

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 type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM-0631
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 National Coop. Refinery Assoc.		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR 415 W. Wall, Suite 2215, Midland, Texas 79701		8. FARM OR LEASE NAME Federal 11-20-34
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface SE/4, NW/4 Section 11, T-20-S, R-34-E At proposed prod. zone 1980' FNL & 2130' FWL of Section		9. WELL NO. 1
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 15 miles South of Buckeye, New Mexico		10. FIELD AND POOL, OR WILDCAT Lea Bone Spring
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1980'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 11, T-20-S, R-34-E
16. NO. OF ACRES IN LEASE 320		12. COUNTY OR PARISH Lea
17. NO. OF ACRES ASSIGNED TO THIS WELL 80		13. STATE New Mexico
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 12,700'		19. PROPOSED DEPTH 12,700'
20. ROTARY OR CABLE TOOLS		21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3654' GL 3666' DF
22. APPROX. DATE WORK WILL START* ASAP Upon Approval		

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
24"	16"	65#	723'	1200 SX
13 3/4"	10 3/4"	51#	5293'	3420 SX
9 3/8"	7"	29# & 32#	14360'	1700 SX

National Coop. Refinery Assoc. plans to plug back the Federal 11-20-34 Well #1 presently completed in the Lea Penn Field to the Lea Bone Spring Field.

A plug will be set w/50 sx Class H Cement. Top of the cement plug will be @ 12,700'. Perforations will be @ 10,253-10,258'; 10,258-10,166'; 9572-9577'; 9560-9568'; 9523-9538' and 9476-9496' w/4 JSPF.

See attached Workover Procedure for detailed explanation of work planned.

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 <u>Carrie A. Baze</u>		TITLE <u>Production Clerk</u>		DATE <u>12-11-89</u>
(This space for Federal or State office use)				
PERMIT NO. _____		APPROVAL DATE _____		
APPROVED BY _____		TITLE _____		DATE <u>12-14-89</u>
CONDITIONS OF APPROVAL, IF ANY:				

RECEIVED

DEC 18 1989

OCD
HOBBS OFFICE