

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

O. C. D.  
ARTESIA OFFICE

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  
 Oryx Energy Company

3. ADDRESS OF OPERATOR  
 P. O. Box 1861, Midland, TX 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface B, 1980' FEL & 810' FNL  
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 3 miles West & 1/2 mile North of Loco Hills

10. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1830

16. NO. OF ACRES IN LEASE 1720

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.  
 ID 10,950'  
 PBD 10,570'

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 3590.8' GR

22. APPROX. DATE WORK WILL START\*  
 Upon approval

5. LEASE DESIGNATION AND SERIAL NO.  
 LC-028731-B

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
 Delta Wing Federal

9. WELL NO.  
 1

10. FIELD AND POOL, OR WILDCAT  
 Undesignated-Wolfcamp

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 15, T-17-S, R-29-E

12. COUNTY OR PARISH  
 Eddy

13. STATE  
 New Mexico

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"	54.5#	446'	425 sxs "C" 30 sxs
11"	8 5/8"	32#	4500'	2300 sxs "C" TOC 45' T.S.
7 7/8"	5 1/2"	17#	10,950'	1150 sxs "H" TOC 6400' T.S.

Plug back from the Grayburg-Morrow to the Undesignated-Wolfcamp.

- MIRU PU. NU BOP. RUN & SET BLANKING PLUG IN 2.313" X NIPPLE @ 10617'. UNLATCH SEAL ASSBY. SPOT 35' CMT ON TOP OF PKR. CIRC HOLE CLN W/ 2% KCL WTR. POH W/ 2-7/8" TBG & SEAL ASSBY. WOC. RIH W/ 5-1/2" PKR & SN ON 2-7/8", 6.5#, N-80 TBG. TAG CMT PLUG. RAISE & SET PKR. PRES ANNULUS TO 2000 PSI. TEST CMT PLUG TO 6000 PSI. RLSE PKR & POH.
- RU ATLAS WL. RUN GR/CCL 9000'-8000'. NU LUBRICATOR. PERF WOLFCAMP 8390-8412', 22-28', 8522-28', 32-36' 8792-8802' BY GR/CNL/FDC LOG DATED 4-30-90 W/ 4" HSC, JUMBO JET II 23 GC, 2 JSPF, 96 HOLES, 120 DEGREE PHASING.

(Cont. to Pg. 2)

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 Jam Stevenson TITLE Proration Analyst DATE June 18, 1991

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
 APPROVED BY [Signature] TITLE PETROLEUM ENGINEER DATE 6/24/91  
 CONDITIONS OF APPROVAL, IF ANY: