



ENCANA OIL & GAS (USA) INC

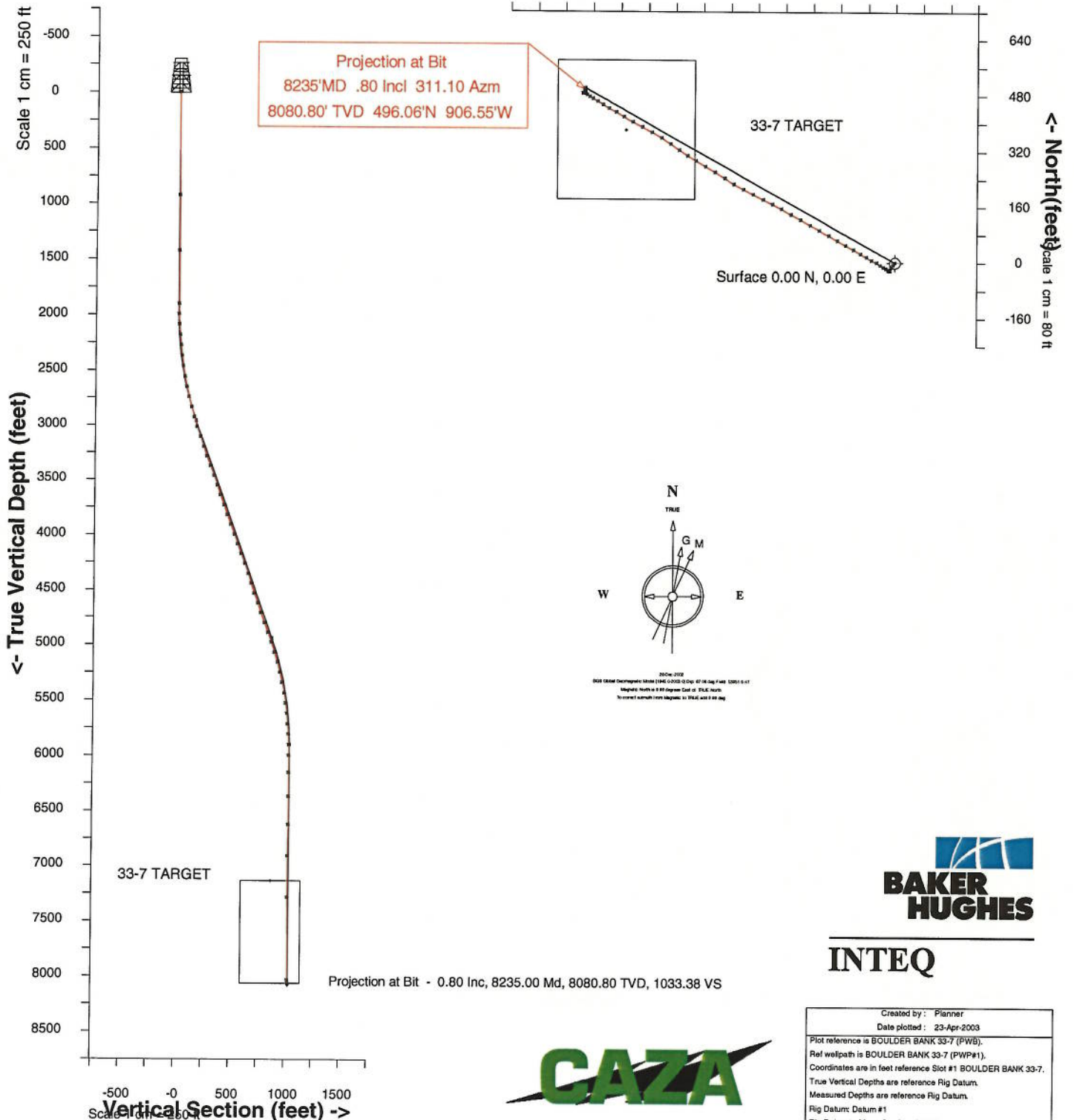
Location: COLORADO
Field: Weld County
Installation: SEC.7-T1N-R66W

Slot: Slot #1 BOULDER BANK 33-7
Well: BOULDER BANK 33-7

Scale 1 cm = 80 ft

East (feet) ->

-1120 -960 -800 -640 -480 -320 -160 0 160



Azimuth 298.92 with reference 0.00 N, 0.00 E from Slot #1 BOULDER BANK 33-7



INTEQ

Created by: Planner
Date plotted: 23-Apr-2003
Plot reference is BOULDER BANK 33-7 (PWB).
Ref wellpath is BOULDER BANK 33-7 (PWP#1).
Coordinates are in feet reference Slot #1 BOULDER BANK 33-7.
True Vertical Depths are reference Rig Datum.
Measured Depths are reference Rig Datum.
Rig Datum: Datum #1
Rig Datum to Mean Sea Level: 0.00.
Plot North is aligned to TRUE North.



ENCANA OIL & GAS (USA) INC, Slot #1
BOULDER BANK 33-7
SEC.7-T1N-R66W,
Weld County, COLORADO

SURVEY LISTING Page 1
Wellbore: BOULDER BANK 33-7 (AWB)
Wellpath: BOULDER BANK 33-7 (AWP#1)
Date Printed: 23-Apr-2003



INTEQ

Wellbore

Name	Created	Last Revised
BOULDER BANK 33-7 (AWB)	10-Mar-2003	23-Apr-2003

Well

Name	Government ID	Last Revised
BOULDER BANK 33-7		26-Dec-2002

Slot

Name	Grid Northing	Grid Easting	Latitude	Longitude	North	East
Slot #1 BOULDER BANK 33-7	269606.5880	2196576.3122	N40 4 16.8115	W104 47 51.3709	1600.00N	1195.00W

Installation

Name	Easting	Northing	Coord System Name	North Alignment
SEC.7-T1N-R66W	2197783.9765	268016.2256	CO-N on NORTH AMERICAN DATUM 1927 datum	True

Field

Name	Easting	Northing	Coord System Name	North Alignment
Weld County	2162679.5372	300202.4514	CO-N on NORTH AMERICAN DATUM 1927 datum	True

Created By

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Comments

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All data is in Feet unless otherwise stated
Coordinates are from Slot MD's are from Rig and TVD's are from Rig (Datum #2 0.00ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 298.69 degrees
Bottom hole distance is 1033.39 Feet on azimuth 298.69 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by Baker Hughes INTEQ



ENCANA OIL & GAS (USA) INC, Slot #1
BOULDER BANK 33-7
SEC.7-T1N-R66W,
Weld County, COLORADO

SURVEY LISTING Page 2
Wellbore: BOULDER BANK 33-7 (AWB)
Wellpath: BOULDER BANK 33-7 (AWP#1)
Date Printed: 23-Apr-2003



INTEQ

Wellpath Report

MD[ft]	Inc[deg]	Dir[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]
0.00	0.00	0.00	0.00	0.00N	0.00E	0.00	0.00
924.00	1.00	220.90	923.95	6.09S	5.28W	0.11	1.71
1424.00	1.10	205.00	1423.87	13.74S	10.16W	0.06	2.32
1899.00	1.20	206.80	1898.77	22.31S	14.33W	0.02	1.86
1992.00	1.80	275.80	1991.75	23.04S	16.23W	1.90	3.18
2086.00	3.60	300.20	2085.64	21.40S	20.25W	2.23	7.49
2180.00	5.20	303.90	2179.36	17.54S	26.33W	1.73	14.68
2274.00	5.60	300.60	2272.95	12.83S	33.82W	0.54	23.51
2369.00	6.90	304.10	2367.38	7.27S	42.53W	1.43	33.82
2464.00	9.10	299.30	2461.45	0.40S	53.81W	2.42	47.02
2558.00	10.30	296.30	2554.11	6.97N	67.83W	1.38	62.85
2653.00	11.20	302.30	2647.44	15.66N	83.24W	1.51	80.54
2748.00	13.00	300.30	2740.33	25.98N	100.27W	1.95	100.43
2842.00	15.50	298.40	2831.43	37.29N	120.45W	2.71	123.56
2937.00	15.60	298.20	2922.95	49.37N	142.87W	0.12	149.03
3031.00	17.90	301.10	3012.96	62.80N	166.38W	2.60	176.11
3126.00	19.20	297.60	3103.02	77.58N	192.73W	1.80	206.31
3221.00	19.00	299.20	3192.79	92.36N	220.07W	0.59	237.39
3315.00	19.70	299.20	3281.48	107.56N	247.26W	0.74	268.54
3410.00	19.60	298.10	3370.95	122.88N	275.29W	0.40	300.48
3505.00	20.20	299.00	3460.28	138.33N	303.69W	0.71	332.82
3599.00	18.50	298.90	3548.97	153.41N	330.94W	1.81	363.96
3694.00	18.20	295.00	3639.14	166.96N	357.59W	1.33	393.84
3788.00	19.70	296.20	3728.04	180.16N	385.11W	1.65	424.32
3883.00	19.90	297.30	3817.43	194.65N	413.84W	0.45	456.48
3976.00	19.70	298.80	3904.93	209.46N	441.64W	0.59	487.98
4071.00	19.90	299.10	3994.31	225.04N	469.80W	0.24	520.16
4166.00	19.90	303.80	4083.64	241.89N	497.37W	1.68	552.43
4260.00	19.80	300.80	4172.06	258.95N	524.34W	1.09	584.28
4355.00	20.50	298.70	4261.25	275.17N	552.75W	1.06	616.99
4450.00	18.80	301.20	4350.71	291.09N	580.44W	2.00	648.92
4543.00	17.60	303.20	4439.06	306.56N	605.02W	1.45	677.91
4638.00	17.70	303.20	4529.59	322.33N	629.12W	0.11	706.63
4732.00	20.10	303.60	4618.51	339.09N	654.54W	2.56	736.97
4827.00	19.40	303.20	4707.93	356.77N	681.34W	0.75	768.96
4921.00	20.20	297.60	4796.38	372.83N	708.78W	2.19	800.75
5015.00	19.60	296.80	4884.76	387.46N	737.24W	0.70	832.74
5109.00	19.40	299.10	4973.37	402.16N	764.95W	0.84	864.11
5204.00	17.20	299.40	5063.56	416.73N	790.98W	2.32	893.93
5298.00	15.30	300.10	5153.80	429.78N	813.82W	2.03	920.23
5393.00	13.70	299.80	5245.77	441.65N	834.43W	1.69	944.01
5487.00	12.20	300.40	5337.38	452.21N	852.65W	1.60	965.07
5582.00	10.00	300.20	5430.60	461.44N	868.44W	2.32	983.35
5677.00	8.10	300.10	5524.41	468.95N	881.36W	2.00	998.29
5771.00	6.30	303.90	5617.67	475.15N	891.38W	1.98	1010.05
5865.00	4.40	302.30	5711.25	479.95N	898.70W	2.03	1018.78
5960.00	3.30	301.80	5806.04	483.34N	904.11W	1.16	1025.15
6054.00	1.60	278.40	5899.95	484.96N	907.71W	2.06	1029.08
6149.00	0.80	282.80	5994.93	485.30N	909.66W	0.85	1030.96
6306.00	0.10	230.50	6151.92	485.45N	910.84W	0.47	1032.07
6524.00	0.30	53.00	6369.92	485.68N	910.53W	0.18	1031.90
6775.00	1.20	116.80	6620.90	484.89N	907.66W	0.44	1029.01

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Coordinates are from Slot MD's are from Rig and TVD's are from Rig (Datum #2 0.00ft above Mean Sea Level)

Vertical Section is from 0.00N 0.00E on azimuth 298.69 degrees

Bottom hole distance is 1033.39 Feet on azimuth 298.69 degrees from Wellhead

Calculation method uses Minimum Curvature method

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SURVEY LISTING Page 3
Wellbore: BOULDER BANK 33-7 (AWB)
Wellpath: BOULDER BANK 33-7 (AWP#1)
Date Printed: 23-Apr-2003



INTEQ

Wellpath Report

MD[ft]	Inc[deg]	Dir[deg]	TVD[ft]	North[ft]	East[ft]	Doqleg [deg/100ft]	Vertical Section[ft]
7059.00	0.50	48.10	6904.87	484.37N	904.08W	0.39	1025.62
7438.00	0.60	349.10	7283.86	487.43N	903.23W	0.14	1026.34
7910.00	0.70	348.70	7755.83	492.68N	904.26W	0.02	1029.77
8189.00	0.80	311.10	8034.80	495.63N	906.06W	0.18	1032.76
8235.00	0.80	311.10	8080.80	496.06N	906.55W	0.00	1033.39

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SURVEY LISTING Page 4
Wellbore: BOULDER BANK 33-7 (AWB)
Wellpath: BOULDER BANK 33-7 (AWP#1)
Date Printed: 23-Apr-2003



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Comments

MD[ft]	TVD[ft]	North[ft]	East[ft]	Comment
7910.00	7755.83	492.68N	904.26W	survey pt 3/10/03
8235.00	8080.80	496.06N	906.55W	Projection at Bit

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