

DATE IN 11.08.11	SUSPENSE	ENGINEER DK B	LOGGED IN 11.8.11	TYPE NSL	APP NO 1031251385
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



OXY USA INC. 16696

Last Tank 10 Fed #5

ADMINISTRATIVE APPLICATION CHECKLIST

1:22 30-015-37924

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

Amend

NSL-6266

- [1] TYPE OF APPLICATION - Check Those Which Apply for [A]
 [A] Location - Spacing Unit - Simultaneous Dedication
☒ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

- [B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

- [D] Other: Specify _____

- [2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply

- [A] ☒ Working, ~~Royalty~~ or ~~Overriding Royalty~~ Interest Owners
 [B] ☒ Offset Operators, ~~Leaseholders~~ or Surface Owner
 [C] ☐ Application is One Which Requires Published Legal Notice
 [D] ☒ Notification and/or Concurrent Approval by BLM or SLO
 U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
 [E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,
 [F] ☐ Waivers are Attached

- [3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

- [4] CERTIFICATION: I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

David Stewart
 Print or Type Name

David Stewart
 Signature

SR. Reg. Analyst
 Title

11/21/10
 Date

david_stewart@oxy.com
 e-mail Address

OXY USA Inc.
 Last Tank 10 Federal #5



OXY USA Inc.

**PO Box 50250
Midland, TX 79710-0250**

AMENDED

November 2, 2010

New Mexico Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Attention: Richard Ezeanyim

Re: ***Amend Administrative Order NSL-6266
Lost Tank Delaware, West - Lost Tank 10 Federal #5
Surface/Penetration Point - 200 FSL 250 FEL Ut P - Sec 3 T22S R31E
Bottom Hole -1547 FNL 331 FEL Ut H - Sec 10 T22S R31E
Eddy County, New Mexico***

Dear Mr. Ezeanyim:

OXY USA Inc. respectfully requests administrative approval under Rule 104 (F) of this amended non-standard well location on the Lost Tank 10 Federal #5. After setting the intermediate casing at 4134', the well was kicked off at 4144' and directionally drilled to a TD at 8675'M 8263'V. The top of Delaware formation was encountered at 4242' with the Delaware Brushy Canyon penetrated at 6720'. The well bore was expected to be at a standard location, but due to the mapping system used to plot the surface location and the x and y coordinates, the proposed wellbore was not as accurate as the actual survey. A comparison of the mapping coordinates to the survey coordinates was not done prior to drilling, therefore the information provided to and used by drilling resulted in a wellbore that does not meet the minimum setbacks under the non-standard location order. The surface non-standard location was necessary for reasons of potash surface restrictions and topography, which was required by the BLM.

The #5 encroaches on the 40-acre spacing units of M-Sec 2, P-Sec 3, A-Sec 10, D,E-Sec 11 of T22S R31E. All of the interest owners have joined in the drilling of the #5 and waivers have been sent to the affected parties and will be sent when received.

To support this request, the following information has been submitted for your review:

1. Administrative Order NSL-6266
2. Application for Permit to Drill.
3. Amended NMOCD C-102 Plat for the well with offsetting well and affected spacing units.
4. List of affected offset parties that adjoin the non-standard well and the spacing unit being encroached upon, along with a copy of the certified returned receipts. Copies of the signed certified receipts will be furnished upon request.
5. Final Directional Survey

If you need any additional information, please call me at 432-685-5717.

Sincerely,

David Stewart
Sr. Regulatory Analyst
OXY USA Inc.

Attachments

CC: NMOCD-Artesia, BLM-Carlsbad, Service List



New Mexico Energy, Minerals and Natural Resources Department

Bill Richardson

Governor

Jim Noel

Cabinet Secretary

Karen W. Garcia

Deputy Cabinet Secretary

Mark Fesmire

Division Director

Oil Conservation Division



September 17, 2010

OXY USA, Inc.
Attn: David Stewart
P.O.Box 50250
Midland, TX 79710-0250

Administrative Order NSL-6266

**Re: Lost Tank 10 Federal Well No. 5
API No. 30-015-37924
200 feet FSL & 250 feet FEL
Unit P, Section 3-22S-31E
Eddy County, New Mexico**

Dear Mr. Stewart:

Reference is made to the following:

(a) your application (**administrative application reference No. pTGW10-23749367**) submitted to the New Mexico Oil Conservation Division (the Division) in Santa Fe, New Mexico on August 25, 2010, and

(b) the Division's records pertinent to this request.

OXY USA, Inc. [OGRID 16696] (OXY) has requested to drill the above-referenced well as a directional well in the Delaware formation, at a location that will be unorthodox under Division Rule 16.14.B(2). The proposed surface location, point of penetration and terminus of the well are as follows:

Surface Location: 200 feet from the South line and 250 feet from the East line
(Unit P) of Section 3, Township 22S, Range 31E, NMPM,
Eddy County, New Mexico

Point of Penetration: same as surface location

Terminus 1536 feet from the North line and 330 feet from the East line
(Unit H) of Section 10, said Township and Range
Oil Conservation Division

1220 South St. Francis Drive • Santa Fe, New Mexico 87505
Phone (505) 476-3440 • Fax (505) 476-3462 • www.emnrd.state.nm.us/OCD



The N/2 and SE/4 of the NE/4 and the NE/4 of the NW/4 of Section 10 will be dedicated to the proposed well to form a project area consisting of four standard spacing units in the West Lost Tank-Delaware Pool (96582). This pool is governed by statewide Rule 15.9.A, which provides for 40-acre units, with wells located at least 330 feet from a unit outer boundary. This location is unorthodox because portions of the producing interval will be outside the producing area.

The penetration point is in the SE/4 SE/4 of Section 3, which is outside the project area. This approval is **CONDITIONED UPON** the well being completed only within the designated project area.

Your application has been duly filed under the provisions of Division Rules 15.13 and 4.12.A(2).

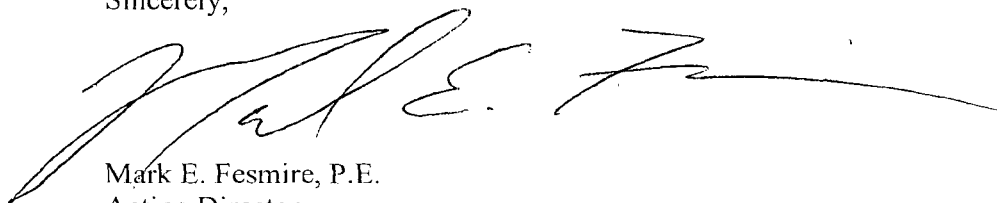
It is our understanding that you are seeking this location to conform to United States Bureau of Land Management potash area drilling restrictions. It is also understood that you have given due notice of this application to all operators or owners who are "affected persons," as defined in Rule 4.12.A(2), in all adjoining units towards which the proposed location encroaches.

Pursuant to the authority conferred by Division Rule 15.13.B, the above-described unorthodox location is hereby approved.

This approval is subject to your being in compliance with all other applicable Division rules, including, but not limited to Division Rule 5.9.

Jurisdiction of this case is retained for the entry of such further orders as the Division may deem necessary.

Sincerely,

A handwritten signature in black ink, appearing to read 'Mark E. Fesmire', with a long horizontal flourish extending to the right.

Mark E. Fesmire, P.E.
Acting Director

MEF/db

cc: New Mexico Oil Conservation Division - Artesia
United States Bureau of Land Management

RECEIVED
JUN 14 2010
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
NMOC D ARTESIA
APPLICATION FOR PERMIT TO DRILL OR REENTER

OK
OCD Artesia

A+S-08-504
FORM APPROVED
OMB NO. 1004-0136
Expires: November 30, 2000

1a. Type of Work ☒ DRILL ☐ REENTER		R-111-POTASH	
1b. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone			
2. Name of Operator OXY USA Inc.			
3a. Address P.O. Box 50250 Midland, TX 79710-0250		3b. Phone No. (include area code) 16696 432-685-5717	
4. Location of Well (Report location clearly and in accordance with any State requirements)* At surface 2005L 250 FEL SESE (P) Sec 3 UNORTH OF At proposed prod zone 1536 FNL 330 FEL SENE (H) Sec 10 LOCATION		5. Lease Serial No. NMNM0417696-S NMNM0417506-BH 6. If Indian, Allottee or Tribe Name 7. Unit or CA Agreement Name and No. 8. Lease Name and Well No. 38185 Lost Tank 10 Federal #5 9. API Well No. 30-015-37924 10. Field and Pool, or Exploratory Lost Tank Delaware, West Sec., T, R, M., or Blk. and Survey or Area Sec 3-S 10-BH T22S R31E	
14. Distance in miles and direction from nearest town or post office* 20 miles northeast from Loving, NM		12. County or Parish Eddy 13. State NM	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drg unit line, if any) 330'	16. No. of Acres in lease 160	17. Spacing Unit dedicated to this well 40	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 762'	19. Proposed Depth 8643' 8700' M 8227' 8300' V	20. BLM/BIA Bond No. on file ES0136	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3510.1'	22. Approximate date work will start* 8/09	23. Estimated duration 45	

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- | | |
|---|--|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) David Stewart	Date 5/16/09
Title Sr. Regulatory Analyst		
Approved by (Signature) 	Name (Printed/Typed) Tony Herrnell	Date MAY 28 2010
Title STATE DIRECTOR		
Office NM STATE OFFICE		

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, are attached

APPROVAL FOR TWO YEARS

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

*(Instructions on Reverse)

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

Carlsbad Controlled Water Basin

OCD CONDITION OF APPROVAL for Non-Standard Location
Intent to drill ONLY — CANNOT produce until the Non-Standard
Location has been approved by OCD Santa Fe office.

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS
AND SPECIAL STIPULATIONS
ATTACHED

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

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease- 4 Copies
Fee Lease- 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-37924	Pool Code 96582	Pool Name LOST TANK DELAWARE, WEST
Property Code 381185	Property Name LOST TANK 10 FEDERAL	Well Number 5
OGRID No. 16696	Operator Name OXY USA INC.	Elevation 3510.1'

Surface Location

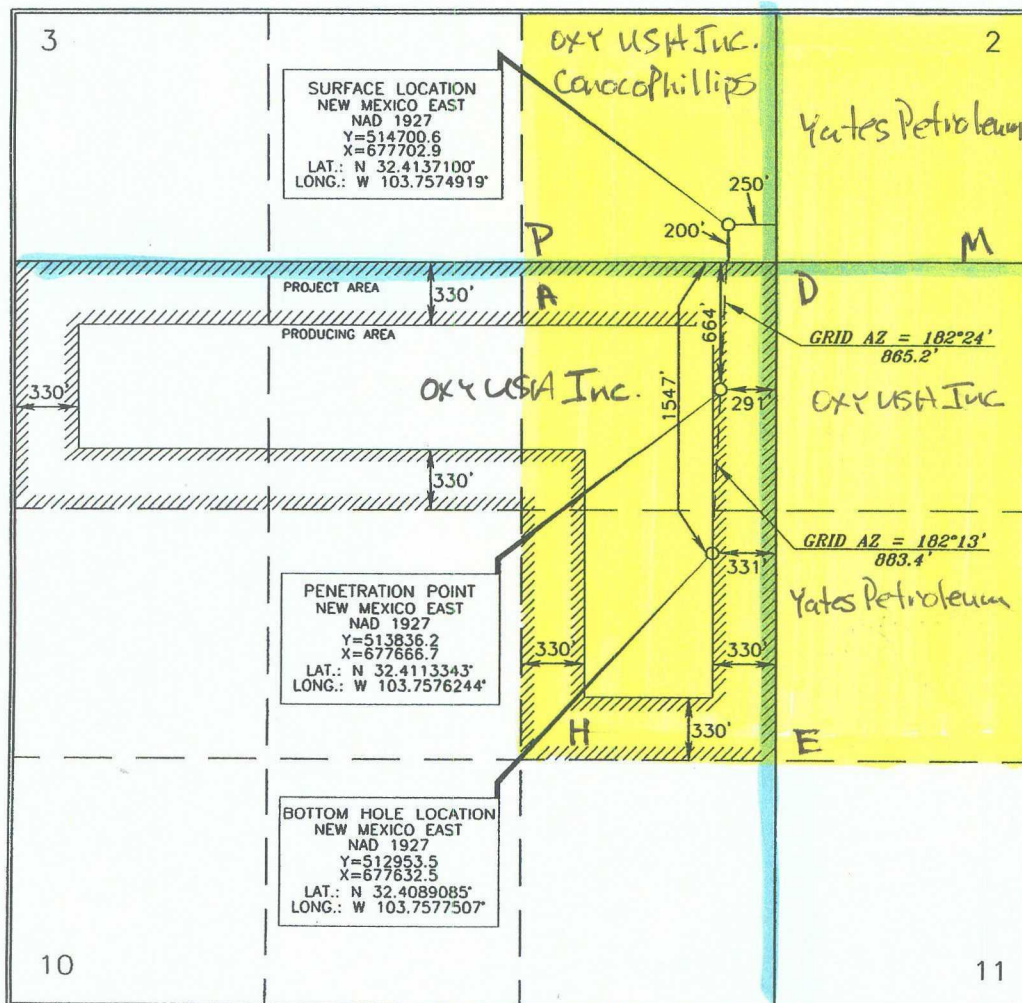
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	3	22 SOUTH	31 EAST, N.M.P.M.		200'	SOUTH	250'	EAST	EDDY

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
H	10	22 SOUTH	31 EAST, N.M.P.M.		1547'	NORTH	331'	EAST	EDDY

Dedicated Acres 160	Joint or Infill Y	Consolidation Code	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.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

David Stewart
Signature Date 11/2/10

David Stewart
Printed Name

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes or actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Tommy D. Paul
Date of Survey 11/1/2010
Signature and Seal of Professional Surveyor
Certificate Number 15079

Service List – NSL-6266
OXY USA Inc.
Lost Tank 10 Federal #5
SL - Sec 3 T22S R31E
BHL – Sec 10 T22S R31E

United States Dept of Interior
Bureau of Land Management
620 E. Greene Street
Carlsbad, NM 88220-6292

New Mexico Oil Conservation Division
1301 W. Grand Ave.
Artesia, NM 88210

New Mexico Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Affected Offset Parties:

OXY USA Inc.
P.O. Box 50250
Midland, TX 79710

Conoco Phillips Co.
Attn: Tom Scarbrough
550 Westlake Park Blvd.
Houston, TX 77252-2197

Yates Petroleum Corp.
105 S. Fourth St.
Artesia, NM 88210



OXY USA Inc.

PO Box 50250
Midland, TX 79710-0250

November 2, 2010

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

Conoco Phillips Co.
Attn: Tom Scarbrough
550 Westlake Park Blvd.
Houston, TX 77252-2197

Re: *Amend Administrative Order NSL-6266*
Lost Tank Delaware, West - Lost Tank 10 Federal #5
Surface/Penetration Point – 200 FSL 250 FEL Ut P – Sec 3 T22S R31E
Bottom Hole –1547 FNL 331 FEL Ut H – Sec 10 T22S R31E
Eddy County, New Mexico
FEL Ut H – Sec 10 T22S R31E
Eddy County, New Mexico

Ladies and Gentlemen:

Enclosed is a copy of an application, filed with the New Mexico Oil Conservation Division by OXY USA Inc., requesting administrative approval under Rule 104 (F) of an unorthodox well location. As an affected party, notice is being provided to you pursuant to Rule 104 (F). The well is located in the SESE/4 of Section 3 T22S R31E, Eddy County, NM. If you object to the well's location, you must notify the Division in writing no later than 20 days from the date the application is received by the NMOCD (1220 South St. Francis Drive, Santa Fe, NM 87505; Attention: Richard Ezeanyim).

If you need any additional information, please call me at 432-685-5717.

Sincerely,

A handwritten signature in black ink, appearing to read "David Stewart", written over a horizontal line.

David Stewart
Sr. Regulatory Analyst
OXY USA WTP LP

Attachments



OXY USA Inc.

PO Box 50250
Midland, TX 79710-0250

November 2, 2010

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

Yates Petroleum Corp.
105 S. Fourth St.
Artesia, NM 88210

Re: *Amend Administrative Order NSL-6266*
Lost Tank Delaware, West - Lost Tank 10 Federal #5
Surface/Penetration Point – 200 FSL 250 FEL Ut P – Sec 3 T22S R31E
Bottom Hole – 1547 FNL 331 FEL Ut H – Sec 10 T22S R31E
Eddy County, New Mexico

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Sincerely,

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David Stewart
Sr. Regulatory Analyst
OXY USA WTP LP

Attachments



Actual Wellpath Report

10 Fed No. 5 AWP

Page 1 of 5



REFERENCE WELLPATH IDENTIFICATION			
Operator	OXY Permian	Slot	Lost Tank 10 Fed No. 5
Area	Eddy County, NM	Well	10 Fed No. 5
Field	Lost Tank	Wellbore	10 Fed No. 5 AWB
Facility	Lost Tank Pad A		

REPORT SETUP INFORMATION			
Projection System	NAD27 / TM New Mexico State Planes, Eastern Zone (3001), US feet	Software System	WellArchitect® 2.0
North Reference	Grid	User	Victor Hernandez
Scale	0.999945	Report Generated	10/13/2010 at 7:49:37 AM
Convergence at slot	0.31° East	Database/Source file	WA_Midland/10_Fed_No._5_AWB.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	0.60	0.00	677702.90	514700.60	32°24'49.356"N	103°45'26.971"W
Facility Reference Pt			677702.90	514700.00	32°24'49.350"N	103°45'26.971"W
Field Reference Pt			677702.20	514850.60	32°24'50.840"N	103°45'26.970"W

WELLPATH DATUM			
Calculation method	Minimum curvature	Rig on Lost Tank 10 Fed No. 5 (KB) to Facility Vertical Datum	3526.60ft
Horizontal Reference Pt	Slot	Rig on Lost Tank 10 Fed No. 5 (KB) to Mean Sea Level	3526.60ft
Vertical Reference Pt	Rig on Lost Tank 10 Fed No. 5 (KB)	Facility Vertical Datum to Mud Line (Facility)	0.00ft
MD Reference Pt	Rig on Lost Tank 10 Fed No. 5 (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	182.31°



Actual Wellpath Report

10 Fed No. 5 AWP

Page 2 of 5



REFERENCE WELLPATH IDENTIFICATION			
Operator	OXY Permian	Slot	Lost Tank 10 Fed No. 5
Area	Eddy County, NM	Well	10 Fed No. 5
Field	Lost Tank	Wellbore	10 Fed No. 5 AWB
Facility	Lost Tank Pad A		

WELLPATH DATA (101 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	DLS [°/100ft]
0.00†	0.000	106.910	0.00	0.00	0.00	0.00	677702.90	514700.60	32°24'49.356"N	103°45'26.971"W	0.00
16.50	0.000	106.910	16.50	0.00	0.00	0.00	677702.90	514700.60	32°24'49.356"N	103°45'26.971"W	0.00
100.00	0.310	106.910	100.00	0.06	-0.07	0.22	677703.12	514700.53	32°24'49.355"N	103°45'26.969"W	0.37
200.00	0.310	324.840	200.00	-0.09	0.08	0.32	677703.22	514700.68	32°24'49.357"N	103°45'26.967"W	0.59
300.00	0.360	1.250	300.00	-0.62	0.61	0.17	677703.07	514701.21	32°24'49.362"N	103°45'26.969"W	0.21
400.00	0.420	35.200	400.00	-1.24	1.23	0.39	677703.29	514701.83	32°24'49.368"N	103°45'26.967"W	0.23
500.00	0.050	347.500	499.99	-1.59	1.57	0.59	677703.49	514702.17	32°24'49.371"N	103°45'26.964"W	0.39
600.00	0.210	91.400	599.99	-1.64	1.61	0.76	677703.66	514702.21	32°24'49.372"N	103°45'26.962"W	0.23
617.00	0.390	344.450	616.99	-1.69	1.66	0.78	677703.68	514702.26	32°24'49.372"N	103°45'26.962"W	2.91
716.00	0.440	359.600	715.99	-2.39	2.37	0.69	677703.59	514702.97	32°24'49.379"N	103°45'26.963"W	0.12
836.00	0.150	345.600	835.99	-3.00	2.98	0.64	677703.54	514703.58	32°24'49.385"N	103°45'26.963"W	0.25
971.00	0.290	315.400	970.99	-3.40	3.39	0.36	677703.26	514703.99	32°24'49.389"N	103°45'26.967"W	0.13
1107.00	0.340	339.900	1106.99	-4.01	4.02	-0.02	677702.88	514704.62	32°24'49.396"N	103°45'26.971"W	0.10
1242.00	0.390	348.700	1241.98	-4.83	4.84	-0.25	677702.65	514705.44	32°24'49.404"N	103°45'26.974"W	0.06
1377.00	0.040	60.500	1376.98	-5.30	5.32	-0.30	677702.60	514705.92	32°24'49.408"N	103°45'26.974"W	0.28
1513.00	0.150	345.200	1512.98	-5.50	5.51	-0.30	677702.60	514706.11	32°24'49.410"N	103°45'26.974"W	0.11
1648.00	0.060	331.600	1647.98	-5.73	5.75	-0.38	677702.52	514706.35	32°24'49.413"N	103°45'26.975"W	0.07
1828.00	0.290	334.400	1827.98	-6.21	6.24	-0.62	677702.28	514706.84	32°24'49.418"N	103°45'26.978"W	0.13
1964.00	0.150	302.800	1963.98	-6.60	6.65	-0.92	677701.98	514707.25	32°24'49.422"N	103°45'26.981"W	0.13
2099.00	0.200	36.000	2098.98	-6.89	6.93	-0.93	677701.97	514707.53	32°24'49.424"N	103°45'26.982"W	0.19
2234.00	0.110	16.200	2233.98	-7.21	7.25	-0.75	677702.15	514707.85	32°24'49.428"N	103°45'26.979"W	0.08
2370.00	0.310	10.500	2369.98	-7.70	7.73	-0.65	677702.25	514708.33	32°24'49.432"N	103°45'26.978"W	0.15
2505.00	0.180	19.500	2504.98	-8.27	8.29	-0.51	677702.39	514708.89	32°24'49.438"N	103°45'26.977"W	0.10
2640.00	0.500	356.300	2639.97	-9.05	9.08	-0.48	677702.42	514709.68	32°24'49.446"N	103°45'26.976"W	0.25
2775.00	0.580	348.300	2774.97	-10.30	10.34	-0.66	677702.24	514710.94	32°24'49.458"N	103°45'26.978"W	0.08
2911.00	0.570	270.700	2910.96	-10.95	11.02	-1.47	677701.43	514711.62	32°24'49.465"N	103°45'26.988"W	0.53
3181.00	0.730	267.300	3180.95	-10.76	10.96	-4.53	677698.37	514711.56	32°24'49.464"N	103°45'27.023"W	0.06
3316.00	0.240	168.700	3315.94	-10.41	10.64	-5.34	677697.56	514711.24	32°24'49.461"N	103°45'27.033"W	0.59
3497.00	1.000	136.000	3496.93	-8.96	9.13	-4.17	677698.73	514709.73	32°24'49.446"N	103°45'27.019"W	0.45
3722.00	0.900	116.200	3721.90	-6.88	6.94	-1.22	677701.68	514707.54	32°24'49.425"N	103°45'26.985"W	0.15



Actual Wellpath Report

10 Fed No. 5 AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	OXY Permian	Slot	Lost Tank 10 Fed No. 5
Area	Eddy County, NM	Well	10 Fed No. 5
Field	Lost Tank	Wellbore	10 Fed No. 5 AWB
Facility	Lost Tank Pad A		

WELLPATH DATA (101 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	DLS [°/100ft]
3857.00	1.450	111.100	3856.87	-5.90	5.85	1.33	677704.23	514706.45	32°24'49.414"N	103°45'26.955"W	0.41
3993.00	1.170	108.100	3992.84	-4.97	4.80	4.25	677707.15	514705.40	32°24'49.403"N	103°45'26.921"W	0.21
4062.00	1.150	104.400	4061.82	-4.63	4.41	5.59	677708.49	514705.01	32°24'49.399"N	103°45'26.906"W	0.11
4181.00	1.300	58.300	4180.80	-5.14	4.83	7.90	677710.80	514705.43	32°24'49.403"N	103°45'26.879"W	0.81
4226.00	1.200	84.400	4225.79	-5.49	5.14	8.80	677711.70	514705.74	32°24'49.406"N	103°45'26.868"W	1.27
4271.00	1.100	134.700	4270.78	-5.26	4.88	9.58	677712.48	514705.48	32°24'49.404"N	103°45'26.859"W	2.18
4316.00	2.000	170.600	4315.76	-4.20	3.80	10.01	677712.91	514704.40	32°24'49.393"N	103°45'26.854"W	2.85
4361.00	2.900	170.700	4360.72	-2.32	1.91	10.32	677713.22	514702.51	32°24'49.374"N	103°45'26.851"W	2.00
4406.00	3.300	178.300	4405.66	0.09	-0.51	10.55	677713.45	514700.09	32°24'49.350"N	103°45'26.848"W	1.27
4451.00	4.000	177.900	4450.56	-2.94	-3.38	10.64	677713.54	514697.22	32°24'49.322"N	103°45'26.847"W	1.56
4496.00	4.800	178.900	4495.43	6.39	-6.83	10.74	677713.64	514693.77	32°24'49.288"N	103°45'26.846"W	1.79
4542.00	5.400	180.500	4541.25	10.47	-10.92	10.75	677713.65	514689.69	32°24'49.247"N	103°45'26.846"W	1.34
4587.00	6.700	176.800	4586.00	15.20	-15.65	10.88	677713.78	514684.95	32°24'49.200"N	103°45'26.845"W	3.01
4632.00	7.600	178.800	4630.65	20.79	-21.25	11.09	677713.99	514679.35	32°24'49.145"N	103°45'26.843"W	2.07
4677.00	9.000	179.500	4675.17	27.27	-27.75	11.18	677714.08	514672.86	32°24'49.081"N	103°45'26.842"W	3.12
4722.00	9.200	176.300	4719.61	34.37	-34.86	11.45	677714.35	514665.75	32°24'49.010"N	103°45'26.840"W	1.21
4767.00	9.800	177.800	4763.99	41.76	-42.27	11.83	677714.73	514658.33	32°24'48.937"N	103°45'26.836"W	1.44
4812.00	10.700	179.300	4808.27	49.75	-50.28	12.02	677714.92	514650.33	32°24'48.858"N	103°45'26.834"W	2.09
4857.00	12.200	177.900	4852.38	58.66	-59.21	12.25	677715.15	514641.40	32°24'48.769"N	103°45'26.832"W	3.39
4902.00	13.000	177.700	4896.29	68.45	-69.01	12.63	677715.53	514631.59	32°24'48.672"N	103°45'26.828"W	1.78
4947.00	13.700	178.500	4940.08	78.81	-79.40	12.97	677715.87	514621.21	32°24'48.569"N	103°45'26.825"W	1.61
4992.00	14.600	179.600	4983.71	89.79	-90.40	13.15	677716.05	514610.21	32°24'48.461"N	103°45'26.823"W	2.09
5037.00	15.200	179.300	5027.20	101.35	-101.97	13.26	677716.16	514598.64	32°24'48.346"N	103°45'26.823"W	1.34
5083.00	15.700	180.500	5071.53	113.59	-114.22	13.28	677716.18	514586.38	32°24'48.225"N	103°45'26.823"W	1.29
5128.00	16.000	181.600	5114.82	125.88	-126.51	13.05	677715.95	514574.10	32°24'48.103"N	103°45'26.827"W	0.94
5173.00	16.800	181.600	5157.99	138.59	-139.21	12.70	677715.60	514561.40	32°24'47.978"N	103°45'26.832"W	1.78
5218.00	17.700	183.200	5200.97	151.93	-152.54	12.14	677715.03	514548.07	32°24'47.846"N	103°45'26.839"W	2.26
5263.00	18.700	182.700	5243.72	165.98	-166.58	11.41	677714.31	514534.03	32°24'47.707"N	103°45'26.848"W	2.25
5308.00	19.600	183.500	5286.23	180.74	-181.32	10.61	677713.51	514519.29	32°24'47.561"N	103°45'26.859"W	2.08
5353.00	20.700	183.600	5328.47	196.24	-196.79	9.65	677712.55	514503.82	32°24'47.408"N	103°45'26.871"W	2.45



Actual Wellpath Report

10 Fed No. 5 AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	OXY Permian	Slot	Lost Tank 10 Fed No. 5
Area	Eddy County, NM	Well	10 Fed No. 5
Field	Lost Tank	Wellbore	10 Fed No. 5 AWB
Facility	Lost Tank Pad A		

WELLPATH DATA (101 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	DLS [°/100ft]
5398.00	21.900	183.500	5370.40	212.58	-213.10	8.64	677711.54	514487.51	32°24'47.247"N	103°45'26.884"W	2.67
5444.00	22.700	182.500	5412.96	230.04	-230.53	7.73	677710.63	514470.08	32°24'47.074"N	103°45'26.895"W	1.92
5489.00	23.500	183.500	5454.35	247.69	-248.16	6.80	677709.70	514452.45	32°24'46.900"N	103°45'26.907"W	1.98
5534.00	24.300	183.900	5495.49	265.91	-266.36	5.63	677708.53	514434.26	32°24'46.720"N	103°45'26.922"W	1.81
5579.00	25.400	182.000	5536.32	284.82	-285.24	4.66	677707.56	514415.38	32°24'46.533"N	103°45'26.935"W	3.02
5624.00	26.900	181.800	5576.71	304.65	-305.06	4.00	677706.90	514395.56	32°24'46.337"N	103°45'26.944"W	3.34
5669.00	28.300	182.300	5616.59	325.50	-325.90	3.26	677706.16	514374.72	32°24'46.131"N	103°45'26.954"W	3.15
5714.00	28.800	181.500	5656.12	347.01	-347.39	2.54	677705.44	514353.23	32°24'45.918"N	103°45'26.963"W	1.40
5805.00	28.700	182.700	5735.90	390.77	-391.13	0.94	677703.84	514309.49	32°24'45.486"N	103°45'26.985"W	0.64
5895.00	28.400	182.400	5814.96	433.79	-434.10	-0.97	677701.93	514266.53	32°24'45.060"N	103°45'27.010"W	0.37
5985.00	28.800	181.600	5893.98	476.87	-477.15	-2.48	677700.42	514223.47	32°24'44.635"N	103°45'27.030"W	0.62
6075.00	27.800	183.200	5973.22	519.53	-519.78	-4.25	677698.65	514180.85	32°24'44.213"N	103°45'27.053"W	1.39
6164.00	27.900	184.800	6051.91	561.09	-561.25	-7.15	677695.75	514139.38	32°24'43.803"N	103°45'27.090"W	0.85
6254.00	28.700	183.700	6131.16	603.73	-603.80	-10.31	677692.59	514096.83	32°24'43.382"N	103°45'27.129"W	1.06
6345.00	28.800	184.800	6210.94	647.47	-647.45	-13.55	677689.35	514053.19	32°24'42.950"N	103°45'27.170"W	0.59
6435.00	29.200	185.400	6289.66	691.05	-690.91	-17.43	677685.47	514009.73	32°24'42.520"N	103°45'27.218"W	0.55
6525.00	28.800	185.800	6368.37	734.61	-734.33	-21.69	677681.21	513966.31	32°24'42.091"N	103°45'27.270"W	0.49
6615.00	28.800	187.600	6447.24	777.84	-777.39	-26.75	677676.15	513923.25	32°24'41.665"N	103°45'27.332"W	0.96
6705.00	28.900	185.900	6526.07	821.13	-820.51	-31.85	677671.05	513880.13	32°24'41.239"N	103°45'27.394"W	0.92
6796.00	29.200	185.400	6605.62	865.24	-864.48	-36.20	677666.70	513836.16	32°24'40.804"N	103°45'27.448"W	0.42
6886.00	27.500	186.700	6684.83	907.88	-906.98	-40.69	677662.21	513793.67	32°24'40.383"N	103°45'27.503"W	2.01
6976.00	27.800	184.000	6764.55	949.58	-948.56	-44.58	677658.32	513752.10	32°24'39.972"N	103°45'27.551"W	1.43
7066.00	28.500	182.300	6843.91	992.03	-990.95	-46.91	677656.00	513709.71	32°24'39.553"N	103°45'27.581"W	1.18
7156.00	28.900	182.100	6922.85	1035.25	-1034.14	-48.56	677654.34	513666.52	32°24'39.126"N	103°45'27.603"W	0.46
7247.00	29.100	180.100	7002.44	1079.36	-1078.24	-49.41	677653.49	513622.42	32°24'38.689"N	103°45'27.615"W	1.09
7337.00	29.100	178.100	7081.08	1123.05	-1122.00	-48.72	677654.18	513578.66	32°24'38.256"N	103°45'27.610"W	1.08
7427.00	28.500	178.900	7159.95	1166.31	-1165.34	-47.58	677655.32	513535.32	32°24'37.827"N	103°45'27.599"W	0.79
7518.00	28.200	179.000	7240.04	1209.45	-1208.55	-46.79	677656.11	513492.12	32°24'37.400"N	103°45'27.593"W	0.33
7608.00	28.900	178.400	7319.09	1252.38	-1251.55	-45.81	677657.09	513449.12	32°24'36.974"N	103°45'27.584"W	0.84
7698.00	30.300	179.700	7397.35	1296.76	-1295.99	-45.09	677657.82	513404.68	32°24'36.534"N	103°45'27.578"W	1.71



Actual Wellpath Report

10 Fed No. 5 AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	OXY Permian	Slot	Lost Tank 10 Fed No. 5
Area	Eddy County, NM	Well	10 Fed No. 5
Field	Lost Tank	Wellbore	10 Fed No. 5 AWB
Facility	Lost Tank Pad A		

WELLPATH DATA (101 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	DLS [°/100ft]
7788.00	29.200	180.000	7475.48	1341.37	-1340.65	-44.97	677657.93	513360.02	32°24'36.092"N	103°45'27.580"W	1.23
7878.00	30.100	181.200	7553.70	1385.88	-1385.17	-45.44	677657.46	513315.51	32°24'35.652"N	103°45'27.588"W	1.20
7969.00	28.700	181.500	7632.98	1430.54	-1429.83	-46.49	677656.41	513270.85	32°24'35.210"N	103°45'27.603"W	1.55
8059.00	28.500	182.700	7712.00	1473.62	-1472.88	-48.07	677654.83	513227.80	32°24'34.784"N	103°45'27.624"W	0.68
8149.00	28.300	184.200	7791.17	1516.42	-1515.61	-50.64	677652.26	513185.08	32°24'34.362"N	103°45'27.657"W	0.82
8239.00	28.100	185.800	7870.48	1558.89	-1557.97	-54.35	677648.56	513142.72	32°24'33.943"N	103°45'27.703"W	0.87
8329.00	27.100	184.400	7950.24	1600.54	-1599.50	-58.06	677644.84	513101.19	32°24'33.532"N	103°45'27.749"W	1.32
8420.00	27.700	184.600	8031.03	1642.39	-1641.25	-61.35	677641.56	513059.45	32°24'33.119"N	103°45'27.790"W	0.67
8510.00	26.100	184.500	8111.29	1683.07	-1681.84	-64.58	677638.32	513018.86	32°24'32.717"N	103°45'27.830"W	1.78
8622.00	22.100	185.500	8213.51	1728.74	-1727.39	-68.53	677634.37	512973.31	32°24'32.267"N	103°45'27.879"W	3.59
8675.00	22.100	185.500	8262.61	1748.65	-1747.23	-70.44	677632.46	512953.46	32°24'32.071"N	103°45'27.903"W	0.00

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
10 No. 5 BC A		7887.00	-1588.98	-63.60	677639.30	513111.71	32°24'33.636"N	103°45'27.813"W	point
10 No. 5 BS		8162.00	-1736.20	-69.50	677633.40	512964.50	32°24'32.180"N	103°45'27.891"W	point

WELLPATH COMPOSITION Ref Wellbore: 10 Fed No. 5 AWB Ref Wellpath: 10 Fed No. 5 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
16.50	617.00	Generic gyro - continuous (Standard)	GYRO (100 - 617)	10 Fed No. 5 AWB
617.00	8622.00	NaviTrak (Standard)	MWD (716 - 8622)	10 Fed No. 5 AWB
8622.00	8675.00	Blind Drilling (std)	Projection to bit	10 Fed No. 5 AWB