

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

Form C-101
Revised 10-1-78

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P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

API #
30-037-20016

OCT 27 1981

5A. Indicate Type of Lease
STATE ☐ FEE ☒
6. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACKSANTA FE

a. Type of Work **RE-ENTER DRY HOLE**
 b. Type of Well
 DRILL ☐ DEEPEN ☐ PLUG BACK ☐
 OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐
 c. Name of Operator
HCW Exploration, Inc
 d. Address of Operator
P.O. Box 10585 Midland, Texas 79702
 e. Location of Well
 UNIT LETTER **B** LOCATED **825** FEET FROM THE **North** LINE
 NO **1650** FEET FROM THE **East** LINE OF SEC. **10** TWP. **6-N** RGE. **27-E** NMPM

7. Unit Agreement Name
 8. Farm or Lease Name
Blackburn
 9. Well No.
1
 10. Field and Pool, or Wildcat
Wildcat
 12. County
Quay

19. Proposed Depth **4900'** 19A. Formation **Abo** 20. Rotary or C.T. **Rotary**
 21A. Kind & Status Plug. Bond **Blanket** 21B. Drilling Contractor **To be determined** 22. Approx. Date Work will start **Nov. 15, 1981**
 Elevations (show whether D.F., H.T., etc.) **5049' GL**

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
	9 5/8"		1493'		Surface
8 3/4"	4 1/2"	9.5 #	4900'	950	Surface

This proposal is to re-enter the Amoco Production Company Blackburn Farms, Inc. Well No.1. The 9 5/8" surface casing is set at 1493' and cemented to surface. Cement plugs are as follows:

Plug No.	Interval	Cement	Formation
1	8230'-8330'	50 sx."H"	Top Mississippian
2	6550'-6650'	50 sx."H"	Top Pennsylvanian
3	4700'-4800'	70 sx."H"	Top Abo
4	1450'-1550'	70 sx."H"	Across Base of Surface Casing
5	Surface	10 sx."H"	Surface

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.

By Steve A Douglas Title Division Engineer Date 10-23-81

(This space for State Use)

APPROVED BY Carl Wilcox TITLE SECRETARY DATE 10-27-81

CONDITIONS OF APPROVAL, IF ANY:

OIL CONSERVATION COMMISSION TO BE NOTIFIED
WITHIN 24 HOURS OF BEGINNING OPERATIONS

Blackburn #1 cont'd.

Well was plugged and abandoned 3-15-77. Plans are to move in completion unit and reverse unit. Weld on 9 $\frac{5}{8}$ " S.O.W. x 10" 3000 psi casinghead. Install 10" 3000 psi B.O.P. Run 8 $\frac{3}{4}$ " bit and drill out cement plug at surface, cement plug from 1450' - 1550', and cement plug from 4700' - 4800'. Clean out to 4900'. Then run 4900' of 4 $\frac{1}{2}$ ", 9.5#, K-55, ST+C casing. Cement 4 $\frac{1}{2}$ " casing with approximately 250 sx. Class "C" followed by 700 sx. Lightweight. This volume should circulate cement to surface or at least bring cement inside 9 $\frac{5}{8}$ " casing. Then install 10" 3000 psi x 6" 3000 psi tubing spool and 6" 3000 psi B.O.P. Will attempt to make a completion in the Abo formation.

APPROVAL VALID FOR 90 DAYS
PERMIT EXPIRES 1-25-82
UNLESS DRILLING UNDERWAY

COLLECT AND SACK SAMPLES FOR
NEW MEXICO BUREAU OF MINES, SOCORRO
AT AT LEAST TEN FOOT INTERVALS