

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico

Form C-101
Revised October 25, 2012

Energy Minerals and Natural Resources

Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

☐ AMENDED REPORT

RCVD JUN 10 '13
OIL CONS. DIV.
DIST. 3

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Operator Name and Address ENCANA OIL & GAS (USA) INC. 370 17 TH STREET, SUITE 1700 DENVER, CO 80202		OGRID Number 282327
Property Code 39985		API Number 30-045-35476
Property Name Good Times P36-2410 01H		Well No. 01H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
SHL: 1	36	24N	10W		1341	SOUTH	255	EAST	SAN JUAN

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
BHL: L	36	24N	10W		2180	SOUTH	330	WEST	SAN JUAN

9. Pool Information

Basin Mancos Gas (97232); Bisti Lower Gallup (5860)

Additional Well Information

11. Work Type N	12. Well Type O	13. Cable/Rotary R	14. Lease Type S	15. Ground Level Elevation 6874'
16. Multiple N/A	17. Proposed Depth 4986' TVD/9657'	18. Formation GALLUP	19. Contractor AZTEC	20. Spud Date June 16, 2014
Depth to Ground water UNKNOWN		Distance from nearest fresh water well +/- 2,135'		Distance to nearest surface water ~250'(dry)

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
CONDUCTOR	30"	20"	94#	60'	100	SURFACE
SURFACE	12 1/4"	9 5/8"	36#	500'	178	SURFACE
INTERMEDIATE	8 3/4"	7"	26#	5348' MD	548 (30% EXCESS)	SURFACE
PRODUCTION	6 1/8"	4 1/2"	11.6#	5148'-9657' MD	N/A	N/A

Casing/Cement Program: Additional Comments

HORIZONTAL LATERAL IN THE GALLUP FORMATION. NO CEMENT IN THE PRODUCTION LINER, WILL RUN EXTERNAL SWELL CASING PACKER SYSTEM. WILL USE OIL BASED MUD SYSTEM FROM INTERMEDIATE CASING POINT TO TD OF HORIZONTAL LATERAL.
--

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
ANNULAR	3000	1500	TBD
SINGLE RAM	3000	3000	TBD
ROTATING HEAD	3000	1500	TBD

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. **NO DRILLING PIT WILL BE USED**
I further certify that I have complied with 19.15.14.9 (A) NMAC ☐ and/or 19.15.14.9 (B) NMAC ☐, if applicable.

Signature: Brenda R. Linster

Printed name: Brenda R. Linster

Title: Regulatory Lead

E-mail Address: brenda.linster@encana.com

Date: 06/06/13

Phone: 720-876-3989

OIL CONSERVATION DIVISION

Approved

Title

Approved Date: JUL 09 2013

Expiration Date: JUL 09 2015

Conditions of Approval Attached

NOTIFY AZTEC OCD 24 HRS PRIOR TO CASING & CEMENT

NO DRILLING PIT
NSL MP, DHC

JUL 09 2013 ca

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State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 1, 2011

Submit one copy to
Appropriate District Office

OIL CONSERVATION DIVISION

1220 South St. Francis Drive
Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30.045-35476		*Pool Code 97232 / 5860	*Pool Name BASIN MANCOS / SOUTH BISTI GALLUP
*Property Code 39985	*Property Name GOOD TIMES P36-2410		*Well Number 01H
*OGRI No. 282327	*Operator Name ENCAÑA OIL & GAS (USA) INC.		*Elevation 6874'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	36	24N	10W		1341	SOUTH	255	EAST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	36	24N	10W		2180	SOUTH	330	WEST	SAN JUAN

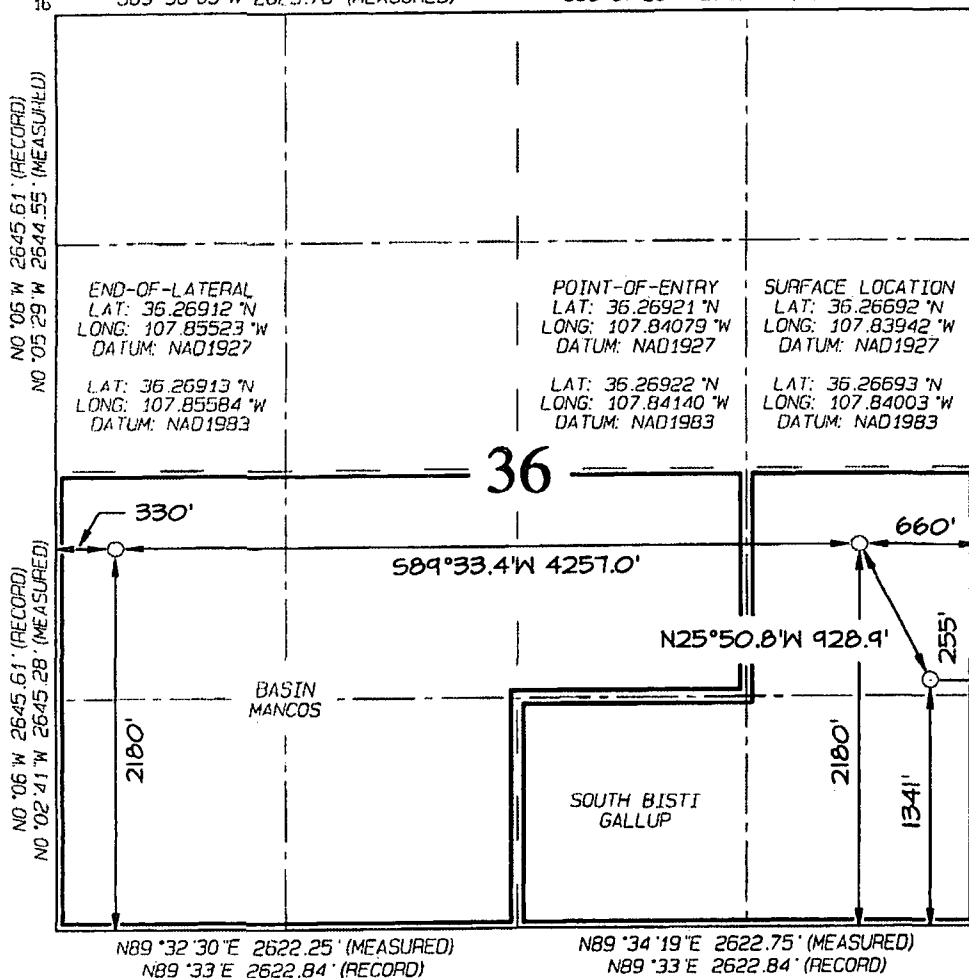
*Dedicated Acres 320.0 Acres S/2 Section 36	*Joint or Infill	*Consolidation Code	*Order No. RCVD JUN 18 '13 OIL CONS. DIV.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

DIST. 3

¹⁶
S89°37'W 2624.16' (RECORD)
S89°36'05"W 2625.76' (MEASURED)

S89°37'W 2624.16' (RECORD)
S89°37'26"W 2623.01' (MEASURED)



¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom-hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: Holly Hill Date: 6/17/13

Printed Name: Holly Hill

E-mail Address: holly.hill@encana.com

¹⁸ SURVEYOR CERTIFICATION

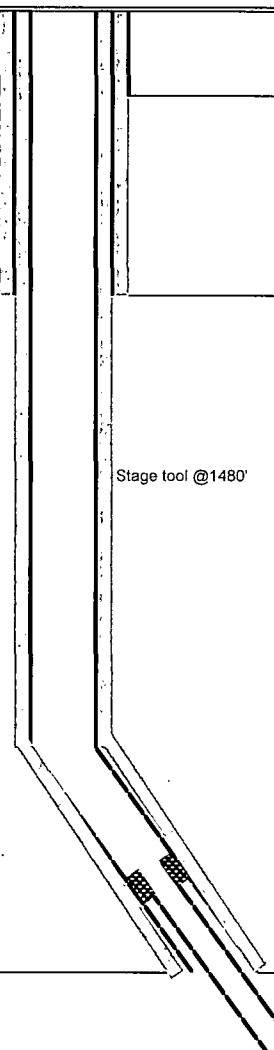
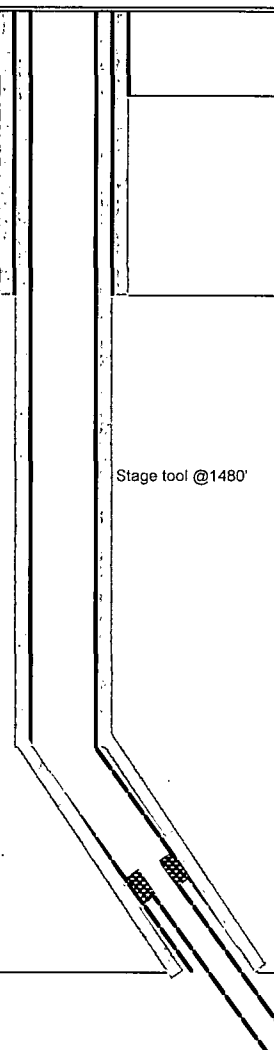
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief.

Date Revised: JUNE 14, 2013
Date of Survey: AUGUST 20, 2012

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

LOC: Sec 36-T24N-R10W County: San Juan WELL: Good Times P36-2410 01H			Encana Natural Gas WELL SUMMARY			encana™ natural gas		ENG: J. Fox/ A. 6/6/13 RIG: GLE: 6874 RKBE: 6887	
MWD LWD	OPEN HOLE LOGGING	FORM	DEPTH			HOLE SIZE	CASING SPECS	MW MUD TYPE	DEVIATION INFORMATION
			TVD	MD					
			60	60'		30	20" 94# 100sx Type I Neat 48.8ppg cmt	Fresh wtr 8.3-9.2	
Surveys After csg is run	None					12 1/4	9 5/8" 36ppf J55 STC TOC @ surface 178 sks Type III Cmt	Fresh wtr 8.4-8.6	Vertical <1°
Surveys every 500'	No OH logs Mud logger onsite	Ojo Alamo Kirtland	602 724			8 3/4	7" 26ppf J55 LTC TOC @ surface 30% OH excess: 548 sksTotal. Stage 1 Lead: 248sks Stage 1 Tail: 171sks. Stage 2 Lead: 129sks	Fresh Wtr 8.5-8.8	Vertical <1°
		Fruitland Coal	977						
		Pictured Cliffs Ss Lewis Shale	1432 1487						
		Cliffhouse Ss Menefee Fn	2062 2652						
		KICK OFF PT Point Lookout Ss Mancos Sh Mancos Silt	3600 3741 3921 4450						
		Gallup Top	4722						KOP 3600 10 deg/100'
			4958	5348					
Surveys every 500' Gyro at CP MWD Gamma Directional	No OH Logs	horz target	4993	5570		6 1/8	200' overlap at liner top		.25deg updip 4986'TVD TD = 9657' MD
		Base Gallup	5049				4090' Lateral	8.6-9.0 OBM	4 1/2" 11.6ppf SB80 LTC Running external swellable csg packers for isolation of prod string Plan on setting top packer within 100' of intermediate casing shoe

NOTES:

- 1) Drill with 30" bit to 60', set 20" 94# conductor pipe
- 2) Drill surface to 500', R&C 9 5/8" casing
- 3) N/U BOP and surface equipment
- 4) Drill to KOP of 3600' , 8 3/4" hole size,
- 5) PU directional tools and start curve at 10deg/100' build rate
- 6) Drill to casing point of 5348' MD
- 7) R&C 7" casing, circ cmt to surface, switch to OBM
- 8) Land at 90deg, drill 4090' lateral to 9657', run 4 1/2" liner with external swellable csg packers

Directions from the Intersection of US Hwy 550 & US Hwy 64

in Bloomfield, NM to Encana Oil & Gas (USA) Inc. Good Times P36-2410 01H

1341' FSL & 255' FEL, Section 36, T24N, R10W, N.M.P.M., San Juan County, NM

Latitude: 36.26693°N Longitude: 107.84003°W Datum: NAD1983

From the intersection of US Hwy 550 & US Hwy 64 in Bloomfield, NM, travel Southerly on US Hwy 550 for 27.9 miles to State Hwy #57 @ Mile Marker 123.4;

Go right (South-westerly) on State Hwy #57 for 3.1 miles to fork in road;

Go left (South-westerly) remaining on State Hwy #57 for 4.0 miles to fork in road;

Go left (North-easterly) for 0.4 miles to fork in road;

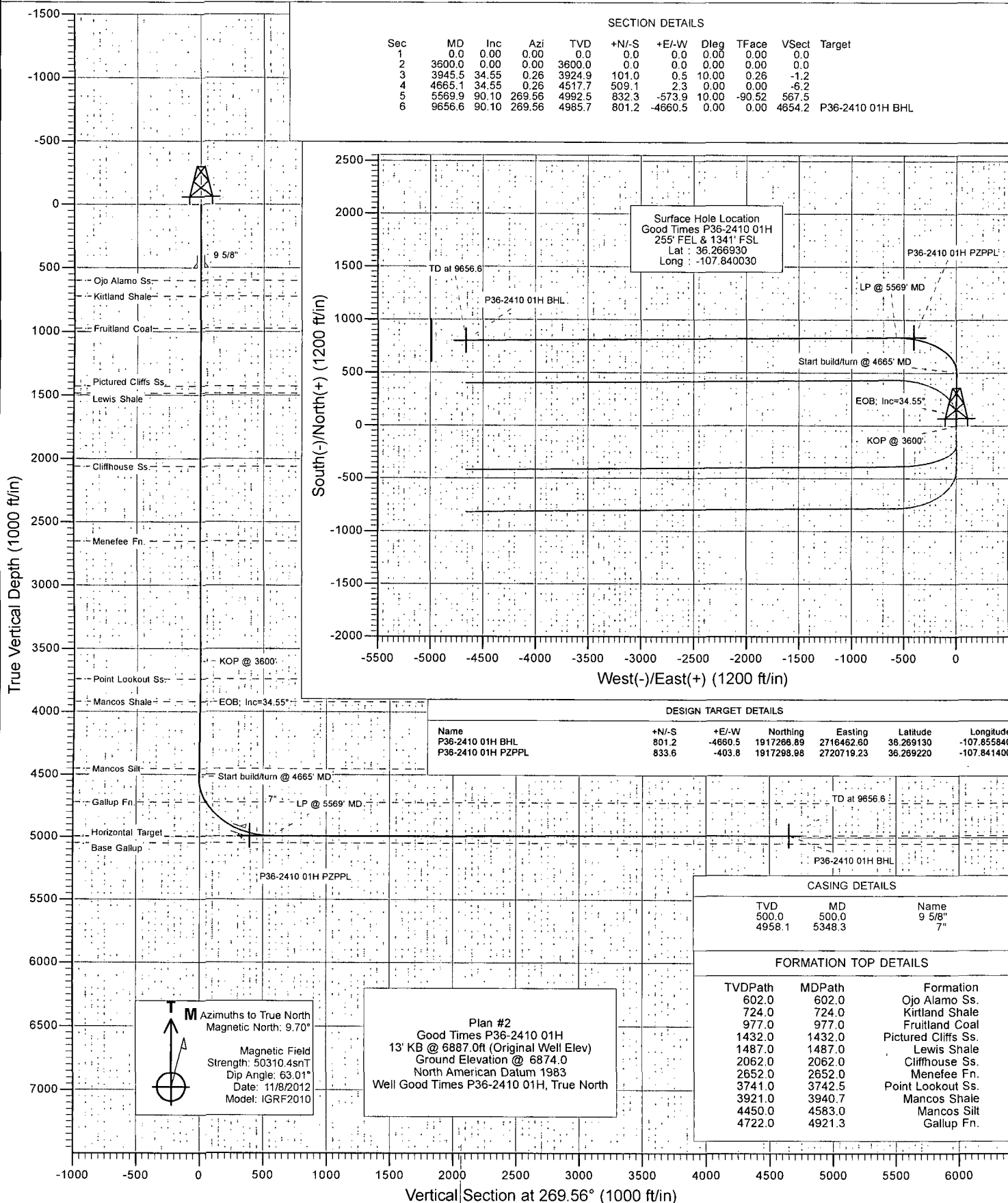
Go right (South-easterly) for 0.6 miles to fork in road;

Go left which is straight (South-easterly) for 0.1 miles to 4-way intersection;

Go straight (South-easterly) @ 4-way intersection for 0.3 miles to new access on left-hand side of existing roadway which continues for 170' to Encana Good Times P36-2410 01H location.

encana

Project: San Juan Co, NM
 Site: S36-T24N-R10W (Good Times)
 Well: Good Times P36-2410 01H
 Wellbore: HZ
 Design: Plan #2



Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Good Times P36-2410 01H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	13' KB @ 6887.0ft (Original Well Elev)
Project:	San Juan Co, NM	MD Reference:	13' KB @ 6887.0ft (Original Well Elev)
Site:	S36-T24N-R10W (Good Times)	North Reference:	True
Well:	Good Times P36-2410 01H	Survey Calculation Method:	Minimum Curvature
Wellbore:	HZ		
Design:	Plan #2		

Project	San Juan Co, 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:	1,937,831.40 ft	Latitude:	36.325610
From:	Lat/Long	Easting:	2,706,101.56 ft	Longitude:	-107.891030
Position Uncertainty:	0.0 ft	Slot Radius:	13.200 in	Grid Convergence:	-0.03 °

Well	Good Times P36-2410 01H					
Well Position	+N/-S	0.0 ft	Northing:	1,916,465.33 ft	Latitude:	36.266930
	+E/-W	0.0 ft	Easting:	2,721,123.02 ft	Longitude:	-107.840030
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	6,874.0 ft

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

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	269.56

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	
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,945.5	34.55	0.26	3,924.9	101.0	0.5	10.00	10.00	0.00	0.26	
4,665.1	34.55	0.26	4,517.7	509.1	2.3	0.00	0.00	0.00	0.00	
5,569.9	90.10	269.56	4,992.5	832.3	-573.9	10.00	6.14	-10.02	-90.52	
9,656.6	90.10	269.56	4,985.7	801.2	-4,660.5	0.00	0.00	0.00	0.00	P36-2410 01H BHL

Planning Report

Database: USA EDM 5000 Multi Users DB
Company: EnCana Oil & Gas (USA) Inc
Project: San Juan Co, NM
Site: S36-T24N-R10W (Good Times)
Well: Good Times P36-2410 01H
Wellbore: HZ
Design: Plan #2

Local Co-ordinate Reference: Well Good Times P36-2410 01H
TVD Reference: 13' KB @ 6887.0ft (Original Well Elev)
MD Reference: 13' KB @ 6887.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature

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	
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"
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	
602.0	0.00	0.00	602.0	0.0	0.0	0.0	0.00	0.00	Ojo Alamo Ss.
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	
724.0	0.00	0.00	724.0	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	
977.0	0.00	0.00	977.0	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	
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	
1,432.0	0.00	0.00	1,432.0	0.0	0.0	0.0	0.00	0.00	Pictured Cliffs Ss.
1,487.0	0.00	0.00	1,487.0	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	
2,062.0	0.00	0.00	2,062.0	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	
2,652.0	0.00	0.00	2,652.0	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	KOP @ 3600'
3,700.0	10.00	0.26	3,699.5	8.7	0.0	-0.1	10.00	10.00	
3,742.5	14.25	0.26	3,741.0	17.6	0.1	-0.2	10.00	10.00	Point Lookout Ss.
3,800.0	20.00	0.26	3,796.0	34.6	0.2	-0.4	10.00	10.00	
3,900.0	30.00	0.26	3,886.5	76.8	0.3	-0.9	10.00	10.00	
3,940.7	34.07	0.26	3,921.0	98.4	0.4	-1.2	10.00	10.00	Mancos Shale
3,945.5	34.55	0.26	3,924.9	101.0	0.5	-1.2	10.00	10.00	EOB; Inc=34.55°
4,000.0	34.55	0.26	3,969.8	132.0	0.6	-1.6	0.00	0.00	
4,100.0	34.55	0.26	4,052.2	188.7	0.9	-2.3	0.00	0.00	

Planning Report

Database: USA EDM 5000 Multi Users DB
Company: EnCana Oil & Gas (USA) Inc
Project: San Juan Co, NM
Site: S36-T24N-R10W (Good Times)
Well: Good Times P36-2410 01H
Wellbore: HZ
Design: Plan #2

Local Co-ordinate Reference: Well Good Times P36-2410 01H
TVD Reference: 13' KB @ 6887.0ft (Original Well Elev)
MD Reference: 13' KB @ 6887.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature

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
4,200.0	34.55	0.26	4,134.6	245.4	1.1	-3.0	0.00	0.00	
4,300.0	34.55	0.26	4,216.9	302.1	1.4	-3.7	0.00	0.00	
4,400.0	34.55	0.26	4,299.3	358.8	1.6	-4.4	0.00	0.00	
4,500.0	34.55	0.26	4,381.7	415.5	1.9	-5.1	0.00	0.00	
4,583.0	34.55	0.26	4,450.0	462.5	2.1	-5.6	0.00	0.00	Mancos Silt
4,600.0	34.55	0.26	4,464.0	472.2	2.1	-5.8	0.00	0.00	
4,665.1	34.55	0.26	4,517.7	509.1	2.3	-6.2	0.00	0.00	Start build/turn @ 4665' MD
4,700.0	34.67	354.12	4,546.4	528.9	1.3	-5.4	10.00	0.35	
4,800.0	36.66	337.27	4,627.8	584.9	-13.2	8.7	10.00	2.00	
4,900.0	40.76	322.64	4,706.0	638.5	-44.6	39.7	10.00	4.09	
4,921.3	41.85	319.87	4,722.0	649.4	-53.4	48.4	10.00	5.11	Gallup Fn.
5,000.0	46.39	310.62	4,778.5	688.1	-92.0	86.7	10.00	5.77	
5,100.0	53.05	300.82	4,843.3	732.3	-153.9	148.3	10.00	6.66	
5,200.0	60.38	292.67	4,898.2	769.6	-228.6	222.6	10.00	7.33	
5,300.0	68.14	285.66	4,941.6	798.9	-313.6	307.4	10.00	7.76	
5,348.3	72.00	282.56	4,958.1	810.0	-357.6	351.4	10.00	7.97	7"
5,400.0	76.17	279.39	4,972.2	819.4	-406.4	400.1	10.00	8.08	
5,402.6	76.38	279.23	4,972.9	819.8	-408.8	402.5	10.00	8.12	P36-2410 01H PZPPL
5,500.0	84.35	273.54	4,989.2	830.4	-504.2	497.8	10.00	8.18	
5,569.9	90.10	269.56	4,992.5	832.3	-573.9	567.5	10.00	8.23	LP @ 5569' MD
5,600.0	90.10	269.56	4,992.5	832.1	-604.0	597.6	0.00	0.00	
5,700.0	90.10	269.56	4,992.3	831.3	-704.0	697.6	0.00	0.00	
5,800.0	90.10	269.56	4,992.2	830.6	-804.0	797.6	0.00	0.00	
5,900.0	90.10	269.56	4,992.0	829.8	-904.0	897.6	0.00	0.00	
6,000.0	90.10	269.56	4,991.8	829.1	-1,004.0	997.6	0.00	0.00	
6,100.0	90.10	269.56	4,991.7	828.3	-1,104.0	1,097.6	0.00	0.00	
6,200.0	90.10	269.56	4,991.5	827.5	-1,204.0	1,197.6	0.00	0.00	
6,300.0	90.10	269.56	4,991.3	826.8	-1,304.0	1,297.6	0.00	0.00	
6,400.0	90.10	269.56	4,991.2	826.0	-1,404.0	1,397.6	0.00	0.00	
6,500.0	90.10	269.56	4,991.0	825.2	-1,504.0	1,497.6	0.00	0.00	
6,600.0	90.10	269.56	4,990.8	824.5	-1,604.0	1,597.6	0.00	0.00	
6,700.0	90.10	269.56	4,990.7	823.7	-1,704.0	1,697.6	0.00	0.00	
6,800.0	90.10	269.56	4,990.5	823.0	-1,804.0	1,797.6	0.00	0.00	
6,900.0	90.10	269.56	4,990.3	822.2	-1,904.0	1,897.6	0.00	0.00	
7,000.0	90.10	269.56	4,990.2	821.4	-2,004.0	1,997.6	0.00	0.00	
7,100.0	90.10	269.56	4,990.0	820.7	-2,104.0	2,097.6	0.00	0.00	
7,200.0	90.10	269.56	4,989.8	819.9	-2,204.0	2,197.6	0.00	0.00	
7,300.0	90.10	269.56	4,989.7	819.2	-2,304.0	2,297.6	0.00	0.00	
7,400.0	90.10	269.56	4,989.5	818.4	-2,404.0	2,397.6	0.00	0.00	
7,500.0	90.10	269.56	4,989.3	817.6	-2,504.0	2,497.6	0.00	0.00	
7,600.0	90.10	269.56	4,989.2	816.9	-2,604.0	2,597.6	0.00	0.00	
7,700.0	90.10	269.56	4,989.0	816.1	-2,704.0	2,697.6	0.00	0.00	
7,800.0	90.10	269.56	4,988.8	815.4	-2,804.0	2,797.6	0.00	0.00	
7,900.0	90.10	269.56	4,988.7	814.6	-2,904.0	2,897.6	0.00	0.00	
8,000.0	90.10	269.56	4,988.5	813.8	-3,004.0	2,997.6	0.00	0.00	
8,100.0	90.10	269.56	4,988.3	813.1	-3,104.0	3,097.6	0.00	0.00	
8,200.0	90.10	269.56	4,988.2	812.3	-3,204.0	3,197.6	0.00	0.00	
8,300.0	90.10	269.56	4,988.0	811.6	-3,304.0	3,297.6	0.00	0.00	
8,400.0	90.10	269.56	4,987.8	810.8	-3,404.0	3,397.6	0.00	0.00	
8,500.0	90.10	269.56	4,987.7	810.0	-3,504.0	3,497.6	0.00	0.00	
8,600.0	90.10	269.56	4,987.5	809.3	-3,603.9	3,597.6	0.00	0.00	
8,700.0	90.10	269.56	4,987.3	808.5	-3,703.9	3,697.6	0.00	0.00	

Planning Report

Database: USA EDM 5000 Multi Users DB
Company: EnCana Oil & Gas (USA) Inc
Project: San Juan Co, NM
Site: S36-T24N-R10W (Good Times)
Well: Good Times P36-2410 01H
Wellbore: HZ
Design: Plan #2

Local Co-ordinate Reference: Well Good Times P36-2410 01H
TVD Reference: 13' KB @ 6887.0ft (Original Well Elev)
MD Reference: 13' KB @ 6887.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature

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
8,800.0	90.10	269.56	4,987.2	807.8	-3,803.9	3,797.6	0.00	0.00	
8,900.0	90.10	269.56	4,987.0	807.0	-3,903.9	3,897.6	0.00	0.00	
9,000.0	90.10	269.56	4,986.8	806.2	-4,003.9	3,997.6	0.00	0.00	
9,100.0	90.10	269.56	4,986.7	805.5	-4,103.9	4,097.6	0.00	0.00	
9,200.0	90.10	269.56	4,986.5	804.7	-4,203.9	4,197.6	0.00	0.00	
9,300.0	90.10	269.56	4,986.3	803.9	-4,303.9	4,297.6	0.00	0.00	
9,400.0	90.10	269.56	4,986.2	803.2	-4,403.9	4,397.6	0.00	0.00	
9,500.0	90.10	269.56	4,986.0	802.4	-4,503.9	4,497.6	0.00	0.00	
9,600.0	90.10	269.56	4,985.8	801.7	-4,603.9	4,597.6	0.00	0.00	
9,656.6	90.10	269.56	4,985.7	801.2	-4,660.5	4,654.2	0.00	0.00	TD at 9656.6 - P36-2410 01H BHL

Targets

Target Name

- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- Shape									
P36-2410 01H BHL	0.00	359.99	4,985.7	801.2	-4,660.5	1,917,266.89	2,716,462.60	36.269130	-107.855840
- plan hits target center									
- Point									
P36-2410 01H PZPPL	0.00	0.00	4,992.8	833.6	-403.8	1,917,298.98	2,720,719.23	36.269220	-107.841400
- plan misses target center by 24.8ft at 5402.6ft MD (4972.9 TVD, 819.8 N, -408.8 E)									
- Point									

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)
500.0	500.0	9 5/8"	9.625	12.250
5,348.3	4,958.1	7"	7.000	7.500

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
602.0	602.0	Ojo Alamo Ss.			
724.0	724.0	Kirtland Shale			
977.0	977.0	Fruitland Coal			
1,432.0	1,432.0	Pictured Cliffs Ss.			
1,487.0	1,487.0	Lewis Shale			
2,062.0	2,062.0	Cliffhouse Ss.			
2,652.0	2,652.0	Menefee Fn.			
3,742.5	3,741.0	Point Lookout Ss.			
3,940.7	3,921.0	Mancos Shale			
4,583.0	4,450.0	Mancos Silt			
4,921.3	4,722.0	Gallup Fn.			

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Good Times P36-2410 01H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	13' KB @ 6887.0ft (Original Well Elev)
Project:	San Juan Co, NM	MD Reference:	13' KB @ 6887.0ft (Original Well Elev)
Site:	S36-T24N-R10W (Good Times)	North Reference:	True
Well:	Good Times P36-2410 01H	Survey Calculation Method:	Minimum Curvature
Wellbore:	HZ		
Design:	Plan #2		

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
3,600.0	3,600.0	0.0	0.0	KOP @ 3600'
3,945.5	3,924.9	101.0	0.5	EOB; Inc=34.55°
4,665.1	4,517.7	509.1	2.3	Start build/turn @ 4665' MD
5,569.9	4,992.5	832.3	-573.9	LP @ 5569' MD
9,656.6	4,985.7	801.2	-4,660.5	TD at 9656.6

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Good Times P36-2410 01H
Project:	San Juan Co, NM	TVD Reference:	13' KB @ 6887.0ft (Original Well Elev)
Reference Site:	S36-T24N-R10W (Good Times)	MD Reference:	13' KB @ 6887.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Good Times P36-2410 01H	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 #2	Offset TVD Reference:	Offset Datum

Reference	Plan #2
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 500.0ft
Warning Levels Evaluated at:	2.00 Sigma
Error Model:	Systematic Ellipse
Scan Method:	Closest Approach 3D
Error Surface:	Elliptical Conic

Survey Tool Program	Date	11/14/2012
From (ft)	To (ft)	Survey (Wellbore)
0.0	9,656.6	Plan #2 (HZ)
		Tool Name
		MWD
		Description
		Geolink MWD

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
S36-T24N-R10W (Good Times)						
Good Times P36-2410 02H - HZ - Plan #2	3,600.0	3,600.0	29.1	16.6	2.326	CC, ES, SF
Good Times P36-2410 03H - HZ - Plan #1	3,600.0	3,600.0	61.9	49.4	4.942	CC, ES, SF
Good Times P36-2410 04H - HZ - Plan #1	3,541.6	3,541.6	91.0	78.7	7.388	CC, ES
Good Times P36-2410 04H - HZ - Plan #1	3,600.0	3,595.1	92.2	79.6	7.365	SF

Anticollision Report

Company: EnCaná Oil & Gas (USA) Inc
Project: San Juan Co, NM
Reference Site: S36-T24N-R10W (Good Times)
Site Error: 0.0ft
Reference Well: Good Times P36-2410 01H
Well Error: 0.0ft
Reference Wellbore: HZ
Reference Design: Plan #2

Local Co-ordinate Reference: Well Good Times P36-2410 01H
TVD Reference: 13' KB @ 6887.0ft (Original Well Elev)
MD Reference: 13' KB @ 6887.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature
Output errors are at 2.00 sigma
Database: USA EDM 5000 Multi Users DB
Offset TVD Reference: Offset Datum

Offset Design S36-T24N-R10W (Good Times) - Good Times P36-2410 02H - HZ - Plan #2												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)					
0.0	0.0	0.0	0.0	0.0	0.0	180.00	-29.1	0.0	29.1				
100.0	100.0	100.0	100.0	0.2	0.2	180.00	-29.1	0.0	29.1	28.8	0.30	95.894	
200.0	200.0	200.0	200.0	0.3	0.3	180.00	-29.1	0.0	29.1	28.5	0.65	44.614	
300.0	300.0	300.0	300.0	0.5	0.5	180.00	-29.1	0.0	29.1	28.1	1.00	29.069	
400.0	400.0	400.0	400.0	0.7	0.7	180.00	-29.1	0.0	29.1	27.8	1.35	21.558	
500.0	500.0	500.0	500.0	0.8	0.8	180.00	-29.1	0.0	29.1	27.4	1.70	17.131	
600.0	600.0	600.0	600.0	1.0	1.0	180.00	-29.1	0.0	29.1	27.1	2.05	14.213	
700.0	700.0	700.0	700.0	1.2	1.2	180.00	-29.1	0.0	29.1	26.7	2.40	12.144	
800.0	800.0	800.0	800.0	1.4	1.4	180.00	-29.1	0.0	29.1	26.4	2.75	10.601	
900.0	900.0	900.0	900.0	1.5	1.5	180.00	-29.1	0.0	29.1	26.0	3.10	9.406	
1,000.0	1,000.0	1,000.0	1,000.0	1.7	1.7	180.00	-29.1	0.0	29.1	25.7	3.45	8.453	
1,100.0	1,100.0	1,100.0	1,100.0	1.9	1.9	180.00	-29.1	0.0	29.1	25.3	3.79	7.675	
1,200.0	1,200.0	1,200.0	1,200.0	2.1	2.1	180.00	-29.1	0.0	29.1	25.0	4.14	7.028	
1,300.0	1,300.0	1,300.0	1,300.0	2.2	2.2	180.00	-29.1	0.0	29.1	24.6	4.49	6.482	
1,400.0	1,400.0	1,400.0	1,400.0	2.4	2.4	180.00	-29.1	0.0	29.1	24.3	4.84	6.015	
1,500.0	1,500.0	1,500.0	1,500.0	2.6	2.6	180.00	-29.1	0.0	29.1	23.9	5.19	5.611	
1,600.0	1,600.0	1,600.0	1,600.0	2.8	2.8	180.00	-29.1	0.0	29.1	23.6	5.54	5.257	
1,700.0	1,700.0	1,700.0	1,700.0	2.9	2.9	180.00	-29.1	0.0	29.1	23.2	5.89	4.945	
1,800.0	1,800.0	1,800.0	1,800.0	3.1	3.1	180.00	-29.1	0.0	29.1	22.9	6.24	4.669	
1,900.0	1,900.0	1,900.0	1,900.0	3.3	3.3	180.00	-29.1	0.0	29.1	22.5	6.59	4.421	
2,000.0	2,000.0	2,000.0	2,000.0	3.5	3.5	180.00	-29.1	0.0	29.1	22.2	6.94	4.199	
2,100.0	2,100.0	2,100.0	2,100.0	3.6	3.6	180.00	-29.1	0.0	29.1	21.8	7.29	3.998	
2,200.0	2,200.0	2,200.0	2,200.0	3.8	3.8	180.00	-29.1	0.0	29.1	21.5	7.63	3.815	
2,300.0	2,300.0	2,300.0	2,300.0	4.0	4.0	180.00	-29.1	0.0	29.1	21.1	7.98	3.648	
2,400.0	2,400.0	2,400.0	2,400.0	4.2	4.2	180.00	-29.1	0.0	29.1	20.8	8.33	3.495	
2,500.0	2,500.0	2,500.0	2,500.0	4.3	4.3	180.00	-29.1	0.0	29.1	20.4	8.68	3.355	
2,600.0	2,600.0	2,600.0	2,600.0	4.5	4.5	180.00	-29.1	0.0	29.1	20.1	9.03	3.225	
2,700.0	2,700.0	2,700.0	2,700.0	4.7	4.7	180.00	-29.1	0.0	29.1	19.7	9.38	3.105	
2,800.0	2,800.0	2,800.0	2,800.0	4.9	4.9	180.00	-29.1	0.0	29.1	19.4	9.73	2.993	
2,900.0	2,900.0	2,900.0	2,900.0	5.0	5.0	180.00	-29.1	0.0	29.1	19.0	10.08	2.890	
3,000.0	3,000.0	3,000.0	3,000.0	5.2	5.2	180.00	-29.1	0.0	29.1	18.7	10.43	2.793	
3,100.0	3,100.0	3,100.0	3,100.0	5.4	5.4	180.00	-29.1	0.0	29.1	18.3	10.78	2.703	
3,200.0	3,200.0	3,200.0	3,200.0	5.6	5.6	180.00	-29.1	0.0	29.1	18.0	11.12	2.618	
3,300.0	3,300.0	3,300.0	3,300.0	5.7	5.7	180.00	-29.1	0.0	29.1	17.6	11.47	2.538	
3,400.0	3,400.0	3,400.0	3,400.0	5.9	5.9	180.00	-29.1	0.0	29.1	17.3	11.82	2.463	
3,500.0	3,500.0	3,500.0	3,500.0	6.1	6.1	180.00	-29.1	0.0	29.1	17.0	12.17	2.393	
3,600.0	3,600.0	3,600.0	3,600.0	6.3	6.3	180.00	-29.1	0.0	29.1	16.6	12.52	2.326 CC, ES, SF	
3,700.0	3,699.5	3,699.5	3,699.5	6.4	6.4	179.80	-29.1	0.0	37.8	25.1	12.74	2.969	
3,800.0	3,796.0	3,796.0	3,796.0	6.7	6.6	179.87	-29.1	0.0	63.7	51.0	12.69	5.016	
3,900.0	3,886.5	3,904.9	3,904.3	7.0	6.8	179.90	-19.5	0.1	97.9	85.5	12.43	7.879	
4,000.0	3,969.8	4,024.1	4,018.4	7.4	7.1	179.89	14.1	0.3	127.4	115.0	12.47	10.217	
4,100.0	4,052.2	4,153.8	4,131.7	8.0	7.5	179.84	76.7	0.7	137.4	124.4	12.91	10.638	
4,200.0	4,134.6	4,257.0	4,214.1	8.6	8.1	-177.71	138.5	-4.7	133.4	120.0	13.32	10.011	
4,274.3	4,195.8	4,328.0	4,269.6	9.1	8.5	-171.41	180.3	-18.9	131.7	118.0	13.74	9.589	
4,300.0	4,216.9	4,351.6	4,287.7	9.3	8.7	-168.50	193.9	-25.4	132.0	118.1	13.96	9.461	-
4,400.0	4,299.3	4,437.3	4,351.4	10.0	9.3	-155.23	241.7	-57.1	140.9	125.5	15.40	9.153	
4,500.0	4,381.7	4,512.2	4,403.3	10.8	9.9	-142.34	280.7	-94.2	167.0	149.4	17.57	9.500	
4,600.0	4,464.0	4,576.0	4,444.3	11.7	10.5	-132.34	311.3	-132.3	210.6	190.8	19.79	10.637	
4,700.0	4,546.4	4,630.3	4,476.3	12.5	11.1	-118.84	335.2	-169.0	267.2	245.2	22.03	12.132	
4,800.0	4,627.8	4,682.3	4,504.3	13.4	11.7	-97.49	356.1	-207.6	324.6	300.5	24.16	13.437	
4,900.0	4,706.0	4,734.1	4,529.2	14.3	12.4	-81.10	374.7	-249.0	377.7	352.1	25.56	14.774	
5,000.0	4,778.5	4,785.7	4,551.1	15.1	13.1	-69.06	390.8	-292.8	424.8	398.5	26.36	16.114	

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 01H
Project:	San Juan Co, NM	TVD Reference:	13' KB @ 6887.0ft (Original Well Elev)
Reference Site:	S36-T24N-R10W (Good Times)	MD Reference:	13' KB @ 6887.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Good Times P36-2410 01H	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 #2	Offset TVD Reference:	Offset Datum

Offset Design S36-T24N-R10W (Good Times) - Good Times P36-2410 02H - HZ - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							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)	Total Uncertainty Axis	Separation Factor		
5,100.0	4,843.3	4,837.2	4,569.6	16.1	13.9	-60.46	404.5	-338.8	465.3	438.6	26.67	17.449		
5,200.0	4,898.2	4,900.0	4,587.6	17.1	14.9	-54.31	417.7	-397.5	498.8	472.0	26.71	18.670		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Good Times P36-2410 01H
Project:	San Juan Co, NM	TVD Reference:	13' KB @ 6887.0ft (Original Well Elev)
Reference Site:	S36-T24N-R10W (Good Times)	MD Reference:	13' KB @ 6887.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Good Times P36-2410 01H	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 #2	Offset TVD Reference:	Offset Datum

Offset Design S36-T24N-R10W (Good Times) - Good Times P36-2410 03H - HZ - Plan #1														Offset Site Error:	0.0 ft
Survey Program: 0-MWD														Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		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)	Uncertainty Axis	Factor			
0.0	0.0	0.0	0.0	0.0	0.0	180.00	-61.9	0.0	61.9						
100.0	100.0	100.0	100.0	0.2	0.2	180.00	-61.9	0.0	61.9	61.6	0.30	203.776			
200.0	200.0	200.0	200.0	0.3	0.3	180.00	-61.9	0.0	61.9	61.2	0.65	94.805			
300.0	300.0	300.0	300.0	0.5	0.5	180.00	-61.9	0.0	61.9	60.9	1.00	61.772			
400.0	400.0	400.0	400.0	0.7	0.7	180.00	-61.9	0.0	61.9	60.5	1.35	45.810			
500.0	500.0	500.0	500.0	0.8	0.8	180.00	-61.9	0.0	61.9	60.2	1.70	36.404			
600.0	600.0	600.0	600.0	1.0	1.0	180.00	-61.9	0.0	61.9	59.8	2.05	30.202			
700.0	700.0	700.0	700.0	1.2	1.2	180.00	-61.9	0.0	61.9	59.5	2.40	25.806			
800.0	800.0	800.0	800.0	1.4	1.4	180.00	-61.9	0.0	61.9	59.1	2.75	22.527			
900.0	900.0	900.0	900.0	1.5	1.5	180.00	-61.9	0.0	61.9	58.8	3.10	19.987			
1,000.0	1,000.0	1,000.0	1,000.0	1.7	1.7	180.00	-61.9	0.0	61.9	58.4	3.45	17.962			
1,100.0	1,100.0	1,100.0	1,100.0	1.9	1.9	180.00	-61.9	0.0	61.9	58.1	3.79	16.310			
1,200.0	1,200.0	1,200.0	1,200.0	2.1	2.1	180.00	-61.9	0.0	61.9	57.7	4.14	14.936			
1,300.0	1,300.0	1,300.0	1,300.0	2.2	2.2	180.00	-61.9	0.0	61.9	57.4	4.49	13.775			
1,400.0	1,400.0	1,400.0	1,400.0	2.4	2.4	180.00	-61.9	0.0	61.9	57.0	4.84	12.782			
1,500.0	1,500.0	1,500.0	1,500.0	2.6	2.6	180.00	-61.9	0.0	61.9	56.7	5.19	11.922			
1,600.0	1,600.0	1,600.0	1,600.0	2.8	2.8	180.00	-61.9	0.0	61.9	56.3	5.54	11.171			
1,700.0	1,700.0	1,700.0	1,700.0	2.9	2.9	180.00	-61.9	0.0	61.9	56.0	5.89	10.509			
1,800.0	1,800.0	1,800.0	1,800.0	3.1	3.1	180.00	-61.9	0.0	61.9	55.6	6.24	9.921			
1,900.0	1,900.0	1,900.0	1,900.0	3.3	3.3	180.00	-61.9	0.0	61.9	55.3	6.59	9.395			
2,000.0	2,000.0	2,000.0	2,000.0	3.5	3.5	180.00	-61.9	0.0	61.9	54.9	6.94	8.922			
2,100.0	2,100.0	2,100.0	2,100.0	3.6	3.6	180.00	-61.9	0.0	61.9	54.6	7.29	8.495			
2,200.0	2,200.0	2,200.0	2,200.0	3.8	3.8	180.00	-61.9	0.0	61.9	54.3	7.63	8.106			
2,300.0	2,300.0	2,300.0	2,300.0	4.0	4.0	180.00	-61.9	0.0	61.9	53.9	7.98	7.752			
2,400.0	2,400.0	2,400.0	2,400.0	4.2	4.2	180.00	-61.9	0.0	61.9	53.6	8.33	7.427			
2,500.0	2,500.0	2,500.0	2,500.0	4.3	4.3	180.00	-61.9	0.0	61.9	53.2	8.68	7.128			
2,600.0	2,600.0	2,600.0	2,600.0	4.5	4.5	180.00	-61.9	0.0	61.9	52.9	9.03	6.853			
2,700.0	2,700.0	2,700.0	2,700.0	4.7	4.7	180.00	-61.9	0.0	61.9	52.5	9.38	6.598			
2,800.0	2,800.0	2,800.0	2,800.0	4.9	4.9	180.00	-61.9	0.0	61.9	52.2	9.73	6.361			
2,900.0	2,900.0	2,900.0	2,900.0	5.0	5.0	180.00	-61.9	0.0	61.9	51.8	10.08	6.141			
3,000.0	3,000.0	3,000.0	3,000.0	5.2	5.2	180.00	-61.9	0.0	61.9	51.5	10.43	5.935			
3,100.0	3,100.0	3,100.0	3,100.0	5.4	5.4	180.00	-61.9	0.0	61.9	51.1	10.78	5.743			
3,200.0	3,200.0	3,200.0	3,200.0	5.6	5.6	180.00	-61.9	0.0	61.9	50.8	11.12	5.563			
3,300.0	3,300.0	3,300.0	3,300.0	5.7	5.7	180.00	-61.9	0.0	61.9	50.4	11.47	5.394			
3,400.0	3,400.0	3,400.0	3,400.0	5.9	5.9	180.00	-61.9	0.0	61.9	50.1	11.82	5.234			
3,500.0	3,500.0	3,500.0	3,500.0	6.1	6.1	180.00	-61.9	0.0	61.9	49.7	12.17	5.084			
3,600.0	3,600.0	3,600.0	3,600.0	6.3	6.3	180.00	-61.9	0.0	61.9	49.4	12.52	4.942 CC, ES, SF			
3,700.0	3,699.5	3,699.5	3,699.5	6.4	6.4	179.77	-61.9	0.0	70.6	57.8	12.74	5.541			
3,800.0	3,796.0	3,796.0	3,796.0	6.7	6.6	179.82	-61.9	0.0	96.4	83.7	12.69	7.597			
3,900.0	3,886.5	3,886.5	3,886.5	7.0	6.8	179.87	-61.9	0.0	138.6	126.2	12.40	11.183			
4,000.0	3,969.8	3,957.9	3,957.8	7.4	6.9	178.82	-63.8	2.9	196.1	183.8	12.35	15.885			
4,100.0	4,052.2	4,019.8	4,018.8	8.0	7.0	176.56	-69.3	11.3	260.4	247.7	12.65	20.588			
4,200.0	4,134.6	4,074.1	4,071.2	8.6	7.1	174.15	-77.2	23.2	329.4	316.5	12.95	25.436			
4,300.0	4,216.9	4,121.3	4,115.5	9.3	7.2	171.92	-86.2	36.8	402.8	389.6	13.27	30.359			
4,400.0	4,299.3	4,162.2	4,152.6	10.0	7.4	169.96	-95.6	51.1	480.0	466.4	13.60	35.292			

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
Project: San Juan Co, NM
Reference Site: S36-T24N-R10W (Good Times)
Site Error: 0.0ft
Reference Well: Good Times P36-2410 01H
Well Error: 0.0ft
Reference Wellbore: HZ
Reference Design: Plan #2

Local Co-ordinate Reference: Well Good Times P36-2410 01H
TVD Reference: 13' KB @ 6887.0ft (Original Well Elev)
MD Reference: 13' KB @ 6887.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature
Output errors are at 2.00 sigma
Database: USA EDM 5000 Multi Users DB
Offset TVD Reference: Offset Datum

Offset Design S36-T24N-R10W (Good Times) - Good Times P36-2410 04H - HZ - Plan #1													Offset Site Error: 0.0 ft
Survey Program: 0-MWD													Offset Well Error: 0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		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)	Uncertainty Axis		
0.0	0.0	0.0	0.0	0.0	0.0	180.00	-91.0	0.0	91.0				
100.0	100.0	100.0	100.0	0.2	0.2	180.00	-91.0	0.0	91.0	90.7	0.30	299.670	
200.0	200.0	200.0	200.0	0.3	0.3	180.00	-91.0	0.0	91.0	90.4	0.65	139.419	
300.0	300.0	300.0	300.0	0.5	0.5	180.00	-91.0	0.0	91.0	90.0	1.00	90.841	
400.0	400.0	400.0	400.0	0.7	0.7	180.00	-91.0	0.0	91.0	89.7	1.35	67.368	
500.0	500.0	500.0	500.0	0.8	0.8	180.00	-91.0	0.0	91.0	89.3	1.70	53.535	
600.0	600.0	600.0	600.0	1.0	1.0	180.00	-91.0	0.0	91.0	89.0	2.05	44.415	
700.0	700.0	700.0	700.0	1.2	1.2	180.00	-91.0	0.0	91.0	88.6	2.40	37.950	
800.0	800.0	800.0	800.0	1.4	1.4	180.00	-91.0	0.0	91.0	88.3	2.75	33.127	
900.0	900.0	900.0	900.0	1.5	1.5	180.00	-91.0	0.0	91.0	87.9	3.10	29.393	
1,000.0	1,000.0	1,000.0	1,000.0	1.7	1.7	180.00	-91.0	0.0	91.0	87.6	3.45	26.415	
1,100.0	1,100.0	1,100.0	1,100.0	1.9	1.9	180.00	-91.0	0.0	91.0	87.2	3.79	23.985	
1,200.0	1,200.0	1,200.0	1,200.0	2.1	2.1	180.00	-91.0	0.0	91.0	86.9	4.14	21.964	
1,300.0	1,300.0	1,300.0	1,300.0	2.2	2.2	180.00	-91.0	0.0	91.0	86.5	4.49	20.257	
1,400.0	1,400.0	1,400.0	1,400.0	2.4	2.4	180.00	-91.0	0.0	91.0	86.2	4.84	18.797	
1,500.0	1,500.0	1,500.0	1,500.0	2.6	2.6	180.00	-91.0	0.0	91.0	85.8	5.19	17.533	
1,600.0	1,600.0	1,600.0	1,600.0	2.8	2.8	180.00	-91.0	0.0	91.0	85.5	5.54	16.428	
1,700.0	1,700.0	1,700.0	1,700.0	2.9	2.9	180.00	-91.0	0.0	91.0	85.1	5.89	15.454	
1,800.0	1,800.0	1,800.0	1,800.0	3.1	3.1	180.00	-91.0	0.0	91.0	84.8	6.24	14.589	
1,900.0	1,900.0	1,900.0	1,900.0	3.3	3.3	180.00	-91.0	0.0	91.0	84.4	6.59	13.816	
2,000.0	2,000.0	2,000.0	2,000.0	3.5	3.5	180.00	-91.0	0.0	91.0	84.1	6.94	13.121	
2,100.0	2,100.0	2,100.0	2,100.0	3.6	3.6	180.00	-91.0	0.0	91.0	83.7	7.29	12.492	
2,200.0	2,200.0	2,200.0	2,200.0	3.8	3.8	180.00	-91.0	0.0	91.0	83.4	7.63	11.921	
2,300.0	2,300.0	2,300.0	2,300.0	4.0	4.0	180.00	-91.0	0.0	91.0	83.0	7.98	11.400	
2,400.0	2,400.0	2,400.0	2,400.0	4.2	4.2	180.00	-91.0	0.0	91.0	82.7	8.33	10.922	
2,500.0	2,500.0	2,500.0	2,500.0	4.3	4.3	180.00	-91.0	0.0	91.0	82.3	8.68	10.483	
2,600.0	2,600.0	2,600.0	2,600.0	4.5	4.5	180.00	-91.0	0.0	91.0	82.0	9.03	10.078	
2,700.0	2,700.0	2,700.0	2,700.0	4.7	4.7	180.00	-91.0	0.0	91.0	81.6	9.38	9.703	
2,800.0	2,800.0	2,800.0	2,800.0	4.9	4.9	180.00	-91.0	0.0	91.0	81.3	9.73	9.355	
2,900.0	2,900.0	2,900.0	2,900.0	5.0	5.0	180.00	-91.0	0.0	91.0	80.9	10.08	9.031	
3,000.0	3,000.0	3,000.0	3,000.0	5.2	5.2	180.00	-91.0	0.0	91.0	80.6	10.43	8.728	
3,100.0	3,100.0	3,100.0	3,100.0	5.4	5.4	180.00	-91.0	0.0	91.0	80.2	10.78	8.446	
3,200.0	3,200.0	3,200.0	3,200.0	5.6	5.6	180.00	-91.0	0.0	91.0	79.9	11.12	8.181	
3,300.0	3,300.0	3,300.0	3,300.0	5.7	5.7	180.00	-91.0	0.0	91.0	79.5	11.47	7.932	
3,400.0	3,400.0	3,400.0	3,400.0	5.9	5.9	180.00	-91.0	0.0	91.0	79.2	11.82	7.697	
3,500.0	3,500.0	3,500.0	3,500.0	6.1	6.1	180.00	-91.0	0.0	91.0	78.8	12.17	7.477	
3,541.6	3,541.6	3,541.6	3,541.6	6.2	6.2	180.00	-91.0	0.0	91.0	78.7	12.32	7.388 CC, ES	
3,600.0	3,600.0	3,595.1	3,595.0	6.3	6.3	179.53	-92.0	0.8	92.2	79.6	12.51	7.365 SF	
3,700.0	3,699.5	3,680.1	3,679.1	6.4	6.4	175.48	-101.6	7.8	112.4	99.7	12.71	8.847	
3,800.0	3,796.0	3,750.0	3,746.4	6.7	6.6	171.07	-116.9	19.2	160.5	147.8	12.63	12.707	
3,900.0	3,886.5	3,806.7	3,798.9	7.0	6.7	166.81	-134.0	31.9	230.5	218.1	12.33	18.688	
4,000.0	3,969.8	3,850.0	3,837.4	7.4	6.9	164.23	-149.9	43.6	314.4	302.1	12.31	25.539	
4,100.0	4,052.2	3,875.5	3,859.3	8.0	7.0	163.69	-160.3	51.3	401.9	389.3	12.59	31.931	
4,200.0	4,134.6	3,900.0	3,879.9	8.6	7.1	163.15	-171.1	59.3	491.6	478.7	12.87	38.189	

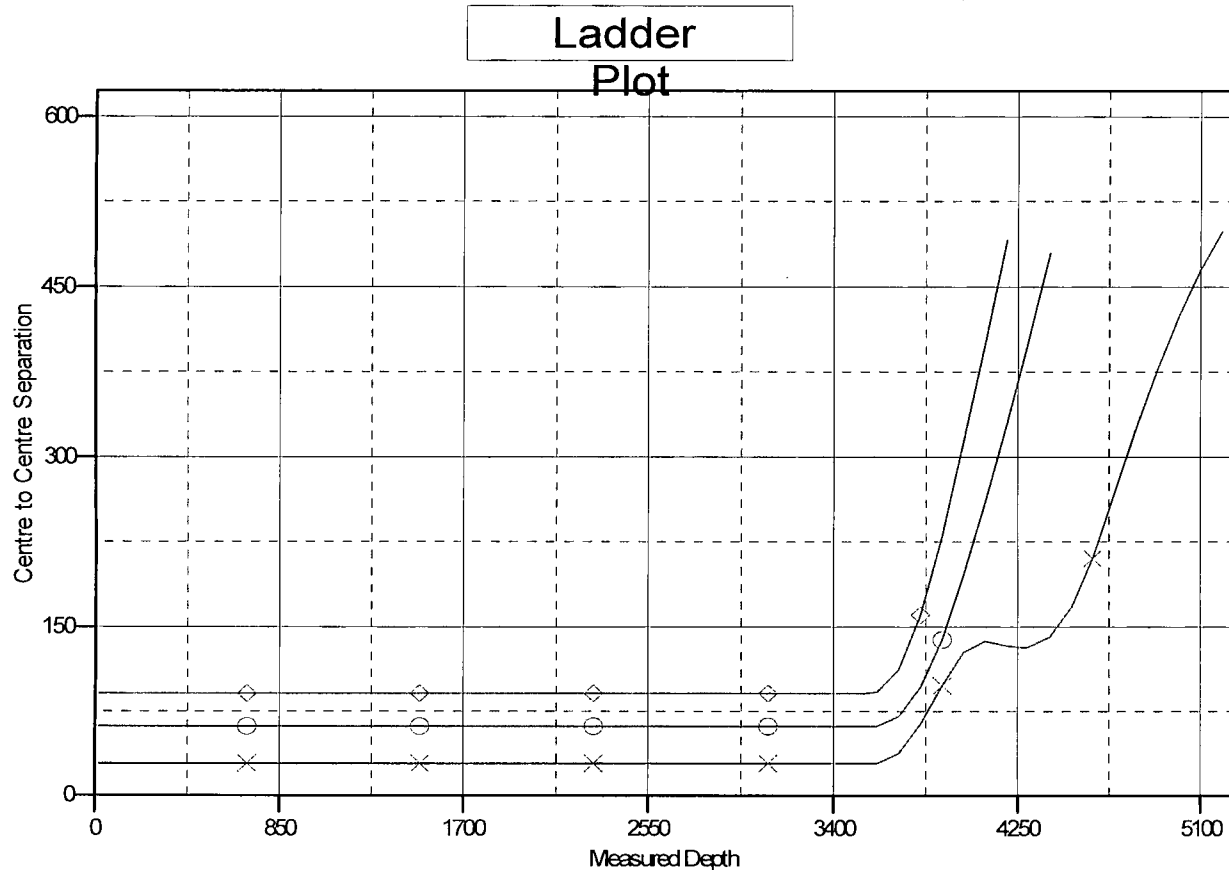
Anticollision Report

Company: EnCana Oil & Gas (USA) Inc
Project: San Juan Co, NM
Reference Site: S36-T24N-R10W (Good Times)
Site Error: 0.0ft
Reference Well: Good Times P36-2410 01H
Well Error: 0.0ft
Reference Wellbore: HZ
Reference Design: Plan #2

Local Co-ordinate Reference: Well Good Times P36-2410 01H
TVD Reference: 13' KB @ 6887.0ft (Original Well Elev)
MD Reference: 13' KB @ 6887.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature
Output errors are at 2.00 sigma
Database: USA EDM 5000 Multi Users DB
Offset TVD Reference: Offset Datum

Reference Depths are relative to 13' KB @ 6887.0ft (Original Well Elev)
 Offset Depths are relative to Offset Datum
 Central Meridian is -107.833333 °

Coordinates are relative to: Good Times P36-2410 01H
 Coordinate System is US State Plane 1983, New Mexico Western Zone
 Grid Convergence at Surface is: 0.00°



LEGEND

—○— Good Times P36-2410 03H, HZ, Plan #1 V0 —◇— Good Times P36-2410 04H, HZ, Plan #1 V0 —×— Good Times P36-2410 02H, HZ, Plan #2 V0