

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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. LC-030133-(b)
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 checked="" type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR ARCO Oil & Gas Company			7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR Box 1610, Midland, TX 79702			8. FARM OR LEASE NAME Langley Deep
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 990 FNL & 2310 FWL (Unit Letter) C At proposed prod. zone			9. WELL NO. 1
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*			10. FIELD AND POOL, OR WILDCAT Langley Strawn
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 990			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 28-22S-36E
16. NO. OF ACRES IN LEASE 320			12. COUNTY OR PARISH 13. STATE Lea NM
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 15,671			17. NO. OF ACRES ASSIGNED TO THIS WELL 40
20. ROTARY OR CABLE TOOLS			22. APPROX. DATE WORK WILL START* 5-2-88
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3515.6 GR			

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
	13-3/8	54.5	1425	1140
	9-5/8	36/40	6200	2720
	7	23/26/29/32	15670	2200

This well is currently a dual Ellenburger/Devonian gas well.  
Propose to abandon the Ellenburger, recomplete to the Strawn and dual with the Devonian.

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 Ken W. Gosnell TITLE Engr. Tech. 915 688-5672 DATE 4-20-88

(This space for Federal or State office use)

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

APPROVED BY ORIG. CHIEF TITLE \_\_\_\_\_ DATE 5-9-88

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

RECEIVED  
MAY 12 1988  
GOD  
HOBBS OFFICE