

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

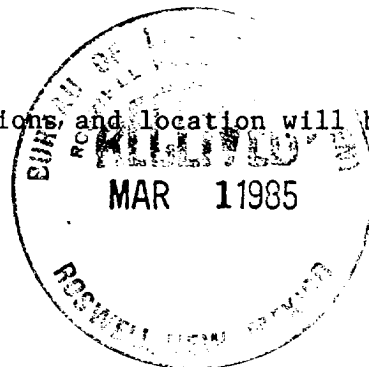
1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. 0109856 NM 0109856-A
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Forister & Sweatt		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P. O. Box 161, Artesia, NM 88211-0161		8. FARM OR LEASE NAME Bison-Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 330' FSL, 1650' FWL At proposed prod. zone same		9. WELL NO. 1
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 18 miles North of Loco Hills		10. FIELD AND POOL, OR WILDCAT SE Chaves Co. Area West Ranch-On Assoc
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 330'	16. NO. OF ACRES IN LEASE 600	11. SEC., T., R., M., OR BEG. AND SURVEY OR AREA 9-14 S-30-E
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 4600'	19. PROPOSED DEPTH 2150'	12. COUNTY OR PARISH 13. STATE Chaves NM
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3838		17. NO. OF ACRES ASSIGNED TO THIS WELL 40
23. PROPOSED CASING AND CEMENTING PROGRAM		20. ROTARY OR CABLE TOOLS C.T.
22. APPROX. DATE WORK WILL START* March 15, 1985		

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8 5/8	23	480	275 sx "C" + 2% C.C.
7 1/2"	4 1/2	10.5	2150	150 sx lite, 125 sx "C" 50% POZ

Will cement 8 5/8" surface casing, circulate cement, WOC 18 hours, test at 600#/30".
Will cable tool to TD to test Queen. If productive, will run 4 1/2" casing. Will perforate with 2 SPF, acidize w/1000 gallons, and fracture with 20,000 gallons 2% K Cl water, 20,000# 20-40 sand, 5000# 10-20 sand.

A control head will be used while drilling.

If well is dry, it will be plugged as per Federal Regulations and location will be cleaned.



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 L. Smith TITLE Partner DATE 2-26-85
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY S/PAK Kirk TITLE Area Manager DATE 3-28-85
CONDITIONS OF APPROVAL, IF ANY: