

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Div-Dist. 2
1301 W. Grand Avenue
Artesia, NM 88210

FORM APPROVED
OMB NO. 1004-0136
Expires: February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN		
1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		
2. NAME OF OPERATOR <u>Occidental Permian Limited Partnership</u>		
3. ADDRESS AND TELEPHONE NO. <u>P.O. Box 50250, Midland, TX 79710-0250</u> <u>915-685-5717</u>		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface <u>660 FNL 990 FEL NENE(A)</u> At proposed prod. zone		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* <u>4 miles west of Carlsbad, NM</u>		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) <u>660'</u>	16. NO. OF ACRES IN LEASE <u>320</u>	17. NO. OF ACRES ASSIGNED TO THIS WELL <u>320</u>
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. <u>N/A</u>	19. PROPOSED DEPTH <u>12000'</u>	20. ROTARY OR CABLE TOOLS <u>R</u>
21. ELEVATIONS (Show whether DF,RT, GR, etc.) <u>3402'</u> <u>Cardinal Controlled Water Basin</u>		22. APPROX. DATE WORK WILL START* <u>4/1/02</u>

23. 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" H40	48#	650'	520sx - circulate	
12-1/4"	9-5/8" K55	36#	2900'	850sx - circulate	
8-3/4"	5-1/2" L80-P110	17#	12000'	945sx - EST TOC 7700'	

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

SEE OTHER SIDE

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.

24. SIGNED [Signature] TITLE Sr. Regulatory Analyst DATE 2/5/02

(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:

APPROVED BY /s/ LESLIE A. THEISS TITLE FIELD MANAGER DATE APR 04 2002

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

APPROVAL FOR 1 YEAR

OPL Bogie Federal #1
660 FNL 990 FEL NENE(A) SEC 19 T22S R26E
Federal Lease No. NM-34246

PROPOSED TD: 12000' TVD

BOP PROGRAM: 0-650' None
650-2900' 13-3/8" 3M annular preventer.
2900-12000' 11" 5M blind pipe rams with 5M annular preventer
and rotating head below 6900'.

CASING: Surface: 13-3/8" OD 48# H40 ST&C new casing set at 650'
17-1/2" hole

Intermediate: 9-5/8" OD 36# K55 ST&C new casing from 0-2900'
12-1/4" hole

Production: 5-1/2" OD 17# HCL80-P110 LT&C new casing from
0-12000' - 8-3/4" hole

CEMENT: Surface - Circulate cement with 320sx 35:65 POZ/C with 6% Bentonite
+ 2% CaCl_2 + .25#/sx Cello-Flake followed by 200sx Cl C w/ 2% CaCl_2 .

Intermediate - Circulate cement with 650sx 35:65 POZ/C with 6%
Bentonite + 2% CaCl_2 + .25 #/sx Cello-Flake followed by 200sx Cl C
with 2% CaCl_2 .

Production - Cement with 870sx 15:61:11 POZ/C/CSE with .5% FL-52
+ .5% FL-25 + 8#/sx Gilsonite followed by 75sx Cl C with .7%
FL-25.

Estimated top of cement is 7700'.

Note: Cement volumes may need to be adjusted to hole caliper.

MUD:

0-650' Fresh water/native mud. Lime for pH control
(9-10). Paper for seepage.
Wt 8.7-9.2 ppg, Vis 32-34 sec

650-2900' Fresh/*Brine water. Lime for pH control (10.0-
10.5). Paper for seepage.
Wt 8.3-9.0/10.0-10.1ppg, Vis 28-29 sec
*Fresh water will be used unless chlorides in
the mud system increases to 20000PPM.

2900-8000' Fresh water. Lime for pH control (9-9.5). Paper
for seepage.
Wt 8.4 ppg, Vis 28-29 sec

8000-9700' Cut brine. Lime for pH control (10-10.5).
Wt 9.6 - 10.0 ppg, Vis 28-29sec

9700-12000' Mud up with an Duo Vis/Flo Trol mud system.
Wt 10-10.2ppg, Vis 34-38sec, WL<8cc

BUREAU OF LAND MANAGEMENT
FORT WORTH OFFICE

2002 FEB -6 AM 9:31

RECEIVED