

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION  
HOODS OFFICE O, O, O.

JUN 18 11 29 AM '68

Form C-101  
Revised 1-1-65

5A. Indicate Type of Lease  
STATE ☒ FEE ☐  
5. State Oil & Gas Lease No.  
**K-363**

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		7. Unit Agreement Name	
b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name <b>Hanagan State</b>	
2. Name of Operator <b>Atlantic Richfield Company</b>		9. Well No. <b>1</b>	
3. Address of Operator <b>P. O. Box 1978, Roswell, New Mexico 88201</b>		10. Field and Pool, or Wildcat <b>Undesignated</b>	
4. Location of Well UNIT LETTER <b>E</b> LOCATED <b>1980</b> FEET FROM THE <b>North</b> LINE AND <b>660</b> FEET FROM THE <b>West</b> LINE OF SEC. <b>17</b> TWP. <b>10-S</b> RGE. <b>34-E</b> NMPM		12. County <b>Lea</b>	
		19. Proposed Depth <b>10,200'</b>	
		19A. Formation <b>Pennsylvanian</b>	
		20. Rotary or C.T. <b>Rotary</b>	
21. Elevations (Show whether DF, RT, etc.) <b>To be reported</b>		21A. Kind & Status Plug. Bond <b>Bond #8 GCA</b>	
		21B. Drilling Contractor <b>Not selected</b>	
		22. Approx. Date Work will start <b>6-21-68</b>	

23. PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17-1/4"	13-3/8"	48#	400'	Circulate	Surface
12-1/4" & 11"	8-5/8"	24# & 32#	4100'	500 sx	2500'
7-7/8"	5-1/2"	15.5 & 17#	10200'	300 sx	9200'

We propose to drill a well as outlined above to test the producing capabilities of the Bough "C" zone of the Pennsylvanian formation. 2 ram hydraulic BOP's will be used on all casing strings.

THE COMMISSION MUST BE NOTIFIED  
24 HOURS PRIOR TO RUNNING 13 3/8"  
CASING

APPROVAL VALID  
FOR 90 DAYS UNLESS  
DRILLING COMMENCED.

**Sept 17, 1968**

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.

Signed O. D. Bretches Title Dist. Drilling Supervisor Date June 17, 1968

(This space for State Use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

*John W. Runyan*

TITLE

DATE