



GRANGES EXPLORATION AB
CANADIAN DIVISION

Report on Diamond Drilling Program
Burnt Basin Property
Work completed on Eva Bell Claim and B.P. Fr No. 3
September 11 - 30, 1979

Greenwood Mining Division
NTS 82 E / 1 E
Lat. $49^{\circ} 11'$, Long $118^{\circ} 08'$

Owner: Oliver Resources Ltd. and
Burnt Basin Mines Ltd.

Operator: Granges Exploration AB
1060 - 1055 West Hastings St.,
Vancouver, B. C., V6E 2E9

October 10, 1979

by H. H. Shear, P. Eng.

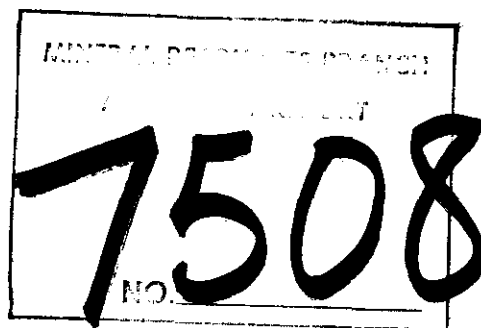


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INTRODUCTION

The Burnt Basin silver - lead - zinc prospect is located 360 km east of Vancouver, B. C. and 15 km north east of Christina Lake, B. C. It lies immediately west of the west rim of the MacRae Creek Valley. Access is provided by a rough road which leaves B. C. highway No. 3 immediately west of the Paulson Bridge and runs south west for 4 km to the property. Topographic relief is not extreme on the property although a few localized steep slopes occur. Elevations range from 1189 m along Josh Creek to 1494 m at the highest point on the property.

The Burnt Basin property consists of 8 mineral leases, which include 14 reverted crown grants, 19 claims and fractions, and 1 two unit modified grid claims. The property is owned by Oliver Resources Ltd. and Burnt Basin Mines Ltd. jointly. Granges Exploration AB optioned the property and completed a three hole diamond drilling program during September, 1979. The drilling totalled 290.78 m of BQ sized core, completed on the Eva Bell Claim and the B.P. Fr. No. 3.

Interest in the area dates to before 1900 when a number of claims were staked and eventually crown granted. During the last 20 years a number of companies have worked on the property. The work consisted of several geophysical surveys and diamond drilling programs. In recent years, several hundred tons of silver - lead - zinc ore were shipped from a pit on the Eva Bell Claim. No economic zones of ore are known to exist on the property at this time.

CLAIMS

The claims and leases which comprise the Burnt Basin property are listed below:

<u>NAME OF MINERAL CLAIM</u>	<u>RECORD OR LEASE #</u>
Ennismore	M - 52
Burnt Basin	M - 196
Mother Lode	M - 197
Mother Lode Fr.	M - 197
Daly	M - 197
Ajax Fr.	M - 197
Kittie	M - 205
Aldeen	M - 205
Tunnell	M - 205
Eva Bell	M - 131
Ajax	M - 183
Arington	M - 118
Halifix	M - 119

Golden Age Fr.	M - 119
B. P. Fr. 1-3	26063-26065
Shirly 1-8	19966-19973
Galena Fr.	19964
Havana Fr.	18902
1T Fr. 1	37207
1T Fr. 2	74
1T Fr. 3	73
1T 5 (2 units)	861
1T 6	862
Jennie Lind Fr.	625
Oliver	1612

DESCRIPTION OF PROGRAM & RESULTS

The purpose for drilling each of the three drill holes are as follows:

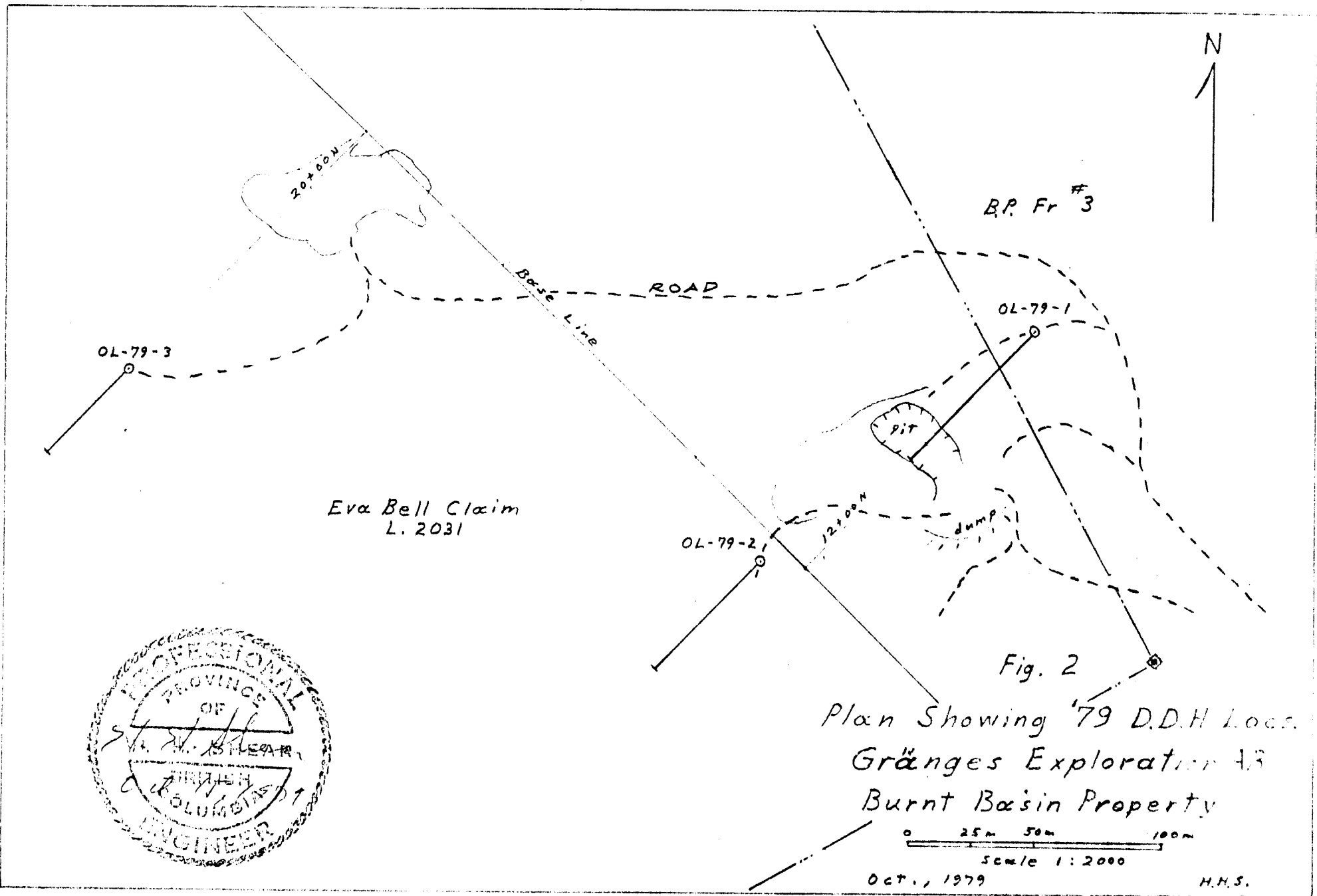
OL - 79 - 1 was drilled beneath the pit, from which recent shipments were made, as a short stepout from previous drilling by others. It was felt that the pit mineralization might dip easterly to significant depths in view of the fact that a magnetic anomaly extends approximately 150 feet east from the pit.

OL - 79 - 2 was drilled to test a small magnetic anomaly centered around 12+50 N and 1+50 W.

OL - 79 - 3 was drilled to test an EM anomaly located at 20+00 N and 4+75 W. Appendix A contains the logs and assay results for each hole. The hole locations are shown on figure 2.

Drill site preparation began on September 13, 1979, using a D 7 Cat bulldozer belonging to Burnt Basin Mines. The drill contractor, Bergeron Drilling of Greenwood, B.C. moved onto the property on September 14, 1979. Drilling was completed on September 28th.

The three drill holes intersected interbedded black graphitic limestone, grey limestone and numerous units of tuff. The tuff units have previously been described as dikes intruded into the limestone units. These units contain numerous pyroclastic fragments and their contacts generally conform to the adjacent bedding in the limestone. No chill zones occur at the edges of these units nor has the adjacent limestone been altered in the least on the contacts. Therefore these rocks are considered to be pyroclastic in origin and to have been deposited conformably with the limestone.



The black graphitic limestone units were found to be highly conductive when tested with an ohm meter. Their extensive occurrence on the Burnt Basin property explains the extensive high background I.P. readings and numerous pulse EM anomalies obtained in a survey completed in August, 1978.

Results of the drilling were not encouraging. Hole OL - 79 - 1, drilled under the production pit intersected the mineral zone from 54.79 - 55.09. The mineral zone has narrowed dramatically with depth and has also diminished in grade. A second narrow parallel mineral zone was intersected from 69.49 - 69.67. Some sections with abundant disseminated pyrrhotite occur in black limestone which may explain the magnetic anomaly extending east of the pit. Very minor amounts of disseminated sphalerite were observed in a few sections of limestone, but assays show that no values of interest occur. Assay results are shown on the record sheets in Appendix A.

Hole OL - 79 - 2, drilled to test a small magnetic anomaly, intersected a tuff bed from 46.56 - 53.95. This unit contained spotty skarn alteration with occasional veinlets of magnetite, which explains the cause of the anomaly. No base metal sulphides were observed in this section. Two short sub-economic zones were intersected by the hole as shown in Appendix A.

Hole OL - 79 - 3, drilled to test a pulse EM anomaly, intersected abundant conductive black graphitic limestone. Several short sections were intersected which contained visible disseminated sphalerite and chalcopyrite. None of these returned values that would warrant further interest.

The presence of extensive conductive black graphitic limestone on the prospect rules out the effective use of electrical geophysical methods for locating meaningful drill targets. The most effective geophysical method for locating targets is the magnetometer because the ore grade showings all contain significant quantities of magnetite. A detailed magnetometer survey completed over the Eva Bell Claim in 1972 demonstrated the sporadic and relatively small size of targets. Most of these targets have been tested by drilling. Minor amounts of copper, lead and zinc sulphides were encountered in the drill holes and occur in trenches on the property away from the main showings. This mineralization appears to be very limited and sporadic.

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The writer feels that no further work by Granges Exploration is warranted on the Burnt Basin property.

STATEMENT OF COSTS

Labour (Sept. 11 - Oct. 5, 1979)

Mobilize, supervision, logging core, demobilization.
H. H. Shear: Sept. 11 - Sept. 30th
20 days at \$75.13 a day = \$1,502.60

Repair and start D-7 cat, operate D-7, travel time.
Stan Ruzika: Sept. 13 - 20th.
26 hr. at \$10.00 per hr. = \$260.00

Helper: Spot drill holes; clean rocks from road.
Tom Knight: Sept 13th
1 day at \$50.00 a day = \$50.00

Report, maps and drill logs preparation
H. H. Shear Oct. 2 - 4th
3 days at \$107.35a ady = \$322.05

TOTAL \$2,134.65

Contractors (Sept.13 - Sept.30, 1979)

Bergeron Drilling Ltd.

Drilling 954' at \$19.00 per foot = \$18,126.00
Tear down and setups, moving and water supply
104 man hours at \$15.00 per hr. = \$1,560.00
Core boxes 45 boxes at \$4.85 per box = \$218.25
Mobilize & demobilize from Greenwood = \$400.00
Room, board and travel time,
40 man days at \$20.00 per day = \$800.00

TOTAL \$21,104.25

Burnt Basin Mines Ltd. (Sept. 13 - 28, 1979)

Rental on D-7 cat bulldozer: drill site and access
prepartion, moving drill, loading and unloading
drill.
21.5 hr. at \$20.00 per hr. = \$430.00

P. Gouthro of Grand Forks, B. C. (Sept. 25-28, 1979)

Rental and 4x4 truck c/w driver for hauling water.
4 days at \$110.00 per day = \$440.00

TOTAL \$21,974.25

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Assaying (Acme Analytical Lab.)

11 samples (Ag, Pb, Zn) at \$11.50 = \$126.50
10 samples (Au, Ag, Ca, Zn) at \$18.00 = \$180.00

TOTAL \$306.50

Expenses (Sept. 11 - 30, 1979) H. H. Shear

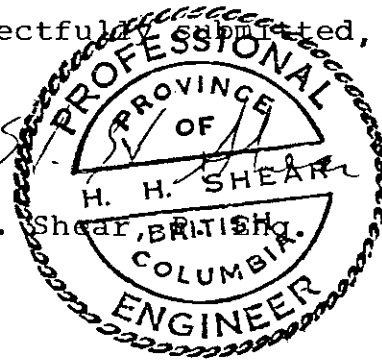
Fuel (pick up & D-7): Sept. 11 - 30th \$150.44
Room: Sept. 10 - 12th at \$16.80 a day = \$50.40
Sept. 13 - 24th at \$16.00 a day = \$192.00
Room & board Sept. 25 - 28th at \$20.00 a day = \$80.00
Restaurant meals & groceries Sept. 11-30th \$85.16

TOTAL \$558.00

TOTAL MONEY SPENT \$24,973.40

Respectfully submitted,

H. H. Shear



HH/jc
October 15, 1979

STATEMENT OF QUALIFICATIONS

Name: Henry Herbert Shear

Profession: Exploration Geologist

Education: B. Sc. -- Geological Engineering (1959);
B. Sc. -- Mining Engineering (1960), both
from University of Arizona

Professional Associations: Member of the Association of Professional Engineers of British Columbia

Member of The Canadian Institute of Mining and Metallurgy

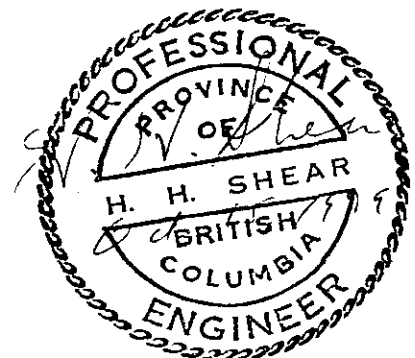
Experience: 4 years -- Field Geologist with various companies in British Columbia

1 year -- Exploration Manager for General Resources Ltd. in Australia

7 years -- Consulting Geologist and Project Manager including 4 years with Quintana Mineral Corp.

1 year -- Project Geologist with Giant Mascot Mines, Ltd.

May, 1976, to present -- Project Geologist with Granges Exploration AB





GRANGES EXPLORATION AB
CANADIAN DIVISION
DIAMOND DRILL LOG

Property *Oliver, O.P., Burnt Basin* Project No. *70126* Depth *109.12 m (358')* Date Began *Sept. 15, 1979*
 Hole No. *04-79-1* Co ord. *12+00 N* Horizontal Length *70.0 m* Date Completed *Sept. 25, 1979*
 Sheet No. *1* *4+20 E* Direction *Grid West* Drilled By *Bergeron Drilling*
 Claim No. *Eva. Bell and* Elevation *BP Fr No 3* Angle *-50°* Logged By *S.V. Allen*

METERS FOOTAGE	DESCRIPTION	ALTERATION								% RECY CALC'D.
		FROM	TO							
0 - 4.11	Overburden ; casing 0 - 4.27									
4.11 - 4.72	Black graphitic limestone ; contact @ 4.72 = 60°									
4.72 - 5.49	Tuff ; minor diss. py ; a few small frags. contact @ 5.49 = 55°									
5.49 - 14.94	Black graphitic limestone ; bedding contorted ; ab. f.g. po + py ; ab white cal. veinlets to 2cm. contact @ 14.94 = 40°									
14.94 - 15.70	Tuff ; ab. f.g. brown bio. ; minor diss py ; mod. cal. ; ab. frags. 1-3 mm ; Color - grey									
15.70 - 16.15	Black graphitic limestone - as above									
16.15 - 16.23	Tuff - as above									
16.23 - 16.54	Black graphitic limestone - as above contact @ 16.54 = 90°									
16.54 - 17.32	Grey Tuff ; ab. cal. ; ab. frags. 1-3 mm. contact @ 17.32 = 55°									
17.32 - 17.45	Black limestone - as above									
17.45 - 17.55	Tuff - as above ; unit at 65° ; mod. cal.									
17.55 - 18.36	Black limestone - as above									
18.36 - 18.90	Lt. grey Tuff ; brecciated and re- cemented ; mod. diss po + py ; ab. cal.									
18.90 - 19.66	Black limestone - as above									
19.66 - 19.74	Tuff - as above									

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GRANGES EXPLORATION AB
CANADIAN DIVISION
DIAMOND DRILL LOG

Property *Oliver op. - Burnt Basin*, Project No. *70126*, Depth *109.12 m (358')*, Date Began *Sept. 15, 1979*
 Hole No. *04-79-1*, Co ord. *12+00N*, Horizontal Length *70.0 m*, Date Completed *Sept. 25, 1979*
 Sheet No. *2*, *4+20E*, Direction *Grid West*, Drilled By *Bergeron Drilling*
 Claim No. *Eva Bell and B.P. Fr No 3*, Elevation, Angle *-50°*, Logged By *S.V. Sloan*

METERS ELEVATION	DESCRIPTION	ALTERATION								% REC'Y CALC'D
		FROM	TO							
19.74 - 23.09	Black graphitic limestone; contorted bedding and brecciated; ab. po + py; minute sph.									
23.09 - 23.42	lt. grey Tuff; spotty cal.; minor diss po; minor epi + chl.									
23.42 - 31.39	Black graphitic limestone; bedding 45° at top to 65° at bottom; brecciated in spots; ab. diss. po + py; minor sph.									
31.39 - 35.66	lt. grey Tuff; ab. diss brown bio + chl.; minor cal.; occa veinlet of sil.; 2-3% diss po + py.									
35.66 - 35.97	Black limestone @ 65°									
35.97 - 38.81	Tuff - as above									
38.81 - 45.11	Black graphitic limestone; ab. wh. cal. veinlets; bedding ave \approx 55°; 2-3% diss po + py; Numerous small tuff beds up to .25 m.									
45.11 - 49.53	Tuff - as above; with 2 - .3 m beds of ls.									
49.53 - 54.79	Black graphitic ls. - as above; occa. bed of tuff to .15 m									
54.79 - 55.09	Mineral zone; ab. py + po; 2 cm band of mag.; 1 cm band sph.; minor chl., minute epi;									
55.09 - 55.68	Tuff - as above									
55.68 - 56.62	Black graphitic ls.; minor po, py + sph; contact @ 56.62 = 50°									
56.62 - 59.69	Tuff - as above									
59.69 - 71.17	Dk. grey to bk ls with minor lt grey sees; minor spotty sph.; minor po + py; @ 66.60; 5 cm of mag.; 69.55 - 69.65: mag with minor sph. @ 80°									

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GRANGES EXPLORATION AB
CANADIAN DIVISION
DIAMOND DRILL LOG

Property *Oliver Op. - Burnt Basin* Project No. *70126* Depth *109.12 (358')* Date Began *Sept. 15, 1979*
 Hole No. *04-79-1* Co ord. *12+00 N* Horizontal Length *70.0 m* Date Completed *Sept. 25, 1979*
 Sheet No. *3* *4+20 E* Direction *Grid East* Drilled By *Bergeron Drilling*
 Claim No. *Eva Bell and* Elevation *B.P. Fr. No 3* Angle *-50°* Logged By *S.V. Sloan*

METERS FOOTAGE	DESCRIPTION	ALTERATION										% RECY CALC'D.	
		FROM	TO										
71.17 - 73.15	Tuff - as above												
73.15 - 76.86	Grey ls.												
76.86 - 79.55	Tuff												
79.55 - 81.08	Grey ls.												
81.08 - 81.38	Tuff; contacts @ 50° + 60°												
81.38 - 81.99	Grey to BK. ls.												
81.99 - 83.26	Tuff												
83.26 - 86.87	Grey to BK. ls.												
86.87 - 88.09	Tuff												
88.09 - 95.61	Black ls; mostly brecciated with white cal. filling fracs; contacts @ 80°												
95.61 - 96.93	Mixed BK. ls. and Tuff												
96.93 - 100.58	Tuff												
100.58 - 101.19	BK. ls. with 2-7cm beds Tuff; bedding @ 80°; minor sph, po + py												
101.19 - 103.68	Tuff												
103.68 - 108.36	BK. ls.; secs ab. po + py												
108.36 - 109.04	Tuff												
109.04 - 109.12	Grey limestone												

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GRANGES EXPLORATION AB
CANADIAN DIVISION
DIAMOND DRILL LOG

Property *Oliver Op. - Burnt Basin* Project No. *70126* Depth *90.83 m (298')* Date Began *Sept. 20, 1979*
 Hole No. *04-79-2* Co ord. *12+50 N* Horizontal Length *58.5 m* Date Completed *Sept. 23, 1979*
 Sheet No. *1* *0+35 W* Direction *Grid West* Drilled By *Bergeron Drilling*
 Claim No. *Eva Bell* Elevation _____ Angle *-50°* Logged By *S.V. Shaw*

METERS FOOTAGE	DESCRIPTION	ALTERATION										% RECY CALC'D.	
		FROM	TO										
0 - 3.66	Overburden and casing												
3.66 - 5.49	Mixed Tuff, limestone and brecciated chert; poor recovery; minor po, py + sph.												
5.49 - 15.14	Black graphitic limestone; bedding varies 30° - 80°; minor po + sph; minute py												
15.14 - 16.00	Tuff; contacts @ 90°												
16.00 - 17.25	Black graphitic ls.; minor po + py; minute sph.												
17.25 - 17.47	Tuff												
17.47 - 22.81	Bk. grap. ls.; minor po + py												
22.81 - 24.10	Tuff; contacts @ ≈ 90°, minor diss. po + py												
24.10 - 25.55	Bk. grap. ls. - as above												
25.55 - 25.86	Tuff; minor diss. po + py												
25.86 - 32.71	Bk. grap. ls. with numerous beds of Tuff 5-10cm thick minor po + py, minute sph.												
32.71 - 37.03	Tuff, ab. frag. up to .5 cm.; 1-2% py mainly sm veinlets; ab. bio; moderate chl.												
37.03 - 41.45	Grey and Bk ls.; minor diss po + py; minute sph												
41.45 - 42.37	Tuff, minor diss py; mod. chl + cel. contacts: 41.45 = 90°, 42.37 = 60°												
42.37 - 46.56	Grey ls, mineral as above												
46.56 - 53.95	Tuff; brecciated with spotty skarn alt.; a few 2-5 mm veinlets of mag. minor diss po + py												

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GRANGES EXPLORATION AB
CANADIAN DIVISION
DIAMOND DRILL LOG

Property *Oliver Op. - Burnt Basin* Project No. *70126* Depth *90.93 m (298')* Date Began *Sept. 20, 1979*
 Hole No. *OK-79-2* Co ord. *12 + 50 N* Horizontal Length *58.5 m* Date Completed *Sept. 23, 1979*
 Sheet No. *2* *0 + 35 W* Direction *Grid West* Drilled By *Bergeron Drilling*
 Claim No. *Eva. Bell* Elevation Angle *- 50°* Logged By *J.V. J. J. J.*

METERS FOOTAGE	DESCRIPTION	ALTERATION										% REC'D CALC'D.			
		FROM	TO												
53.95 - 60.83	BK and grey ls.; bedding 70° - 80°; minor diss. po + py; minute sph.; 55.89 - 56.31; minor sph + gal.														
60.83 - 66.98	L. g. Tuft; greyish gran; minor chl.; ab. bio.; minute py on a few frag. contacts @ 70°														
66.98 - 69.90	Grey ls.; minor po + py; bedding @ 80°														
69.90 - 73.76	Tuft with a few .15 m beds of ls.														
73.76 - 74.37	Grey ls.; 73.76 - 73.86 white cal with blebs of sph.														
74.37 - 75.59	Tuft														
75.59 - 77.57	Grey ls														
77.57 - 78.49	Tuft														
78.49 - 80.70	Grey ls.; contacts @ 42°														
80.70 - 82.45	Tuft														
82.45 - 83.64	Grey ls.														
83.64 - 84.96	Tuft														
84.96 - 89.46	Grey ls														
89.46 - 90.93	Tuft														

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GRANGES EXPLORATION AB
CANADIAN DIVISION
DIAMOND DRILL RECORD

Property *Oliver Op. : Burnt Basin* Project No. *70126* Depth *90.83 m (298')* Date Began *Sept. 20, 1979*
 Hole No. *04-79-2* Co ord. *12+50N* Horizontal Length *58.5m* Date Completed *Sept. 23, 1979*
 Sheet No. *1* Direction *Grid West* Drilled By. *Bergeron Drilling*
 Claim No. *Eva Bell* Elevation Angle *-50°* Logged By. *S.V. St. Jean*

METERS FOOTAGE	NUMBER	WIDTH	Au.	Ag. g/t	Cu.	Zn.	Pb	WIDTH X ASSAY				AVERAGES					REMARKS	
								WIDTH	Au.	Ag.	Cu.	Zn.						
0 - 3.66	<i>Casing</i>	<i>3.66</i>																
3.66 - 8.53	<i>waste</i>	<i>4.87</i>																
8.53 - 9.75	<i>2161</i>	<i>1.22</i>		<i>2.0</i>		<i>.12</i>	<i>.08</i>											
9.75 - 11.27	<i>2162</i>	<i>1.53</i>		<i>4.0</i>		<i>.75</i>	<i>.05</i>											
11.28 - 14.33	<i>2165</i>	<i>3.05</i>		<i>1.0</i>		<i>.05</i>	<i>.02</i>											
14.33 - 55.89	<i>waste</i>	<i>41.56</i>																
55.89 - 56.31	<i>2166</i>	<i>0.42</i>		<i>6.0</i>		<i>.40</i>	<i>.37</i>											
56.31 - 90.83	<i>waste</i>	<i>34.52</i>																

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GRANGES EXPLORATION AB
CANADIAN DIVISION
DIAMOND DRILL LOG

Property *Oliver Op. - Burnt Basin* Project No. *70126* Depth *90.83m (298')* Date Began *Sept. 26, 1979*
Hole No. *OL-79-3* Co ord. *20+00N* Horizontal Length *45.5m* Date Completed *Sept. 28, 1979*
Sheet No. *1* Direction *Grid West* Drilled By *Bergeron Drilling*
Claim No. *Eva Bell* Elevation Angle *-60°* Logged By *J.V. N. Sheen*

METERS FOOTAGE	DESCRIPTION	ALTERATION										% RECY CALCD.	
		FROM	TO										
0 - 5.49	Casing												
5.49 - 8.23	Black and grey limestone; bedding @ $\approx 45^\circ$; contact @ 8.23 = 55° ; minor py and spotty sph + cp.												
8.23 - 9.14	Tuff; minor diss. po + py; minor brown bio.; contact @ 9.14 = 50°												
9.14 - 11.94	BK and grey ls; minor diss py; minor spotty diss + fine veinlets sph; minute diss cp.; contact @ 11.94 = 80° with 5mm veinlet sph.												
11.94 - 13.49	Tuff; med. br. bio.; minor diss po + py; 7 cm bed of ls @ 12.65												
13.49 - 13.62	BK graphitic ls; well mineralized with ab. po + py and minor cp, sph + gal. bed @ 70°												
13.62 - 13.84	Tuff - as above												
13.84 - 15.44	BK graphitic and grey ls.; minor diss py; minor spotty sph.; bedding $60^\circ-80^\circ$; contact @ 15.44 = 60° and is parallel to bedding												
15.44 - 15.67	f.g. Tuff; contact @ 15.67 = 65°												
15.67 - 16.92	c.g. Tuff; minor diss py; minute diss. sph + grey metallic min (gal?); minor chl.; contact @ 16.92 = 65° ; and is parallel to ls. bedding.												
16.92 - 19.96	BK (graphitic) and grey ls.; minor diss py; minute spotty sph.; bedding 80° to 90°												
19.96 - 20.12	Tuff; very shattered												

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GRANGES EXPLORATION AB
CANADIAN DIVISION
DIAMOND DRILL LOG

Property *Oliver Op - Burnt Basin* Project No. *70126* Depth *90.83 m. (298')* Date Began *Sept. 26, 1979*
 Hole No. *OL-79-3* Co ord. *20+00N* Horizontal Length *45.5 m.* Date Completed *Sept. 28, 1979*
 Sheet No. *2* Direction *Grid West* Drilled By *Bergeson Drilling*
 Claim No. *Eva Bell* Elevation Angle *-60°* Logged By *S.V. Shea*

METERS LOGGAGE	DESCRIPTION	ALTERATION								% RECY CALC'D.
		FROM	TO							
20.12 - 27.64	BK (graphitic) and grey ls.; bedding varies from 40° to parallel with core axis; brecciated sees with wh. cal. filling frags.; minor diss py; minute spotty sph; 24.38 - 24.69; ab. BK graphitic gouge on frags.									
27.64 - 27.84	Tuff @ 70°									
27.84 - 31.01	BK and grey ls - as above 30.35 - 31.01 ab. f.g. cp									
31.01 - 32.31	f.g. Tuff; minor diss py + chl.									
32.31 - 42.37	Black graphitic ls.; occa. gouge frac with ab. graphite; 35.05: 10 cm of breccia and gouge; 39.01; 3 m of breccia and gouge. Whole sec: minor diss po+py, minute spotty sph.									
42.37 - 42.67	Tuff @ 70°									
42.67 - 47.24	Black graphitic ls.; 1-2% diss py; spotty diss. po; minute spotty sph; bedding @ 70°									
47.24 - 50.14	c.g. Tuff; minor diss po + py and br. bio.									
50.14 - 51.94	Black graphitic ls; 2-3% diss po + py; minute diss sph. 50.14 - 50.44; fair vis sph.									
51.94 - 52.71	f.g. Tuff; mod. br. bio.									
52.71 - 54.61	Black graphitic ls; mostly brecciated with ab. wh. cal. filling frags; minor po, py + sph.									
54.61 - 62.64	c.g. Tuff; lineations @ 50°									
62.64 - 63.25	BK. grey. brecciated ls. ab. wh. cal.									

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GRANGES EXPLORATION AB
CANADIAN DIVISION
DIAMOND DRILL RECORD

Property *Oliver Op.: Burnt Basin* Project No. *70126* Depth *90.83m (298')* Date Began *Sept. 26, 1977*
 Hole No. *OL-79-3* Co ord. *20+00N* Horizontal Length *45.5m* Date Completed *Sept. 28, 1977*
 Sheet No. *1* Direction *Grid West* Drilled By *Bergeron Drilling*
 Claim No. *Eva Bell* Elevation Angle *-60°* Logged By *S.V. Shea*

METERS	NUMBER	WIDTH	Au. g/Ton	Ag. g/Ton	Cu.	Zn.	Pb	WIDTH X ASSAY	AVERAGES					REMARKS			
									WIDTH	Au.	Ag.	Cu.	Zn.				
0 - 5.49	Casing	5.49															
5.49 - 8.23	2169	2.74	.05	9.0	.14	.08	.01										
8.23 - 9.14	Waste	0.91															
9.14 - 11.94	2170	2.80	.05	4.5	.04	.17	.02										
11.94 - 13.49	Waste	1.55															
13.49 - 13.62	2171	0.13	.05	27.0	.18	.40	.11										
13.62 - 13.84	Waste	0.22															
13.84 - 15.44	2172	1.60	.05	1.5	.01	.24	.01										
15.44 - 15.67	Waste	0.23															
15.67 - 17.22	2173	1.55	.05	2.0	.01	.05	.06										
17.22 - 30.35	Waste	13.13															
30.35 - 31.01	2174	0.66	.05	27.0	.30	.04	.01										
31.01 - 50.14	Waste	19.13															
50.14 - 50.44	2175	0.30	.05	1.5	.01	1.80	.01										
50.44 - 51.94	2176	1.50	.05	1.5	.01	.04	.01										
51.94 - 52.71	Waste	0.77															
52.71 - 54.61	2177	1.90	.05	3.0	.02	.18	.02										
54.61 - 83.52	Waste	28.91															
83.52 - 85.04	2178	1.52	.05	1.0	.01	.01	.02										
85.04 - 90.83	Waste	5.79															

7508