

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 1-1-65

5A. Indicate Type of Lease	
STATE <input checked="" type="checkbox"/>	FEE <input type="checkbox"/>
5. State Oil & Gas Lease No.	
E-1582	

## 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 checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		Lea 403 State	
2. Name of Operator ARCO Oil & Gas Company Division of Atlantic Richfield Company		9. Well No. 6	
3. Address of Operator P. O. Box 1710, Hobbs, New Mexico 88240		10. Field and Pool, or Wildcat Vacuum Dev. Mid	
4. Location of Well UNIT LETTER B LOCATED 660 FEET FROM THE North LINE AND 1980 FEET FROM THE East LINE OF SEC. 17 TWP. 18S RGE. 35E NMPM		12. County Lea	
19. Proposed Depth 9083		19A. Formation Bone Springs	20. Rotary or C.T. Comp Tools
21. Elevations (Show whether DE, RT, etc.) 3943' GR	21A. Kind & Status Plug. Bond GCA #8	21B. Drilling Contractor Not Selected	22. Approx. Date Work will start 10/1/80

23. Casing now in hole					
-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	48# H-40	402'	450	Circ to surf
12 1/4"	9-5/8" OD	36 & 40# J-55	4000'	1850	965 fr surf
8-3/4"	7-5/8" OD	29.7# S-95	3849-10425'	1060	Circ
6 1/2"	5" OD liner	33.7#, 39#	10318-11776'	250	10,360
		18# N-80			

Propose to plug back from Vacuum Dev. Mid Zone and recomple to Bone Springs in the following manner:

1. Perforate Bone Spring Zone 9072-83' w/ 1 JSPF. Acidize perms w/15% HCL-LST-NE if required.
2. If unsuccessful, set RBP @ 9050' & perf 2nd Bone Spring 9016-26', acidize w/15% HCL-LSTNE acid.
3. If 2nd Bone Spring unsuccessful, set RBP @ 7850', perf Bone Spring 7812-30', acidize w/15% HCL LSTNE.
4. Run completion assy & return to prod.

NOTE: Abandonment of Vacuum Dev Mid Zone intent submitted separately on Form C-103.

See attached BOP diagram.

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.

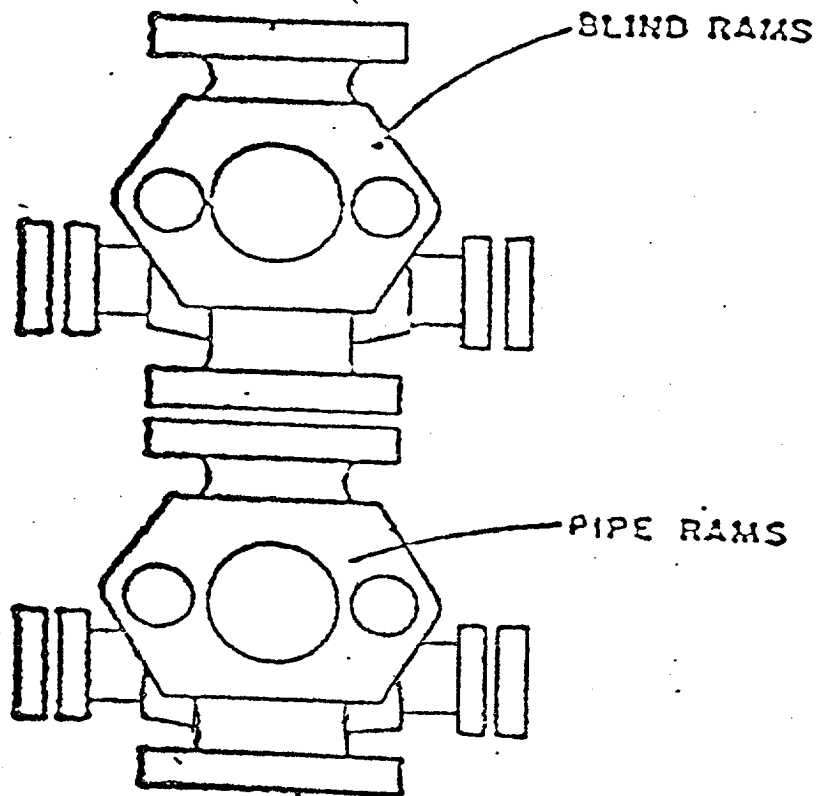
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed George W. Schmidt Title Dist. Drlg. Supt. Date 9/26/80

(This space for State Use)

APPROVED BY John W. Kungas TITLE 77777777 DATE 06 6 1980

CONDITIONS OF APPROVAL, IF ANY:



**ATLANTIC RICHFIELD COMPANY**  
**Blow Out Preventer Program**

**Lease Name** Lea 403 State

**Well No.** 6

**Location** 660' FNL & 1980' FEL  
Sec 17, 18S, 35E, Lea County, N M

BOP to be tested before 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.