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Report of Enjuring Eignes Dorbit No B-ND-4446 Date authoristin of Gunto Recent Oct 5, 1942 Date of Examination chaline Oct 28,29 Polif Byot Mor. 20 1942 1. name + address of applicant Mane - Dofin and Dean - a aldress - Pater Hotel City + Slow - Phonix, angua Conespodet - Feonard M. John, same address 2 Character of Project.
To develope a transfer prospect. 3. Location of min - Clamas mine Tormsby, range, restron - approx T8N, ROW, the and Selt Rine Base o Merida County and state - White Prencho Dietert, Wilesting Mito, yangan Co, aiyon Mame and distance by wood menest railing stature -Mometon on the Soute Te Pulvad is 12 2 miles by road from the climat mine Camp. Of this 12 2 mles destance 5 miles is by foor dut wad and the falme roagood graded dut road. clt will be necessary to construct about one shelf to go mule of road to gain access to the rain present truncil.

4. applicant The applicant Mr. L. M. John is a man of 65 years of age who dames he has had thirty years experienced my mining He also stated that he has sure worked for mages but has always worked for him self as a lessee or mill cleanup man. Tolin also stated says that he attended the Unesty of Derso engineering school Ant did not gradute and What he was a member of the Royal Canadian Engeneers during World War No 1. It is my openion that he is not a particularly good ming man as he so not on engineer, has never had to produce ore at a profit for a ming organization, and he is a little to old and frait to push a got. effrently. Moreover he is entirely mithofunds at the present line and at the time of my visit to the property had some difficulty in funding the alarmo. He mades to operate the perpety himself and is very positive that he has the ability to produce one from the mine. Due to my belief that his arming ability is still to

5. Loan Requested The applicant regrests a bran of \$10,000. However 6. Description of Project

under this loan be limited to \$7000.00

he proven al recommend that the first deburement

A. General Features. 1. Camp. - Within a mule of the Clinia Jungetin classic There so a small comp consisting of about six frame house and a pivell. This comp is owned by M. Pachen the fee owner of the Climat claims. While this cary is not under leave to the applicant under this project I have recommeded that the applicant use these

of these claims norder to avoid the Expense of constructing a new camp. mill - m Chas W. Jully in his letter of Sept 20, 1942 concerning this docket. has requested the supermine engineer investigating this project to often as Complete information as possible with regard to the Vulture mill as a custom mill for lungsten ores, because it may be iseful to us for future reference". I examind the Valture mill and lalked mits the operator Emest R. Dielie a conjetent mill man and one of the owners of the mill. In the past this mill was operated as a cyamole mill treating gold one and tailings from the balture mine but the mill is now roll. Since the mill contains two fall mills of 200 ton capitaly each Mr. Drebie plans to convert one mill to the heatment of solfide couper one for a ready property by adding a jig and flotation cells to the gending sevenet. He has made no definite commitments for the me of the other bell mill, sigs, and flatation cells he now has. Duchie mformed me That come months ago The M. S. Vanadim Corp. discussed with him the me of half of his mill to theat trongsten on they choped to develop in This area but he has had no further mord from Them. Howem he stated that he would be glad to cooperate

for the trutment of dangeten ores. However he is not financially able to personally consent his smill to tragster und method a small amount of famount and The parent mill equipment is in good shape and is electrically down by power product by died engines. Principal conversion cost muld be lator for re-arraying the present egypount. a partial list of the equipment now at the Vallace Mull consists of !-1. - Allis Chalmers 322 R gyratory chusher 1- 14x24 Jaw crusher 1 - Hendrie + Bolthoff 18" rolls 5- large are bins with belt conveyors 2 - 200 ton ball mills 1- akins screw classifier 2 - Denver pulsating mineral jugs 2 - double deck vibrating screens 2- Depster sand tables 2 - Wilfley slime tables. 1- large tractor with bulldozer blade 1- 14 yed power shove 1- 6 cylinder Union Divise with 200 Km a.c 1- 5 cylinder Bentz diesel with 125 km ac generator, Diesellneeds new heals I complete syamide plant Various Stotation cells (not inspected)

mth any organization that desired

to use himil part of his mill

2. The proposed project should comply unto all compensation and safety fast statutes 3. attached to This report is a copy of the applicanto leave on the Climan clams 4. also attacked to this report is a letter from the applicant in regard to sight of the proposed road Some this is not a well known mining district al do not believe trace are any primite land located along the proposed roadway 5. no likelihood of suface or subsurface triupies Enclosed wath the agent so B. Gesting Development 1. This is an meet underloyed prospect with practically no development work done to date The new has been gently exposed by a 20 foot timel but this timel does not follow the Morrow high grade ore but was dinen in the footwall of this nem, attacked to this report is as will section along the place of the new showing The luntion of the emplo taken, the existing mork, and also the proposed development program moler this project. In the Morning of anyon Bullitim Vol XII No 2 entitled Tungster Deposits of aryona by Claved D. Wilson we find the following ducyther of the property! "Writenburg mountains, White Preach Dutet -On the Climay claim, about 3/4 mile north of the (3)

2,51 1,92 2,4,43 2,21

17 Pr 17 Pr 17 A

Buena Vista, fine gramed servestie schut

Stirking enstrumed and dipping 65° N contains
school scheelite yours. Che Deemler 1940 The

primitival onterop, which is trauable for a

Clog th of about 100 feet, had been opened by
a shallow cut and about achit. This work
showed the scheeliter bearing your to be about
6 feet misle.... The mueulogy of their
deposits - garnet, epidote, quarty of specularite
deposits - garnet, epidote, quarty, specularite,
scheelite, and powellite - undicates them to be of
contact - metamorphic orgin."

The Bureau of Mines did some soupling of the Climat Claim and also of the Buena Vista group which is an arolyoning group of Claims not included in This project. Following is a letter, reused from J. H. Hedges, District Engineer at Turson, anyone for the Bureau of Mines:

"I Quote]

The above references cover the geology and ou distribution of this perpety. as a summary. I might add that The one where expend shows a . I foot much high grack nein on the hanging wall which arrages over 2 % WO3. This new dips 68 buth the hongartel. On the frotwall side of this new there is a musualyil you some 8 feet mile contained spotty patches, of scheelite one. This footwall you will perhally arrange 0.20% WOz but consuts of sections that mill sun as high is 2 % and other sections showing only a true. This whole vein any or municipal relief your can be timed muth the mineralte for a distance of 250 feet up the hellerde above the tund and for a distance of about 175 feet down to helsich below to

6

has been done along this outerop except at atte termel the value of the extent of the ore along this you cannot be determed, mless surface treasing is done. Futhermore the 20 fost Timel so not in the I foot much such so little aformation can be obtained from the tund Proposed Development. mits m. John the consequendent the Jollowing development plan was agreed upon: 1, To build a 1500 foth road from The and of the present roal to the proposed tamed site. If possible this want will be built with acres Roods money or if necessary mitt loan funds. 2 To dig a few preliming trenches alsons the very stelow to present Time to determine the spart bouten for the proposed time portel. 3. Dime a 200' duft along the on you and at a netweel depth of 75-fait below the present short trul, 4. It is estimated that this preliming make mill cost not more than \$ 7000, 00 no further month to be done unless this duft denelyes pay one. 51 elf this drift prous one at depth additional funds can be under the loan dan be used to drive the 20 foot duft ahead and connect this two dufts with

tunnel but since no mork

using the low gende for stope fill and shryping the high grade puched ore. Later of a smell is gustified this low gude fill emld be drawn and med as mill fud. Proposed Developen I Plan and Cost Cotimates. 1500 of wand to be construted from Pashen Camp to Jumel sate. It he built by access Road Funds or by Loan fundoif necessary. 1000.00/14 as many caline as possible to be med at Pachens Campachue Donestie mater is analible additional facilities to be purchased, tent, butetin egument, beds, etc Preliming trendes to define wien and prepare for compressor lieutin and timel portil 100.00 Eguppment (med) 1 med Prebugo trueb 250.00 1000.00 I sent Congressor tengine 1 sta Jackhamer 150.00 an + notes hose, steel, buts, notes presente to 100.00 250 of 2" pupe 30.00 50.00 1 - ham can I mle for ported and ties 50.00 70.00 Tools, etc 100.00

continued

ruses, thous blocking out a sufstantial

relume of one. One could then he

much by cut and full methods,

Duft - 5x7 size 250 long. Using I sheft per day and 1 mines \$ > / day I marcher 6 / days. I surface man 5/day. Bedvame 4 ft / shift Total time 65 days if dufting 3000.00 43 Cost 4/12 per foot for 250' General Overhead + Mise Conto Supermein (Tobin) 3 month at \$200/man 800.00 chrommer deposit 150.00 150.00 Reserve for contingences 900.00 13 Total max cost Total Cost of Project for theme months D_ Egunpant at the present time there is no equipment of an devid on the property - The applicant fells positive that he will be able to purhase the med equipment and supplies necessary for this project no mill is contemplated made This project. For future reference theo slame to be no permant water supply in this area. Domesta mater supply can be oftamed by means of shallow wells in The many mushes in this district. at the present time there is no conton sprill in this district able to hardle trugsten orl. However I understand that E. a. Jacobs of Incom Puys trugsten ore. The freight changes from mornation to Justin should not effect \$3 per ton so a

montable on a profit could montable be made on shipping ore to Incom. Inthumore at so possible that the Vulture Mill could be need as correct earlier in This report.

8. Objections to Project

I she chief of getting to the project is the lash of definite geological information as to the extent of one along the main and at depth. Present prospecting describes and conclusions can be drawn as to the around of one that can be expected as a result of the proposed development program.

2. The applicant is my openior is not an

aggressine and experiend more operator.

Honever he should be able to carry out
the propered development more and she
appears to be on about on average
with other applicates of home interimedal
on other projects.

3. Lock of milling facilities shay be a future abjection to the production of trugsten for this project.

4. There is not enough probable one apposed in this deposet to repay the projected boars

5. actually the proposed month so more in the form of prosperting rather than of developing sknown one bodies

12 Comments of Supervising Enguen I recommed that a lom of \$7000 be granted on this project for the following reasons: 1. For a comparaturely small amount of money the bre prospects for this deposit and perhaps for this district can he definitely proven 2. There is definitely exposed as small tonnage (25 tons on drungs and estantel 100 toms 190 WO3 or 424 per ton, They walnut to make of the one in the trul is \$2400. 3. The annut of one in the deposit os 3. Whether this project will become a good paroduce of tingsten or not will be determined by the proposed development work. 4. There should be no difficulty in milling and concentrating this one. The property men can be developed economically by snews of adult timels ore of 1% grach mill be developed on this property to pay back a \$7000 loan althor of cannot qualify this helref by any open geological conclusions Wolliam B Marthet Surpensing Ring.

Assay Record

<u>,</u>	•	· -			! Mi	nevalite
Sampler	No	Width	% Wo,	- Nalue	nhij V	sed Location of Sample
Maitland	1	Grab	2.02	48.4		10 Grab from 25 ton ove dumps
li -	2.	2'	0.17	4.0	18.	South edge of tunnel portal
) (3	4'	0,01 (Tr) 072	.4/ "	Face of 20 / tunnel
***	4	3'	0.54	12.91	ı	North edge of tunnel portal including High guide
10	5	Grab	0.51	12.24	1 "	Grab Svom 25 ton ore dump average.
)(6	Grab	0.01(T+)	1	1	From outerop 250 east of tunnel
10	7	Grab	0.01 (1.)		1	From 11 175' west of tunnel
n	1/9	1.11	2,51	60.24	l., !	Across Againgrade at tunnel portal
	29	Grab	2.04	48.96		Grab from 25 ton ove damp High grade
Total	9		0.8697.	20.85	(Numerical Average of 9 surplu
Bureau of Mine	Maitland Noig	About 1	r _i	46.08		W.E. Mc Millan - along 10' of vein at turnel
n n	Marthand No 20	Grab	,	36.96	, 1	" " - From sorted eve on dump
11 11	Mai Hand No 1, 2a	Grab	. F	54.48 N	į	
	Maithard No 4	31	0.46	11.04	h l	John M. Price - General sumple of ore " " Average over 3'across fissure " " " noith side of tunnel
]	Maitind No 3	41	0.01	0.24	"	11 11 11 - Face of tunnel
11 11	Compare Mustiand No 5	Grab	1	Ţ.	"	11 11 " - Average ore on clump, where young
Total	6		1.1637.2	27,92 -	-] &	lumerical Average 6 samples
Grand Total	15	-	1.02% 2	24,38 -	14	Summerceal Average of 15 sumples
Market management the proper points of the property of		ati in a and in a awa a record	to the contract of the contrac		1	August 1994 - Permitter (1997) (1994)
	E + M	J Oct 19	142 Tuna	sken pi	rice	65% + up Domestic \$26.00/unit WO3
					. •	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Prices at mines, singl lots, usually several dollars less For this report the assumed price is \$24.00/unit Nos at S.F. RRat Morristown, Aviz

I don of picked ore of plus 1% WO3 for every 2 tons of low grade ore 0.10%. Was mined

The above samples taken by me were assayed first by the Arizona Testing Lab, but results were not sound satisfactory after examples. Examination, with the Mineralike so the rejects of some of these pulps, were sent to E. A. Jacobs or tungsten special, Also the property was partly resampled

at night with the use of Mineralite and these samples also where sent to Jacobs for assay. In the above table Jacobs assays were used whome possible as they are considered more reliable.

oct 29,1942 To bin & Dean Tungston Picture of Portal of 20 tunnel Sample of best high grade from vein + dumy by Tobin 25 tons on dump of or Strike EN dy 68°N In disrike schief dark gray Ore is honey rubb school belt 25001 25 Signe 42 rich in garnet + epidoke with quarta seams Some black Serve magnessium minerals #2 sample 2 sof tunnel portal #3 " 4 Face of towned Ay " 3 Nside tuneal ore 20 tunnel portal + including high grade 5 frank Proyused Towne 23 #5 Grab off 25 ton Hump somple #7 Grab # 6 Grab off wide from twinel site cuterip 250' up stope vein outerop 4' mide From turnel

across I of rotten rock at portal No 2 pull mill grach will No 3 Amp .3,24 % Col assays

ample Submi	tted by Mr Recoust			SILVER	COPPER	LEAD .	<u> </u>
SERIAL	SAMPLE MARKED	OZS FER TON ORE	GOLD VALUE EER TON ORE #	OZPER TON ORE	PER CENT WET ASSAY	PER CENT WET ASSAT	PER CENT WET ASSA
03477	# 1-1311 R. 4446	Zungs	ten Ivia	من المعروب	2.02	Wos	
478	#2 11 1		11		0.17	11	
479	#4 " "		11		0.54	11	
480	15 11 11		r		0.50	11	
481	" / A		11		2.37		
482	2 A		11		2,04	β. ·	
mr w	on B. Maillan	ed Su	newes	eg bies	gmee	r]

ARIZONA TESTING LABORATORIES

ANALYTICAL AND CONSULTING CHEMISTS ASSAYERS, MINING ENGINEERS

823 EAST VAN BUREN STREET

ASSAY CERTIFICATE

PHOENIX, ARIZONA POVONOP 2. 194 2

*TÉLEPHONE 3-6272

Mr. R. Maitland, Ph-incer, MC

325 Bened Building, Phoceir, Prisons WE HAVE ASSAYED THE SAMPLES RECEIVED FROM YOU AND FIND THE RESULTS AS FOLLOWS:

GOLD FIGURED AT \$_____ PER OUNCE.

LAB. FORM 2 SILVER FIGURED AT \$ PER OUNCE.											
LAB. NO.	SAMPLE	GO	LD	SILV	/ER	PERCENTAGES					
	13-110-4446	Oz. PER TON	VALUE	Oz. PER TON	VALUE	COPPER	LEAD Jungaton (Wile)				
45511	11.						1.45% He-assay				
45319							1200				
45318							Trace				
45314					·		Tonco 0.48				
48315	#5						Trace 0.42				
45316	#6					,	Tro-de				
45312							27200				
							MACCO CARROLL				
							CTIPED				
`			·				ECATE 4				
							CLOSER TE				
							MCI FAM E				

ASSAYER

Clunde I. LcLoun

RESPECTFULLY SUBMITTED.

ARIZONA TESTING L

21.00 CHARGES S.

* TELEPHONE 3-6272

ARIZONA TESTING LABORATORIES

ANALYTICAL AND CONSULTING CHEMISTS ASSAYERS, MINING ENGINEERS

823 EAST VAN BUREN STREET

ASSAY CERTIFICATE

PHOENIX, ARIZONA November 2, 194 2

Mr. Wm. B. Maitland, Engineer, AFC

325 Heard Building, Phoenix, Arizona

WE HAVE ASSAYED THE SAMPLES RECEIVED FROM YOU AND FIND THE RESULTS AS FOLLOWS:

GOLD FIGURED AT \$_____ PER OUNCE.

LAB. FORM 2

SILVER FIGURED AT \$_____ PER OUNCE.

LAB. NO.	SAMPLE B-ND-4446	GOLD		SILVER		PERCENTAGES			
		Oz. PER TON	VALUE	Oz. PER TON	VALUE	COPPER	LEAD T	ungster	(WO.)
45311	//1							1.45%	Re-assuy
45312	#2							Trace	
45313	#3		- L					Trace	
45314	#4		-,	15				Trace	0.48
45315	#5							Trace	0.42
45316	#6							Trace	
45317	47		<u> </u>					Trace	
							1/ 0	CITRED	SCA
							1/2	FICATE	1011 2011
							1 13	CLAUDE	IR.E.S
	1				1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -			MCLEAN	///
							- 10	OE 31, 19	12/

RESPECTFULLY SUBMITTED,

ARIZONA TESTING LABORATORIES

BY/

Claude E. McLean

ASSAYER

30 . . . Road Constructions 1500' of road to build perhaps by access woods maybe by John \$1000,00 2 1,5 Camp. Tento, cook house egung beds 200.00 30. Preliming pleneloping of trenches to define ven 100,00 Canjunt Pribup used 250,00 Compressor. 1 500:00 12. Jackhanne 150.00 4 1600 Hose, steel, shits 100.00 Pripe 28 250' 30,00 Car 50,00 Track 500 singli 8th 50.00 Imles, portal + très 70,00 \$3100 Tools, 100.00 1800.00 Duft 5x7- 1 surface #5/day. 1 shorft 3 men - 1 miner - 47/day 4/25 4 /shift 12/ft for 250' 63 days Superissions 2 months @ \$200 400 3000,00 250 3000 11 1 month pularry mon 600.00 I'd chamare deposit 150.00 4 / 250 Reserve for continguous \$50.00 A7 00,00