

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. NM 7765	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" 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 L. C. Energy, Inc.		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 5064, Wichita Falls, Texas 76307		8. FARM OR LEASE NAME Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 790' FNL, 790' FWL At proposed prod. zone Same		9. WELL NO. 2	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* N/A		10. FIELD AND POOL, OR WILDCAT Wildcat m	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 790'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 6-T20N, R2W N.M.P.M.	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		12. COUNTY OR PARISH Sandoval	
16. NO. OF ACRES IN LEASE		13. STATE N.M.	
19. PROPOSED DEPTH 3000'		17. NO. OF ACRES ASSIGNED TO THIS WELL 160 137.79	
20. ROTARY OR CABLE TOOLS Rotary		22. APPROX. DATE WORK WILL START* 11-15-77	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 7062' GR.			

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	24.00	500	400 Sxs
6 3/4	4 1/2	10.50	3100	To be determined

It is proposed to drill this well with rotary tools using mud for surface hole and air as circulating medium for 6 3/4" hole. Production casing will be cemented in such a manner to protect producing intervals.

ESTIMATED FORMATION TOPS:

Cliff House - 1150'
Point Lookout - 2900'
Mancos - 3100'

The NW/4 Section 6 is dedicated to this well. Natural gas produced from this well is not committed.

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. For: L. C. Energy, Inc. President - Walsh Engineering
Ewell N. Walsh, P. E. & Production Corp. DATE 10-7-77
(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

APPROVED BY TITLE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

OCT 17 1977

GEOLOGICAL SURVEY