



ESSO MINERALS CANADA

A Division of  
 Esso Resources Canada Limited  
 1600 - 409 GRANVILLE STREET  
 VANCOUVER, B.C. V6C 1T2  
 FAX: (604) 687-0631  
 Telephone (604) 661-7100

File: MA17.B.05  
 August 10, 1987

Mr. J. Ralfs  
 Apex Energy Corp.  
 407 - 750 West Pender Street  
 Vancouver, B.C. V6C 2T7

✓ Mr. R.G. Hunter  
 Lincoln Resources Inc.  
 c/o 1440 - 625 Howe Street  
 Vancouver, B.C. V6C 2T6

Gentlemen:

**SUBJECT: PROGRESS REPORT - JULY, 1987 - TWIN PROPERTY**

I have included a progress report for July that covers our work on the Twin Property which is joint ventured with your groups.

An intersection visually similar to Twin 3 has been obtained from Twin 9, drilled in the vicinity. As before, follow-up holes (Twin 10 and two drilled earlier this month) are visually disappointing. No assay results are yet available on these holes.

Base metal values are now complete for Twin 4-6, inclusive. As indicated previously, they are of little economic interest, but may yet prove important in indicating significantly mineralized zones. This will have to await our interpretation of all the data.

Please do not hesitate to phone if you have any questions.

Yours sincerely,

J.A. McDonald  
 Exploration Manager  
 Western Region

/pvz  
 507.B

Encl.

## MONTHLY REPORT ON FIELD ACTIVITIES - JULY, 1987

### TWIN PROPERTY

#### GENERAL

Diamond drilling accounted for all activities on the property during the month; four holes (Twin 7-10 inclusive) were completed for a total of 492.3 m.

#### RESULTS

Two holes were drilled on the "Rea Zone" to follow up work around the Twin 3 intersection reported earlier. A mineralized zone was intersected in Twin 9, collared a short distance from Twin 3. However, holes drilled in the immediate vicinity again indicate this mineralization to be interesting but economically not significant. Assays on this intersection are not yet available.

Two holes (Twin 7 and 8), drilled to test surface geochemical anomalies, did not reveal the projected "Silver Zone" stratigraphy.

#### SUMMARY LOGS

##### Twin 7

Co-ordinates: 0+69S, 69+27E  
Azimuth: 225<sup>o</sup>  
Inclination: -45<sup>o</sup>  
Total Length: 132.9 m

##### Purpose:

To test surface geochemistry along projected "Silver Zone" stratigraphy.

##### Results:

Dioritic intrusive rocks may be a sill emplaced along a structural failure that parallels the "Silver Zone". "Silver Zone" stratigraphy not intersected.

| <u>Interval (m)</u> | <u>Lithology</u>   |
|---------------------|--|
| 0 - 3.7             | Overburden   |
| 3.7 - 87.2          | Variously altered mafic flows and pyroclastics                       |
| 87.2 - 117.5        | Diorite intrusion - chilled borders, silicified with minor sulphides |
| 117.5 - 132.9       | Diorite and altered diorite  |
| 132.9               | E.O.H.   |

Twin 8

Co-ordinates: 3+75S, 66+96E  
Azimuth: 225<sup>o</sup>  
Inclination: -45<sup>o</sup>  
Total Length: 111.6 m

Purpose:

To test surface geochemistry along projected "Silver Zone" stratigraphy.

Results:

"Silver Zone" not intersected. Hole stayed in variously altered mafic rocks.

| <u>Interval (m)</u> | <u>Lithology</u>   |
|---------------------|--|
| 0 - 4.3             | Overburden   |
| 4.3 - 72.7          | Mafic pyroclastics and flows variously altered           |
| 72.7 - 74.7         | Mafic flow - sericitized                                 |
| 74.7 - 84.4         | Mafic tectonic breccias; locally 40% vein-related pyrite |
| 84.4 - 93.1         | Mafic flow - sericitized                                 |
| 93.1 - 105.8        | Mafic flow - quartz carbonate veins                      |
| 105.8 - 111.6       | Mafic flows and pyroclastics - sericitized               |
| 111.6               | E.O.H.   |

Twin 9

Co-ordinates: 4+98S, 78+00E  
Azimuth: 225<sup>o</sup>  
Inclination: -45<sup>o</sup>  
Total Depth: 90.2 m

Purpose:

Test Rea stratigraphy.

Results:

"Rea Zone" intersected massive sulphide/barite zone 80.5 - 83.0 m.

| <u>Interval (m)</u> | <u>Lithology</u>                       |
|---------------------|--|
| 0 - 12.2            | Overburden                             |
| 12.2 - 19.7         | Intermediate tuffs                     |
| 19.7 - 20.7         | Fault zone                             |
| 20.7 - 28.6         | Sericitized felsic tuffs               |
| 28.6 - 40.3         | Intermediate tuffs                     |
| <u>40.3 - 83.0</u>  | <u>Rea Zone</u> - target               |
| 40.3 - 56.0         | Tuffs - sericite and pyrite alteration |
| 56.0 - 59.8         | Pyritic argillite                      |

| <u>Interval (m)</u> | <u>Lithology</u>                      |
|---------------------|---------------------------------------|
| 59.8 - 70.6         | Tuffs: sericite and pyrite alteration |
| 70.6 - 80.5         | Chert: pyritic, sericite              |
| 80.5 - 82.2         | Massive sulphides                     |
| 82.2 - 83.0         | Inter-layered barite and pyrite       |
| 83.0 - 88.4         | Siltites and wackes                   |
| 88.4 - 90.2         | Black argillite                       |
| 90.2                | E.O.H.                                |

Twin 10

Co-ordinates: 4+98S, 78+00E  
Azimuth: -  
Inclination: -90°  
Total Length: 156.7 m

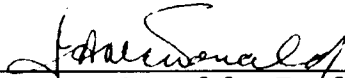
Purpose:

To test for "Rea Zone" mineralization down-dip from Twin 9.

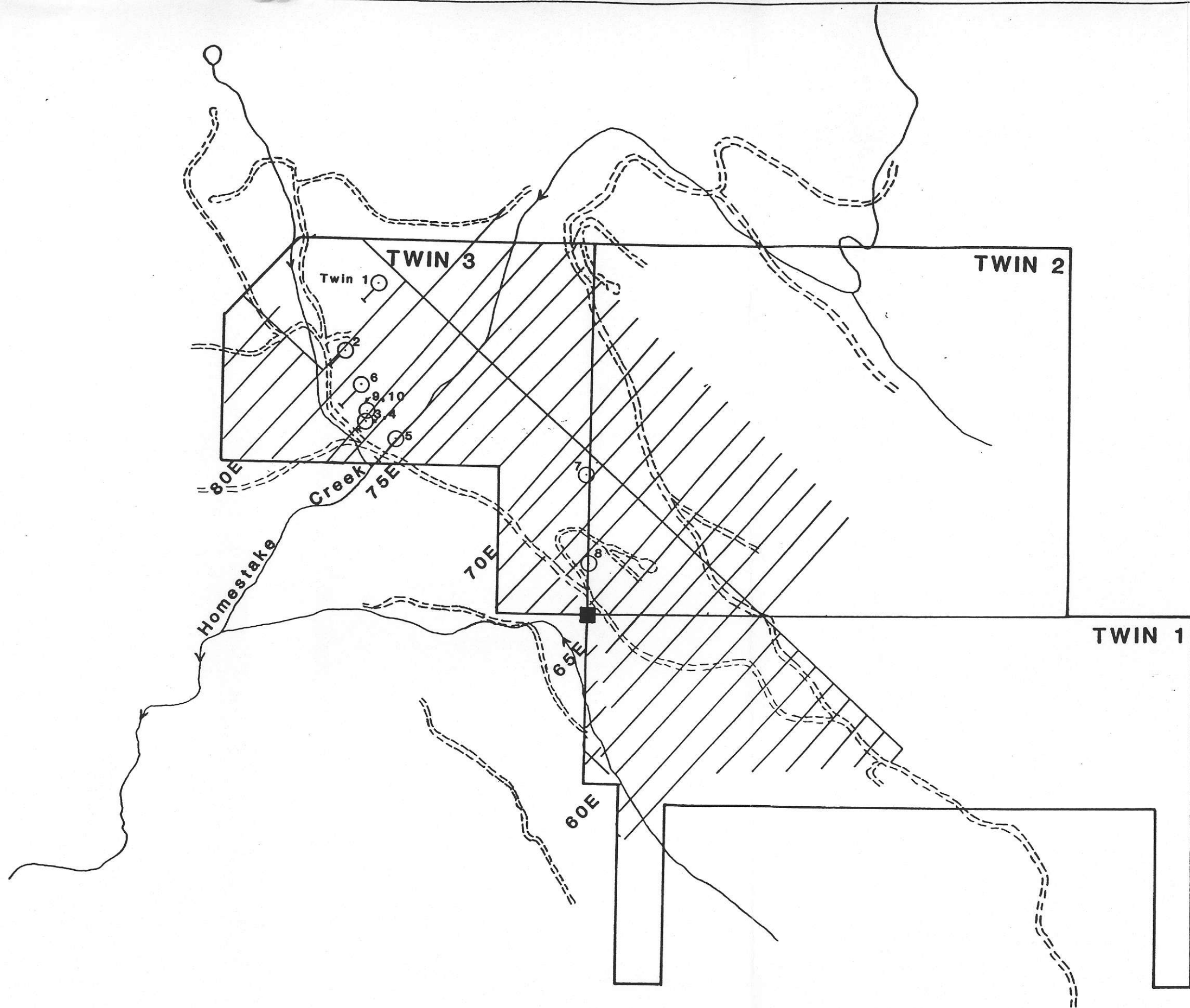
Results:

Thick "Rea Zone" encountered; no obvious significant mineralization.

| <u>Interval (m)</u> | <u>Lithology</u>                     |
|---------------------|--------------------------------------|
| 0 - 6.7             | Overburden                           |
| 6.7 - 28.7          | Intermediate tuffs                   |
| 28.7 - 30.6         | Fault zone                           |
| 30.6 - 47.9         | Intermediate tuffs                   |
| <u>47.9 - 107.8</u> | <u>"Rea Zone" target</u>             |
| 47.9 - 51.8         | Inter-layered chert, tuff, argillite |
| 51.8 - 63.8         | Chert breccia                        |
| 63.8 - 88.9         | Sericitic tuff                       |
| 88.9 - 91.1         | Pyritic argillite                    |
| 91.1 - 92.9         | Chert breccia                        |
| 92.9 - 97.1         | Wacke                                |
| 97.1 - 107.8        | Chert breccia                        |
| 107.8 - 134.8       | Wacke                                |
| 134.8 - 156.7       | Inter-layered argillite and siltite  |
| 156.7               | E.O.H.                               |

  
\_\_\_\_\_  
J.A. McDonald, Exploration  
Manager, Western Region

/pvz  
507.B



| REVISIONS |      |            |
|-----------|------|------------|
| By        | Date | Approv. By |
|           |      |            |
|           |      |            |
|           |      |            |

|                                     |             |
|-------------------------------------|-------------|
| <b>ESSO MINERALS CANADA</b>         |             |
| <b>TWIN PROPERTY</b>                |             |
| <b>Diamond Drill Hole Locations</b> |             |
| 0 500m                              |             |
| To accompany a report by            |             |
| Project No: 117                     | Report No:  |
| Mining Div: Kamloops                | NYS: 82M/4W |
| Survey By:                          | Drafted By: |
| Date Aug 10/87                      | Map No:     |