

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. SF-078896
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 DEPCO, Inc.		7. UNIT AGREEMENT NAME --
3. ADDRESS OF OPERATOR 1000 Petroleum Building--Denver, CO 80202		8. FARM OR LEASE NAME Federal 30
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1120' FNL, 790' FEL, NE/4 NE/4, Sec. 30 At proposed prod. zone Same		9. WELL NO. 41
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 12 miles south of Bloomfield, NM		10. FIELD AND POOL, OR WILDCAT West Kutz P.C.
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1120'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 30-T27N-R11W
16. NO. OF ACRES IN LEASE 1920'		12. COUNTY OR PARISH San Juan
17. NO. OF ACRES ASSIGNED TO THIS WELL 160		13. STATE NM
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 300'		19. PROPOSED DEPTH 1850'
20. ROTARY OR CABLE TOOLS Rotary		21. APPROX. DATE WORK WILL START* 12-1-80 +
22. ELEVATIONS (Show whether DF, RT, GR, etc.) 6173' GR 6185' KB (Est)		

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#, K55	120'	100 sx (Circulard)
7-7/8"	4-1/2"	10.5# J55	1850' *	375 sx

DRILLING
SUBJECT TO
"GENERAL REGS."This action is subject to administrative
approval pursuant to 30 CFR 280.DEC 2 1980
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

1. Drill 12 1/4" surface hole and set surface casing as above.
2. Drill 7-7/8" hole to 1850'.
3. Run DIL, CNL-FDC w/GR-Caliper Logs.
4. Set 4 1/2" casing string if warranted, or P&A in compliance with regulations.
5. The location will be reshaped to original topography. Stockpiled topsoil will be respread and the area reseeded.

Exhibits attached to this APD

"A" - Well Location Plat; "B" - Ten Point Compliance Program; "C" - Blowout Preventer Diagram; "D" - Multipoint Surface Use Requirements; "E" - Road Access Map to area; "F" - Topographic Map of area, Road Access, and wells within one mile radius; "G" - Drilling Location Plan, Contours, Cuts and Fills; "H" - Drilling Rig and Production Facilities Plan; "I" - Treatment Program Plan; "J" - Archeology Report.

** No to Special Stipulation 15-C*

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

Wm. P. Schwemmer

TITLE Prod. Supt. - So. Rky Mtns DATE 12/15/80

(This space for Federal or State office use)

APPROVED
AS AMENDED

PERMIT NO.

APPROVAL DATE

APPROVED BY

JAN 12 1981

CONDITIONS OF APPROVAL

DISTRICT ENGINEER

TITLE

*See Instructions On Reverse Side

OPERATION