August 13, 2015



Significant Mid Volatile Coking Coal structure discovered at Altitude North Project near Grande Cache, west central Alberta, Canada

- Seven seams identified with estimated true thicknesses between .3 and 6 meters;
- Mid-Volatile Coking Coal Rank (Ro Max 1.18) from trench samples;
- Strike length of coal structure tracked for approximately 20 km.

CALGARY, ALBERTA: Altitude Resources Inc. (TSX-V: ALI) ("Altitude") is pleased to announce that it has discovered a multiple near surface mid volatile coking coal deposit at its Altitude North property located in west central Alberta near the town of Grande Cache. The Altitude North property has an area of 7,561 ha and stretches over a length of 23 km (north to south). Significant coal seam intersections were identified and traced south to north along the entire extent of the property. Coal outcrops were sampled and a total of 11 samples were sent for proximal and petrographic analysis. Initial historic Alberta government exploration reports showed some coal outcrops which were identified from field work in the 1960 – 1980s but there are no reports of advanced exploration or drilling being carried out on these properties.

LOCATION MAP



"This is one of the few areas remaining in Alberta which has never been properly explored for coal. Altitude North offers us an excellent opportunity to prove up a potentially significant mid volatile coking coal deposit close to rail and port," said Gene Wusaty, Altitude's CEO. "Additional adjacent coal leases are available and are being evaluated. We are now planning for a larger more comprehensive field program for later this year to further explore the property and determine potential drilling targets".

Grande Cache serves as the primary population center for the area. The community is accessible via Highways No. 16 and 40 North, as well as by air via the Grande Cache Municipal Airport (10km south). Basic amenities and infrastructure are provided within the community. The area is serviced by rail (Canadian National Railway & Alberta Resources Railway) and has the capacity to accommodate coal unit trains which provide access to either Vancouver or Prince Rupert coal ports. The Grande Cache mine property is located approximately 10km north of the community.

The area consists of mainly forested mountains, with many mountains reaching altitudes upwards of 1800m. Due to the high elevations many of the ridgelines and rocky peaks extend above the timberline and have little to no vegetation, exposing extensive continuous outcrops. These barren ridgelines also serve as ideal structural mapping and sampling locations which are easily and efficiently accessible by helicopter. Additional outcrops are found on exposed ridges along tributary streams of the Sheep River. Gravelled roads, ATV trails, seismic lines, and hiking trails provide limited access to the perimeter of the Property.



COAL OUTCROP LOCATION MAP



The Grande Cache Member of the Gates Formation is the primary coal-bearing unit present on the property. There are seven main coal seams identified in this Member, with two of these seams, No. 4 and No. 10, showing a continuous regional extent. There is significant property scale variability for these coal seams, requiring detailed local geological mapping to properly define.

Structural geology in the Foothills area of the Rocky Mountain Thrust Belt is characterized by west-dipping subparallel thrust faults of varying displacement, with generally northwest-southeast traces. These are accompanied by asymmetrical to overturned folds often with steep west to southwest-dipping axial planes which also trend northwest-southeast. Coal-bearing sediments of the Luscar Group are exposed in a northwest-trending belt bounded by over-thrust Paleozoic or Jurassic Fernie Group sediments to the southwest, and younger mid to upper Cretaceous marine sediments of the Shaftsbury, Dunvegan and Kaskapau Formations to the northeast.

Coal Seam	Easting	Northing	Elevation	Estimated True Thickness (m)	Comments	Sampled
AN15-001a	344820	5979630	1234	0.5	weathered; edges have brown coal	NO
AN15-001b	344820	5979630	1234	0.32	weathered; clean	
AN15-001c	344820	5979630	1234	1.05	weathered; brown coal	NO
AN15-002	344814	5979546	1239	0.6	weathered; clean	YES
AN15-003	344810	5979549	1263	1.8	weathered; clean	YES
AN15-004a	351736	5970054	1987	NA	weathered; clean	YES
AN15-004b	351708	5970029	1987	3.6	weathered; clean	YES
AN15-004c	351650	5969953	1976	4.2	weathered; pure black	YES
AN15-005	351794	5970196	1999	NA	folded seam AN15-004b	NO
AN15-006a	339932	5985374	1990	2.41	weathered; clean; no partings	YES
AN15-006b	339930	5985392	1994	1.08	weathered; clean; 15 cm of coaly-shale underneath (not sampled)	YES
AN15-006c	339944	5985398	1992	5.04	strongly weathered; silty and clean coal with parting (2.15 m coal-2.00 m shaley-coal parting; 1.00 m coal)	YES
AN15-006d	339960	5985408	1994	2.45	weathered; silty with shaley-coal interval at bottom (1m coal, 1.5 m shaley-coal); shaley-coal not sampled	YES
AN15-006e	339964	5985415	1994	1.8	weathered; clean; interbedded coaly-shale; parting of sandstone between 006d and 006e	YES
AN15-006f	340057	5985380	1987	1.95	weathered; silty and shaley	NO
AN15-006g	340093	5985370	1987	0.97	weathered shaley coal	NO
AN15-006h	340093	5985370	1987	1.46	weathered coaly shale	NO
AN15-006i	340158	5985450	1971	1.8	strongly weathered; silty coal	YES
AN15-006j	340174	5985473	1962	1.6	strongly weathered; clean and coaly-shale	YES
AN15-007a	346643	5975872	2068	1.85	weathered; relatively clean; chunky (up to 3 x 1 cm); some coaly-shale above	YES
AN15-007b	346655	5975899	2077	NA	weathered; clean and shaley	YES
AN15-007c	346770	5975877	2084	4.08	weathered; clean; chunky (up to 10 x 3 cm);	YES

Summary of Surface Exposed Coal Seam, Mapped 2015

Eleven individual coal outcrop channel samples were collected in the field for characterization studies. Trenches were dug by hand to expose coal intervals; this prevented the field team from reaching un-oxidised coal. Samples were collected as continuous chips across the exposed seam by the site geologist. Seams were sampled as one, or in some cases two samples were combined where thickness or lithologic variation was apparent. Samples were sealed and transported to the Birtley Coal and Mineral Testing Division of GWIL Industries Inc. in Calgary, AB. The samples were weighed, dried and crushed to minus 12.5 mm in preparation for analysis. The initial series of analysis were Proximate Analysis, Sulphur, FSI and Light Transmittance (LT). The LT test confirms the degree of oxidation the coal has undergone. Petrographic analysis was conducted on 11 samples to ascertain coal rank and composition. The samples were prepared and analyzed by David Pearson and Associates in Victoria, British Columbia.

Raw Coal Sample Analysis

SAMPLE ID	WET	DRY	12.5mm x 0	ADM%	MOIST%	ASH%	VOL%	F.C.%	S%	FSI	LT%	BASIS
	(g)	(g)	Retain									
	4334	4063	3021	6.25	1.36	27.23	20.78	50.63	0.45	1.5	31	adb
AN15-002-003					7.53	25.53	19.48	47.46	0.42			arb
						27.61	21.07	51.33	0.46			db
	2307	1921	945	16.73	8.68	22.43	24.52	44.37	0.49	0	0.8	adb
AN15-004a					23.96	18.68	20.42	36.95	0.41			arb
						24.56	26.85	48.59	0.54			db
	1975	1679	1229	14.99	6.47	27.07	23.05	43.41	0.35	0	0.7	adb
AN15-004b					20.49	23.01	19.6	36.9	0.3			arb
						28.94	24.64	46.41	0.37			db
	2418	2130	1579	11.91	6.55	36.23	20.21	37.01	0.44	0	0.3	adb
AN15-004c					17.68	31.91	17.8	32.6	0.39			arb
						38.77	21.63	39.6	0.47			db
	2207	1763	1309	20.12	12.46	23.84	22.24	41.46	0.22	0	0.7	adb
AN15-006a					30.07	19.04	17.77	33.12	0.18			arb
						27.23	25.41	47.36	0.25			db
	2591	2162	1606	16.56	14.6	23.29	21.92	40.19	0.41	0	0.6	adb
AN15-006bc					28.74	19.43	18.29	33.54	0.34			arb
						27.27	25.67	47.06	0.48			db
	3381	2806	2103	17.01	12.65	25.05	22.31	39.99	0.35	0	0.8	adb
AN15-006de					27.51	20.79	18.52	33.19	0.29			arb
						28.68	25.54	45.78	0.4			db
	1431	1120	623	21.73	12.9	25.67	22.68	38.75	0.37	0	0.5	adb
AN15-006i					31.83	20.09	17.75	30.33	0.29			arb
						29.47	26.04	44.49	0.42			db
	1307	993	487	24.02	12.87	14.45	24.87	47.81	0.41	0	0.2	adb
AN15-006j					33.8	10.98	18.9	36.32	0.31			arb
						16.58	28.54	54.87	0.47			db
	3411	2897	2224	15.07	6.56	20.93	20.92	51.59	0.4	0	11.7	adb
AN15-007a					20.64	17.78	17.77	43.82	0.34			arb
						22.4	22.39	55.21	0.43			db
	3042	2553	1921	16.07	4.64	5.58	25.15	64.63	0.34	0	1.7	adb
AN15-007c					19.97	4.68	21.11	54.24	0.29			arb
						5.85	26.37	67.77	0.36			db

Raw Coal Results summary:

- The raw coal samples range in ash content from 5.85% to 38.77%, averaging 25.21%.
- The Volatile Matter ranges from 21.07% to 26.37% confirming this is a Mid Volatile Bituminous coal type.
- The Sulphur values are low ranging from 0.25% to 0.47%.
- The very low LT values confirm that this coal is highly oxidized and there for has lost all of its plastic properties.
- The least oxidized sample (AN15-002-003) still had some residual swelling as demonstrated by the 1.5 FSI result.
- The ten higher ash samples were washed at 1.60 sg to obtain clean samples for petrographic analysis.

Clean Coal Sample Analysis

SAMPLE ID	Float (g)	Sink (g)	Float wt% @1.60 SG	MOIST%	ASH%	VOL%	F.C.%	S %	FSI	BASIS
	2008	1000	66.76	1.31	8.23	24.81	65.65	0.53	2.0	adb
AN15-002-003					8.34	25.14	66.52	0.54		db
	1897	824	69.72	5.18	14.26	26.62	53.94	0.56	0.0	adb
AN15-004a					15.04	28.07	56.89	0.59		db
AN15 004b	744	461	61.74	5.61	10.65	27.49	56.25	0.42	0.0	adb
AN15-004D					11.28	29.12	59.59	0.44		db
AN15-004c	662	868	43.27	4.71	10.78	27.01	57.5	0.65	0.0	adb
AN15-004C					11.31	28.35	60.34	0.68		db
AN15-0062	684	566	54.72	7.93	15.38	26.21	50.48	0.25	0.0	adb
AN15-000a					16.7	28.47	54.83	0.27		db
ANIE OOGha	1083	422	71.96	8.74	10.92	27.9	52.44	0.5	0.0	adb
ANTS-006DC					11.97	30.57	57.46	0.55		db
AN1E 006da	1372	634	68.39	9.31	11.93	27.79	50.97	0.42	0.0	adb
ANTS-0000e					13.15	30.64	56.2	0.46		db
AN45 000	396	190	67.58	7.63	12.92	27.31	52.14	0.47	0.0	adb
AN 15-0001					13.99	29.57	56.45	0.51		db
AN45 000:	374	83	81.84	8.18	11.55	27.82	52.45	0.44	0.0	adb
AN 15-006J					12.58	30.3	57.12	0.48		db
AN15-007a	1634	515	76.04	4.3	13.07	23.46	59.17	0.47	0.0	adb
ANTO-0078					13.66	24.51	61.83	0.49		db

Washing did not improve the FSI results confirming the oxidized nature of the samples. The intent was to produce a low ash sample similar to a clean coal product. These clean samples along with AN15-007c (5.85% ash db) were sent to Pearson Petrography for analysis. The objective was to confirm coal rank through reflectance (Ro Max) measurements. It should be noted that the oxidized nature of these samples makes it difficult to measure reflectance from unaltered Vitrinite grains. The altered nature of these samples required petrographic analysis to be completed using manual observations to minimize altered grain observations.

SAMPLE ID	Ro Max	Ash %	Vitrinite %	Semi Fusinite %	Total Reactives %	Total Inerts %	comment
AN15-002-003	1.2	8.34	68.1	19.4	78.6	21.4	
AN15-004a	1.15	15.04	82.9	3	86.1	13.9	
AN15-004b	1.14	11.28	62.1	18.8	71.7	28.3	
AN15-004c	1.04	11.31	78	8.2	84	16	Low Ro value
AN15-006a	1.19	16.7	35.1	43.2	56.7	43.3	
AN15-006bc	1.31	11.97	79.6	6.4	82.8	17.2	High Ro value
AN15-006de	1.19	13.15	73.5	11.8	79.4	20.6	
AN15-006i	1.21	13.99	75.5	9.6	80.3	19.7	
AN15-006j	1.16	12.58	67.9	13.8	74.8	25.2	
AN15-007a	1.2	13.66	47.7	33	64.4	35.6	
AN15-007c	1.16	5.85	61.2	20.8	72.3	27.7	
Average	1.18	12.2	66.51	17.09	75.55	24.44	

The results are encouraging as they show a good mid-volatile coal rank of Ro 1.14 to 1.20 which is optimum for coking coals. There are two anomalous results at Ro 1.04 and Ro 1.31 which are outside the range. The Ro. 1.04 sample is from the uppermost seam in the stratigraphic sequence on the south property and this may be a real result. The Ro. 1.31 sample appears anomalous as the adjacent seams are Ro.1.19. More work needs to be done to determine if there is a structural element here that causes the rank juxtaposition.

Overall, the average Ro is 1.18, the Vitrinite content is 66.51% and the reactive/inert ratio is 3.09/1. This suggests the unoxidized coal should have excellent coking properties and produce a high Stability coke after carbonization.

Gene Wusaty, Altitude's Chairman, a qualified person as defined by NI 43-101, supervised the preparation of the technical information in this release.

ABOUT ALTITUDE

Altitude Resources Inc. is a Canadian coking coal company focused on developing its Palisades Coal Project located northwest of Hinton, Alberta, Canada as well as its interest in the Elan project in southwestern Alberta. The Elan and Palisades Coal Projects are located in close proximity to CP and CN Rail respectively which have capacity to provide transport of coal to deep-water ports on the west coast of Canada to service the growing demand from world markets.

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