REPORT ON THE VALIDITY
OF THE
LUCKY BOY CLAIM
UNPATENTED LODE CLAIM
JOSHUA TREE NATIONAL MONUMENT
RIVERSIDE COUNTY, CALIFORNIA
REPORT ON THE VALIDITY
OF THE
LUCKY BOY CLAIM
UNPATENTED LODE CLAIM
JOSHUA TREE NATIONAL MONUMENT
RIVERSIDE COUNTY, CALIFORNIA

Prepared by: Paul H. Knowles
Mining Engineer
Date: May 18, 1973

Approved by: L. S. Zentner
Supervisory Mining Engineer
Date: May 31, 1973
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BASIC INFORMATION

Claimant: Wilfred Tunstall and/or Elltun Mining Co.
President, Wilfred Tunstall
Secretary/Treasurer

Al Wegner
12874-2nd Street
Yucaipa, Calif.

Reason for examination: General examination of all unpatented claims in National Parks

Subject: Validity of Mining Claim

Lands involved: One lode mining claim, the LUCKY BOY comprising approximately 20 acres, situated in Section 8 T. 2 S., R. 9 E., SBM, Joshua Tree National Monument, Twenty-Nine Palms, California

Location Data: See Exhibits 1 and 2

Mining District: Pinon Mining District

Mining Engineer and Dates of Examination:

February 7, 1973
and
March 21, 1973

Accompanied by: David Swickard, Ranger, U.S. National Park Service on March 21, 1973
C.T. Weiler, Mining Engineer U. S. National Park Service on February 7, 1973

Contacts with Claimants:

Wilfred Tunstall Personal 1/16/1973
Wilfred Tunstall Letter 1/30/1973
Al Wegner Personal 2/6/1973
Wilfred Tunstall Personal 2/8/1973
and
Al Wegner " "

Wilfred Tunstall Letter 2/22/1973
LUCKY BOY CLAIM

SUMMARY

The purpose of this mineral report is to determine the validity of the LUCKY BOY lode mining claim, located in Joshua Tree National Monument, California.

Based on examination and sampling of the claim, and a survey of the mineral economics for gold this claim, in my opinion, is invalid because minerals have not been found within the limits of the claim in sufficient quantity and quality to constitute a valid discovery. At this time under known circumstances, it cannot be expected that a profitable mine could be developed on the LUCKY BOY claim.

It is recommended that a contest be issued. The claimant to be served with the contest is:

Mr. Wilfred Tunstall
12874 - 2nd Street
Yucaipa, California 92284
and
Elltun Mining Company
C/O Wilfred Tunstall, President
12874-2nd Street, Yucaipa, California

Paul H. Knowles
Mining Engineer
LUCKY BOY

INTRODUCTION AND PURPOSE

The purpose of this report is to determine the validity of the LUCKY BOY Claim in the Joshua Tree National Monument, Twenty-Nine Palms, California. This claim is also referred to as the Elltun Mine and/or Elton Mine. The examination was requested by the Superintendent, Joshua Tree National Monument and was accomplished through the Office of Mining and Minerals, National Park Service. The claim is located in the central-western part of the Joshua Tree National Monument.

Initial contacts with the claimants were made by personal visit and (see Tabulation of Contacts) lead to visits at the claim site and mineral examination by writer in presence of the claimants on March 21, 1973. Several other visits were made to the claim to complete the examination. Samples were taken at locations selected by the claimant; in addition several other samples were taken by examiner for additional information in study of the mineralization. Samples were subsequently assayed by a non-government independent reputable assayer (see Assay Reports - Exhibits 5 and 6).
KEY MAP

SCALE IN MILES

0 5 10 15

JOSHUA TREE
NATIONAL MONUMENT

Exhibit 1
LOCATION MAP
INSPECTION OF CLAIM

The LUCKY BOY claim was initially visited by writer in January, 1973 followed by several other visits (see Tabulation of Contacts) in February along with C.T. Weiler, Mining Engineer, and Dave Swickard, Ranger - both with the National Park Service. Following two letters and two personal contacts the validity examination was completed March 21, 1973, in the presence of Mr. Wilfred Tunstall and Al Wegner along with N.P.S. Ranger, Dave Swickard. All samples taken on that date were at locations pointed out by Mr. Tunstall. At the time of the examination, writer repeatedly explained the meaning of a validity examination and necessity of the claimant to indicate points of sampling. Another visit was made to the claim by writer on March 23, 1973, for additional samples required to supplement the mineral examination. On February 8, 1973 (prior to examination) Mr. C.T. Weiler and writer repeatedly explained to Mr. Tunstall that it was necessary for the claimant to make available to the examiner all veins and outcrops that he (the claimant) wanted to be sampled. This was emphasized as there is one main shaft and four old shafts, none of which meet with the State of California or U.S. Bureau of Mines safety standards for entry. At the time of the examination, the claimant had not opened up any of the shafts for safe entry, and only one open cut was identified by the claimant for sampling. A total of about 20 hours were used for sampling and examining the claim.
DESCRIPTION AND LOCATION OF THE CLAIM

This property is composed of one claim - the LUCKY BOY claim. It is 1500 feet X 600 feet aggregating about 20 acres and is located in unsurveyed land in the W1/2 of Section 8, T. 2 S., R. 9 E., San Bernardino Base Line. The claim is reached by driving from Twenty-Nine Palms, California on the Joshua Tree National Monument paved road southerly for 9 miles to intersection of a dirt road (same intersection where Geology Tour starts), thence northerly for one mile, thence easterly on the Elltun Mine access road for 1.5 miles thru a locked gate to the claim. The claim can also be reached from Joshua Tree, California via main Joshua Tree National Monument paved road for 21 miles to the above mentioned Geology Tour road, thence northerly on the dirt road to the claim. The countryside is typical desert type at an elevation of about 4200 feet with cacti, sagebrush and a few pinyon and juniper trees. There is no water on the claim. Nearest readily available water would be at Twenty-Nine Palms.

HISTORY AND PRODUCTION

This claim was originally filed in July 7, 1922 and subsequently amended on August 14, 1937 and February 3, 1942.
Note that the last two amendments were filed after 1936 when filing of mining claims in Joshua Tree was prohibited (See Exhibits 17, 18, and 19, Location Notice and Amendments). There is no recorded production from the LUCKY BOY (or the Elltun Mine) and the claimant states he has no record of any production. However, he did state that about 20 tons were shipped to the (intermittently operated) Stuebner Mill at Barstow and that he received no money from the rock shipped. Writer later contacted Mr. Stuebner and he stated rock was too low grade to recover any profit over and above the $20.00/ton mill cost. No assays were run and claimant states he has no assays on this or any material from the LUCKY BOY.
GEOLOGY AND MINERALIZATION

This claim is located in the southwestern part of the Pinto Mountains which in this area is composed principally of the Palm quartz monzonite and White Tank quartz monzonite. The oldest rock in the area are a few roof pendants of Pinto gneiss which has been intruded by both the Palms quartz monzonite (unit C) and the White Tanks quartz monzonite. A few intrusions of olivine gabbro and numerous aplite dikes occur. A small pegmatitic intrusion was noted but no metallic mineralization was seen in it.

The only observed quartz mineralization was that pointed out by Mr. Tunstall and subsequently sampled. It is a thin quartz vein of width, varying from a few inches to a maximum observed width of 15". Some contact alteration containing sericite was noted for a few inches on both the hanging wall and foot wall of the vein. Little gouge was seen although in places the quartz vein and a portion of the contact zone is friable. Metallic mineralization consists of minor amounts of free gold with secondary limonitic staining; no sulfides were noted. The vein was seen only in the open cut and could not be traced laterally on the surface.

The country rock is a fairly fresh, medium grained quartz-monzonite with jointing roughly paralleling the quartz vein and some normal to vein. Some minor alteration noted along the joint planes.
Exhibit 3
CLAIM MAP—GEOLoGIC SKETCH

LUCKY BOY (ELLINUN Mine)
Scale 1" = 200'
Joshua Tree National Monument
California

Rock Mon. N.E. Corner
Old Shaft
Main Shaft
Open Cut
Open Cut

Rocks Mon. N.W. of hill
White Tank
Quartz Monzonite

Rock Mon. N.W. of hill
Old Shaft

Paul H. Knowles
1-30-73
SAMPLING AND ASSAY RESULTS

A total of 8 representative samples were taken from the LUCKY BOY Claim; three were from sites selected by claimant and five were selected by writer for additional data on the examination of the claim.

Thirty days prior to examination claimant was requested to prepare entry and locations for sampling. Upon start of examination the claimant was requested by writer to select specific locations on the mineralized zone(s) for representative sampling. The only place the claimant requested for sampling was in the open cut and indicated three specific locations on the vein where Samples LB #1, 2 and 3 were taken. Following the taking of these 3 samples the claimant was repeatedly asked if there were any other locations on the claim for sampling. He said "No" and also added that he had not prepared any of the shafts for safe entry.

Above three samples were taken in presence of the claimant Mr. Tunstall and National Park Service Ranger Richard Swickard. The following is a description of each sample and the results (For tabulation see Exhibits 4 and 5 and Geologic Sketch Exhibit 3): 
LB #1 - Channel Sample of 15' quartz vein (thickest part of vein)
   Gold 0.83 oz/ton
   Silver 0.35 oz/ton
   Mercury - Trace

LB #2 - Channel Sample of 15" quartz vein about 2' down dip from LB #1 in floor of open cut
   Gold 0.31 oz/ton
   Silver 0.27 oz/ton

LB #3 - Channel Sample of 16" zone including 4" quartz vein
       6" of altered hanging wall and 6" of altered footwall.
   Gold 0.06 oz/ton
   Silver 0.05 oz/ton

LB #4 - Channel Sample of 4' of Hanging Wall above Sample LB #3
   Gold 0.01 oz/ton
   Silver 0.02 oz/ton

LB #5 - Channel of 4' of Hanging Wall above LB #1 and #2
   Gold 0.01 oz/ton
   Silver 0.09 oz/ton

LB #6 - Channel of 15" across zone including 4" of quartz vein,
       5" of Hanging Wall and 6" of Foot Wall
   Gold 0.01 oz/ton
   Silver 0.07 oz/ton

LB #A - Grab Sample of loose rock from "pocket of high grade"
   Gold 0.16 oz/ton
   Silver 0.26 oz/ton

LB #C - Chip sample over 25" along right rib of Open Cut-
       including 4" of Quartz vein
   Gold 0.035 oz/ton
   Silver 0.01 oz/ton
It should be noted that samples LB #1 and #2 were taken on the vein in the floor of the open cut where there was considerable loose material adjoining the sampled width (See exhibits 9, 10, & 11) Every effort was made to obtain a representative sample, but the possibility of some contamination towards higher values on these two floor samples did exist. The claimant indicated possibility of mercury, and although no mercury minerals were visible, sample LB #1 was run for mercury; only a trace was assayed.

Average weighted assays calculated over various widths and based on average world price of $90/oz first three months of 1973 were as follows:

A. Weighted assays of Samples LB #1 thru #6: 
   Average width 26.2" @ 0.122 Au oz/ton ----------$11.10/ton

B. Weighted assays of Samples LB #1, 2, 3, and 6: (This would represent an average width of the vein or contact altered zone over a distance of 20' between Sample LB #1 and #6
   Average width 15.25 @ 0.299 Au oz/ton ----------$27.21/ton

C. Weighted assay of Samples LB #4, 5, and LB #C: (This gives an approximate weighted assay of the Wall Rock on both Hanging Walls and Foot Wall)
   Average Hanging Wall and Foot Wall over a total width of 132" (includes some contact altered zones runs 0.029 Au oz/ton
   ----------$2.610/ton

D. Average Assay of a Mining width of 6' along the vein
   (Sec B. and C. above) including vein:
   Average 72" @ 0.086 Au oz/ton
   ----------$7.74/ton
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<tr>
<th>Sample No.</th>
<th>Gold Oz/Ton</th>
<th>Silver Oz/Ton</th>
<th>Description</th>
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<tr>
<td>LB #1</td>
<td>0.83</td>
<td>0.35</td>
<td>Channel - 15&quot;Vein width Floor - Open Cut</td>
</tr>
<tr>
<td>LB #2</td>
<td>0.31</td>
<td>0.27</td>
<td>Channel - 15&quot;Vein width Floor - Open Cut</td>
</tr>
<tr>
<td>LB #3</td>
<td>0.06</td>
<td>0.05</td>
<td>Channel - 16&quot;Alt. zone- Left Rib - Open Cut</td>
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<td>LB #4</td>
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<td>0.02</td>
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<td>LB #5</td>
<td>0.01</td>
<td>0.09</td>
<td>Channel - 4&quot;Hanging Wall Left Rib - Open Cut</td>
</tr>
<tr>
<td>LB #6</td>
<td>0.01</td>
<td>0.07</td>
<td>Channel - 15&quot;Alt. zone- Right Rib - Open Cut</td>
</tr>
<tr>
<td>LB #A</td>
<td>0.16</td>
<td>0.26</td>
<td>Grab - &quot;Hi-grade&quot; Floor- Open Cut</td>
</tr>
<tr>
<td>LB #C</td>
<td>0.035</td>
<td>0.01</td>
<td>Chip - 25' - Right Rib- Open Cut</td>
</tr>
</tbody>
</table>

Exhibit 4
OPEN CUT - GEOLOGIC SKETCH
FACILITIES AND WORKINGS

Facilities on the claim are limited to an old wooden structure in last stages of standing, near the center of the claim. About 200 feet southerly, there is an old stone and concrete foundation, reported to be the remains of a house.

Four old vertical shafts were noted and all reported to be at least 50 feet deep with an undetermined amount of lateral workings. None of these shafts were safe for entry.

A dirt road passable with a sedan enters and terminates on the claim, providing means of access from the highway. A well-locked gate has been constructed on this road, but about half a mile off the claim.
DISCUSSION

This property is typical of many encountered by the early prospectors leading to subsequent hopes and later disappoint-ment. The hopes have been based upon an occasional showing of free gold and the presence of small amounts of gold concentrated in gold pan from very select crushed samples. In spite of considerable development over past 50 years no mine has been developed. The claimant states that to his knowledge no fire assays have ever been made and the hopes of high values were the occasional observation of free gold and by crushing small amounts of very select material. The vein varies considerable in width and values. Maximum width observed was 15 inches over a distance of about 3 feet, from which it thinned to less than 4" laterally within distance of 15 feet. Values dropped off from a maximum of 0.83 oz/ton of gold at 15" to 0.06 oz/ton where vein thinned to 4". The country rock in both the hanging wall and foot wall is fractured with some alteration in the fractures; a 25' chip sample that included 4" of vein and both hanging wall and foot wall assayed 0.035 oz/ton gold. Samples taken of only the hanging wall and foot wall showed gold assays that did not exceed 0.01 oz/ton. Shears are not strong or wide.
There are no active custom gold mills within a radius of 200 miles and apparently no custom mills in Southern California. The last custom mill in the area in Randsburg (about 60 miles via road northwest of Barstow) was closed in 1961. An inactive mill near San Bernadino known as the Pandora Nevada Corporation has recently been acquired by Mr. Ted Heins of Barstow and Kenneth West of Los Angeles. This mill has several Wilfley type gravitational tables and could possibly handle 50 to 75 tons per day when in operation, which it is not at present. Mr. Heins stated his costs, when and if he got into operation, would be about $15.00 - $20.00 per ton on a 50 T.P.D. basis with about a 70% to 85% recovery for free gold ore. This mill is about 100 miles from Twenty-Nine Palms. Orville R. Stuebner has a small 5 Wilfley type table mill in Barstow that could handle about 25 T.P.D. His basic costs are $20.00 to $25.00 per ton with a low recovery of an estimated 65%. This mill is not currently in operation but could be activated and is about 100 miles north-west of Twenty-Nine Palms.

A third potential mill is the Vanderbilt Gold Corporation Mill near Ivanpah, California about 145 miles northeast of Twenty-Nine Palms. This mill, not currently in operation, is a flotation cell type with a jig and could handle about 300 T.P.D. Mr. John Jordan, Vice-President, stated that he could
handle gold ore on a 1500 minimal ton basis at a cost of about $6.50 per ton. This mill is set up primarily for sulfides from which Mr. Jordan states a 90% recovery could be expected; on free milling gold ore the recovery is estimated to be less - probably about 65% to 75%.

There is a gravitational type mill used in past for tungsten ores at Danby on the Santa Fe railroad about 75 miles north-east of Twenty-Nine Palms. This mill is owned by Mr. Ted Heins of Barstow who also has an interest in the Pandora Nevada Corp. Mill described herein. The Danby Mill is currently not operational.

Estimated costs related to a gold property in the Twenty-Nine Palms are as follows:

A. Mining - Underground via inclined shaft with 3 men on a one shift basis with production of about 25 tons per day.

---------------$15.00/ton

B. Transportation to mill (there is no active custom mill within 200 miles, but assuming a potential mill starting up within 100 miles):
Rate 57/100 lbs - 20,000 load for 100 miles or $57.00/10 tons/ 100 miles

---------------$5.70/ton/100 mile

C. Milling Costs (Assume a custom mill operating at average of 3 estimates from mill operators)-$15.00/ton
Miscellaneous Costs - Loading and transportation from mine to Twenty-Nine Palms (or equivalent) and etc. estimate

\[ \text{estimate: } \frac{5.00}{\text{ton}} \quad \frac{40.70}{\text{ton}} \]

Above basic direct costs do not include contingencies or the fact that mill recovery on free gold varies from 65% to 75%. Also no smelter costs or smelter recovery are considered. Thus it can be readily seen that for a gold mine to operate at a profit in the Twenty-Nine Palms area the ore would have to average over $40.00 per ton over a mining width of 6' and should produce at least 25 tons per day (to satisfy the lowest mill requirements).

The LUCKY BOY average assays of the maximum width of 15 inches do not average $40.00 (Sec. B. above); its mining width averages only $7.74 per ton for gold, while silver is negligible.
It is concluded that there is a minor quartz vein on this claim which has a small lense of 15" over a very short distance and that it narrows to a few inches down dip and along the strike. Its potential is nil and a prudent man would not expect high values or mineable vein widths.
CONCLUSIONS

Based on the field examination and analysis of the assay data and geology of LUCKY BOY it is the opinion of the writer that this claim including the amended locations is invalid because minerals have not been found within the limits of the claim in sufficient quantity and quality to constitute a valid discovery.

At this time, under known circumstances, it cannot be expected that a profitable mine could be developed on the LUCKY BOY claim.
REPORT OF ASSAY

Submitted by U. S. Department of the Interior
National Park Service
Office of Mining & Minerals
450 Golden Gate Avenue, Room 14061
San Francisco, California 94102

Date April 10, 1973
Sample of Minerals

Table: Assay Results

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<tr>
<th>MARK</th>
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<th>Silver, per ton of 2,000 lbs.</th>
<th>Mercury %</th>
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<td>Troy Ounces</td>
<td>Value</td>
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<td>LB-1</td>
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Exhibit 5
ASSAY RESULTS
22
# REPORT OF ASSAY

Submitted by U.S. Department of the Interior  
National Park Service  
Office of Mining & Minerals  
450 Golden Gate Avenue, Room 14061  
San Francisco, California 94102

Date: March 3, 1973

Sample of Minerals

P. O. No. PX 80003-0393  
Lab. No. 2719

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Note: Only LB-A & LB-C are from LUCKY BOY

Exhibit 6

ASSAY RESULTS

CC: Dr. Paul H. Knowles  
P. O. Box 875  
Tahoe mine Sales, California 92272
Exhibit 7
PHOTOGRAPH
HEADFRAME - MAIN SHAFT

Exhibit 8
PHOTOGRAPH
OPEN CUT
Exhibit 9
PHOTOGRAPH
LOCATION OF SAMPLES LB 1-5-6

Exhibit 10
PHOTOGRAPH
LOCATION OF SAMPLE LB 1
Exhibit 13
PHOTOGRAPH
LOCATION OF SAMPLES LR 2-3-4-5
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LUCKY BOY
Conveyances

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<th>Grantor</th>
<th>Grantee</th>
<th>Document</th>
<th>Date</th>
<th>BK-Pg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nothing from Thomas to Della</td>
<td>T.E. Duckworth et al</td>
<td>Deed</td>
<td>1/13/37</td>
<td>30-29</td>
</tr>
<tr>
<td>Munro</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Della) Munro</td>
<td>Chas.H.Grinnell</td>
<td>Assignment</td>
<td>3/5/37</td>
<td>316-171</td>
</tr>
<tr>
<td>T.W. Duckworth et al</td>
<td></td>
<td></td>
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<tr>
<td>Chas.H.Grinnell</td>
<td>Wilfred Tunstall</td>
<td>Deed</td>
<td>7/22/40</td>
<td>470-271</td>
</tr>
<tr>
<td></td>
<td></td>
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</table>

I have made a diligent search in Riverside County Records for all pertinent data. I was unable to locate any document conveying claim or property from Thomas to Della Munro, nor any conveyance from John Robinson to others. Charles H. Grinnell has been in possession of the claim since 1937 and deeded claim to his son-in-law Wilfred Tunstall in 1940. Mr. Wilfred Tunstall and Mr. Al Wegner state they have formed a company known as the Elltun Mining Company with Wilfred as president and Mr. Al Wegner as Secretary-Treasurer. A diligent search of the county records to corroborate above statement and organization was made, but to no avail.

Paul H. Knowles
Mining Engineer

29
# LUCKY BOY

## Proof of Labor

<table>
<thead>
<tr>
<th>Claim</th>
<th>Date</th>
<th>By Whom</th>
<th>Bk</th>
<th>Pg</th>
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<tbody>
<tr>
<td>LUCKY BOY</td>
<td>4/28/27</td>
<td>Thomas Munro</td>
<td>M.C. 56</td>
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<tr>
<td>LUCKY BOY</td>
<td>6/15/36</td>
<td>D.C. Connell &amp; C.H. Grinnell</td>
<td>M.C. 30</td>
<td>29</td>
</tr>
<tr>
<td>LUCKY BOY</td>
<td>POL and/or Retention from 1943 to 1957</td>
<td>Charles H. Grinnell and/or Wilfred Tunstall</td>
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<tr>
<td>LUCKY BOY</td>
<td>7/26/65</td>
<td>Wilfred Tunstall</td>
<td>Document No. 85926</td>
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<td>&quot; &quot;</td>
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<td>&quot; &quot;</td>
<td>7/5/68</td>
<td>&quot; &quot;</td>
<td>64277</td>
<td></td>
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</table>
NOTICE OF LOCATION OF MINING CLAIM.

LUCKY BOY Lode.

NOTICE IS HEREBY GIVEN:

First - That we are citizens of the United States have discovered a vein of rock in place carrying Gold and other valuable deposits.

Second - That at the point of discovery we have erected a monument, and on the 7th day of July, 1922, posted a copy of this notice upon said monument.

Third - That the name of the lode or claim is Lucky Boy.

Fourth - That the names of the locators Thomas Munro owning 2/3 two thirds, John Robinson owning 1/3 one third.

Fifth - That the general course of said vein, as near as may be, North west and South East.

That the number of linear feet claimed in length along the course of said vein, each way from the point of discovery is 600 feet South east and 900 feet North west.

That the width claimed on each side of the center of the claim is 300 feet.

Sixth - That said claim is located in the Pinon Mining District, County of Riverside, State of California, and that a description of said claim by reference to some natural object, or permanent monument, as will identify said claim is the following: About 9 miles South West of Twenty Nine Palms, joins the East side lines of the Desert King and Mesa El Oro.

Seventh - That said locators has distinctly marked the boundaries of this claim upon the ground by monuments erected at the corners and on the side lines, and said monuments are marked as follows:

Beginning at center monument 300 ft. to side monument; thence 950 ft. Northerly; thence 600 ft. Westerly; thence 1500 ft. Southerly; thence 600 ft. Easterly thence 600 ft. Northerly 300 ft to beginning.

Eighth - That in accordance with the laws of the United States and the laws of the State of California, we hereby claim the above described property as a mining claim.

Dated July 7th. 1922.

Thomas Munro.

John Robinson, Locator.

#2

Received for record Aug. 3, 1922 at 8 o'clock A. M., at request of Thomas Munro. Copied in Book No. 52 of Mining Claims, page 306, Records of Riverside County, California.

Fees $1.00

F. E. Dinsmore, Recorder.

AMENDED LOCATION CERTIFICATE

KNOW ALL MEN BY THESE PRESENTS: That I, the undersigned citizen of the United States, over the age of twenty-one years, having complied with all the requirements of the laws of the United States and the State of California, relating to mining claims, and with the local laws, customs, rules and regulations of Pinon Mining District, hereby make and file this amended location of the Lucky Boy Lode, claiming by right of discovery, location, prizal appropriation and possession 1500 feet, linear and horizontal measurement, on this vein or lode of quartz, or other rock in place, bearing Gold and other valuable minerals, with all dips, variations and angles the same being 800 feet along the lode in a Southeasterly direction from the discovery monument, and 600 feet along the lode in a northwesterly direction therefrom, together with 300 feet in width on each side of the middle of said lode, and all veins, lodes, ledges, mineral deposits, mineral and surface ground within the limits of said claim.

Situate in Pinon Mining District, County of Riverside, State of California, in and more particularly described as follows, to-wit:

About 9 miles Southwest of Twenty-nine Palms. Joins the East side line of the California and Mesa El Oro.

Beginning at a monument 300 feet in an Easterly direction from center monument; thence 900 feet northerly thence 600 feet westerly thence 1500 feet southerly thence 600 feet easterly thence 600 feet northerly to point of beginning.

THIS AMENDED LOCATION is made in conformity with the original location, made by Thomas Munro and John Robinson, recorded Aug. 3, 1922 in Book 52 Page 306 of Quartz Locations, in the office of the Recorder of said County, and it is made for the purpose of appropriating all ground within the boundaries hereinbefore described, and of more definitely describing the situation and boundaries of said lode, correcting any irregularities, informalities or errors, supplying omissions and correcting any defects which may have existed in the original location, or the record thereof, hereby waiving no rights acquired under or by virtue of said original location. And if the original location or the certificate thereof is void, then this location shall be an original location and this certificate an original certificate.

Date of Original Discovery July 7, 1922.
Date of Amended Location August 14-1937.

#5875

Received for record Aug 20, 1937 at 8 o'clock A.M. at request of Chas H. Grinnell. Copied in Book No. 343 of Official Records, page 163, et seq., Records of Riverside County, California.
Fees 31.00
Jack A.Ross, Recorder.
By A.Torosian, Deputy Recorder.

Compared: Copyist L.Hyde; Copier A.Sunstedt.

******

Exhibit 18
COPY OF AMENDED LOCATION
AMENDED LOCATION CERTIFICATE

KNOW ALL MEN BY THESE PRESENTS: That I, Charles H. Grinnell, the undersigned citizen of the United States, over the age of twenty-one years, having complied with all the requirements of the laws of the United States and the State of California, relating to mining claims, and with the local laws, customs, rules and regulations of Pinon Mining District, hereby make and file this amended location of the Lucky Boy Lode, claiming by right of discovery, location, primal appropriation and possession 1500 feet, linear and horizontal measurement, on this vein or lode of quartz, or other rock in place, bearing Gold and other valuable minerals, with all dips, variations and angles the same being 750 feet along the ledge in an Easterly direction from the discovery monument and 750 feet along the ledge in a Westerly direction therefrom, together with 300 feet in width on each side of the middle of said ledge, and all veins, lodes, ledges, mineral deposits, mineral and surface ground within the lines of said claim.

Situate in Pinon Mining District, County of Riverside, State of California, in and more particularly described as follows, to-wit:

About 9 miles Southwest of Twenty Nine Palms.

Beginning at a monument 300 feet in a Northerly direction from center monument thence 750' Easterly thence 600 ft. Southerly thence 1500 feet Westerly, thence 600 ft. Northerly thence 750 feet easterly to point of beginning.

THIS AMENDED LOCATION is made in conformity with the original location, made by Thomas Munro and John Robinson, recorded Aug. 3, 1922, in Book 52, Page 305, of Quarters Locations, in the office of the Recorder of said County, and it is made for the purpose of appropriating all ground within the boundaries hereinbefore described, and of more definitely describing the situation and boundaries of said lode, correcting any irregularities, informalities or errors, supplying omissions and correcting any defects which may have existed in the original location, or the record thereof, hereby waiving no rights acquired under and by virtue of said original location.

And if the original location or the certificate thereof is void, then this location shall be an original location and this certificate an original certificate.

Date of Original Discovery July 7, 1922 (Amended Aug. 14, 1937.)

Date of Amended Location Jan. 31, 1942.

Witness Wilfred Tunstall Charles H. Grinnell

Received for Record Feb 3, 1942, at 8 o'clock A.M. at request of C.H. Grinnell. Copied in Book No. 530 of Official Records, page 282 et seq., Records of Riverside County, California.

Fees, $1.00

Jack A. Rose, Recorder.

By O. A. Wheat, Deputy Recorder.

Compared: Copyist G. Everett; Comparator P. Wendel.
CERTIFICATION

1. I have no undisclosed interest in this property, present or contemplated.

2. My employment is not contingent upon results of this examination.

3. I personally examined the claim(s) as identified in the text of the report.

4. According to my knowledge, everything in this report is true and no important facts have been withheld.

5. As of date of this report I estimate the market value of the minerals inherent in the claim(s) as described in the text of the report.

QUALIFICATIONS OF APPRAISER

Paul H. Knowles, National Park Service
San Francisco, California

1. Bachelor of Science degree in Geology with a minor in Mining Engineering from University of Washington, Seattle, Washington, 1938.

2. Registered Professional Engineer (Mining), State of Washington, 1948, Cert. No. 3236.


4. Thirty-four years in the mining industry, in private practice; for the U. S. Atomic Energy Commission; and U. S. Department of Island and Insular Affairs, and National Park Service (present employment).

5. Member of American Institute of Mining Engineers.

Paul H. Knowles
Mining Engineer
REFERENCES


1968, Geologic Map of the Twenty-nine Palms Quadrangle San Bernardino and Riverside Counties, California U.S.G.S. Misc. Geol. Inv. 561

Evans, J. R. 1959, Mine descriptions in Joshua Tree National Monument—Unpublished Report California Division of Mines Files, Los Angeles, California


Jennings, Chas. W. 1967, Geologic Map, Salton Sea Sheet, Scale 1/250,000 California Division Mines and Geology


Miller, W. J. 1944, Geology of the Palm Springs Blythestrip, Riverside County, California Jour. Mines and Geology, Vol. 40 pp. 11-72
Rogers, John J. W. 1954, Geology of Southern California, California Division Mines, Bulletin 170 M. S. 24

1961, Igneous and Metamorphic Rocks of the Western Portion of Joshua Tree National Monument, California Division of Mines, Special Report 68

State Mineralogist, 1945, Mineral resources of Riverside County, California; California Journal of Mines and Geology, Vol. 41 No. 3