

DIAMOND DRILLING



42C03NW0012 14 ABBIE LAKE

010

Area: Abbie Lake

Report No: 14

WORK PERFORMED FOR: MacMillan Energy Corp. Ltd.

RECORDED HOLDER: SAME AS ABOVE [x]

: OTHER []

| <u>CLAIM NO.</u> | <u>HOLE NO.</u> | <u>FOOTAGE</u> | <u>DATE</u> | <u>NOTE</u> |
|------------------|-----------------|----------------|-------------|-------------|
| SSM 629245 | M-55 | 49.99m | Sept/86 | (1) |

NOTES: (1) #141-86

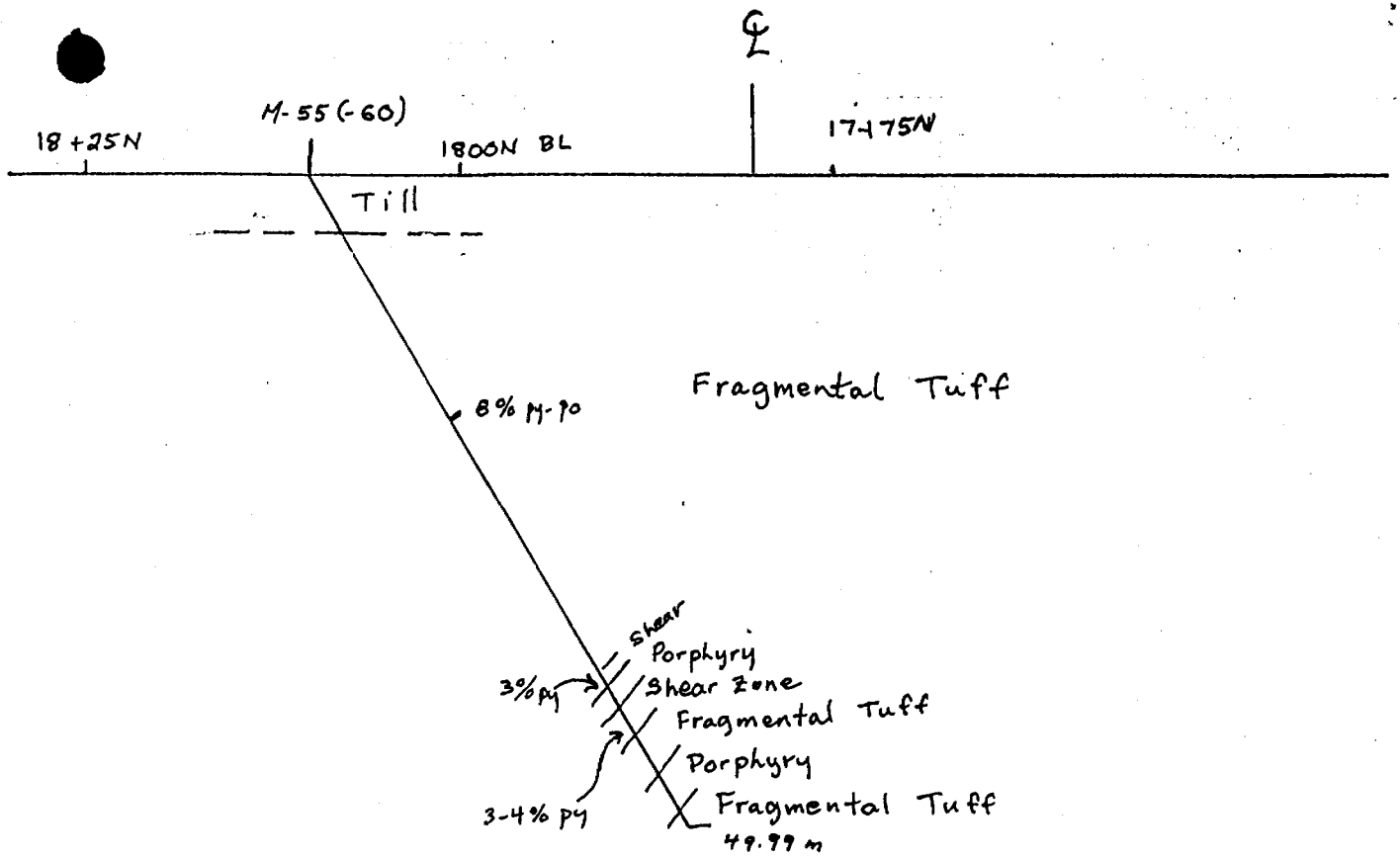

**GRANGES EXPLORATION LTD.
DIAMOND DRILL LOG**

Property MISHI OPTION Project No. 227 Depth 49.99m (164') Date Began Sept. 23/86
 Hole No. M-55 Co. ord. L 28W Horizontal Length 25.0m Date Completed Sept. 25/86
 Claim No. SSM 629345 ~~61987~~ 18+10N Core Size A0 Drilled By Morissette
 Grid No. M-1 Angle & Direction -60° Grid S. Elevation Logged By G. Harder

| INTERVAL FEET/METRES | DESCRIPTION | SAMPLE RECORD | | | | | | | |
|-------------------------|---|---------------|-------|-------|--------|-----|------|-----|-----|
| | | FROM | TO | WIDTH | SAMPLE | g/t | Ag/A | Cu. | Zn. |
| 0-4.27 | CASING | | | | | | | | |
| 4.27-39.08 | FRAGMENTAL TUFF | 4.88 | 5.18 | 0.30 | 6707 | .02 | .5 | | |
| | 4.27-24.31 medium grain subhedral to anhedral felsic fragments in black chloritic matrix, locally sheared; narrow quartz veinlets at 4.88 and 10.06-10.97, 11.73-13.72 (shear) with mn+py-shears at 75° TCA | 8.53 | 8.84 | 0.31 | 6708 | .02 | 1.0 | | |
| | 11.73-18.76 fairly sheared | 10.06 | 10.97 | 0.91 | 6709 | .02 | .5 | | |
| | 18.38-18.76 8% py infilling around coarser stretched clasts | 11.74 | 12.65 | 0.91 | 6710 | .02 | .5 | | |
| | 18.76-24.31 wkly schistose | 12.65 | 13.41 | 0.76 | 6711 | .02 | .5 | | |
| | 24.31-39.08 generally fine grain with a few coarser fragments | 13.41 | 14.33 | 0.92 | 6712 | .02 | 1.0 | | |
| | 25.97-29.87 - 10% qtz veinlets, mn+py | 14.33 | 15.24 | 0.91 | 6713 | .02 | .5 | | |
| | 31.70-32.31 - 2 @ 3 cm qtz veins | 15.24 | 16.15 | 0.91 | 6714 | .02 | .5 | | |
| | 32.31-33.07 - 2 @ 3% f.g. py al. band 70° TCA | 16.15 | 17.07 | 0.92 | 6715 | .02 | .5 | | |
| | 36.88-39.08 - fairly sheared including 38.56-39.01 with 3% py | 17.07 | 17.98 | 0.91 | 6716 | .02 | .5 | | |
| 39.08-40.84 | PORPHYRY Subhedral feldspar, blue qtz eyes, weakly sheared, mn+py | 17.98 | 18.38 | 0.40 | 6717 | .02 | .5 | | |
| | 40.84-42.67 SHEAR ZONE - sheared porphyry?, 3-4% py | 18.38 | 18.75 | 0.37 | 6718 | .02 | 1.0 | | |
| | 42.67-45.72 FRAGMENTAL TUFF - black, generally fine grain, may be flow volcanic | 18.75 | 19.57 | 0.30 | 6719 | .02 | .5 | | |
| | 45.72-48.77 PORPHYRY - sim to 39.08-40.84, wkly sheared 70° TCA, blue qtz eyes | 19.57 | 20.87 | 0.30 | 6720 | .02 | .5 | | |
| | 48.77-49.99 FRAGMENTAL TUFF - f. grain black, may be flow volcanic | 20.87 | 21.79 | 0.46 | 6721 | .02 | .5 | | |
| 49.99 | END OF HOLE | 21.79 | 22.61 | 0.91 | 6722 | .02 | .5 | | |
| | | 22.61 | 23.07 | 0.46 | 6723 | .02 | .5 | | |
| | | 23.07 | 23.80 | 0.92 | 6724 | .02 | .5 | | |
| | | 23.80 | 24.40 | 0.60 | 6725 | .02 | .5 | | |
| | | 24.40 | 24.93 | 0.85 | 6726 | .02 | 1.0 | | |
| | | 24.93 | 25.84 | 0.91 | 6727 | .02 | .5 | | |
| | | 25.84 | 26.76 | 0.92 | 6728 | .02 | 1.0 | | |
| | | 26.76 | 27.67 | 0.91 | 6729 | .02 | .5 | | |
| | | 27.67 | 28.58 | 0.61 | 6730 | .02 | .5 | | |
| | | 28.58 | 29.63 | 0.91 | 6731 | .02 | 1.0 | | |
| | | 29.63 | 30.55 | 0.92 | 6732 | .02 | .5 | | |
| | | 30.55 | 31.46 | 0.91 | 6733 | .02 | 1.0 | | |
| | | 31.46 | 32.31 | 0.31 | 6733 | .02 | 1.0 | | |

Glenn Harder
 Sept 27/86

NO SLUDGE RETURN

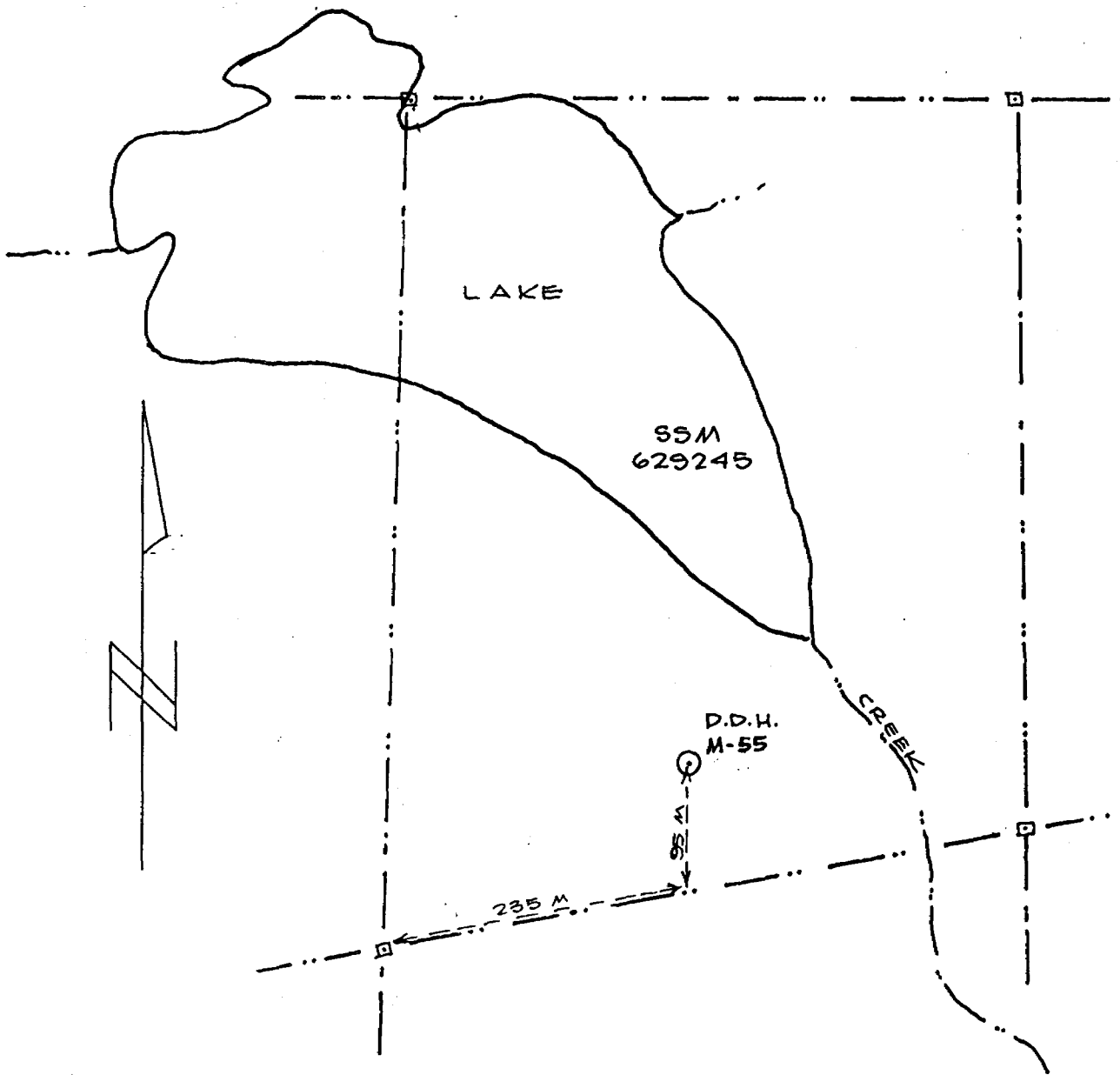


Scale 1:500

Hole M-55
 MISHI OPTION
 L 28W, 18+10N
 CLAIM NO. SSM 601887

Logged by: G. Harder, Sept. 86

GRANGES EXPLORATION LTD



GRANGES EXPLORATION LTD
MISHI PROJECT
DIAMOND DRILL HOLE LOCATION PLAN
SCALE 1:5000
HOLE NO : M-55

W8605 141

#141-86

Mining



42C03NW0012 14 ABBIE LAKE

900

Name and Postal Address of Recorded Holder

MACMILLAN ENERGY CORP., LTD

SUITE 810 - 625 HOWE ST, VAN

Summary of Work Performance and Distribution of Credits

| Total Work Days Cr. claimed <i>1110.5</i> | Mining Claim | | | Work Days Cr. | Mining Claim | | | Work Days Cr. | Mining Claim | | | Work Days Cr. |
|---|--------------|--------|---------------|---------------|--------------|--------|---------------|---------------|--------------|--------|---------------|---------------|
| | Prefix | Number | Work Days Cr. | | Prefix | Number | Work Days Cr. | | Prefix | Number | Work Days Cr. | |
| for Performance of the following work. (Check one only) <input type="checkbox"/> Manual Work <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work. <input type="checkbox"/> Compressed Air, other Power driven or mechanical equip. <input type="checkbox"/> Power Stripping <input checked="" type="checkbox"/> Diamond or other Core drilling <input type="checkbox"/> Land Survey | SSM | 601808 | 40 | SSM | 601854 | 40 | SSM | 601852 | 40 | | | |
| | | 601832 | 40 | | 601876 | 40 | | 601874 | 40 | | | |
| | | 601856 | 40 | | 601897 | 40 | | 601895 | 40 | | | |
| | | 601878 | 30.5 | | 601896 | 40 | | 601894 | 40 | | | |
| | | 601877 | 40 | | 601875 | 40 | | 601873 | 40 | | | |
| | | 601855 | 40 | | 601853 | 40 | | 601851 | 40 | | | |
| | | 601831 | 40 | | 601829 | 40 | | 601850 | 40 | | | |
| | | 601830 | 40 | | 601828 | 40 | | 601872 | 40 | | | |

All the work was performed on Mining Claim(s): SSM 601807, 601798, 601842, 629245, 601801 ^{(200 days), (304.5 days), (246 days), (164 days), (196 days)} SEE ATTACHED

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

DIAMOND DRILLING CARRIED OUT UNDER CONTRACT BY MORISETTE DIAMOND DRILLING LTD, HAILEYBURY, ONTARIO, P0J 1K0. THE HOLES WERE DRILLED WITH BQ EQUIPMENT DURING THE PERIOD OF SEPTEMBER 15th 1986 TO SEPTEMBER 30th 1986

SAULT STE. MARIE MINING DIV. RECEIVED OCT 14 1986 A.M. P.M. 7|8|9|10|11|12|1|2|3|4|5|6|

ONTARIO GEOLOGICAL SURVEY ASSESSMENT FILES RESEARCH OFFICE OCT 29 1986 RECEIVED

Date of Report 10th Oct 1986 Recorded Holder or Agent (Signature) [Signature]

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true. TO FOLLOW

Name and Postal Address of Person Certifying

GEORGE W. ZBITNOFF

400 - 625 HOWE ST, VANCOUVER, B.C.

Date Certified 10th Oct 1986 Certified by (Signature) [Signature]

Table of Information/Attachments Required by the Mining Recorder

| Type of Work | Specific Information per type | Other Information (Common to 2 or more types) | Attachments |
|---|--|---|--|
| Manual Work | Nil | Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment. | Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post. |
| Shaft Sinking, Drifting or other Lateral Work | | | |
| Compressed air, other power driven or mechanical equip. | Type of equipment | Names and addresses of owner or operator together with dates when drilling/stripping done. | Work Sketch (as above) in duplicate |
| Power Stripping | Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording. | | |
| Diamond or other core drilling | Signed core log showing: footage, diameter of core, number and angles of holes. | | |

