

NM OIL CONSERVATION
ARTESIA DISTRICT

FEB 04 2019

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OXY

PRD NM DIRECTIONAL PLANS (NAD 1983)

Turkey Track 8-7

Turkey Track 8-7 State 201H

Wellbore #1

30.015-45681

Plan: Permitting Plan

Standard Planning Report

15 January, 2019

Oxy Planning Report

Database: HOPSPP
Company: ENGINEERING DESIGNS
Project: PRD NM DIRECTIONAL PLANS (NAD 1983)
Site: Turkey Track 8-7
Well: Turkey Track 8-7 State 201H
Wellbore: Wellbore #1
Design: Permitting Plan

Local Co-ordinate Reference: Well Turkey Track 8-7 State 201H
TVD Reference: RKB=26.5' @ 3422.80ft
MD Reference: RKB=26.5' @ 3422.80ft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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)
10,300.00	91.22	270.36	7,837.67	746.94	-2,557.96	2,606.11	0.00	0.00	0.00
10,400.00	91.22	270.36	7,835.55	747.57	-2,657.93	2,705.86	0.00	0.00	0.00
10,500.00	91.22	270.36	7,833.43	748.20	-2,757.91	2,805.61	0.00	0.00	0.00
10,600.00	91.22	270.36	7,831.31	748.83	-2,857.88	2,905.36	0.00	0.00	0.00
10,700.00	91.22	270.36	7,829.18	749.46	-2,957.86	3,005.11	0.00	0.00	0.00
10,800.00	91.22	270.36	7,827.06	750.10	-3,057.83	3,104.86	0.00	0.00	0.00
10,900.00	91.22	270.36	7,824.94	750.73	-3,157.81	3,204.61	0.00	0.00	0.00
11,000.00	91.22	270.36	7,822.82	751.36	-3,257.78	3,304.36	0.00	0.00	0.00
11,100.00	91.22	270.36	7,820.69	751.99	-3,357.76	3,404.11	0.00	0.00	0.00
11,200.00	91.22	270.36	7,818.57	752.63	-3,457.73	3,503.86	0.00	0.00	0.00
11,300.00	91.22	270.36	7,816.45	753.26	-3,557.71	3,603.61	0.00	0.00	0.00
11,400.00	91.22	270.36	7,814.33	753.89	-3,657.69	3,703.36	0.00	0.00	0.00
11,500.00	91.22	270.36	7,812.20	754.52	-3,757.66	3,803.11	0.00	0.00	0.00
11,600.00	91.22	270.36	7,810.08	755.16	-3,857.64	3,902.86	0.00	0.00	0.00
11,700.00	91.22	270.36	7,807.96	755.79	-3,957.61	4,002.60	0.00	0.00	0.00
11,800.00	91.22	270.36	7,805.84	756.42	-4,057.59	4,102.35	0.00	0.00	0.00
11,900.00	91.22	270.36	7,803.71	757.05	-4,157.56	4,202.10	0.00	0.00	0.00
12,000.00	91.22	270.36	7,801.59	757.69	-4,257.54	4,301.85	0.00	0.00	0.00
12,100.00	91.22	270.36	7,799.47	758.32	-4,357.51	4,401.60	0.00	0.00	0.00
12,200.00	91.22	270.36	7,797.35	758.95	-4,457.49	4,501.35	0.00	0.00	0.00
12,300.00	91.22	270.36	7,795.22	759.58	-4,557.46	4,601.10	0.00	0.00	0.00
12,400.00	91.22	270.36	7,793.10	760.22	-4,657.44	4,700.85	0.00	0.00	0.00
12,500.00	91.22	270.36	7,790.98	760.85	-4,757.42	4,800.60	0.00	0.00	0.00
12,600.00	91.22	270.36	7,788.86	761.48	-4,857.39	4,900.35	0.00	0.00	0.00
12,700.00	91.22	270.36	7,786.73	762.11	-4,957.37	5,000.10	0.00	0.00	0.00
12,800.00	91.22	270.36	7,784.61	762.75	-5,057.34	5,099.85	0.00	0.00	0.00
12,900.00	91.22	270.36	7,782.49	763.38	-5,157.32	5,199.60	0.00	0.00	0.00
13,000.00	91.22	270.36	7,780.37	764.01	-5,257.29	5,299.35	0.00	0.00	0.00
13,100.00	91.22	270.36	7,778.24	764.64	-5,357.27	5,399.10	0.00	0.00	0.00
13,200.00	91.22	270.36	7,776.12	765.27	-5,457.24	5,498.85	0.00	0.00	0.00
13,300.00	91.22	270.36	7,774.00	765.91	-5,557.22	5,598.60	0.00	0.00	0.00
13,400.00	91.22	270.36	7,771.88	766.54	-5,657.19	5,698.34	0.00	0.00	0.00
13,500.00	91.22	270.36	7,769.75	767.17	-5,757.17	5,798.09	0.00	0.00	0.00
13,600.00	91.22	270.36	7,767.63	767.80	-5,857.15	5,897.84	0.00	0.00	0.00
13,700.00	91.22	270.36	7,765.51	768.44	-5,957.12	5,997.59	0.00	0.00	0.00
13,800.00	91.22	270.36	7,763.39	769.07	-6,057.10	6,097.34	0.00	0.00	0.00
13,900.00	91.22	270.36	7,761.26	769.70	-6,157.07	6,197.09	0.00	0.00	0.00
14,000.00	91.22	270.36	7,759.14	770.33	-6,257.05	6,296.84	0.00	0.00	0.00
14,100.00	91.22	270.36	7,757.02	770.97	-6,357.02	6,396.59	0.00	0.00	0.00
14,200.00	91.22	270.36	7,754.90	771.60	-6,457.00	6,496.34	0.00	0.00	0.00
14,300.00	91.22	270.36	7,752.77	772.23	-6,556.97	6,596.09	0.00	0.00	0.00
14,400.00	91.22	270.36	7,750.65	772.86	-6,656.95	6,695.84	0.00	0.00	0.00
14,500.00	91.22	270.36	7,748.53	773.50	-6,756.93	6,795.59	0.00	0.00	0.00
14,600.00	91.22	270.36	7,746.41	774.13	-6,856.90	6,895.34	0.00	0.00	0.00
14,700.00	91.22	270.36	7,744.28	774.76	-6,956.88	6,995.09	0.00	0.00	0.00
14,800.00	91.22	270.36	7,742.16	775.39	-7,056.85	7,094.84	0.00	0.00	0.00
14,900.00	91.22	270.36	7,740.04	776.03	-7,156.83	7,194.59	0.00	0.00	0.00
15,000.00	91.22	270.36	7,737.92	776.66	-7,256.80	7,294.34	0.00	0.00	0.00
15,100.00	91.22	270.36	7,735.79	777.29	-7,356.78	7,394.08	0.00	0.00	0.00
15,200.00	91.22	270.36	7,733.67	777.92	-7,456.75	7,493.83	0.00	0.00	0.00
15,300.00	91.22	270.36	7,731.55	778.55	-7,556.73	7,593.58	0.00	0.00	0.00
15,400.00	91.22	270.36	7,729.43	779.19	-7,656.70	7,693.33	0.00	0.00	0.00
15,500.00	91.22	270.36	7,727.30	779.82	-7,756.68	7,793.08	0.00	0.00	0.00
15,600.00	91.22	270.36	7,725.18	780.45	-7,856.66	7,892.83	0.00	0.00	0.00

Oxy Planning Report

Database:	HOPSPP	Local Co-ordinate Reference:	Well Turkey Track 8-7 State 201H
Company:	ENGINEERING DESIGNS	TVD Reference:	RKB=26.5' @ 3422.80ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	RKB=26.5' @ 3422.80ft
Site:	Turkey Track 8-7	North Reference:	Grid
Well:	Turkey Track 8-7 State 201H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
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)
15,700.00	91.22	270.36	7,723.06	781.08	-7,956.63	7,992.58	0.00	0.00	0.00
15,800.00	91.22	270.36	7,720.94	781.72	-8,056.61	8,092.33	0.00	0.00	0.00
15,900.00	91.22	270.36	7,718.81	782.35	-8,156.58	8,192.08	0.00	0.00	0.00
16,000.00	91.22	270.36	7,716.69	782.98	-8,256.56	8,291.83	0.00	0.00	0.00
16,100.00	91.22	270.36	7,714.57	783.61	-8,356.53	8,391.58	0.00	0.00	0.00
16,200.00	91.22	270.36	7,712.45	784.25	-8,456.51	8,491.33	0.00	0.00	0.00
16,300.00	91.22	270.36	7,710.32	784.88	-8,556.48	8,591.08	0.00	0.00	0.00
16,400.00	91.22	270.36	7,708.20	785.51	-8,656.46	8,690.83	0.00	0.00	0.00
16,500.00	91.22	270.36	7,706.08	786.14	-8,756.43	8,790.58	0.00	0.00	0.00
16,600.00	91.22	270.36	7,703.96	786.78	-8,856.41	8,890.33	0.00	0.00	0.00
16,700.00	91.22	270.36	7,701.83	787.41	-8,956.39	8,990.08	0.00	0.00	0.00
16,800.00	91.22	270.36	7,699.71	788.04	-9,056.36	9,089.82	0.00	0.00	0.00
16,900.00	91.22	270.36	7,697.59	788.67	-9,156.34	9,189.57	0.00	0.00	0.00
17,000.00	91.22	270.36	7,695.47	789.31	-9,256.31	9,289.32	0.00	0.00	0.00
17,100.00	91.22	270.36	7,693.35	789.94	-9,356.29	9,389.07	0.00	0.00	0.00
17,200.00	91.22	270.36	7,691.22	790.57	-9,456.26	9,488.82	0.00	0.00	0.00
17,300.00	91.22	270.36	7,689.10	791.20	-9,556.24	9,588.57	0.00	0.00	0.00
17,400.00	91.22	270.36	7,686.98	791.84	-9,656.21	9,688.32	0.00	0.00	0.00
17,500.00	91.22	270.36	7,684.86	792.47	-9,756.19	9,788.07	0.00	0.00	0.00
17,600.00	91.22	270.36	7,682.73	793.10	-9,856.16	9,887.82	0.00	0.00	0.00
17,700.00	91.22	270.36	7,680.61	793.73	-9,956.14	9,987.57	0.00	0.00	0.00
17,800.00	91.22	270.36	7,678.49	794.36	-10,056.12	10,087.32	0.00	0.00	0.00
17,900.00	91.22	270.36	7,676.37	795.00	-10,156.09	10,187.07	0.00	0.00	0.00
18,000.00	91.22	270.36	7,674.24	795.63	-10,256.07	10,286.82	0.00	0.00	0.00
18,100.00	91.22	270.36	7,672.12	796.26	-10,356.04	10,386.57	0.00	0.00	0.00
18,200.00	91.22	270.36	7,670.00	796.89	-10,456.02	10,486.32	0.00	0.00	0.00
18,300.00	91.22	270.36	7,667.88	797.53	-10,555.99	10,586.07	0.00	0.00	0.00
18,400.00	91.22	270.36	7,665.75	798.16	-10,655.97	10,685.81	0.00	0.00	0.00
18,500.00	91.22	270.36	7,663.63	798.79	-10,755.94	10,785.56	0.00	0.00	0.00
18,539.12	91.22	270.36	7,662.80	799.04	-10,795.05	10,824.58	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
PBHL (Turkey Track - hit/miss target - Shape - Point)	0.00	0.00	7,662.80	799.04	-10,795.05	611,818.73	606,389.17	32° 40' 54.320922 N	104° 7' 18.847029
FTP (Turkey Track 8-7 - plan hits target center - Point)	0.00	0.00	7,879.80	734.38	-573.64	611,754.08	616,609.70	32° 40' 53.463842 N	104° 5' 19.261840



Project: PRD NM DIRECTIONAL PLANS (NAD 1983)
 Site: Turkey Track 8-7
 Well: Turkey Track 8-7 State 201H
 Wellbore: Wellbore #1
 Design: Permitting Plan

PROJECT DETAILS: NM DIRECTIONAL PLANS (NAD 1983)

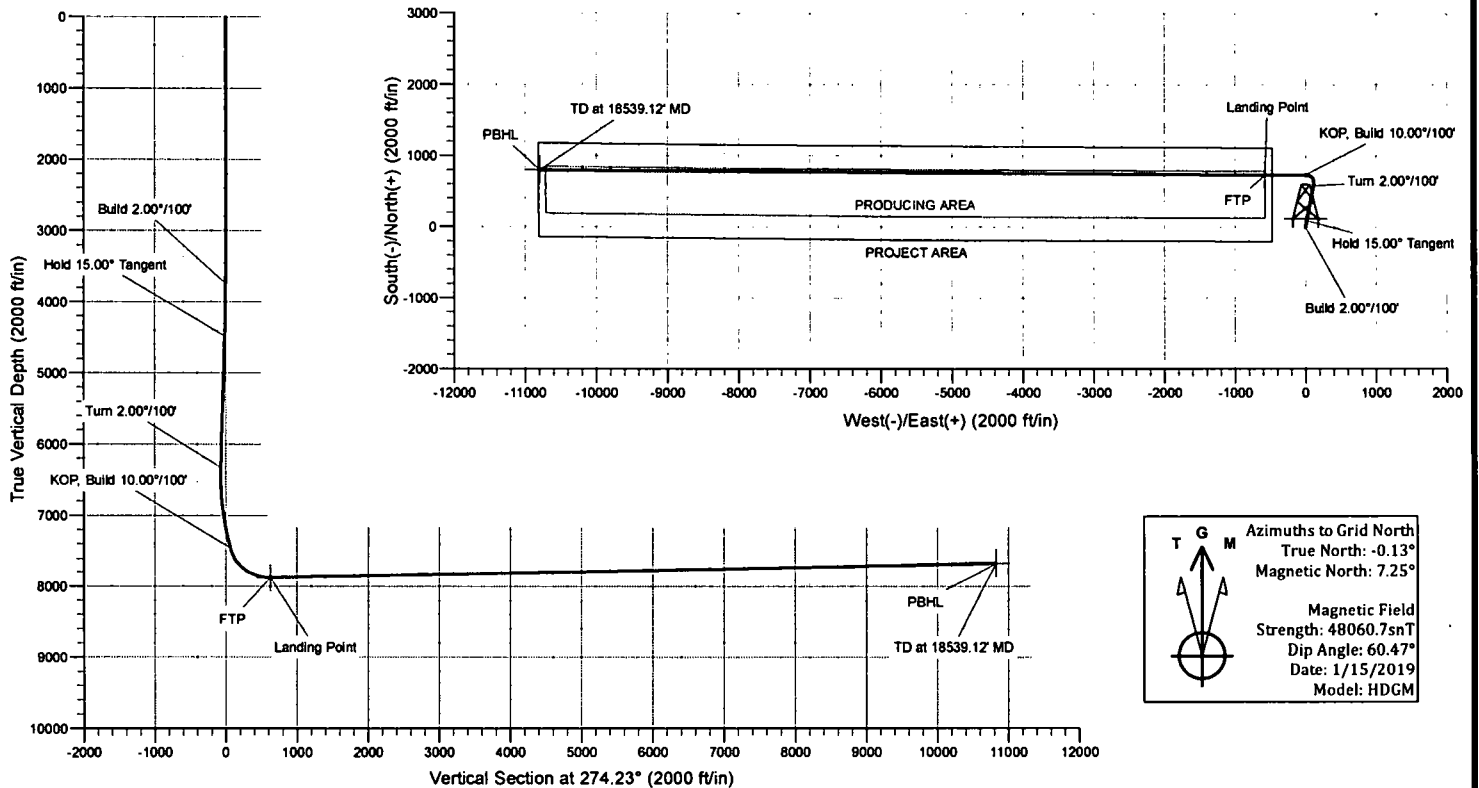
Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: New Mexico Eastern Zone
 System Datum: Mean Sea Level

SECTION DETAILS

MD	Inc	Azi	TVD	+N/S	+E/W	Diag	TFace	VSeal	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
3740.00	0.00	0.00	3740.00	0.00	0.00	0.00	0.00	0.00	Build 2.00°/100'
4480.02	15.00	11.07	4481.49	95.81	18.74	2.00	11.07	-11.61	Hold 15.00° Tangent
6403.51	15.00	11.07	6329.77	98.86	113.79	0.00	0.00	-70.53	Turn 2.00°/100'
7553.04	15.00	270.36	7553.26	730.61	-8.06	2.00	-130.37	61.98	KOP: Build 10.00°/100'
8315.20	91.22	270.36	7879.80	734.38	-573.64	10.00	0.00	625.28	Landing Point
18539.12	91.22	270.36	7882.80	799.04	-10795.05	0.00	0.00	10824.58	TD at 18539.12 MD

WELL DETAILS Turkey Track 8-7 State 201H

+N/S	+E/W	Ground Level	3396.30	Latitude	Longitude
0.00	0.00	North	611019.76	32° 40' 46.184422 N	104° 5' 12.570443 W



T G M
 Azimuths to Grid North
 True North: -0.13°
 Magnetic North: 7.25°
 Magnetic Field
 Strength: 48060.7nT
 Dip Angle: 60.47°
 Date: 1/15/2019
 Model: HDGM