

5. LEASE DESIGNATION AND SERIAL NO.
LC-029435-a

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Keel West Waterflood

8. FARM OR LEASE NAME
J.L. Keel "A" Project

9. WELL NO.
13

10. FIELD AND POOL, OR WILDCAT
Grayburg Jackson

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
7-17S-31E

12. COUNTY OR PARISH
Eddy

13. STATE
New Mexico

1a. TYPE OF WORK
DRILL ☐ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐

2. NAME OF OPERATOR
ARCO Oil & Gas Company
Division of Atlantic Richfield Co. ✓

3. ADDRESS OF OPERATOR
P.O. Box 1710, Hobbs, New Mexico 88240

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface
660' FNL & 1980' FEL (Unit Letter "B")
At proposed prod. zone
As above

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
DEC 3 1980

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
U.S. GEOLOGICAL SURVEY
ARRESTA, NEW MEXICO

17. NO. OF ACRES ASSIGNED TO THIS WELL
40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH
PB 2025'

20. AUXILIARY OR CABLE TOOLS
W.O. Rig

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3765' GR

22. APPROX. DATE WORK WILL START*

23. ~~PROPOSED CASING AND CEMENTING PROGRAM~~ Casing In Hole

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
	8-5/8" od	24# J-55	560'	100 sx
	5-1/2" od	14# J-55	2852'	200 sx

Propose to perforate from Seven Rivers acidize & test the producing capabilities to recover remaining reserves in the following manner. Blowout Preventer Program attached:

1. Perforate 5-1/2" csg 10-15' above TOC as indicated by CBL.
2. RIH w/cmt retr and circ cmt behind 5-1/2" OD csg to surf w/volume to be determined by dye marker. Drill out cmt retr to PBD.
3. Perforate Seven Rivers interval as determined by logs.
4. Acidize Seven Rivers perms w/5000 gals of 15% HCL acid.
5. RIH w/pkr on 2-3/8" od tbg, set pkr @ approx. 2100' and swab test. Put on production.

NOTE: P&A procedures for Grayburg Jackson zone only reported separately on Form 9-331.

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 James W. Schmidt TITLE Dist. Drlg. Supt. DATE 11-25-80
(This space for Federal or State office use)

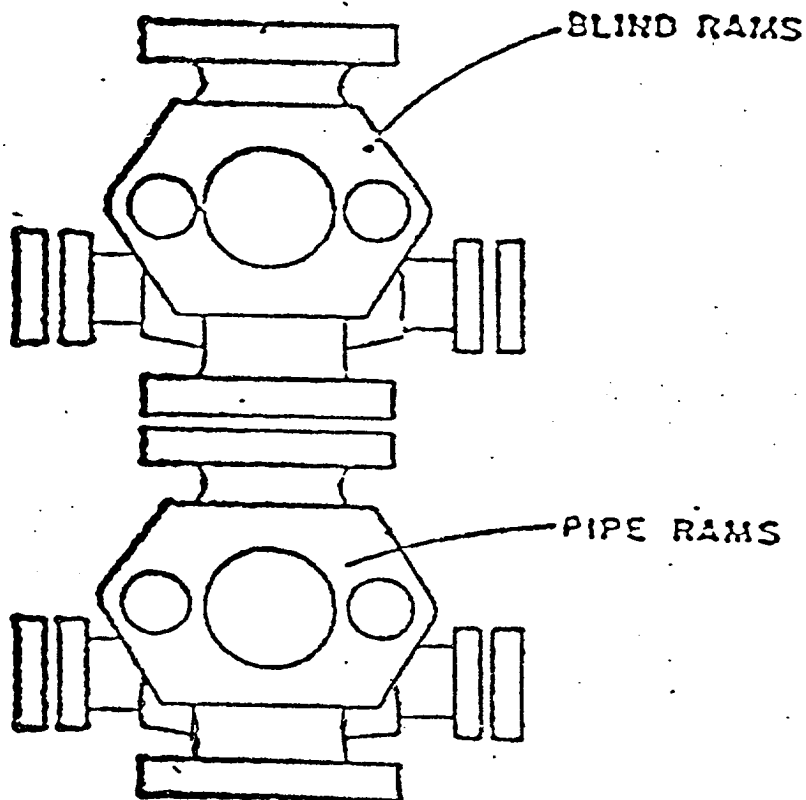
PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY:

APPROVED
DATE

DEC 4 1980

*See Instructions On Reverse Side

for DISTRICT SUPERVISOR



ATLANTIC RICHFIELD COMPANY
Blow Out Preventer Program

Lease Name J.L.Keel "A"

Well No. 13

Location 660' FNL & 1980' FEL
Sec.7,T17S,R31E,Eddy County,NM

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.