4--688

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

MINERA	L SU	RVEY	NO.	4441
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•••••		Arizona	Land District.
	FI	ELD NOTE	S
	Of The Surv	rey Of The Mining	Claim Of
	Phe	elps Dodge Corpor	ation
		Known As The	
	Re	edwall No. 66 (pla	cer)
		Verde	Mining District
	Yavapai	County,	Arizona
tion .	20 Towns	hip 16 North	Range 2 East, G.& S.R.
	veyed under order dated		
		by	Richard L. Merritt Mineral Surveyor.
	Claim located	November 7	, 19.55
	Survey commenced	November 15	, 19.57
	Survey completed	November 29	, 19.57
	Address of claimant	Evans, Kitchell Phoenix, Arizona	and Jenckes, Attorneys
		OF AMENDED LOCATI	
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Survey No. 4441

Feet	This survey was made with a Gurley transit No. 50962, with horizontal limb 6.25 ins: diam., having two double opposite verniers and full vertical circle 5 ins. diam., having one double vernier; the verniers read to one minute of arc. The eyepiece is equipped with a colored shade set in the dust shutter for making direct observations upon the sun. The instrument was in good condition at the time of the survey and all adjustments were in good order.
. I h R 6 -	All azimuths in this record were determined by the method of deflection angles referred to the meridian determined by the following observations:
s. 53°	November 22, 1957; at cor. No. 1 of the Redwall No. 66 placer, in latitude 34° 45' N. and longitude 112° 08' 50" W., I made a series of six altitude observations upon the sun for azimuth at approximately equal time intervals, three each with the telescope in direct and reversed positions, observing the opposite limbs of the sun and reading the horizontal angle from cor. No. 4 of Redwall No. 66 placer to the right to the sun.
	Mean time of observation, 105 meridian standard time 10h26m30s a.m.
	Declination of sun at mean time of observation -20° 11' 10" S.
Apres	Mean observed vertical angle to sun's center -29° 28' 52"
20.00	193619 00 .03 116779 .8578 18001
	Mean horizontal angle from cor. No. 4 to sun's center -105° 58' 20"
R. 2 Proučett	
th locar deticn were le	The lines were measured with a Lufkin steel tape, 300 ft. in length, graduated every foot, the first and last foot being graduated to tenths and hundredths. The tape was compared with a Lufkin standard tape at the time of beginning the survey and found to be correct.
awa ejmen bise n	
:EW	flot as ere present at to the claims of the grander
9 (3)	REDWALL NO. 66 (PLACER)
M. 83.º 561 acor, The angle on the	River Meridian, an iron post with a brass cap, 2 ins. diam., 18 ins. above ground, firmly set, marked and witnessed as described in the official record.
. deglip, 3. co	Thence West
223.0	Center of road, bears S. 61° 00° E. and N. 61° 00° W.
660.0	Cor. No. 2.
	Set a granite stone, 36x12x6 ins., 18 ins. in the ground, mkd. X 2 R 66 - 4441.
	Thence N. O° O2' W.
1320.0	Cor. No. 3.

e. s. COVERNMENT PRINTING OFFICE 16-28820-2

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Survey No. 4441

Chains Feet Set a malapais stone, 30x12x8 ins., 16 ins. in the ground, mkd. X 3 R 66 - 4441. eloric the variation read to or mir ero of east white the wester with cor. No. 4. sembnaturian on the state of the content was in the cor. No. 4. 660.00 Set a limestone, 36x12x4 ins., 18 ins. in the ground, mkd. X 4 R 66 प्राप्ती, from which A limestone, 5x2.5 ft., 8 ins. above the ground, bears N. 60° . 49° W., 22.51 ft., mkd. X.B.R.4 R 66 - 4441. A limestone, 6x10 ft., 5 ft. above the ground, bears S. 53° 41' W., 49.44 ft., mkd. X.B.R.4 R 66 - 4441. di lo ac Lisubes Thence S / 0° 02 E. Center of road, bears N. 87° E., and S. 87° W. 493.0 Cor. No. 1, and place of beginning. 1320.0 in the latest the section of the sec 2 MOI AREAS Acres almus of signs Isolfier beviette desil Total area, Redwall No. 66 placer 20.00 LOCATION CONTRACT CON -305" 581 201 This survey is located in the SE4SE4 of sec. 20, T. 16 N., R. 2 E., Gila and SaIt River Meridian, unsurveyed, within the Prescott National Forest The survey of the Redwall No. 66 placer is identical with location or amended location as marked on the ground. The location E Erentin monuments, all mounds of stone, 3 ft. base by 3 ft. high, were rebuilt alongside. di to tentor dosa in bevrand EXPENDITURES The improvements and the value of the labor and improvements made upon or for the benefit of the placer location embraced in said mining claim by the claimant or its grantors are as follows: An interest in a common improvement described as follows: No. 1. An incline diamond drill hole, the center of which bears N. 81° 58' W., 294.60 ft. from cor. No. 1 of the Redwall No. 66 placer. The course of this drill hole is S. 81° E. and the vertical angle measured from the horizontal is 60°; the depth measured on the incline is 1115.0 ft. The diam. varies as follows: surface to 15.0 ft., depth 3 5/8 incs., 15.0 ft. depth to 306.0 ft. depth, 3 ins., 306.0 ft. depth to 700.0 ft. depth, 2 3/8 ins., 700.0 ft. depth to bottom 1115.0 ft. depth, 1 7/8 ins. Value, \$12,188.54 Set a granice stone, 36x12mb inn., 18 ins. in the ground, Thomas M. O' GA! W. 15 20.0 Cot. No. 3.

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From the common improvement of this claim, the common improvements on Redwall No. 48, No. 41 and No. 40, placers of Survey No. 4440 and the common improvements on 69 Redwall placers, listed below, patented under Patent No. 1172648, all contiguous placer claims owned in common.

\$500. is credited to the placer of this claim.

Sontiguous Patented Redwall Placer Claims of the Group

Redwall No. 12 through 39 inclusive
Redwall No. 42 through 47 inclusive
Redwall No. 49 through 65 inclusive
Redwall No. 67 through 73 inclusive

The common improvements as done on this group, and their total cost, and that portion of their total cost that was applied towards the group improvement is as tabulated below:

一层的	L'ENGER.	erid	mi jeggsj	artecah Lanen	Applied	
amerio e	Item	draje	ed on arms	Total Cost	Cost	Difference
Liggerra . T	SJORE	BLEEF	. accerean	to commo lo tim	continuos :	
Diamond	Drill	Hole	R-1	\$ 1,713.40	\$ 1,713.40	\$ 0
posin end	II 5	et Have	R-2	1,314.20	1,314.20	0
li li	11	11	R-3.o.t.	1,904.80	1,904.80	0
II .	11	11	R-4	1,849.20	1,849.20	0
11	11 30	OA HOUSE	R-5	1,826.70	1,826.70	0
ft .	11	Ħ	R-6	1,484.10	1,484.10	0
11	11	- 11	R-7	1,582.00	1,582.00	0
R	11	11	R-8	1,838.70	1,838.70	0
ACTOR TO	ON PERSON	Hola	R-9	1,378.70	1,378.70	0
11	11	11	R-10	1,822.00	1,822.00	0
11	11	11	R-11	12,188.54	3,466.24	8,722.30
11	11	11	R-12	954.30	954.30	0
11	11	en II Adio	R-13	709.40	709.40	0
H	11	11	R-14	1,586.10	1,586.10	0
11	11	11	R-15	1,614.00	1,614.00	0
E E	1	11	- J.			Maria de Olive
11	11	11	R-16	1,780.40	1,780.40	0
11	11	11	R-17	3,177.06	3,177.06	0
	Ų.					
Construc	tion o	of dri	ill roads	6,725.00	6.725.00	0
				\$45,448.60	\$36,726.30	\$8,722.30

These statements are fully conformable with the intentions of the applicant as stated in the patent application of the 69 patented claims of the Redwall Group, as quoted below:

"The locations of each of the diamond drill holes and of the new roads constructed and old roads improved are shown on the map attached hereto as Exhibit 3 and by this reference made a part hereof. All of said work and improvements was done for the benefit of the group of claims for which patent is herewith applied, together with Redwall unpatented placer mining claims numbered 40, 41, 48 and 66, which were located by and at all times have been and now are owned and held by Phelps Dodge Corporation, as a part of the general system for prospecting, exploring and developing said claims as a contiguous group and all of said work and improvements was located, done and performed to benefit each claim in the amount of not less than \$500. The total cost and value of said work and improvements was in the amount of not less than \$36,726.30, of which amount \$2,000.00 is allocated for the

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for the benefit of said Redwall unpatented placer mining claims numbered 40, 41, 48 and 66 and the balance, namely, \$34,726.30 is allocated for the benefit of the placer mining claims for which patent is herewith applied."

For clarification of these statements and facts, an engineering map of the Redwall Claims is herewith attached.

For clarification of the proportioning of monies expended on diamond drill hole number R-11 it is herewith pointed out that this hole was drilled at a predetermined inclination and bearing so that it would pass beyond the Redwall No. 66 claims south boundary at a point within the Martin dolomite. This first 445 ft. of R-11, drilled at a cost of \$3,466.24, tested the thickness, and gave samples for analyses of, the favorable Redwall Mississippian limestone, and was applied as a common improvement to the development of the 73 placers of the Redwall group. The remaining 670 ft. of the hole, drilled at a cost of \$8,722.30, was directed to test a potential mineral deposits target in the underlying pre-Cambrian schist to the south that is situated on unpatented lode claims that are contiguous and of common ownership. This latter expenditure was reserved to the future credit of these unpatented lode claims and was in no way claimed or used as an improvement to the placer claim or claims herein under consideration.

OTHER IMPROVEMENTS

None. U) . G

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384,1 े जु म OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA

None. 2 440

I-9. 11. OL. OT. FIELD ASSISTANTS

white of the Reducil Group, as reosed below:

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William R. Amburn

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There statements are fully conformally with the intention of the operated applicants as attacked in the ortanted

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DESCRIPTIVE REPORT ON REDWALL NO. 66 PLACER SURVEY NO. 4441

IODES06

The soil of Redwall No. 66 placer is clay and limestone. Vegetation consists of a few cedar trees and oak brush. No streams traverse the area embraced in this claim.

The character, extent and position of all surface and underground workings for mineral purposes and their cost is as follows:

No. 1

The incline diamond drill hole, the center of which bears N. 81° 58' W., 294.60 ft. from Cor. No. 1, Redwall No. 66 placer. The course of this drill hole is S. 81° E. and the vertical angle measured from the horizontal is 60°; the depth measured on the incline is 1115.0 ft. The diam. varies as follows: surface to 15.0 ft. depth, 3 5/8 ins., 15.0 ft. depth to 306.0 ft. depth, 3 ins., 306.0 ft. depth to 700.0 ft. depth, 2 3/8 ins., 700 ft. depth to bottom 1115.0 ft. depth, 1 7/8 ins.

Value \$12,188.54

The nearest center of trade is the town of Jerome, Arizona, which lies northeasterly 2.1 miles from this claim. Jerome is on State Highway 89-A, 33 miles from Prescott, the county seat of Yavapai County, Arizona.

This claim does not conflict with any patented or unpatented claims. A great number of patented claims lie to the northeast, east, and southeast of this claim. These claims comprise the Verde Mining District, one of the oldest and most highly developed districts in the State of Arizona. The approximate center of the Verde Mining District lies 1.5 miles in a northeasterly direction from this claim.

No mines, millsites, salt licks or salt springs are known to exist on this claim.

Water is not available on this claim. However, a dry process will be used in mining.

Richard L. Merritt Mineral Surveyor

DESCRIPTIVE LABORATED NO. 60 HACER

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the incritter, extent and position or all surface and underground weather a regime for material perposes and their cost is at incline:	
The inquire diamend dillings, du senier of mylich bears N. 81° 101 M., 23', on it. from for ht. 1, admin. No. 00 places. The course of inte full hole is 8. 81° E. and the werelist fille mess red from the northeness, is 00° from depth mess and on the indiame is 1015.0 fr. And diam. varies as fillows: suiface to 11. st. depth 3 5/2 ins. The depth to 200.0 it. depth to 70 N. 1 tt. depth to 200.0 it. depth depth 17/40 ins.	10.1
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No mines, thresites, make their or sate appings and allows to extag an enter allows.	
Wat in in mot minished on this claim. Nowever, a day process will be used in confin.	
Sakaran . Anadah Toyayana . Basai :	

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CERTIFICATE OF SURVEYOR

			Novem	per 29,	, 19_57_
I, Richard	d L. Merritt			***************************************	,
Mineral Surveyor, hereby certify upon	honor that in purs	uance of an or	der received fro	om theQ	ffice
of Cadastral Engineer	, at	Phoen	x, Arizona		
dated October 29, 1957	, I]	have faithfully	and correctly	executed th	e survey of
the mining claim of	Phelps Do	dge Corporat	ion		
known as the	Redwall N	o. 66 places	2		
situate inSE ½ SE ½ Se					
г. <u>16 N.</u> , R. <u>2 E.</u>	, G. and S. R	. uns. Me	ridian, Ari	Zona (State)	, and
executed by me and under my direction the Manual of Instructions for the Survidescribed in the foregoing field notes, an upon or for the benefit of theplace claimant(s) oritsextent, location, and itemized value the portion of, or interest in, said labor and of expenditures upon any other claim.	ey of the Public Land I do further certicer (Lode or placer) grantors are fully sereof are specified the	ids of the Unify that the lab labeled location(s) stated in my referred with pa	ted States, and por expended ar embraced in the eport therein, a rticularity and	in the spec nd improver e said minin and that the full detail,	ific manner nents made ng claim by e character, and that no
Prescott, Arizona (Place)	ERTIFICATE OF		hard Su (Mineral Su	F. M.	errite
	Bure	eau of Land	Management	Survey Of	fice
		Phoenix,	Arizona	March 1	1 , 19 59
The foregoing field notes of minera	al survey No. 4441	, in		(Date)	
Section 20, T. 16 N	^I • , R	2 E.	Gila & Salt	River	Meridian,
Arizona , executed by	Richard L. Men	rritt		, Minera	l Surveyor,
under order dated <u>October 29, 1</u> corrections made prior to their certificate hereby approved.	.957ation by the surveyo	, having been or, the field no	critically exami otes and the su	ined and the rvey therein	e necessary n described
			Lester &	Massa	
			Lester S. Mann Office Cadastral Engineer		
			(Title		
	ERTIFICATE OF T	RANSCRIPT			
I CERTIFY that the foregoing transcs a true copy of the original field notes.	eript of field notes o	f the above des	scribed mineral	survey No	
			<u> </u>		

(Title)

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