

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 East, Midland, Texas 79505

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

At surface

1981 FNL & 810 FEL, Section 34, T23S, R37E

At proposed prod. zone

Same

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

12 miles N of Jal

10. DISTANCE FROM PROPOSED*

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

1000'

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.

250'

19. PROPOSED DEPTH

5280

20. ROTARY OR CABLE TOOLS

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

3273 DF

22. APPROX. DATE WORK WILL START*

12-01-90

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	54.40	324	300 sx circulated
12 1/4	9 5/8	32-36	2914	1450 sx TOC at 100'
8 1/2	7	23-29	7174	500 sx TOC at 4475'

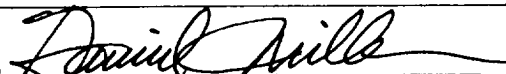
PROPOSED PROGRAM:

1. Set 7" CIBP at $\pm 5280'$. Dump 35' cement on top of CIBP. Plug back Blinbry Perfs at 5290-5780' (48 holes).
2. Log GR/CNL/CCL from TD to $\pm 4000'$.
3. Perforate Paddock interval 4900-5200'.
4. Frac with 50,000 gals XL gel water + 100,000# sand.
5. Install submersible pump at 4800' and put on production.

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

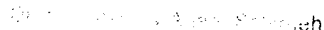
DATE 11-13-90

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY



TITLE

DATE 11-27-90

CONDITIONS OF APPROVAL, IF ANY: