

## PROJECT

**PROPERTY:**

Easting	Northing	Elev.	Depth (m)
0651256	6710885	1113	191.11

**HOLE: BR-07-02**

Contractor: TOP RANK DIAMOND DRILLING LTD.  
Drill: JKS-300

Core size: BTW  
Casing depth: 9.14 (m) out

Drilling dates: June 16 - June 19, 2007

Logged by: Ryan Preston, Martin Nunez

[illegible]

Target: To test Barite Exhalative horizon up section from Comincos BR97-02 in which they reportedly intersected 5m of Barite and Massive Sx

[illegible]

## SAMPLES

Numbers: C386320-C386345

Total: 26  
Date sent:

## COMMENTS

B97-02 azimuth 065, BR-07-02 Azimuth 035 same as BR-07-01. Drill moved to test section of B97-02. Relog of 97-02 core found from 142-187 PY-SIL rich semi ma fg congl - no barite horizon.
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PROPERTY: Bar

HOLE: BR-07-02

Struct.	LITHOLOGY							ALT.			MINERALS			SAMPLES					Blocks			GEOTECHNICAL				JOINTS									
	Type	Attitude	From (m)	To (m)	Interval (m)	Type	Unit	Texture	Modifier	Notes:				From (m)	To (m)	Interval (m)	Sample				From (m)	To (m)	Intvl. (m)	REC		ROD		Weathering	Hardness	Frequency	Attitude	Shape	Roughness	Infilling	
																								(m)	Percent	(m)	Percent								
			0	5.18	5.18	OVb				Rubble											0	2.13	2.13	0.06	3	0	0	SW	MS					BK	
			5.18	8.23		SLT	SED	BX		MD-GY silicified SLT w. 55cm of GO w. Gr partings.	car										2.13	5.18	3.05	0.08	3	0	0	SW	MS					BK	
			8.23	8.55		LST	SED			LT-GY LST w. Qz vienlets.	car										5.18	8.23	3.05	0.25	8	0	0	FR	W					BK, CY	
Fx	59		8.55	11.3		AND	VOL	AN		LT-GN AND w. Qz vienlets	chl										8.23	11.28	3.05	0.72	24	0.18	6	SW	W	5	52	1	2	CY	
			11.3	14.3		GO				Rubble w. clay											11.28	14.33	3.05	0	0	0							BK, CY		
			14.3	17.4		SLT	SED			Sand and Rubble w. 15cm DK-GY SLT											14.33	17.37	3.04	0.15	5	0.11	4	FR	MS					BK, CY, Sand	
			17.4	17.6		SLT	SED			Iron stained Dk-GY SLT w. 10cm GO		oxi									17.37	18.69	2.32	1.26	54	0.23	10	SW	MS	3	52	1	3	CY	
										25% Kf, 35% Pl, 30%Qz, 10% Bi.																									
			17.6	17.7		GRN	VOL	XL		LT-PK											19.69	20.42	0.73	0.4	55	0	0	FR	W	7	50	1	3	CY	
Fx	50									DK-GN BAS w. Ca and Hb porphyry; iron stained fractures; heavily factured; 10cm of GO towards lower contact																									
C	20		17.7	20.3		BAS	VOL	PO-AN			oxi			Ca	Hb						20.42	23.47	3.05	1.1	36			FR	W	3	60	1	3	CY	
																					23.47	26.23	2.76	2.56	93	2.24	81	FR	MS	3	33	1	3	CY	
Fx	60		20.3	23.7		SLT	SED	BN		DK-GY SLT w. minor Py specks for 4cm near upper contact, bands of BK w. blebs of altered BG mineral. Heavily fractured, 37cm of GO at lower contact.				Py							26.23	26.52	0.29	0.27	93	0.27	93	FR	MS						
Fx	43		23.7	28		SLT	SED	BX		MD-GY sil SLT w. specks of Py visible at fractures, Gr partings, occ. Qz VT, becoming less sil rich downsection.	sil			Py							26.52	29.57	3.05	3	98	2.74	89	FR	MS	2	40	1	2		
BD	70									MD-GY SLT w. Qz VT and blebs. Trending to less sil rich downsection BK stringers, Gr partings, specks of Py along fractures.	sil			Py							29.57	31.11	1.54	1.07	69	0.35	23	FR	MS	8	65	1	2		
LA	70		28	35.5		SLT					sil										31.11	32.61	1.5	1.04	69	0	0	FR	W	7	60	1	2		
C	30									MD-GN AND, two 38cm Qz floods with Ca stringers at contact. Minor FLT offset in Qz floods Ca porphyry in AND as well as Hb. Blebs of Qz approximately 3mm. Qz floods @ 40 degrees	chl																								
FL	54		35.5	41.8		AND	VOL	PO			chl										32.61	35.66	3.05	2.8	92	1.13	37	FR	MS	5	40	1	2	CY	
LA	60																				35.66	37.19	1.55	1.5	98	1.4	92	FR	MS	2	55	1	2		
																					37.19	38.71	1.52	1.46	96	1.19	76	FR	W	3	50	1	2		
			41.8	47.2		AND	VOL			Same AND with increasing mixing at BK MST @ 70 degrees. Blebs of PY associated at MST	chl			Py							38.71	41.76	3.05	3.03	99	2.32	76	FR	W	4	30	1	3		
C	55		47.2																		41.76	43.11	1.35	1.33	98	1.27	94	FR	W	4	50	1	3		
VT	60		47.2	48.6		MST	SED		BK	BK MST with Qz veins approximately 7mm - 0.25m Gr partings. Minormoffsets visible in Qz veins @ 80 degrees. Minor iron oxidation visible on Qz veins.	oxi										43.11	44.81	1.7	1.67	98	1.52	89	FR	W	5	50	1	3		
										MD-GN AND with wavy intermixing of BK MST Qz veins, Ca blebs, and Hb phenurysts 24 cm section of largely QWz @ 51.85m followed by 19cm section of tuffaceous texture. 90 cm section with oolitic texture starting at 53.15m. Minor blebs at Py associated with MST. 54.62-55.16m: Very wavy section with oolitic + calcite veins + Hb. 56.15-56.28m: BKMST section contact is sharp bu irregular. 57.27-57.45m BK MST. 57.45m- Texture becomes tuffaceous and convoluted. 58.90-59.44 Qz flood.	chl			Py																					
C	60		48.6	59.6		AND	VOL				chl			Py							44.81	47.85	3.04	3.04	100	2.08	68	FR	W	5	56	1	2		
LA	60																				47.85	48.51	0.66	0.66	100	0.51	77	FR	MS	5	55	1	3		
C	69		59.6	66.6		SLT	SED			DK-MDGY SLT with intermixed BK MST at upper contact. Minor Qz veinlets + blebs. Veinlets of BG minerals.											48.51	50.9	2.39	2.39	100	2.14	90	FR	W	6	65	1	2		
LA	60																				50.9	53.95	3.05	2.94	96	2.69	88	FR	W	4	38	1	2		
Fx	43									Gr parting. 61.05-61.19 GO, 65.0-65.85 GO with brecciated rock											53.95	54.39	0.44	0.43	98	0.4	91	FR	W	2	55	1	2		
LA	50		66.6	67.9		CST	SED			BG CST with LA Gr + Qz											54.39	57	2.61	2.57	98	2.1	80	FR	W	5	40	1	2		
			67.9	68.8		SLT	SED			MD-Gy SLT with Qz veinlets + Gr veinlets.											57	60.05	3.05	2.92	96	1.29	42	FR	W	7	30	1	2		
			68.8	68.9		MST				BK MST, graphite with Qz veinlets											60.05	63.09	3.04	2.95	97	1.17	38	FR	MS	3	50	1	2		
LA	80		68.9	69.5						MD-Gy SLT with Qz veinlets + Gr veinlets.											63.09	65.85	2.76	2.54	92	0.85	31	FR	MS	7	53	1	2		
C	80		69.5	71.6		AND	VOL			GN AND mixed with BK MST for 1.0 m. Qz veinlets + blebs; MST is graphite	chl			Hb							65.85	66.14	0.29	0.27	93	0.2	67	FR	W	7	45	5	4		
C	35		71.6	72.4		CST	SED			BG CST with blebs of Py and Qz VT, LA BK MIN, Hb?				Py							66.14	69.19	3.05	2.81	92	0.12	4	FR	W	7	40	1	3		

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	Type	Attitude	From (m)	To (m)	Interval (m)	Type	Unit	Texture	Modifier	Notes:				From (m)	To (m)	Interval (m)	Sample				From (m)	To (m)	Intvl. (m)	REC	ROD	Weathering	Hardness	Frequency	Attitude	Shape	Roughness	Infilling	
			72.4	75.4		CST-M	SED			BG CST with Qz VT mixing and interbedding with BK MST. VT of BG MIN. BK MST is majority for 70 cm in middle.										69.19	71.1	1.91	1.75	92	0.27	14	FR	W	7	52	1	2	
LA	60		75.4	78		CST	SED			MD-BG CST with Hb VT and fractures. Minor Qz VT.										71.1	72.24	1.14	1.12	98	0.71	62	FR	W	5	31	1	2	
C	60		78	78.1		AND	VOL			GN tuffaceous AND with Qz blebs and Bk VT, most likely intermixed Bk MST										72.24	75.29	3.05	2.98	98	2.32	76	FR	W	3	40	1	2	
			78.1	80.1		MST-A	SED			Bk MST with wavy mixing of AND. Qz VT Sections of AND intermittent. 79.09-79.19- specks of Py							Py			75.29	76.89	1.6	1.59	99	1.12	70	FR	W	5	45	1	1	
			80.1	84.1		SLT	SED			MD-GY sil SLT with Qz VT and Ca VT minor Py VT towards lower contact	sil						Py			76.89	78.33	1.44	1.43	99	0.94	65	FR	W	1	45	1	2	
			84.1	89.2		SLT	SED			MD-GY sil SLT with BG-PK Min VT Py blebs + VT. Sections of very convoluted bedding. Trending to PK in colour with increasing sil levels. 88.31-88.19 Qz floods.	sil									78.33	81.38	3.05	3	98	1.48	48	FR	MS	6	50	1	2	
																				81.38	82.52	1.14	1.12	98	1.12	98	FR	MS	1	30	3	2	
																				82.52	84.43	1.91	1.88	98	1.57	82	FR	MS	3	55	2	3	
																				84.43	87.48	3.05	3.05	100	2.94	96	FR	MS	3	40	5	3	
																				87.48	88.01	0.53	0.53	100	0.53	60	FR	MS	2	28	1	3	
																				88.01	90.53	2.52	2.42	96	1.58	63	FR	MS	4	66	1	2	
																				90.53	93.57	3.04	3.03	100	2.53	83	FR	MS	4	44	1	2	
																				93.57	96.62	3.05	3.02	99	2.92	96	FR	MS	3	37	1	2	
																				96.62	99.42	2.8	2.8	100	2.54	91	FR	MS	4	39	1	3	
																				99.42	99.67	0.25	0.25	100	0.15	60	FR	MS	4	63	1	2	
																				99.67	102.72	3.05	3.05	100	2.74	90	FR	MS	2	44	1	2	
																				102.72	104.96	2.24	2.06	92	1.87	83	FR	MS	3	62	1	2	
																				104.96	105.77	0.8	0.75	93	0.75	93	FR	MS	4	62	1	2	
																				105.77	108.81	3.04	3.04	100	3.04	100	FR	MS	2	54	1	2	
																				108.81	110.49	1.68	1.68	100	1.45	86	FR	MS	5	47	1	2	
																				110.49	111.86	1.37	1.37	100	1.37	100	FR	MS	4	50	5	2	
																				111.86	114.9	3.05	3.05	100	2.87	94	FR	MS	3	42	2	1	
																				114.91	116.15	1.28	1.28	100	1.28	100	FR	MS	2	55	1	3	
																				116.19	117.96	1.77	1.77	100	1.52	86	FR	MS	3	45	1	2	
																				117.96	121.01	3.05	2.93	96	2.66	87	FR	MS	4	50	1	2	
																				121.01	121.77	0.76	0.75	99	0.69	91	FR	MS	3	53	1	2	
																				121.77	124.05	2.28	2.26	99	1.85	83	FR	MS	3	53	1	2	
																				124.05	127.1	3.05	3	98	3	98	FR	MS	1	45	1	3	
																				127.1	127.71	0.61	0.61	100	0.61	100	FR	MS	0				
																				127.71	130.15	2.44	2.44	100	2.22	91	FR	MS	2	53	2	3	
																				130.15	133.2	3.05	2.99	98	2.7	88	FR	MS	2	45	1	2	
																				133.2	133.52	0.32	0.32	100	0.32	100	FR	MS	3	22	1	2	
																				133.52	136.25	2.73	2.68	98	2.16	79	FR	W	3	40	1	3	
																				136.25	139	2.75	2.47	89	1.11	40	FR	MS	4	23	3	3	
																				139	139.29	0.29	0.26	89	0.2	67	FR	MS	3	38	1	3	
																				139.29	142.34	3.05	2.97	97	2.06	68	FR	MS	3	45	5	2	
																				142.34	144.63	2.29	2.29	100	1.17	48	FR	MS	4	35	1	2	
																				144.63	145.39	0.76	0.76	100	0.51	67	FR	MS	5	58	2	2	
																				145.39	148.44	3.05	3	98	2.02	66	FR	MS	3	47	1	3	
																				148.44	190.24	1.8	1.78	99	1.55	86	FR	MS	3	40	1	2	
																				150.24	151.49	1.25	1.23	98	1.23	98	FR	MS	1	52	3	2	
																				151.49	154.53	3.04	3.04	100	2.29	75	FR	MS	3	42	1	2	
																				154.53	155.84	1.31	1.29	98	0.96	73	FR	MS	4	50	2	3	
																				155.84	157.58	1.74	1.7	98	0.89	51	FR	MS	5	40	1	3	
																				157.58	160.63	3.05	3.05	100	2.35	77	FR	MS	2	42	1	2	
																				160.63	161.23	0.6	0.59	98	0.16	27	FR	MS	7	40	1	3	
																				161.23	163.68	2.45	2.43	95	1.55	63	FR	MS	5	45	1	2	
																				163.68	166.73	3.05	2.99	98	2.22	73	FR	MS	2	45	1	2	
																				166.73	166.99	0.26	0.26	100	0.26	100	FR	MS					
																				166.99	169.77	2.78	2.78	100	2.27	82	FR	MS	3	40	1	2	
																				169.77	172.82	3.05	2.99	98	2.02	66	FR	MS	10	40	1	2	
																				172.82	175.87	3.05	3.05	100	2.65	87	FR	MS	4	40	3	2	
																				175.87	178.49	2.62	2.15	82	0.16	6	FR	MS	5	45	2	2	
																				178.49	178.92	0.43	0.35	81	0	0	FR	MS	5	25	4	2	
																				178.92	181.57	3.05	2.25	74	0.1	3	FR	MS	3	32	1	2	
																				181.57	183.13	1.16	1.03	89	0	0	FR	MS	8	47	5	3	
																				183.13	185.01	1.88	1.66	88	0.1	5	FR	MS	6	56	1	2	
																				185.01	186.79	1.78	1.61	90	0.12	7	FR	W	8</				

