

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
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-101
Revised August 1, 2011

Permit U

RCVD MAR 16 '12
OIL CONS. DIV.

DIST. 3

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

¹ Operator Name and Address ENCANA OIL & GAS (USA) INC 370 17 TH STREET, SUITE 1700 DENVER, CO 80202		² OGRID Number 282327
		³ API Number 30-045-35361
⁴ Property Code 39127	⁵ Property Name GOOD TIMES B32-2410	⁶ Well No. 01H

⁷ Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
SHL: I	32	24N	10W		2215	SOUTH	300	EAST	SAN JUAN
BHL: L	32	24N	10W		2215	SOUTH	330	WEST	SAN JUAN

⁸ Pool Information

SOUTH BISTI - GALLUP (0) (5860)

Additional Well Information

⁹ Work Type N	¹⁰ Well Type O	¹¹ Cable/Rotary R	¹² Lease Type S	¹³ Ground Level Elevation 6620'
¹⁴ Multiple N/A	¹⁵ Proposed Depth 4525' TVD/8922' MD	¹⁶ Formation GALLUP	¹⁷ Contractor AZTEC	¹⁸ Spud Date 06/01/12
Depth to Ground water UNKNOWN		Distance from nearest fresh water well GREATER THAN 5280'		Distance to nearest surface water 1320' (dry)

¹⁹ Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
CONDUCTOR	26"	26"	94#	60'	80	SURFACE
SURFACE	17 1/2"	13 3/8"	48#	500'	291	SURFACE
INTERMEDIATE	12 1/4"	9 5/8"	40#	3775'	901 (50% OH EXCESS)	SURFACE
PROD LINER	8 1/2"	5 1/2"	17#	3575'-8922' 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 KOP TO TD OF HORIZONTAL LATERAL
--

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
ANNULAR	3000	1500	TBD
DOUBLE RAM	3000	3000	TBD

CONFIDENTIAL

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 the drilling pit will be constructed according to NMOCDD guidelines ☐ , a general permit ☐ or an (attached) alternative OCD-approved plan ☐ . <i>Brenda R. Linstner</i>		OIL CONSERVATION DIVISION	
Printed name: BRENDA R. LINSTER		Approved By <i>Charles</i>	
Title: REGULATORY ADVISOR		Title: SUPERVISOR DISTRICT # 3	
E-mail Address: BRENDA.LINSTER@ENCANA.COM		Approved Date: APR 02 2012	Expiration Date: APR 02 2014
Date: 03.13.12		Phone: 720-876-3989	
		Conditions of Approval Attached	

APR 02 2012 ca

AV

CONFIDENTIAL

Hold C104
for Directional Survey
and "As Drilled" plat

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

District I
1625 N. French Drive, Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II
811 S. First Street, 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 Drive, Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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 30-045-35361		*Pool Code 5860	*Pool Name SOUTH BISTI - GALLUP (O)
*Property Code 39127	*Property Name GOOD TIMES I32-2410		*Well Number 01H
*GRID No 282327	*Operator Name ENCANA OIL & GAS (USA) INC.		*Elevation 6620'

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	32	24N	10W		2215	SOUTH	300	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	32	24N	10W		2215	SOUTH	330	WEST	SAN JUAN

¹² Dedicated Acres 320.0 Acres - (S/2)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--	-------------------------------	----------------------------------	-------------------------

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

¹⁶ S89°50'49"W 2633.58' (MEASURED) S89°48'W 2633.07' (RECORD)		S89°52'48"W 2632.27' (MEASURED) S89°48'W 2633.07' (RECORD)		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: <u>Brenda R. Linster</u> Date: <u>03/13/12</u> Printed Name: <u>Brenda R. Linster, Regulatory Analyst</u> E-mail Address: <u>brenda.linster@encana.com</u>
NO '03'W 2625.81' (RECORD) NO '02'08'E 2626.10' (MEASURED)		NO '09'W 2614.92' (RECORD) NO '13'44'E 2614.30' (MEASURED)		
32				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. Survey Date: <u>JANUARY 20, 2012</u> Signature and Seal of Professional Surveyor  <u>JASON C. EDWARDS</u> Certificate Number 15269
NO '01'08'E 2626.89' (MEASURED) NO '03'W 2625.81' (RECORD)		NO '15'11'E 2615.22' (MEASURED) NO '09'W 2614.92' (RECORD)		

330'
300'

32

S89°35.8'W 4625.5'

END OF LATERAL
LAT: 36.26878°N
LONG: 107.92641°W
DATUM: NAD1927

LAT: 36.26879°N
LONG: 107.92703°W
DATUM: NAD1983

SURFACE LOCATION
LAT: 36.26889°N
LONG: 107.91072°W
DATUM: NAD1927

LAT: 36.26890°N
LONG: 107.91134°W
DATUM: NAD1983

N89°33'E 2622.84' (RECORD)
N89°37'56"E 2624.28' (MEASURED)

N89°33'E 2622.84' (RECORD)
N89°34'49"E 2622.18' (MEASURED)



Project: San Juan Co, NM
Site: S32-T24N-R10W (Good Times)
Well: Good Times I32-2410 01H
Wellbore: Hz
Design: Plan #1

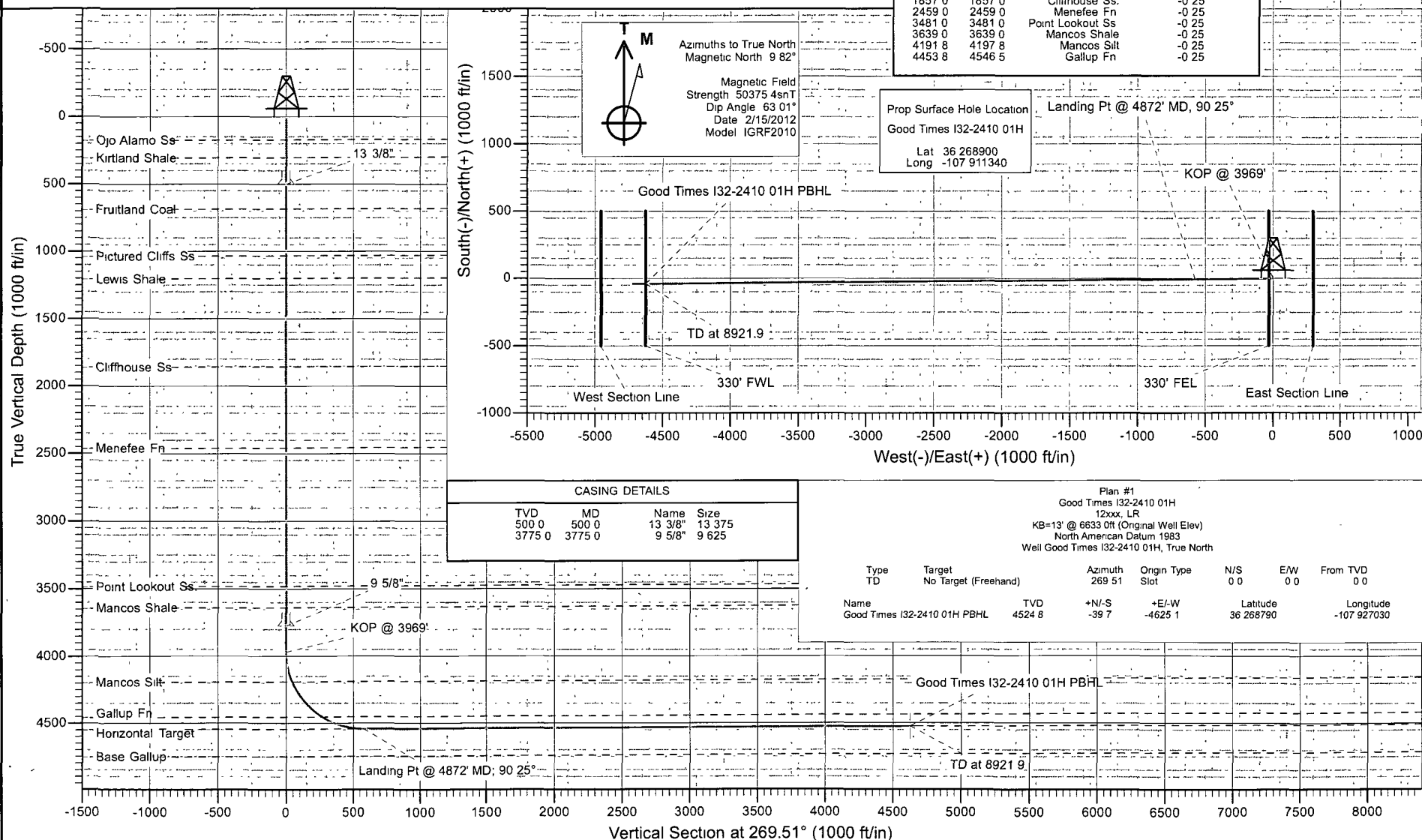


SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSEct	Target	Annotation
1	0 0	0 00	0 00	0 0	0 0	0 0	0 00	0 00	0 0		
2	3969 5	0 00	0 00	3969 5	0 0	0 0	0 00	0 00	0 0		KOP @ 3969'
3	4872 0	90 25	269 51	4542 5	-4 9	-575 4	10 00	269 51	575 5	Good Times I32-2410 01H PBHL	Landing Pt @ 4872' MD, 90 25°
4	8921 9	90 25	269 51	4524 8	-39 7	-4625 1	0 00	0 00	4625 3		TD at 8921 9

FORMATION TOP DETAILS

TVDPath	MDPath	Formation	DipAngle
173 0	173 0	Ojo Alamo Ss	-0 25
305 0	305 0	Kirtland Shale	-0 25
686 0	686 0	Fruitland Coal	-0 25
1034 0	1034 0	Pictured Cliffs Ss	-0 25
1202 0	1202 0	Lewis Shale	-0 25
1857 0	1857 0	Cliffhouse Ss	-0 25
2459 0	2459 0	Menefee Fn	-0 25
3481 0	3481 0	Point Lookout Ss	-0 25
3639 0	3639 0	Mancos Shale	-0 25
4191 8	4197 8	Mancos Silt	-0 25
4453 8	4546 5	Gallup Fn	-0 25



Planning Report

Database:	USA EDM 5000 Multi Users, DB	Local Co-ordinate Reference:	Well Good Times I32-2410 01H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	KB=13' @ 6633 0ft (Original Well Elev)
Project:	San Juan Co, NM	MD Reference:	KB=13' @ 6633 0ft (Original Well Elev)
Site:	S32-T24N-R10W (Good Times)	North Reference:	True
Well:	Good Times I32-2410 01H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #1		

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	S32-T24N-R10W (Good Times)				
Site Position:		Northing:	1,917,191.65 ft	Latitude:	36.268900
From:	Lat/Long	Easting:	2,700,102.26 ft	Longitude:	-107.911340
Position Uncertainty:	0.0 ft	Slot Radius:	13.200 in	Grid Convergence:	-0.05 °

Well	Good Times I32-2410 01H					
Well Position	+N/-S	0.0 ft	Northing:	1,917,191.65 ft	Latitude:	36.268900
	+E/-W	0.0 ft	Easting:	2,700,102.26 ft	Longitude:	-107.911340
Position Uncertainty	0.0 ft	Wellhead Elevation:	ft	Ground Level:	6,620.0 ft	

Wellbore	Hz				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2/15/2012	9.82	63.01	50,375

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.0	0.0	0.0	269.51

Plan Sections										
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Dogleg Rate	Build Rate	Turn Rate	TFO	Target
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100ft)	(°)	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,969.5	0.00	0.00	3,969.5	0.0	0.0	0.00	0.00	0.00	0.00	
4,872.0	90.25	269.51	4,542.5	-4.9	-575.4	10.00	10.00	0.00	269.51	
8,921.9	90.25	269.51	4,524.8	-39.7	-4,625.1	0.00	0.00	0.00	0.00	Good Times I32-2410

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Good Times I32-2410 01H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	KB=13' @ 6633.0ft (Original Well Elev)
Project:	San Juan Co, NM	MD Reference:	KB=13' @ 6633.0ft (Original Well Elev)
Site:	S32-T24N-R10W (Good Times)	North Reference:	True
Well:	Good Times I32-2410 01H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
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)	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	
173.0	0.00	0.00	173.0	0.0	0.0	0.0	0.00	0.00	Ojo Alamo Ss.
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	
305.0	0.00	0.00	305.0	0.0	0.0	0.0	0.00	0.00	Kirtland Shale
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	13 3/8"
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	
686.0	0.00	0.00	686.0	0.0	0.0	0.0	0.00	0.00	Fruitland Coal
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	
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	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	
1,034.0	0.00	0.00	1,034.0	0.0	0.0	0.0	0.00	0.00	Pictured Cliffs Ss.
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	
1,202.0	0.00	0.00	1,202.0	0.0	0.0	0.0	0.00	0.00	Lewis Shale
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	
1,500.0	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	
1,857.0	0.00	0.00	1,857.0	0.0	0.0	0.0	0.00	0.00	Cliffhouse Ss.
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	
2,100.0	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	
2,459.0	0.00	0.00	2,459.0	0.0	0.0	0.0	0.00	0.00	Menefee Fn
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	
2,700.0	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	
3,481.0	0.00	0.00	3,481.0	0.0	0.0	0.0	0.00	0.00	Point Lookout Ss.
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	
3,639.0	0.00	0.00	3,639.0	0.0	0.0	0.0	0.00	0.00	Mancos Shale
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	
3,775.0	0.00	0.00	3,775.0	0.0	0.0	0.0	0.00	0.00	9 5/8"
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	
3,969.5	0.00	0.00	3,969.5	0.0	0.0	0.0	0.00	0.00	KOP @ 3969'
4,000.0	3.05	269.51	4,000.0	0.0	-0.8	0.8	10.00	10.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Good Times I32-2410 01H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	KB=13' @ 6633.0ft (Original Well Elev)
Project:	San Juan Co, NM	MD Reference:	KB=13' @ 6633.0ft (Original Well Elev)
Site:	S32-T24N-R10W (Good Times)	North Reference:	True
Well:	Good Times I32-2410 01H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
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)	Comments / Formations
4,100.0	13.05	269.51	4,098.9	-0.1	-14.8	14.8	10.00	10.00	
4,197.8	22.83	269.51	4,191.8	-0.4	-44.9	44.9	10.00	10.00	Mancos Silt
4,200.0	23.05	269.51	4,193.8	-0.4	-45.7	45.7	10.00	10.00	
4,300.0	33.05	269.51	4,282.0	-0.8	-92.7	92.7	10.00	10.00	
4,400.0	43.05	269.51	4,360.6	-1.3	-154.2	154.2	10.00	10.00	
4,500.0	53.05	269.51	4,427.4	-2.0	-228.5	228.5	10.00	10.00	
4,546.5	57.70	269.51	4,453.8	-2.3	-266.8	266.8	10.00	10.00	Gallup Fn.
4,600.0	63.05	269.51	4,480.3	-2.7	-313.2	313.3	10.00	10.00	
4,700.0	73.05	269.51	4,517.6	-3.5	-405.9	405.9	10.00	10.00	
4,800.0	83.05	269.51	4,538.3	-4.3	-503.6	503.6	10.00	10.00	
4,872.0	90.25	269.51	4,542.5	-4.9	-575.4	575.5	10.00	10.00	Landing Pt @ 4872' MD; 90.25°
4,900.0	90.25	269.51	4,542.4	-5.2	-603.4	603.4	0.00	0.00	
5,000.0	90.25	269.51	4,541.9	-6.0	-703.4	703.4	0.00	0.00	
5,100.0	90.25	269.51	4,541.5	-6.9	-803.4	803.4	0.00	0.00	
5,200.0	90.25	269.51	4,541.1	-7.7	-903.4	903.4	0.00	0.00	
5,300.0	90.25	269.51	4,540.6	-8.6	-1,003.4	1,003.4	0.00	0.00	
5,400.0	90.25	269.51	4,540.2	-9.5	-1,103.4	1,103.4	0.00	0.00	
5,500.0	90.25	269.51	4,539.7	-10.3	-1,203.4	1,203.4	0.00	0.00	
5,600.0	90.25	269.51	4,539.3	-11.2	-1,303.4	1,303.4	0.00	0.00	
5,700.0	90.25	269.51	4,538.9	-12.0	-1,403.4	1,403.4	0.00	0.00	
5,800.0	90.25	269.51	4,538.4	-12.9	-1,503.4	1,503.4	0.00	0.00	
5,900.0	90.25	269.51	4,538.0	-13.8	-1,603.4	1,603.4	0.00	0.00	
6,000.0	90.25	269.51	4,537.6	-14.6	-1,703.3	1,703.4	0.00	0.00	
6,100.0	90.25	269.51	4,537.1	-15.5	-1,803.3	1,803.4	0.00	0.00	
6,200.0	90.25	269.51	4,536.7	-16.3	-1,903.3	1,903.4	0.00	0.00	
6,300.0	90.25	269.51	4,536.3	-17.2	-2,003.3	2,003.4	0.00	0.00	
6,400.0	90.25	269.51	4,535.8	-18.0	-2,103.3	2,103.4	0.00	0.00	
6,500.0	90.25	269.51	4,535.4	-18.9	-2,203.3	2,203.4	0.00	0.00	
6,600.0	90.25	269.51	4,534.9	-19.8	-2,303.3	2,303.4	0.00	0.00	
6,700.0	90.25	269.51	4,534.5	-20.6	-2,403.3	2,403.4	0.00	0.00	
6,800.0	90.25	269.51	4,534.1	-21.5	-2,503.3	2,503.4	0.00	0.00	
6,900.0	90.25	269.51	4,533.6	-22.3	-2,603.3	2,603.4	0.00	0.00	
7,000.0	90.25	269.51	4,533.2	-23.2	-2,703.3	2,703.4	0.00	0.00	
7,100.0	90.25	269.51	4,532.8	-24.0	-2,803.3	2,803.4	0.00	0.00	
7,200.0	90.25	269.51	4,532.3	-24.9	-2,903.3	2,903.4	0.00	0.00	
7,300.0	90.25	269.51	4,531.9	-25.8	-3,003.3	3,003.4	0.00	0.00	
7,400.0	90.25	269.51	4,531.5	-26.6	-3,103.3	3,103.4	0.00	0.00	
7,500.0	90.25	269.51	4,531.0	-27.5	-3,203.3	3,203.4	0.00	0.00	
7,600.0	90.25	269.51	4,530.6	-28.3	-3,303.3	3,303.4	0.00	0.00	
7,700.0	90.25	269.51	4,530.1	-29.2	-3,403.3	3,403.4	0.00	0.00	
7,800.0	90.25	269.51	4,529.7	-30.0	-3,503.3	3,503.4	0.00	0.00	
7,900.0	90.25	269.51	4,529.3	-30.9	-3,603.3	3,603.4	0.00	0.00	
8,000.0	90.25	269.51	4,528.8	-31.8	-3,703.3	3,703.4	0.00	0.00	
8,100.0	90.25	269.51	4,528.4	-32.6	-3,803.3	3,803.4	0.00	0.00	
8,200.0	90.25	269.51	4,528.0	-33.5	-3,903.2	3,903.4	0.00	0.00	
8,300.0	90.25	269.51	4,527.5	-34.3	-4,003.2	4,003.4	0.00	0.00	
8,400.0	90.25	269.51	4,527.1	-35.2	-4,103.2	4,103.4	0.00	0.00	
8,500.0	90.25	269.51	4,526.7	-36.0	-4,203.2	4,203.4	0.00	0.00	
8,600.0	90.25	269.51	4,526.2	-36.9	-4,303.2	4,303.4	0.00	0.00	
8,700.0	90.25	269.51	4,525.8	-37.8	-4,403.2	4,403.4	0.00	0.00	
8,800.0	90.25	269.51	4,525.3	-38.6	-4,503.2	4,503.4	0.00	0.00	
8,900.0	90.25	269.51	4,524.9	-39.5	-4,603.2	4,603.4	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: S32-T24N-R10W (Good Times) Well: Good Times I32-2410 01H Wellbore: Hz Design: Plan #1	Local Co-ordinate Reference: Well Good Times I32-2410 01H TVD Reference: KB=13' @ 6633.0ft (Original Well Elev) MD Reference: KB=13' @ 6633.0ft (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
8,921.9	90.25	269.51	4,524.8	-39.7	-4,625.1	4,625.3	0.00	0.00	TD at 8921.9 - Good Times I32-2410 01H PBH

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									
Good Times I32-2410 01	0.00	0.00	4,524.8	-39.7	-4,625.1	1,917,155.71	2,695,477.11	36 268790	-107.927030
- plan hits target center									
- Point									

Casing Points

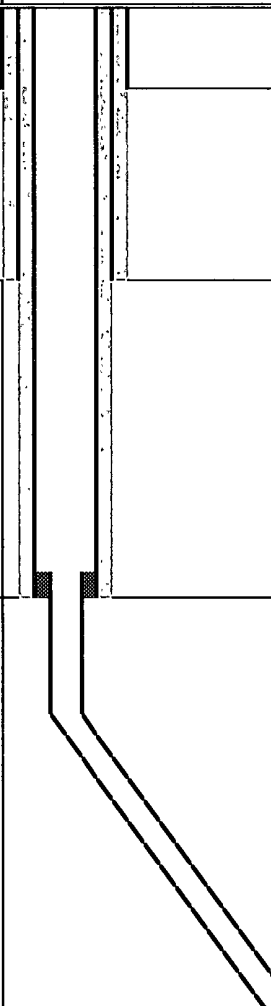
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)
3,775.0	3,775.0	9 5/8"	9.625	9.625
500.0	500.0	13 3/8"	13.375	13.375

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
173.0	173.0	Ojo Alamo Ss.		-0.25	269.51
305.0	305.0	Kirtland Shale		-0.25	269.51
686.0	686.0	Fruitland Coal		-0.25	269.51
1,034.0	1,034.0	Pictured Cliffs Ss.		-0.25	269.51
1,202.0	1,202.0	Lewis Shale		-0.25	269.51
1,857.0	1,857.0	Cliffhouse Ss.		-0.25	269.51
2,459.0	2,459.0	Menefee Fn		-0.25	269.51
3,481.0	3,481.0	Point Lookout Ss.		-0.25	269.51
3,639.0	3,639.0	Mancos Shale		-0.25	269.51
4,197.8	4,192.0	Mancos Silt		-0.25	269.51
4,546.5	4,455.0	Gallup Fn.		-0.25	269.51

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
3,969.5	3,969.5	0.0	0.0	KOP @ 3969'
4,872.0	4,542.5	-4.9	-575.4	Landing Pt @ 4872' MD; 90.25°
8,921.9	4,524.8	-39.7	-4,625.1	TD at 8921.9

LOC: Sec 32-T24N-R10W County: San Juan WELL: Good Times I32-2410 01H			Encana Natural Gas WELL SUMMARY			encana™ natural gas		ENG: J. Fox/ A. 3/13/12 RIG: GLE: 6620 RKBE:	
MWD LWD	OPEN HOLE LOGGING	FORM	DEPTH			HOLE SIZE	CASING SPECS	MW MUD TYPE	DEVIATION INFORMATION
			TVD	MD					
			60	60'			20" 94# Cement to Surface	Fresh wtr 8 3-9 2	
Surveys After csg is run	None	Ojo Alamo Kirtland Shale	173 305			17 1/2	13 3/8" 48ppf H40 STC	Fresh wtr 8 4-8 6	Vertical <1°
			500	500			Cement to Surface		
Surveys every 500'	No OH logs	Fruitland Coal Pictured Cliffs Ss Lewis Shale Cliffhouse Ss Menefee Fn Point Lookout Ss Mancos Sh	686 1034 1202 1857 2459 3481 3639 3775	3775		12 1/4	9 5/8" 40ppf J55 STC	Fresh Wtr 8 5-8 8	Vertical <1°
Surveys every 500' Gyro at CP MWD Gamma Directional	No OH Logs	KICK OFF PT Mancos Silt Gallup Top horz target Base Gallup	3969 4192 4455 4542 4751	4872		8 1/2	5 1/2" 17ppf I/L80 LTC Running external swellable csg packers for isolation of prod string 200' overlap at liner top 4050' Lateral	Fresh Wtr 8 5-8 8 Switch to OBM at K/O 8 6-9 0 8 6-9 0 OBM	KOP 3969 10 deg/100' 25deg updip 4525'TVD TD = 8922' MD

NOTES:

- 1) Drill with 26" bit to 60', set 20" 94# conductor pipe
- 2) Drill surface to 500', R&C 13 3/8" casing
- 3) N/U BOP and surface equipment
- 4) Drill to 3775', 12 1/4" hole size
- 5) R&C 9 5/8" casing, circ cmt 50' into sur csg shoe
- 6) Drill 8 1/2" hole to KOP, switch to OBM
- 7) PU directional tools and start curve at 10deg/100' build rate
- 8) If drill curve without hole issues, omit contingent csg string and proceed with 8 1/2 bit to landing depth
- 9) Land at 90deg, drill 4050' lateral to 8922', run 5 1/2" liner with external swellable csg packers