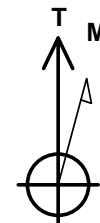


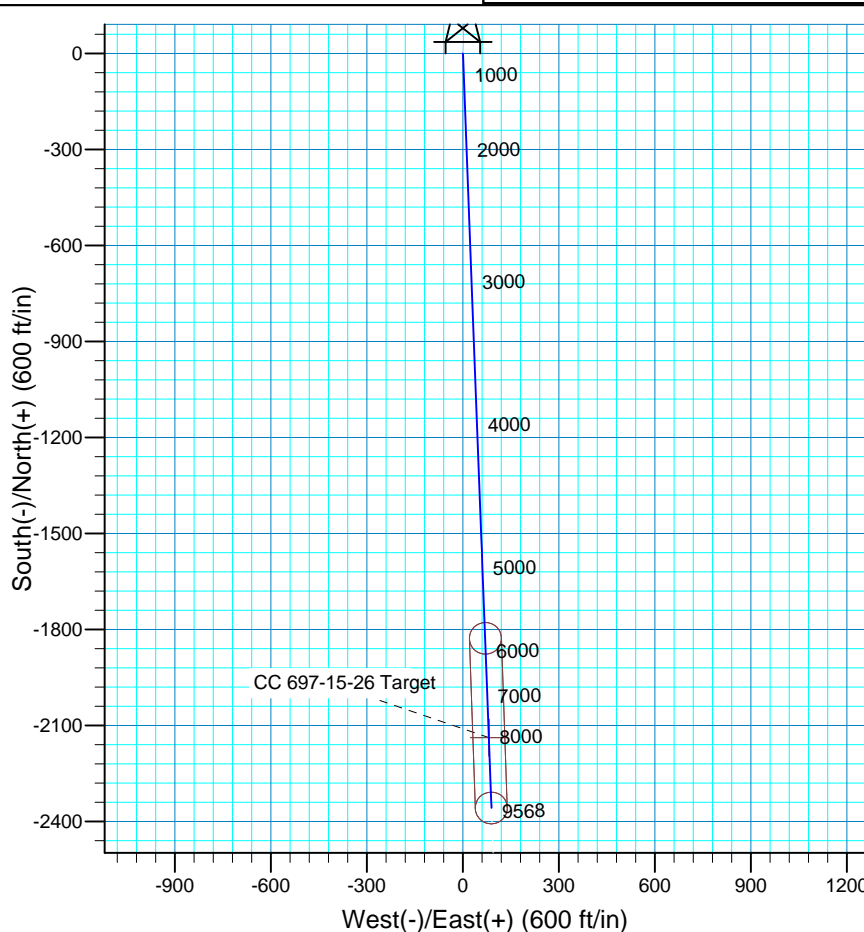
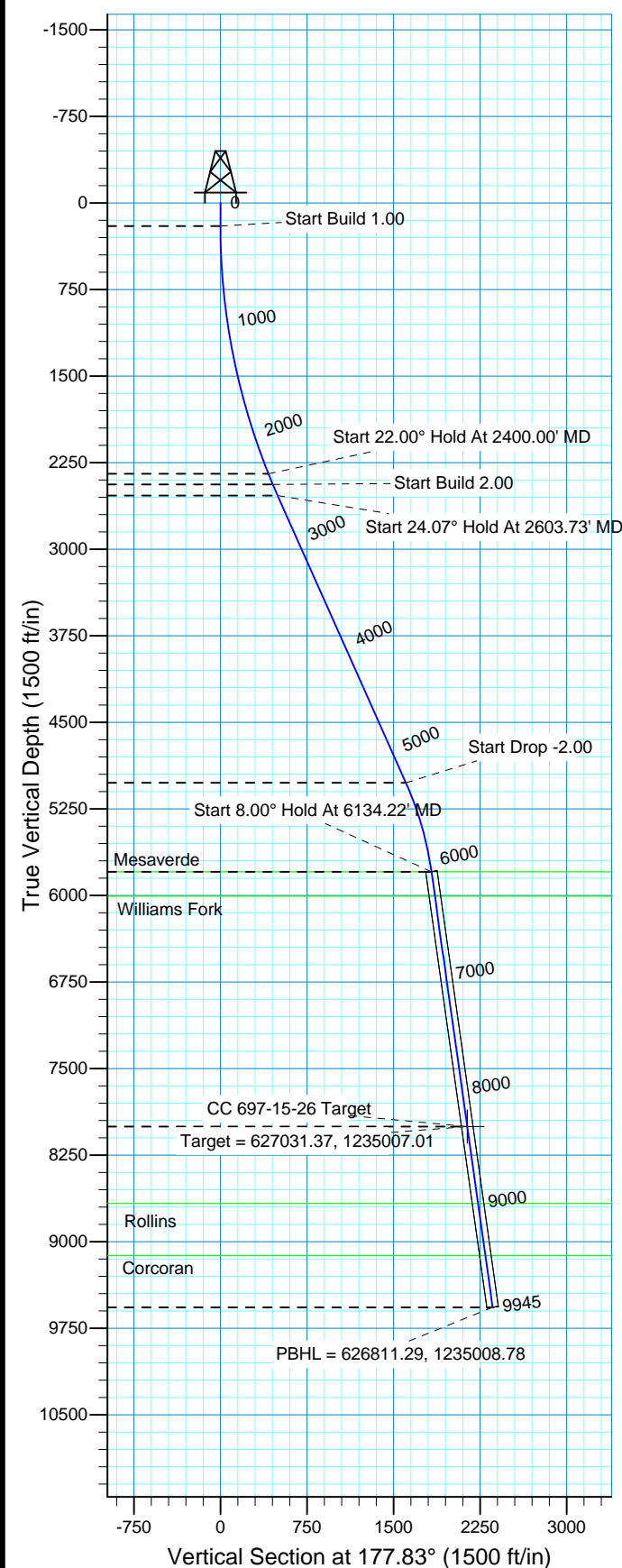
WELL DETAILS: CC 697-15-26

GL 8348' & RKB 30' @ 8378.00ft 8348.00
+N/-S +E/-W Northing Easting Latitude Longitude Slot
0.00 0.00 629170.50 1234989.82 39° 31' 46.322 N 108° 12' 44.999 W P



Azimuths to True North
Magnetic North: 10.62°

Magnetic Field
Strength: 52394.4snT
Dip Angle: 65.77°
Date: 12/31/2009
Model: IGRF2005-10



FORMATION TOP DETAILS

TVDPathMDPath Formation
5794.006134.22 Mesaverde
6006.006348.30 Williams Fork
8668.009036.46 Rollins
9122.009494.93 Corcoran

Plan: Plan #2 (CC 697-15-26/OH)

Created By: Rex Hall Date: 2010-02-08

PROJECT DETAILS: Garfield County, CO NAD27

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: Colorado Central 502

System Datum: Mean Sea Level
Local North: No north reference data is available

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	
3	2400.00	22.00	177.83	2346.34	-416.91	15.81	1.00	177.83	417.21	CC 697-15-26 Target
4	2500.00	22.00	177.83	2439.06	-454.34	17.23	0.00	0.00	454.67	
5	2603.73	24.07	177.83	2534.51	-494.90	18.76	2.00	0.00	495.26	
6	5330.49	24.07	177.83	5024.08	-1606.42	60.90	0.00	0.00	1607.57	
7	6134.22	8.00	177.83	5794.00	-1827.57	69.29	2.00	180.00	1828.89	
8	8363.92	8.00	177.83	8002.00	-2137.67	81.05	0.00	0.00	2139.20	CC 697-15-26 Target
9	9945.31	8.00	177.83	9568.00	-2357.59	89.38	0.00	0.00	2359.29	



OXY USA RMAT

**Garfield County, CO NAD27
Cascade Creek 697-15-01 Pad
CC 697-15-26 - Slot P
OH**

Plan: Plan #2

Standard Planning Report

08 February, 2010



Database:	EDM 2003.16 Multi-User Db	Local Co-ordinate Reference:	Well CC 697-15-26 - Slot P
Company:	OXY USA RMAT	TVD Reference:	GL 8348' & RKB 30' @ 8378.00ft
Project:	Garfield County, CO NAD27	MD Reference:	GL 8348' & RKB 30' @ 8378.00ft
Site:	Cascade Creek 697-15-01 Pad	North Reference:	True
Well:	CC 697-15-26	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

Project	Garfield County, CO NAD27		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Colorado Central 502		

Site		Cascade Creek 697-15-01 Pad, Sec 15 T6S R97W			
Site Position:		Northing:	629,156.96 ft	Latitude:	39° 31' 46.180 N
From:	Map	Easting:	1,234,961.93 ft	Longitude:	108° 12' 45.350 W
Position Uncertainty:	0.00 ft	Slot Radius:	in	Grid Convergence:	-1.71 °

Well	CC 697-15-26 - Slot P					
Well Position	+N/-S	0.00 ft	Northing:	629,170.50 ft	Latitude:	39° 31' 46.322 N
	+E/-W	0.00 ft	Easting:	1,234,989.82 ft	Longitude:	108° 12' 44.999 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	8,348.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2005-10	12/31/2009	10.62	65.77	52,394

Design	Plan #2				
Audit Notes:					
Version:	Phase:	PLAN	Tie On Depth:	0.00	
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	177.83	

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	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,400.00	22.00	177.83	2,346.34	-416.91	15.81	1.00	1.00	0.00	177.83	CC 697-15-26 Target
2,500.00	22.00	177.83	2,439.06	-454.34	17.23	0.00	0.00	0.00	0.00	
2,603.73	24.07	177.83	2,534.51	-494.90	18.76	2.00	2.00	0.00	0.00	
5,330.49	24.07	177.83	5,024.08	-1,606.42	60.90	0.00	0.00	0.00	0.00	
6,134.22	8.00	177.83	5,794.00	-1,827.57	69.29	2.00	-2.00	0.00	180.00	
8,363.92	8.00	177.83	8,002.00	-2,137.67	81.05	0.00	0.00	0.00	0.00	CC 697-15-26 Target
9,945.31	8.00	177.83	9,568.00	-2,357.59	89.38	0.00	0.00	0.00	0.00	

Database:	EDM 2003.16 Multi-User Db	Local Co-ordinate Reference:	Well CC 697-15-26 - Slot P
Company:	OXY USA RMAT	TVD Reference:	GL 8348' & RKB 30' @ 8378.00ft
Project:	Garfield County, CO NAD27	MD Reference:	GL 8348' & RKB 30' @ 8378.00ft
Site:	Cascade Creek 697-15-01 Pad	North Reference:	True
Well:	CC 697-15-26	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

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
Start Build 1.00									
300.00	1.00	177.83	299.99	-0.87	0.03	0.87	1.00	1.00	0.00
400.00	2.00	177.83	399.96	-3.49	0.13	3.49	1.00	1.00	0.00
500.00	3.00	177.83	499.86	-7.85	0.30	7.85	1.00	1.00	0.00
600.00	4.00	177.83	599.68	-13.95	0.53	13.96	1.00	1.00	0.00
700.00	5.00	177.83	699.37	-21.79	0.83	21.80	1.00	1.00	0.00
800.00	6.00	177.83	798.90	-31.36	1.19	31.39	1.00	1.00	0.00
900.00	7.00	177.83	898.26	-42.68	1.62	42.71	1.00	1.00	0.00
1,000.00	8.00	177.83	997.40	-55.72	2.11	55.76	1.00	1.00	0.00
1,100.00	9.00	177.83	1,096.30	-70.49	2.67	70.54	1.00	1.00	0.00
1,200.00	10.00	177.83	1,194.93	-86.98	3.30	87.05	1.00	1.00	0.00
1,300.00	11.00	177.83	1,293.26	-105.19	3.99	105.27	1.00	1.00	0.00
1,400.00	12.00	177.83	1,391.25	-125.12	4.74	125.21	1.00	1.00	0.00
1,500.00	13.00	177.83	1,488.87	-146.74	5.56	146.85	1.00	1.00	0.00
1,600.00	14.00	177.83	1,586.11	-170.07	6.45	170.19	1.00	1.00	0.00
1,700.00	15.00	177.83	1,682.92	-195.09	7.40	195.23	1.00	1.00	0.00
1,800.00	16.00	177.83	1,779.29	-221.79	8.41	221.95	1.00	1.00	0.00
1,900.00	17.00	177.83	1,875.17	-250.18	9.48	250.36	1.00	1.00	0.00
2,000.00	18.00	177.83	1,970.54	-280.22	10.62	280.43	1.00	1.00	0.00
2,100.00	19.00	177.83	2,065.37	-311.93	11.83	312.16	1.00	1.00	0.00
2,200.00	20.00	177.83	2,159.63	-345.29	13.09	345.54	1.00	1.00	0.00
2,300.00	21.00	177.83	2,253.30	-380.28	14.42	380.56	1.00	1.00	0.00
2,400.00	22.00	177.83	2,346.34	-416.91	15.81	417.21	1.00	1.00	0.00
Start 22.00° Hold At 2400.00' MD									
2,500.00	22.00	177.83	2,439.06	-454.34	17.23	454.67	0.00	0.00	0.00
Start Build 2.00									
2,600.00	24.00	177.83	2,531.10	-493.38	18.71	493.74	2.00	2.00	0.00
2,603.73	24.07	177.83	2,534.51	-494.90	18.76	495.26	2.00	2.00	0.00
Start 24.07° Hold At 2603.73' MD									
2,700.00	24.07	177.83	2,622.40	-534.14	20.25	534.53	0.00	0.00	0.00
2,800.00	24.07	177.83	2,713.71	-574.91	21.80	575.32	0.00	0.00	0.00
2,900.00	24.07	177.83	2,805.01	-615.67	23.34	616.11	0.00	0.00	0.00
3,000.00	24.07	177.83	2,896.31	-656.43	24.89	656.91	0.00	0.00	0.00
3,100.00	24.07	177.83	2,987.61	-697.20	26.43	697.70	0.00	0.00	0.00
3,200.00	24.07	177.83	3,078.91	-737.96	27.98	738.49	0.00	0.00	0.00
3,300.00	24.07	177.83	3,170.21	-778.72	29.52	779.28	0.00	0.00	0.00
3,400.00	24.07	177.83	3,261.51	-819.49	31.07	820.08	0.00	0.00	0.00
3,500.00	24.07	177.83	3,352.82	-860.25	32.61	860.87	0.00	0.00	0.00
3,600.00	24.07	177.83	3,444.12	-901.01	34.16	901.66	0.00	0.00	0.00
3,700.00	24.07	177.83	3,535.42	-941.78	35.71	942.45	0.00	0.00	0.00
3,800.00	24.07	177.83	3,626.72	-982.54	37.25	983.25	0.00	0.00	0.00
3,900.00	24.07	177.83	3,718.02	-1,023.30	38.80	1,024.04	0.00	0.00	0.00
4,000.00	24.07	177.83	3,809.32	-1,064.07	40.34	1,064.83	0.00	0.00	0.00
4,100.00	24.07	177.83	3,900.63	-1,104.83	41.89	1,105.62	0.00	0.00	0.00
4,200.00	24.07	177.83	3,991.93	-1,145.59	43.43	1,146.42	0.00	0.00	0.00
4,300.00	24.07	177.83	4,083.23	-1,186.36	44.98	1,187.21	0.00	0.00	0.00
4,400.00	24.07	177.83	4,174.53	-1,227.12	46.52	1,228.00	0.00	0.00	0.00
4,500.00	24.07	177.83	4,265.83	-1,267.88	48.07	1,268.80	0.00	0.00	0.00
4,600.00	24.07	177.83	4,357.13	-1,308.65	49.61	1,309.59	0.00	0.00	0.00
4,700.00	24.07	177.83	4,448.43	-1,349.41	51.16	1,350.38	0.00	0.00	0.00

Database:	EDM 2003.16 Multi-User Db	Local Co-ordinate Reference:	Well CC 697-15-26 - Slot P
Company:	OXY USA RMAT	TVD Reference:	GL 8348' & RKB 30' @ 8378.00ft
Project:	Garfield County, CO NAD27	MD Reference:	GL 8348' & RKB 30' @ 8378.00ft
Site:	Cascade Creek 697-15-01 Pad	North Reference:	True
Well:	CC 697-15-26	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

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)
4,800.00	24.07	177.83	4,539.74	-1,390.17	52.71	1,391.17	0.00	0.00	0.00
4,900.00	24.07	177.83	4,631.04	-1,430.94	54.25	1,431.97	0.00	0.00	0.00
5,000.00	24.07	177.83	4,722.34	-1,471.70	55.80	1,472.76	0.00	0.00	0.00
5,100.00	24.07	177.83	4,813.64	-1,512.46	57.34	1,513.55	0.00	0.00	0.00
5,200.00	24.07	177.83	4,904.94	-1,553.23	58.89	1,554.34	0.00	0.00	0.00
5,300.00	24.07	177.83	4,996.24	-1,593.99	60.43	1,595.14	0.00	0.00	0.00
5,330.49	24.07	177.83	5,024.08	-1,606.42	60.90	1,607.57	0.00	0.00	0.00
Start Drop -2.00									
5,400.00	22.68	177.83	5,087.88	-1,633.98	61.95	1,635.16	2.00	-2.00	0.00
5,500.00	20.68	177.83	5,180.80	-1,670.90	63.35	1,672.10	2.00	-2.00	0.00
5,600.00	18.68	177.83	5,274.95	-1,704.56	64.62	1,705.79	2.00	-2.00	0.00
5,700.00	16.68	177.83	5,370.22	-1,734.92	65.78	1,736.16	2.00	-2.00	0.00
5,800.00	14.68	177.83	5,466.49	-1,761.93	66.80	1,763.19	2.00	-2.00	0.00
5,900.00	12.68	177.83	5,563.65	-1,785.57	67.70	1,786.85	2.00	-2.00	0.00
6,000.00	10.68	177.83	5,661.57	-1,805.80	68.46	1,807.10	2.00	-2.00	0.00
6,100.00	8.68	177.83	5,760.14	-1,822.61	69.10	1,823.92	2.00	-2.00	0.00
6,134.22	8.00	177.83	5,794.00	-1,827.57	69.29	1,828.89	2.00	-2.00	0.00
Start 8.00° Hold At 6134.22' MD - Mesaverde									
6,200.00	8.00	177.83	5,859.14	-1,836.72	69.64	1,838.04	0.00	0.00	0.00
6,300.00	8.00	177.83	5,958.17	-1,850.63	70.16	1,851.96	0.00	0.00	0.00
6,348.30	8.00	177.83	6,006.00	-1,857.35	70.42	1,858.68	0.00	0.00	0.00
Williams Fork									
6,400.00	8.00	177.83	6,057.19	-1,864.54	70.69	1,865.88	0.00	0.00	0.00
6,500.00	8.00	177.83	6,156.22	-1,878.44	71.22	1,879.79	0.00	0.00	0.00
6,600.00	8.00	177.83	6,255.25	-1,892.35	71.74	1,893.71	0.00	0.00	0.00
6,700.00	8.00	177.83	6,354.27	-1,906.26	72.27	1,907.63	0.00	0.00	0.00
6,800.00	8.00	177.83	6,453.30	-1,920.17	72.80	1,921.55	0.00	0.00	0.00
6,900.00	8.00	177.83	6,552.33	-1,934.07	73.33	1,935.46	0.00	0.00	0.00
7,000.00	8.00	177.83	6,651.35	-1,947.98	73.85	1,949.38	0.00	0.00	0.00
7,100.00	8.00	177.83	6,750.38	-1,961.89	74.38	1,963.30	0.00	0.00	0.00
7,200.00	8.00	177.83	6,849.41	-1,975.80	74.91	1,977.21	0.00	0.00	0.00
7,300.00	8.00	177.83	6,948.44	-1,989.70	75.44	1,991.13	0.00	0.00	0.00
7,400.00	8.00	177.83	7,047.46	-2,003.61	75.96	2,005.05	0.00	0.00	0.00
7,500.00	8.00	177.83	7,146.49	-2,017.52	76.49	2,018.97	0.00	0.00	0.00
7,600.00	8.00	177.83	7,245.52	-2,031.42	77.02	2,032.88	0.00	0.00	0.00
7,700.00	8.00	177.83	7,344.54	-2,045.33	77.54	2,046.80	0.00	0.00	0.00
7,800.00	8.00	177.83	7,443.57	-2,059.24	78.07	2,060.72	0.00	0.00	0.00
7,900.00	8.00	177.83	7,542.60	-2,073.15	78.60	2,074.64	0.00	0.00	0.00
8,000.00	8.00	177.83	7,641.62	-2,087.05	79.13	2,088.55	0.00	0.00	0.00
8,100.00	8.00	177.83	7,740.65	-2,100.96	79.65	2,102.47	0.00	0.00	0.00
8,200.00	8.00	177.83	7,839.68	-2,114.87	80.18	2,116.39	0.00	0.00	0.00
8,300.00	8.00	177.83	7,938.70	-2,128.78	80.71	2,130.31	0.00	0.00	0.00
8,363.92	8.00	177.83	8,002.00	-2,137.67	81.05	2,139.20	0.00	0.00	0.00
Target = 627031.37, 1235007.01 - CC 697-15-26 Target - CC 697-15-26 Target									
8,400.00	8.00	177.83	8,037.73	-2,142.68	81.24	2,144.22	0.00	0.00	0.00
8,500.00	8.00	177.83	8,136.76	-2,156.59	81.76	2,158.14	0.00	0.00	0.00
8,600.00	8.00	177.83	8,235.78	-2,170.50	82.29	2,172.06	0.00	0.00	0.00
8,700.00	8.00	177.83	8,334.81	-2,184.41	82.82	2,185.97	0.00	0.00	0.00
8,800.00	8.00	177.83	8,433.84	-2,198.31	83.34	2,199.89	0.00	0.00	0.00
8,900.00	8.00	177.83	8,532.86	-2,212.22	83.87	2,213.81	0.00	0.00	0.00
9,000.00	8.00	177.83	8,631.89	-2,226.13	84.40	2,227.73	0.00	0.00	0.00
9,036.46	8.00	177.83	8,668.00	-2,231.20	84.59	2,232.80	0.00	0.00	0.00
Rollins									

Database:	EDM 2003.16 Multi-User Db	Local Co-ordinate Reference:	Well CC 697-15-26 - Slot P
Company:	OXY USA RMAT	TVD Reference:	GL 8348' & RKB 30' @ 8378.00ft
Project:	Garfield County, CO NAD27	MD Reference:	GL 8348' & RKB 30' @ 8378.00ft
Site:	Cascade Creek 697-15-01 Pad	North Reference:	True
Well:	CC 697-15-26	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

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)
9,100.00	8.00	177.83	8,730.92	-2,240.03	84.93	2,241.64	0.00	0.00	0.00
9,200.00	8.00	177.83	8,829.94	-2,253.94	85.45	2,255.56	0.00	0.00	0.00
9,300.00	8.00	177.83	8,928.97	-2,267.85	85.98	2,269.48	0.00	0.00	0.00
9,400.00	8.00	177.83	9,028.00	-2,281.76	86.51	2,283.40	0.00	0.00	0.00
9,494.93	8.00	177.83	9,122.00	-2,294.96	87.01	2,296.61	0.00	0.00	0.00
Corcoran									
9,500.00	8.00	177.83	9,127.03	-2,295.66	87.04	2,297.31	0.00	0.00	0.00
9,600.00	8.00	177.83	9,226.05	-2,309.57	87.56	2,311.23	0.00	0.00	0.00
9,700.00	8.00	177.83	9,325.08	-2,323.48	88.09	2,325.15	0.00	0.00	0.00
9,800.00	8.00	177.83	9,424.11	-2,337.39	88.62	2,339.06	0.00	0.00	0.00
9,900.00	8.00	177.83	9,523.13	-2,351.29	89.14	2,352.98	0.00	0.00	0.00
9,945.31	8.00	177.83	9,568.00	-2,357.59	89.38	2,359.29	0.00	0.00	0.00
PBHL = 626811.29, 1235008.78									

Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
CC 697-15-26 Target	-8.00	178.01	8,002.00	-2,137.67	81.05	627,031.37	1,235,007.01	39° 31' 25.194 N	108° 12' 43.965 W
- hit/miss target									
- Shape									
- plan hits target center									
- Circle (radius 50.00)									

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
6,134.22	5,794.00	Mesaverde		0.00	
6,348.30	6,006.00	Williams Fork		0.00	
9,036.46	8,668.00	Rollins		0.00	
9,494.93	9,122.00	Corcoran		0.00	

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
200.00	200.00	0.00	0.00	Start Build 1.00
2,400.00	2,346.34	-416.91	15.81	Start 22.00° Hold At 2400.00' MD
2,500.00	2,439.06	-454.34	17.23	Start Build 2.00
2,603.73	2,534.51	-494.90	18.76	Start 24.07° Hold At 2603.73' MD
5,330.49	5,024.08	-1,606.42	60.90	Start Drop -2.00
6,134.22	5,794.00	-1,827.57	69.29	Start 8.00° Hold At 6134.22' MD
8,363.92	8,002.00	-2,137.67	81.05	Target = 627031.37, 1235007.01
9,945.31	9,568.00	-2,357.59	89.38	PBHL = 626811.29, 1235008.78