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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-4-65

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		7. Unit Agreement Name	
b. Type of Well DRILL <input type="checkbox"/> Re-enter <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 Melba Goins	
2. Name of Operator AMCO Oil and Gas Company Division of Atlantic Richfield Company		9. Well No. 1	
3. Address of Operator Box 1710, Hobbs, New Mexico 88240		10. Field and Pool, or Wildcat Langlie Mattix	
4. Location of Well UNIT LETTER P LOCATED 330 FEET FROM THE South LINE AND 990 FEET FROM THE East LINE OF SEC. 27 TWP. 23S RGE. 37E NMPM		12. County Lea	
21. Elevations (Show whether DE, RT, etc.) 3272' RKB		21A. Kind & Status Plug. Bond GCA #8	21B. Drilling Contractor Not selected
21C. Original TD 9825'		19A. Formation 7Rivers Queen	20. Rotary or C.T. Workover Rig
22. Approx. Date Work will start 3/10/80			

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" OD		306'	325	Circ to surf
11"	8-5/8" OD		2900'	2000	Circ to surf
7-3/8"	5 1/2" OD	14#, 17#	9736'	410	6212'

Propose to re-enter a previously P&A well and perforate and treat the Langlie Mattix Queen producing capabilities in the following manner:

1. Rig up, remove dry hole marker & install wellhead.
2. Drill out cmt plugs 16'-51' and 524-604'. Run bit inside 5 1/2" csg to approx 3500'.
3. Run CBL & Vertilog approx 3500' to surf.
4. Mill over 5 1/2" csg stub @ 559', dress 5 1/2" stub for csg bowl. Run csg bowl & 5 1/2" OD csg to surf.
5. Perforate @ 3500' w/4 JS. Circ cmt thru perfs to surf w/Cl C cmt w/2% CaCl. Volume to be determined by pump in rate. WOC.
6. Drill out cmt & press test squeeze job & csg bowl to 1500# for 30 mins.
7. Perf Queen Gas zone w/1 JSPF @ 3382, 95, 3400, 03, 13, 19, 23, 26, 43, 66'.
8. RIH w/pkr on 2-7/8" tbg, set pkr @ 3340'.
9. Treat perfs w/2500 gals 15% HCL acid & frac w/10,000 gals gelled 3% KCL wtr & 10,000 gals CO2 w/39,000# sd. Swab test & clean up. POH w/pkr.
10. RIH w/compl assy, put on production. Blowout preventer program attached.

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 [Signature] Title Dist. Drlg. Supt. Date 3/13/80

(This space for State Use)

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT 1 DATE MAR 16 1980

CONDITIONS OF APPROVAL, IF ANY: