

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK RE-Entry ☒ DRILL ☐ DEEPEN ☐ PLUG BACK ☐		5. LEASE DESIGNATION AND SERIAL NO. NM-26884-A	
b. TYPE OF WELL OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR CONOCO INC.		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 460, Hobbs, N.M. 88240		8. FARM OR LEASE NAME Superior Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface Unit A At proposed prod. zone 660' FNL & 660' FEL		9. WELL NO. 1	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*		10. FIELD AND POOL, OR WILDCAT J. Carlin Delaware	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 8 -185-33E	
16. NO. OF ACRES IN LEASE 280		12. COUNTY OR PARISH Lea	
17. NO. OF ACRES ASSIGNED TO THIS WELL 40		13. STATE NM	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.)		22. APPROX. DATE WORK WILL START* October 1, 1987	
23. PROPOSED CASING AND CEMENTING PROGRAM			

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
	13 3/8" - original	54.5#	433'	400 SXS Class "C" - circ. to surface - orig.
	8 5/8" - original	24# & 32#	4330'	1400 SXS Henco Lite, 200 SXS class "C" next - circ.
	5 1/2" - new	15.5# & 17#	6750'	110 SXS "H" for 500' tack

We propose to MIRU. Drill out cement plugs: (a) 50' surface plug (b) 100' plug 280'-380', (c) 100' plug ~1400'-1500', (d) 219' plug ~3231'-3450', (e) test squeezed Yates perms to 500' (f) CIBP w/25' cmt cap (g) 100' open-hole plug ~5050'-5150' (h) 100' open-hole plug ~6450'-6550'. Spot 150' open-hole cmt plug (6750'-6900') Wait on cmt. Go in hole & dress top of plug. Run 6750' of 5 1/2" K-55 15.5# & 17# LT & C csg. Cmt w/110 SXS Class "H" (in order to cmt bottom 500' of csg only). Run scraper, desire PBTD of 6700'. POOH. Perf Delaware 6584'-6604' w/1 JSPF for total 14 shots. Go in hole w/ tbg & pkr. Set pkr @ 6530'. Pressure backside to 500#. Acidize w/1000 gals 15% NE-FE-HCL w/ ball sealers. Pump rate 3 BPM & 200 psi. Release pkr & knock off balls. Reset pkr & frac w/35000 gals 30# crosslink containing 8500# 100 mesh, 52,100# 20/40, 28000# 12/20 treatment rate 7BPM & 2700 psi. Flow well down & swab. Flow to clean up.

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 David Finney TITLE Administrative Supervisor DATE 9-18-87

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE 9-30-87

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

BHM-Carlshad(6)File