

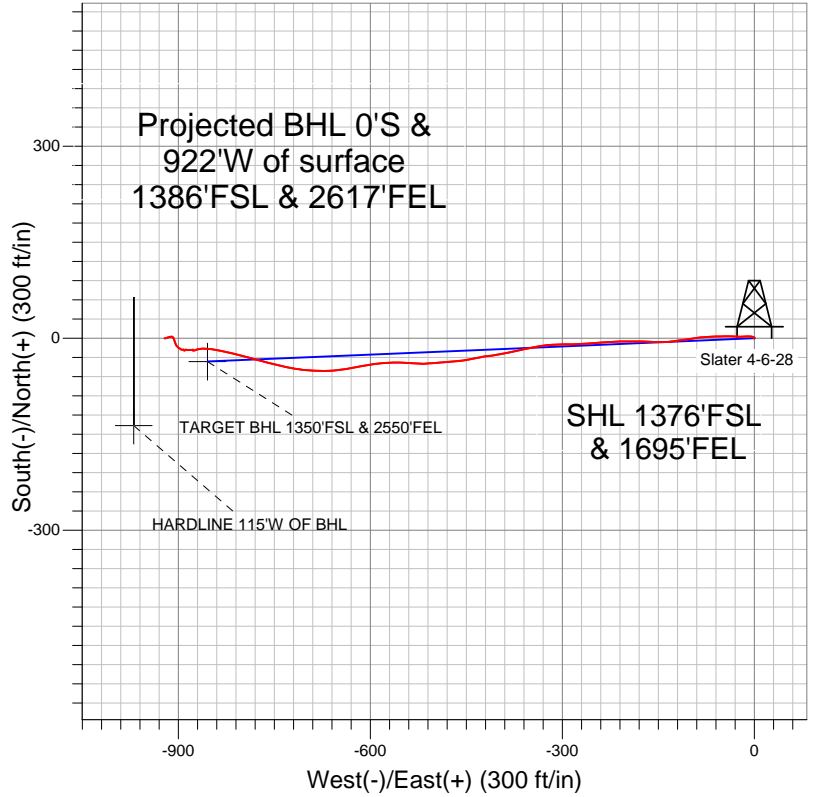
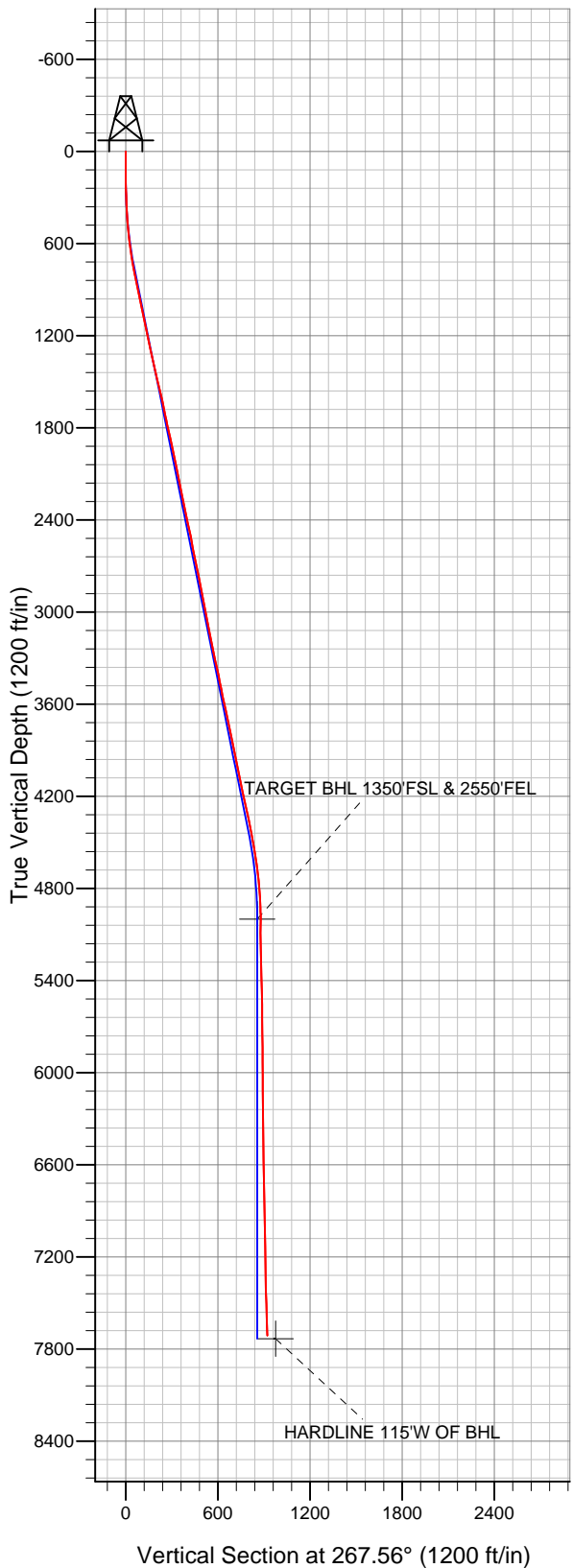


Well Name: Slater 4-6-28

Surface Location: Slater 34-28 Pad Sec.28-T3N-R68W
North American Datum 1983 US State Plane 1983Colorado Northern Zone
Ground Elevation: 4962.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1313648.60	3138441.47	40.193300	-105.004430	
Original Well ElevWELL @ 4975.0ft (Original Well Elev)						

EnCana Oil & Gas Weld County CO



LEGEND

- Survey #1
- Slater 4-6-28, Wellbore #1, Plan #1 (1-11-12) R V0
- Wellbore #1

Final Survey Plot

Projected Final Survey -
7802'MD & 7713'TVD @ 921'VS
1.50 deg Inc 245.30 deg AZ

Project: SEC.28-T3N-R68W
Site: Slater 34-28 Pad Sec.28-T3N-R68W
Well: Slater 4-6-28
Plan: Wellbore #1



EnCana Oil & Gas Weld County CO

SEC.28-T3N-R68W

Slater 34-28 Pad Sec.28-T3N-R68W

Slater 4-6-28

Wellbore #1

Survey: Survey #1

Standard Survey Report

19 January, 2012

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
106.0	0.40	2.00	106.0	0.4	0.0	0.0	0.38	0.38	0.00	
197.0	0.70	308.00	197.0	1.0	-0.4	0.4	0.62	0.33	-59.34	
288.0	1.70	294.00	288.0	1.9	-2.1	2.0	1.14	1.10	-15.38	
380.0	3.00	278.30	379.9	2.8	-5.7	5.6	1.56	1.41	-17.07	
471.0	4.60	264.30	470.7	2.8	-11.7	11.6	2.02	1.76	-15.38	
562.0	6.40	269.90	561.3	2.4	-20.4	20.3	2.06	1.98	6.15	
653.0	8.40	272.50	651.5	2.7	-32.1	32.0	2.23	2.20	2.86	
745.0	10.30	269.40	742.3	2.9	-47.1	46.9	2.14	2.07	-3.37	
837.0	12.30	267.90	832.5	2.5	-65.1	64.9	2.20	2.17	-1.63	
931.0	11.80	264.10	924.4	1.1	-84.6	84.5	1.00	-0.53	-4.04	
1,004.0	11.50	261.50	995.9	-0.7	-99.3	99.2	0.83	-0.41	-3.56	
1,091.0	11.00	261.40	1,081.3	-3.2	-116.1	116.1	0.58	-0.57	-0.11	

Company:	EnCana Oil & Gas Weld County CO	Local Co-ordinate Reference:	Well Slater 4-6-28
Project:	SEC.28-T3N-R68W	TVD Reference:	WELL @ 4975.0ft (Original Well Elev)
Site:	Slater 34-28 Pad Sec.28-T3N-R68W	MD Reference:	WELL @ 4975.0ft (Original Well Elev)
Well:	Slater 4-6-28	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Landmark

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
1,185.0	11.60	264.30	1,173.4	-5.5	-134.3	134.4	0.88	0.64	3.09	
1,278.0	12.80	273.50	1,264.3	-5.8	-153.9	154.0	2.45	1.29	9.89	
1,371.0	13.50	271.40	1,354.9	-4.9	-175.0	175.1	0.91	0.75	-2.26	
1,465.0	13.10	268.00	1,446.4	-5.0	-196.7	196.7	0.93	-0.43	-3.62	
1,558.0	13.20	269.20	1,536.9	-5.5	-217.8	217.9	0.31	0.11	1.29	
1,651.0	12.00	266.60	1,627.7	-6.3	-238.1	238.1	1.43	-1.29	-2.80	
1,745.0	11.30	263.40	1,719.8	-7.9	-257.0	257.1	1.01	-0.74	-3.40	
1,838.0	13.10	269.00	1,810.7	-9.1	-276.6	276.7	2.31	1.94	6.02	
1,931.0	12.10	269.10	1,901.4	-9.5	-296.9	297.0	1.08	-1.08	0.11	
2,024.0	11.70	266.30	1,992.4	-10.2	-316.0	316.2	0.76	-0.43	-3.01	
2,118.0	11.50	261.20	2,084.5	-12.3	-334.8	335.0	1.11	-0.21	-5.43	
2,211.0	10.90	257.20	2,175.7	-15.7	-352.5	352.9	1.06	-0.65	-4.30	
2,304.0	12.10	259.40	2,266.9	-19.4	-370.7	371.2	1.37	1.29	2.37	
2,398.0	12.40	256.90	2,358.7	-23.5	-390.2	390.8	0.65	0.32	-2.66	
2,491.0	12.40	263.40	2,449.6	-26.9	-409.8	410.6	1.50	0.00	6.99	
2,584.0	10.10	259.50	2,540.8	-29.5	-427.8	428.6	2.60	-2.47	-4.19	
2,678.0	11.70	258.10	2,633.1	-33.0	-445.2	446.2	1.73	1.70	-1.49	
2,771.0	11.90	265.00	2,724.1	-35.8	-464.0	465.1	1.53	0.22	7.42	
2,864.0	10.80	266.30	2,815.3	-37.2	-482.2	483.4	1.21	-1.18	1.40	
2,957.0	11.10	264.30	2,906.6	-38.6	-499.8	501.0	0.52	0.32	-2.15	
3,051.0	10.40	268.50	2,998.9	-39.8	-517.3	518.6	1.12	-0.74	4.47	
3,144.0	11.60	276.00	3,090.2	-39.0	-535.0	536.2	2.01	1.29	8.06	
3,237.0	12.30	270.20	3,181.2	-38.0	-554.2	555.3	1.49	0.75	-6.24	
3,331.0	11.10	267.60	3,273.3	-38.3	-573.3	574.4	1.39	-1.28	-2.77	
3,424.0	12.30	262.80	3,364.3	-39.9	-592.1	593.2	1.66	1.29	-5.16	
3,517.0	11.00	259.20	3,455.4	-42.9	-610.6	611.9	1.60	-1.40	-3.87	
3,610.0	12.20	258.30	3,546.5	-46.5	-628.9	630.3	1.30	1.29	-0.97	
3,704.0	12.40	264.50	3,638.4	-49.5	-648.7	650.2	1.42	0.21	6.60	
3,797.0	12.30	267.90	3,729.2	-50.8	-668.5	670.1	0.79	-0.11	3.66	
3,890.0	11.20	272.90	3,820.3	-50.7	-687.5	689.0	1.61	-1.18	5.38	
3,984.0	10.80	275.80	3,912.5	-49.4	-705.3	706.8	0.73	-0.43	3.09	
4,077.0	12.70	280.70	4,003.6	-46.6	-724.1	725.4	2.31	2.04	5.27	
4,157.0	12.40	285.20	4,081.7	-42.7	-741.0	742.1	1.28	-0.38	5.63	
4,250.0	13.00	282.90	4,172.4	-37.7	-760.8	761.7	0.84	0.65	-2.47	
4,343.0	12.20	284.70	4,263.2	-32.9	-780.5	781.2	0.96	-0.86	1.94	
4,436.0	12.00	285.90	4,354.1	-27.8	-799.3	799.8	0.35	-0.22	1.29	
4,529.0	11.60	282.30	4,445.1	-23.1	-817.8	818.0	0.90	-0.43	-3.87	
4,622.0	10.40	280.80	4,536.4	-19.6	-835.1	835.2	1.33	-1.29	-1.61	
4,715.0	7.90	279.70	4,628.2	-16.9	-849.7	849.6	2.69	-2.69	-1.18	
4,808.0	6.90	267.40	4,720.5	-16.1	-861.6	861.5	2.01	-1.08	-13.23	
4,901.0	4.50	251.40	4,813.0	-17.5	-870.6	870.6	3.07	-2.58	-17.20	
4,993.0	2.50	256.20	4,904.8	-19.1	-876.0	876.0	2.20	-2.17	5.22	
5,086.0	1.50	15.00	4,997.8	-18.5	-877.6	877.6	3.74	-1.08	127.74	
5,088.2	1.45	15.24	5,000.0	-18.4	-877.6	877.6	2.44	-2.43	11.09	
TARGET BHL 1350'FSL & 2550'FEL										
5,179.0	0.80	176.00	5,090.8	-17.9	-877.3	877.2	2.44	-0.71	177.01	
5,272.0	1.10	274.90	5,183.8	-18.5	-878.1	878.1	1.57	0.32	106.34	
5,365.0	1.60	273.90	5,276.8	-18.3	-880.3	880.3	0.54	0.54	-1.08	
5,458.0	1.80	269.80	5,369.7	-18.2	-883.1	883.0	0.25	0.22	-4.41	
5,551.0	1.50	259.10	5,462.7	-18.5	-885.7	885.7	0.46	-0.32	-11.51	
5,644.0	1.00	315.70	5,555.7	-18.1	-887.5	887.4	1.36	-0.54	60.86	
5,737.0	0.50	234.10	5,648.7	-17.8	-888.4	888.3	1.13	-0.54	-87.74	
5,830.0	0.90	253.20	5,741.6	-18.2	-889.4	889.4	0.49	0.43	20.54	
5,923.0	0.40	178.80	5,834.6	-18.8	-890.1	890.1	0.95	-0.54	-80.00	

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6,016.0	0.70	250.50	5,927.6	-19.3	-890.6	890.6	0.74	0.32	77.10	
6,109.0	0.80	359.00	6,020.6	-18.8	-891.2	891.2	1.31	0.11	116.67	
6,202.0	0.40	318.50	6,113.6	-17.9	-891.4	891.4	0.60	-0.43	-43.55	
6,295.0	0.70	269.10	6,206.6	-17.7	-892.2	892.1	0.57	0.32	-53.12	
6,388.0	0.70	255.90	6,299.6	-17.9	-893.3	893.3	0.17	0.00	-14.19	
6,480.0	0.60	266.40	6,391.6	-18.0	-894.3	894.3	0.17	-0.11	11.41	
6,573.0	1.00	304.70	6,484.6	-17.6	-895.5	895.4	0.70	0.43	41.18	
6,666.0	1.30	308.00	6,577.6	-16.5	-897.0	896.9	0.33	0.32	3.55	
6,759.0	1.30	281.00	6,670.6	-15.6	-898.8	898.7	0.65	0.00	-29.03	
6,852.0	2.20	315.00	6,763.5	-14.2	-901.1	900.9	1.44	0.97	36.56	
6,945.0	2.80	328.90	6,856.4	-11.0	-903.6	903.2	0.91	0.65	14.95	
7,038.0	2.60	344.90	6,949.3	-7.0	-905.3	904.8	0.84	-0.22	17.20	
7,131.0	1.80	340.00	7,042.3	-3.6	-906.4	905.7	0.88	-0.86	-5.27	
7,224.0	1.80	340.00	7,135.2	-0.8	-907.4	906.6	0.00	0.00	0.00	
7,317.0	1.60	311.00	7,228.2	1.4	-908.8	907.9	0.94	-0.22	-31.18	
7,410.0	1.40	273.90	7,321.1	2.3	-910.9	910.0	1.05	-0.22	-39.89	
7,503.0	1.50	258.30	7,414.1	2.2	-913.3	912.3	0.44	0.11	-16.77	
7,596.0	1.80	255.60	7,507.1	1.6	-915.9	915.0	0.33	0.32	-2.90	
7,689.0	1.70	251.00	7,600.0	0.7	-918.6	917.7	0.19	-0.11	-4.95	
7,782.0	1.80	252.40	7,693.0	-0.1	-921.3	920.5	0.12	0.11	1.51	
7,802.0	1.50	245.30	7,713.0	-0.4	-921.8	921.0	1.81	-1.50	-35.50	
HARDLINE 115'W OF BHL										

Checked By: _____	Approved By: _____	Date: _____
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