

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

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
SONE ☒

MULTIPLE
SONE ☐

2. NAME OF OPERATOR

SHELL WESTERN E&P INC.

3. ADDRESS OF OPERATOR

P. O. BOX 991, HOUSTON, TEXAS 77001

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

At surface

1980' FSL AND 1730' FEL

At proposed prod. zone

SAME

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

11 MILES SOUTH OF MALJAMAR

15. DISTANCE FROM PROPOSED

1730'

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

1730'

16. DISTANCE FROM PROPOSED LOCATION*

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

250'

18. NO. OF ACRES IN LEASE

320

19. PROPOSED DEPTH

13,150'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

20. ROTARY OR CABLE TOOLS

ROTARY

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

3664.7' GR, 3680' KB

22. APPROX. DATE WORK WILL START*

UPON APPROVAL

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#	410'	400 SX CLASS C
11", 10-5/8"	8-5/8"	32#, 24#	4515'	1500 SX LITE, 200 SX CLASS C
7-7/8"	5-1/2"	15, 5, 17, 20#	13,150'	225 SX LITE, 800 SX CLASS H

NOTE: WOLFCAMP RECOMPLETION ATTEMPT UNSUCCESSFUL (SEE ATTACHED FORM 3160-5).

PROPOSAL

1. Plug back Wolfcamp perforations by setting a CIBP @ $\pm$ 10,450' and capping w/5 sx cement.
2. Block squeeze above and below Bone Springs as follows:
 - a. Perforate 10,230' - 10,240'.
 - b. Spot 50 gals 15% HCl-NEA from 10,240' - 10,190'.
 - c. Set cmt retainer @ $\pm$ 10,170'.
 - d. Squeeze 10,230' - 10,240' w/50 sx Class H cmt w/.5% Halad-9.
 - e. Perforate 9040' - 9050'.
 - f. Spot 50 gals 15% HCl-NEA from 9050' - 9000'.

(CONTINUED ON REVERSE SIDE)

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 A. J. FORE

TITLE SUPV. REG. & PERMITTING

DATE AUGUST 31, 1984

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

AREA MANAGER
CARLSBAD RESERVING AREA

DATE

10-26-84

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

2. (Cont'd)
- g. Set cmt retainer @ 8980'.
 - h. Squeeze 9040' - 9050' w/50 sx Class H cmt w/.5% Halad-9.
 - i. Drill out to cmt retainer @ 10,170'.
- 3. Spot 90 gals 15% HCl-NEA from 10,070' - 9980'.
 - 4. Perforate Bone Springs 10,021' - 10,070'.
 - 5. Acidize Bone Springs w/6000 gals 15% HCl-NEA.
 - 6. Install production equipment and flow test well. If production rates are acceptable, kill well w/2% KCl.
 - 7. Spot 50 gals 15% HCl-NEA from 9160' - 9110'.
 - 8. Perforate Bone Springs 9142' - 9156'.
 - 9. Set retrievable bridge plug @ 9400'± and test to 6000 psi.
 - 10. Acidize Bone Springs w/3000 gals 15% HCl-NEA.
 - 11. Install production equipment and flow test well. If production rates are acceptable, pull retrievable bridge plug and return well to production.

RECEIVED

OCT 20 1954

O.C.E.
HOBBS LYNCH