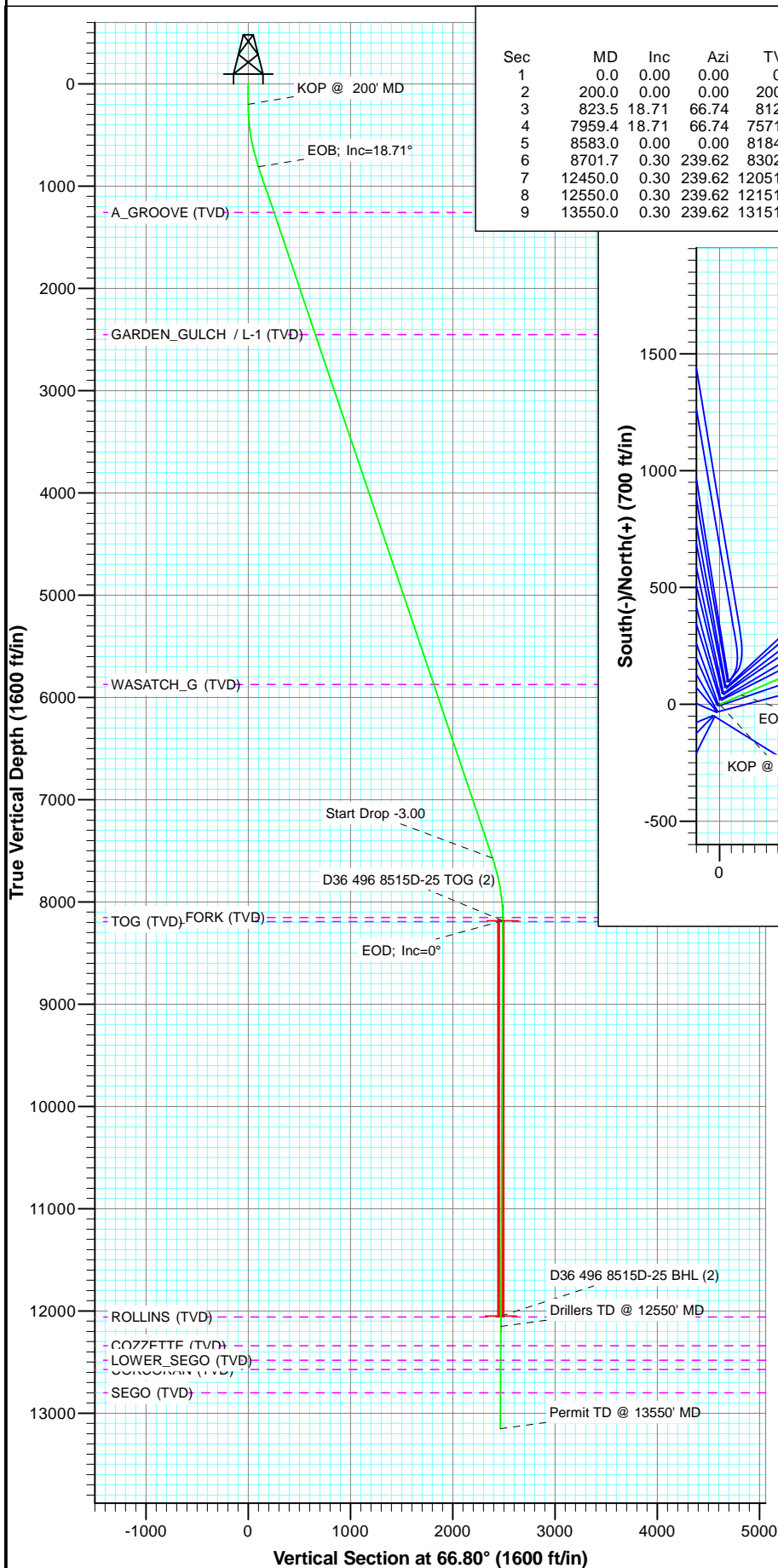


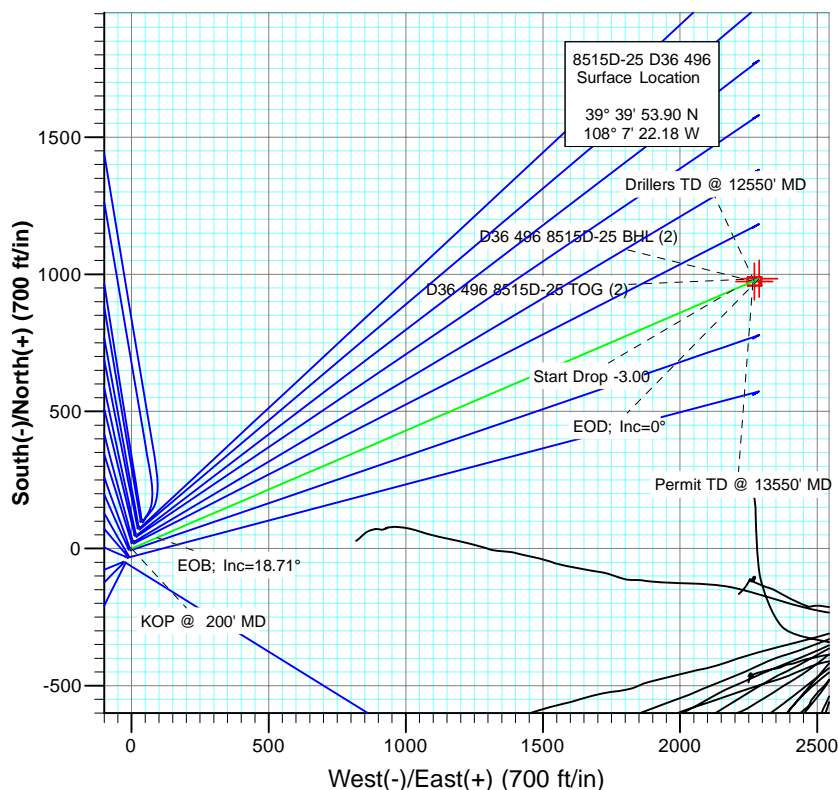


Project: Story Gulch
Site: S36-T4S-R96W (D36 496)
Well: 8515D-25 D36 496
Wellbore: DD
Plan: Plan #2



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.0	
3	823.5	18.71	66.74	812.5	39.8	92.7	3.00	66.74	100.9	
4	7959.4	18.71	66.74	7571.5	943.6	2195.2	0.00	0.00	2389.4	D36 496 8515D-25 TOG (2)
5	8583.0	0.00	0.00	8184.0	983.5	2287.9	3.00	180.00	2490.3	
6	8701.7	0.30	239.62	8302.8	983.3	2287.6	0.25	239.62	2490.0	
7	12450.0	0.30	239.62	12051.0	973.5	2270.9	0.00	0.00	2470.7	D36 496 8515D-25 BHL (2)
8	12550.0	0.30	239.62	12151.0	973.2	2270.4	0.00	0.00	2470.2	
9	13550.0	0.30	239.62	13151.0	970.6	2266.0	0.00	0.00	2465.1	



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1259.0	1294.9	A_GROOVE (TVD)
2453.0	2555.5	GARDEN_GULCH / L-1 (TVD)
5875.0	6168.3	WASATCH_G (TVD)
8153.0	8552.0	WILLIAMS_FORK (TVD)
8193.0	8592.0	TOG (TVD)
12060.0	12459.0	ROLLINS (TVD)
12342.0	12741.0	COZZETTE (TVD)
12483.0	12882.0	LOWER_SEGO (TVD)
12574.0	12973.0	CORCORAN (TVD)
12800.0	13199.0	SEGO (TVD)



Azimuths to True North
Magnetic North: 10.53°

Magnetic Field
Strength: 52437.3nT
Dip Angle: 65.89°
Date: 6/15/2010
Model: IGRF200510

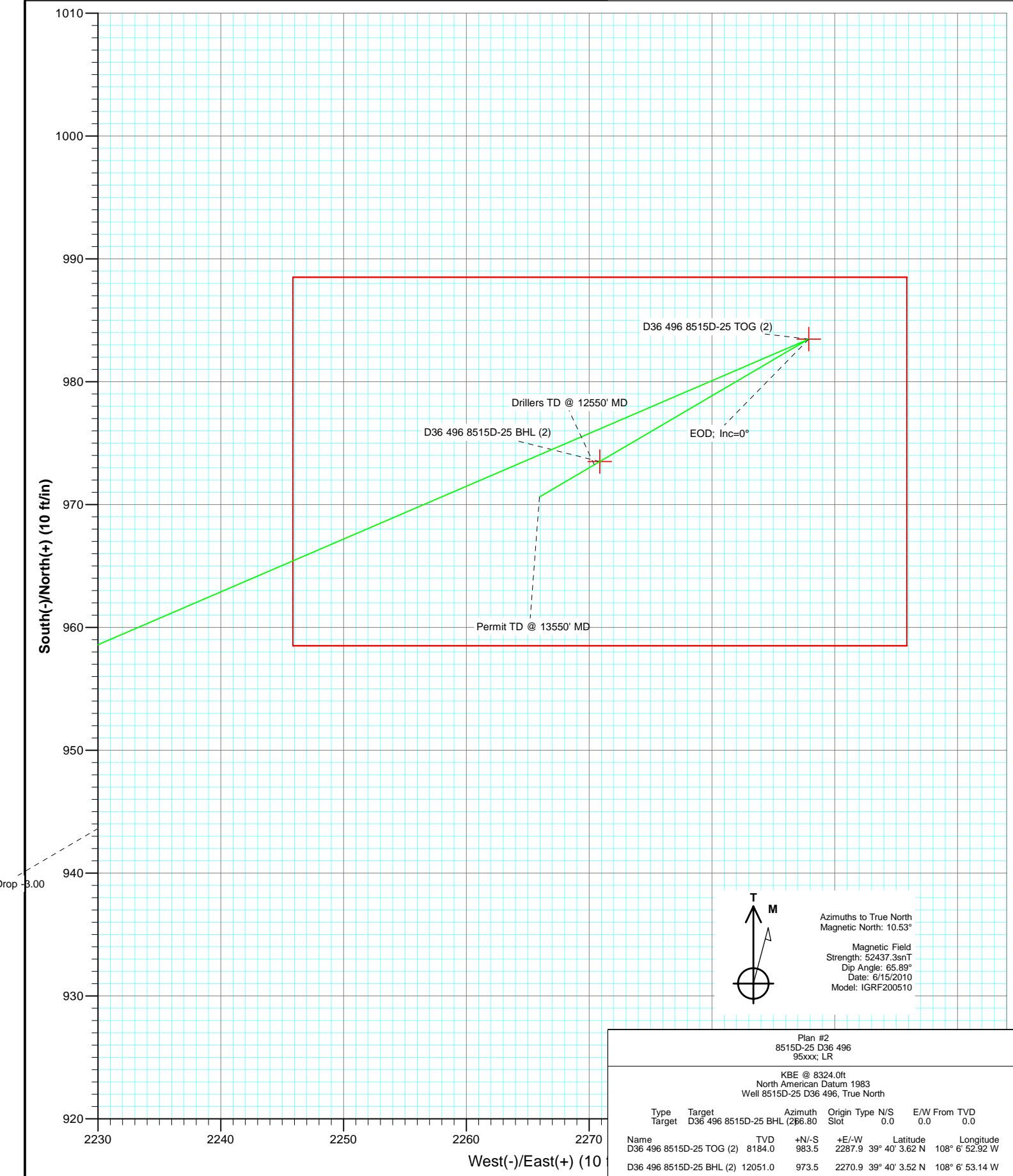
Plan #2
8515D-25 D36 496
95xxx; LR

KBE @ 8324.0ft
North American Datum 1983
Well 8515D-25 D36 496, True North

Type	Target	Azimuth	Origin	Type	N/S	E/W	From
Target	D36 496 8515D-25 BHL (2)	266.80	Slot		0.0	0.0	0.0
Name	D36 496 8515D-25 TOG (2)	TVD	+N/-S	+E/-W	Latitude	Longitude	
		8184.0	983.5	2287.9	39° 40' 3.62 N	108° 6' 52.92 W	
	D36 496 8515D-25 BHL (2)	12051.0	973.5	2270.9	39° 40' 3.52 N	108° 6' 53.14 W	



Project: Story Gulch
Site: S36-T4S-R96W (D36 496)
Well: 8515D-25 D36 496
Wellbore: DD
Plan: Plan #2



Cathedral Energy Services

Planning Report

Database:	EDM 5000.1 US Multi Users DB	Local Co-ordinate Reference:	Well 8515D-25 D36 496
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	KBE @ 8324.0ft
Project:	Story Gulch	MD Reference:	KBE @ 8324.0ft
Site:	S36-T4S-R96W (D36 496)	North Reference:	True
Well:	8515D-25 D36 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #2		

Project	Story Gulch		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Central Zone		

Site		S36-T4S-R96W (D36 496)			
Site Position:		Northing:	1,677,676.10 ft	Latitude:	39° 39' 53.09 N
From:	Lat/Long	Easting:	2,261,675.01 ft	Longitude:	108° 7' 22.74 W
Position Uncertainty:	0.0 ft	Slot Radius:	13.200 in	Grid Convergence:	-1.65 °

Well	8515D-25 D36 496					
Well Position	+N/-S	0.0 ft	Northing:	1,677,756.43 ft	Latitude:	39° 39' 53.90 N
	+E/-W	0.0 ft	Easting:	2,261,720.82 ft	Longitude:	108° 7' 22.18 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	8,302.0 ft

Wellbore	DD				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	6/15/2010	10.54	65.89	52,437

Design	Plan #2				
Audit Notes:					
Version:	Phase:	PLAN	Tie On Depth:	0.0	
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.0	0.0	0.0	66.80	

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
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.00	0.00	
823.5	18.71	66.74	812.5	39.8	92.7	3.00	3.00	0.00	66.74	
7,959.4	18.71	66.74	7,571.5	943.6	2,195.2	0.00	0.00	0.00	0.00	
8,583.0	0.00	0.00	8,184.0	983.5	2,287.9	3.00	-3.00	0.00	180.00	D36 496 8515D-25 TC
8,701.7	0.30	239.62	8,302.8	983.3	2,287.6	0.25	0.25	-101.36	239.62	
12,450.0	0.30	239.62	12,051.0	973.5	2,270.9	0.00	0.00	0.00	0.00	D36 496 8515D-25 BI
12,550.0	0.30	239.62	12,151.0	973.2	2,270.4	0.00	0.00	0.00	0.00	
13,550.0	0.30	239.62	13,151.0	970.6	2,266.0	0.00	0.00	0.00	0.00	

Cathedral Energy Services

Planning Report

Database:	EDM 5000.1 US Multi Users DB	Local Co-ordinate Reference:	Well 8515D-25 D36 496
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	KBE @ 8324.0ft
Project:	Story Gulch	MD Reference:	KBE @ 8324.0ft
Site:	S36-T4S-R96W (D36 496)	North Reference:	True
Well:	8515D-25 D36 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
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)	Comments / Formations
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	KOP @ 200' MD
300.0	3.00	66.74	300.0	1.0	2.4	2.6	3.00	3.00	
400.0	6.00	66.74	399.6	4.1	9.6	10.5	3.00	3.00	
500.0	9.00	66.74	498.8	9.3	21.6	23.5	3.00	3.00	
600.0	12.00	66.74	597.1	16.5	38.3	41.7	3.00	3.00	
700.0	15.00	66.74	694.3	25.7	59.8	65.1	3.00	3.00	
800.0	18.00	66.74	790.2	36.9	85.9	93.5	3.00	3.00	
823.5	18.71	66.74	812.5	39.8	92.7	100.9	3.00	3.00	EOB; Inc=18.71°
900.0	18.71	66.74	884.9	49.5	115.2	125.4	0.00	0.00	
1,000.0	18.71	66.74	979.7	62.2	144.7	157.5	0.00	0.00	
1,100.0	18.71	66.74	1,074.4	74.9	174.1	189.6	0.00	0.00	
1,200.0	18.71	66.74	1,169.1	87.5	203.6	221.6	0.00	0.00	
1,294.9	18.71	66.74	1,259.0	99.5	231.6	252.1	0.00	0.00	A_GROOVE (TVD)
1,300.0	18.71	66.74	1,263.8	100.2	233.1	253.7	0.00	0.00	
1,400.0	18.71	66.74	1,358.5	112.9	262.5	285.8	0.00	0.00	
1,500.0	18.71	66.74	1,453.2	125.5	292.0	317.8	0.00	0.00	
1,600.0	18.71	66.74	1,548.0	138.2	321.5	349.9	0.00	0.00	
1,700.0	18.71	66.74	1,642.7	150.9	350.9	382.0	0.00	0.00	
1,800.0	18.71	66.74	1,737.4	163.5	380.4	414.0	0.00	0.00	
1,900.0	18.71	66.74	1,832.1	176.2	409.9	446.1	0.00	0.00	
2,000.0	18.71	66.74	1,926.8	188.8	439.3	478.2	0.00	0.00	
2,100.0	18.71	66.74	2,021.6	201.5	468.8	510.3	0.00	0.00	
2,200.0	18.71	66.74	2,116.3	214.2	498.2	542.3	0.00	0.00	
2,300.0	18.71	66.74	2,211.0	226.8	527.7	574.4	0.00	0.00	
2,400.0	18.71	66.74	2,305.7	239.5	557.2	606.5	0.00	0.00	
2,500.0	18.71	66.74	2,400.4	252.2	586.6	638.5	0.00	0.00	
2,555.5	18.71	66.74	2,453.0	259.2	603.0	656.3	0.00	0.00	GARDEN_GULCH / L-1 (TVD)
2,600.0	18.71	66.74	2,495.1	264.8	616.1	670.6	0.00	0.00	
2,700.0	18.71	66.74	2,589.9	277.5	645.6	702.7	0.00	0.00	
2,800.0	18.71	66.74	2,684.6	290.2	675.0	734.8	0.00	0.00	
2,900.0	18.71	66.74	2,779.3	302.8	704.5	766.8	0.00	0.00	
3,000.0	18.71	66.74	2,874.0	315.5	734.0	798.9	0.00	0.00	
3,100.0	18.71	66.74	2,968.7	328.2	763.4	831.0	0.00	0.00	
3,200.0	18.71	66.74	3,063.5	340.8	792.9	863.0	0.00	0.00	
3,300.0	18.71	66.74	3,158.2	353.5	822.4	895.1	0.00	0.00	
3,400.0	18.71	66.74	3,252.9	366.2	851.8	927.2	0.00	0.00	
3,500.0	18.71	66.74	3,347.6	378.8	881.3	959.3	0.00	0.00	
3,600.0	18.71	66.74	3,442.3	391.5	910.7	991.3	0.00	0.00	
3,700.0	18.71	66.74	3,537.0	404.2	940.2	1,023.4	0.00	0.00	
3,800.0	18.71	66.74	3,631.8	416.8	969.7	1,055.5	0.00	0.00	
3,900.0	18.71	66.74	3,726.5	429.5	999.1	1,087.5	0.00	0.00	
4,000.0	18.71	66.74	3,821.2	442.2	1,028.6	1,119.6	0.00	0.00	
4,100.0	18.71	66.74	3,915.9	454.8	1,058.1	1,151.7	0.00	0.00	
4,200.0	18.71	66.74	4,010.6	467.5	1,087.5	1,183.7	0.00	0.00	
4,300.0	18.71	66.74	4,105.3	480.2	1,117.0	1,215.8	0.00	0.00	
4,400.0	18.71	66.74	4,200.1	492.8	1,146.5	1,247.9	0.00	0.00	
4,500.0	18.71	66.74	4,294.8	505.5	1,175.9	1,280.0	0.00	0.00	
4,600.0	18.71	66.74	4,389.5	518.1	1,205.4	1,312.0	0.00	0.00	
4,700.0	18.71	66.74	4,484.2	530.8	1,234.8	1,344.1	0.00	0.00	
4,800.0	18.71	66.74	4,578.9	543.5	1,264.3	1,376.2	0.00	0.00	

Cathedral Energy Services

Planning Report

Database:	EDM 5000.1 US Multi Users DB	Local Co-ordinate Reference:	Well 8515D-25 D36 496
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	KBE @ 8324.0ft
Project:	Story Gulch	MD Reference:	KBE @ 8324.0ft
Site:	S36-T4S-R96W (D36 496)	North Reference:	True
Well:	8515D-25 D36 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
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)	Comments / Formations
4,900.0	18.71	66.74	4,673.7	556.1	1,293.8	1,408.2	0.00	0.00	
5,000.0	18.71	66.74	4,768.4	568.8	1,323.2	1,440.3	0.00	0.00	
5,100.0	18.71	66.74	4,863.1	581.5	1,352.7	1,472.4	0.00	0.00	
5,200.0	18.71	66.74	4,957.8	594.1	1,382.2	1,504.5	0.00	0.00	
5,300.0	18.71	66.74	5,052.5	606.8	1,411.6	1,536.5	0.00	0.00	
5,400.0	18.71	66.74	5,147.2	619.5	1,441.1	1,568.6	0.00	0.00	
5,500.0	18.71	66.74	5,242.0	632.1	1,470.6	1,600.7	0.00	0.00	
5,600.0	18.71	66.74	5,336.7	644.8	1,500.0	1,632.7	0.00	0.00	
5,700.0	18.71	66.74	5,431.4	657.5	1,529.5	1,664.8	0.00	0.00	
5,800.0	18.71	66.74	5,526.1	670.1	1,559.0	1,696.9	0.00	0.00	
5,900.0	18.71	66.74	5,620.8	682.8	1,588.4	1,729.0	0.00	0.00	
6,000.0	18.71	66.74	5,715.5	695.5	1,617.9	1,761.0	0.00	0.00	
6,100.0	18.71	66.74	5,810.3	708.1	1,647.3	1,793.1	0.00	0.00	
6,168.3	18.71	66.74	5,875.0	716.8	1,667.5	1,815.0	0.00	0.00	WASATCH_G (TVD)
6,200.0	18.71	66.74	5,905.0	720.8	1,676.8	1,825.2	0.00	0.00	
6,300.0	18.71	66.74	5,999.7	733.5	1,706.3	1,857.2	0.00	0.00	
6,400.0	18.71	66.74	6,094.4	746.1	1,735.7	1,889.3	0.00	0.00	
6,500.0	18.71	66.74	6,189.1	758.8	1,765.2	1,921.4	0.00	0.00	
6,600.0	18.71	66.74	6,283.9	771.5	1,794.7	1,953.4	0.00	0.00	
6,700.0	18.71	66.74	6,378.6	784.1	1,824.1	1,985.5	0.00	0.00	
6,800.0	18.71	66.74	6,473.3	796.8	1,853.6	2,017.6	0.00	0.00	
6,900.0	18.71	66.74	6,568.0	809.5	1,883.1	2,049.7	0.00	0.00	
7,000.0	18.71	66.74	6,662.7	822.1	1,912.5	2,081.7	0.00	0.00	
7,100.0	18.71	66.74	6,757.4	834.8	1,942.0	2,113.8	0.00	0.00	
7,200.0	18.71	66.74	6,852.2	847.5	1,971.4	2,145.9	0.00	0.00	
7,300.0	18.71	66.74	6,946.9	860.1	2,000.9	2,177.9	0.00	0.00	
7,400.0	18.71	66.74	7,041.6	872.8	2,030.4	2,210.0	0.00	0.00	
7,500.0	18.71	66.74	7,136.3	885.4	2,059.8	2,242.1	0.00	0.00	
7,600.0	18.71	66.74	7,231.0	898.1	2,089.3	2,274.2	0.00	0.00	
7,700.0	18.71	66.74	7,325.8	910.8	2,118.8	2,306.2	0.00	0.00	
7,800.0	18.71	66.74	7,420.5	923.4	2,148.2	2,338.3	0.00	0.00	
7,900.0	18.71	66.74	7,515.2	936.1	2,177.7	2,370.4	0.00	0.00	
7,959.4	18.71	66.74	7,571.5	943.6	2,195.2	2,389.4	0.00	0.00	Start Drop -3.00
8,000.0	17.49	66.74	7,610.0	948.6	2,206.8	2,402.0	3.00	-3.00	
8,100.0	14.49	66.74	7,706.2	959.5	2,232.1	2,429.6	3.00	-3.00	
8,200.0	11.49	66.74	7,803.6	968.4	2,252.7	2,452.0	3.00	-3.00	
8,300.0	8.49	66.74	7,902.1	975.2	2,268.7	2,469.4	3.00	-3.00	
8,400.0	5.49	66.74	8,001.3	980.0	2,279.8	2,481.6	3.00	-3.00	
8,500.0	2.49	66.74	8,101.1	982.8	2,286.2	2,488.5	3.00	-3.00	
8,552.0	0.93	66.74	8,153.0	983.4	2,287.7	2,490.1	3.00	-3.00	WILLIAMS_FORK (TVD)
8,583.0	0.00	0.00	8,184.0	983.5	2,287.9	2,490.3	3.00	-3.00	EOD; Inc=0° - D36 496 8515D-25 TOG (2)
8,592.0	0.02	239.62	8,193.0	983.5	2,287.9	2,490.3	0.25	0.25	TOG (TVD)
8,600.0	0.04	239.62	8,201.0	983.5	2,287.9	2,490.3	0.25	0.25	
8,700.0	0.29	239.62	8,301.0	983.3	2,287.6	2,490.0	0.25	0.25	
8,701.7	0.30	239.62	8,302.8	983.3	2,287.6	2,490.0	0.25	0.25	
8,800.0	0.30	239.62	8,401.0	983.1	2,287.2	2,489.5	0.00	0.00	
8,900.0	0.30	239.62	8,501.0	982.8	2,286.7	2,489.0	0.00	0.00	
9,000.0	0.30	239.62	8,601.0	982.5	2,286.3	2,488.5	0.00	0.00	
9,100.0	0.30	239.62	8,701.0	982.3	2,285.8	2,488.0	0.00	0.00	
9,200.0	0.30	239.62	8,801.0	982.0	2,285.4	2,487.4	0.00	0.00	
9,300.0	0.30	239.62	8,901.0	981.8	2,285.0	2,486.9	0.00	0.00	
9,400.0	0.30	239.62	9,001.0	981.5	2,284.5	2,486.4	0.00	0.00	

Cathedral Energy Services

Planning Report

Database:	EDM 5000.1 US Multi Users DB	Local Co-ordinate Reference:	Well 8515D-25 D36 496
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	KBE @ 8324.0ft
Project:	Story Gulch	MD Reference:	KBE @ 8324.0ft
Site:	S36-T4S-R96W (D36 496)	North Reference:	True
Well:	8515D-25 D36 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
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)	Comments / Formations
9,500.0	0.30	239.62	9,101.0	981.2	2,284.1	2,485.9	0.00	0.00	
9,600.0	0.30	239.62	9,201.0	981.0	2,283.6	2,485.4	0.00	0.00	
9,700.0	0.30	239.62	9,301.0	980.7	2,283.2	2,484.9	0.00	0.00	
9,800.0	0.30	239.62	9,401.0	980.4	2,282.7	2,484.4	0.00	0.00	
9,900.0	0.30	239.62	9,501.0	980.2	2,282.3	2,483.9	0.00	0.00	
10,000.0	0.30	239.62	9,601.0	979.9	2,281.8	2,483.3	0.00	0.00	
10,100.0	0.30	239.62	9,701.0	979.7	2,281.4	2,482.8	0.00	0.00	
10,200.0	0.30	239.62	9,801.0	979.4	2,280.9	2,482.3	0.00	0.00	
10,300.0	0.30	239.62	9,901.0	979.1	2,280.5	2,481.8	0.00	0.00	
10,400.0	0.30	239.62	10,001.0	978.9	2,280.0	2,481.3	0.00	0.00	
10,500.0	0.30	239.62	10,101.0	978.6	2,279.6	2,480.8	0.00	0.00	
10,600.0	0.30	239.62	10,201.0	978.3	2,279.1	2,480.3	0.00	0.00	
10,700.0	0.30	239.62	10,301.0	978.1	2,278.7	2,479.7	0.00	0.00	
10,800.0	0.30	239.62	10,401.0	977.8	2,278.2	2,479.2	0.00	0.00	
10,900.0	0.30	239.62	10,501.0	977.6	2,277.8	2,478.7	0.00	0.00	
11,000.0	0.30	239.62	10,601.0	977.3	2,277.4	2,478.2	0.00	0.00	
11,100.0	0.30	239.62	10,701.0	977.0	2,276.9	2,477.7	0.00	0.00	
11,200.0	0.30	239.62	10,801.0	976.8	2,276.5	2,477.2	0.00	0.00	
11,300.0	0.30	239.62	10,901.0	976.5	2,276.0	2,476.7	0.00	0.00	
11,400.0	0.30	239.62	11,001.0	976.3	2,275.6	2,476.1	0.00	0.00	
11,500.0	0.30	239.62	11,101.0	976.0	2,275.1	2,475.6	0.00	0.00	
11,600.0	0.30	239.62	11,201.0	975.7	2,274.7	2,475.1	0.00	0.00	
11,700.0	0.30	239.62	11,301.0	975.5	2,274.2	2,474.6	0.00	0.00	
11,800.0	0.30	239.62	11,401.0	975.2	2,273.8	2,474.1	0.00	0.00	
11,900.0	0.30	239.62	11,501.0	974.9	2,273.3	2,473.6	0.00	0.00	
12,000.0	0.30	239.62	11,601.0	974.7	2,272.9	2,473.1	0.00	0.00	
12,100.0	0.30	239.62	11,701.0	974.4	2,272.4	2,472.5	0.00	0.00	
12,200.0	0.30	239.62	11,801.0	974.2	2,272.0	2,472.0	0.00	0.00	
12,300.0	0.30	239.62	11,901.0	973.9	2,271.5	2,471.5	0.00	0.00	
12,400.0	0.30	239.62	12,001.0	973.6	2,271.1	2,471.0	0.00	0.00	
12,449.3	0.30	239.62	12,050.2	973.5	2,270.9	2,470.7	0.00	0.00	D36 496 8515D-25 BHL
12,450.0	0.30	239.62	12,051.0	973.5	2,270.9	2,470.7	0.00	0.00	D36 496 8515D-25 BHL (2)
12,459.0	0.30	239.62	12,060.0	973.5	2,270.8	2,470.7	0.00	0.00	ROLLINS (TVD)
12,500.0	0.30	239.62	12,101.0	973.4	2,270.6	2,470.5	0.00	0.00	
12,550.0	0.30	239.62	12,151.0	973.2	2,270.4	2,470.2	0.00	0.00	Drillers TD @ 12550' MD
12,600.0	0.30	239.62	12,201.0	973.1	2,270.2	2,470.0	0.00	0.00	
12,700.0	0.30	239.62	12,301.0	972.8	2,269.8	2,469.5	0.00	0.00	
12,741.0	0.30	239.62	12,342.0	972.7	2,269.6	2,469.2	0.00	0.00	COZZETTE (TVD)
12,800.0	0.30	239.62	12,401.0	972.6	2,269.3	2,468.9	0.00	0.00	
12,882.0	0.30	239.62	12,483.0	972.4	2,268.9	2,468.5	0.00	0.00	LOWER_SEGO (TVD)
12,900.0	0.30	239.62	12,501.0	972.3	2,268.9	2,468.4	0.00	0.00	
12,973.0	0.30	239.62	12,574.0	972.1	2,268.5	2,468.1	0.00	0.00	CORCORAN (TVD)
13,000.0	0.30	239.62	12,601.0	972.1	2,268.4	2,467.9	0.00	0.00	
13,100.0	0.30	239.62	12,701.0	971.8	2,268.0	2,467.4	0.00	0.00	
13,199.0	0.30	239.62	12,800.0	971.5	2,267.5	2,466.9	0.00	0.00	SEGO (TVD)
13,200.0	0.30	239.62	12,801.0	971.5	2,267.5	2,466.9	0.00	0.00	
13,300.0	0.30	239.62	12,901.0	971.3	2,267.1	2,466.4	0.00	0.00	
13,400.0	0.30	239.62	13,001.0	971.0	2,266.6	2,465.9	0.00	0.00	
13,500.0	0.30	239.62	13,101.0	970.8	2,266.2	2,465.3	0.00	0.00	
13,550.0	0.30	239.62	13,151.0	970.6	2,266.0	2,465.1	0.00	0.00	Permit TD @ 13550' MD

Cathedral Energy Services

Planning Report

Database:	EDM 5000.1 US Multi Users DB	Local Co-ordinate Reference:	Well 8515D-25 D36 496
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	KBE @ 8324.0ft
Project:	Story Gulch	MD Reference:	KBE @ 8324.0ft
Site:	S36-T4S-R96W (D36 496)	North Reference:	True
Well:	8515D-25 D36 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #2		

Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
D36 496 8515D-25 BHL	0.00	0.00	12,049.0	544.5	2,244.3	1,678,235.90	2,263,979.92	39° 39' 59.28 N	108° 6' 53.48 W
- plan misses target center by 429.8ft at 12449.3ft MD (12050.2 TVD, 973.5 N, 2270.9 E)									
- Rectangle (sides W30.0 H50.0 D0.0)									
D36 496 8515D-25 BHL	0.00	0.00	12,051.0	973.5	2,270.9	1,678,663.98	2,264,018.85	39° 40' 3.52 N	108° 6' 53.14 W
- plan hits target center									
- Rectangle (sides W30.0 H50.0 D0.0)									
D36 496 8515D-25 TOG	0.00	0.00	8,184.0	983.5	2,287.9	1,678,673.46	2,264,036.15	39° 40' 3.62 N	108° 6' 52.92 W
- plan hits target center									
- Point									

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(ft)	(ft)			(°)	(°)	
1,294.9	1,259.0	A_GROOVE (TVD)				
2,555.5	2,453.0	GARDEN_GULCH / L-1 (TVD)				
6,168.3	5,875.0	WASATCH_G (TVD)				
8,552.0	8,153.0	WILLIAMS_FORK (TVD)				
8,592.0	8,193.0	TOG (TVD)				
12,459.0	12,060.0	ROLLINS (TVD)				
12,741.0	12,342.0	COZZETTE (TVD)				
12,882.0	12,483.0	LOWER_SEGO (TVD)				
12,973.0	12,574.0	CORCORAN (TVD)				
13,199.0	12,800.0	SEGO (TVD)				

Plan Annotations				
Measured Depth	Vertical Depth	Local Coordinates		Comment
(ft)	(ft)	+N/-S (ft)	+E/-W (ft)	
200.0	200.0	0.0	0.0	KOP @ 200' MD
823.5	812.5	39.8	92.7	EOB; Inc=18.71°
7,959.4	7,571.5	943.6	2,195.2	Start Drop -3.00
8,583.0	8,184.0	983.5	2,287.9	EOD; Inc=0°
12,550.0	12,151.0	983.3	2,287.6	Drillers TD @ 12550' MD
13,550.0	13,151.0	973.5	2,270.9	Permit TD @ 13550' MD