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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-85

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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work <u>Re-Enter</u>		7. Unit Agreement Name	
b. Type of Well DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name ARCO SRC	
2. Name of Operator ARCO Oil and Gas Company Division of Atlantic Richfield Co.		9. Well No. 1	
3. Address of Operator P. O. Box 1710, Hobbs, N M 88241-1710		10. Field and Pool, or Wildcat <u>Wildcat</u> Crosby Abo Reef	
4. Location of Well UNIT LETTER <u>H</u> LOCATED <u>1980</u> FEET FROM THE <u>North</u> LINE AND <u>660</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>29</u> TWP. <u>25S</u> RGE. <u>37E</u> NMPM		12. County Lea	
19. Proposed Depth 7000'		19A. Formation Abo Reef	
20. Rotary or C.T. Rotary		21. Elevations (Show whether DF, RT, etc.) 3029' GR	
21A. Kind & Status Plug. Bond GCH #8		21B. Drilling Contractor Not Selected	
22. Approx. Date Work will start 11/23/81			

23. Present
~~PROPOSED~~ CASING AND CEMENT PROGRAM in hole

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17½	13-3/8" OD	48#	512'	500	Circ to surf
12¼	9-5/8" OD	36#	3655'	3075	Circ to surf
7-7/8	5½" OD	17 & 20#	3351-9208'	800	4600' & cmt across 5½" csg stub 3254-3534'

Propose to re-enter a P&A well & test for Abo reef production in the following manner:

1. Rig up, remove dry hole marker, install wellhead & BOP. Drill out surface plug of 10 sx cmt, CO to approx 2400'. Press test 9-5/8" csg to 1500# for 30 mins.
2. Continue in hole w/8-3/4" bit & drill out cmt plug 2436-2580', run bit to 2740' old PBTD. Press test 9-5/8" OD csg to 1500# for 30 mins.
3. Drill out BP @ 2740' & cmt plug 3254-3351'. Press test 9-5/8" csg & 5½" csg lap to 1500# for 30 mins. Drill out cmt plug 3351-3534' inside 5½" csg & continue CO to 7000'. Press test 5½" csg to 1500# for 30 mins.
4. Run CBL 7000' - surf. Run GR-CNL-FDC log
5. Perforate 5½" csg @ 6630-6880', acidize w/approx 1500 gals 15% HCL acid, test for oil production in Abo Reef.

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 James W. Schmidt Title Dist. Drlg. Supt. Date 11/16/81
(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 5/19/82
UNLESS DRILLING UNDERWAY