

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. LC-029435(b)
b. TYPE OF WELL 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"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR ARCO Oil & Gas Co. Division of Atlantic Richfield Co. JUL 13 1981		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P. O. Box 1710, Hobbs, New Mexico 88240		8. FARM OR LEASE NAME J. L. Keel "B"
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 430' FSL & 2250' FEL Unit Letter "O" At proposed prod. zone as above as above		9. WELL NO. 30
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 4 miles East of Loco Hills, N.M. on U.S. Hwy 82 & 6 mi No		10. FIELD AND POOL, OR WILDCAT Fren Seven Rivers
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	16. NO. OF ACRES IN LEASE 1885	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 6-17S-31E
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	19. PROPOSED DEPTH 2013'	12. COUNTY OR PARISH Eddy
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3760.4' GR	20. ROTARY OR CABLE TOOLS W. O. Rig	13. STATE N M
22. APPROX. DATE WORK WILL START* 7/06/81		

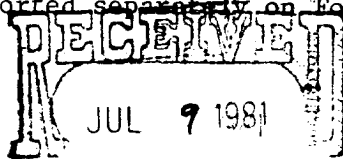
23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8-5/8" OD	24# K-55	506'	375 SX
7-7/8"	5 1/2" OD	14# H-40	3249'	760 SX
PBTD 2850'				

Recomplete in Fren Seven Rivers in the following manner:

1. Run GR-CCL-CBL & C.A.T. log 2700-700'.
 2. Perforate 7 Rivers w/2 JSPF @ 1959, 67, 80, 2013'.
 3. Acidize w/2500 gals 15% MCA, swab test. If test indicates production, propose to frac w/20,000 gals Terra Frac T30 fluid cross linked w/26,000# sd. Swab test for production.
- NOTE: Procedure to P&A Grayburg Jackson reported separately on Form 9-331.

Blowout Preventer Program Attached.

OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

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. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Jerry W. Schmidt TITLE Dist. Drlg. Supt. DATE 6/30/81

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

(Orig. Sgd.) PETER W. CHESTER

APPROVED BY

TITLE

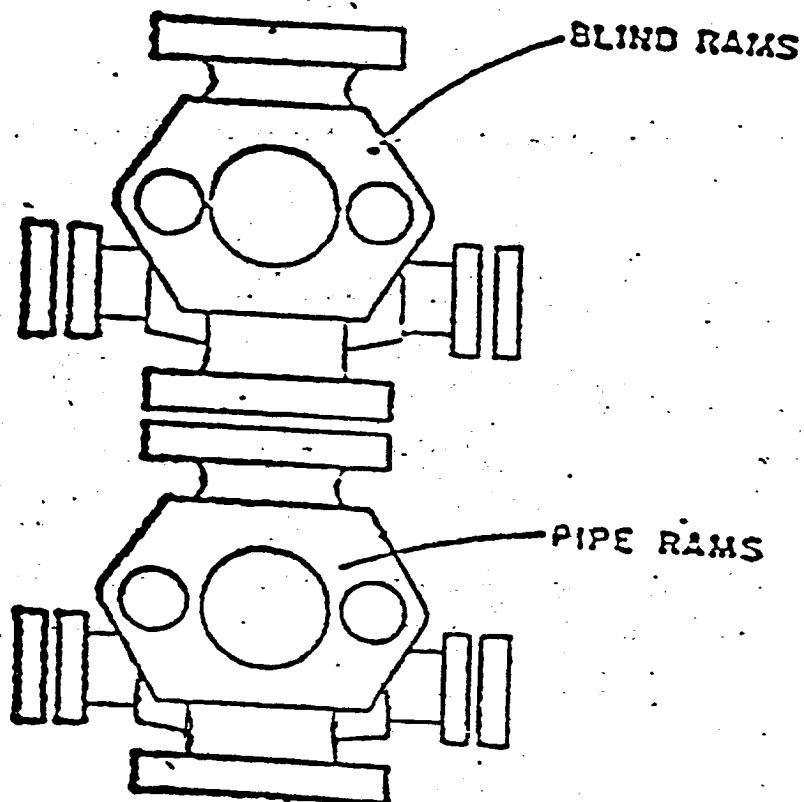
DATE

CONDITIONS OF APPROVAL, IF ANY

FOR

JAMES A. GILLHAM
DISTRICT SUPERVISOR

*See Instructions On Reverse Side



ARCO Oil & Gas Company

Division of Atlantic Richfield Company

Blow Out Preventer Program

Lease Name J. L. Keel "B"

Well No. 30

Location 430' FSL & 2250' FEL Unit Letter "C"
Sec 6-17S-31E, Eddy Co., 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.