

New Mexico
Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

District I - (505) 393-6161
1625 N. French Dr
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

SUBMIT ORIGINAL
PLUS 2 COPIES
TO THE SANTA FE
OFFICE

DEC - 6 1999

OIL CONSERVATION DIVISION
APPLICATION FOR NEW WELL STATUS

I. Operator and Well

Operator name & address OXY USA Inc. P.O. Box 50250 Midland, TX 79710-0250						OGRID Number 16696		
Contact Party David Stewart						Phone 915-685-5717		
Property Name OXY Viper Federal				Well Number 1		API Number 30-015-30737		
UL E	Section 3	Township 17S	Range 27E	Feet From The 2050	North/South Line North	Feet From The 990	East/West Line West	County Eddy

II. Date/Time Information

Spud Date 9/1/99	Spud Time 0804hrs MDT	Date Completed 11/4/99	Pool Undesignated Crow Flats Morrow
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III. Attach copies of Form C-103 or Federal Form 3160-5 showing date/time of drilling commenced and Form C-105 or Federal Form 3160-4 showing well was completed as a producer.

IV. Attach a list of all working interest owners with their percentage interests.

V. AFFIDAVIT:

State of TEXAS)
County of MIDLAND) ss.

David Stewart, being first duly sworn, upon oath states:

1. I am the Operator, or authorized representative of the Operator, of the above-referenced well.
2. To the best of my knowledge, this application is complete and correct.

Signature David Stewart Title Regulatory Analyst Date 12/2/99
SUBSCRIBED AND SWORN TO before me this 2nd day of December, 1999.
Betty L. Chatwell
Notary Public
My Commission expires: 05-05-01

FOR OIL CONSERVATION DIVISION USE ONLY:

VI. CERTIFICATION OF APPROVAL:

This Application is hereby approved and the above-referenced well is designated a New Well. By copy hereof, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval.

Signature <u>Mark Alley</u>	Title <u>P.E. Spec.</u>	Date <u>JAN 03 2000</u>
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VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT: 1/4/00

NOTICE: The operator must notify all working interest owners of this New Well certification.

PV2V2007334580

OPERATOR'S COPY

Form 3160-5
(November 1994)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
 OXY USA INC. 16696

3a. Address P.O. BOX 50250 MIDLAND, TX 79710-0250
 3b. Phone No. (include area code) 915-685-5717

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 2050 FNL 990 FWL SWNW(E) Sec 3 T17S R27E

5. Lease Serial No.
 NM98808

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
 Oxy Viper Federal #1

9. API Well No.
 30-015-30737

10. Field and Pool, or Exploratory Area
 Udsg. Crow Flats Morrow

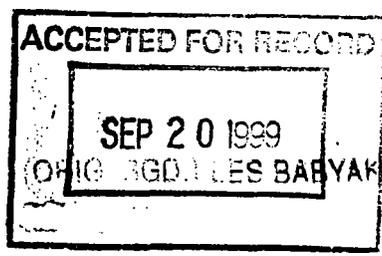
11. County or Parish, State
 EDDY NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Spud, Set Csg & Cmt.
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

See other side



14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed) DAVID STEWART Title REGULATORY ANALYST

Signature *David Stewart* Date 9/16/99

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____ Title _____ Date _____

Conditions of approval, if any, are attached. Approval of this notice 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. Office _____

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.

ATTACHMENT 3160-5
OXY USA INC.
OXY VIPER FEDERAL #1
SEC 3 T17S R27E
EDDY COUNTY, NM

NOTIFIED BLM 0804hrs MDT 9/1/99 OF SPUD. MIRU FWA-PETERSON #308, SPUD WELL @ 0830hrs MDT 9/1/99. DRILL 17-1/2" HOLE TO 135' & LOST RETURNS, M&P LCM SWEEPS W/O SUCCESS, DRY DRILL TO TD @ 400', 9/2/99, PUMP SWEEP. RIH W/ 13-3/8" 48# H40 CSG & SET @ 400'. ATTEMPT TO CIRC, W/O SUCCESS. M&P 200sx CL H W/ 10% A-10B + 1% CaCl₂ + 10#/SX GILSONITE FOLLOWED BY 164sx 65:35 C/POZ W/ 6% BENTONITE + 2% CaCl₂, FOLLOWED BY 200sx CL C W/ CaCl₂, DISP W/ FW, PLUG DOWN @ 1040hrs MDT 9/2/99, CMT DID NOT CIRCULATE, WOC-4hrs. NOTIFIED KATHY W/ BLM, CMT DID NOT CIRC. RIH W/ 1", TAG CMT @ 179', SPOT 50sx CL C W/ 6% CaCl₂, POOH, WOC-1hr. RIH & TAG @ 92', SPOT 50sx CL C W/ 6% CaCl₂, POOH, WOC-1hr. RIH & TAG @ 92', SPOT 50sx CL C W/ 6% CaCl₂, POOH, WOC-1hr. RIH & TAG @ 89', SPOT 50sx CL C W/ 6% CaCl₂, POOH, WOC-1hr. RIH & TAG @ 40', SPOT 70sx CL C W/ 6% CaCl₂, CIRC 10sx TO PIT. CUT OFF CASING, WELD ON STARTING HEAD, TEST TO 500#, OK. NU BOP & CHOKE MANIFOLD, TEST BLIND RAMS, PIPE RAMS, & HYDRIL TO 650#, OK. RIH & TAG, DRILL OUT & DRILL AHEAD @ 1115hrs 9/3/99.

DRILL 11" HOLE TO TD @ 1510' 9/4/99. RIH W/ 8-5/8" 32# K55 CSG & SET @ 1510'. M&P 400sx 65:35 C/POZ W/ 6% BENTONITE + 2% CaCl₂ + 6#/sx GILSONITE FOLLOWED BY 200sx CL C W/ 2% CaCl₂, DISP /FW, PLUG DOWN @ 0130hrs MDT 9/5/99, CIRC 108sx CMT TO PIT. WOC-8hrs, NU BOP & CHOKE MANIFOLD, TEST BLIND RAMS, PIPE RAMS, CHOKE LINES, CHOKE MANIFOLD AND SAFETY VALVES TO 5000#, OK. TEST HYDRIL TO TEST KILL LINE, MUD LINES, & CASING TO 2500#, BLM NOTIFIED OF BOP TEST, DID NOT WITNESS. RIH & TAG, DO CMT, TEST TO 500#, OK, DRILL AHEAD.



**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

5. LEASE DESIGNATION AND SERIAL NO.

NM 98808

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

Oxy Uiper Federal #1

9. API WELL NO.

30-015-30737

10. FIELD AND POOL, OR WILDCAT

Undsg Crow Flats Morrow

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec 3 T17S R27E

12. COUNTY OR PARISH
EDDY

13. STATE
NM

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RENVR. Other _____

2. NAME OF OPERATOR
OXY USA Inc. 16696

3. ADDRESS AND TELEPHONE NO.
P.O. BOX 50250 MIDLAND, TX 79710-0250 915-685-5717

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

At surface **2050 FNL 990 FWL SWNW(E)**

At top prod. interval reported below

At total depth

14. PERMIT NO. _____ DATE ISSUED **8/24/99**

15. DATE SPUDDED **9/1/99** 16. DATE T.D. REACHED **9/19/99** 17. DATE COMPL. (Ready to prod.) **11/4/99** 18. ELEVATIONS (DF, HKB, RT, OR, ETC.)* **3307'** 19. SLEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD **9205'** 21. PLUG BACK T.D., MD & TVD **9155'** 22. IF MULTIPLE COMPL., HOW MANY* **→** 23. INTERVALS DRILLED BY **→** ROTARY TOOLS **X** CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
8966-8970, 8973-8982' Morrow

25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN
DLL | MLL | CZDL | CNL | GR

27. WAS WELL COBED
Yes

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
13 7/8" H40	48#	400'	17 1/2"	8345x - Surface	N/A
8 7/8" K55	32#	1510'	11"	6005x - Circulated	N/A
4 1/2" P110	11.6#	9205'	7 7/8"	3855x - CBL 7068'	N/A

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8"		

31. PERFORATION RECORD (Interval, size and number)

45PF @ 8966-8970, 8973-8982'
Total 44 holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
8966-8982'	1500gal. Nitric Acid
" "	8610gal DQ CO₂ Foamed 40# Gel
" "	w/ 18660# 20/40 Sand

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
11/4/99		Flowing				Producing	
DATE OF TEST	HOURS TESTED	CHOKED SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
11/28/99	24	Open	→	0	470	0	
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
825		→	0	470	0		

34. DISPOSITION OF GAS (Bold, used for fuel, vented, etc.)
Sold

TEST WITNESSED BY
J. Gibson

35. LIST OF ATTACHMENTS
3160-5, Deviation SV4, Logs (2 sets)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

DAVID STEWART
REGULATORY ANALYST

SIGNED **David Stewart** TITLE _____ DATE **12/2/99**

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION		TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
SAMPLE NUMBER	DEPTH ft	INCHES REC.	DESCRIPTION	
1	6104.0	1.0	Dol, sl calc, imp, 90% wh-ye1 flu	
2	6106.0	1.0	Dol, imp, 80% wh-ye1 flu	
3	8333.0	1.2	Cgl, lmy-silty mx, 0% flu, trace cut	
4	8335.0	1.8	Sd, lt gry, f-med gr, sl calc, lam, 0% flu, trace cut	
5	8969.0	1.3	Sd, dk gry, slit-vf gr, calc incl, 0% flu, trace cut	
6	8970.0	1.6	Sd, dk gry, slit-vf gr, calc incl, frac fill, 0% flu, trace cut	
7	8974.0	1.5	Sd, brn, f-slt gr, vert frac, lam, 0% flu, trace cut	
8	8975.0	1.5	Sd, brn, f-med gr, calc, vert frac, 0% flu, trace cut	
9	8976.0	0.3	Sd, brn, f-med gr, calc, vert frac, 0% flu, trace cut	
10	8978.0	1.5	Sd, gry-brn, f-med gr, sl calc, 0% flu, trace cut	
11	8979.0	1.7	Sd, brn-gry, f-med gr, sl calc, vert frac, styl, 0% flu, trace cut	
12	8980.0	1.8	Sd, brn, f-med gr, vert frac, styl, 0% flu, trace cut	
13	8981.0	1.1	Sd, brn, f-med gr, styl, 0% flu, trace cut	

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Wolfcamp	6076'	
Penn	7289'	
Strawn	8394'	
Atoka	8656'	
Morrow	8804'	

COMPLETED CUTTING SIDE WALL CORES. MIRU SCHLUMBERGER AND PICKED UP AND TIH WITH DST TOOLS. TESTED FROM 8874 TO 9205.

OUTSIDE PORT @ 9200 INSIDE PORT @ 8889

TEMP DEG F	154	154
I. HYD PSIG	4881	4708
I. FLOW PSIG	401-375	232-218
I.S.I. PSIG	3740	3590
F. FLOW PSIG	347-529	193-379
F.S.I. PSIG	3773	3629
F. HYD PSIG	4831	4682

CUSHION - 240 FT FRESH WATER

THIS DST OF THE MORROW WAS MECHANICALLY SECESSFUL. SAMPLER CONTAINED 50 CC'S OF MUD AT 300 PSI & 2 CUFT GAS. RECOVERED A TOTAL OF 559' (3.2 BBLs) OF MUD CUT WITH GAS AND CUSHION. TOP RECOVERY (559' ABOVE MFE) : 51000 PPM, 315' ABOVE MFE : 83000 PPM, 90' ABOVE MFE: 135000 PPM, TOP OF MFE: 138000 PPM. RECOVERY LESS CUSHION IS 319' (2.0 BBLs).

INL FLOW 13 MINS, 43# ON 1/4" CHOKE, BHP 401# TO 375#
 END OF SHUT-IN (1 HR) BHP 3740# FINAL FLOW 60 MINS, 140# ON 1/4" CHOKE, BHP 347# TO 529#
 END SHUT-IN 320 MINS, BHP 3773#

ATTACHMENT C-142

OXY USA INC.

OXY VIPER FEDERAL #1

WORKING INTEREST OWNERS

OXY USA INC.	11.2767673
CONCHO RESOURCES, INC.	24.8810375
CHI ENERGY, INC.	2.5059497
SOUTHWESTERN ENERGY	25.0594812
McCOMBS ENERGY, LLC	9.8671695
ANDREWS & CORKAN, LLC	1.4095948
MANIX ENERGY, LLC	<u>25.0000000</u>
	100.0