

OXY

PRD NM DIRECTIONAL PLANS (NAD 1983)

CORRAL FLY 02-01 STATE

CORRAL FLY 02-01 STATE 24H

30.015-44510

WB00

Plan: Permitting Plan

Standard Planning Report

27 September, 2017

Oxy

Planning Report

Database: HOPSPP
Company: ENGINEERING DESIGNS
Project: PRD NM DIRECTIONAL PLANS (NAD 1983)
Site: CORRAL FLY 02-01 STATE
Well: CORRAL FLY 02-01 STATE 24H
Wellbore: WB00
Design: Permitting Plan

Local Co-ordinate Reference: Well CORRAL FLY 02-01 STATE 24H
TVD Reference: Datum @ 3052.90ft
MD Reference: Datum @ 3052.90ft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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	

SiteCORRAL FLY 02-01 STATE

Site Position:

From:Map

Position Uncertainty:0.00 ft

Northing:423,287.19 usft

Easting:655,836.97 usft

Slot Radius:13.200 in

Latitude:32° 9' 47.353015 N

Longitude:103° 57' 47.917362 W

Grid Convergence:0.20 °

Well	CORRAL FLY 02-01 STATE 24H					
Well Position	+N/-S	-2,793.96 ft	Northing:	420,493.45 usft	Latitude:	32° 9' 19.696039 N
	+E/-W	300.64 ft	Easting:	656,137.59 usft	Longitude:	103° 57' 44.532033 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	0.00 ft	Ground Level:	3,026.40 ft

Wellbore	WB00				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	9/27/2017	7.03	59.92	48,065

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	84.03

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build 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	
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,623.82	10.48	339.40	2,620.90	44.70	-16.80	2.00	2.00	0.00	339.40	
7,882.72	10.48	339.40	7,792.14	939.77	-353.28	0.00	0.00	0.00	0.00	
8,406.53	0.00	89.65	8,313.04	984.47	-370.09	2.00	-2.00	0.00	180.00	CF_02-01_STATE_
9,296.04	88.95	89.65	8,885.90	987.86	192.36	10.00	10.00	0.00	89.65	
19,111.25	89.03	89.65	9,059.00	1,046.99	10,005.87	0.00	0.00	0.00	0.00	CF_02-01_STATE_

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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	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	2.00	339.40	2,199.98	1.63	-0.61	-0.44	2.00	2.00	0.00
2,300.00	4.00	339.40	2,299.84	6.53	-2.46	-1.76	2.00	2.00	0.00
2,400.00	6.00	339.40	2,399.45	14.69	-5.52	-3.96	2.00	2.00	0.00
2,500.00	8.00	339.40	2,498.70	26.10	-9.81	-7.04	2.00	2.00	0.00
2,600.00	10.00	339.40	2,597.47	40.74	-15.31	-10.99	2.00	2.00	0.00
2,623.82	10.48	339.40	2,620.90	44.70	-16.80	-12.06	2.00	2.00	0.00
2,700.00	10.48	339.40	2,695.82	57.67	-21.68	-15.56	0.00	0.00	0.00
2,800.00	10.48	339.40	2,794.15	74.69	-28.08	-20.15	0.00	0.00	0.00
2,900.00	10.48	339.40	2,892.48	91.71	-34.48	-24.74	0.00	0.00	0.00
3,000.00	10.48	339.40	2,990.82	108.73	-40.87	-29.34	0.00	0.00	0.00
3,100.00	10.48	339.40	3,089.15	125.75	-47.27	-33.93	0.00	0.00	0.00
3,200.00	10.48	339.40	3,187.48	142.77	-53.67	-38.52	0.00	0.00	0.00
3,300.00	10.48	339.40	3,285.81	159.79	-60.07	-43.11	0.00	0.00	0.00
3,400.00	10.48	339.40	3,384.15	176.81	-66.47	-47.71	0.00	0.00	0.00
3,500.00	10.48	339.40	3,482.48	193.83	-72.87	-52.30	0.00	0.00	0.00
3,600.00	10.48	339.40	3,580.81	210.85	-79.26	-56.89	0.00	0.00	0.00
3,700.00	10.48	339.40	3,679.15	227.87	-85.66	-61.48	0.00	0.00	0.00
3,800.00	10.48	339.40	3,777.48	244.89	-92.06	-66.07	0.00	0.00	0.00
3,900.00	10.48	339.40	3,875.81	261.91	-98.46	-70.67	0.00	0.00	0.00
4,000.00	10.48	339.40	3,974.15	278.93	-104.86	-75.26	0.00	0.00	0.00
4,100.00	10.48	339.40	4,072.48	295.95	-111.26	-79.85	0.00	0.00	0.00
4,200.00	10.48	339.40	4,170.81	312.97	-117.65	-84.44	0.00	0.00	0.00
4,300.00	10.48	339.40	4,269.14	329.99	-124.05	-89.04	0.00	0.00	0.00
4,400.00	10.48	339.40	4,367.48	347.01	-130.45	-93.63	0.00	0.00	0.00
4,500.00	10.48	339.40	4,465.81	364.03	-136.85	-98.22	0.00	0.00	0.00
4,600.00	10.48	339.40	4,564.14	381.05	-143.25	-102.81	0.00	0.00	0.00
4,700.00	10.48	339.40	4,662.48	398.07	-149.64	-107.41	0.00	0.00	0.00
4,800.00	10.48	339.40	4,760.81	415.09	-156.04	-112.00	0.00	0.00	0.00
4,900.00	10.48	339.40	4,859.14	432.11	-162.44	-116.59	0.00	0.00	0.00
5,000.00	10.48	339.40	4,957.48	449.13	-168.84	-121.18	0.00	0.00	0.00
5,100.00	10.48	339.40	5,055.81	466.15	-175.24	-125.77	0.00	0.00	0.00
5,200.00	10.48	339.40	5,154.14	483.17	-181.64	-130.37	0.00	0.00	0.00