

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

5. LEASE DESIGNATION AND SERIAL NO.

67-064118

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

E.C. Hill Federal

9. WELL NO.

56

10. FIELD AND POOL, OR WILDCAT

Teague Fusselman

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

Sec 35, T-23-S, R-37-E

12. COUNTY OR PARISH

Lea

13. STATE

NM

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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

Arch Petroleum Inc.

3. ADDRESS OF OPERATOR

10 Desta Dr., Suite 420 E, Midland, Texas 79705

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surfaceUnit E, 1980 FNL & 510 FWL, Section 35, T-23-S, R-37-E
At proposed prod. zone

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

10 miles North of Jal

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

480

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

990

19. PROPOSED DEPTH

7850

20. ROTARY OR CABLE TOOLS

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

3254 GR 3267 KB

22. APPROX. DATE WORK WILL START*

7-12-89

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	13 3/8	48	316	300 sx circulated
10 3/4	9 5/8	32, 36 & 40	2908	1500 sx circulated
8 1/4	7	23, 26 & 29	9729	650 sx

PBDT at 7987' with CIBP at 8022 + 35' cement
Perforations: Silurian Zone 7886-7920 (35 holes)

Proposal:

Plug back Silurian with CIBP at 7850 + 35' cement and re-complete Devonian by
perforating interval 7265-95 with 2 JSPF. Will begin immediately having obtained
verbal approval from Shannon Shaw on 7-12-89.

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

TITLE Operations Manager

DATE July 12, 1989

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

FOR: CHIEF, MINERAL PROSPECTS
TITLE

DATE 8-2-89

CONDITIONS OF APPROVAL, IF ANY: