

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 checked="" type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. 078058	
B. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" 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 HIXON DEVELOPMENT COMPANY			7. UNIT AGREEMENT NAME Central Bisti Unit	
3. ADDRESS OF OPERATOR Earth Sciences Company 510 Bank of the Southwest Bldg., Amarillo, Texas 79109			8. FARM OR LEASE NAME Federal "B"	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 660' FNL; 660' FKL Sec. 17 At proposed prod. zone Same			9. WELL NO. 680-442 N.M. Federal "B"-1	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 23 miles south of Farmington, New Mexico			10. FIELD AND POOL, OR WILDCAT Wildcat	
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) 660'			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 17, T25N, R12W	
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2310'			12. COUNTY OR PARISH San Juan	
16. NO. OF ACRES IN LEASE 280			13. STATE New Mexico	
19. PROPOSED DEPTH 6200'			17. NO. OF ACRES ASSIGNED TO THIS WELL 160	
20. ROTARY OR CABLE TOOLS Rotary			22. APPROX. DATE WORK WILL START September 28, 1974	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6240 DF 6228 GR				

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
6 1/8"	4 1/2"	10.5#	6200	175 sx (Approx.)

Present productive zone is the Lower Gallup Sand from 4790'-4860'. It is proposed that the well be deepened to the Dakota Sand which should be encountered between 5800 and 6200 feet. Upon completion 4 1/2 inch casing will be set below the Dakota Sand. Cement will be circulated to 4700 feet or shallower to cover the Gallup zone perforations.

RECEIVED

JUN 22 1988

OIL CON. DIV.  
DIST. 3

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 Evan V. Raynes TITLE Petroleum Engineer DATE 9/18/74  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

SEP 20 1974

E. I. McGRATH

DISTRICT ENGINEER

\*See Instructions On Reverse Side