

ZELOS RESOURCES  
DRILLING LOG  
TITLE PAGE

PROJECT: SULPHIDE CREEK - DAVIE

EXPLORATION LICENSE: 43/2004

HOLE No: SC DDH 1

CO-ORDINATES

LOCAL GRID: ≈ 10N / 430E  
AZIMUTH: 048° Grid  
INCLINATION: 50°  
DEPTH: 135.9m.

HOLE SIZE

TO (m): 0 135.9  
Size: NTW (Smaller than HQ)

Commenced: 8th December 2005  
Completed: 16th December 2005  
Logged: HuKe Vanzino  
Drillers: Lance Stebbings / Mostyn Young - L.I.D.D.S.  
Drill Type: Hydro core 28

AMG: 03 75 756 / 53 36 293

RL COLLAR: ≈ 320m

SUMMARY: Semi pervasive silicification of weak intensity accompanies a stockwork vein event that exists over the entire cored interval. The veining is polyphase and stockwork in nature and characterised by a high degree of internal complexity. The veinlets are 2-5mm in width, of variable density and comprised primarily of quartz - limonite (after pyrite) ± ferroan calcite (ankerite?). There is a large volume of frothy, limonite filled voidspace within the veinlets as a result of pyrite leaching and/or weathering of ferroan carbonate (?). No sulphide is visible that mesh/boxwork textures are noted. Virtually the entire hole was cored within the zone of oxidation.

Core Orientations: 46m - 041° Az / 42° Dip  
137m - 041° Az / 42° Dip.

Drill Summary: Hole was stopped short (T.D. 150m) due to tightening of rods. This rig was underpowered for the job.

# ZELOS RESOURCES

## DRILL CORE LOG A

DEPTH (m)	Core Recovery			GRAPHIC LOG	CORE DESCRIPTION	C.B/CV.A C.V.A	ALTERATION					SAMPLE ASSAY DATA													
	From	To	%				Silicic	Phyllic	Prop.	Argillic	Sulphide	Sample	From	To	Au	Cu	Pb	Zn	Ag	As					
0-20	0	1.7	30		SANDSTONE - Laminated Facies: Metasediment, pale greenish gray in colour with finely laminated, irregular stratification Sand grains are fine to medium in size and moderately to well sorted. Partially metamorphosed to quartzite with individual remnant quartz grains	CBA 11m/20°							40001	0	1.7										
	1.7	3.2	45											40002	1.7	3									
	3.2	4.1	100											40003	3	4									
	4.1	5.4	75											40004	4	5									
	5.4	7.1	85											40005	5	6									
	7.1	7.7	90											40006	6	7									
	7.7	9.3	95											40007	7	8									
	9.3	10.7	65											40008	8	9									
	10.7	12.5	90											40009	9	10									
	12.5	14.7	85											40010	10	11									
	14.7	16.7	75											40011	11	12									
	16.7	19.2	100											40012	12	13									
	19.2	21.2	100											40013	13	14									
	21.2	23.0	40											40014	14	15									
	23.0	25.4	85											40015	15	16									
	25.4	26.5	55											40016	16	17									
	26.5	27.9	100											40017	17	18									
	27.9	28.7	85											40018	18	19									
	28.7	31.7	75											40019	19	20									
	31.7	32.4	50											40020	20	21									
	32.4	34.6	75											40021	21	23									
	34.6	35.0	80											40022	23	24									
	35.0	37.4	85											40023	24	25									
20-44	37.4	40.4	100		SANDSTONE - Massive Facies: Metasediment, pale greenish gray in colour, thick to massively bedded, diffuse stratification verging on quartzitic.	CBA 45m/20°								40024	25	26									
	40.4	42.2	100											40025	26	27									
	42.2	45.2	95											40026	27	28									
	45.2	48.2	95											40027	28	29									
	48.2	50.3	90											40028	29	30									
	50.3	52.7	90											40029	30	31									
	52.7	53.7	90											40030	31	32									
	53.7	55.4	95											40031	32	33									
	55.4	57.2	95											40032	33	34									
	57.2	60.2	90											40033	34	35									
	60.2	60.9	100											40034	35	36									
	60.9	63.2	100											40035	36	37									
	63.2	67.7	80											40036	37	38									
	67.7	70.7	90											40037	38	39									
	70.7	73.2	85											40038	39	40									
	73.2	74.4	70											40039	40	41									
	74.4	75.9	85											40040	41	42									
44-50.3	75.9	77.1	90		SANDSTONE - Laminated Facies: cf. 0 - 20m									40041	42	43									
	77.1	79.4	100											40042	43	44									
	79.4	82.2	90											40043	44	45									
	82.2	83.7	60											40044	45	46									
	83.7	84.8	100											40045	46	47									
	84.8	87.2	80											40046	47	48									
	87.2	88.4	75											40047	48	49									
							W	m	s	W	m	s	W	m	s	W	m	s	W	m	s	W	m	s	

# ZELOS RESOURCES

## DRILL CORE LOG A

DEPTH (m)	Core Recovery			GRAPHIC LOG	CORE DESCRIPTION	C.B/CV.A C.V.A	ALTERATION					SAMPLE ASSAY DATA													
	From	To	%				Silicic	Phyllic	Prop.	Argillic	Sulphide	Sample	From	To	Au	Cu	Pb	Zn	Ag	As					
50.3-50.6	88.4	90.2	95		QUARTZ VEIN.									40048	49	50.3									
	90.2	93.2	95		Quartz vein with irregular vein/									40049	50.3	50.6									
	93.2	94.7	60		wall rock morphology. Exhibits									40050	50.6	52									
	94.7	95.6	35		intensive limonitic boxwork									40051	52	53									
	95.6	96.4	35		mesh texture.									40052	53	54									
	96.4	97.3	60											40053	54	55									
50.6-96.8	97.3	97.9	15		SANDSTONE - Massive Facies:									40054	55	56									
	97.9	98.8	25		c.f. 20-44m.									40055	56	57									
	98.8	100.2	50		Exhibits variable qtz - limonite									40056	57	58									
	100.2	101.9	70		veinlet density. Some qtz									40057	58	59									
	101.9	103.7	95		veinlets are milky white and									40058	59	60									
	103.7	105.7	85		without limonite perhaps									40059	60	61									
	105.7	107.9	85		indicative of metamorphic									40060	61	62									
	107.9	111.0	100		"Sweats"									40061	62	63									
	111.0	114.1	90		• 85.4 - 85.7 minor mudstone clasts	CBA 112m/100								40062	63	64									
	114.1	115.6	55											40063	64	65									
96.8-98.8	115.6	117.2	75		GRITSTONE:									40064	65	66									
	117.2	118.3	85		Coarsely stratified, poorly									40065	66	67									
	118.3	120.2	95		sorted, 2-5mm subrounded to									40066	67	68									
	120.2	122.0	70		angular, primarily quartzose									40067	68	69									
	122.0	122.5	60		with subordinate lithic									40068	69	70									
	122.5	124.2	85		component. Rare clasts $\leq 20$ mm.									40069	70	71									
	124.2	125.7	30		Poorly consolidated.									40070	71	72									
	125.7	127.1	70											40071	72	73									
98.8-127.1	127.1	127.3	25		SANDSTONE - laminated Facies:									40072	73	74									
	127.3	127.7	25		c.f. 0 - 20m.									40073	74	75									
	127.7	128.5	50		Veinlet density decreasing									40074	75	76									
	128.5	130.7	50		with depth. Base of Oxidation									40075	76	77									
	130.7	131.5	90		127.1m.									40076	77	78									
	131.5	132.9	90											40077	78	79									
127.1-135.9	132.9	135.1	60		BRECCIA - Fault related.									40078	79	80									
	135.1	135.9	25		Fresh Rock, pale to mid blue in									40079	80	81									
					colour, comprised of mononitic									40080	81	82									
					fault breccia. Poorly sorted,									40081	82	83									
					subrounded to angular, poorly									40082	83	84									
					consolidated with localised									40083	84	85									
					soft mud intervals. Clasts									40084	85	86									
					have very thin milky white									40085	86	87									
					quartz veinlets that predate									40086	87	88									
					brecciation. This zone corres-									40087	88	89									
					ponds to the proposed intercept									40088	89	90									
					with the Harris Fault.									40089	90	91									
					Difficult drilling conditions with									40090	91	92									
					the rods jammed on two occasions.									40091	92	93									
														40092	93	94									
					E.O.H. 135.9m.									40093	94	95									
														40094	95	96									



# ZELOS RESOURCES

## DRILL CORE LOG A

[illegible]



# DRILL CORE LOG B

DEPTH (m)	SAMPLE ASSAY DATA						Magnetic Susceptibility	$\times 10^{-3}$ SI UNITS	COMMENTS
1							N.A.	Rubble	
2							N.A.	Rubble	
3							N.A.		
4							-0.01		
5							-0.03		
6							0.03		
7							-0.01		
8							0.01		
9							0.03		
10							-0.03		
11							-0.01		
12							0.00		
13							0.01		
14							0.05	1 metre core loss.	
15							0.08		
16							-0.01		
17							0.00		
18							0.01		
19							0.00		
20							0.23		
21							0.05		
22							0.00		
23							N.A.	Rubble	
24							-0.08		
25							-0.03		
26							0.01		
27							0.00		
28							0.01		
29							0.05		
30							0.03		
31							0.00		
32							N.A.	Rubble	
33							-0.01		
34							0.03		
35							-0.01		
36							-0.01		
37							0.00		
38							0.00		
39							-0.03		
40							0.00		
41							-0.01		
42							-0.03		
43							0.00		
44							-0.01		
45							0.00		
46							0.03		
47							0.00		
48							-0.01		

## ZELOS RESOURCES

Sheet No:5/6

## DRILL CORE LOG B

DEPTH (m)	SAMPLE ASSAY DATA						Magnetic Susceptibility $\times 10^3$ SI units	COMMENTS
49							-0.01	
50							0.47	
51							0.21	
52							0.06	
53							0.06	
54							0.06	
55							0.01	
56							0.00	
57							-0.03	
58							0.00	
59							0.00	
60							-0.01	
61							0.00	
62							0.08	
63							0.00	
64							0.03	
65							0.00	
66							0.00	
67							0.00	
68							0.10	
69							0.00	
70							0.20	
71							0.00	
72							0.00	
73							-0.01	
74							0.00	
75							0.00	
76							0.03	
77							-0.01	
78							0.00	
79							0.00	
80							0.01	
81							-0.45	
82							0.00	
83							0.00	
84							0.00	
85							-0.03	
86							0.00	
87							0.00	
88							0.00	
89							0.00	
90							0.00	
91							0.03	
92							0.03	
93							0.00	
94							-0.10	
95							NA	Rubby
96							-0.01	

# DRILL CORE LOG B

[illegible]



ZELOS RESOURCES  
DRILLING LOG  
TITLE PAGE

PROJECT: SULPHIDE CREEK - DAVIE

EXPLORATION LICENSE: 43/2004

HOLE No: SC DDH 2.

CO-ORDINATES

LOCAL GRID: ≈ 10 N / 525 E  
AZIMUTH: 228° Grid  
INCLINATION: 45°  
DEPTH: 145.5

AMG: <sup>03</sup> 75 834 / <sup>53</sup> 36 336

RL COLLAR: ≈ 275m

HOLE SIZE

TO (m): 0 145.5  
Size: NTW (Smaller than HQ)

Commenced: 23<sup>rd</sup> JANUARY 2006  
Completed: 2<sup>nd</sup> FEBRUARY 2006  
Logged: Luke Vanzino  
Drillers: Lance Stebbings / Mstyn Young - L.I.D.O.S.  
Drill Type: Hydrocore 28

Core Orientation: 50m - 21° Az / 40° Dip  
\* Drillers forget to take measurements  
on the way out.

Drill Summary: Rods bogged due to caving across fault zone.

# ZELOS RESOURCES

## DRILL CORE LOG A

DEPTH (m)	Core Recovery			GRAPHIC LOG	CORE DESCRIPTION	C.B/CV.A C.V.A	ALTERATION					SAMPLE ASSAY DATA								
	From	To	%				Silicic	Phyllic	Prop.	Argillic	Sulphide	Sample	From	To	Au	Cu	Pb	Zn	Ag	As
0-145 <sup>5</sup>	0	4.5	20		SANDSTONE							40125	0	6						
	4.5	6.0	0									40126	6	7						
	6	7	70		Pale to mid grey in color,							40127	7	8						
	7	7.8	96		generally massive in form.							40128	8	9						
	7.8	8.5	60		Quartzitic. Petrograph of fine							40129	9	10						
	8.5	9	30		well sorted quartz sand with							40130	10	11						
	9	9.9	50		a well developed granoblastic							40131	11	12						
	9.9	10.9	90		texture.							40132	12	13						
	10.9	13.5	100		Interval exhibits qtz stockwork							40133	13	14						
	13.5	15.0	100		veining plus monomictic breccia							40134	14	15						
	15	17.1	90		veins. Matrix of breccia veins							40135	15	16						
	17.1	18.7	60		are ferroan calcite (?) + qtz							40136	16	17						
	18.7	19.5	80		which has been leached out							40137	17	18						
	19.5	21	100		to limonite mesh textures.							40138	18	19						
	21	24	95		Base of oxidation @ 25m.							40139	19	20						
	24	26	80		Qtz stockwork is highly variable							40140	20	21						
	26	28.5	100		-from colorless to milky white							40141	21	22						
	28.5	30.6	90		and translucent to transparent.							40142	22	23						
	30.6	32.7	90		Polyphase veining.							40143	23	24						
	32.7	35.9	100									40144	24	25						
	35.9	38.5	95		• Brecciation bands evident							40145	25	26						
	38.5	40.5	80		@ 15-17, 25-27.5 and at 29m.							40146	26	27						
	40.5	42.0	95									40147	27	28						
	42.0	45	95		• Interval of 6mm wide qtz							40148	28	29						
	45	46.5	70		veining @ 88-90m.							40149	29	30						
	46.5	48	20									40150	30	31						
	48	49.5	30		• Minor laminated intervals							40151	31	32						
	49.5	51	25		@ 99-108m and 130-133m.							40152	32	33						
	51	54	55									40153	33	34						
	54	56.2	60		• Very finely crystalline,							40154	34	35						
	56.2	57.4	60		subhedral to anhedral, silver							40155	35	36						
	57.4	58.6	70		grey arsenopyrite, weakly							40156	36	37						
	58.6	60	45		disseminated thru the interval							40157	37	38						
	60	61.5	50		98.5 to 145.5m.							40158	38	39						
	61.5	63.9	65									40159	39	40						
	63.9	65.1	65		• Arsenopyrite rimming late stage							40160	40	41						
	65.1	66	100		quartz veinlets @ 129.4m.							40161	41	42						
	66	67.5	100									40162	42	43						
	67.5	69	100									40163	43	44						
	69	70.5	65									40164	44	45						
	70.5	72.3	90									40165	45	46						
	72.3	75	100									40166	46	47						
	75	77.4	90									40167	47	48						
	77.4	79.5	100									40168	48	51						
	79.5	81.9	95									40169	51	52						
	81.9	83.2	90									40170	52	53						
	83.2	84.9	35									40171	53	54						

# ZELOS RESOURCES DRILL CORE LOG A

DEPTH (m)	Core Recovery			GRAPHIC LOG	CORE DESCRIPTION	C.B/CV.A C.V.A	ALTERATION					SAMPLE ASSAY DATA													
	From	To	%				Silicic	Phyllic	Prop.	Argillic	Sulphide	Sample	From	To	Au	Cu	Pb	Zn	Ag	As					
	84.9	86.3										40172	54	56											
	86.3	88.5											40173	56	57										
	88.5	91.5											40174	57	58										
	91.5	94.5											40175	58	59										
	94.5	97.5											40176	59	60										
	97.5	99.4											40177	60	61										
	99.4	102											40178	61	62										
	102	105											40179	62	63										
	105	108											40180	63	64										
	108	111											40181	64	65										
	111	113											40182	65	66										
	113	115.5											40183	66	67										
	115.5	118.5											40184	67	68										
	118.5	121.4											40185	68	69										
	121.4	122.6											40186	69	70										
	122.6	125.1											40187	70	71										
	125.1	127.5											40188	71	72										
	127.5	130.5											40189	72	73										
	130.5	132											40190	73	74										
	132	135											40191	74	75										
	135	136.7											40192	75	76										
	136.7	138.5											40193	76	77										
	138.5	139.1											40194	77	78										
	139.1	141											40195	78	79										
	141	142.2											40196	79	80										
	142.2	143.4										40197	80	81											
	143.4	145.1										40198	81	82											
	145.1	145.5										40199	82	83											
												40200	83	85											
												40201	85	86											
												40202	86	87											
												40203	87	88											
												40204	88	89											
												40205	89	90											
												40206	90	91											
												40207	91	92											
												40208	92	93											
												40209	93	94											
												40210	94	95											
												40211	95	96											
												40212	96	97											
												40213	97	98											
												40214	98	99											
												40215	99	100											
												40216	100	101											
												40217	101	102											
												40218	102	103											

W m s W m s W m s W m s W m s



W	m	s	W	m	s	W	m	s	W	m	s	W	m	s
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# DRILL CORE LOG B

Sheet No: 4/6

[illegible]

## ZELOS RESOURCES

Sheet No: 576

## DRILL CORE LOG B

DEPTH (m)	SAMPLE ASSAY DATA						Magnetic Susceptibility $\times 10^{-3}$ SI UNITS	COMMENTS
49							N.A.	
50							N.A.	
51							N.A.	
52							N.A.	
53							-01	
54							N.A.	
55							N.A.	
56							N.A.	
57							-03	
58							N.A.	
59							N.A.	
60							N.A.	
61							N.A.	
62							0.00	
63							0.00	
64							N.A.	
65							-01	
66							N.A.	
67							0.00	
68							-01	
69							-01	
70							-01	
71							0.00	
72							-01	
73							0.00	
74							-01	
76							-01	
77							-01	
78							-01	
79							-01	
80							-01	
81							0.00	
82							0.00	
83							-01	
84							0.00	
85							0.00	
86							-01	
87							0.00	
88							-01	
89							-01	
90							0.00	
91							0.00	
92							0.00	
93							0.00	
94							0.00	
95							0.00	
96							0.00	
97							-01	



## ZELOS RESOURCES

Sheet No: 6/6

## DRILL CORE LOG B

DEPTH (m)	SAMPLE ASSAY DATA						Magnetic Susceptibility $\times 10^{-3}$ SI units	COMMENTS
98							0.00	
99							0.00	
100							0.00	
101							-0.01	
102							-0.08	
103							0.00	
104							-0.01	
105							0.00	
106							-0.01	
107							0.00	
108							0.00	
109							-0.01	
110							0.00	
111							-0.01	
112							-0.36	
113							0.00	
114							-0.01	
115							0.00	
116							-0.01	
117							0.00	
118							0.00	
119							0.00	
120							-0.01	
121							0.00	
122							0.00	
123							0.00	
124							0.00	
125							-0.01	
126							-0.01	
127							0.00	
128							0.00	
129							-0.01	
130							-0.01	
131							-0.08	
132							-0.13	
133							-0.01	
134							-0.10	
135							-0.01	
136							-0.01	
137							0.00	
138							0.00	
139							0.00	
140							0.00	
141							0.00	
142							0.00	
143							-0.85	
144							-0.01	
145							-0.01	

ZELOS RESOURCES  
DRILLING LOG  
TITLE PAGE

PROJECT: SULPHIDE CREEK - DAVIE

EXPLORATION LICENSE: 43/2004

HOLE No: SC DDH 3

CO-ORDINATES

LOCAL GRID: ± 10N / S2SE  
AZIMUTH: 228° Grid  
INCLINATION: 70°  
DEPTH: 69

AMG: <sup>03</sup>75 834 / <sup>53</sup>36 336

RL COLLAR: ≈ 215m

HOLE SIZE

TO (m): 0 69  
Size: NTW (Smaller than HQ)

Core Orientations: Not taken

Commenced: 6<sup>th</sup> FEBRUARY 2006  
Completed: 15<sup>th</sup> FEBRUARY 2006  
Logged: LUKE VANZINO  
Drillers: LANCE STEBBINGS / MORTYn YOUNG - L.I.D.D.S.  
Drill Type: HYDROCORE 28

Drill Summary: Major caving and bogging of rods attempting to cross fault zone.

# ZELOS RESOURCES

## DRILL CORE LOG A

DEPTH (m)	Core Recovery			GRAPHIC LOG	CORE DESCRIPTION	C.B/CV.A C.V.A	ALTERATION					SAMPLE ASSAY DATA									
	From	To	%				Silicic	Phyllic	Prop.	Argillic	Sulphide	Sample	From	To	Au	Cu	Pb	Zn	Ag	As	
0-21	0	4.5	0		SANDSTONE							40261	4.5	6							
	4.5	6	80										40262	6	7						
	6	9	90		Pale to mid grey quartzitic,								40263	7	8						
	9	12	96		with monomictic breccia horizons								40264	8	9						
	12	15	95		and veins from 17.5 to 21.0m.								40265	9	10						
	15	17.5	90		This interval is east of the								40266	10	11						
	17.5	19.5	100		Karns fault and stockwork								40267	11	12						
	19.5	22.5	90		development is substantially								40268	12	13						
	22.5	25.5	80		reduced in intensity in								40269	13	14						
	25.5	27.0	65		comparison to west of the								40270	14	15						
	27.0	28.5	50		fault.								40271	15	16						
	28.5	30.8	20										40272	16	17						
27-69	30.8	31.5	65		FAULT BRECCIA UNITS								40273	17	18						
	31.5	34.5	30										40274	18	19						
	34.5	37.5	65		• 27-35m. Poorly consolidated								40275	19	20						
	37.5	40.5	85		with poor recoveries.								40276	20	21						
	40.5	43.5	35										40277	21	22						
	43.5	45	R		• 35-43 Coherent monomictic								40278	22	23						
	45	46.5	R		breccia with clasts $\leq 10$ m.								40279	23	24						
	46.5	49	R		Intersection of clasts. Coherent								40280	24	25						
	49	51	R	and competent rock.								40281	25	26							
	51	52.5	R									40282	26	27							
	52.5	54	R	• 43-69. Poor recoveries.								40283	27	28							
	54	55.5	R	Fault gouge clays and								40284	28	31							
	55.5	57	R	fault breccias (qtzite clasts).								40285	31	34.5							
	57	58.7	R	Poorly consolidated. Clay matrix.								40286	34.5	36							
	58.7	61	R									40287	36	37							
	61	61.5	R	No sulphides observed.								40288	37	38							
	61.5	62.5	R	Drilling did not penetrate								40289	38	39							
	62.5	64.5	R	base of oxidation.								40290	39	40							
	64.5	69.0	R									40291	40	41							
												40292	41	44							
												40293	44	46.5							
												40294	46.5	49							
												40295	49	51							
												40296	51	54							
												40297	54	57							
												40298	57	59							
												40299	59	61							
												40300	61	64.5							
												40301	64.5	69							

R = Rained material

W m s W m s W m s W m s W m s



Sheet No: 2 / 2

Sheet No: 2 / 2

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