> : <u>1980</u> Feet From The <u>North</u> Line and <u>660'</u> Feet From The <u>West</u> Line Section <u>16</u> Township <u>25S</u> Range <u>33E</u> NMMPM Lea County					
10. Proposed Depth 12,290'		11. Formation Bone Spring			
12. Rotary or C.T.					
13. Elevations (Show whether DF, RT, GR, etc.) 3416' GR		14. Kind & Status Plug. Bond			
15. Drilling Contractor N/A		16. Approx. Date Work will start 3/20/93			
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#	560'	300 Pacesetter	Lite & 250 C1C
12-1/4"	9-5/8"	36#	4924'	2900 Pacesetter	C Lite & 500 C1C
8-1/2"	7"	26#	13253'	500 Pacesetter	Lite & 550 C1C

Please See Attached Procedure

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 Kevin O'Connell TITLE Dir. & Prod. Supervisor DATE 2/3/93
TYPE OR PRINT NAME Kevin O'Connell (303) TELEPHONE NO. 850-6303

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT I SUPERVISOR

APPROVED BY _____ TITLE _____ DATE FEB 09 1993

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

FEB 08 1993

OCD HOBBBS OFFICE

Vaca Draw "16" State #1
SW/NW Section 16-T258-R33E
(1,980' FNL X 660' FWL)
Draper Mill- (Wolfcamp) Field - CURRENT FIELD
Lea County, New Mexico

PROCEDURE:

PART I

1. MIRUSU. Kill well if necessary with brine water. ND tree and NU BOP's.
2. PU on 2-7/8" tubing and seal assembly, pull out of PBR and tally out of hole.
3. RU Wireline and set a 4-1/2" CIBP in the liner above the Wolfcamp perms at 13,675'. Cap with 35 feet of cement.
4. Trip back in hole with tubing, hydrotesting it. Trip in to top of liner and spot a 100' (21 to 25 sacks) cement plug at the liner top. TOOH.
5. RU Wireline and RIH with 4-inch casing guns loaded 4 spf, 90° phasing, maximum premium charges. Run a Gamma gun, correlate to open hole Schlumberger FDC/CNL Log dated 3-28-81 (Run #1) and perforate:

12,276-12,290' (14 feet)

6. PU a treating packer, SN and tubing and RIH to 12,220' (approx.) set packer and pressure test backside.
7. Swab zone down and prep to acidize.
8. Acidize zone with 1500 gallons of 7-1/2% acid, displace with 2% KCL water.
9. Swab and flow zone to determine productivity and or need for additional stimulation.

PART II

10. Depending on results above the zone at 12,276-12,290' will either be P & A'd or temporarily abandoned with an RBP.
11. Correlate to same log in Step 5 and perforate the following zones with same type and density of perf guns:
9,628-9,636' (8 feet)
9,786-9,810' (24 feet)
12. TIH with treating packer, SN and tubing to 9,550' (±). Set packer and swab test.
13. Acidize this zone with 3000 gallons of acid per forth coming procedure.
14. Swab/flow test to determine productivity.