

Submit 1 Copy To Appropriate District Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised July 18, 2013

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-045-35482
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator Encana Oil & Gas (USA) Inc.		6. State Oil & Gas Lease No. LG 5686
3. Address of Operator 370 17 th Street, Suite 1700, Denver, Colorado 80202		7. Lease Name or Unit Agreement Name
4. Well Location SHL: Unit Letter: <u>P 1311</u> feet from the SOUTH line and <u>255</u> feet from the EAST line BHL: Unit Letter: <u>M 860</u> feet from the SOUTH line and <u>330</u> feet from the WEST line Section: 36 Township 24N Range 10W NMPM San Juan County		8. Well Number Good Times P36-2410 02H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6874' GR		9. OGRID Number 282327
		10. Pool name or Wildcat South Bisti Gallup (5680)

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☒	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: ☐		OTHER: ☐	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Encana Oil & Gas (USA) Inc. (Encana) requests approval to land the Total Vertical Depth (TVD) of the Good Times P36-2410 02H (API: 30-045-35482-0000) approximately 180' above the original TVD. The new TVD target is still within the Gallup formation and still within the depths defining the permitted pool. 7" casing will be set @ 366.2' west of the SHL on the new plan. The 7" casing point is still located on the legal side of our setbacks within the permitted project area. The updated plan is attached for your reference.

* APP CON'S still apply

Spud Date: Estimated: 05/24/14

Rig Release Date: Estimated: 06/05/14

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Jessica Gregg TITLE Regulatory Analyst DATE 05/01/2014

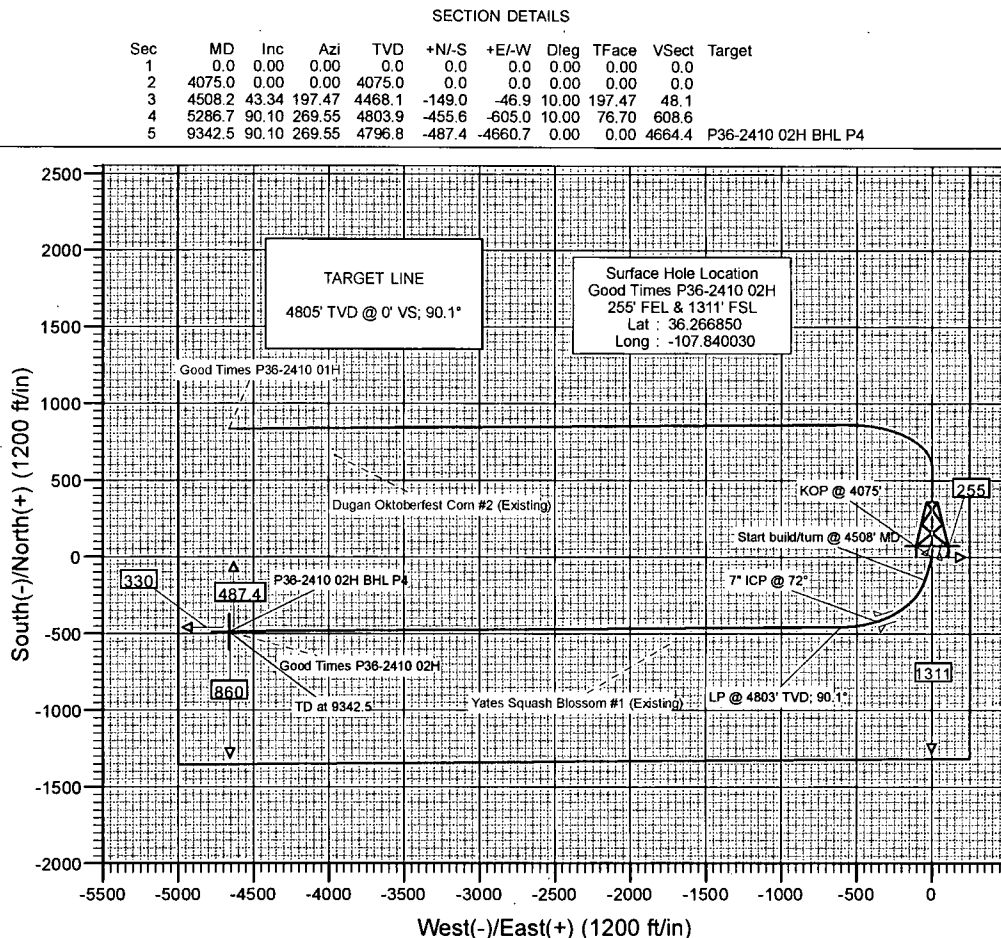
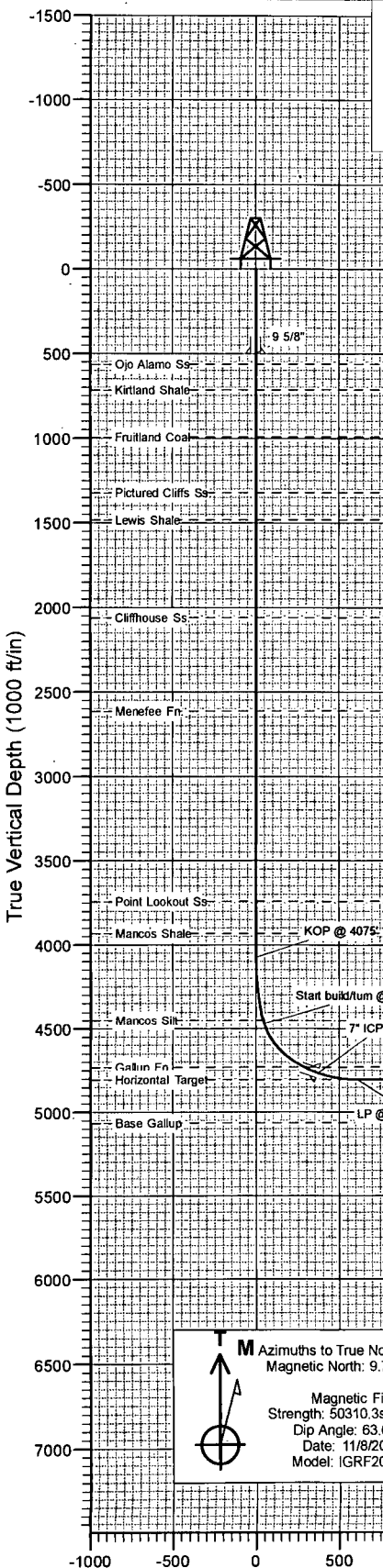
Type or print name Jessica Gregg E-mail address: jessica.gregg@encana.com PHONE: 720-876-3926

For State Use Only

APPROVED BY: WHL 1/1/14 TITLE GEOLOGIST DISTRICT #3 DATE 5/7/14
Conditions of Approval (if any): AV

encana

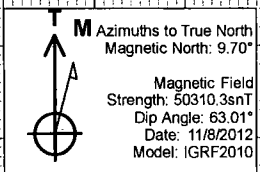
Project: San Juan County, NM
 Site: S36-T24N-R10W (Good Times)
 Well: Good Times P36-2410 02H
 Wellbore: HZ
 Design: Plan #4



DESIGN TARGET DETAILS							
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
P36-2410 02H BHL P4	-487.4	-4660.7	1915949.12	2716462.30	36.265510	-107.855840	

CASING DETAILS		
TVD	MD	Name
500.0	500.0	9 5/8"
4765.4	5040.1	7" ICP @ 72°

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
564.0	564.0	Ojo Alamo Ss.
716.0	716.0	Kirtland Shale
994.0	994.0	Fruitland Coal
1322.0	1322.0	Pictured Cliffs Ss.
1484.0	1484.0	Lewis Shale
2061.0	2061.0	Cliffhouse Ss.
2614.0	2614.0	Menefee Fn.
3742.0	3742.0	Point Lookout Ss.
3932.0	3932.0	Mancos Shale
4449.9	4483.8	Mancos Silt
4730.5	4944.3	Gallup Fn.



Plan #4
 Good Times P36-2410 02H
 KB @ 6890.0ft (Aztec)
 Ground Elevation @ 6874.0
 North American Datum 1983
 Well Good Times P36-2410 02H, True North

Vertical Section at 269.55° (1000 ft/in)

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Good Times P36-2410 02H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	KB @ 6890.0usft (Aztec)
Project:	San Juan County, NM	MD Reference:	KB @ 6890.0usft (Aztec)
Site:	S36-T24N-R10W (Good Times)	North Reference:	True
Well:	Good Times P36-2410 02H	Survey Calculation Method:	Minimum Curvature
Wellbore:	HZ		
Design:	Plan #4		

Project	San Juan County, NM		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Western Zone		

Site	S36-T24N-R10W (Good Times)		
Site Position:		Northing:	1,937,827.53 usft
From:	Lat/Long	Easting:	2,706,096.15 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16"
		Latitude:	36.325610
		Longitude:	-107.891030
		Grid Convergence:	-0.03 °

Well	Good Times P36-2410 02H		
Well Position	+N/-S	0.0 usft	Northing: 1,916,432.38 usft
	+E/-W	0.0 usft	Easting: 2,721,117.57 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	36.266850
		Longitude:	-107.840030
		Ground Level:	6,874.0 usft

Wellbore	HZ		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2010	11/8/2012	9.70
			Dip Angle
			(°)
			63.01
			Field Strength
			(nT)
			50,310

Design	Plan #4		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			(°)
			269.55

Plan Sections										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Dogleg	Build	Turn	TFO	Target
Depth	(°)	(°)	Depth	(usft)	(usft)	Rate	Rate	Rate	(°)	
(usft)			(usft)			(°/100usft)	(°/100usft)	(°/100usft)		
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,075.0	0.00	0.00	4,075.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,508.2	43.34	197.47	4,468.1	-149.0	-46.9	10.00	10.00	0.00	197.47	
5,286.7	90.10	269.55	4,803.9	-455.6	-605.0	10.00	6.01	9.26	76.70	
9,342.5	90.10	269.55	4,796.8	-487.4	-4,660.7	0.00	0.00	0.00	0.00	P36-2410 02H BHL P

Cathedral Energy Services

Planning Report

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Project:	San Juan County, NM	MD Reference:	KB @ 6890.0usft (Aztec)
Site:	S36-T24N-R10W (Good Times)	North Reference:	True
Well:	Good Times P36-2410 02H	Survey Calculation Method:	Minimum Curvature
Wellbore:	HZ		
Design:	Plan #4		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100u)	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	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	9 5/8"
564.0	0.00	0.00	564.0	0.0	0.0	0.0	0.00	0.00	Ojo Alamo Ss.
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	
716.0	0.00	0.00	716.0	0.0	0.0	0.0	0.00	0.00	Kirtland Shale
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	
994.0	0.00	0.00	994.0	0.0	0.0	0.0	0.00	0.00	Fruitland Coal
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	
1,322.0	0.00	0.00	1,322.0	0.0	0.0	0.0	0.00	0.00	Pictured Cliffs Ss.
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	
1,484.0	0.00	0.00	1,484.0	0.0	0.0	0.0	0.00	0.00	Lewis Shale
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	
2,061.0	0.00	0.00	2,061.0	0.0	0.0	0.0	0.00	0.00	Cliffhouse Ss.
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	
2,614.0	0.00	0.00	2,614.0	0.0	0.0	0.0	0.00	0.00	Menefee Fn.
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	
3,742.0	0.00	0.00	3,742.0	0.0	0.0	0.0	0.00	0.00	Point Lookout Ss.
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	
3,932.0	0.00	0.00	3,932.0	0.0	0.0	0.0	0.00	0.00	Mancos Shale
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	
4,075.0	0.00	0.00	4,075.0	0.0	0.0	0.0	0.00	0.00	KOP @ 4075'
4,100.0	2.50	197.47	4,100.0	-0.5	-0.2	0.2	10.00	10.00	

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Good Times P36-2410 02H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	KB @ 6890.0usft (Aztec)
Project:	San Juan County, NM	MD Reference:	KB @ 6890.0usft (Aztec)
Site:	S36-T24N-R10W (Good Times)	North Reference:	True
Well:	Good Times P36-2410 02H	Survey Calculation Method:	Minimum Curvature
Wellbore:	HZ		
Design:	Plan #4		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100u)	Comments / Formations
4,200.0	12.50	197.47	4,199.0	-13.0	-4.1	4.2	10.00	10.00	
4,300.0	22.51	197.47	4,294.2	-41.6	-13.1	13.4	10.00	10.00	
4,400.0	32.51	197.47	4,382.8	-85.6	-26.9	27.6	10.00	10.00	
4,483.7	40.89	197.47	4,449.9	-133.3	-42.0	43.0	10.00	10.00	Mancos Silt
4,500.0	42.51	197.47	4,462.1	-143.6	-45.2	46.3	10.00	10.00	
4,508.2	43.34	197.47	4,468.1	-149.0	-46.9	48.1	10.00	10.00	Start build/turn @ 4508' MD
4,600.0	46.15	209.91	4,533.4	-207.8	-72.9	74.5	10.00	3.06	
4,700.0	50.58	221.93	4,599.9	-268.0	-116.8	118.9	10.00	4.43	
4,800.0	56.09	232.35	4,659.7	-322.2	-175.6	178.1	10.00	5.51	
4,900.0	62.36	241.44	4,711.0	-368.8	-247.5	250.4	10.00	6.28	
4,944.3	65.32	245.11	4,730.5	-386.7	-283.1	286.1	10.00	6.68	Gallup Fn.
5,000.0	69.16	249.49	4,752.1	-406.5	-330.4	333.6	10.00	6.90	
5,040.1	72.00	252.51	4,765.4	-418.8	-366.2	369.5	10.00	7.06	7" ICP @ 72°
5,100.0	76.31	256.83	4,781.7	-434.0	-421.7	425.1	10.00	7.20	
5,200.0	83.65	263.73	4,799.2	-450.5	-518.7	522.2	10.00	7.35	
5,286.7	90.10	269.55	4,803.9	-455.6	-605.0	608.6	10.00	7.43	LP @ 4803' TVD; 90.1°
5,300.0	90.10	269.55	4,803.9	-455.7	-618.3	621.9	0.00	0.00	
5,400.0	90.10	269.55	4,803.7	-456.4	-718.3	721.9	0.00	0.00	
5,500.0	90.10	269.55	4,803.5	-457.2	-818.3	821.9	0.00	0.00	
5,600.0	90.10	269.55	4,803.3	-458.0	-918.3	921.9	0.00	0.00	
5,700.0	90.10	269.55	4,803.2	-458.8	-1,018.3	1,021.9	0.00	0.00	
5,800.0	90.10	269.55	4,803.0	-459.6	-1,118.3	1,121.9	0.00	0.00	
5,900.0	90.10	269.55	4,802.8	-460.4	-1,218.3	1,221.9	0.00	0.00	
6,000.0	90.10	269.55	4,802.6	-461.2	-1,318.3	1,321.9	0.00	0.00	
6,100.0	90.10	269.55	4,802.5	-461.9	-1,418.3	1,421.9	0.00	0.00	
6,200.0	90.10	269.55	4,802.3	-462.7	-1,518.3	1,521.9	0.00	0.00	
6,300.0	90.10	269.55	4,802.1	-463.5	-1,618.3	1,621.9	0.00	0.00	
6,400.0	90.10	269.55	4,801.9	-464.3	-1,718.3	1,721.9	0.00	0.00	
6,500.0	90.10	269.55	4,801.8	-465.1	-1,818.3	1,821.9	0.00	0.00	
6,600.0	90.10	269.55	4,801.6	-465.9	-1,918.3	1,921.9	0.00	0.00	
6,700.0	90.10	269.55	4,801.4	-466.7	-2,018.3	2,021.9	0.00	0.00	
6,800.0	90.10	269.55	4,801.2	-467.4	-2,118.3	2,121.9	0.00	0.00	
6,900.0	90.10	269.55	4,801.1	-468.2	-2,218.3	2,221.9	0.00	0.00	
7,000.0	90.10	269.55	4,800.9	-469.0	-2,318.3	2,321.9	0.00	0.00	
7,100.0	90.10	269.55	4,800.7	-469.8	-2,418.2	2,421.9	0.00	0.00	
7,200.0	90.10	269.55	4,800.5	-470.6	-2,518.2	2,521.9	0.00	0.00	
7,300.0	90.10	269.55	4,800.4	-471.4	-2,618.2	2,621.9	0.00	0.00	
7,400.0	90.10	269.55	4,800.2	-472.2	-2,718.2	2,721.9	0.00	0.00	
7,500.0	90.10	269.55	4,800.0	-472.9	-2,818.2	2,821.9	0.00	0.00	
7,600.0	90.10	269.55	4,799.8	-473.7	-2,918.2	2,921.9	0.00	0.00	
7,700.0	90.10	269.55	4,799.7	-474.5	-3,018.2	3,021.9	0.00	0.00	
7,800.0	90.10	269.55	4,799.5	-475.3	-3,118.2	3,121.9	0.00	0.00	
7,900.0	90.10	269.55	4,799.3	-476.1	-3,218.2	3,221.9	0.00	0.00	
8,000.0	90.10	269.55	4,799.1	-476.9	-3,318.2	3,321.9	0.00	0.00	
8,100.0	90.10	269.55	4,799.0	-477.7	-3,418.2	3,421.9	0.00	0.00	
8,200.0	90.10	269.55	4,798.8	-478.4	-3,518.2	3,521.9	0.00	0.00	
8,300.0	90.10	269.55	4,798.6	-479.2	-3,618.2	3,621.9	0.00	0.00	
8,400.0	90.10	269.55	4,798.4	-480.0	-3,718.2	3,721.9	0.00	0.00	
8,500.0	90.10	269.55	4,798.3	-480.8	-3,818.2	3,821.9	0.00	0.00	
8,600.0	90.10	269.55	4,798.1	-481.6	-3,918.2	3,921.9	0.00	0.00	
8,700.0	90.10	269.55	4,797.9	-482.4	-4,018.2	4,021.9	0.00	0.00	
8,800.0	90.10	269.55	4,797.7	-483.2	-4,118.2	4,121.9	0.00	0.00	

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Good Times P36-2410 02H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	KB @ 6890.0usft (Aztec)
Project:	San Juan County, NM	MD Reference:	KB @ 6890.0usft (Aztec)
Site:	S36-T24N-R10W (Good Times)	North Reference:	True
Well:	Good Times P36-2410 02H	Survey Calculation Method:	Minimum Curvature
Wellbore:	HZ		
Design:	Plan #4		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100u)	Comments / Formations
8,900.0	90.10	269.55	4,797.6	-483.9	-4,218.2	4,221.9	0.00	0.00	
9,000.0	90.10	269.55	4,797.4	-484.7	-4,318.2	4,321.9	0.00	0.00	
9,100.0	90.10	269.55	4,797.2	-485.5	-4,418.2	4,421.9	0.00	0.00	
9,200.0	90.10	269.55	4,797.0	-486.3	-4,518.2	4,521.9	0.00	0.00	
9,300.0	90.10	269.55	4,796.9	-487.1	-4,618.2	4,621.9	0.00	0.00	
9,342.5	90.10	269.55	4,796.8	-487.4	-4,660.7	4,664.4	0.00	0.00	TD at 9342.5

Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
P36-2410 02H BHL P4	0.00	359.99	4,796.8	-487.4	-4,660.7	1,915,945.29	2,716,456.87	36.265510	-107.855840
- plan hits target center									
- Point									
P36-2410 02H BHL	0.00	359.99	4,605.8	429.9	-4,660.5	1,916,862.63	2,716,457.08	36.268030	-107.855840
- plan misses target center by 937.0usft at 9335.5usft MD (4796.8 TVD, -487.4 N, -4653.7 E)									
- Point									
P36-2410 02H BHL P3	0.00	359.99	4,972.8	-487.4	-4,660.7	1,915,945.29	2,716,456.87	36.265510	-107.855840
- plan misses target center by 176.0usft at 9342.2usft MD (4796.8 TVD, -487.4 N, -4660.4 E)									
- Point									

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
5,040.1	4,765.4	7" ICP @ 72°	7	7-1/2
500.0	500.0	9 5/8"	9-5/8	12-1/4

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
564.0	564.0	Ojo Alamo Ss.		-0.10	269.55
716.0	716.0	Kirtland Shale		-0.10	269.55
994.0	994.0	Fruitland Coal		-0.10	269.55
1,322.0	1,322.0	Pictured Cliffs Ss.		-0.10	269.55
1,484.0	1,484.0	Lewis Shale		-0.10	269.55
2,061.0	2,061.0	Cliffhouse Ss.		-0.10	269.55
2,614.0	2,614.0	Menefee Fn.		-0.10	269.55
3,742.0	3,742.0	Point Lookout Ss.		-0.10	269.55
3,932.0	3,932.0	Mancos Shale		-0.10	269.55
4,483.7	4,450.0	Mancos Silt		-0.10	269.55
4,944.3	4,731.0	Gallup Fn.		-0.10	269.55

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Good Times P36-2410 02H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	KB @ 6890.0usft (Aztec)
Project:	San Juan County, NM	MD Reference:	KB @ 6890.0usft (Aztec)
Site:	S36-T24N-R10W (Good Times)	North Reference:	True
Well:	Good Times P36-2410 02H	Survey Calculation Method:	Minimum Curvature
Wellbore:	HZ		
Design:	Plan #4		

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
4,075.0	4,075.0	0.0	0.0	KOP @ 4075'
4,508.2	4,468.1	-149.0	-46.9	Start build/turn @ 4508' MD
5,286.7	4,803.9	-455.6	-605.0	LP @ 4803' TVD; 90.1°
9,342.5	4,796.8	-487.4	-4,660.7	TD at 9342.5

EnCana Oil & Gas (USA) Inc

San Juan County, NM

S36-T24N-R10W (Good Times)

Good Times P36-2410 02H

HZ

Plan #4

Anticollision Report

28 April, 2014

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Good Times P36-2410 02H
Project:	San Juan County, NM	TVD Reference:	KB @ 6890.0ft (Aztec)
Reference Site:	S36-T24N-R10W (Good Times)	MD Reference:	KB @ 6890.0ft (Aztec)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Good Times P36-2410 02H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	HZ	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #4	Offset TVD Reference:	Offset Datum

Reference	Plan #4
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria
Interpolation Method:	MD Interval 100.0ft
Depth Range:	Unlimited
Results Limited by:	Maximum center-center distance of 1,000.0ft
Warning Levels Evaluated at:	2.00 Sigma
Error Model:	Systematic Ellipse
Scan Method:	Closest Approach 3D
Error Surface:	Elliptical Conic

Survey Tool Program	Date	4/28/2014
From (ft)	To (ft)	Survey (Wellbore)
0.0	9,342.5	Plan #4 (HZ)
		Tool Name
		MWD
		Description
		Geolink MWD

Summary						
Site Name	Reference Measured Depth	Offset Measured Depth	Distance Between Centres	Distance Between Ellipses	Separation Factor	Warning
Offset Well - Wellbore - Design	Depth (ft)	Depth (ft)	(ft)	(ft)		
S36-T24N-R10W (Good Times)						
Dugan Champ #9 (Existing) - Existing - Existing						Out of range
Dugan Fairway #1 (Existing) - Existing - Existing						Out of range
Dugan Octoberfest #1 (Existing) - Existing - Existing						Out of range
Dugan Oktoberfest Com #2 (Existing) - Existing - Existing						Out of range
Good Times P36-2410 01H - HZ - Plan #5	2,600.0	2,600.0	29.1	20.1	3.229	CC, ES, SF
Yates Squash Blossom #1 (Existing) - Existing - Existing	6,421.3	4,840.5	101.0	49.3	1.955	CC, ES, SF

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Good Times P36-2410 02H
Project:	San Juan County, NM	TVD Reference:	KB @ 6890.0ft (Aztec)
Reference Site:	S36-T24N-R10W (Good Times)	MD Reference:	KB @ 6890.0ft (Aztec)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Good Times P36-2410 02H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	HZ	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #4	Offset TVD Reference:	Offset Datum

Offset Design S36-T24N-R10W (Good Times) - Good Times P36-2410 01H - HZ - Plan #5													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference	Offset		Semi Major Axis		Distance		Between Centres		Between Ellipses		Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
0.0	0.0	0.0	0.0	0.0	0.0	0.00	29.1	0.0	29.1	29.1	0.29	99.319		
100.0	100.0	100.0	100.0	0.1	0.1	0.00	29.1	0.0	29.1	28.8	0.64	45.341		
200.0	200.0	200.0	200.0	0.3	0.3	0.00	29.1	0.0	29.1	28.5	0.99	29.376		
300.0	300.0	300.0	300.0	0.5	0.5	0.00	29.1	0.0	29.1	28.1	1.34	21.726		
400.0	400.0	400.0	400.0	0.7	0.7	0.00	29.1	0.0	29.1	27.8	1.69	17.237		
500.0	500.0	500.0	500.0	0.8	0.8	0.00	29.1	0.0	29.1	27.4	2.04	14.286		
600.0	600.0	600.0	600.0	1.0	1.0	0.00	29.1	0.0	29.1	27.1	2.39	12.197		
700.0	700.0	700.0	700.0	1.2	1.2	0.00	29.1	0.0	29.1	26.7	2.74	10.641		
800.0	800.0	800.0	800.0	1.4	1.4	0.00	29.1	0.0	29.1	26.4	3.09	9.438		
900.0	900.0	900.0	900.0	1.5	1.5	0.00	29.1	0.0	29.1	26.0	3.43	8.478		
1,000.0	1,000.0	1,000.0	1,000.0	1.7	1.7	0.00	29.1	0.0	29.1	25.7	3.78	7.696		
1,100.0	1,100.0	1,100.0	1,100.0	1.9	1.9	0.00	29.1	0.0	29.1	25.3	4.13	7.046		
1,200.0	1,200.0	1,200.0	1,200.0	2.1	2.1	0.00	29.1	0.0	29.1	25.0	4.48	6.498		
1,300.0	1,300.0	1,300.0	1,300.0	2.2	2.2	0.00	29.1	0.0	29.1	24.6	4.83	6.028		
1,400.0	1,400.0	1,400.0	1,400.0	2.4	2.4	0.00	29.1	0.0	29.1	24.3	5.18	5.622		
1,500.0	1,500.0	1,500.0	1,500.0	2.6	2.6	0.00	29.1	0.0	29.1	23.9	5.53	5.267		
1,600.0	1,600.0	1,600.0	1,600.0	2.8	2.8	0.00	29.1	0.0	29.1	23.6	5.88	4.954		
1,700.0	1,700.0	1,700.0	1,700.0	2.9	2.9	0.00	29.1	0.0	29.1	23.2	6.23	4.676		
1,800.0	1,800.0	1,800.0	1,800.0	3.1	3.1	0.00	29.1	0.0	29.1	22.9	6.58	4.428		
1,900.0	1,900.0	1,900.0	1,900.0	3.3	3.3	0.00	29.1	0.0	29.1	22.5	6.93	4.205		
2,000.0	2,000.0	2,000.0	2,000.0	3.5	3.5	0.00	29.1	0.0	29.1	22.2	7.27	4.003		
2,100.0	2,100.0	2,100.0	2,100.0	3.6	3.6	0.00	29.1	0.0	29.1	21.8	7.62	3.820		
2,200.0	2,200.0	2,200.0	2,200.0	3.8	3.8	0.00	29.1	0.0	29.1	21.5	7.97	3.653		
2,300.0	2,300.0	2,300.0	2,300.0	4.0	4.0	0.00	29.1	0.0	29.1	21.1	8.32	3.500		
2,400.0	2,400.0	2,400.0	2,400.0	4.2	4.2	0.00	29.1	0.0	29.1	20.8	8.67	3.359		
2,500.0	2,500.0	2,500.0	2,500.0	4.3	4.3	0.00	29.1	0.0	29.1	20.5	9.02	3.229 CC, ES, SF		
2,600.0	2,600.0	2,600.0	2,600.0	4.5	4.5	0.00	29.1	0.0	29.1	20.1	9.37	3.293		
2,700.0	2,700.0	2,699.0	2,698.9	4.7	4.7	0.01	30.8	0.0	30.8	21.5	9.71	3.708		
2,800.0	2,800.0	2,797.7	2,797.5	4.9	4.9	0.04	35.9	0.0	36.0	26.3	10.06	4.436		
2,900.0	2,900.0	2,895.9	2,895.4	5.0	5.0	0.08	44.4	0.1	44.6	34.6	10.41	5.442		
3,000.0	3,000.0	2,993.5	2,992.3	5.2	5.2	0.11	56.1	0.1	56.6	46.2	10.75	6.695		
3,100.0	3,100.0	3,090.1	3,087.7	5.4	5.4	0.13	70.9	0.2	72.0	61.2	11.10	8.167		
3,200.0	3,200.0	3,185.7	3,181.6	5.6	5.7	0.15	88.8	0.2	90.7	79.6	11.45	9.833		
3,300.0	3,300.0	3,279.9	3,273.5	5.7	5.9	0.16	109.4	0.3	112.6	101.1	11.80	11.670		
3,400.0	3,400.0	3,372.7	3,363.3	5.9	6.2	0.17	132.7	0.4	137.7	125.9	12.15	13.655		
3,500.0	3,500.0	3,463.8	3,450.8	6.1	6.5	0.18	158.4	0.5	165.8	153.7	12.49	15.769		
3,600.0	3,600.0	3,553.1	3,535.7	6.3	6.9	0.19	186.2	0.6	197.0	184.5	12.84	17.994		
3,700.0	3,700.0	3,640.6	3,617.9	6.4	7.3	0.19	216.0	0.7	231.1	218.3	13.20	20.314		
3,800.0	3,800.0	3,726.1	3,697.3	6.6	7.7	0.19	247.6	0.8	268.1	254.9	13.55	22.713		
3,900.0	3,900.0	3,809.5	3,773.9	6.8	8.2	0.20	280.7	1.0	307.7	294.2	13.90	25.177		
4,000.0	4,000.0	3,890.8	3,847.6	7.0	8.6	0.20	315.0	1.1	350.0	336.1	14.00	28.237		
4,100.0	4,100.0	3,969.7	3,918.1	7.1	9.2	162.35	350.4	1.2	395.2	381.2	14.05	32.245		
4,200.0	4,199.0	4,040.7	3,980.8	7.3	9.7	160.62	383.8	1.4	452.9	438.8	13.88	37.796		
4,300.0	4,294.3	4,100.5	4,032.8	7.5	10.1	158.08	413.2	1.5	524.8	510.9	13.71	44.301		
4,400.0	4,382.8	4,155.3	4,080.4	7.9	10.5	153.98	440.5	1.6	607.5	593.8	14.12	49.458		
4,500.0	4,462.1	4,195.1	4,114.8	8.4	10.8	145.71	460.3	1.7	698.2	684.1	16.89	46.856		
4,600.0	4,533.4	4,224.9	4,140.7	9.0	11.0	118.97	475.2	1.7	791.4	774.5	18.82	46.829		
4,700.0	4,600.0	4,252.5	4,164.6	9.9	11.2	99.73	488.9	1.8	881.2	862.3	19.95	48.429		
4,800.0	4,659.8	4,277.2	4,186.1	11.0	11.4	86.41	501.2	1.8	966.4	946.4				

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Good Times P36-2410 02H
Project:	San Juan County, NM	TVD Reference:	KB @ 6890.0ft (Aztec)
Reference Site:	S36-T24N-R10W (Good Times)	MD Reference:	KB @ 6890.0ft (Aztec)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Good Times P36-2410 02H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	HZ	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #4	Offset TVD Reference:	Offset Datum

Offset Design S36-T24N-R10W (Good Times) - Yates Squash Blossom #1 (Existing) - Existing - Existing													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Semi Major Axis Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Distance Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning	
5,500.0	4,803.5	4,842.1	4,842.1	22.9	8.5	-90.91	-565.5	-1,738.8	926.8	897.0	29.78	31.123		
5,600.0	4,803.3	4,841.9	4,841.9	25.1	8.5	-90.81	-565.5	-1,738.8	827.5	795.4	32.07	25.799		
5,700.0	4,803.2	4,841.8	4,841.8	27.3	8.5	-90.71	-565.5	-1,738.8	728.3	693.9	34.40	21.171		
5,800.0	4,803.0	4,841.6	4,841.6	29.5	8.5	-90.61	-565.5	-1,738.8	629.4	592.7	36.76	17.125		
5,900.0	4,802.8	4,841.4	4,841.4	31.8	8.4	-90.52	-565.5	-1,738.8	531.0	491.9	39.13	13.571		
6,000.0	4,802.6	4,841.2	4,841.2	34.1	8.4	-90.42	-565.5	-1,738.8	433.2	391.7	41.51	10.435		
6,100.0	4,802.5	4,841.1	4,841.1	36.4	8.4	-90.32	-565.5	-1,738.8	336.8	292.9	43.91	7.669		
6,200.0	4,802.3	4,840.9	4,840.9	38.8	8.4	-90.22	-565.5	-1,738.8	243.3	196.9	46.32	5.251		
6,300.0	4,802.1	4,840.7	4,840.7	41.1	8.4	-90.12	-565.5	-1,738.8	157.8	109.1	48.74	3.239		
6,400.0	4,801.9	4,840.5	4,840.5	43.5	8.4	-90.02	-565.5	-1,738.8	103.2	52.1	51.16	2.018		
6,421.3	4,801.9	4,840.5	4,840.5	44.0	8.4	-90.00	-565.5	-1,738.8	101.0	49.3	51.68	1.955 CC, ES, SF		
6,500.0	4,801.8	4,840.4	4,840.4	45.9	8.4	-89.92	-565.5	-1,738.8	128.1	74.5	53.59	2.390		
6,600.0	4,801.6	4,840.2	4,840.2	48.3	8.4	-89.82	-565.5	-1,738.8	205.3	149.3	56.02	3.664		
6,700.0	4,801.4	4,840.0	4,840.0	50.7	8.4	-89.72	-565.5	-1,738.8	296.5	238.0	58.46	5.071		
6,800.0	4,801.2	4,839.8	4,839.8	53.1	8.4	-89.63	-565.5	-1,738.8	392.0	331.1	60.90	6.436		
6,900.0	4,801.1	4,839.7	4,839.7	55.5	8.4	-89.53	-565.5	-1,738.8	489.3	425.9	63.34	7.724		
7,000.0	4,800.9	4,839.5	4,839.5	57.9	8.4	-89.43	-565.5	-1,738.8	587.5	521.7	65.79	8.930		
7,100.0	4,800.7	4,839.3	4,839.3	60.4	8.4	-89.33	-565.5	-1,738.8	686.2	618.0	68.24	10.056		
7,200.0	4,800.5	4,839.1	4,839.1	62.8	8.4	-89.23	-565.5	-1,738.8	785.2	714.6	70.69	11.109		
7,300.0	4,800.4	4,839.0	4,839.0	65.2	8.4	-89.13	-565.5	-1,738.8	884.5	811.4	73.14	12.094		
7,400.0	4,800.2	4,838.8	4,838.8	67.6	8.4	-89.03	-565.5	-1,738.8	983.9	908.3	75.59	13.017		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

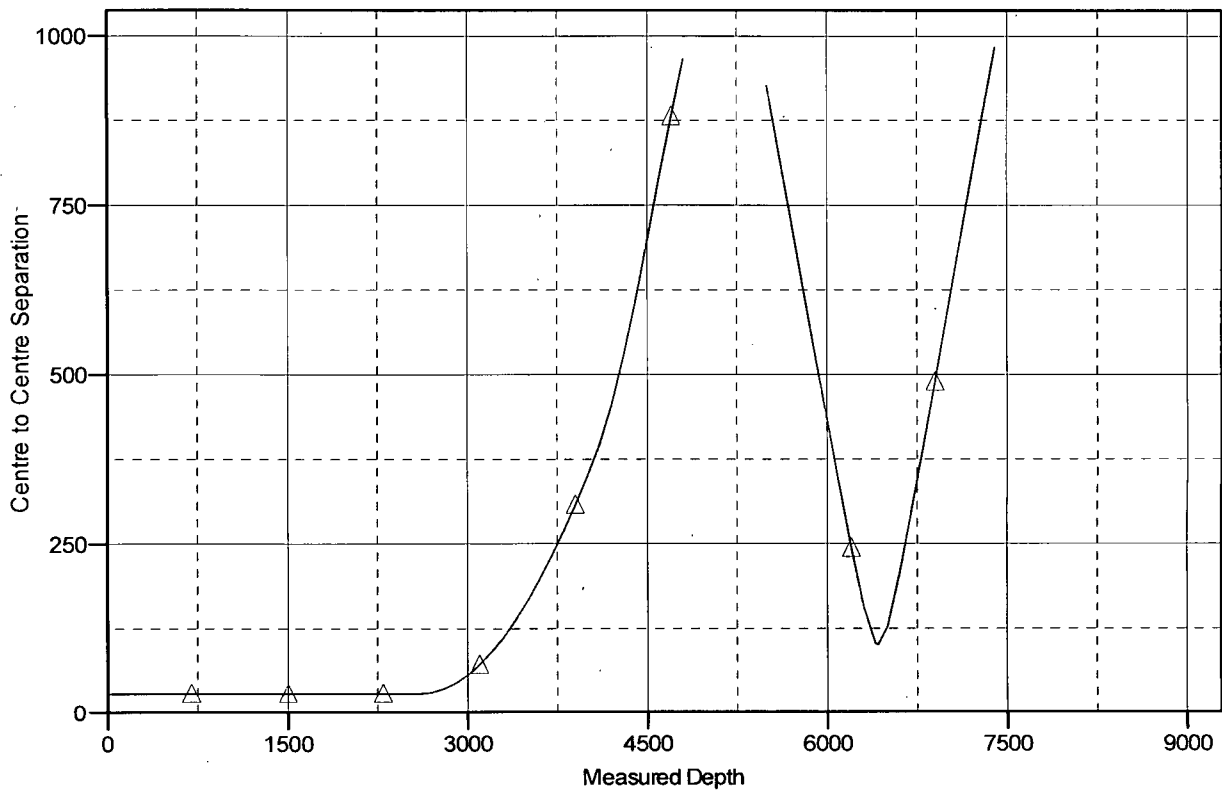
Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Good Times P36-2410 02H
Project:	San Juan County, NM	TVD Reference:	KB @ 6890.0ft (Aztec)
Reference Site:	S36-T24N-R10W (Good Times)	MD Reference:	KB @ 6890.0ft (Aztec)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Good Times P36-2410 02H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	HZ	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #4	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB @ 6890.0ft (Aztec)
Offset Depths are relative to Offset Datum
Central Meridian is -107.833333 °

Coordinates are relative to: Good Times P36-2410 02H
Coordinate System is US State Plane 1983, New Mexico Western Zone
Grid Convergence at Surface is: 0.00°

Ladder Plot



LEGEND

quash Blossom#1 (Existing), Existing, Existing V0 Good Times P36-2410 01H, HZ, Plan #5 V0