

EnCana Oil & Gas (USA) Inc

DJ Wattenberg
S26-T2N-R66W (Rodman Bruntz)
Rodman Bruntz 2E-26H

ST-2

Plan: Plan #1

Standard Planning Report

16 October, 2013





Project: DJ Wattenberg
Site: S26-T2N-R66W (Rodman Bruntz)
Well: Rodman Bruntz 2E-26H
Wellbore: ST-2
Design: Plan #1

WELL DETAILS: Rodman Bruntz 2E-26H

WELL @ 5111.00ft (Original Well Elev)

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	1285597.28	3210712.37	40° 6' 53.640 N	104° 44' 47.724 W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target
1	6469.00	1.58	29.20	6406.00	560.85	542.19	0.00	0.00	-515.38	
2	6559.00	0.92	73.71	6495.98	562.14	543.49	1.25	145.08	-516.56	
3	6712.82	7.00	210.00	6649.45	554.35	539.99	5.00	141.01	-509.08	
4	6764.84	7.00	210.00	6701.08	548.86	536.82	0.00	0.00	-503.86	
5	7813.57	90.00	180.71	7340.00	-162.75	489.67	8.00	-29.48	201.64	
6	7845.00	90.00	180.71	7340.00	-194.18	489.28	0.00	0.00	232.94	Rodman Bruntz 2E-26H ST-2 LP
7	7970.48	89.91	179.45	7340.10	-319.65	489.11	1.00	-93.99	357.99	
8	14474.04	89.91	179.45	7350.00	-6822.91	551.13	0.00	0.00	6845.13	Rodman Bruntz 2E-26H PBHL

PROJECT DETAILS: DJ Wattenberg

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Colorado Northern Zone
System Datum: Mean Sea Level
Local North: True

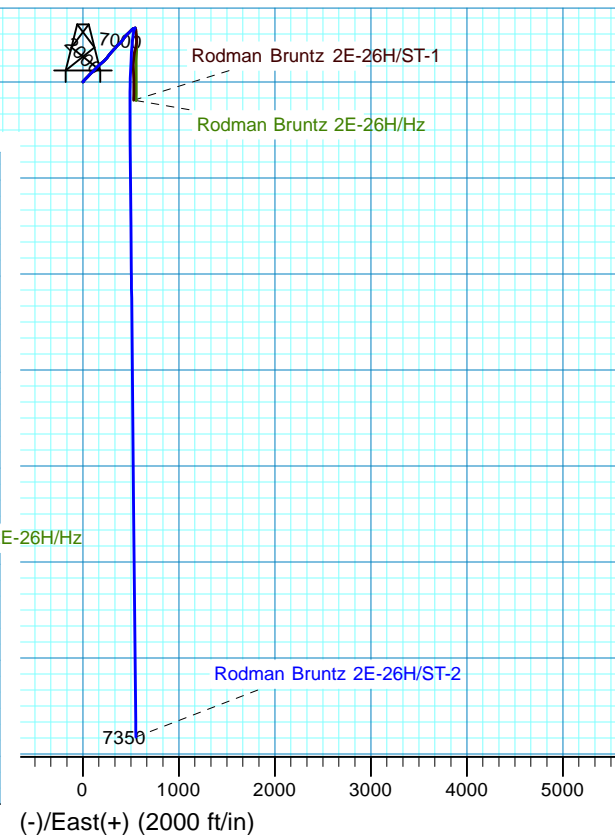
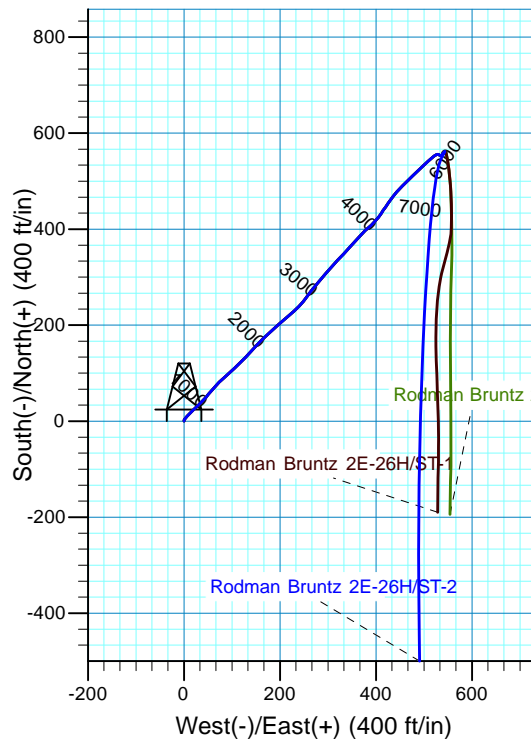
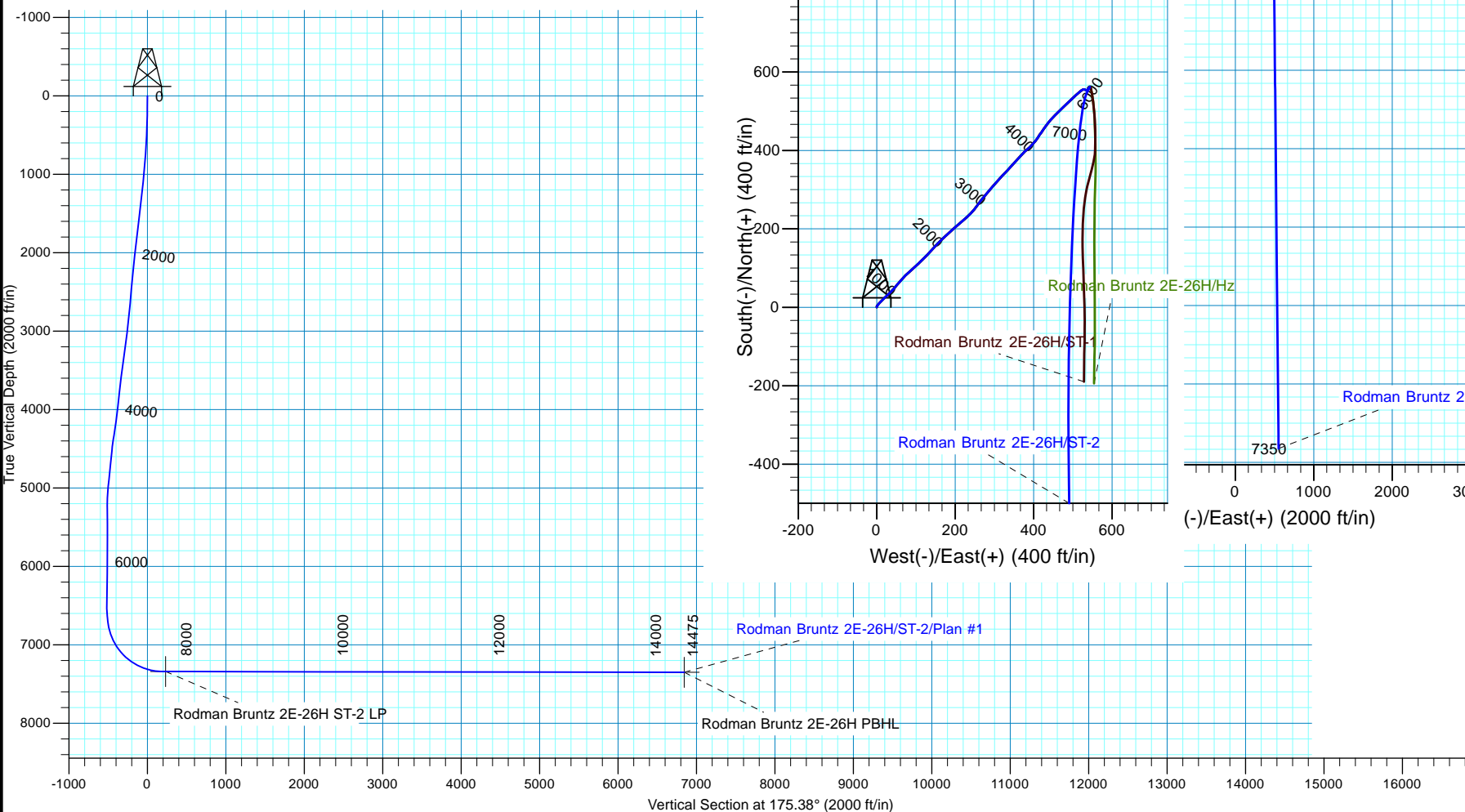
Plan: Plan #1 (Rodman Bruntz 2E-26H/ST-2)

Created By: Janie Collins Date: 21:47, October 16 2013



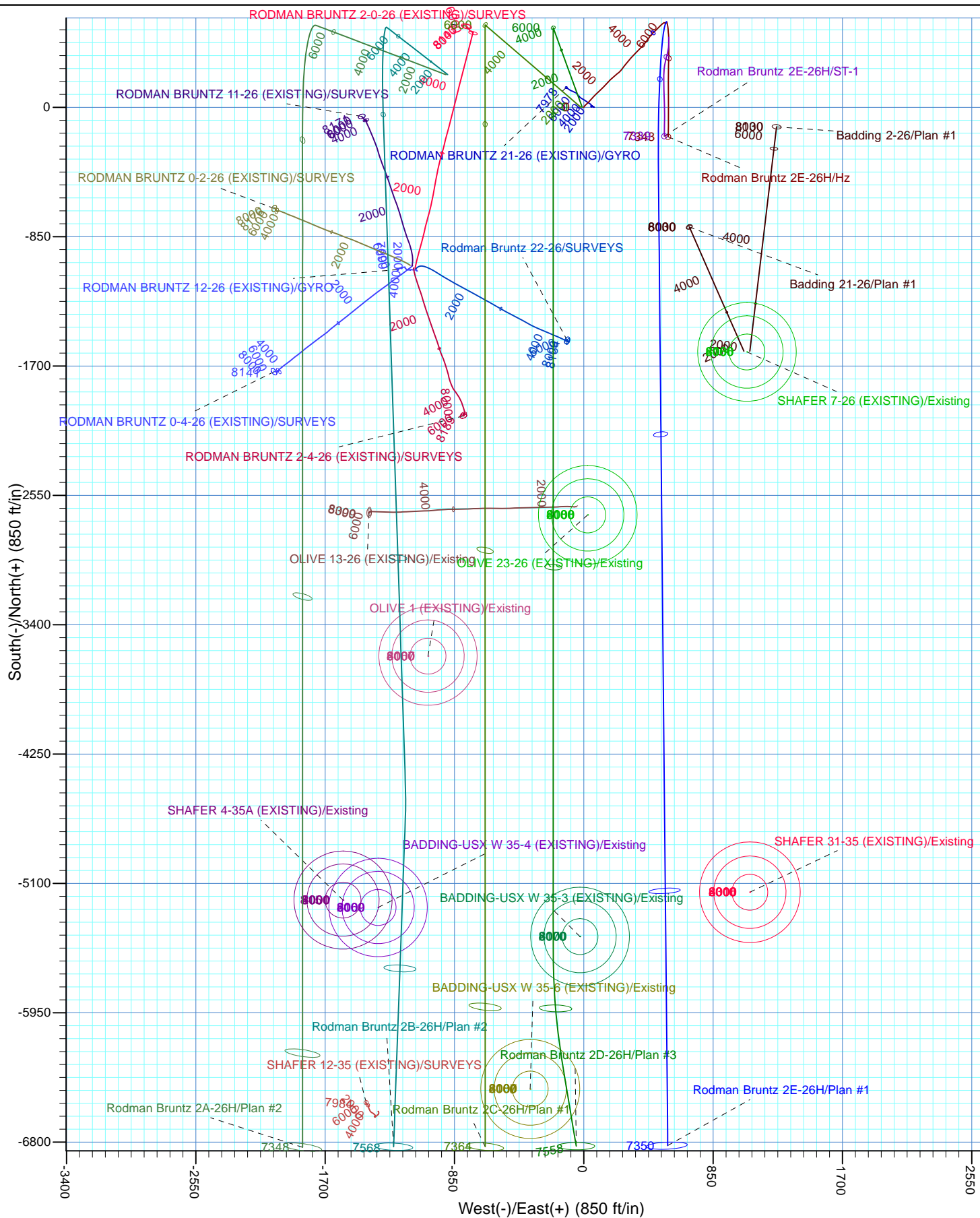
Azimuths to True North
Magnetic North: 8.52°

Magnetic Field
Strength: 52735.0nT
Dip Angle: 66.74°
Date: 10/16/2013
Model: IGRF2010





Project: DJ Wattenberg
Site: S26-T2N-R66W (Rodman Bruntz)
Well: Rodman Bruntz 2E-26H
Wellbore: ST-2
Design: Plan #1



Planning Report

Database:	Casper District	Local Co-ordinate Reference:	Well Rodman Bruntz 2E-26H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 5111.00ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	WELL @ 5111.00ft (Original Well Elev)
Site:	S26-T2N-R66W (Rodman Bruntz)	North Reference:	True
Well:	Rodman Bruntz 2E-26H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ST-2		
Design:	Plan #1		

Project	DJ Wattenberg		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Site	S26-T2N-R66W (Rodman Bruntz)			
Site Position:		Northing:	1,285,915.36 usft	Latitude: 40° 6' 56.916 N
From:	Lat/Long	Easting:	3,209,123.83 usft	Longitude: 104° 45' 8.136 W
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence: 0.48 °

Well	Rodman Bruntz 2E-26H			
Well Position	+N/-S	-331.47 ft	Northing:	1,285,597.28 usft
	+E/-W	1,585.80 ft	Easting:	3,210,712.37 usft
Position Uncertainty		0.00 ft	Wellhead Elevation:	Latitude: 40° 6' 53.640 N
				Longitude: 104° 44' 47.724 W
				Ground Level: 5,098.00 ft

Wellbore	ST-2				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	10/16/2013	8.52	66.74	52,735

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	6,469.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	175.38

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
6,469.00	1.58	29.20	6,406.00	560.85	542.19	0.00	0.00	0.00	0.00	
6,559.00	0.92	73.71	6,495.98	562.14	543.49	1.25	-0.73	49.46	145.08	
6,712.82	7.00	210.00	6,649.45	554.35	539.99	5.00	3.95	88.60	141.01	
6,764.84	7.00	210.00	6,701.08	548.86	536.82	0.00	0.00	0.00	0.00	
7,813.57	90.00	180.71	7,340.00	-162.75	489.67	8.00	7.91	-2.79	-29.48	
7,845.00	90.00	180.71	7,340.00	-194.18	489.28	0.00	0.00	0.00	0.00	Rodman Bruntz 2E-26H
7,970.48	89.91	179.45	7,340.10	-319.65	489.11	1.00	-0.07	-1.00	-93.99	
14,474.04	89.91	179.45	7,350.00	-6,822.91	551.13	0.00	0.00	0.00	0.00	Rodman Bruntz 2E-26H

Planning Report

Database:	Casper District	Local Co-ordinate Reference:	Well Rodman Bruntz 2E-26H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 5111.00ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	WELL @ 5111.00ft (Original Well Elev)
Site:	S26-T2N-R66W (Rodman Bruntz)	North Reference:	True
Well:	Rodman Bruntz 2E-26H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ST-2		
Design:	Plan #1		

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	0.32	0.24	100.00	0.28	0.00	-0.28	0.32	0.32	0.00
200.00	0.74	13.05	200.00	1.15	0.07	-1.15	0.43	0.41	12.81
300.00	1.50	25.47	299.98	2.90	0.73	-2.83	0.80	0.77	12.41
400.00	2.63	37.48	399.91	5.93	2.56	-5.70	1.20	1.12	12.01
500.00	3.52	44.25	499.76	10.02	6.20	-9.49	0.96	0.89	6.77
600.00	4.36	46.38	599.53	14.80	11.09	-13.86	0.85	0.84	2.14
700.00	5.18	43.71	699.18	20.66	17.02	-19.22	0.85	0.82	-2.68
800.00	6.38	47.17	798.67	27.73	24.13	-25.69	1.25	1.20	3.47
900.00	7.31	44.99	897.96	35.98	32.74	-33.23	0.96	0.92	-2.18
1,000.00	9.00	41.89	996.93	46.37	42.51	-42.80	1.75	1.69	-3.10
1,100.00	9.44	40.50	1,095.63	58.51	53.04	-54.05	0.50	0.44	-1.39
1,200.00	9.54	42.27	1,194.26	70.88	63.94	-65.50	0.31	0.10	1.77
1,300.00	9.67	46.08	1,292.86	82.86	75.54	-76.51	0.65	0.13	3.81
1,400.00	9.76	47.98	1,391.42	94.25	88.03	-86.86	0.33	0.09	1.90
1,500.00	9.76	47.09	1,489.98	105.69	100.54	-97.26	0.15	0.00	-0.90
1,600.00	9.86	45.91	1,588.52	117.38	112.88	-107.91	0.23	0.10	-1.17
1,700.00	10.05	44.56	1,687.02	129.56	125.15	-119.06	0.30	0.19	-1.35
1,800.00	10.11	43.20	1,785.47	142.20	137.31	-130.68	0.24	0.06	-1.35
1,900.00	10.11	41.83	1,883.91	155.13	149.17	-142.62	0.24	0.00	-1.37
2,000.00	9.94	44.49	1,982.38	167.92	161.01	-154.41	0.49	-0.17	2.66
2,100.00	9.77	48.10	2,080.91	179.74	173.38	-165.20	0.64	-0.17	3.61
2,200.00	9.46	47.98	2,179.50	190.89	185.83	-175.31	0.31	-0.31	-0.12
2,300.00	9.14	47.63	2,278.19	201.74	197.80	-185.17	0.33	-0.32	-0.35
2,400.00	8.81	49.30	2,376.97	212.09	209.47	-194.53	0.42	-0.33	1.66
2,500.01	8.50	50.33	2,475.83	221.73	221.01	-203.21	0.34	-0.31	1.03
2,600.01	8.30	46.63	2,574.76	231.40	231.94	-211.98	0.57	-0.20	-3.70
2,700.01	8.16	42.61	2,673.73	241.57	242.00	-221.30	0.59	-0.15	-4.02
2,800.01	8.10	37.99	2,772.73	252.34	251.14	-231.30	0.66	-0.06	-4.62
2,900.01	8.31	35.93	2,871.72	263.76	259.47	-242.02	0.36	0.21	-2.06
3,000.01	8.96	38.61	2,970.59	275.70	268.57	-253.18	0.76	0.65	2.68
3,100.01	9.69	40.05	3,069.27	288.15	278.88	-264.76	0.77	0.74	1.43
3,200.01	10.53	40.28	3,167.72	301.56	290.20	-277.22	0.83	0.83	0.23
3,300.01	11.08	41.35	3,265.93	315.87	302.47	-290.49	0.59	0.55	1.07
3,400.01	11.40	43.05	3,364.01	330.30	315.56	-303.83	0.47	0.33	1.70
3,500.01	11.07	43.17	3,462.05	344.61	329.08	-317.00	0.34	-0.34	0.13
3,600.01	10.37	42.42	3,560.31	358.26	341.72	-329.58	0.71	-0.69	-0.76
3,700.01	9.92	42.61	3,658.75	371.23	353.57	-341.56	0.45	-0.45	0.20
3,800.01	9.56	43.18	3,757.31	383.63	365.08	-352.99	0.38	-0.37	0.57
3,900.01	9.85	45.36	3,855.90	395.65	376.76	-364.04	0.47	0.29	2.18
4,000.01	10.27	47.64	3,954.36	407.66	389.43	-374.99	0.58	0.42	2.28
4,100.01	9.68	40.52	4,052.84	420.04	401.56	-386.35	1.37	-0.59	-7.12
4,200.01	9.32	32.61	4,151.49	433.22	411.27	-398.70	1.35	-0.35	-7.91
4,300.01	11.18	35.07	4,249.89	447.97	421.20	-412.61	1.91	1.86	2.46
4,400.01	12.46	37.16	4,347.68	464.88	433.50	-428.47	1.35	1.28	2.09
4,500.01	10.68	41.41	4,445.65	480.42	446.15	-442.95	1.97	-1.78	4.24
4,600.01	9.35	45.55	4,544.16	492.77	458.03	-454.30	1.51	-1.33	4.14
4,700.01	9.12	45.55	4,642.87	504.01	469.48	-464.57	0.23	-0.23	0.00
4,800.01	9.00	45.72	4,741.63	514.98	480.68	-474.61	0.12	-0.11	0.17
4,900.01	9.10	46.19	4,840.39	525.92	491.99	-484.60	0.12	0.09	0.46
5,000.01	8.69	47.27	4,939.15	536.71	503.38	-494.44	0.45	-0.41	1.09
5,100.01	7.71	49.41	5,038.13	546.20	514.02	-503.04	1.02	-0.98	2.13
5,200.01	5.26	55.77	5,137.42	553.57	523.26	-509.64	2.55	-2.45	6.36
5,300.01	2.13	88.78	5,237.21	556.18	528.90	-511.80	3.66	-3.13	33.01

Planning Report

Database:	Casper District	Local Co-ordinate Reference:	Well Rodman Bruntz 2E-26H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 5111.00ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	WELL @ 5111.00ft (Original Well Elev)
Site:	S26-T2N-R66W (Rodman Bruntz)	North Reference:	True
Well:	Rodman Bruntz 2E-26H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ST-2		
Design:	Plan #1		

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)
5,400.01	1.48	121.61	5,337.16	554.96	531.48	-510.37	1.19	-0.65	32.82
5,500.01	1.20	120.76	5,437.14	553.75	533.48	-509.00	0.28	-0.28	-0.85
5,600.01	0.99	99.56	5,537.12	553.02	535.20	-508.13	0.45	-0.21	-21.20
5,700.01	1.04	69.34	5,637.10	553.19	536.90	-508.17	0.53	0.05	-30.22
5,800.01	0.74	50.76	5,737.09	553.96	538.29	-508.83	0.41	-0.30	-18.58
5,900.01	0.53	13.60	5,837.09	554.82	538.89	-509.63	0.45	-0.21	-37.17
6,000.01	0.41	331.66	5,937.08	555.59	538.83	-510.40	0.35	-0.12	-41.93
6,100.01	0.47	300.11	6,037.08	556.08	538.22	-510.94	0.25	0.07	-31.56
6,200.01	0.62	39.87	6,137.08	556.70	538.21	-511.56	0.84	0.14	99.76
6,300.01	1.25	53.94	6,237.06	557.73	539.57	-512.48	0.67	0.63	14.07
6,400.01	1.41	37.88	6,337.04	559.35	541.21	-513.96	0.41	0.16	-16.06
6,469.00	1.58	29.20	6,406.00	560.85	542.19	-515.38	0.41	0.24	-12.58
6,500.01	1.28	39.19	6,437.00	561.49	542.62	-515.98	1.25	-0.96	32.20
6,559.00	0.92	73.71	6,495.98	562.14	543.49	-516.56	1.25	-0.61	58.53
6,600.01	1.46	191.28	6,536.99	561.72	543.71	-516.12	5.00	1.30	286.67
6,700.01	6.36	209.52	6,636.73	555.65	540.73	-510.31	5.00	4.91	18.24
6,712.82	7.00	210.00	6,649.45	554.35	539.99	-509.08	5.01	4.99	3.75
6,764.84	7.00	210.00	6,701.08	548.86	536.82	-503.86	0.00	0.00	0.00
6,800.01	9.55	201.63	6,735.88	544.29	534.67	-499.48	8.00	7.25	-23.80
6,900.01	17.25	191.86	6,833.10	522.04	528.55	-477.79	8.00	7.70	-9.77
7,000.01	25.14	188.06	6,926.27	486.44	522.52	-442.79	8.00	7.89	-3.80
7,100.01	33.07	186.00	7,013.57	438.19	516.68	-395.17	8.00	7.94	-2.06
7,200.01	41.03	184.66	7,093.32	378.24	511.15	-335.86	8.00	7.96	-1.33
7,300.01	49.00	183.70	7,163.95	307.75	506.04	-266.01	8.00	7.97	-0.97
7,400.01	56.98	182.94	7,224.09	228.09	501.44	-186.98	8.00	7.98	-0.76
7,500.02	64.96	182.31	7,272.57	140.81	497.46	-100.31	8.00	7.98	-0.63
7,600.02	72.95	181.76	7,308.45	47.62	494.15	-7.68	8.00	7.98	-0.55
7,700.02	80.93	181.25	7,331.03	-49.68	491.60	89.10	8.00	7.98	-0.51
7,800.02	88.92	180.77	7,339.87	-149.19	489.84	188.15	8.00	7.99	-0.48
7,813.57	90.00	180.71	7,340.00	-162.75	489.67	201.64	8.01	7.99	-0.48
7,845.00	90.00	180.71	7,340.00	-194.18	489.28	232.94	0.00	0.00	0.00
7,900.02	89.96	180.16	7,340.02	-249.19	488.87	287.74	1.00	-0.07	-1.00
7,970.48	89.91	179.45	7,340.10	-319.65	489.11	357.99	1.00	-0.07	-1.00
8,000.02	89.91	179.45	7,340.14	-349.19	489.39	387.45	0.00	0.00	0.00
8,100.02	89.91	179.45	7,340.29	-449.18	490.34	487.20	0.00	0.00	0.00
8,200.02	89.91	179.45	7,340.45	-549.18	491.29	586.95	0.00	0.00	0.00
8,300.02	89.91	179.45	7,340.60	-649.17	492.25	686.70	0.00	0.00	0.00
8,400.02	89.91	179.45	7,340.75	-749.17	493.20	786.44	0.00	0.00	0.00
8,500.02	89.91	179.45	7,340.90	-849.16	494.16	886.19	0.00	0.00	0.00
8,600.02	89.91	179.45	7,341.05	-949.16	495.11	985.94	0.00	0.00	0.00
8,700.02	89.91	179.45	7,341.21	-1,049.16	496.06	1,085.69	0.00	0.00	0.00
8,800.02	89.91	179.45	7,341.36	-1,149.15	497.02	1,185.43	0.00	0.00	0.00
8,900.02	89.91	179.45	7,341.51	-1,249.15	497.97	1,285.18	0.00	0.00	0.00
9,000.02	89.91	179.45	7,341.66	-1,349.14	498.92	1,384.93	0.00	0.00	0.00
9,100.02	89.91	179.45	7,341.82	-1,449.14	499.88	1,484.68	0.00	0.00	0.00
9,200.02	89.91	179.45	7,341.97	-1,549.13	500.83	1,584.43	0.00	0.00	0.00
9,300.02	89.91	179.45	7,342.12	-1,649.13	501.78	1,684.17	0.00	0.00	0.00
9,400.02	89.91	179.45	7,342.27	-1,749.12	502.74	1,783.92	0.00	0.00	0.00
9,500.02	89.91	179.45	7,342.43	-1,849.12	503.69	1,883.67	0.00	0.00	0.00
9,600.02	89.91	179.45	7,342.58	-1,949.12	504.65	1,983.42	0.00	0.00	0.00
9,700.02	89.91	179.45	7,342.73	-2,049.11	505.60	2,083.16	0.00	0.00	0.00
9,800.02	89.91	179.45	7,342.88	-2,149.11	506.55	2,182.91	0.00	0.00	0.00
9,900.02	89.91	179.45	7,343.03	-2,249.10	507.51	2,282.66	0.00	0.00	0.00
10,000.02	89.91	179.45	7,343.19	-2,349.10	508.46	2,382.41	0.00	0.00	0.00

Planning Report

Database:	Casper District	Local Co-ordinate Reference:	Well Rodman Bruntz 2E-26H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 5111.00ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	WELL @ 5111.00ft (Original Well Elev)
Site:	S26-T2N-R66W (Rodman Bruntz)	North Reference:	True
Well:	Rodman Bruntz 2E-26H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ST-2		
Design:	Plan #1		

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)
10,100.02	89.91	179.45	7,343.34	-2,449.09	509.41	2,482.16	0.00	0.00	0.00
10,200.02	89.91	179.45	7,343.49	-2,549.09	510.37	2,581.90	0.00	0.00	0.00
10,300.02	89.91	179.45	7,343.64	-2,649.08	511.32	2,681.65	0.00	0.00	0.00
10,400.02	89.91	179.45	7,343.80	-2,749.08	512.27	2,781.40	0.00	0.00	0.00
10,500.02	89.91	179.45	7,343.95	-2,849.08	513.23	2,881.15	0.00	0.00	0.00
10,600.02	89.91	179.45	7,344.10	-2,949.07	514.18	2,980.89	0.00	0.00	0.00
10,700.02	89.91	179.45	7,344.25	-3,049.07	515.14	3,080.64	0.00	0.00	0.00
10,800.02	89.91	179.45	7,344.40	-3,149.06	516.09	3,180.39	0.00	0.00	0.00
10,900.02	89.91	179.45	7,344.56	-3,249.06	517.04	3,280.14	0.00	0.00	0.00
11,000.02	89.91	179.45	7,344.71	-3,349.05	518.00	3,379.88	0.00	0.00	0.00
11,100.02	89.91	179.45	7,344.86	-3,449.05	518.95	3,479.63	0.00	0.00	0.00
11,200.02	89.91	179.45	7,345.01	-3,549.04	519.90	3,579.38	0.00	0.00	0.00
11,300.02	89.91	179.45	7,345.17	-3,649.04	520.86	3,679.13	0.00	0.00	0.00
11,400.02	89.91	179.45	7,345.32	-3,749.03	521.81	3,778.88	0.00	0.00	0.00
11,500.02	89.91	179.45	7,345.47	-3,849.03	522.76	3,878.62	0.00	0.00	0.00
11,600.02	89.91	179.45	7,345.62	-3,949.03	523.72	3,978.37	0.00	0.00	0.00
11,700.02	89.91	179.45	7,345.78	-4,049.02	524.67	4,078.12	0.00	0.00	0.00
11,800.02	89.91	179.45	7,345.93	-4,149.02	525.63	4,177.87	0.00	0.00	0.00
11,900.02	89.91	179.45	7,346.08	-4,249.01	526.58	4,277.61	0.00	0.00	0.00
12,000.02	89.91	179.45	7,346.23	-4,349.01	527.53	4,377.36	0.00	0.00	0.00
12,100.02	89.91	179.45	7,346.38	-4,449.00	528.49	4,477.11	0.00	0.00	0.00
12,200.02	89.91	179.45	7,346.54	-4,549.00	529.44	4,576.86	0.00	0.00	0.00
12,300.02	89.91	179.45	7,346.69	-4,648.99	530.39	4,676.60	0.00	0.00	0.00
12,400.03	89.91	179.45	7,346.84	-4,748.99	531.35	4,776.35	0.00	0.00	0.00
12,500.03	89.91	179.45	7,346.99	-4,848.99	532.30	4,876.10	0.00	0.00	0.00
12,600.03	89.91	179.45	7,347.15	-4,948.98	533.25	4,975.85	0.00	0.00	0.00
12,700.03	89.91	179.45	7,347.30	-5,048.98	534.21	5,075.60	0.00	0.00	0.00
12,800.03	89.91	179.45	7,347.45	-5,148.97	535.16	5,175.34	0.00	0.00	0.00
12,900.03	89.91	179.45	7,347.60	-5,248.97	536.12	5,275.09	0.00	0.00	0.00
13,000.03	89.91	179.45	7,347.76	-5,348.96	537.07	5,374.84	0.00	0.00	0.00
13,100.03	89.91	179.45	7,347.91	-5,448.96	538.02	5,474.59	0.00	0.00	0.00
13,200.03	89.91	179.45	7,348.06	-5,548.95	538.98	5,574.33	0.00	0.00	0.00
13,300.03	89.91	179.45	7,348.21	-5,648.95	539.93	5,674.08	0.00	0.00	0.00
13,400.03	89.91	179.45	7,348.36	-5,748.95	540.88	5,773.83	0.00	0.00	0.00
13,500.03	89.91	179.45	7,348.52	-5,848.94	541.84	5,873.58	0.00	0.00	0.00
13,600.03	89.91	179.45	7,348.67	-5,948.94	542.79	5,973.33	0.00	0.00	0.00
13,700.03	89.91	179.45	7,348.82	-6,048.93	543.74	6,073.07	0.00	0.00	0.00
13,800.03	89.91	179.45	7,348.97	-6,148.93	544.70	6,172.82	0.00	0.00	0.00
13,900.03	89.91	179.45	7,349.13	-6,248.92	545.65	6,272.57	0.00	0.00	0.00
14,000.03	89.91	179.45	7,349.28	-6,348.92	546.61	6,372.32	0.00	0.00	0.00
14,100.03	89.91	179.45	7,349.43	-6,448.91	547.56	6,472.06	0.00	0.00	0.00
14,200.03	89.91	179.45	7,349.58	-6,548.91	548.51	6,571.81	0.00	0.00	0.00
14,300.03	89.91	179.45	7,349.74	-6,648.91	549.47	6,671.56	0.00	0.00	0.00
14,400.03	89.91	179.45	7,349.89	-6,748.90	550.42	6,771.31	0.00	0.00	0.00
14,474.04	89.91	179.45	7,350.00	-6,822.91	551.13	6,845.13	0.00	0.00	0.00

Planning Report

Database:	Casper District	Local Co-ordinate Reference:	Well Rodman Bruntz 2E-26H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 5111.00ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	WELL @ 5111.00ft (Original Well Elev)
Site:	S26-T2N-R66W (Rodman Bruntz)	North Reference:	True
Well:	Rodman Bruntz 2E-26H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ST-2		
Design:	Plan #1		

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(ft)	(ft)	(ft)	(usft)	(usft)		
Rodman Bruntz 2E-26H	0.00	0.00	7,340.00	-194.18	489.28	1,285,407.26	3,211,203.28	40° 6' 51.721 N	104° 44' 41.426 W
- plan hits target center									
- Point									
Rodman Bruntz 2E-26H	0.00	0.00	7,350.00	-6,822.91	551.13	1,278,779.31	3,211,321.44	40° 5' 46.212 N	104° 44' 40.632 W
- plan hits target center									
- Point									