

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

L CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-101
Revised 10-1-78

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DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work b. Type of Well OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐		DRILL ☐ DEEPEN ☐ PLUG BACK ☒	7. Unit Agreement Name
2. Name of Operator ARCO Oil and Gas Company Division of Atlantic Richfield Company		8. Farm or Lease Name B. Davis	
3. Address of Operator P. O. Box 1710, Hobbs, New Mexico 88240		9. Well No. 2	
4. Location of Well UNIT LETTER N LOCATED 330 FEET FROM THE South LINE AND 2310 FEET FROM THE West LINE OF SEC. 34 TWP. 23S RGE. 36E NMPM		10. Field and Pool, or Wildcat Langlie Mattix 7R On	
		12. County Lea	
		19. Proposed Depth 3460'	19A. Formation Yates 7R
		20. Policy or C.T. C.T.	
21. Elevations (Show whether DF, KT, etc.) 3392' GR	21A. Kind & Status Plug. Bond GCA #8	21B. Drilling Contractor Not selected	22. Approx. Date Work will start

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4"	10-3/4"	32.75#	279'	200	Surf
11"	7" OD	24#	1368'	225	Surf
7-7/8"	5 1/2"	15.3#	3532'	255	908'

Propose to perforate Jalmat Yates Seven Rivers, acidize & frac. Test for commercial production in the following manner:

1. Perforate 3295-3418' & acidize w/1000 gals 15% NEFE. Swab test. If wet, set cmt retr & squeeze off. If not wet, frac w/10,000 gals cross linked gelled 2% KCL wtr, 40,000# sd. Test & complete if commercial. If not commercial, set RBP @ 3260', w/3 sx sd on top or cmt squeeze perms.
2. Perforate w/1 SPF @ 3048, 56, 62, 71, 78, 87, 93, 3106, 12, 18, 32, 37, 42, 52, 56, 61, 70, 86, 3226, 30, 40'. Acidize w/2000 gals 15% NEFE & frac w/20,000 gals cross linked gelled 2% KCL wtr & 80,000# sd. Swab test, if commercial, complete. If not commercial, set cmt retr @ 3030' if no RBP @ 3260', cmt squeeze perms 3048-3240'.
3. Perforate 1 SPF @ 2922, 26, 39, 42, 57, 77, 89, 3010, 13'. Set pkr & acidize w/1000 gals 15% NEFE, frac w/10,000 gals cross linked gelled KCL wtr w/5000 gals CO₂, 40,000# sd. Swab test. Return to production.

L-M Seven Rivers abandonment reported separately on C-103.

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 SHUT-IN PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed Jerry Sexton Title Drlg. Engr. Date 3/15/84
(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT 1 SUPERVISOR

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

30 1984