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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

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"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/>		8. Farm or Lease Name	
OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		W. H. Harrison "D" WN	
2. Name of Operator		9. Well No.	
ARCO Oil & Gas Company		7	
Division of Atlantic Richfield Co.		10. Field and Pool, or Wildcat	
3. Address of Operator		Langlie Mattix 7 R Qn	
P. O. Box 1710, Hobbs, New Mexico 88240			
4. Location of Well		12. County	
UNIT LETTER <u>K</u> LOCATED <u>1980</u> FEET FROM THE <u>South</u> LINE		Lea	
AND <u>1980</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>29</u> TWP. <u>24S</u> RGE. <u>37E</u> NMPM			
		19. Proposed Depth	
		3756'	
		19A. Formation	
		Yates Gas	
		20. Rotary or C.T.	
		Completion Rig	
21. Elevations (Show whether DF, RT, etc.)		22. Approx. Date Work will start	
3251.8 GR		4-1-82	
21A. Kind & Status Plug. Bond		21B. Drilling Contractor	
GCA #8		Not Selected	

23.

Present
~~PROPOSED~~ CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/2"	8-5/8" OD	24# K-55	1165'	750 sx	Circ. to surf.
7-7/8"	5-1/2" OD	15.5# K-55	3756'	1000 sx	Circ. to surf.

Perforate Jalmat Yates Gas selectively 2971-3357'. RIH w/pkr, set pkr above perms & acidize w/3000 gals 15% HCL-LST NE acid. Swab test. Frac w/27,500 gals gel, 27,500 gals CO₂ & 137,000# sd. CO sand & swab test. Run completion assy and shut-in until OCD approval received.

Gas Dedicated
Blowout Preventer Program Attached
Intent to P & A Langlie Mattix 7 R Qn zone filed separately on C-103.

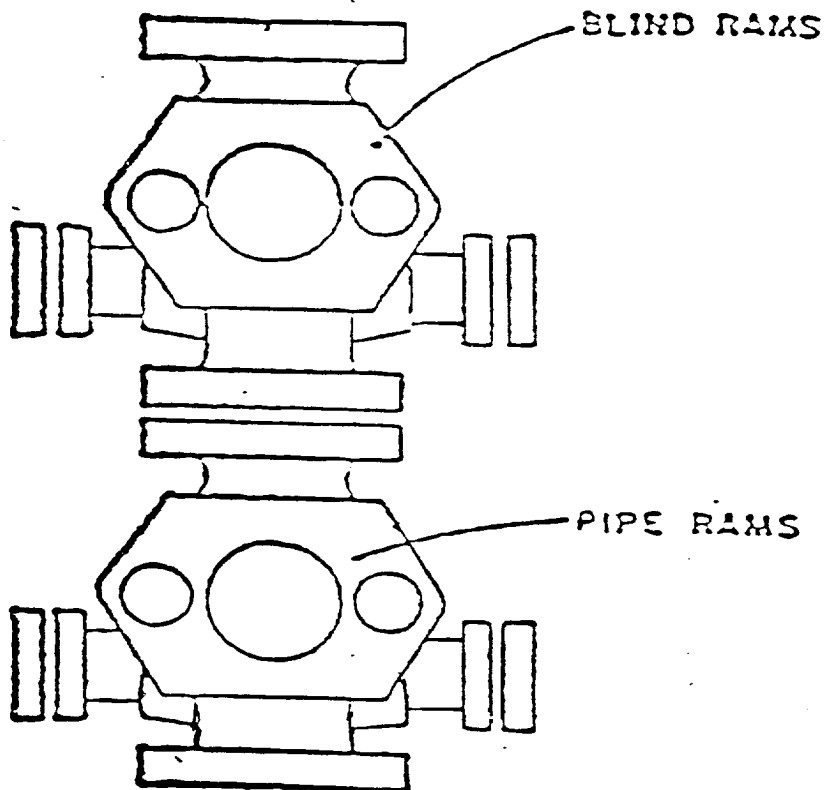
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed Jerry W. Schmitt Title Dist. Drlg. Supt. Date 3-29-82

(This space for State Use)

APPROVED BY JERRY SEXTON TITLE DISTRICT SUPERVISOR DATE APR 2 1982



ARCO Oil & Gas Company

Division of Atlantic Richfield Company

Blow Out Preventer Program

Lease Name W. H. Harrison "D" WN

Well No. 7

Location 1980' FSL & 1980' FWL,
Sec 29-24S-37E, Lea Co., NM

BOP to be tested when installed on well and will be maintained in good working condition during drilling. All wellhead fittings to be of sufficient pressure to operate in a safe manner.

JWS
3/31/82