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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-4-85

5A. Indicate Type of Lease	
STATE <input checked="" type="checkbox"/>	FEE <input type="checkbox"/>
5. State Oil & Gas Lease No.	
B-1506	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER WIW <input checked="" type="checkbox"/>		Seven Rivers Queen Unit	
2. Name of Operator ARCO Oil and Gas Company Division of Atlantic Richfield Company		8. Farm or Lease Name Seven Rivers Queen Unit	
3. Address of Operator P. O. Box 1710, Hobbs, New Mexico 88240		9. Well No. 65	
4. Location of Well UNIT LETTER <u>E</u> LOCATED <u>2080</u> FEET FROM THE <u>North</u> LINE AND <u>560</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>3</u> TWP. <u>23S</u> RGE. <u>36E</u> NMPM		10. Field and Pool, or Wildcat Langlie Mattix 7R On	
12. County Lea			
19. Proposed Depth 3920'		19A. Formation 7R Queen	
20. Rotary or C.T. Rotary			
21. Elevations (Show whether DF, RT, etc.) 34 78.8' GR		21A. Kind & Status Plug. Bond GCA #8	
21B. Drilling Contractor Not selected		22. Approx. Date Work will start 1/29/85	

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" OD	54.5# Cond Pipe	30'	3 yds Redi-mix	Surf.
11"	8-5/8" OD	24#	300'	125 sx	Surf.
7-7/8"	5 1/2" OD	15.5#	3920'	675 sx	Surf.

This is a replacement WIW for the Seven Rivers Queen Unit #49. Propose to drill a WIW in the Seven Rivers Queen Unit to the 7Rivers Queen, log, perforate and treat, complete to more efficiently recover secondary reserves. Completion assembly will be 2-3/8" OD IPC 4.7# tbg and a tension pkr above perfs. Will displ tbg/csg annulus with treated fluid and install pressure gauge to monitor surface injection pressure.

Blowout Preventer Program attached.

Survey Expires 6 Months From Approval
Date unless Drilling Underway.

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 Elizabeth S. Bush Title Drlg. Engr. Date 1/29/85

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON

APPROVED BY DISTRICT 1 SUPERVISOR TITLE DATE FEB - 5 1985

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

FEB - 4 1985

O.C.B.
HOBBS OFFICE