

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Form C-101
May 27, 2004

Oil Conservation Division
1220 S. St. Francis Dr.
Santa Fe, NM 87505

submit to appropriate District Office

☒ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUG BACK, OR ADD A ZONE

¹ Operator Name and Address OXY USA WTP Limited Partnership P.O. Box 50250 Midland, TX 79710-0250		² OGRID Number 192463
		³ API Number 30- 15-29376
⁴ Property Code 20427 27638	⁵ Property Name OXY Mustang State Com.	⁶ Well No. 1
⁹ Proposed Pool 1 Empire Morrow, South 76400		¹⁰ Proposed Pool 2

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
I	16	18S	29E		1980	south	660	east	Eddy

⁸ Proposed 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
I	16	18S	29E		1380	south	700	east	Eddy

Additional Well Location

¹¹ Work Type Code P - D	¹² Well Type Code G	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3519'
¹⁶ Multiple N	¹⁷ Proposed Depth 11300'	¹⁸ Formation Morrow	¹⁹ Contractor N/A	²⁰ Spud Date 10/30/06
Depth to ground water +/-250'		Distance from nearest fresh water well >1000'		Distance from nearest surface water >1000'
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12 mils thick Clay <input type="checkbox"/> Pit Volume _____ bbls Drilling Method:				
Closed-Loop System <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17-1/2"	13-3/8"	48#	401'	820sx	Surface
11"	8-5/8"	24-32#	3164'	1425sx	Surface
7-7/8"	5-1/2"	15.5#	11300'	1280sx	3000'

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

See Attachment

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☐ a general permit ☐, or an (attached) alternative OCD-approved plan ☐.
Signature: *David Stewart*

Printed name: David Stewart

Title: Sr. Regulatory Analyst

E-mail Address: david_stewart@oxy.com

Date: 10/24/06

Phone: 432-685-5717

OIL CONSERVATION DIVISION

Approved by:

BRYAN G. ARRANT

DISTRICT II GEOLOGIST

Title:

Approval Date: OCT 30 2006

Expiration Date: OCT 30 2007

Conditions of Approval:

Attached ☐

OXY Mustang State #1 Sidetrack Procedure

Well Data:

KB: 18 feet above GL
GL Elevation: 3519'
Total Depth: 11300'
PBSD: 11241'
Casing: 13-3/8" 48# H-40 @ 401'. Cmtd w/ 820 sx. Cmt circ.
8-5/8" 24 & 32# K-55 @ 3164' Cmtd w/ 1425 sx. Cmt circ.
4-1/2" 17# P-110 & N-80 @ 11300', Cmtd w/ 270 sx. TOC by
CBL @ 10000'
Perforations: Atoka (10656' – 10686')
Packer: Baker Model DB @ 10583'
Profile Nipple: 1.78" R @ 10592'

Procedure:

1. MIRU pulling unit. Kill well. ND WH, NU BOP. TOOH w/ pkr & tbq.
2. RU wireline, TIH w/ CIBP and set @ \pm 10556'. Dump 3 sx cmt on top of CIBP. RD Wireline.
3. RU Scientific Drilling Wireline and run gyro from 10000' to surface. RD Scientific.
4. TIH w/ tbq open ended to 10107' and spot 25 sx cmt plug from 10107' to 10007'. TOOH w/ tbq.
5. RU and pick up csg off slips. Run free point survey on 4-1/2" csg. Run chemical cutter and cut 4-1/2" csg @ 8500' and at 4800'. TOOH and LD 4-1/2" csg from 4800'.
6. RIH w/ csg spear and jars on tbq and spear into csg @ 4800'. Pull and LD 4-1/2" csg from 8500'.
7. TIH w/ tbq open ended and spot 40 sx whipstock plug from 8600' to 8370'. TOOH and LD tbq.
8. ND BOP, NU blind flange and RD and MO pulling unit.
9. RU Drilling Rig, Drill out and sidetrack to proposed td @ 11300'
10. RIH & set 5-1/2" csg @ 11300'
11. Perforate Morrow, acidize and/or frac Morrow
12. Put well on production

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State of New Mexico
Energy, Minerals & Natural Resources

Form C-102
Revised June 10, 2003

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-29376	² Pool Code 76400	³ Pool Name Empire Morrow, South
⁴ Property Code 20427	⁵ Property Name OXY Mustang State	⁶ Well Number 1
⁷ OGRID No. 192463	⁸ Operator Name OXY USA WTP Limited Partnership	⁹ Elevation 3519'

¹⁰ Surface Location

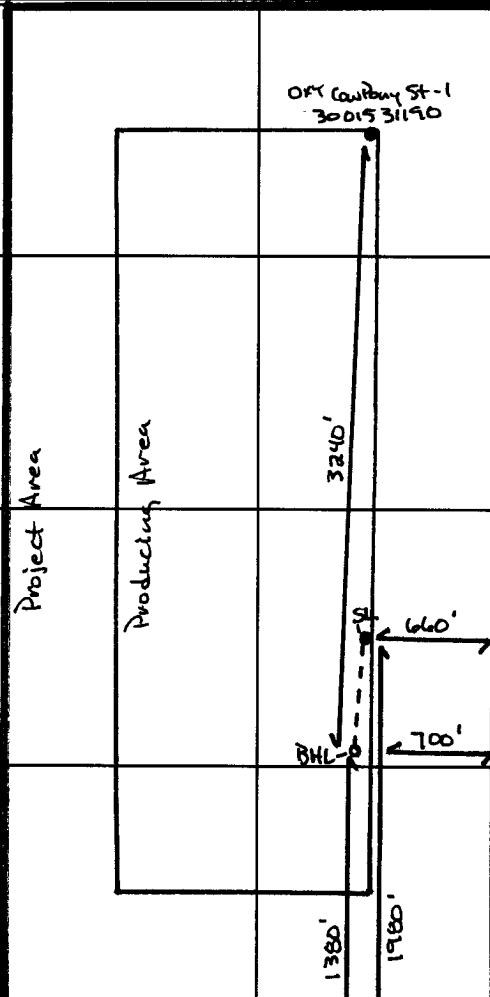
UL or lot no. I	Section 16	Township 18S	Range 29E	Lot. Idn	Feet from the 1980	North/South line south	Feet from the 660	East/West line east	County Eddy
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. I	Section 16	Township 18S	Range 29E	Lot. Idn	Feet from the 1380	North/South line south	Feet from the 700	East/West line east	County Eddy
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¹² Dedicated Acres 320	¹³ Joint or Infill Y	¹⁴ Consolidation Code	¹⁵ Order No.
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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

16		¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature David Stewart Printed Name Sr. Regulatory Analyst Title and Email 10/24/06 Date
		¹⁸ SURVEYOR CERTIFICATION 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. Date of Survey Signature and Seal of Professional Surveyer: Certificate Number

Oxy Permian

Mustang State Com #1 - Plan #1 - 30-015-29376

1980 FSL 660 FEL I Sec 16 T18S R29E

Eddy Co., New Mexico

Mustang State Com #1

Measured Depth (ft)	Incl.	Azim.	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
8762.24	0.000	0.000	8762.24	0.00 N	0.00 E	0.00	0.00
8800.00	0.944	183.814	8800.00	0.31 S	0.02 W	0.31	2.50
8900.00	3.444	183.814	8899.92	4.13 S	0.28 W	4.14	2.50
9000.00	5.944	183.814	8999.57	12.29 S	0.82 W	12.32	2.50
9100.00	8.444	183.814	9098.78	24.79 S	1.65 W	24.84	2.50
9200.00	10.944	183.814	9197.34	41.59 S	2.77 W	41.68	2.50
9300.00	13.444	183.814	9295.08	62.66 S	4.18 W	62.80	2.50
9400.00	15.944	183.814	9391.80	87.97 S	5.86 W	88.16	2.50
9500.00	18.444	183.814	9487.32	117.46 S	7.83 W	117.72	2.50
9600.00	20.944	183.814	9581.47	151.08 S	10.07 W	151.42	2.50
9700.00	23.444	183.814	9674.05	188.77 S	12.58 W	189.19	2.50
9722.24	24.000	183.814	9694.42	197.70 S	13.18 W	198.14	2.50
9800.00	24.000	183.814	9765.45	229.26 S	15.28 W	229.77	0.00
9900.00	24.000	183.814	9856.80	269.84 S	17.99 W	270.44	0.00
10000.00	24.000	183.814	9948.16	310.42 S	20.69 W	311.11	0.00
10100.00	24.000	183.814	10039.51	351.01 S	23.40 W	351.79	0.00
10200.00	24.000	183.814	10130.87	391.59 S	26.11 W	392.46	0.00
10300.00	24.000	183.814	10222.22	432.17 S	28.81 W	433.13	0.00
10400.00	24.000	183.814	10313.58	472.76 S	31.52 W	473.81	0.00
10500.00	24.000	183.814	10404.93	513.34 S	34.22 W	514.48	0.00
10600.00	24.000	183.814	10496.29	553.93 S	36.93 W	555.16	0.00
10700.00	24.000	183.814	10587.64	594.51 S	39.63 W	595.83	0.00
10713.53	24.000	183.814	10600.00	600.00 S	40.00 W	601.33	0.00

All data are in feet unless otherwise stated. Directions and coordinates are relative to Grid North.

Vertical depths are relative to WELL. Northings and Eastings are relative to Well.

The Dogleg Severity is in Degrees per 100 feet.

Vertical Section is from Slot and calculated along an Azimuth of 183.814° (Grid).

Coordinate System is NAD 1927 (NADCON CONUS) US State Plane 1927 (Exact solution), New Mexico East 3001.

Central meridian is -104.333°.

Grid Convergence at Surface is -0.822°.

Based upon Minimum Curvature type calculations, at a Measured Depth of 10713.53ft., the Bottom Hole Displacement is 601.33ft., in the Direction of 183.814° (Grid).

OXY USA WTP LP - Proposed
OXY Mustang State Com. #1
API No. 30-015-29376



17-1/2" hole @ 401'
13-3/8" csg @ 401'
w/820sx-TOC-Surf-Circ

11" hole @ 3164'
8-5/8" csg @ 3164'
w/1425sx-TOC-Surf-Circ

7-7/8" hole @ 11300'
5-1/2" csg @ 11300'
w/1280sx cmt

Csg Stub/Whipstock Plug

25sx @ 10107-10007'

CIBP @ 10556', dump 35' cmt
Atoka Perfs @ 10656-10686'

5/03-25'cmt @ 11137'

4-1/2" csg @ +/-8500-11300'
w/270sx-TOC-10000'-CBL

TD-11300'

TD-11300'

Morrow Perfs