MAR 20070008: NORTHWEST

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NORTHWEST ALBERTA PROJECT

Mineral Assessment Report

Metallic and Industrial Minerals Permit Nos. 9397010001 and 9397010002 Permit Holder Alan David Lewis

Submitted by

713803 Alberta Ltd.

April 15, 2007

Table of Contents

	<u>P</u>	age	<u>Tab</u>
Executi	ve Summary		
1.	Introduction	2	1
2.	Lab Scale Mineral Content Analysis	3	2
	2.1 Al Lewis	3	2
	2.2 Discussion of Lewis Analytical Techniques and Results	5	2
	2.3 Loring Laboratories	6	2
3.	Computer Tabulation and Analysis of Test Results	7	3
4.	Discussions with Other Companies	8	4
5.	-Summary of Expenditures - Revoced Apr 1967 Sc	9	5

Attachments

1.1	Figure 1	Location of Permits
2.1.1	Table 2.1	Test Procedures & Values
2.1.2	Figure 2	Location of Ore Samples
2.2.1	Alan Lew	is Test Log Notes (Process)
2.2.2	Alan Lew	is Test Log Notes (Firing)
2.3.1	Loring Te	est Analysis

Executive Summary

Activities of 713803 Alberta Ltd. May 2005 to April 2007

The last mineral assessment report was submitted on December 6, 2006. Since that time the activities of 713803 Alberta Ltd. have been primarily a continuation of testing of ore pretreatment and assay analysis techniques at Mr. Lewis' home-based lab facilities.

Consistent with prior experience, the work performed by Mr. Lewis has not yet established consistent and repeatable analytical techniques to prove the existence and successful extraction of commercial quantities of precious metals. However, compared to prior reporting periods, there was a significant increase in the proportion of Mr. Lewis' tests (13 of 56) which did indicate potentially commercial (greater than 0.1 OPT) results.

713803 Alberta Ltd. has maintained contact with other companies or individuals who are pursuing similar efforts to extract precious metals from similar ores to determine if any joint efforts are feasible. These discussions have not led to any joint ventures at this time.

1.0 Introduction

713803 Alberta Ltd. was incorporated in 1996 for the purpose of pursuing exploration and development of potential precious metal bearing properties in northwestern Alberta including the properties that are the subject of this report held under metallic and industrial minerals permit #9397010002 and #9397010001 in the name of Alan David Lewis, a shareholder of 713803 Alberta Ltd. (see Figure 1 showing mineral permit location which is included as Attachment 1.1).

Previous Mineral Assessment Reports have been filed on May 14, 1999, May 17, 2001, May 12, 2003 and December 6, 2006. This report describes the further work conducted in the period from May 2005 to April 2007 which has consisted almost entirely of continuing lab analysis by Alan Lewis in his home based facilities supported by one external commercial lab analysis.

Contact has been maintained with Birch Mountain Resources Ltd. to determine if there was interest in pursuing any exploration/analysis work on the subject permit lands or sample ores. Discussions have also been initiated with another individual who has obtained very promising results on tests of ores similar to those ores obtained from the 713803 Alberta Ltd. lands.

These various activities will be described in more detail in the following sections of the Report.



2. Lab Scale Mineral Content Analysis

Lab scale analyses were conducted by:

- Al Lewis (56 tests in total) at his home lab
- Loring Laboratories Ltd.

Each of these series of tests will be described below.

2.1 Al Lewis

A detailed review of the qualifications, experience and laboratory facilities utilized by Mr. Lewis were provided in the December 6, 2006 assessment report. Given the limited time between that report and the present report, there is no additional information to report.

A chronological summary of all tests conducted by Al Lewis from April 18th of 2005 to March 28th, 2007 is shown on Table 2.1 entitled "Test Procedures and Values", included as Attachment 2.1.1. Column 1 shows the period of time over which the test was conducted and Column 2 provides the test number.

Column 3 shows the type and source of all of the ore tested and the size of the sample used in the test in terms of the number of assay tons. Of the 56 tests, all came from locations within the Lewis permit lands as shown on Figure 2, included as Attachment 2.1.2.

No further geological assessment of the Lewis permit lands has been conducted beyond that originally included in the May14, 1999 Assessment Report and included again in the December 6, 2006 Assessment Report.

Column 4 describes the pre treatment and/or leaching agent used to extract precious metals.

Column 5, entitled "Value", provides the results obtained. Where the bead obtained from a specific test has been analyzed for precious metal content by an external laboratory, the results obtained from the external laboratory are provided. The name and test file number from the external laboratory are provided in Column 6. In those instances where no external analysis has been done the value stated is that measured by Al Lewis. The values stated will be the milligram weight of the bead obtained and that milligram weight converted to a weight of precious metal (in fractions of an ounce) per ton of raw head ore (OPT). This conversion of bead weight to precious metal concentration is achieved by dividing the bead weight by the number of assay tons in the sample that was analyzed.

An assay ton (A.T.) is defined as follows:

1 ton of ore (2000 lbs.) avoirdupois weighs 29166 troy oz.

1 assay ton (A.T.) weighs 29.166 grams.

Therefore, if the 'assay ton' yields 1 mg. of precious metal, it follows that the 2000 lb. ton of ore has a yield of 1 troy oz. per ton of ore.

Finally, column 7 shows the hours of work performed by Mr. Lewis in conducting the test.

2.2 Discussion of Lewis Analytical Techniques and Results

As discussed in previous assessment reports (May 14, 1999, May 17, 2001, May 12, 2003, and December 6, 2006, 713803 Alberta Ltd. continues to face the challenge of developing and establishing a reliable and repeatable sample pretreatment and leaching techniques to remove and capture the precious metal content from the ore sample. Accordingly, the test analyses reported in the Table 2.1 entitled "Test Procedures and Values" in this assessment report note in Column 3, the various pretreatment and leaching and processes that were used.

The pretreatment agents included:

H2SO4 (sulfuric acid) NaOH (Sodium hydroxide) HN03 (nitric acid)

Differing concentrations and proportions of these pretreatment agents were used in the various tests.

Once a sample was pretreated, different leaching agents were utilized to extract the precious metals from the ore samples. These leaching agents included:

HCl (three parts) and HNO3 (one part) (known as Aqua Regia) NaCl (common salt) NaBr (sodium bromide) KI (potassium iodide)

Again, different concentrations of leaching agents realized in various tests. These varying concentrations of leaching agents resulted in differing levels of PH (acid – alkalinity balance) and differing levels of ORP (oxidation reduction potential).

The leached solution was then precipitated and dried. The dried precipitates were then fired in a conventional fire assay and the resulting bead weighed. In certain instances as noted in the table the bead precious metal content was analyzed by an external lab (Loring) to provide independent confirmation of the results that Lewis was achieving.

The specific concentrations of agents used in the various analyses are not reported in Table 2.1. This is based on the anticipation of 713803 Alberta Ltd. that once repeatable techniques are established that they would provide proprietary analytical knowledge which could be the basis of patent applications.

However, in order to provide the maximum amount of information, copies of Mr. Lewis' laboratory log notes covering the processes used Lewis test nos.831 to 886 (redacted to exclude sensitive information) are provided as Attachment 2.2.1. Similarly, log notes (Attachment 2.2.2) are provided to describe the information that was recorded for the firing process of each test.

As compared to the previous assessment reports (December 6, 2006) a similar number of tests has been performed by Mr. Lewis; however, compared to the December 6, 2006 report, there were more of the Lewis tests which produced encouraging results. In particular, in the period from November 30, 2005 through to February 15, 2006 (tests no. 846 to 858) eleven of the thirteen tests produced favorable results. Unfortunately in the remaining tests (859 to 886) these favorable results could not be repeated, but the series of favorable results do provide encouragement to continue our efforts to ultimately develop a repeatable and commercially viable extraction process.

2.3. Loring Laboratories

A test was conducted by Loring to analyze the precious metal content of the bead obtained from test no. 858 conducted by Al Lewis. This test did confirm the significant level of gold being obtained in the previous series of successful Lewis tests. Had a further series of successful Lewis tests been obtained in the series of tests from no. 859 to 886, more confirmation tests would have been done by Loring.

The Loring test report is included as Attachment 2.3.1.

3.0 Computer Tabulation and Analysis of Test Results

Dr. Walter Haessel, a shareholder and director of 713803 Alberta Ltd. who had conducted some preliminary work in assembling data as reported in the December 6, 2006 report, did not conduct any further work in the may, 2005 to April, 2007 period but expects to resume his work in the near future.

4.0 Discussions with Other Companies / Individuals

Contact has also been maintained with Birch Mountain Ltd. who is a public company that has been active for several years in pursuing Alberta gold and platinum prospects. Birch Mountain Resources Ltd. continues to concentrate their efforts on limestone quarry operations to serve the aggregate and quicklime requirements of the Ft. McMurray oil sands industry. They have no current plans to resume their precious metals project.

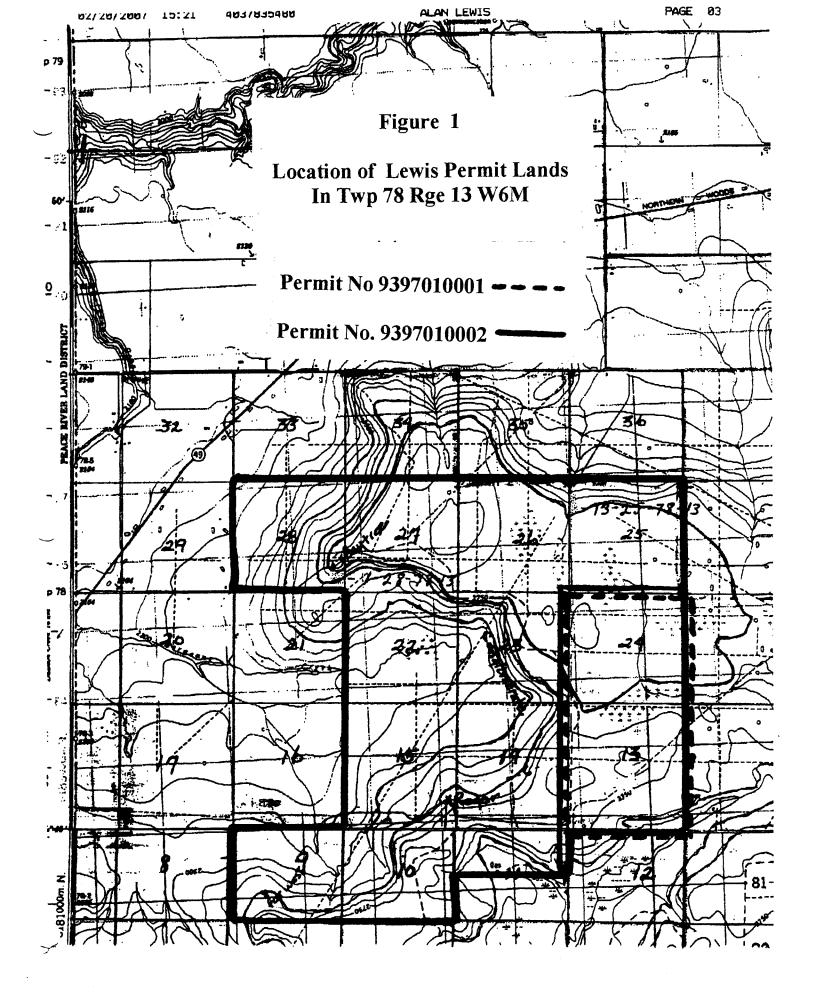
713803 Alberta Ltd. will maintain contact with Birch Mountain Ltd.

713803 Alberta Ltd. has located an individual analyst who has developed an analytical process which we understand has produced very favorable results on ores similar to those contained in the 713803 Alberta Ltd. lands. We intend to pursue more detailed discussions with this individual to make arrangements for testing of our ores.



ATTACHMENT 1.1

Location of Permit Lands



ATTACHMENT 2.1.1

Test Procedures and Values

(1)	(2)	(3)	(4)	(5)	(6)	(7)
DATE	TEST	ORE	PROCESS	VALUE	EXT. LAB	HOURS
Apr. 18-21/05	#831	Roger 5 A.T.	Aqua Regia	.03 OPT Au.		17 hrs.
Арг. 29-Мау 3/05	#832	Roger 5 A.T.	Aqua Regia	.05 OPT Au.		25 hrs.
May 11-17/05	#833	Roger 5 A.T.	NaBr.	.10 OPT Au.		37 hrs.
May 23-26/05	#834	Cong. 5 A.T.	NaBr.	.02 OPT Au.		25 hrs.
Jun. 3-5/05	#835	Roger 5 A.T.	Aqua Regia	.03 OPT Au.		4 hrs.
Jun. 7-11/05	#836	Roger 7 A.T.	Aqua Regia	.03 OPT Au.	<u> </u>	14 hrs.
Jun. 17-24/05	#837	Cong. 2 A.T.	Aqua Regia	trace Au.		34 hrs.
Jun. 22-23/05	#838	Cong. 2 A.T.	NaBr.	trace Au.		6 hrs.
Jul. 6-11/05	#839	Cong. 5 A.T.	Chloride	.03 OPT Au.		22 hrs.
Jul. 17-22/05	#840	Cong. 5 A.T.	HNO3/Chloride	.25 OPT Au., Ag & PGM's		17 hrs.
Jul. 29-Aug. 6/05	#841	Far West 5 A.T.	NaBr.	.03 OPT Au.		27 hrs.
Aug. 15-20/05	#842	Far West 15 A.T.	HNO3/Chloride	trace Au.		26 hrs.
Aug. 30 - Sep. 7/05	#843	Far West 7.5 A.T.	Aqua Regia	.02 OPT Au.		20 hrs.
Oct. 17 - 22/05	#844	Roger 2.5 A.T.	Aqua Regia	trace Au.	·····	23 hrs.
Nov. 2-5/05	#845	Roger 10 A.T.	NaBr. / Kl	trace Au.		25 hrs.
Nov. 28-30/05	#846	Roger 1 A.T.	H2S04 - pre treat. Aqua Regia	.49 OPT Au.		12 hrs.
Oct. 17 - 22/05	#844	Roger 2.5 A.T.	Aqua Regia	trace Au.		23 hrs.

TABLE 2.1 TEST PROCEDURES & VALUES

(1)	(2)	(3)	(4)	(5)	(6)	(7)
DATE	TEST	ORE	PROCESS	VALUE	EXT. LAB	HOURS
Nov. 2-5/05	#845	Roger 10 A.T.	NaBr. / Kl	trace Au.		25 hrs.
Nov. 28-30/05	#846	Roger 1 A.T.	H2S04 - pre treat. Aqua Regia	.49 OPT Au.		12 hrs.
Dec. 1-10/05	#847	Roger 2 A.T.	H2S04 - pre treat. Aqua Regia	more than .17 OPT Au.		27 hrs.
Dec. 14-16/05	#848	Roger 1 A.T.	H2S04 - pre treat. Aqua Regia	.33 OPT Au.		12 hrs.
Dec. 22-24/05	#849	Cong. 1.5 A.T.	H2S04 - pre treat. Aqua Regia	.35 OPT Au.		8 hrs.
Jan. 1-3/06	#850	Cong. 1.5 A.T.	H2S04 - pre treat. Aqua Regia	.27 OPT Au.	;	13 hrs.
Jan. 6-8/06	#851	Cong. 1 A.T.	Aqua Regia	.23 OPT Au.		11 hrs.
Jan. 13-16/06	#852	Cong. 1.5 A.T.	Aqua Regia	.11 OPT Au.		9 hrs.
Jan. 17-19/06	#853	Cong. 1.5 A.T.	H2S04 - pre treat. Aqua Regia	0		8 hrs.
Jan. 20-23/06	#854	Cong. 1.5 A.T.	H2S04 - pre treat. Aqua Regia	.10 OPT Au.		7 hrs.
Jan. 24-27/06	#855	Roger 1.5 A.T.	H2S04 - pre treat. Aqua Regia	.16 OPT Au.		14 hrs.
Jan. 29-Feb. 2/06	#856	Roger 1.5 A.T.	Aqua Regia	.17 OPT Au.		15 hrs.
Feb. 3-5/06	#857	Roger 1.5 A.T.	Aqua Regia	Lost		15 hrs.
Feb. 13-15/06	#858	Roger 1 A.T.	H2S04 - pre treat.	.26 OPT Au.	Loring .26 oz. per ton Au.	9 hrs. 9 hrs.
Feb. 26-28/06	#859	Roger 1 A.T.	H2S04 - pre treat. NaBr / Kl	.03 OPT Au.		16 hrs.

(1)	(2)	(3)	(4)	(5)	(6)	(7)
DATE	TEST	ORE	PROCESS	VALUE	EXT. LAB	HOURS
Mar. 1-3/06	#860	Roger 1 A.T.	H2S04 - pre treat. NaBr / Kl	trace Au.		15 hrs.
Mar. 9-11/06	#861	Roger 1 A.T.	H2S04 - pre treat. NaBr / Kl	.02 OPT Au.		11 hrs.
Mar. 15-19/06	#862	Roger 1 A.T.	H2S04 - pre treat. NaBr / Kl	.04 OPT Au.		15 hrs.
Mar. 25-27/06	#863	Roger 1 A.T.	NaBr	.05 OPT Au.		17 hrs.
Mar. 29-31/06	#864	Roger 2 A.T.	H2S04 - pre treat. NaBr	0		12 hrs.
Apr. 2-5/06	#865	Cong. 2 A.T.	H2S04 - pre treat. NaBr / Kl	0		19 hrs.
Apr. 12-15/06	#866	Cong. 1.5 A.T.	H2S04 - pre treat. NaBr / Ki	.06 OPT Au.		14 hrs
Apr. 20-22/06	#867	Far West 4 A.T.	Aqua Regia	.06 OPT Au.		12 hrs
May 1-4/06	#868	Far West 2 A.T.	NaBr / Kl	0		19 hrs
Aug. 12-14/06	#869	Roger 3 A.T.	NaBr / Kl	trace Au.		22 hrs
Aug. 20-26/06	#870	Roger 5 A.T.	H2S04 - pre treat. Aqua Regia	trace Au.		31 hrs
Sep. 21-24/06	#871	Roger 1.5 A.T.	H2S04 - pre treat. Aqua Regia	trace Au.		19 hrs
Sep. 25-27/06	#872	Cong. 2 A.T.	H2S04 - pre treat. Aqua Regia	trace Au.		12 hrs
Oct. 2-7/06	#873	Roger 3 A.T.	H2S04 - pre treat. Aqua Regia	.03 OPT Au.		17 hrs
Oct. 9-15/06	#874	Far West 3 A.T.	NaBr / Kl	.05 OPT Au.		20 hrs
Oct. 28 - Nov. 6/06	#876	Cong. 3 A.T.	HNO3 pre treat.	trace Au.		21 hr
Nov. 16-20/06	#877	Roger 3 A.T.	pre treat oven 1000 degree Fx36hrs NaBr / Kl	.03 OPT Aug.		15 hr

(1)	(2)	(3)	(4)	(5)	(6)	(7)
DATE	TEST	ORE	PROCESS	VALUE	EXT. LAB	HOURS
Dec. <u>31 - Jan. 7/07</u>	#878	Roger 4 A.T.	HNO3 / Chloride	0		24 hrs.
Jan. 8-11/07	#879	Roger 1 A.T.	Aqua Regia	.04 OPT Au.		12 hrs.
Jan. 9-10/07	#880	Cong. 2 A.T.	Aqua Regia	trace Au.		11 hrs.
Jan.22-24/07	#881	Cong. 1.5 A.T.	NaBr / Kl	Lost		6 hrs.
Jan. 24-29/07	#882	Cong. 2 A.T.	Roasted -1500 deg. F NaBr / Kl	.05 OPT Au.		19 hrs.
Feb. 5-8/07	#883	Cong. 2 A.T.	H2S04 - pre treat. Aqua Regia	trace Au.		16 hrs.
Mar. 10-13/07	#884	Baytree 1 A.T.	H2S04 - pre treat. Aqua Regia	.03 OPT Au.		14 hrs.
Mar. 15-20/07	#885	Baytree 1 1/2A.T.	H2S04 - pre treat. Aqua Regia	.08 OPT Au.		15 hrs.
Mar. 24-28/07	#886	Baytree 1 1/2A.T.	H2S04 - pre treat. Aqua Regia	.05 OPT Au.		15 hrs.

Notes re: source of Ore Samples from areas other than Lewis permit lands

All ore samples from other locations are from locations where ore has similar characterisitics to ore on Lewis permit lands

Note 1: Samples are from the vicinity of gas well and plantsite in Section 26 Twp 79 Rge 9 W6M

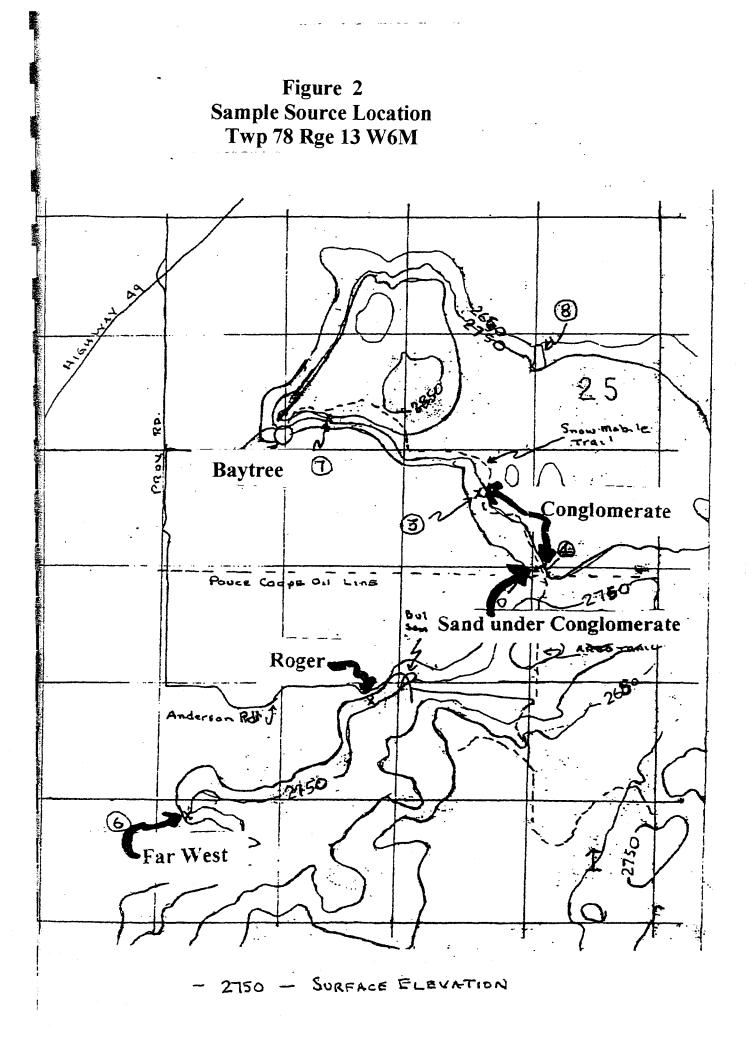
Note 2: Samples are from outcrops along Chinchaga River ,160 km N.W.of Hinton, near Alta/B.C border

Note 3: Samples are from a location 7km southwest of Dawson Creek

Note 4: Samples are from Worsley area, 95 km northeast of Baytree along Highway 49

ATTACHMENT 2.1.2

Sample Source Location



ATTACHMENT 2.2.1

Alan Lewis Test Log Notes (Process)

Thorday April 18/05 Just # 831 (Roger 5AT) Som nickel dissolved in Good Regio 200 Zel HN Og 150 ml H2 O S:30 Statel leack These. 10:10 Stopped 2:00 Startal 7100 Stopped 5 hos. 11:00 Statel PH 2.2 nervery sitrade Totel 17 hrs. Put. · 03 og per ten au.

Evily Official \$ 9 /05 Tent # 832 (5AT Roger) 600 jul Hel 1 perso 200 hel HNO3 10020 H20 11:00 stuck time - leade 2 per. 1:00 Ceded 300 HE 16 100 HND; PH -004 3:45 Stopped leach 434 hur., put on hot plate all night - musi, May 1 added poome Unes. He Oft to 1. 3 PH from - 0.5 . CRP360 17:00 Stock 8:00 topped at 8:30 Statel. 18 Am (topedo 8 pm Zine percip 1000 ml of liquid, added Dicarbonate to Att 7.2 added 2 ty Zine, pict on hat slet and left it too long hat had got to 200+ F. Put it on gridle added Ha SON (15 hel to 250 welt of 0) to ligand until AH ma at 5.8 from 9.8 5 fre. alled HaSOF To 1.9 PH Descripted Typens of residue got 2 beache . 07 mgr. each 2.30 Fish 1000 ml gliquid, added 3 tep ha Hydraffite at 135°F. Puton tot gridb to privite to siqued was PH 2 after added 3 tepso PH 23.5 5:00 added another top of the Hypersonaffite PH 369, 105 F Fine Let Cruce. Total 25 pra AZ A . 05 gt.au.

Wed. may 11/05 Level \$33 (SATRoger) added Hy SOH 1 to 20 H20 (-01) Eindeted for 4 for at 135° F, added 5 ml H2 SC in 32 for PH was down to O.l, want in to-01 Put both contains to -0.2PH on guiddle or inglet 5 hres Thank g 1250 El H20 150 gin hebr 9 Ty Bie - D PH 206, ORP 720 12:45 Injecting air 12 hr. Fri. 10:45 Stated. Pko 202 Stopped in 1.25 fres. ORP ment to 6.5-7 2 fre-12:30 - adde HEI to 1.6 PH Styned 1:45 (14 her) c. Condplate Edded restricte 4 topt to liquid ofter using Bilow. lawing it to PH 6.8. 2 hrs. Sen. Weighed off & of residue +7 guns put in one on stanlar 15th Hills Startel. monolay 9:00 Started 1.30 2:00 1.30 Stoped 7:00 10.14. Total 37 hrs. Total , 50 migs after parting a 10 og putanten.

"heg 23/05 Jeat # 834 (SAT Eng.) 1250 mil Hiz O 120 Region hear. 1:15 Statel locale tem 135°F Stephed at 9:15 (8 line total ORP 880) 8 hr. Seton griddlo all night, third off in morning Ture Juca. 1:30 Stutel T:cc Styped ORPwent to 700. added HEIPH 1.0 6 pre. alded the 9:00 Steptil Mit.9, CRP 7202 Ym Nel. 10:00 Stall 4:00 styper (6 has tetel) 6 hrs. There added 4 top no me with the withit left to and until let morning . Daid liquid off & dryed wide Added 2 top Zince to remaining liquid . FA 6.2 2 firs. (Poor Showing) total 25 his. · 02 of porton all.

June 3/05 Test # 835 (5ATRager) 850 ml H2 0 200 ml Hz SON 1 fro Ciralité 14-06 Start time 2:00 3 fre. Janday June 6/05 11:30 Stalle leach HAT Ore from 836 (H2 SON Ito 4 treated) 600 mil HCI 200 mil HNOS 200 ml H2 O from formation . 12:00 - Heat 135° F, ORP 952, PH-0, 4 The Dio-Doo for. 30 ORP 845 addet & cores all night. Stoppel 82 hrs. let ait all night. added ha ott and 700 http OH to PHT, added Zinc and let precipitite. 10.hrs. 1:30 ORP 845 wolder 2 level ty Bis DORP905 12:00 Bi Put pricing on hat plate & dired, then in one to 148 qua (139 after a) 1700°F. 14.8 qua (139 after a) 1700°F.

· 03 of porton all Total

Y Friday June 17/05 Jeat # \$397 (Roger T AT) 10:00 Started treatment 1000 ml. H20 lhr. 250 mel H2 SOH Circulated at 135-150°F 8:00 Stoppel H2 SOA Trechmont Thu Junly 6-19 105 Permedoff 4 grand TAT that had been tradd with Hy SO4 after H2 SOH, 210 gree storuch to 165 gree (21%) I head or A.T. in now 23.57 grove 4h Hhre. Sate June 22 2:00 Statel leaching, One SAT of the original TAT 450 ml HE9 150 HNO3 200 H2 0 Allel 1502 HCL SOBIL HNOS 10:00 Styped liade 8 hor total, at 138-152°F 8 bores Than-23 1:00 Started stopped in 2 Mrs. 2 hrs. 8:30 Started 4845 Lowar Stopped 3:30 Thet. added I ty Time and let precip. Drived off water bet. and set to dry on fit plate Dry matter weighed 146 gran, pat in over 201700F 10HT. matter sprench to 116 gran. Freeted 116 gran with 20til, H2 504 shrunk to 54 gene. (over on faing page) trace au.

Sat. June2/05 Test \$38 Conglomerate 2AT) 1000 ml H20 hout to RH # 8-5 to 9.5. 120 mm le pr. trace all. 35 gim KI Leachel for 5 her at 130°F (16°F for 1 hrist first) teached on horis side 8.5 to 9.5 FH Pre tradel with the Ott for 3 hrs at 180°F. (Itomed combad Wed July 6/05 Jact # 839 5 A Tcongloment # 1750 ml H2D-100% Selt" HNOZ 117 ml 15 to 1 3 hrs. 5:45 statel leade 1500 ml liquid (400 to beadded) Coldel 2 typ Bio-D Stoppel in H.S. hrs. 5.frs. 5 fra. Stalel 4 par. 10:00 Frie 2:45 Started in 24 Are. Stypel in \$ 20 fra. 10 fes. · O 3 g portor all. 28 28 hrs.

lendy- July 17/05 Leat # 840 Conglomerate, 5A 1500 mil H2 0 1 hora. 250 ml falt 120 Aul HNO3 2 top Die D 3:45 Startel lead.

7:00 Strand. "added 150 ml latt water 15 ml HNO3 2 typ BionD

7:00 stertal 10:00 Stopped Juselin -11:00

Thursday H:30 state

it surpertal will peris . punge (PH 4.5) and ange borley : on gill

Didn't ene seid to take won out _6 hrs.

I my for 4 AT, including took.

· 250 pt. augly + 1 & mis

5 hrs.

5 fora.

July 29/05 Junt # 841 For West 5 A.T. 120 gim De Br 30 gras KI 1 hod 1500 ml H2D Retital at 135° F 1:30 Started leads 1:30 Starter 2:30 alled 1 the this D (PH 9.5 3:30 addid 5230 - PH 4.7 willer he OH to the HIL PH Paton lat plete all might for. 8:30 Stagged Att 11.2 Set July 30 Sephand of liquid, put rest through filtre PHII. 10:00 States Juse - drained liquid off sailas to deg on hat plate Alter dydy poly HET al 1200°F. O Fook 300 ml of liquid allel to PH 5... will Zierce. 4 hs Stepped. B-Fut rest of liquid 1400 md, added Zience PH11, ofthe an for plan to add the 1 to 5.5 Wed-Divine water off of Tim precipe and put to dry at low heat on hat plate. 3 fire. Thurse Put à of Zine residue (43 gms) in electionen at 1750F. Skrunk to 25 gms 3. fre. Scoified above in elect o furnace 03 og putonter. Total 27/

aug 15/05 Jact # 842 Far West 15AT Most 1:00 Started wet rod mill 15 A.T., 1500 mlH2D. Stopped in 3 hre. (estremely fine) alug. 16 3 pras 120 Stablack 3000 Jul Hz C 250 HNO3 15ATore PH.03 Set-600 ml salt 8 fre. 12:00 ag 20 - Shited. Stopel 4 hrs. 4 hr. 6:00 stall elect SI:45 State 3 fise . 8:15 PM startel trace a Styped 10:00 AM BOOPHsterld. 8 la. leng 30/05 Jer 843 (3 of 15 AToriginel 842) 4:00 Started leach 600 ml HE1, 200 ml HNO3, 300ml H2D Jenn. 185°F PH.02 4 france. Set 1/05 75 fre (PHI. 7 start 1.3 stge) 1:00 Started 8 hrs. Sext 7 -11:00 Starth Stypel in 8 ftre. . 02 opt au

how. Oct 17/05 Jest # 844 Royer 2.5 AT Relations Ose 2. 5ATo 1 pris 300 metta 0 60072lHE1 2:45 Stort leade 135°F Esculater . 6:30 Stopped parton hot slate tillmorning. 4 fran. \$ 2:00 Startal 4:00 Stapped the. 7:00 Stopped 3 fras Thursday 10:00 Startal PH1.5 8:30 Stapped 7 pre. 10:15 Sticked 7:00 Stopped Idre. trace all

]]

12 Uled. 162 2/05 Fert # 845 250 grow Nath. 50 grow. K I 2500 ml H2 O Out of Barrel "10 A7 Rogen 1pr. 11:15 Started leads Att 7.2 Edded 3 by typ Der-P 150°F Stoppeline 8 fice. 8 fure. mont 11:00 Stale. -toget in 2 hes. 2 hrs. 3:00 2:00 Stockel 5 pre. Thra. PH 1.3 trace of an.

June 1200- 28/05 Juit # 846 IAT (Reger fine) H9 og au porton 10:15 - Stastal 250 hill H 20, 50 2 CH2 SC4, 135°F Steppelin 2hrs. Dilutel liceste 6.5 PH. & dreed 2 hr. 10:30 Stated lock affer Riger 3 HE (Gen hatel) 1 HNO2 Samp 135 F 1348 for to 071100 (.49 mgs au weighed) Show Shre. Dec 7/05 Feat # 847 2AT Roger 750 mett 20, 150 me Hason 135° F. PH-10 12:30 added Hascy after 30 minute - 06 AH back to FH - 00 agitated for 3 his this pat on hot plate to settle PH atellon -10 5 fre. Orient liquid off addel we to twice, got to PHI addel 2 top Di Cert.", diedo Ondel up with 2 sayal of 28 grove early. thre. 4:00 Started lack 380 hd HEI 120 HNC3, in aschagele 6 pro. Sort porto both through cradin in more those - 17 og per tonau Total 27 hrs

Wed Dec. 14/05 Lent # 848 (IAT Rogafane) 2:00 2507 kl H. O SOML H2 SO4 135°F Stopped in 4 hrs, added more and in The. 4 fre. 10:30 Started leade 300HEL, 100 HNO3, 50 miltaD. ": 30 Itated miter on hot plate 6:00 Stepped and part to set till morning Spr. . 33 youper ton & 235 per ton @ 71100 the fire. Dec. 22/05 Junt 4849 12 AT Comp. Fine 1:30 Stertof 300 ml H 2 0 100 ml H2 SON 3 hrs. 10:00 Startal lack 300 ml HEI 100-ml HNO3 P Jon 1/06 Fent # 850 12 AT Cong Fine Sectul H20 - 100 Tul H. SCH 135-150° FUller 200 Jon 3/06 what Coleache 300 200 HC1, 10020 CHNO; 2:40 ORP 1018 Cellel 1 tap Ber D, CRP 1020 PH 1.3 HIGO CULLEd SCILL HNOy, TO WCHCI, Ity Der DORPIOSS, PHELO Fit topped circulation, ORP 1030 PH FE 5 frs. Liphined liquid offer, filtrid resident & worked dorers a Evaporated in pyres to PH 08. This pertine stainlows alle the work was & borlie off 2 waters 4/14 4hr .41 migs the 13 194 parton @ 71100 - 27 og pr ton all.

Fii. Jan 6/06 Fort \$ 851 INT Cong. Fine " Caperimental, nor Ho SOM 300 Zel HC1 163 matmont @ TII an ico me HNOZ 9:00 State lead 10:00 ORPIAHI PH(offace(e) Temp 125°F 23 mge du Thre 4:00 Stopped level ORP 1044 pHF-19 1002 4/06 10:00 Stacted wet gunder 15 AT 2:45 - HOCTAL HZO 1952 HI SON 11:00 Started leget HOCTAL HCI 12026. HNO3 in 11:30 CRP 1049 Time 1530 Parting 1:70 CPP 1055 teng 1530 F PH E12 2:30 Stopped usentier ONPIOEI, PH FI-2 Tenze TSOEF Jon 13/06 # 852 Wet Grind Cong. 1.5 AT 2:30 Storteleast 400 HCI, 125 HNOZ @ 711 Cond 5:30 Ridel 300 HCI, 100 HNOH Grouplet it up to least Maplice Tobard agains againe She .16 mga ada 7:30 ORP 1074 PH. F.1.2 time 138 FD mying to dent Sper 3:45 Startal 300H20, 100 H2 SO4 1.5 A.T. Comp Fine 2:00 Statal leach 100 HNO3 300 HC1 Long Fine 2:00 Statal leach 100 HNO3 300 HC1 Long . 150°F 3:45 OPP 1070 That Hy SOH fills on gill, burnd black. maybe thatled to a (no show in the firing) 5fre

Fri. Jun 20/06 "Tat # 8 54, 1. 5AT That Sind Come" 10:00 Stocket treatment 300H20, 100H2SP4, 135-150°F Odded H2O at 12:30 no anthing 3 hrs. 1:15 Stoppol att put on gickle to settle PH Fell :10 apprton Dried to dust # 1100 prton @ 71100 -15 mpc de 4 hrs. Jan 24/06 Lest # 855 Rager Fine" 1.5 A.T. 2:00 Hy SOH 100 ml, 300 2 H 20 150° F, milid standy 5:00 Styped and part on grille to settle HNC, (circulated) 10:00 Storted level 400 W HEI - 1.25 2 H HNC, (circulated) 10:30 145°F ORPIOLS, PH offacele added level tip tio D ORP1085 11:30 135°F ORP 1106 3:15 stoppel leade 5the ORP 1119, Rolded 150 ml H20, 000-ORProse to 1130 - 5 fire.

#2 11:00 Started in for the set 135 CF 2 fra Hihr. At may to a 1 Full putan @ 711 End.

IT 11:00 300 had H20 300 hel HEL temp 135"F 3 pra. 2:00 Stoppel and seit to settle . 5:30 Statel leade 300HCI, 100HNO3 1350F 4 for. 9:00 stopped lack ORPINIA PHIOS! Added NH, DH PH-1.5 allol Zim PH 6, let printele at 135°F for texperited added HCI to PHI, after 1 fre. filted off reided. Experited liquid, ended up 5 hr with more than a completel for Gibne with air 1 3 secrifying disks at annielled for Gibne with air 1 at 1200°F. 3free Rexular strunk to 10 grune. 170pt an 25 and 12 = 170 pt Fri-Feb. 3/06 Lest # 857 1.5AT Ages Fine 3 pres 2:00 500 ml. H20 Some HNO3 - 1350 F 10:15 Started leade 400 me HEL, 125 me HNOz, 135-150°F 5:50 Steppel, let set crowight No Cl & HNC, 10340 No Cl & HNC, 10340 1:12 har 10 6 With H2 C Lost 4 fere. 3 fire. Lost 15 fes,

	Loring Laboratories Ltd. S29 Besvendam Road, NE Calgery Alberta Tel: (403)274-2777 Fac: (403)275-0541 e-mail adress : loringlabs@telus.net
	FAX COVERING LETTER
	DATE: 2006 - 02 - 2-4 PAGES:
2	ATTN: ALAN LOWIS FROM: GARLY
	COMPANY : FAX # :
	NECRAOF
	MESSAGE :
	Alan
	Cold Catat
	- Contraction of
Ter	t bead in beaker in
H	858
1	0.260 mg #18500 Pml.
	perton.
	1.26 ozar an ton 1
	the stary
	IF YOU HAVE NOT RECEIVED ALL PAGES, PLEASE CONTACT :
1	
	TEL : (403) 274-2777 FAX : (403) 275-0541

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Lent \$ \$ 58 1AT Regen Fine. Fel. 13/06 Pre Treatment Ha SON & H2 C, 5 to Par H2 SO4 3/1000 1200. Leach 100 gune hater 20 gune HI fing . 260 gape 1000 Tal Ha O June 135-148°F 6 Dir-D 2 the The ORP 858 PH 2.5 - Ibgenton 1:15 Hild care distilled mate, down spart Zof on meleo H:15 Added ZA typ Bio - D. OPP rone from 76 5 to 835 6:00 Codded 15 grm. KI, added HEI, PH par 3.5 to 2.2 7:00 Stappel Wack ORP689 PH 04 The. Fel: 26/06 Jent # 859 1 AT Regen Fine Len Stappel H. SCy tere time 5 tol 10H C. 3 welle C:2 - 0,6 the 11:00 Started level 100 hope (BCK) tog 135 7:00 Stoppel, liquid was marly gone 8 pm jla. added Z ince to residue trucid , after the added HEI to 1.6 PH from 6.5 3hrs. 03,0pt au Total 16 fort

husellot Test \$ 860 Reger Fine 1AT 12:30 H2 Soy tweldowt 5 to 1 H2 O 3:30 Stoppel agettion 10:30 Stand leach 100 No Kr 20 KI 750 22H2O 3:30 Stopped leach The Kr Ko KI 750 22H2O 3:30 Stopped leach Traceal 3hrs. Spix. trace all alled Zine Guest it to 4.5, then cheel. Afric. Pat motive Cin 4 secrifying die hen & diel to deal and 2000 march 7/06 Jat #861 Roger Fine 1A.T. 10:40 Stoeld H2 SOH 5 to 1 H20 treatment 135-150 f 2:00 Styped in 3 2 here. 4pr. 1:00 Street in 3 2 here. 10:00 Statel leach 100 rater 20 KI, 750 ml H2 O 10:45 PH 1.0 time 150°F 11:20 I the Bio D' Cafled 150 R Custor lock to 750 mlon pyron 11:20 Allel 2 tipe Bio D' ORP 860 from H 80 H Chailes 2 3:48 ORP 840, Adles 2 tipe Bio-D, ORP wint to 892 I hore. Mining 15/06 Fast # 862 (Roger Fine) / A.T. Hi 304 treatent for 3 he at 135°-150° F, 165H20 250 Started leach 100 Grave robe 20gue: K I 750 Rel H2 O tage 135° F Rio D'- the 2 tag added HOC Colled Sig-D of 3 level tage, the ORP another 7H - 2.4 Tisi Celded 2 level tag Bio-D, ORP wast from 750 to 905 wild HEI. Ity, PH3.9 to 2.2. 10:00 Stopped Shin ORP 824, PH 3.1 PH 3.9 to 2.2 7 200 Stopped Shine ORP 824, PH 3.1 8 S.kst. Zine 2.8 Sunday added ourrenia PH to S. 7 Sta Ha Afra.

21 much 25/06 ,1 Fat# 863 Regiz Fine 1 Act. Roger 750 ml Had 50 grom no Be 1.hr. 2 11 1 20 " " 711 Totel leade Time Thre. 9 pre. added 3 hering the me intrite to precipile go il Lighted with off o died residue. 3 hrs. Then weed Zino on all liquid brained of I dived (Thelthe SOM 16 to 1 up to PH2) ruibles 4 fre Fired them . He nitrile # 2 05,0ptain Total "Track 28/06 Juit # 864 Roger Fine" 2AT 5:30 H2 SON treatment 100 ml H2 SON 1000 ml H20 PHEC 9:30 Stopped treatment 4 free Totel PH -DG Dero Hhr 1100 Statel lack ORP 912, PH 6 taugt 135 E 8hr Geril 2/06 Lent # 865 "Cong Fine" 2 AT 4:00 Startel H2 Son 100 ml, H201000 pl. 5hr. Stopped 9:00 10:00 Storted leach 1000 me H2O, 80gun helr, 20gun KI adlad. Bio-D 1:00 - ORP 790- PH 2.5 Lenge 13.50 F 5:00 added Der D & typ ORP rose from 730 to 800, anotheraz. addid delate H2 5 C4 to PH 1.5 4:00 Stoppelleach ORP844 194 204 tong 135°F 11hr. 3prs · 130 Started

april 12/06 Lent 866 12AT Englist time 2:30 Startel H2 SOA treatment 10tol 135% -Styped in 22 Ars, and let settle 3 hrs. 10:00 Starled leach 75 gran helts 20 gran KI, 750 Tulto O Temp 1350 F Retated in for presses 4 pro april 20/06 Just #867 4AT For What 200HNO3 600HEI 10:30 Startel leade revolving will paper atracion With no one PH-I.H ORP 830 060pt. au. 12:00 NH-0.4 ORP 852 tom 100 F 060pt. au. 3:30 PH [-0.5] ORP 892 100 F 8hrs. 7:00 Stopped lade + rotation of put to with allrigh Reg 1/0 F Leet 868 2AT Far West 750ml H20 75 gran Rader 15 gran Kl 10:00 Started leads rotary bottle PH 3 1:00 Stapped 11 kin at 135°F PH 2 ORP 785 11 fre. H:10 Starte 4 her . Praip with Zine Total 19 firs.

Aug. 12/06 Tent # 869 3KT Roger File fine. lacque hole 20pm KJ leta 1500 ze H2 O 11:30 Started leach 135° F 4ty Die D 1200 Zelded 2.4 the Die D OTRP 864 PH 4 feta 3:00 Started. 4:30 Stopped elect. 6:30 Stappellond ORP773 PH3 These. -cenday-3:18 Ataldelet This. (and an get algo) 2:20 still. ORP 463 PH wes 7.5 added the SON PH 3.1 9:00 Steppelelest ORP 550, PH 2.4 Amollomound of Que Thes. H late Precip with Linco Total 22 pers. . . 2 2

Clug. 20/06 Juit \$ 870 SAT Hoge Pile" 2:00 15000 ml Ha D 300 mb H2 SOH, preticulment. 1350 F 8:00 Styped "Elled 1000 ral more Ha O PH weit from .06 to . 0 Pat to settle ell night. 6 hrs. Monday Drained off mont of liquid, added 95 gene Bicab 11:30 Statel lead 300 HNO3 900HCI Langenatice 135° F, PH at state 0.5 THe. The Liquid had nottled all night, showed off and put residue. One in fills & muchel itout. Liet lowering PH flore (-0.5) to more farice, used Dicarbo Locke first hat had to go to Da Oth, down 1:00 tilled Time, temp max 135°F PHT, 1 5 hrs (roveler gtz forged) 5:00 Stand PH 4.5 tapper 130°F Westa 8 hour 8 hrs. trace all. · ., There There. (trace was all) This.

" Bed Septar/06 # 871 "Rogen Pile" 12 AT Hy SON trectment lo here 5 to 1, 1-ad PH, 500 to 20. added 2072 Hy SON oftend Drained liquid off added some Ha O T a tonget of 6 hrs no 0 H to PH 2 . Died to diret. 7 fire. Thursday. 12:00 Startal leade - 4502 HC1, 150 ml HNO3 4:30 Stopped circulation, laft on hit plate. 8:00 Drained liquid off, than filtered one and added work ORP 1.643 AH 1-0.10 to unter. 6 My uster , 6 kg trace an. Driel to deat (Poor reacher) Total 19 nn

Light 25/06 dest # 872 "Corg, Fine" 2 HT 1:20 Stacted tentment 500 H2 0, 125 ml H2 SOM 2:30 Started lack 350HE1, 1672 HNO3 trace This. 3:45 PH -1.4 1370E Stopped in 4 3 fra. lit siton grill all right 5 how Light of lignid, filtral last perto worked. Draparted liquid off thee times to reverse HNO3Hhr Sign Oct 2/2006 Jent # 873 Roger Pile" 3 A.T. 10:00 H2 SO4 trestment 10 to 1 (1000 hl H2O-100 hlacid 11:00 Stacted PH [-0.3] with one in ligard. 3 line. 1:00 - Stopped 2:30 Started leach 200 HNO2, 600HC 1-100H2 0. PH East 5:00 Statel 5:20 Stopped. Adda 20 MI HHO, 60 MI HEI changel Juny 6:45 Stopped elect PH. F.O.A. 8:70 Stopped regetetion and left to set until moving. PH FOR Gara 4:00 Started Thur. the 3:00 Startel plact - Big iron & D'carbon + Stepper 3:00 (52 here) Precipe with Z ince Total IT here. 030pt. alle there.

Oct 9/06 Jent # 874 Far Weit 3AT 1250 mil Ha O Monday 120 June ne Br I for. 30 gune KI Dia-Daddal 6:00 Statellack 1350 F PH 705 ORP600 3 hrs. Stoped 8:00 (3 hrs.) saton hatplate at 105° Fallmight Odded 100 gime bab., H20 up to 1250 from 900, Hp Bis 2015 PH 4.5, ORP750 3:45 Stoppel Lohrs , 4:00 Nascened lack ORP TT3 PH 3.5 (agiliting) 4:00 Stopped leach (5 here) ORP 743 PH 3.1 Hol (nothing) 3:45 Startel 245 Startel 245 Pt al 5 line 1350F 5 fors. Thus 3:45 startel 5 lose . 8:45 Stopped Shire Hlers. JAN. add 4 Sque Zince to 1250 hd of solution 1350 F 12.45 Detitlob Lat # 875 For West 2AT The heat 1250 ml FH 10.5 for the at 150° Ft, astalling rid - Desiret notes off 4 fors 3:00 Statel lack 120 per The Ar Bio D to 850 ORP. PH statet out 10.4, despel to 7.5, 7:30 added HCI indel PHZ 8.2 from 7.5, timesteure 135-138°F, added more bio; D. F. ORP 750 Thank overnight PH 7.8, ORP 792 .03,0 ptan 6 fre. Fri. 11:20 started The 11:20 started Stopped 3:00 added ZINC, TOS PH, hugt adding HEI but nover las than PH 5.5., at 9860 added HCI toPH4. To let set Tell acrument Hors. Total 17 fords .

Cat 28/06 Just # 876 3AT Age witgind 1:00 Freetwart 500 hol H 2 0 50 hel HNO3 circulated. 3:00 PH F03 was 0.1 when started es le 4 hra. Jew historinght, lette paper in milliel. 90 gene skiente to 79 gras inciding fils 11:00 Added' 3 ogras salt & part in electic over . 800°F 24 hrs at 800 F 24 hrs at 500°F they let cool Here in funde . 12:30 Fre statel leade 1250 1:4 H. 20 Ils. 100 Jel HNDS 17:30 Imperature 137 F / top Rio D CRP 960 PH -1.1 6 drs. 10:00 Slapped PH EET, OR P 1010 Serve. 10:45 Stackel " 3:15 Totel 8 hours. Spra. addel I ince OR PH west from 35to 6, set in heatall ICSOF inglit mini Collel HEI to PH 2 Trace Clus 6 hrs 21 hrs.

Nov.16/06 Jut \$77 "RagarPile" 3AT Etolded 30 groupalt in once at 1000° F.for 36.64 12:30 Atulal leader. 100 give Na Br 25" KI 1000ml H20 there. Longe o 195 F gior delled 4 top Bio D ORP 750 7:00 Stoppel leach PH 8.1 ORP755 tex 135"1 Part or fille to settle one jught Thre. Zine precipe 03 operton Que. Total 15 frees

" Line Dec. 31/06 Text 878 Rogs Rile" 4 A.T. 1500 ml 100 Tocalt H20 1hr. 125 ml HNO3 Stortal 11:30 3:00 \$ added 2 typ brod 135°F PH-O.T. ORP. 1064 6:00 1X HET.O ORP1026 1350 F 8:30 Stagal PH Elal ORP 976 June 138°F 9 luc Pat to ast in het plate all might. montoj 3 kie 135°F /. 1 st. PH J. K. 12 hie FAC Labora first Lucio 2 - addet the 25 the to table and bicashe to top total lequid. PH. to 1.2. 2 hr. El Labortet 11:00 tollel 2 top Zine to presente 6.6 PH. 1:00 Cerlied HC/ to 5.4 PH 135°F 2. 2 pris. Wirla. added 1750 wel H2 Optimit 16 to 1. H2 504 (to dried run Linale Tel on het plate to remore won & capper. Abort time 1:15 at 135°F 3:45 Steppel systetion & let settle overnight Hur. Driel to duct, then sof an ele tric over to 1500°F for 2 this. Then fired remander. (no du) 3 pre-

Redoing " 879 headow liconday for 8/07 10:00 600 RCHEI hr. 200 mb. HNON 200 kel H20 Circulated in glass bottle with forser stones for buffing silver village off of goll. Strand in 5 hrs. 135° F to 150° F warned with het lange while rotating. 5 pre. Jun Evaporated down to hearly dry. Reported 3. time adding some water each tome blog vide - Find dry no toria l'altopton Toto 12 for

32 Louday Jourday Jour 4/07 Text 880 2AT. Comp. the cooliel 1500°, 125 WEHALC 150 WEHALC 450 WE HEL 150 WC HALC 3 HSDINC HE 1 11:30 Alect terce look 12:45 CRP 100 PH ET.3 Time 1350F 6:30 Stypel Acad and Let all night ORP1060 PH Et.0 6 pra. Zine pricip. Trace alle Total Home . •• · · · · -

23 monday Jon 22/06 Jex # # 881 12 A.T Cong. 100 line At Lost the. 1250 ml H20 after warning en to 135° F ORP867 PH 2, 4 The Park 200 - Maitin coule ter Part in course ter pottle broke after 4 hos (End of Feit Tober 6 hrs. Wed Jan 24/06 Just # 88% 2. A.T Congo , coolisto 1500 1250 Tel H + 0 100 geore he the 1 dr. 20 gens KI 200 Statel Test colder I leging ty Bio - D, PHH. 4, ORPISO 900 added 2 he tax Bie D (, 4:00 ORP-870, PH1. 3 tempe 125° F 7:30 Stoppel ORP 178 PH 2.3 Peton gull till moring Thue APH 3.2, ORP 840 2:00 Started , tap 105°F Eirculty will pustold 3:00 PH 4.1 ORP 650 Fu -Esplico 1 fr. het dried reader to dust. Here that Sunday - annealled don't 1500 F Monor #800 mil H2 C 16 to 1 H2 SC4 FIELD 135°F Partadled to remare iron of Totel: 19 fire. . 0.5 opt du

Jeb. 5/07 Jet# 883 # Cong. 2AT Remailed with 20 gene Salt. at 1400 F 3 for. 10:30 Stated Hy SC+ 150 ml, Hy 0 1000 ml we watting 17:45 Stoppiel - added Birate to 4.7 PH & doual 2 fine. Luck The total lack 150 HNDS, HSOHEI 150 H2D Henry is F rotation will forger store to 2000 Steppet lack, set all night 5 fr 5 fec. Walny ORP 97.8 PH -1.1 PH 0.0 2.30 Startel E 2 fra. Zine prep. H his. Proce Cello 16 hrs

35 Find 10/07 Tat #884 IAT Baytree 2:30 H2 SON trational de 500 nett 20,100ml Ha SON, 135F. Tilopo 12 10:30 Started leach 400 ml HEI-125 mul HNO3 toge 135" F 3:00 Stopped getation, left on fact at 135° F 14 fes 903 opt au •

all. 36 There Worch 15/07 Leat 885 12 A.T. Day Tear 1:00 H2SOH treetment 2 pres 11:30 Starter leach 400 hel HEL 135 mel HNO3 Stopped 4:30 on hat plate, part on Japon grinder Atoged asimolor at 7:30, cet or hat plate till maring DRP was \$71 Fre-10:00 Starter exaporation 1st water 2 hrs 2 nd water 5:00 Steedal " 2 from Sat: finished Brokensportion . 08.02 per tonthe 15 hus. 2 huc Set. Set. Henre (24/07 - Jed # 886 Baytree 12 A.T. 11:30 Started H2 SOH treatment 12 A.T. (Cong. W.G.) 3 to one min tong 135° F Serie Dried redictee 92 gene (Due to Bicorobouctedded) Inited with 2000 ml H2 O. 3 hrs. now Designed wate off & deside meridice 38 gran from 45 gran 3:00 Statel leget 150 ml HNO, 450 mel HCI after Shre. added Boop raised ORP for 806 to 10100 Stoppel licho Ret state antil marries 2 hrs. This 902 + . 050 p.J. au. 15 fre.

ATTACHMENT 2.2.2

Alan Lewis Test Log Notes (Firing)

1 Ħ T 3 inc Jest 10/05 832 7 5 AT Bager - af Cupl 14.9.-30 - 1 ty salt met 15 16 grane. - 70 -20 45-20-20

May 17/05 Just 833 Roger 8075 mgs. - he hitrite 35 give 30 grow led on both 60 tronnacting) H12-5-5 gena a siline S on a he hi M-may 21 #3 14 15 years annea 2 fr 2 fr May 22/05 #13 - 12 gune 25-60-20-20 #4-16 gina. 30-70-20-20-30-0g, Cupelling

2 Congo May 30/05 Just 834 (5A7 11 grows hat 02 pre redone 30 20 or til except Ħ #2 -2 m 20 2 both nor I some 2 gr er zHEI # 2 most gollichelching Put Cong head ore 12 35 ash 1 25 on .40 m some to #

÷., 836 ensp.T. 2 perc orax .:2 15 × H " Eug 36 1.105 1 hrs 2-2 Eru Cru el, 2 pre 30 17 20.

June 13/05 Te 336 entineg 37. +2SOX 30 30 • 22 in onen. L 30 30 39 at Le 30 30 15 5 3 #H Resi 03 in bottom 30 30 miles 2fre 4 15 gran borof 3 gran silia Ag.

continued. 36 sel 4/ # 18 t gr 1.1 # 35 in 3520 2 prs. H. a #4 11 3 2 7 he 20 ð 3 #5 NHHO 8 #6 3 H put : 4 2

Juni 21/05 Ject # 8 37 Bagen THT 17 30 20 91 34 Cupe 2001/075 m #12 and are #1 H ricipo 3 2 ŧ 10 borg silies 2 alg 12ine pracis ~ ennear -13 Here 30 4 30 20 3 2 his cysel parting same as over

Jame 2.8 # 837 from pres #0 tet sample re page 30 lead in for 30 10 10 silica for one 6 g Into 30 0 20 mines 10 boras more b -#839 *‡*0 - -30 in lotton 30 2 20 bors K 3 silies HI-II gime - D some as HO - 7838 lost 2 HI2-938 - anneallel 9 gune July 17 - Zine precip. #839 Deips scorifying deikes -15 graceast. Parting #16 Same prop time as # 0

Sal- July 16 Juit 839 (Conglomerate) 05 #839 8 gran ca 1+2 Ħ 01 30 30 mijea 2 prs 20 bores 3 silice Carpel Olg. HO - Harre gollpany Same as HI + H.Z 5AJ uly 25/05 Jest 840 Conglones 14.16 9 70 lies nive 2 pres Brid 20 silica 3 æ all Time no xacidonly to 8 grin cypel sint partin 15 Relison 3 O. #2 I in HO ame or

10 July 27/05 Tat # 840 (Congloneste) # - Perile from tiped after electo 4 cruc, 18.25 pm each 20-45-20-20-30- 12 salt m a will Borg #12 - 1-cree 16 grome to 3 linified - 16 grows other to Boleston botton (and on F12) 35 " mide 2 prs. 25 Bac 3 silie 8 gran ining O) 20 Kour Brile 4 5/05 Lest # 94((For West 5AT) - Z in preine HEI to 5.5 MH, then 7 in heride (shrenk from 43 gran to 25 gra) in furnose to 1750°F 30 in betton 30 miced, 20 pres, 3 icline tolly. Same on H ougel 2 for

11 Thurs # 841 Far West 5AT cip ; Zine ter # her controll HC. Scoulard 30 2 3 proves #2 no ació 31 grove edge of 25-200 on top of 20 15 2 his. 20 not had the weth borg I type set 1700° Fix #3 andl æ 3.07 ne da # 2. #4 Residue in onen to 12000 22 grane 20 hrs. an #2

105 Jat # 842 15A T Fac West 2 drie. Reg. 22) # Cupel 2 pro Boren Ag 50 lead 3 silver - 15 H 2 -. 30 on fattai 20 miled 15 Boron Seilice, Clay 29 FarWest 05 Jait #842 115AT Stelwood & HNO, tt 50 lead might 2 hrs. 20 Avraje 2 siles #2-2 grove Residue 60 lad 25 Bois treaded with HNO lad 25 Bois silve , Elg # 3 - Naidue ofter 60 led 25 bout, 2 silie, ag HH - Reci is alle man o car#3 ±15-2 Eugel +6- Annealled an # 3

13 Sat Sept 3/05 842 Issanton of fred one 10 de latte 30 ladon bottom 11 migd 30 25 Lorage 3 silico de. Juero Segt 13/05 Jut # 843 (3. 5 AT after 100% Selt 45 preso - First stick wool elect 12. 5 grove. Conner there # 8.15 bour, 10 siliae wool, 19 gus #2 - Seron act ation 8 quer -Corue. 20, 45, 20 borg, 15 ailice, 30 lead, the (annealled) AH - Scorifiel 8 gram same as #3 30 of ty 30 migul, 3 silice, 20 Baren, Ol #4 6 # 5 - 2 of recidue alto Detect. 22.5 gime ca 30-50-20 silies 36 Brig 3 ptged I top salt mis Ry adda 11 or ma.

14 let. Oct 15/05 Jat 843 2.5 AT Cong #1- steel wood ilgsom. 20-45-20-15-30-04 The sell a & bourg I her. Hf - seme se H Bridger # 3 25-45-20 25 borg - 30 lind al after ### 2 cree 20 grow cache to the sell mich on the therap # 0 - Zine precip. scoufied Eugel F. C Eugel # 1+2 compels # # + # / # 3+4 11 # 2 + # 2 part #3+4 non. Oct 24/05 Just # 844 - 2.5 A.T. (Valgard) Rqua Regis H I- Steel Wool , 60 groves, 4 arieco 15 grove sade 20 loda 45 lite 2 her 15 silice 20 fiaron Eusel 30 gran. lead . 2 I tip salt mixed & on the with 1 #2 -same as # no Aste #3t 4 same as # 11 excep # 2 - 2 inc freip t (resicher from 2 crue - 13. 5 gun each 15- 40-10-20-30 FB ag & selt & forag

nov. 10/05 Just# 8#5 10AT Outof Ber - 15 gron ann. residue Onde 45 lett. 15 silie, 20 borof 30 les algo 3 fre Elect ? stul wool anno hos . 14/05 Jeat 845 Boger "Out of basiel" Stel wool anno 19 grance 20, 45, 15, 20, 35 lord S 18 grams annealled resider after am #5 - 17 gram out annullal Fu. Nov. 18/05 #12 anniallad Z incruig of le #2 18 gran aucho 20-45-15-20-30-04- 3ty 5 ty flow. y. I ty selt me curel 2 sert

Dos. 6/05 Roper 1AT 2 April - 2 April - 2 April - 2 1 Eque Regie leade 12 groves ... cipel 2. 20-40-15-20-30 Bg " on ty & bow, Dec. 13/05 Juit # 5 847 Roger 1 - head ore 64 gene to De Carb. Sale-40-65-25-35-30 lind Olgo the Selt mind 1 ty on Loget & 2 fix: Cupel 2 fix. #2-1AT 847 test 2 crue. 16 grave each. 20-40-15-20-30-ay 5 tip tal - #1 Lot 1AT - 9 Erue 26 gmm eachers 30 - 50 - 20 - 30 - 30 - CEg. 2the salt mic 11 11 11 in the in to thoras Dai 21/c5 Leat # 848-1AT, Roger Fine Aqua Regia leach 4 gross. 2 his 20-40-15-20-30-0g. 2 To salt miles

Wed. Dec. 28/05 Lest # 849, 12 AT Corry: Fince 1- 8 grans. algue Regie liach, (crapartal) & for 20-40-15-20-30-dg. 2 tip sold miles intertone, intertone, Thare for 5/06 Jest \$ 850, 13 AT Cong. Fine" 1 - 9 grun dried agas Regia 20-40-15-20-70 dg. 7 Ly salts H2 - Jours rockin - 15 gron ground cupel 2 Particy 25-45-10-20-30; 7 to sail 106 Jut # 851 lun. Jon 8/ - Three cruc. 18 gene each, do 2 residue aque Aug 2 pre -25-30-il level top galt neight

the 13th of fair lot , Equine Nem for/15/06 Ject \$ 852 1.5AT Wet #1 - 12 gime i vopenated to dust cycl 20-45-15-20-30 Cg 7 ty sett This for 19/06 Fort # 853 Cong Fine Agine experile to dust aque hegie cycle 20- HO -15-20-30 Cly . 2 ty Aget port Yuns - Jose 24/06 Test # 854 "Wet grind Cong." 21 #1-20-40-15-20-30-Cly. 2 ty alt mind 10 Let. Jon 28/06 Juit # 855 "Reger" H2SO, thetat #1 Tyme. 2 for 20-40-10-20-30 ago 2 ty selt miled I dr

Wal. Feb.1/06 Jat# 856 1.5AT Rogen 20-40-15-20-30-00 2 tye salt niced Al Ilginoz -Scorified the HEI trigting we ter after supel 2 how part the preig Ø Fel-2/06, 2 gene 30 back in letter 20 led midel 20, midel 20 birsy 2 silice + Cly Feb. 8/06 2 his What Roger Fine 7 857 Text to 00 in annullal risides 18 gime ach 30 lad in batton 20 lad mitel 2 cupl 2 part. 14 ides offer week 3's peach 3/06 Feat # 8 Reperting IAT Icrue I gum provification capel 35 lecchin bottom 30 lect. Let # 960 march 8/06 legie #1 - 20 gras, Zim precip And 20-40-10-20-30 Cg. sty selt. min 2 pes. cessel

Much 3/06 Feet #861 Roger Fine" 1AT # Dried Zinc wide 54 pm creal has 2 Eruc. 26 pm call port of fr 20-40-10-20-Rg. 5 to call might (faget 30 kindputio)" on tog & forge March 22/06 Fest # 862 Roger Jine 14T 16 growing anneallal Zive residue 20-40-10-20 the - 30 land - ag ty sall night march 23/06 Fet 4 863 Roger Fine IAT HI - he pitrite scorified 2-fins. Boran 20 Sclica 2-Lead 35 HI - T inc pruce Torme 2 frs. 20-40-10-20-30-thg-2 typ Sett mined Eight 2 hesport 1" on the & Bound april 2/06 Fast # 864 Roger Fine 2AT #1- Zinc precipe 25 grow (Hicecolor) Eucel 25-45-10-20-30-dy lap calt naple on the & foral Part.

april 5/06 Roger Fine scripication ha Sulfito precip 30 02 1 Eugel 5 grove silica Of 17.69 in ago flour endo ch (Tei Z. 8657 2 A.T. Complex Official -11 te 504, to Ha0 - Soda 2 Dan proon top- later 2 fra port. 1 fr port. 1 fr 55 gins re 20 gim Borax 20 gun la Ag alda ty flore Reeds mixed, 5 to firing 59 grand.

Geve 17/06 Leat # 866 12 A.T. Cong. Al scoifes 2 fra #2 -2 cru 20 to min - pui la in 20 20 lead are top 2 Typeali ag 2 AT fu april 22 06 Fest \$ 867 Ŧ 0 -4 in na 867 april 25 dries Ħ 30

Caril 27/06 Tat 867 For Vest Jh 2 h \$2 - Head one 18 general 20-40-10-25-30-cty. 3 flore 3 ty call mind Che-2 AT Factor Drog 7/06 Jant 868 HI 20-40-10-20-30-dy & flore - 5 ty selt mind #1 Recidue - Tinc some so # 1 cypel Rhic #13 ammonie Tydrosike grecing legid after Zieco

aug 18/06 # 869 Roger File fine. -30-,0 #2 Eger Pile fine. aug 27/06 #870 c precipe . 38 5-30-30-ag. 38 gins. If. Itys salt miles 1 ' on top # 30-2-Tof Zi sidue 15-45-15-25-0- clg. 23 ty salt m K #870 0L Wes - Thurs -30-45-15-25 -30-ayo A mil ne H2 - Reailes 8 28 grace - 30 - 45 - 15 - 25 - 30 - ag 5 hra.

Sept. 18/06 Juit 870 Roger Pile 3AT #1 - as mortelon work sheet 25-45-15-25-30-00 5 gm salt brox 45-15-25-30-dg. 5 ty sett m - Jast #3-Zinc 2 cree 26.5 each o 25-45-15-25-30-dg. 24 -15-25-30-dg. Sept 23/06 Jest # 871 "Roger Pile" # 1- 2 of rosil drying of 2 Ctur 20-45-15-25-30-0g 2 4 + 1/2 ~ 1 annielled 37.2. · 2 of residue not #2 25-50-15-25-20 44 Stap-floure 1 tmile

Sept 30/06 Tait # 872 Corp. Fime 2 Hote Jana Rigia import 19 geneo 20-45-15-20-25-30-Rgo aty a Lat # 873 Roger Pile" 3 A.T. 06 15 gros -30-ty H3 2 equept no salt. H Hyran i - dgo bosat in t 15 -Ort 9/06 #1-30-45-15-30-30-0g 1/2 linelity flow +12- same no salt .

Oct 16/06 Jest # 874 For Wat 3 A.T. # 1-2 inc precip. 32 que + 10 grow elect. 50-50-30-30-30-02g-1rd. typ flower Salt on the Ityp Salt on typ. o box H2-Same ar # 1 - 32gms-H3 One at HI equest only Hogres And Oct 23/06 Feet # 875 For West 2AT. # 1- 3 of residue 35 genes 50-50-30-25-30-ag. - Ind. tip added inquest au 4.15 maps) & type salt miles Oct 25/06 875 For Went 2 A.T. hrage of residue, treated will Har SOHIG-1, three fers, there annuelled. 35 gm spin les Than 2 fe 15-25-5-10-20- ag - 3 ty flow. 5 ty action the

#876 Wet Su nov. TI 06 35 sweige . 45 3 ton top to Low now 9/06 Just - Har 10 te , 5 grow 45-10-20-20-15 on the 06 Jest # 876 anner 30 -10-25 1 ty can 10-

hov. 22/06 Fert # 877 RegerPile 3AT 25-45-15-25-20- Ge. The Ther. Jon's 2007 Jul \$78 Roper Pile" Ggenere Sof H H.T. trestment 15-35-5-15-20-ctg - 5 top lat mind Here for 16/06 Redo of test # 878 Roga 38:2 44 #1 - 2 of total residue 121 guns ofter annualling 2 crues. 44 guns eacho 30-50-15-30-20 lead ag. Clevel tip selt nicitie

+ after annalis \$ 750 32 Just # 879 2HT pre Easkel i SUO't Ja 20/07 Crice. 26 and sart. #1 Cric. = top 6 23/07 Jat 7: 880 Lat 2 A.T. Helacook -H 1- 17.5 giomas 20-40-10-20-30 Qz Clours Jeat # 881 Jan 31/07 #1-Tginz 15-40-10-15-20-Cig = top no Les Z #2- 2 crucebly 34 grass Zino price o treatment to altrivida. 35-50-20-30-30-04. lain

Fol. 15/07 Lest 882 Conglomente 2AT 15-40-15-20-20-24 - 2 tyrielt multi-locor on top-HI-26 grove - Ziscopiecija. I (ezuco) 25-45-20-30-30-20 - dy. 1. top salt night becce. on top. = 35 2 Eruc., 23.5 run eade. Feb. 16/03 Gest #893 Conglomenter AT 1 second helf not anneallal 2 cree 29 grow each. 30 507 - 50 - 25 - 30 - 30 - Olg. I typ calt med (2 typ flow in cal)" " or typ t ficing · ····

Wand 14/07 Let 884 Bagtree 1 A.T. \$1-4+ proce. 35-50-20-30-30 CG the selt mind \$1' on the & berek 5hr. Murch #3/07 Jest # 885 Baytue 1'2 A.T. HI - 17 gime 10-40-10-20-30 ty. Sty selt mited Fity flow Sty selt on ty with bour March 28/07 Set # 886 Bagtrie 17 A.T. #1- 24 pros 20- 45-15-20-30-the "ty callwidded in top flow." on to the 5 hrs.

32

ATTACHMENT 2.3.1

Loring Test Analysis

	529 Basva Tel: (403	aboratories Ltd. Indam Road. NE Calgary Alberta 2)274-2777 Fax: (403)275-0541 dress : loringlabs@telus.net
	FAX COV	ERING LETTER
DA	TE: 2006-02-24	PAGES :
	TN: ALAN LOWIS	
<u></u>	MPANY :	FAX # :
Jee t H 85 IFY	Ala Cold (Dold	eater is peater is ng tissoo Pril. junton. Hary ES, PLEASE CONTACT:

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