

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. NM 10280	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Adams Exploration Company			7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 410 West Ohio, Suite 202, Midland, Texas 79701			8. FARM OR LEASE NAME Dyan Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1980' FNL & 1980' FWL of Sec. 5 At proposed prod. zone 1980' FNL & 1980' FWL of Sec. 5			9. WELL NO. 2	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 18 miles Southeast of Kenna, New Mexico			10. FIELD AND POOL, OR WILDCAT Tomahawk	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 660			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 5, T-8-S, R-32-E	
16. NO. OF ACRES IN LEASE 320			12. COUNTY OR PARISH Chaves	
17. NO. OF ACRES ASSIGNED TO THIS WELL 40			13. STATE New Mexico	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. None			20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4506 Gr			22. APPROX. DATE WORK WILL START*	

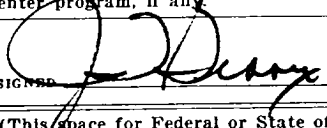
23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8-5/8"	24#	1800	1250 sx
7-7/8"	4-1/2"	10.5#	4300	250 sx

Drill a 12 1/4" hole to 1800'. Set & cement 8-5/8" OD 24# K-55 new casing @ 1800' & cement w/1250 sx cement. WOC 18 hrs. N.U. & test BOP. Test casing to 1000 psi. Drill out w/7-7/8" bit w/wtr. Mud up at 3900' to 9.5# 35 sec viscosity mud to drill the San Andres formation. Run DST if samples yield shows. At T.D. run Log Suite. If production is indicated, run 4 1/2" 10.5#/ft K-55 new casing to T.D. and cement w/250 sx cement.

See attachments for additional operational and environmental details.

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 prevention program, if any.

24.  J.T. Berry TITLE Operations Manager DATE November 20, 1979
(This space for Federal or State office use)

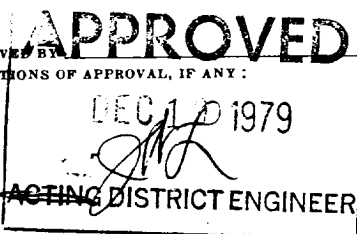
PERMIT NO.

APPROVAL DATE

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE



*See Instructions On Reverse Side