

copy to SF  
Form approved.  
Budget Bureau No. 42-R1425.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

1a. TYPE OF WORK  
**DRILL** ☐

b. TYPE OF WELL  
 OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR  
**Petroleum Corporation of Texas**

3. ADDRESS OF OPERATOR  
**P. O. Box 911, Breckenridge, Texas 76024**

4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations)  
 At surface **Unit F, 2310' from North line and 2310' from West line, S21, T175, R30E**  
 At proposed prod. zone  
 (See attached)...Approximately 62' N. and 114' E of above location

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
**Well located in Loco Hills.**

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any)	16. NO. OF ACRES IN LEASE	17. NO. TO
<b>330' from E. lse. line &amp; 330' from S. lse. line</b>	<b>120 acres</b>	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	19. PROPOSED DEPTH	20. ROT
<b>840'</b>	<b>Plug back to 4100'</b>	<b>Dri</b>

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**G.L. 3648' K.B. 3659'**

5. LEASE DESIGNATION AND SERIAL NO.  
LC-054988(a)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Berry "A" Federal

9. WELL NO.  
4

10. FIELD AND POOL, OR WILDCAT  
Grayburg Jackson

11. SEC. T. S., M. OR BLK.  
AND SURVEY OR AREA  
Unit F, S21, T17S,  
R30E, NMPM

12. COUNTY OR PARISH  
Eddy

13. STATE  
New Mexico

PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11" 0-1442'	8 5/8"	28#	1442'	500 sx.
7 7/8" 1442-6859'	4 1/2"	11.6# (969')	6859'	658 sx.
	4 1/2"	9.5# (5890')		

Present TD....6859'      Perfs. open at present: 6652' - 6858' *etc*

### Steps to Recomplete:

- (1) Set CIBP @ 6625' and dump 35 sx. cement on top.
- (2) Cut casing @ approximately 5500'. Pull cut casing out to approx. 4200'.
- (3) Cement casing from 4200' to 2000'. (Leave 100' of cement in pipe.)
- (4) Test casing and perforate all zones.

		20/40 Sand
(3)	Cement casing from 4200' to 2000'. (Leave 100' of cement in pipe.)	
(4)	Test casing and perforate all zones.	
Stage 1.	San Andres (3342'-3475') (13-0.4" holes) (62,000 gal. gelled H <sub>2</sub> O;	58,000 lb.
Stage 2.	Lovington (2970'-3032') (11-0.4" holes) (42,000 gal. gelled H <sub>2</sub> O;	38,000 lb.
Stage 3.	Premier (2860'-2884') (10-0.4" holes) (24,000 gal. gelled H <sub>2</sub> O;	22,000 lb.
Stage 4.	Lower Grayburg (2744'-2756') (10-0.4" holes) (24,000 gal. " " " ";	22,000 lb.
Stage 5.	Lower Grayburg (2615'-2649') (10-0.4" holes) (24,000 gal. " " " ";	22,000 lb.

- (5) After all zones are perforated, "frac." in 5 stages.
- (6) Return to production.

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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 James H. Haffield TITLE Engineer DATE February 24, 1977  
(This space for Federal or State office use)

(This space for Federal)

APPROVED

TRANSIT NO. \_\_\_\_\_

APPROVED BY  
CONDITIONS OF APPROVAL,  
H. L. MEKININ  
ACTING DISTRICT ENGINEER

late once use/

APPROVAL DATE

IF THIS APPROVAL IS RESCINDED IF OPERATIONS  
ARE NOT COMMENCED WITHIN 3 MONTHS  
EXPIRES

TITLE

**\*See Instructions On Reverse Side**