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Arizona Department of Mines and Mineral Resources Mining Collection

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PRINTED: 09-10-2012

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: IONA

ALTERNATE NAMES:

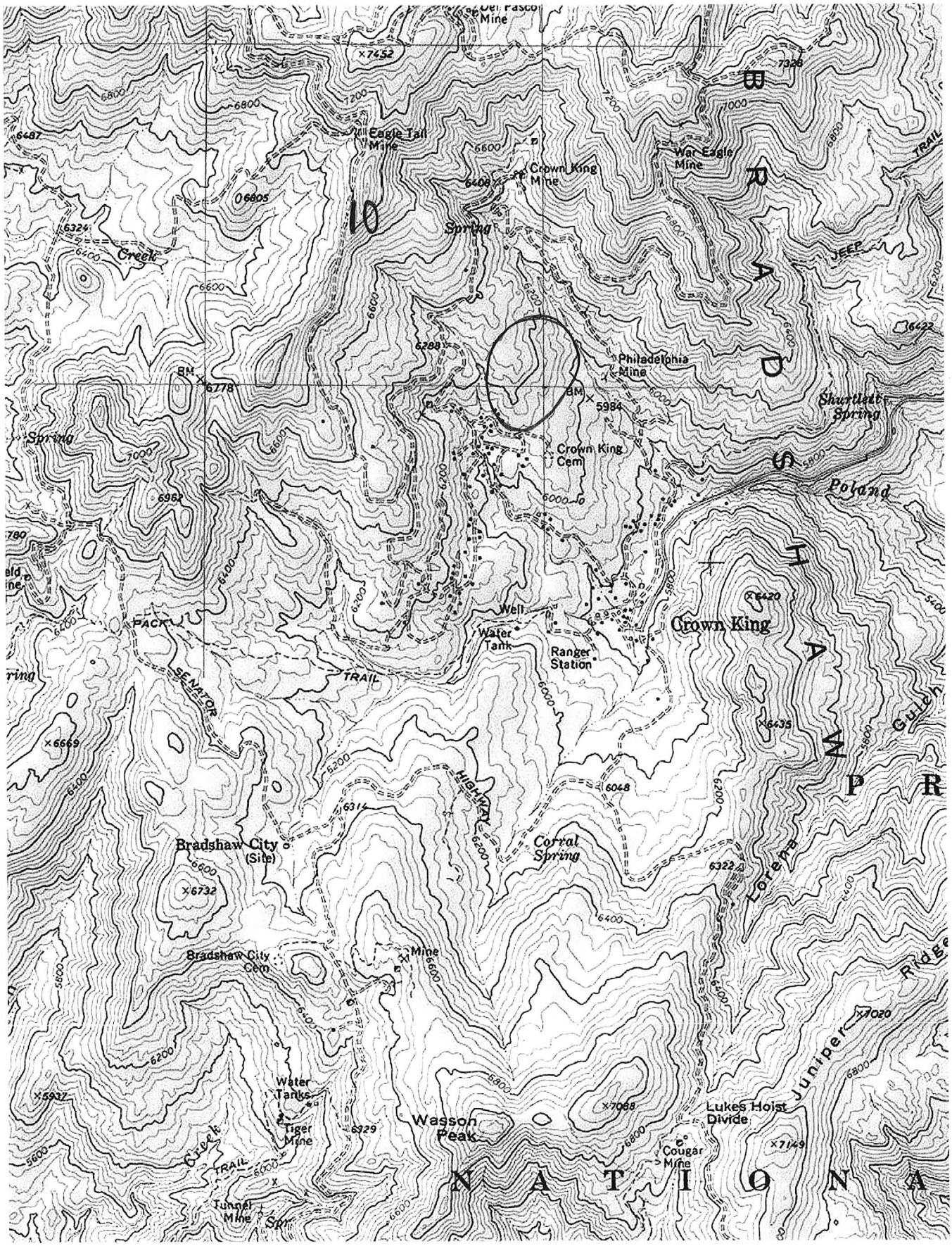
YAVAPAI COUNTY MILS NUMBER: 1432

LOCATION: TOWNSHIP 10 N RANGE 1 W SECTION 10 QUARTER SW
LATITUDE: N 34DEG 13MIN 22SEC LONGITUDE: W 112DEG 21MIN 01SEC
TOPO MAP NAME: CROWN KING - 7.5 MIN

CURRENT STATUS: EXP PROSPECT

COMMODITY:
GOLD LODE
SILVER

BIBLIOGRAPHY:
ADMMR IONA FILE
CLAIMS EXTEND INTO SEC 11



N34 12' 59" W112 20' 34"

Iona T10N R1W Sec 10 SW¼

ArcGIS -

KAP WR 4/11/80: Propetty is a single claim held by Tony Nelson of Cordes Junction.

KAP WR 9/19/80: Tony Nelson reported that he has staked a new claim contiguous to his Iona Mine in Pine Grove District, Yavapai County. The new claim is called the Sherri. Thus far, work on the Sherri has consisted of collaring an exploration shaft.

NJN WR 1/7/83: Bill Alexander and Don McClure, of Crown King, reported having bought Tony Nelson's Iona Claim and are in the process of buying the Dividend Claim in the Philadelphia Group, both in Yavapai County. They plan to do bulk sampling at the Dividend with a cat and clean out and sample the underground workings of the Iona.

KAP WR 5/27/83: Tony Nelson reported he has leased (lease-purchase) his Iona Mine to J & M Mining. He reported they are mining the gold vein and shipping a small truck load daily to a Casa Grande (possible Stutenroth's) mill.

KAP WR 8/5/83: Jim Weatherby, an independent assayer, reported visiting the Iona MIne at Crown King. He explained that it appears the oxidized iron-quartz stringer in the granite has been deeply trenched and the material shipped. He questioned how much oxidized material might remain.

MINE AND PROSPECT DATA SUMMARY

Sheet 1 of 3

COMMODITIES gold - silver

MILS ID No. _____ DATE March 26, 1980

ENGINEER Ken A Phillips

PROPERTY SUMMARY

I. MINE NAME: Iona

OTHER POSSIBLE NAMES Harrington

II. LOCATION: T 10N R 1 W Sec(s) 10, 11 MINE DISTRICT Pine Grove

ELEV.: 6200 STATE Arizona COUNTY Yavapai

DIRECTIONS

MAP ATTACHED yes

III. OWNERSHIP: NAME Charles "tony" Nelson PHONE none

ADDRESS: Star Route, Cordes Lakes, Mayer, Arizona 86333

DATE OF INFORMATION: 10/23/79 DBA:

IV. PROPERTY AND HOLDINGS: One unpatented lode claim encompasing lass than 20 acres and surrounded by patented lode claims some of which are subdivided.

DATE of PORPERTY STATUS: MAP ATTACHED yes

V. HISTORY: FORST LOCATED: unknown OPERATED BY Everett Yant

DISCUSSION: Reported he mined and shipped 20 - 40 tons of high grade gold ore in the 1930's. An arrastra with tailings is located at the north end of the claims and is reported to have run ore from the property. A few tons of tailings remain (2 - 4 tons)

REPORT(S) ATTACHED

VI. PAST PRODUCTION: Small high grade shipments. No reports available.

SCHEDULE(S) ATTACHED

DISCUSSION:

VII. CURRENT STATUS:

VIII. WORKINGS: Shallow shafts, prospect pits and adits

LOCATION MAP ATTAHCED yes

IX: GEOLOGY: DEPOSIT TYPE: Veins VEIN STRIKE: N30°E

DISTANCE: Varies WIDTH: 14" - 8' DIP Vertical AGE:

HOST ROCK: Pre cambrian Granites AGE: ORE:

CONTROL: Structural - fissure fillings in granite

Existing Report(s) attached Report Based on New Examination Attached

X. MINEROLOGY: ECONOMIC MINERALS: Native gold, secondary silver minerals

GOSSAN MINERALS: Limonite

ALTERATION:

GANGUE: Quartz

XI. METALLURGY: Free Milling

METHOD OF DETERMINATION METALLURGICAL REPORTS ATTACHED

REMARKS

XII. EQUIPMENT ON SIGHT:

XIII. SAMPLE DATA 13 assays for Au, Ag SAMPLING TECHNIQUE Chip Channel

SAMPLES TAKEN BY: Ken Phillips, R. R. Beard NUMBER OF SAMPLES: 13

DATE: 3/26/80 ASSAY REPORT(S)/MAPS ATTACHED yes

DRILLING: TYPE TOTAL FOOTAGE:

WHEN DRILLED: DRILLING/REPORT ATTACHED

XIV. GEOCHEMISTRY: TYPE TYPE ANOMOLIES:

REPORT(S)/MAP(S) ATTACHED

XV. GEOPHYSICS: TYPE

ANOMOLIES:

REPORT(S)/MAP(S) ATTACHED

XVI. AERIAL PHOTOGRAPHY: PHOTO ATTACHED

XVII. RESERVES: PROVEN none CALCULATIONS ATTACHED PROBABLE

CALCULATIONS ATTACHED POSSIBLE 100 tons CALCULATIONS ATTACHED

DISCUSSION

XVIII. REFERENCES AND REMARKS

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine IONA

Date March 1980

District Pine Grove, Yavapai

Engineer Ken A. Phillips
Richard R. Beard

Subject: Samples

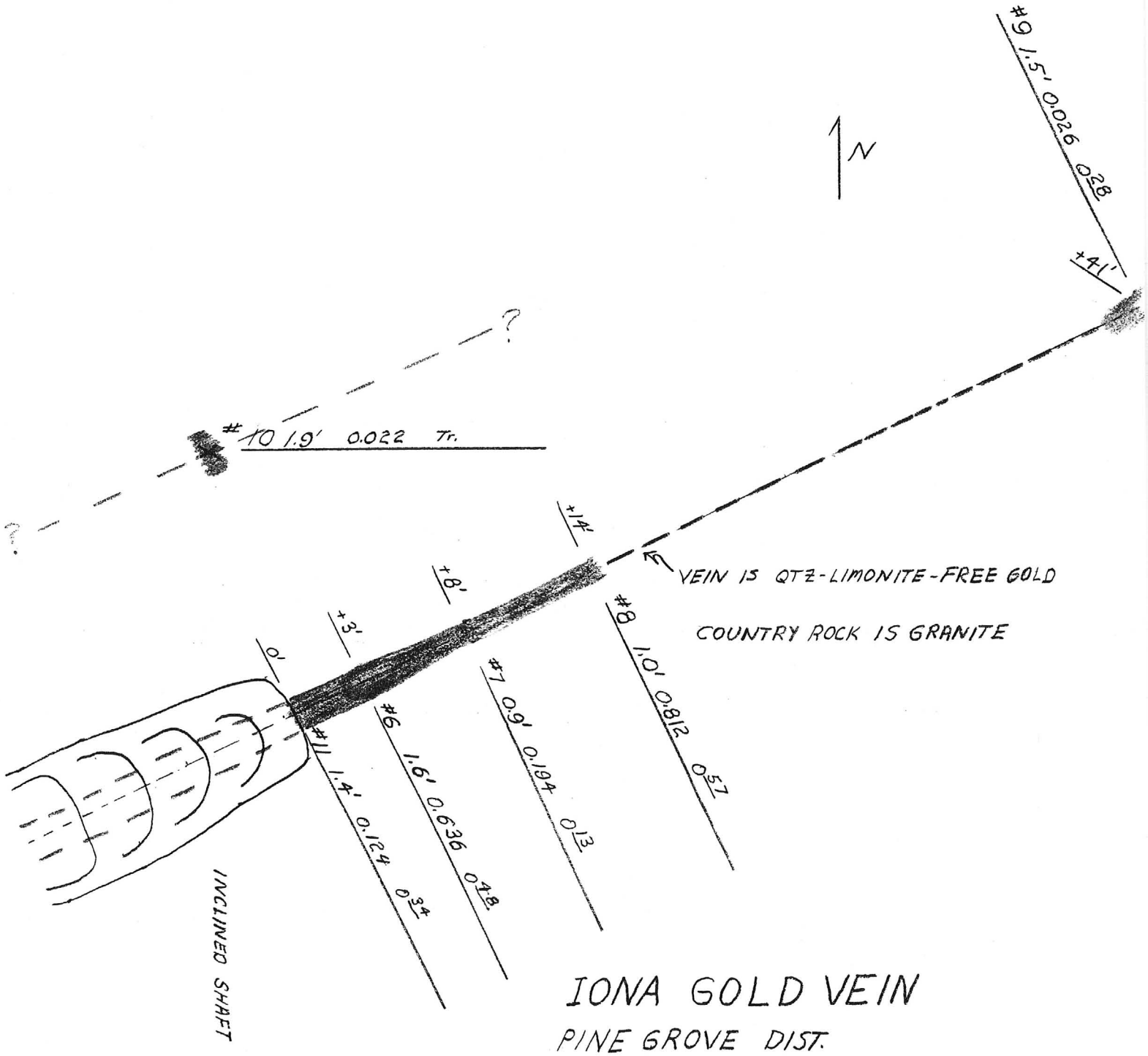
Number	Location and Description (Locations shown on Iona Lode Claim Sketch Map)	Width	Results gold Tr.oz/ton	Results silver Tr.oz/ton
1.	West end of cut across vein just off road to the east. Quartz, clays, and limonite.	1.0'	.016	.03
2.	East remainder of vein in #1 above. Vein strikes N20°E 7/1 feet in width	6.1'	.034	tr
3.	Same vein as above approx. 100' NE of sight of #1 & 2. Vein strikes N30°E.	3.0'	.044	.14
4.	Not assayed			
5.	Not assayed			
6.	Iona Gold Vein (see map of Iona Gold Vein)	1.6'	.636	.48
7.	Iona Gold Vein (see map of Iona Gold Vein)	0.9'	.194	.13
8.	Iona Gold Vein (see map of Iona Gold Vein)	1.0'	.812	.57
9.	Iona Gold Vein (see map of Iona Gold Vein)	1.5	.026	.28
10.	Vein approx. 11' NW of Iona Gold Vein and parallel quartz-iron stained altered granite.	1.9'	.022	tr
11.	Iona Gold Vein (see map of Iona Gold Vein)	1.4'	.124	.34
12.	Arrastra Tailings	N.A.	1.282	10.02
13.	Not sampled. The location of a short drift and winze on vein which reportedly produced 100 tons of gold, silver, lead and zinc ore worth over $100 per ton.			

Field Engineers Report
Iona Gold Mine
Sample Report

Number	Location and Description	Width	Results	
			gold Tr.oz/ton	silver Tr.oz/ton
14.	Trench north of Iona Gold Vein workings. Quartz tein with limonite	2.0'	.138	.08
15.	South wall of shaft. Across vein	2.2'	.052	.19
16.	North wall of shaft Across vein.	4.5'	.076	.21

BY ..... DATE ..... SUBJECT ..... SHEET NO. ..... OF .....

CHKD BY ..... DATE ..... JOB NO. .....



IONA GOLD VEIN

PINE GROVE DIST.

YAVAPAI CO. AZ

MARCH 1980

SAMPLE DATA

SAMPLE NO.	WIDTH	GOLD IN TROY OZ/TON	SILVER IN TROY OZ/TON

KEN A. PHILLIPS

IRON KING ASSAY OFFICE

ASSAY CERTIFICATE

Ken

BOX 247 — PHONE 632-7410
HUMBOLDT, ARIZONA 86329

REGISTERED ASSAYER CERTIFICATE NO. 2978 WALTER G. STATLER Date Signed 4/7/80 ARIZONA U.S.A.

279-0629

ASSAY MADE FOR

F. W. RUSSELL
6515 Glidden Lane
San Diego, Cal. 92111

April 5, 1980

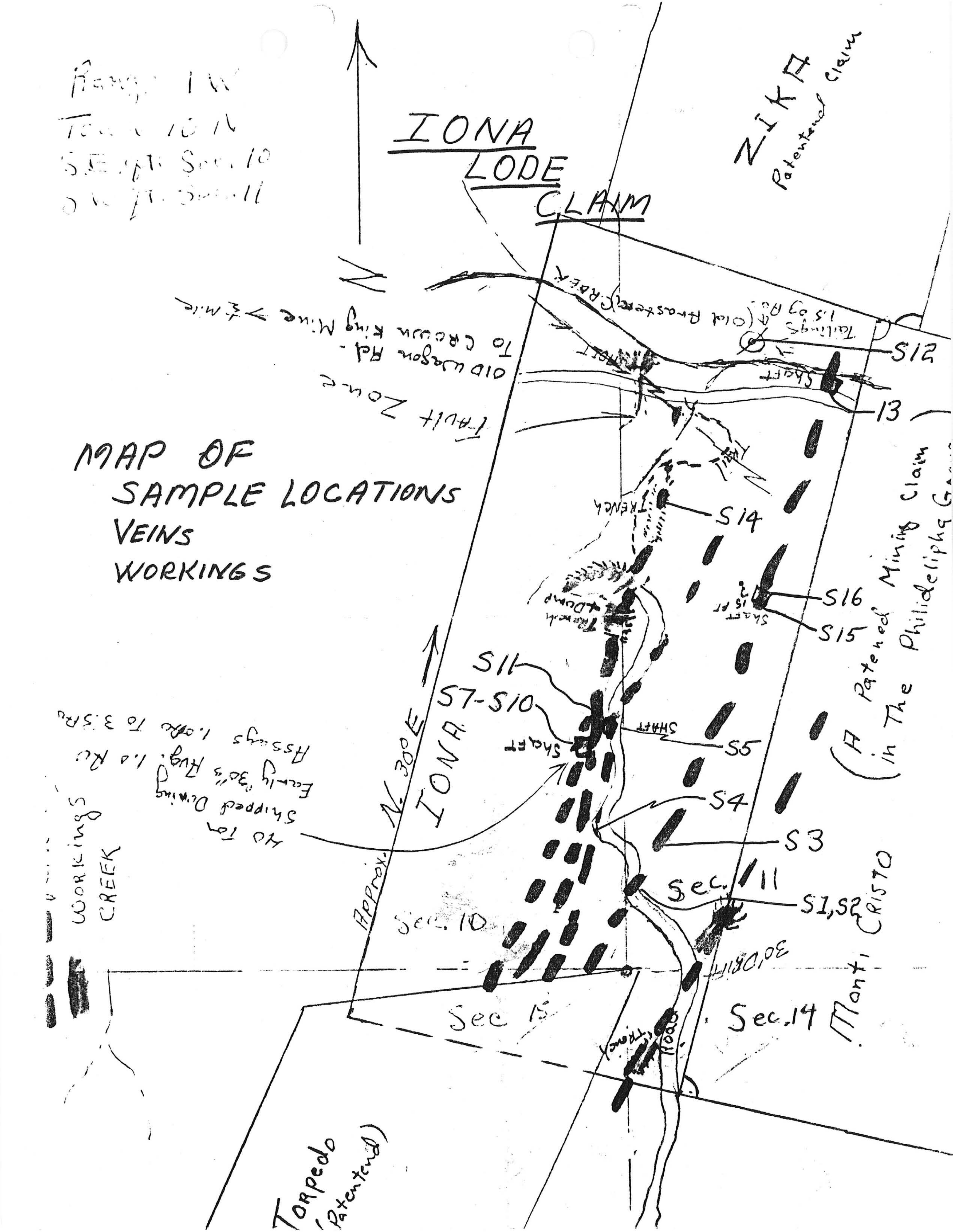
SAMPLE DESCRIPTION		Ref no.	Gold oz/ton	Silver oz/ton
Iona	S1	03-27-1	.016	0.03
"	S2	-2	.034	Tr
"	S3	-3	.044	0.14
"	~~S4~~ S6	-4	.636	0.48
"	~~S5~~ S7	-5	.194	0.13
"	~~S6~~ S8	-6	.812	0.57
"	S9	-7	.026	0.28
"	S10	-8	.022	Tr
"	S11	-9	.124	0.34
"	~~S12~~ I12	-10	1.282	10.02
"	#14	-11	.138	0.08
"	I15	-12	.052	0.19
"	I16	-13	.076	0.21

Iona Mine

RECEIVED
APR 28 1980
DEPT. MINERAL RESOURCES
PHOENIX, ARIZONA

CHARGES $100.25 paid

ASSAYER



IONA
LODE
CLAIM
ZIKA
Patented claim
MAP OF
SAMPLE LOCATIONS
VEINS
WORKINGS
Fault Zone
Old Wagon Rd. - To Crown King Mine > ½ mile
Tailings
Shaft
S12
13
Trench
S14
S16
S15
S11
S7-S10
Shaft
S5
S4
S3
S1,S2
Sec. 11
Sec. 10
Sec 15
Sec. 14
30' DRIFT
Road
Approx. N. 30° E
IONA
40 Ton Shipped During Early 30's Avg. 1.0 Au
Assays 1.0 to 3.5 Au
(A Patented Mining Claim in The Philidelipha G...
Monti Cristo
Torpedo (Patented)
WORKINGS
CREEK

IRON KING ASSAY OFFICE

ASSAY CERTIFICATE

BOX 14 — PHONE 632-7410
HUMBOLDT, ARIZONA 86329

ASSAY MADE FOR: CHARLES A. NELSON
Camp Wood Rt.
Prescott, Ariz.

July25, 1973

DESCRIPTION	oz/ton Au	oz/ton Ag		% Fe	% Pb	% Zn	% Cu
Iona calic [illegible]	1.030	0.75					

CHARGES $3.75 paid

ASSAYER [signature]

IRON KING ASSAY OFFICE

ASSAY CERTIFICATE

BOX 14 — PHONE 632-7410
HUMBOLDT, ARIZONA 86329

ASSAY MADE FOR

CHARLES A. NELSON
Campwood Rt.
Prescott, Ariz. 86301

June 14, 1973

	DESCRIPTION	oz/ton Au	oz/ton Ag		% Fe	% Pb	% Zn	% Cu
Farm	Sample #1 Arrastra Tails	1.464	5.54	$160.25				
	" #2 Fault gouge	.035	0.77	$4.42				
	" #3 Trench	.210	3.47	$29.67				
	" #4 Slag	.635	8.03	$86.57				
	All [illegible] [illegible]	[illegible]		Claim				

CHARGES $15.00 paid

ASSAYER Walter G. Statler 6/14/73

IRON KING ASSAY OFFICE

ASSAY CERTIFICATE

BOX 14 — PHONE 632-7410
HUMBOLDT, ARIZONA 86329

ASSAY MADE FOR

Charles Nelson
Williamson Valley Rd
Prescott, Ariz. 86301

July 9, 1973

DESCRIPTION	oz/ton Au	oz/ton Ag		% Fe	% Pb	% Zn	% Cu
Iona Claim Vein Cut	3.05	2.05					

CHARGES $3.75 paid

ASSAYER WALTER G. STAILER

United States Department of the Interior

IN REPLY REFER TO

~~3833~~ (952)

BUREAU OF LAND MANAGEMENT
ARIZONA STATE OFFICE
2400 VALLEY BANK CENTER
PHOENIX, ARIZONA 85073

October 23, 1979

Mr. Charles Nelson
Star Rt. Cordes Lakes
Mayer, Arizona 86333

Dear Mr. Nelson:

This acknowledges receipt of the notice of mining location and the Affidavit of Labor Performed and Improvements Made for the Iona mining claim. You will be notified in the future of the serial number assigned to your claim.

We are processing a refund of $5.00 as there is no fee for filing an Affidavit of Labor Performed and Improvements Made document.

Thank you for your cooperation in this matter.

Sincerely yours,

Robert L. Patterson

Chief, Branch of Records and
Data Management

IONA MINING CLAIM

The IONA mining claim is located one mile northwest of Crown King, in Arizona, & ¼ mile southeast of the Crown King Mine. R.1W T10N SE.qt.sec.10,SW.qt.sec.11.

Topography is moutainous. The elevation at the mine site is 6200 ft.

There is water in the stream at the north end of the Iona nearly all year. Average rainfall is around is 30 inches yearly.

Mining has been carried on in the Crown King District for over a hundred years. Gold & Silver were the cheif metals mined. The largest producer in the area was the Crown King Mine. Records indicate that between 1888 & 1900 the Crown King Mine produced $1,500,000.00 with gold being figured from $8.00-$16.00 per. oz.

Other notable mines in the area were the Ore Bell, Tiger, Lincoln, & Gladiator. Due to the goldsmine closing order at the start of World War II, most of the mines closed down. Since 1948 the district has been dormant; save some attempts to operate the Savoy Mine & some Core Drilling in the area.

With gold at $35.00 per. oz.; high mining and shipping, until recently, it has been uneconomical to operate mines in the area the last 35 years.

The basic rocks of the Bradshaw Mt. Range are metamorphic schist with diorites & granites intruding.

The veins on the Iona claim appear tobe true fissure veins in granite & grandodiorite. The veins bend in various places, but the general trend of the strike is N.30°E. The dip is coconstantly near 70° dipping west.

The veins show a gouge on the hanging wall. This gouge has a blueish color when ore shoots are encountered.

The ore is quartz stained with hematite. The gold is finly divided and in it's crystaline form, usally a three-sided pyrmid.

An old arastera, located on the claim, shows extensive wear. Ore that was ground in this primitive mill was mined from the obviously old trenches on the Iona veins, probably before the turn of the century. The tailings left there assay 1.5 oz. AU.

Estimated equipment and setup cost

Milling Equipment

Item;	
1 pump 1½"----------	$500.00
600' plastic pipe 1½"-- ----- ----------	200.00
Ass. fittings- ----------	100.00
1 Water Tank (fiber glass)----------	500.00
1 Jaw Crusher (8"X10")----------	1500.00
Power Plant (15 H.P.)----------	1950.00
Ball Mill rebuild----------	1000.00
(2 sets 8" steel balls,12 ea.)	
Copper sceen 40 mesh, 25'----------	100.00
Gear reduction----------	300.00
Power Plant(15 H.P.)----------	2000.00
1 8-ton ore bin----------	500.00
1 belt feeder (conveyer)----------	800.00
with motor	
Ass. lumber (troughts ect.)----------	500.00
Ass. Hardware (bolts, nuts, nails, ect.)-----	100.00
Amalgame plates-- ----------	300.00
1 flask mercury----------	300.00
Ass. chemicals(reagents)----------	100.00
Cutting torch & acessiories----------	1000.00
Arc welder & acessiories----------	2500.00
Portland cement 50 sacks----------	500.00
Concrete aggreagate 10 cu. yd.----------	300.00
Small Concentrating Table----------	2500.00

Mine set-up.:

Initial excavation (backhoe rental)---------	2000.00
Timber 2X8 & 8X12 lagging---------- -----	4000.00
(5000 board ft.)----------	
Mine wedges (8 bundles)----------	60.00
*Dynamite (6 cases)----------	500.00
Cap & Fuse	
*1 ore car (1 ton car.)----------	500.00

MINE SET-UP CONT.

Mine rail 500'----------$5000

Sinking hoist & power plant ----------30000
Cable & bucket

Ass. hand tools, headlights,
& Saftey Equipment, ect.----------1000.00

Fuel, oil, lube. equip.----------1500.00

Labor, Two Men for Three Months----------12,000.00

Travel & Hauling Expenses---------- 2500.00

Assays & analysis---------- 500.00

*Compressor, Drill & Accesories 45,710

Lease-Purchase----------Approx. $1500.00 per Mounth

46610

*Would not be needed until operation was in process.

STATE OF ARIZONA, County of Yavapai—ss.
I do hereby certify that the within instrument was filed and recorded at request of Charles A. Nelson
on June 20 A.D., 1973 at 10 o'clock A M. Book 846 Official Records
Page 123 Records of Yavapai County, Arizona.
WITNESS my hand and official seal the day and year first above written.
INDEXED Microfilmed
PATSY C. JENNEY, County Recorder
By Joan C. Bailey Deputy

Notice of Mining Location

LODE CLAIM

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the I O U A Mining Claim, situate on land belonging to the United States of America, and in which there are valuable mineral deposits, was entered upon and located for the purpose of exploration and purchase by Charles A. Nelson and/or Lona Marie Nelson

Citizens of the United States

(Locator must insert either "A Citizen of the United States," or "Who has declared his intention to become a Citizen of the United States.")

the undersigned, on the 10th day of June, 19 73.

The length of this claim is 1500 feet and the claim 300 feet in a Northerly direction and 1200 feet in a Southerly direction from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim together with 300 feet in width of the surface grounds, on each side of the center of said claim. The general course of the lode deposit and premises is from the North to the South.

The claim is situated and located in the Pine Grove Mining District, in Yavapai county, in the State of Arizona, about one (1) mile in a Northerly direction from the Crown King Post Office & one-half (½) mile southeast of the Crown King Mine, & is boundried by the Monti Cristo, Tornedo, and Zika Patented Mining Claims.

The surface boundaries of the claim are marked upon the ground as follows:

Beginning at a 4x4 wooden post monument

at a point in a ~~northerly~~ direction 300 feet from the discovery shaft (at which this notice is posted), being in the center of the north end line of said claim; thence 300 feet to a 4x4 wooden ~~post~~, being the ~~northwest~~ corner of said claim; thence 1500 feet to a 4x4 wooden post being at the southeast corner of said claim; thence 300 feet to a 4x4 wooden post at the center of the south end of this claim; thence 300 feet to a 4x4 wooden post, being at the southwest corner of said claim; thence 1500 feet to a 4x4 wooden post at the northwest corner of said claim; thence 300 feet to the place of beginning.

Dated and posted on the ground this 10th day of June, 19 73

Everett E. Yarnell
Witness

Lona Marie Nelson
Locator(s)

BOOK 846 PAGE 123

STATE OF ARIZONA }
COUNTY OF ..... } ss.

I hereby certify that the within instrument was filed and recorded at

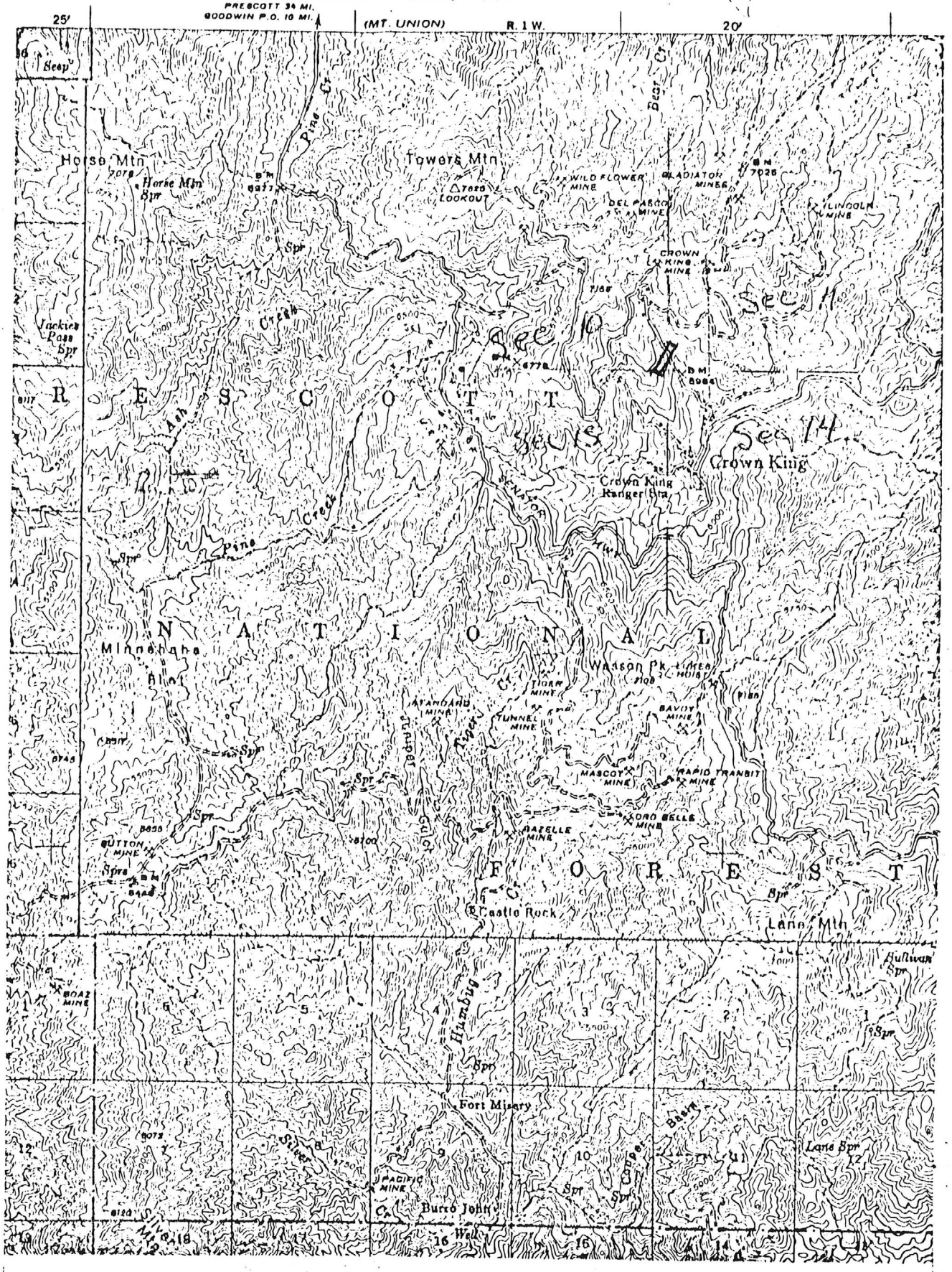
request of .....

.....

on ..... at ..... M. Docket

Witness my hand and official seal the day and year aforesaid.

.....
County Recorder.

By .....
Deputy Recorder

UNITED STATES
DEPARTMENT OF AGRICULTURE
FOREST SERVICE