

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.

NM-38458

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal 8

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Burton Flat Morrow

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA

Sec 8, T 21S, R 27E

12. COUNTY OR PARISH

Eddy

13. STATE

NM

1a. TYPE OF WORK

DRILL ☐

DEEPEN ☐

PLUG BACK ☒

b. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☒

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

H. L. Brown, Jr. ✓

3. ADDRESS OF OPERATOR

P. O. Box 2237, Midland, Texas 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface

1980' FNL & 660' FWL of Section 8, T 21S, R 27E

At proposed prod. zone

Cherry Canyon Sand

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

4 miles North of Carlsbad, New Mexico

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

660'

16. NO. OF ACRES IN LEASE

160

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

320

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

3700'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3220.6' GR

22. APPROX. DATE WORK WILL START\*

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT

Present TD is 11,675' with 5 1/2" casing set to depth. Top of cement is 9850'. The attached well bore schematic shows existing downhole equipment and perforations. It is proposed to set a blanking plug in the packer at 10,842', place 25 sacks class "H" neat cement on top of the packer. The Strawn perfs will be isolated with a CIBP set at 10,050', and place 35' of cement on top. The 5 1/2" casing will be perforated at 8,800' and 4,827', cement will be squeezed to provide 150' of fill in the open hole annulus and casing for each interval. The 5 1/2" casing will be perforated in the Cherry Canyon with 2 spf at 3532'-3554' and tested. This will be a Delaware Section Completion.

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

*Ron D. Davis*

TITLE

Production Engineer

DATE

11-23-88

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

1-6-89

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

11-23-88

H.L. Brown, Jr.

FEDERAL "8" No. 1

Eddy Co., New Mexico

EXISTING CONDITION

NM 38458

Proposed CONDITION

3-0235 — 50 SHEETS — 5 SQUARES  
 3-0236 — 100 SHEETS — 5 SQUARES  
 3-0237 — 200 SHEETS — 5 SQUARES

COMET

12 3/4" 34# Csg Set AT 600'  
 Cmt'd w/ Total of 1115 SX Circ. to Surf.

8 5/8" 24# + 32# Csg SET AT 2800'  
 Cmt'd w/ Total of 1495 SX. Circ. to Surf.

- ① Spot 25 sacks class "H" Cement on top of Baker Model DB Packer AT 10842 to close off Morrow perfs
- ② Set CIBP AT 10950' and dump 35' Cement on top to close off Strawn perfs
- ③ Perforate 5 1/2" casing AT 8000', Set Cement Retainer AT 8650', place 150' cement inside and outside to isolate Wolfcamp
- ④ Perforate 5 1/2" casing AT 4827', Set Cement Retainer AT 4677', place 150' Cement inside and outside to isolate Bone Springs
- ⑤ Perforate 5 1/2" casing AT 3950', Set Cement Retainer AT 3900' and squeeze cement behind pipe to isolate Cherry Canyon. Est. cement top is to be 2800' in annulus.
- ⑥ Perforate 5 1/2" casing AT 3532'-3554' AND ACIDIZE IF NECESSARY. Test.

Perfs: 10150-574 42 holes Selectively Perforated  
 Sliding Sleeve in tubing AT 10770'  
 Bowen Packoff-Overshot on tubing AT 10,835'  
 Baker Model "DB" Packer AT 10,842' w/ 1.87" Profile Nipple  
 PERFS: 10,912'-11,348' (Upper Morrow)

Baker Model "DB" AT 11,360' w/ 1.81" Blanking Plug in Profile Nipple  
 PERFS: 11,422'-68' Plugged by Profile Nipple below Packer (Lo. Morrow)  
 5 1/2" 17# Csg Set AT 11,675'

Cmt'd w/ 575 SX Cmt. TOC 9450' by Temp. Survey

TD: 11,675'

PRTH: 11,679' (Acidized)