

DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK  
DRILL ☒ DEEPEN ☐

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

2. NAME OF OPERATOR  
Kaiser-Francis Oil Company

3. ADDRESS AND TELEPHONE NO.  
P.O. Box 21468, Tulsa, OK 74121-1468

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface 2100' FSL & 1600' FEL  
At proposed prod. zone 1988' FNL & 1834' FEL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
17 miles East from Loving

10. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) 1834' 514'

16. NO. OF ACRES IN LEASE 640

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. 1340'

19. PROPOSED DEPTH 8100' TVD

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3341'

22. APPROX. DATE WORK WILL START\*

PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2	13-3/8	48#	700	700 sacks Circulated
11	8-5/8	32#	4070	1000 sacks Circulated
7-7/8	5-1/2	17#	8100' TVD	1370 sacks tie back @ least 200' into 8-5/8"

Stage tool @ 6200'

1. MIRU Rotary.
2. Drill 17-1/2" hole to 700' run & set 13-3/8" surface csg & cmt w/700 sx.
3. Install 3000# BOP & test to 600#.
4. Drill 11" hole to 4070', run & set 8-5/8" intermediate csg & cmt w/1000 sx.
5. Test csg to 1000#.
6. Drill 7-7/8" hole to 8100' TVD & run electric logs.
7. If hydrocarbons are indicated, run & set 5-1/2" csg @ TD w/stage collar at 6200' and cmt 1st stage w/580 sx & 2nd stage w/790 sx.
8. RDMO rotary, install wellhead, run cement bond log, perforate and stimulate for production.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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.

SIGNED Milton C. Cuffman TITLE Operations Engineer DATE 11-2-93

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED

APPROVED BY Carol L. Sampson TITLE Acting State Director DATE 1-19-94

\*See Instructions On Reverse Side