

NM OIL CONS. COMMISSION
Drawn by Antonia M. 88210
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPPLICATE*
(Other instru on
reverse sForm approved.
Budget Bureau No. 42-R1425.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input type="checkbox"/> DEEPEN <input checked="" type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. LC-029426(a)
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 RECEIVED
2. NAME OF OPERATOR ARCO Oil and Gas Company Division of Atlantic Richfield Co. /			7. UNIT AGREEMENT NAME AUG 1 1981
3. ADDRESS OF OPERATOR P. O. Box 1710, Hobbs, New Mexico 88240			8. FARM OR LEASE NAME H. E. West "A"
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1980' FNL & 1980' FEL (Unit Ltr "G") 1981 At proposed prod. zone As above			9. WELL NO. 11
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 5 miles East of Loco Hills & 2-3/4 miles North			10. FIELD AND POOL, OR WILDCAT Grayburg Jackson (QCSA)
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 639.56	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 3650'	20. ROTARY OR CABLE TOOLS Completion Unit	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3972' GR			22. APPROX. DATE WORK WILL START* 8/24/81

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2"	8-5/8" OD	24# J-55	817'	100 sx
8"	5 1/2" OD	14# J-55	3500'	100 sx

TD 3500', PBD 3488' - above csg presently in well. No enlargement of existing well site is required to deepen. Propose to rig up, install BOP & POH w/comp assy. Swab test present Grayburg perms 3445-52'. Set cmt retr @ 3400' & squeeze cmt perms 3445-52' w/150 sx Cl C cmt cont'g 2% CaCl₂, dump 10' cmt on top. Run CBL. Perf 5 1/2" csg @ TOC. Set cmt retr above perms & circ cmt to surf. Drill out cmt retrs & pressure test squeeze jobs. Drill new 4-3/4" hole 3500-3650'. Run CNL, FDC, DLL 3650-2000'. Under ream 4-3/4" hole to 7" 3500-3650'. RIH w/300' of 4" FJ csg liner. Hang liner @ approx 3350'. Cmt liner w/100 sx Cl C cmt cont'g 2% CaCl₂. WOC. Drill out cmt to 3650'. Pressure test liner to 1000# for 30 mins. Perf Premier zone from logs, acidize w/2000 gals 15% acid. Swab test, return to 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. 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.

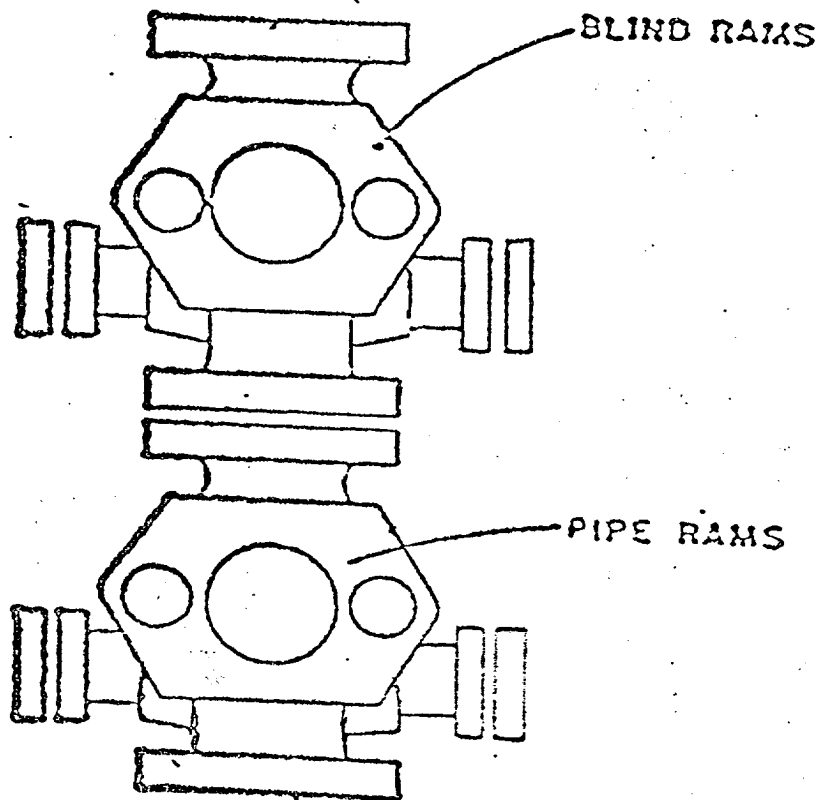
24.

SIGNED James A. Gillham TITLE Dist. Drlg. Supt. DATE 8/12/81

(This space for Federal or State office use)

PERMIT NO. APPROVED APPROVAL DATE AUG 14 1981APPROVED BY GEORGE H. STEWART TITLE FOR DATE JAMES A. GILLHAMCONDITIONS OF APPROVAL 1981FOR
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 H. E. West "A"

Well No. 11

Location 1980' FNL & 1980' FEL (Unit Ltr "G")
Sec 3-17S-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.