

Submit 1 Copy To Appropriate District Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

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

WELL API NO.

30-015-44518

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name
TURKEY TRACK 4 3 STATE

8. Well Number 34H

9. OGRID Number 192462

10. Pool name or Wildcat
TURKEY TRACK; BONE SPRING

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐ **NM OIL CONSERVATION ARTESIA DISTRICT**

2. Name of Operator

OXY USA WTP LP

3. Address of Operator

PO BOX 4294, HOUSTON, TX 77210

4. Well Location

Unit Letter L 1625 feet from the SOUTH line and 360 feet from the WEST line

Section 4 Township 19S Range 29E NMPM County EDDY

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3405' GR

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☒
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐
CLOSED-LOOP SYSTEM ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

OXY USA WTP LP respectfully requests to change the well number of the Turkey Track 4 3 State #34H, API No. 30-015-44518, to the Turkey Track 4 3 State #24H and amend the APD with the following changes:

1. Change target formation from 3rd Bone Spring Sand to 2nd Bone Spring Sand. New plat and directional plan are attached.
2. Amend casing and cementing details to accommodate new target.

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE:

TITLE: REGULATORY SPECIALIST DATE: 05/16/2018

Type or print name: SARAH CHAPMAN E-mail address: SARAH.CHAPMAN@OXY.COM PHONE: 713-350-4997

For State Use Only

APPROVED BY:

TITLE:

DATE:

Conditions of Approval (if any):

**NM OIL CONSERVATION
ARTESIA DISTRICT**

MAY 16 2018

RECEIVED

Form C-102

Revised August 1, 2011

Submit one copy to appropriate
District Office

☒ **AMENDED REPORT**

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-4161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Rancho Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87503
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-44518	Pool Code 60660	Pool Name Turkey Track; Bone Spring
Property Code 318404	Property Name TURKEY TRACK "4-3" STATE	Well Number 24H
OGRID No. 192463	Operator Name OXY USA INC. WTV UP	Elevation 3404.8'

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	4	19 SOUTH	29 EAST, N.M.P.M.		1625'	SOUTH	360'	WEST	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
P	3	19 SOUTH	29 EAST, N.M.P.M.		380'	SOUTH	180'	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320	4		

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 undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well in 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. Signature: <u>Justin Morris</u> Date: <u>4-3-18</u> Printed Name: <u>Justin Morris</u> E-mail Address: <u>Justin.Morris@oxy.com</u>					
SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from the best 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: <u>JULY 12 2017</u> Signature and Seal of Professional Surveyor: <u>Tony D. Abel</u> 10/9/2017 Certificate Number: <u>15079</u> WOF 170717ML-b (NA)					

Oxy USA Inc. - Turkey Track 4-3 State 24H, API 30-015-44518

1. Casing Program

Hole Size (in)	Casing Interval		Csg. Size (in)	Weight (lbs)	Grade	Conn.	Buoyant Buoyant			
	From (ft)	To (ft)					SF Collapse	SF Burst	Body SF Tension	Joint SF Tension
17.5	0	400	13.375	54.5	J55	BTC	1.125	1.2	1.4	1.4
12.25	0	2995	9.625	36	J55	BTC	1.125	1.2	1.4	1.4
8.5	0	18136	5.5	20	P110	DQX	1.125	1.2	1.4	1.4

SF Values will meet or Exceed

2. Cementing Program

Cement volumes changed due to the change in MD.

Casing String	# Sks	Wt (lb/gal)	Yld (ft3/sack)	H2O (gal/sk)	500# Comp. Strength (hours)	Slurry Description
Surface Lead	N/A	N/A	N/A	N/A	N/A	N/A
Surface Tail	432	14.8	1.33	6.365	5:26	Class C Cement, Accelerator
Intermediate Lead	843	12.9	1.73	8.784	15:26	Pozzolan Cement, Retarder
Intermediate Tail	156	14.8	1.33	6.368	7:11	Class C Cement, Accelerator
Production Lead	879	11.9	2.24	12.327	14:46	Class H Cement, Retarder, Dispersant, Salt
Production Tail	2131	13.2	1.38	6.686	3:49	Class H Cement, Retarder, Dispersant, Salt

Casing String	Top (ft)	Bottom (ft)	% Excess
Surface Lead	N/A	N/A	N/A
Surface Tail	0	400	100%
Intermediate Lead	0	2495	100%
Intermediate Tail	2495	2995	20%
Production Lead	2495	6998	100%
Production Tail	6998	18136	15%

OXY

PRD NM DIRECTIONAL PLANS (NAD 1983)

Turkey Track 4-3 State

Turkey Track 4-3 State 24H

WB00

Plan: Permitting Plan

Standard Planning Report

12 April, 2018

Oxy Planning Report

Database:	HOPSPP	Local Co-ordinate Reference:	Well Turkey Track 4-3 State 24H
Company:	ENGINEERING DESIGNS	TVD Reference:	Datum @ 3431.30ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	Datum @ 3431.30ft
Site:	Turkey Track 4-3 State	North Reference:	Grid
Well:	Turkey Track 4-3 State 24H	Survey Calculation Method:	Minimum Curvature
Wellbore:	WB00		
Design:	Permitting Plan		

Project	PRD NM DIRECTIONAL PLANS (NAD 1983)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		Using geodetic scale factor

Site	Turkey Track 4-3 State			
Site Position:		Northing:	616,311.49 usft	Latitude: 32° 41' 38.545006 N
From:	Map	Easting:	617,286.73 usft	Longitude: 104° 5' 11.216080 W
Position Uncertainty:	50.00 ft	Slot Radius:	13.200 in	Grid Convergence: 0.13 °

Well	Turkey Track 4-3 State 24H			
Well Position	+N-S	-2,553.16 ft	Northing:	613,758.55 usft
	+E-W	-213.87 ft	Easting:	617,072.88 usft
Position Uncertainty		2.00 ft	Wellhead Elevation:	0.00 ft
			Ground Level:	3,404.80 ft

Wellbore	WB00				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	10/16/2017	7.52	60.52	48,207

Design	Permitting Plan			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N-S (ft)	+E-W (ft)	Direction (°)
	0.00	0.00	0.00	97.27

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Dogleg Rate (°/100ft)	Bulld Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,551.55	15.03	194.06	2,542.96	-95.08	-23.81	2.00	2.00	0.00	194.06	
6,747.23	15.03	194.06	6,595.09	-1,150.61	-288.10	0.00	0.00	0.00	0.00	
7,498.78	0.00	90.16	7,338.04	-1,245.69	-311.91	2.00	-2.00	0.00	180.00	TT_4-3_State_24H_
8,393.78	89.50	90.16	7,910.98	-1,247.30	256.05	10.00	10.00	0.00	90.16	
18,135.84	89.61	90.16	7,987.00	-1,275.00	9,997.77	0.00	0.00	0.00	0.00	TT_4-3_State_24H_

Oxy Planning Report

Database:	HOPSPP	Local Co-ordinate Reference:	Well Turkey Track 4-3 State 24H
Company:	ENGINEERING DESIGNS	TVD Reference:	Datum @ 3431.30ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	Datum @ 3431.30ft
Site:	Turkey Track 4-3 State	North Reference:	Grid
Well:	Turkey Track 4-3 State 24H	Survey Calculation Method:	Minimum Curvature
Wellbore:	WB00		
Design:	Permitting Plan		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	2.00	194.06	1,899.98	-1.69	-0.42	-0.21	2.00	2.00	0.00
2,000.00	4.00	194.06	1,999.84	-6.77	-1.70	-0.83	2.00	2.00	0.00
2,100.00	6.00	194.06	2,099.45	-15.22	-3.81	-1.86	2.00	2.00	0.00
2,200.00	8.00	194.06	2,198.70	-27.05	-6.77	-3.30	2.00	2.00	0.00
2,300.00	10.00	194.06	2,297.47	-42.22	-10.57	-5.15	2.00	2.00	0.00
2,400.00	12.00	194.06	2,395.62	-60.73	-15.21	-7.40	2.00	2.00	0.00
2,500.00	14.00	194.06	2,493.06	-82.55	-20.67	-10.06	2.00	2.00	0.00
2,551.55	15.03	194.06	2,542.98	-95.08	-23.81	-11.59	2.00	2.00	0.00
2,600.00	15.03	194.06	2,589.75	-107.27	-26.88	-13.07	0.00	0.00	0.00
2,700.00	15.03	194.06	2,686.33	-132.43	-33.16	-16.14	0.00	0.00	0.00
2,800.00	15.03	194.06	2,782.91	-157.59	-39.46	-19.21	0.00	0.00	0.00
2,900.00	15.03	194.06	2,879.49	-182.74	-45.76	-22.27	0.00	0.00	0.00
3,000.00	15.03	194.06	2,976.07	-207.90	-52.06	-25.34	0.00	0.00	0.00
3,100.00	15.03	194.06	3,072.64	-233.06	-58.36	-28.41	0.00	0.00	0.00
3,200.00	15.03	194.06	3,169.22	-258.22	-64.65	-31.47	0.00	0.00	0.00
3,300.00	15.03	194.06	3,265.80	-283.37	-70.95	-34.54	0.00	0.00	0.00
3,400.00	15.03	194.06	3,362.38	-308.53	-77.25	-37.60	0.00	0.00	0.00
3,500.00	15.03	194.06	3,458.96	-333.69	-83.55	-40.67	0.00	0.00	0.00
3,600.00	15.03	194.06	3,555.54	-358.84	-89.85	-43.74	0.00	0.00	0.00
3,700.00	15.03	194.06	3,652.12	-384.00	-96.15	-46.80	0.00	0.00	0.00
3,800.00	15.03	194.06	3,748.69	-409.16	-102.45	-49.87	0.00	0.00	0.00
3,900.00	15.03	194.06	3,845.27	-434.32	-108.75	-52.94	0.00	0.00	0.00
4,000.00	15.03	194.06	3,941.85	-459.47	-115.05	-56.00	0.00	0.00	0.00
4,100.00	15.03	194.06	4,038.43	-484.63	-121.35	-59.07	0.00	0.00	0.00
4,200.00	15.03	194.06	4,135.01	-509.79	-127.65	-62.13	0.00	0.00	0.00
4,300.00	15.03	194.06	4,231.59	-534.95	-133.95	-65.20	0.00	0.00	0.00
4,400.00	15.03	194.06	4,328.17	-560.10	-140.24	-68.27	0.00	0.00	0.00
4,500.00	15.03	194.06	4,424.74	-585.26	-146.54	-71.33	0.00	0.00	0.00
4,600.00	15.03	194.06	4,521.32	-610.42	-152.84	-74.40	0.00	0.00	0.00
4,700.00	15.03	194.06	4,617.90	-635.58	-159.14	-77.47	0.00	0.00	0.00
4,800.00	15.03	194.06	4,714.48	-660.73	-165.44	-80.53	0.00	0.00	0.00
4,900.00	15.03	194.06	4,811.06	-685.89	-171.74	-83.60	0.00	0.00	0.00
5,000.00	15.03	194.06	4,907.64	-711.05	-178.04	-86.67	0.00	0.00	0.00
5,100.00	15.03	194.06	5,004.22	-736.21	-184.34	-89.73	0.00	0.00	0.00
5,200.00	15.03	194.06	5,100.79	-761.36	-190.64	-92.80	0.00	0.00	0.00

Oxy Planning Report

Database:	HOPSPP	Local Co-ordinate Reference:	Well Turkey Track 4-3 State 24H
Company:	ENGINEERING DESIGNS	TVD Reference:	Datum @ 3431.30ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	Datum @ 3431.30ft
Site:	Turkey Track 4-3 State	North Reference:	Grid
Well:	Turkey Track 4-3 State 24H	Survey Calculation Method:	Minimum Curvature
Wellbore:	WB00		
Design:	Permitting Plan		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,300.00	15.03	194.06	5,197.37	-786.52	-196.94	-95.86	0.00	0.00	0.00
5,400.00	15.03	194.06	5,293.95	-811.68	-203.24	-98.93	0.00	0.00	0.00
5,500.00	15.03	194.06	5,390.53	-836.84	-209.53	-102.00	0.00	0.00	0.00
5,600.00	15.03	194.06	5,487.11	-861.99	-215.83	-105.06	0.00	0.00	0.00
5,700.00	15.03	194.06	5,583.69	-887.15	-222.13	-108.13	0.00	0.00	0.00
5,800.00	15.03	194.06	5,680.27	-912.31	-228.43	-111.20	0.00	0.00	0.00
5,900.00	15.03	194.06	5,776.84	-937.47	-234.73	-114.26	0.00	0.00	0.00
6,000.00	15.03	194.06	5,873.42	-962.62	-241.03	-117.33	0.00	0.00	0.00
6,100.00	15.03	194.06	5,970.00	-987.78	-247.33	-120.39	0.00	0.00	0.00
6,200.00	15.03	194.06	6,066.58	-1,012.94	-253.63	-123.46	0.00	0.00	0.00
6,300.00	15.03	194.06	6,163.16	-1,038.10	-259.93	-126.53	0.00	0.00	0.00
6,400.00	15.03	194.06	6,259.74	-1,063.25	-266.23	-129.59	0.00	0.00	0.00
6,500.00	15.03	194.06	6,356.32	-1,088.41	-272.53	-132.66	0.00	0.00	0.00
6,600.00	15.03	194.06	6,452.90	-1,113.57	-278.83	-135.73	0.00	0.00	0.00
6,700.00	15.03	194.06	6,549.47	-1,138.73	-285.12	-138.79	0.00	0.00	0.00
6,747.23	15.03	194.06	6,595.09	-1,150.81	-288.10	-140.24	0.00	0.00	0.00
6,800.00	13.98	194.06	6,646.18	-1,163.43	-291.31	-141.80	2.00	-2.00	0.00
6,900.00	11.98	194.06	6,743.62	-1,185.21	-296.76	-144.46	2.00	-2.00	0.00
7,000.00	9.98	194.06	6,841.78	-1,203.67	-301.39	-146.71	2.00	-2.00	0.00
7,100.00	7.98	194.06	6,940.55	-1,218.81	-305.18	-148.55	2.00	-2.00	0.00
7,200.00	5.98	194.06	7,039.81	-1,230.59	-308.13	-149.99	2.00	-2.00	0.00
7,300.00	3.98	194.06	7,139.43	-1,239.00	-310.23	-151.01	2.00	-2.00	0.00
7,400.00	1.98	194.06	7,239.29	-1,244.04	-311.49	-151.63	2.00	-2.00	0.00
7,498.78	0.00	90.16	7,338.04	-1,245.69	-311.91	-151.83	2.00	-2.00	0.00
7,500.00	0.12	90.16	7,339.27	-1,245.69	-311.91	-151.83	10.00	10.00	0.00
7,600.00	10.12	90.16	7,438.74	-1,245.71	-302.99	-142.98	10.00	10.00	0.00
7,700.00	20.12	90.16	7,535.16	-1,245.79	-276.93	-117.12	10.00	10.00	0.00
7,800.00	30.12	90.16	7,625.58	-1,245.91	-234.53	-75.05	10.00	10.00	0.00
7,900.00	40.12	90.16	7,707.27	-1,246.07	-177.07	-18.03	10.00	10.00	0.00
8,000.00	50.12	90.16	7,777.74	-1,246.27	-106.30	52.20	10.00	10.00	0.00
8,100.00	60.12	90.16	7,834.85	-1,246.51	-24.37	133.50	10.00	10.00	0.00
8,200.00	70.12	90.16	7,876.86	-1,246.76	66.24	223.41	10.00	10.00	0.00
8,300.00	80.12	90.16	7,902.51	-1,247.04	162.76	319.20	10.00	10.00	0.00
8,393.78	89.50	90.16	7,910.98	-1,247.30	256.05	411.77	10.00	10.00	0.00
8,400.00	89.50	90.16	7,911.03	-1,247.32	282.27	417.95	0.00	0.00	0.00
8,500.00	89.50	90.16	7,911.90	-1,247.80	362.27	517.17	0.00	0.00	0.00
8,600.00	89.50	90.16	7,912.77	-1,247.89	462.26	616.40	0.00	0.00	0.00
8,700.00	89.50	90.16	7,913.64	-1,248.17	562.26	715.63	0.00	0.00	0.00
8,800.00	89.50	90.16	7,914.51	-1,248.46	662.26	814.86	0.00	0.00	0.00
8,900.00	89.51	90.16	7,915.37	-1,248.74	762.25	914.09	0.00	0.00	0.00
9,000.00	89.51	90.16	7,916.23	-1,249.03	862.25	1,013.32	0.00	0.00	0.00
9,100.00	89.51	90.16	7,917.09	-1,249.31	962.24	1,112.55	0.00	0.00	0.00
9,200.00	89.51	90.16	7,917.95	-1,249.59	1,062.24	1,211.77	0.00	0.00	0.00
9,300.00	89.51	90.16	7,918.81	-1,249.88	1,162.24	1,311.00	0.00	0.00	0.00
9,400.00	89.51	90.16	7,919.66	-1,250.16	1,262.23	1,410.23	0.00	0.00	0.00
9,500.00	89.51	90.16	7,920.52	-1,250.45	1,362.23	1,509.46	0.00	0.00	0.00
9,600.00	89.51	90.16	7,921.37	-1,250.73	1,462.22	1,608.69	0.00	0.00	0.00
9,700.00	89.51	90.16	7,922.22	-1,251.02	1,562.22	1,707.92	0.00	0.00	0.00
9,800.00	89.52	90.16	7,923.06	-1,251.30	1,662.22	1,807.15	0.00	0.00	0.00
9,900.00	89.52	90.16	7,923.91	-1,251.58	1,762.21	1,906.38	0.00	0.00	0.00
10,000.00	89.52	90.16	7,924.75	-1,251.87	1,862.21	2,005.60	0.00	0.00	0.00
10,100.00	89.52	90.16	7,925.59	-1,252.15	1,962.20	2,104.83	0.00	0.00	0.00
10,200.00	89.52	90.16	7,926.43	-1,252.44	2,062.20	2,204.06	0.00	0.00	0.00
10,300.00	89.52	90.16	7,927.27	-1,252.72	2,162.20	2,303.29	0.00	0.00	0.00

Oxy Planning Report

Database:	HOPSPP	Local Co-ordinate Reference:	Well Turkey Track 4-3 State 24H
Company:	ENGINEERING DESIGNS	TVD Reference:	Datum @ 3431.30ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	Datum @ 3431.30ft
Site:	Turkey Track 4-3 State	North Reference:	Grid
Well:	Turkey Track 4-3 State 24H	Survey Calculation Method:	Minimum Curvature
Wellbore:	WB00		
Design:	Permitting Plan		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
10,400.00	89.52	90.16	7,928.10	-1,253.01	2,262.19	2,402.52	0.00	0.00	0.00
10,500.00	89.52	90.16	7,928.94	-1,253.29	2,362.19	2,501.75	0.00	0.00	0.00
10,600.00	89.52	90.16	7,929.77	-1,253.57	2,462.18	2,600.98	0.00	0.00	0.00
10,700.00	89.53	90.16	7,930.60	-1,253.86	2,562.18	2,700.21	0.00	0.00	0.00
10,800.00	89.53	90.16	7,931.43	-1,254.14	2,662.18	2,799.43	0.00	0.00	0.00
10,900.00	89.53	90.16	7,932.25	-1,254.43	2,762.17	2,898.66	0.00	0.00	0.00
11,000.00	89.53	90.16	7,933.08	-1,254.71	2,862.17	2,997.89	0.00	0.00	0.00
11,100.00	89.53	90.16	7,933.90	-1,255.00	2,962.17	3,097.12	0.00	0.00	0.00
11,200.00	89.53	90.16	7,934.72	-1,255.28	3,062.16	3,196.35	0.00	0.00	0.00
11,300.00	89.53	90.16	7,935.54	-1,255.57	3,162.16	3,295.58	0.00	0.00	0.00
11,400.00	89.53	90.16	7,936.36	-1,255.85	3,262.15	3,394.81	0.00	0.00	0.00
11,500.00	89.53	90.16	7,937.17	-1,256.13	3,362.15	3,494.04	0.00	0.00	0.00
11,600.00	89.53	90.16	7,937.98	-1,256.42	3,462.15	3,593.27	0.00	0.00	0.00
11,700.00	89.54	90.16	7,938.79	-1,256.70	3,562.14	3,692.50	0.00	0.00	0.00
11,800.00	89.54	90.16	7,939.60	-1,256.99	3,662.14	3,791.72	0.00	0.00	0.00
11,900.00	89.54	90.16	7,940.41	-1,257.27	3,762.14	3,890.95	0.00	0.00	0.00
12,000.00	89.54	90.16	7,941.22	-1,257.56	3,862.13	3,990.18	0.00	0.00	0.00
12,100.00	89.54	90.16	7,942.02	-1,257.84	3,962.13	4,089.41	0.00	0.00	0.00
12,200.00	89.54	90.16	7,942.82	-1,258.12	4,062.12	4,188.64	0.00	0.00	0.00
12,300.00	89.54	90.16	7,943.62	-1,258.41	4,162.12	4,287.87	0.00	0.00	0.00
12,400.00	89.54	90.16	7,944.42	-1,258.69	4,262.12	4,387.10	0.00	0.00	0.00
12,500.00	89.54	90.16	7,945.21	-1,258.98	4,362.11	4,486.33	0.00	0.00	0.00
12,600.00	89.55	90.16	7,946.01	-1,259.26	4,462.11	4,585.56	0.00	0.00	0.00
12,700.00	89.55	90.16	7,946.80	-1,259.55	4,562.11	4,684.79	0.00	0.00	0.00
12,800.00	89.55	90.16	7,947.59	-1,259.83	4,662.10	4,784.02	0.00	0.00	0.00
12,900.00	89.55	90.16	7,948.38	-1,260.11	4,762.10	4,883.24	0.00	0.00	0.00
13,000.00	89.55	90.16	7,949.16	-1,260.40	4,862.10	4,982.47	0.00	0.00	0.00
13,100.00	89.55	90.16	7,949.95	-1,260.68	4,962.09	5,081.70	0.00	0.00	0.00
13,200.00	89.55	90.16	7,950.73	-1,260.97	5,062.09	5,180.93	0.00	0.00	0.00
13,300.00	89.55	90.16	7,951.51	-1,261.25	5,162.09	5,280.16	0.00	0.00	0.00
13,400.00	89.55	90.16	7,952.29	-1,261.54	5,262.08	5,379.39	0.00	0.00	0.00
13,500.00	89.56	90.16	7,953.07	-1,261.82	5,362.08	5,478.62	0.00	0.00	0.00
13,600.00	89.56	90.16	7,953.84	-1,262.10	5,462.08	5,577.85	0.00	0.00	0.00
13,700.00	89.56	90.16	7,954.62	-1,262.39	5,562.07	5,677.08	0.00	0.00	0.00
13,800.00	89.56	90.16	7,955.39	-1,262.67	5,662.07	5,776.31	0.00	0.00	0.00
13,900.00	89.56	90.16	7,956.16	-1,262.96	5,762.07	5,875.54	0.00	0.00	0.00
14,000.00	89.56	90.16	7,956.92	-1,263.24	5,862.06	5,974.77	0.00	0.00	0.00
14,100.00	89.56	90.16	7,957.69	-1,263.53	5,962.06	6,074.00	0.00	0.00	0.00
14,200.00	89.56	90.16	7,958.45	-1,263.81	6,062.06	6,173.23	0.00	0.00	0.00
14,300.00	89.56	90.16	7,959.21	-1,264.09	6,162.05	6,272.46	0.00	0.00	0.00
14,400.00	89.57	90.16	7,959.97	-1,264.38	6,262.05	6,371.68	0.00	0.00	0.00
14,500.00	89.57	90.16	7,960.73	-1,264.66	6,362.05	6,470.91	0.00	0.00	0.00
14,600.00	89.57	90.16	7,961.49	-1,264.95	6,462.04	6,570.14	0.00	0.00	0.00
14,700.00	89.57	90.16	7,962.24	-1,265.23	6,562.04	6,669.37	0.00	0.00	0.00
14,800.00	89.57	90.16	7,962.99	-1,265.52	6,662.04	6,768.60	0.00	0.00	0.00
14,900.00	89.57	90.16	7,963.74	-1,265.80	6,762.03	6,867.83	0.00	0.00	0.00
15,000.00	89.57	90.16	7,964.49	-1,266.08	6,862.03	6,967.06	0.00	0.00	0.00
15,100.00	89.57	90.16	7,965.24	-1,266.37	6,962.03	7,066.29	0.00	0.00	0.00
15,200.00	89.57	90.16	7,965.98	-1,266.65	7,062.02	7,165.52	0.00	0.00	0.00
15,300.00	89.57	90.16	7,966.73	-1,266.94	7,162.02	7,264.75	0.00	0.00	0.00
15,400.00	89.58	90.16	7,967.47	-1,267.22	7,262.02	7,363.98	0.00	0.00	0.00
15,500.00	89.58	90.16	7,968.21	-1,267.51	7,362.01	7,463.21	0.00	0.00	0.00
15,600.00	89.58	90.16	7,968.94	-1,267.79	7,462.01	7,562.44	0.00	0.00	0.00
15,700.00	89.58	90.16	7,969.68	-1,268.07	7,562.01	7,661.67	0.00	0.00	0.00

Oxy Planning Report

Database:	HOPSP	Local Co-ordinate Reference:	Well Turkey Track 4-3 State 24H
Company:	ENGINEERING DESIGNS	TVD Reference:	Datum @ 3431.30ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	Datum @ 3431.30ft
Site:	Turkey Track 4-3 State	North Reference:	Grid
Well:	Turkey Track 4-3 State 24H	Survey Calculation Method:	Minimum Curvature
Wellbore:	WB00		
Design:	Permitting Plan		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
15,800.00	89.58	90.16	7,970.41	-1,288.36	7,662.00	7,760.90	0.00	0.00	0.00
15,900.00	89.58	90.16	7,971.14	-1,288.64	7,762.00	7,860.13	0.00	0.00	0.00
16,000.00	89.58	90.16	7,971.87	-1,288.93	7,862.00	7,959.36	0.00	0.00	0.00
16,100.00	89.58	90.16	7,972.60	-1,289.21	7,962.00	8,058.59	0.00	0.00	0.00
16,200.00	89.58	90.16	7,973.33	-1,289.50	8,061.99	8,157.82	0.00	0.00	0.00
16,300.00	89.59	90.16	7,974.05	-1,289.78	8,161.99	8,257.05	0.00	0.00	0.00
16,400.00	89.59	90.16	7,974.77	-1,270.06	8,261.99	8,356.28	0.00	0.00	0.00
16,500.00	89.59	90.16	7,975.49	-1,270.35	8,361.98	8,455.51	0.00	0.00	0.00
16,600.00	89.59	90.16	7,976.21	-1,270.63	8,461.98	8,554.74	0.00	0.00	0.00
16,700.00	89.59	90.16	7,976.93	-1,270.92	8,561.98	8,653.97	0.00	0.00	0.00
16,800.00	89.59	90.16	7,977.64	-1,271.20	8,661.97	8,753.20	0.00	0.00	0.00
16,900.00	89.59	90.16	7,978.35	-1,271.49	8,761.97	8,852.43	0.00	0.00	0.00
17,000.00	89.59	90.16	7,979.06	-1,271.77	8,861.97	8,951.66	0.00	0.00	0.00
17,100.00	89.59	90.16	7,979.77	-1,272.06	8,961.97	9,050.88	0.00	0.00	0.00
17,200.00	89.60	90.16	7,980.48	-1,272.34	9,061.96	9,150.11	0.00	0.00	0.00
17,300.00	89.60	90.16	7,981.18	-1,272.62	9,161.96	9,249.34	0.00	0.00	0.00
17,400.00	89.60	90.16	7,981.89	-1,272.91	9,261.96	9,348.57	0.00	0.00	0.00
17,500.00	89.60	90.16	7,982.59	-1,273.19	9,361.95	9,447.80	0.00	0.00	0.00
17,600.00	89.60	90.16	7,983.29	-1,273.48	9,461.95	9,547.03	0.00	0.00	0.00
17,700.00	89.60	90.16	7,983.98	-1,273.76	9,561.95	9,646.26	0.00	0.00	0.00
17,800.00	89.60	90.16	7,984.68	-1,274.05	9,661.95	9,745.49	0.00	0.00	0.00
17,900.00	89.60	90.16	7,985.37	-1,274.33	9,761.94	9,844.72	0.00	0.00	0.00
18,000.00	89.60	90.16	7,986.06	-1,274.61	9,861.94	9,943.95	0.00	0.00	0.00
18,100.00	89.61	90.16	7,986.75	-1,274.90	9,961.94	10,043.18	0.00	0.00	0.00
18,135.84	89.61	90.16	7,987.00	-1,275.00	9,997.77	10,078.74	0.00	0.00	0.00

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
TT_4-3_State_24H_K - hits target center - Point	0.00	0.00	7,338.04	-1,245.69	-311.91	612,512.97	616,761.00	32° 41' 0.969794 N	104° 5' 17.471021
TT_4-3_State_24H_B - plan hits target center - Point	0.00	0.00	7,987.00	-1,275.00	9,997.77	612,483.66	627,069.79	32° 41' 0.427973 N	104° 3' 16.850119

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
1,800.00	1,800.00	0.00	0.00	STEP OUT DLS 2.00
2,551.55	2,542.96	-95.08	-23.81	HOLD 15 DEG TANGENT
6,747.23	6,595.09	-1,150.61	-288.10	DROP BACK TO VERTICAL DLS 2.00
7,498.78	7,338.04	-1,245.69	-311.91	BUILD CURVE 10 DEG / 100
8,393.78	7,910.98	-1,247.30	256.05	LANDING POINT
18,135.84	7,987.00	-1,275.00	9,997.77	TD at 18135.84