Form 3860-10
(October 1979)
(formerly 3400-11)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

Mineral Survey number: 4811
State: Arizona
Land District: Arizona

Of the Survey of the Mining Claim of *(name and address of Claimant)*

Hemphill Brothers, Inc.
5427 Ohio Avenue So.
Seattle, Washington 98134

Known as the *(name of group, if any)*

CONSISTING OF LOCATIONS NAMED AND LOCATED AS FOLLOWS

NAME OF LOCATION	DATE LOCATED	DATE AMENDED
COMET MILLSITE	9/25/79	

Mining district			County	
Hassayampa			Yavapai	
Section	Township	Range	Meridian	Survey under order dated
18	13 North	2 West	Gila & Salt River	Dec. 16, 1980
Survey commenced	Survey completed		Name of Mineral Surveyor	
May 15, 1981	May 17, 1981		Jack M. Kesler	

Form 9600-19
(May 1978)
(formerly 9180-21)

FEET

This survey was made with a Teledyne Gurley Precise Transit, No. TU-4855, with horizontal limb 5-1/8 ins. diam., having two double opposite verniers reading to thirty seconds of arc, and full vertical circle 5 ins. diam., having one double vernier reading to one minute of arc; the instrument was in good condition at the time of the survey and all adjustments were in good order. The eyepiece is equipped with a colored glass set in the dust shutter and the reticle is equipped with a solar circle for making direct concentric observations upon the sun.

All azimuths in this record were determined by the method of double horizontal angles to the right referred to the meridian determined by the following observations:

May 16, 1981, at a point N.58°39'E., 242.1 feet from Cor. No. 1 of the COMET MILLSITE, in latitude 34°30'10"N., and longitude 112°30'W., barometric pressure 23.55 inches of mercury, and temperature 62°F., make a series of six altitude observations on the sun for azimuth at approximately equal time intervals, three each with the telescope in direct and reversed positions, observing the geometric center of the sun, and reading the horizontal angle to the right from a reference point situate 1.5 miles to the Northeast.

Mean time of observation, 105th meridian standard time:	$8^h43^m46^s$ a.m.
Declination of sun at mean time of observation:	19°10'42"N.
Mean observed vertical angle to sun's center:	38°43'30"
Mean horizontal angle from reference point to sun's center:	83°36'45"
True bearing to reference point:	N.8°41'E.

The lines were measured with a Hewlett-Packard 3800A Electroptical Distance Measuring Instrument, No. 0987A00134; a Lufkin steel tape, 300 feet in length, graduated every foot, with an additional foot at the zero end graduated to tenths and hundredths; and a Keuffel and Esser steel tape, 100 feet in length, graduated every foot, with an additional foot at the zero end graduated to tenths and hundredths; the EDMI and both tapes were compared with a standard of the Mohave County Department of Engineering and found correct.

All lines and connections of this survey were run by direct methods where the lines are accessible; the inaccessible lines were run by traverse methods, as shown by the calculation sheets herewith submitted.

The magnetic declination observed at each corner of the survey gave a uniform value of 12°30'E.

COMET MILLSITE

At Cor. No. 1 of the COMET MILLSITE, on line 1-2, M.S. 2677, Comet lode, in latitude 34°30'10"N., longitude 112°30'W.

FEET	
	Set an iron pin, 5/8 ins. diam., 24 ins. long, 22 ins. in the ground, with stone mound alongside, with aluminum cap mkd. 1 CMS 4811 | COMET 2677 from which The 1/4 sec. cor. of secs. 17 and 18, T.13N., R.2W., G. & S.R.M., bears N.10°08'E., 1135.3 ft. dist., monumented with a G.L.O. brass cap, firmly set and properly marked, as described in the official record. Cor. No. 1, M.S. 2677 Comet lode, bears N.21°23'E., 468.3 ft. dist. Thence S.21°23'W.
75.	Road, 10 ft. wide; bears N.74°E. and S.74°W.
240.	Ridge bears NW and SE.
256.	Enter Road, 10 ft. wide; bears S.21°W. and N.52°E.
324.	Leave Road, 10 ft. wide; bears N.34°W. and N.21°E.
359.	Road, 10 ft. wide; bears N.42°W. and S.42°E.
487.	Road, 10 ft. wide; bears S.73°W. and N.73°E.
537.	Road, 10 ft. wide; bears N.47°W. and S.47°E.
595.	Road, 10 ft. wide; bears N.49°W. and S.49°E.
600.0	Cor. No. 2, on line 1-2, M.S. 2677 Comet lode. Set an iron pin, 5/8 ins. diam., 24 ins. long, 22 ins. in the ground, with stone mound alongside, with aluminum cap mkd. 2 CMS 4811 | COMET 2677 from which Cor. No. 2, M.S. 2677 Comet lode, bears S.21°23'W., 217.4 ft. dist. Thence N.68°37'W.
363.0	Cor. No. 3, Set an iron pin, 5/8 ins. diam., 24 ins. long, 22 ins. in the ground, with stone mound alongside, with aluminum cap mkd.

FEET	
	3 CMS 4811
	Thence N.21° 23'E.
511.	Road, 10 ft. wide; bears S.59°E. and N.59°W.
600.0	Cor. No. 4,
	Set an iron pin, 5/8 ins. diam., 24 ins. long, 22 ins. in the ground, with stone mound alongside, with aluminum cap mkd.
	4 CMS 4811
	Thence S.68° 37'E.
151.	Road, 10 ft. wide; bears S.87°W. and N.87°E.
363.0	Cor. No. 1, and place of beginning.

AREAS

Total area, COMET MILLSITE 5.000 Acres

LOCATION

This survey is located in Sec. 18, T.13N., R.2W., G. & S.R.M., Arizona, being identical with the location as marked on the ground.

EXPENDITURES

None

OTHER IMPROVEMENTS

A adit, 4 x 6.5 ft. in size, the portal of which bears N.16°35'W., 252 ft. dist. from Cor. No. 2, COMET MILLSITE; thence N.83°E., 52 ft. to face.

A plank ore bin, 13 x 41 ft., 30 ft. deep, the south cor. of which bears N.38°54'W., 162 ft. dist. from Cor. No. 2, COMET MILLSITE; the long sides bear N.40°E.

Claimant of each unknown.

OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA

M.S. No. 2677 Comet Lode; Cor. No. 1 is monumented with a malpais stone; Cor. No. 2 is monumented with a granite stone, both firmly set and properly mkd. Line 1-2 was found to be S.21°23'W., 1285.7 ft., instead of S.21°18'W., 1288 ft., as approved.

FIELD ASSISTANTS

Derle D. Walker.....Chainman

	FEET		

GPO 845-746

Form 3860-7
(November 1976)
(formerly 3400-8)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

06

CERTIFICATE OF SURVEYOR

Name of Mineral Surveyor	Date
JACK M. KESLER	May 20, 1981

I HEREBY CERTIFY That in pursuance of an order received from the Bureau of Land Management, at Phoenix, Arizona, dated December 16, 19 80, I have carefully executed the survey of the claim of the Hemphill Brothers, Inc., known as the ~~(lode, placer, or~~ *mill site)* ~~Comet Mill Site~~ COMET MILLSITE, situated in Sec. 18, Township 13N., Range 2W., Gila & Salt River Meridian, in the State of Arizona.

This survey, designated as number 4811, has been executed by me and under my direction and has been made in strict conformity with said order, the Manual of Instructions for the Survey of Public Lands of the United States, and in specific manner described in the foregoing field notes.

I FURTHER CERTIFY That the labor expended and improvements made upon and for the benefit of the ~~(lode or placer)~~ One (1) Mill Site location~~(s)~~ embraced in the said mining claim by claimant(s) or its grantors are fully stated in my report. The character, extent, location, and itemized value are specified in full detail. No portion of, or interest in, said labor and improvements so credited to this claim has been included in the estimate of expenditures upon any other claim.

Kingman, Arizona
(Location)

Jack M. Kesler
(Signature of Mineral Surveyor)

CERTIFICATE OF APPROVAL

Office
Arizona State Office

Location
Phoenix, Arizona

Date
June 3, 1982

The foregoing field notes of mineral survey number 4811, in Sec. 18, [X] surveyed [ ] unsurveyed Township 13 N., Range 2 W., Gila and Salt River Meridian, in the State of Arizona, executed by, Mineral Surveyor, under order dated Dec. 16, 19 80, having been critically examined and the necessary corrections made prior to their certification by the surveyor, the field notes and the survey therein described are hereby approved.

James P. Kelley
James P. Kelley (Authorized Signature)

Chief, Branch of Cadastral Survey
(Title)

CERTIFICATE OF TRANSCRIPT

I HEREBY CERTIFY That the foregoing transcript of field notes of the above-described mineral survey number is a true copy of the original field notes.

(Authorized Signature)

(Title)

Title 18, U.S.C. section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

GPO 838-009