

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Copy to J

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> <del>RE-ENTER</del> PLUG BACK <input checked="" type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. NM 2938
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> P & A <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Atlantic Richfield Company ✓			7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P. O. Box 1978, Roswell, New Mexico			8. FARM OR LEASE NAME Panco Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1980' FWL, 660' FNL 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 Shugart (Green)
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any) 660'			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 23, T-18S, R-31E
16. NO. OF ACRES IN LEASE 1.0			12. COUNTY OR PARISH Sedgely
17. NO. OF ACRES ASSIGNED TO THIS WELL 40			13. STATE N.M.
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 3693' Gr.			14. ROTARY OR CABLE TOOLS
21. ELEVATIONS (Show whether DF, RT, GR, etc.)			22. APPROX. DATE WORK WILL START* 9/1/57

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
	7"	20	3525	Circulate to surface
7-7/8	4-1/2	9.5	3520	3650' of fillup

We propose to re-enter this well and clean out cement plug to approximately 3650'. Set a 100 ft. cement plug from 3525-3525. Run and cement a string of 7" casing casing to 100'. Run and cement 4-1/2" csg to 3520. Perforate the lower formation from 3444 to 3456' and frac same w/15,000 gallons of water & 15,000# of sand. 2" tubing and packer will be used to inject water for the Swearingen waterflood.

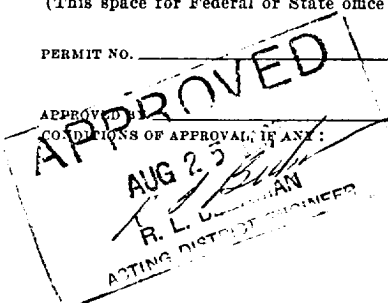
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. Original Signed  
SIGNED O. D. Bratches TITLE Gen. Mgr. Supervisor DATE AUG 25 1957

(This space for Federal or State office use)

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

TITLE \_\_\_\_\_ DATE \_\_\_\_\_



\*See Instructions On Reverse Side