

**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.

AMG: 03 75 756 / 53 36 293

RL COLLAR: ≈ 320m

**HOLE SIZE**

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

Commenced: 8<sup>th</sup> December 2005  
Completed: 16<sup>th</sup> December 2005  
Logged: Luke Vanzino  
Drillers: Lance Stebbings / Mostyn Young - WIPDS.  
Drill Type: Hydro core 28

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					
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/wall rock morphology. Exhibits intensive limonitic boxwork mesh texture.								40049	50.3	50.6										
	93.2	94.7	60										40050	50.6	52										
	94.7	95.6	35										40051	52	53										
	95.6	96.4	35										40052	53	54										
	96.4	97.3	60										40053	54	55										
50.6-96.9	97.3	97.9	15		SANDSTONE - Massive Facies: cf 20-44m.								40054	55	56										
	97.9	98.8	25		Exhibits variable qtz - limonite veinlet density. Some qtz veinlets are milky white and without limonite perhaps indicative of metamorphic "Sweats"								40055	56	57										
	98.8	100.2	50										40056	57	58										
	100.2	101.9	70										40057	58	59										
	101.9	103.7	95										40058	59	60										
	103.7	105.7	85										40059	60	61										
	105.7	107.9	85										40060	61	62										
	107.9	111.0	100										40061	62	63										
	111.0	114.1	90		• 85.4 - 85.7 minor mudstone clasts	CBA 112m/10°							40062	63	64										
	114.1	115.6	55										40063	64	65										
96.0-98.6	115.6	117.2	75		GRITSTONE:								40064	65	66										
	117.2	118.3	85		Coarsely stratified, poorly sorted, 2-5mm subrounded to angular, primarily quartzose with subordinate lithic component. Rare clasts < 20mm. Poorly consolidated.								40065	66	67										
	118.3	120.2	95										40066	67	68										
	120.2	122.0	70										40067	68	69										
	122.0	122.5	60										40068	69	70										
	122.5	124.2	85										40069	70	71										
	124.2	125.7	30										40070	71	72										
	125.7	127.1	70										40071	72	73										
98.8-127	127.1	127.3	25		SANDSTONE - laminated Facies: c.f. 0-20m.								40072	73	74										
	127.3	127.7	25										40073	74	75										
	127.7	128.5	50		Veinlet density decreasing with depth. Base of oxidation 127.1m.								40074	75	76										
	128.5	130.7	50										40075	76	77										
	130.7	131.5	90										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 colour, comprised of mononictic fault breccia. Poorly sorted, subrounded to angular, poorly consolidated with localised soft mud intervals. Clasts have very thin milky white quartz veinlets that predate brecciation. This zone corresponds to the proposed intercept with the Harris Fault. Difficult drilling conditions with the rods jammed on two occasions.								40079	80	81										
													40080	81	82										
													40081	82	83										
													40082	83	84										
													40083	84	85										
													40084	85	86										
													40085	86	87										
													40086	87	88										
													40087	88	89										
													40088	89	90										
													40089	90	91										
													40090	91	92										
													40091	92	93										
													40092	93	94										
													40093	94	95										
													40094	95	96										

E.O.M. 135.9m.

w m s w m s w m s w m s w m s



# ZELOS RESOURCES

## 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						-0.05		
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		

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							0.06		
94							-0.10		
95							NA	Rubby	
96							-0.01		



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**PROJECT:** SULPHIDE CREEK - DAVIE

**EXPLORATION LICENSE:** 43/2004

**HOLE No:** SC DOH 2.

**CO-ORDINATES**

**LOCAL GRID:** ≈ 10N / 525E  
**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:** LuVe Vanzino  
**Drillers:** Lance Stebbings / Mastyn Young - L.I.D.O.S.  
**Drill Type:** Hydrocore 28

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

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







# ZELOS RESOURCES

## DRILL CORE LOG B

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

# ZELOS RESOURCES

## 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						-0.01		
54						N.A.		
55						N.A.		
56						N.A.		
57						-0.03		
58						N.A.		
59						N.A.		
60						N.A.		
61						N.A.		
62						0.00		
63						0.00		
64						N.A.		
65						-0.01		
66						N.A.		
67						0.00		
68						-0.01		
69						-0.01		
70						-0.01		
71						0.00		
72						0.01		
73						0.00		
74						-0.01		
76						-0.01		
77						-0.01		
78						-0.01		
79						-0.01		
80						-0.01		
81						0.00		
82						0.00		
83						-0.01		
84						0.00		
85						0.00		
86						-0.01		
87						0.00		
88						-0.01		
89						-0.01		
90						0.00		
91						0.00		
92						0.00		
93						0.00		
94						0.00		
95						0.00		
96						0.00		
97						-0.01		

# ZELOS RESOURCES

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## 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	

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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 / Moby Young - L.I.D.D.S.  
Drill Type: Hydrocore 28

Drill Summary: Major casing 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				
0-27	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		Harris 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 < 10mm.									40279	23	24								
	46.5	49	R		Interbedded at 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 (quartz 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

