

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

OXY USA Inc.

3. ADDRESS OF OPERATOR

P.O. Box 50250 Midland, TX 79710

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

At surface

2560 FSL 120 FWL NW-SW

At proposed prod. zone

UNORTHONOX Location:

Subject to  
Like Approval  
By State

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

11 miles South from Eunice, NM

15. DISTANCE FROM PROPOSED\*

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

2937'

16. NO. OF ACRES IN LEASE

9326.56

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.

847'

19. PROPOSED DEPTH

3800'

20. ROTARY OR CABLE TOOLS

Rotary

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

3317'

22. APPROX. DATE WORK WILL START\*

ASAP

23. PROPOSED CASING AND CEMENTING PROGRAM

Capitan Controlled Water Basin

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	400'	260sx - Circulate to Surface
7 7/8"	5 1/2"	15.5#	3800'	810SX - Circulate to Surface

OPER. OGRID NO.

166596

PROPERTY NO.

14953

POOL CODE

37240

EFF. DATE

7-21-94

API NO.

30-025-32588

It is proposed to drill this well to a TD of 3800'.

Approval Subject to  
General Requirements and  
Conditions, Billings  
(B-200)

See other side

CARLSON  
AREA INLAND PARTERS

JUN 15 11 01 AM '94

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NSL-3425

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 Engineering Advisor

DATE

6/14/94

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

Richard L. Manus

TITLE

AREA MANAGER

DATE

7-15-94

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL OF THIS APPLICATION 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  
[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.

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MAY 20 1971

OFFICE

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised February 10, 1994  
Instruction on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
Property Code	Property Name MYERS LANGLEI MATTIX UNIT	Well Number 258
OGRID No.	Operator Name OXY U.S.A. INC.	Elevation 3317'

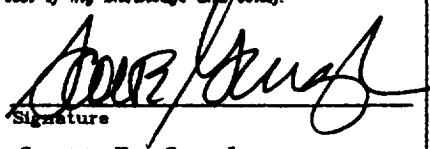
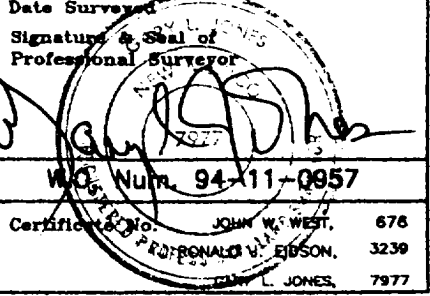
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	31	23S	37E		2560	SOUTH	120	WEST	LEA

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint or Infill	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

LOT 1 37.93 ACRES				<b>OPERATOR CERTIFICATION</b>  I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.   Signature Scott E. Gengler Printed Name Engineering Advisor Title June 10, 1994 Date	
LOT 2 37.95 ACRES					<b>SURVEYOR CERTIFICATION</b>  I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.  MAY 31, 1994 Date Surveyed Signature & Seal of Professional Surveyor  W.C. Num. 94-11-0957 Certificate No. JOHN W. WEST, 676 RONALD V. EIDSON, 3239 L. JONES, 7977
LOT 3 37.97 ACRES					
LOT 4 37.99 ACRES					

SEE DETAIL →

120'

2560'

3316.9' 3321.6' 3318.7' 3315.2'

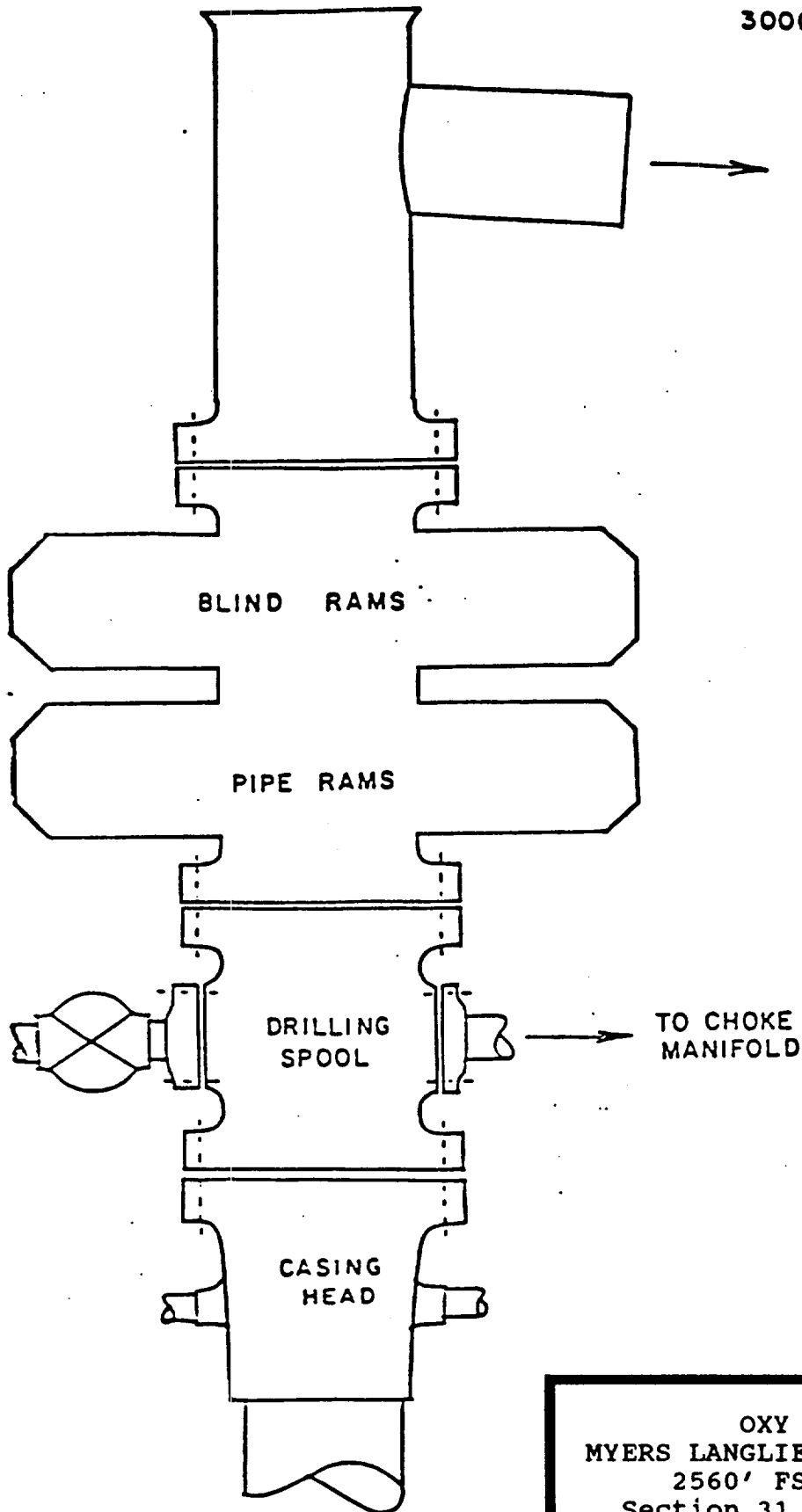
DETAIL

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OFFICE  
OF THE ATTORNEY GENERAL

**BLOWOUT PREVENTER DIAGRAM  
3000<sup>#</sup> W.P.**



OXY USA Inc.  
MYERS LANGLIE MATTIX UNIT #258  
2560' FSL & 120' FWL  
Section 31, T-23-S, R-37-E  
Lea County, New Mexico  
Federal Lease No. LC-032545(b)

FILED

JUL 20 1964

CLERK  
OF DISTRICT COURT



OXY USA INC.  
Box 50250, Midland, TX 79710

June 14, 1994

United States Department of the Interior  
Bureau of Land Management  
Carlsbad Resource Area  
P.O. Drawer 1778  
Carlsbad, New Mexico 88220

Re: Application for Permit to Drill  
OXY USA Inc.  
Myers Langlie Mattix Unit #258  
Lea County, New Mexico  
Lease No. LC-032545(b)

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JUN 15 11 01 AM '94  
CARLSBAD RESOURCE AREA

Gentlemen:

OXY USA Inc. respectfully requests permission to drill our Myers Langlie Mattix Unit #258, located 2560' from the south line and 120' from the west line of Section 31, T-23-S, R-37-E, Lea County, New Mexico, Federal Lease No. LC-032545(b).

The location and work area have been staked. It is approximately 11 miles south of Eunice, New Mexico.

In accordance with requirements stipulated in Federal Onshore Oil and Gas Order No. 1 under 43 CFR 3162.1, our Application for Permission to Drill and supporting evidence is hereby submitted.

I. Application for Permit to Drill:

1. Form 3160.3, Application for Permit to Drill.
2. Form C-102 Location and Acreage Dedication Plat certified by Gary L. Jones, Registered Land Surveyor No. 7977 in the State of New Mexico, dated May 31, 1994. Exhibit attached.
3. The elevation of the unprepared ground is 3317 feet above sea level.
4. The geologic name of the surface formation is Tertiary Ogallala.
5. Rotary drilling equipment will be utilized to drill the well to TD 3,800' and run casing. This equipment will then be rigged down and the well will be completed with a pulling unit.

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HISTORICAL SOCIETY



Application for Permit to Drill  
Myers Langlie Mattix Unit #258

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6. Proposed total depth is 3,800 feet.
7. Estimated tops of important geologic markers.

Anhydrite	1160'
Yates	2950'
Seven Rivers	3220'
Queen	3450'
Penrose	3620'
Total Depth	3800'

8. Estimated depths at which anticipated water, oil, gas or other mineral bearing formations are expected to be encountered:

Primary Objective:      Queen                      3450'

9. The proposed casing program is as follows:

Surface:              8-5/8" OD 24# K55 ST&C new casing

Production:        5-1/2" OD 15.5# K55 ST&C new casing

10. Casing setting depth and cementing program:

- A. 8-5/8" OD surface casing set at 400' in 12-1/4" hole. Circulate cement with 260 sacks Class C + 2%  $\text{CaCl}_2$  + 0.25 lb/sk cellophane flakes. If cement does not circulate, determine the top of cement by temperature survey then finish cementing to the surface through 1" in the annulus using Class "C" with 2%  $\text{CaCl}_2$ .
- B. 5-1/2" OD production casing set @ 3800' in 7-7/8" hole. Circulate Cement with 660 sacks Class C Light + 15 lb/sk salt + 0.25 lb/sk cellophane flakes followed by 150 sx 50/50 Poz/Class H w/ 2% gel + 3 lb/sk KCl + 0.3% Halad 9.

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

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11. Pressure Control Equipment

0' - 400'	None
400' - 3800'	10" 3000# ram type preventers with one set blind rams and one set pipe rams and a remote operating station. See attached exhibit.

A kelly cock will be installed and maintained in operable condition and a drill string safety valve in the open position will be available on the rig floor.

After setting the 8-5/8" casing, the blowout preventers and related control equipment shall be pressure tested to rated working pressures. Any equipment failing to test satisfactorily shall be repaired or replaced. The BOPs will be maintained ready for use until drilling operations are completed.

BOP drills will be conducted as necessary to assure that equipment is operational and each crew is properly trained to carry out emergency duties.

Accumulator shall maintain a pressure capacity reserve at all times to provide for the close-open-close sequence of the blind and pipe rams of the hydraulic preventers.

12. Mud Program:

0' - 400'	Fresh water spud mud. Using lime to control pH (9 to 10). Paper for seepage. Vis 32-34 sec.
400' - 3350'	Brine water. Wt. 10-10.1 ppg, vis 28-29 sec, pH 9.5-10 with lime. Paper for seepage control.

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Application for Permit to Drill  
Myers Langlie Mattix Unit #258

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3350' - 3800' Mud up with salt gel system using gel for viscosity, starch for water loss, and caustic soda/soda ash for pH control to the following characteristics: Wt. 10.0 - 10.1, vis 32-34 secs, pH 10 - 10.5 WL < 15 cc's.

13. Testing, Logging and Coring Program:

- A. Testing program: None
- B. Mud logging program: None
- C. Electric logging program: CNL-LDT-GR  
DLL-MSFL-Cal-GR
- D. Coring program: No cores planned.

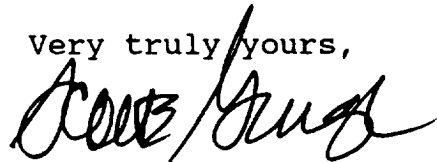
14. No abnormal temperatures or H<sub>2</sub>S gas are anticipated.

15. Anticipated starting date is one week after this application is approved by the Bureau of Land Management. It should take approximately 5 days to drill the well and another 7-10 days to complete.

16. The Multi-Point Surface Use & Operation Plan is attached.

17. If the Bureau of Land Management needs additional information to evaluate this application, please advise.

Very truly yours,



Scott E. Gengler  
Engineering Advisor  
Western Region

SEG/seg

Attachments

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OFFICE

74-28-6