



## **CONTACT INFORMATION**

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1520 West Adams St.  
Phoenix, AZ 85007  
602-771-1601  
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[inquiries@azgs.az.gov](mailto:inquiries@azgs.az.gov)

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05/29/90

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: LONE STAR MINE

ALTERNATE NAMES:

COCHISE COUNTY MILS NUMBER: 539

LOCATION: TOWNSHIP 18 S RANGE 19 E SECTION 35 QUARTER NE  
LATITUDE: N 31DEG 49MIN 56SEC LONGITUDE: W 110DEG 22MIN 13SEC  
TOPO MAP NAME: BENSON - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:  
FLUORINE

BIBLIOGRAPHY:

KEITH, S.B., 1973, AZBM BULL. 187, P. 91,  
INDEX MINING PROP COCHISE CO  
ELEVATORSKI, 1971, ARIZONA FLUORSPAR ADMMR  
P. 10-12  
ADMMR LONE STAR MINE FILE

LONE STAR MINE (file)

COCHISE CO.

See: Geology (file) By Robert A. McColly & David C. Scott, 1982, Bureau of Mines -  
MLA 129-82, "Mineral Investigation of the Whetstone Roadless Area, Cochise  
and Pima Counties, Arizona.

See: Duncan Fluorspar Mill (file)

C. THIERCOF and JOFFRE )  
 MARCIL, )  
 )  
 Plaintiffs, )  
 )  
 -vs- )  
 )  
 HOWARD A. BIRCHFIELD, SR., )  
 et al )  
 )  
 Defendants. )

**FILED**  
 Time 11:45 a.m.  
 MAR 25 1970  
 M. E. MCPHERSON  
 CLERK SUPERIOR COURT  
 BY *[Signature]*  
 No. 22240  
J U D G M E N T  
*[Signature]*

The above entitled matter came on regularly the 17th day of February, 1970, for trial before the Court without a jury. The Plaintiffs present in person and by James D. Whitney, Esq., and the Defendant, Howard A. Birchfield, Sr., present in person and by James B. Musgrove, Esq., of the law firm of Locklear and Wolfinger.

The Court having heard testimony on behalf of all parties and being fully advised in the premises, and the matter being deemed closed and submitted, the Court finds as follows:

1. The Plaintiffs have proved their chain of title from the original locator of the unpatented mining claims known as Lone Star Nos. 1 through 4, inclusive.

2. The alleged entry, location or relocation, conveyance, and amended location of said claims by the Defendant, Howard A. Birchfield, Sr., and his predecessors in interest, were made in bad faith.

3. The Plaintiffs were in actual possession of the said claims by their agent, Howard A. Birchfield, Jr., at the time of the alleged entry.



DEPARTMENT OF MINERAL RESOURCES  
State of Arizona  
Mineral Building, Fairgrounds  
PHOENIX, ARIZONA

PHOENIX  
APR 3  
6:00PM  
1938  
4R17

NO SUCH STREET  
NUMBER  
318 2<sup>nd</sup> St.

Mr. R. R. MacDonald  
105 So. 14th Ave.  
Phoenix, Arizona

✓  
318 2<sup>nd</sup> St.



PHOENIX  
APR 4  
3-PM  
1938  
4R17

4. The Defendant, Howard A. Birchfield, Sr., has failed to show any abandonment or forfeiture on the part of the Plaintiffs subjecting the said claims to any location or relocation.

It is hereby ORDERED, ADJUDGED AND DECREED:

1. The Counterclaim of the Defendant, Howard A. Birchfield, Sr., is hereby dismissed.

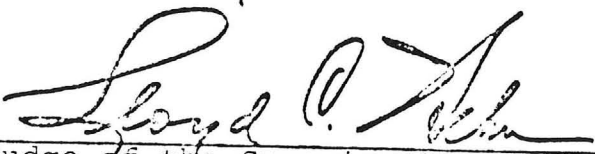
2. The right to possession is hereby quieted in the Plaintiffs to the property described below and quieting against the Defendant, Howard A. Birchfield, Sr., any and all claims, demands or pretenses to any right, title possession, lien, interest or equity in said real property, and forever enjoining, restraining and barring the Defendant, Howard A. Birchfield, Sr., from setting up or making any claim to said real property or any part thereof:

Lone Star Lode Mining Claims Numbers 1, 2, 3 and 4, as the same are recorded in Book 75, Records of Mines, at pages 12, 36, 37 and 38, in the office of the county Recorder, Cochise County, Arizona;

All of said claims being located in Township 18 South, Range 19 East, and constituting one Mining Property commonly called the Lone Star Group of Mines.

3. Plaintiffs have their costs of suit against the Defendant, Howard A. Birchfield, Sr.

DONE IN OPEN COURT this 25<sup>th</sup> day of March, 1970.

  
\_\_\_\_\_  
Judge of the Superior Court

JAMES D. WHITNEY  
Attorney for Plaintiffs  
Box 4339  
Bisbee, Arizona 85603

STATE OF ARIZONA ) ss.  
COUNTY OF COCHISE )

The foregoing instrument is a full, true and correct copy of the original on file in this office.

Witness my hand and seal this June 15 19 72  
W. A. NOWLIN, Clerk

STATE OF ARIZONA  
DEPARTMENT OF MINERAL RESOURCES  
MINERAL BUILDING, FAIRGROUNDS  
PHOENIX, ARIZONA 85007

*Lone Star  
mine*

October 22, 1975

Mr. Dave Taylor  
P.O. Box 331  
Greenville, California 95947

Dear Mr. Taylor:

This will respond to your letter of October 6, 1975 inquiring about the Lone Star Mine in Cochise County.

Enclosed is a copy of Arizona Fluorspar by R. A. Elevatorski and published by the Department of Mineral Resources, which describes general geology of the Lone Star Mine on page 10.

Arizona Bureau of Mines Bulletin 137 published in 1973 and titled "Index of Mining Properties in Cochise County, Arizona" by Stanton B. Keith discloses on page 91 that the Lone Star Mine produced at least 20,000 tons of fluorspar from 1946 through 1967.

Our records reveal that the mine is owned presently by Fluoride Corporation, Rowan Building, 453 South Spring Street, Los Angeles, California 90013. Send to the attention of Mr. David C. Saunders, Director, Secretary and Attorney at Law.

The mine has been and presently is closed by the Mine Inspector's office because of extremely hazardous conditions. Inquiries about the closure and requirements to reopen the mine should be addressed to the State Mine Inspector, 705 West Wing, Capitol Building, Phoenix, Arizona 85007.

Please advise if we can be of further assistance.

Sincerely,

John H. Jett  
Director

VD:jm

C  
O  
P  
Y

October 6, 1975

Mr. Ken A. Phillips  
Minerals Resources Specialist  
Department of Mineral Resources  
State of Arizona  
Mineral Building, Fairgrounds  
Phoenix, Arizona 85007

RECEIVED

Dear Mr. Phillips:

I am very interested in a fluorspar property known as the Lone Star Mine or the H. & D. Mine located in Cochise County, Arizona (Township 18 Range 19 East). If you have any information at all on the past history of this property or any reports are currently available I would appreciate hearing from you.

Thank you very much.

Respectfully yours,

*Dave Taylor*

Dave Taylor

P.O. Box 831

Greenville, Ca. 95957

DET/blp

ABM Bull. 180, p. 349, 351

M 11

*Roy's Ward*

3407 MONTROSE BLVD., SUITE 212  
AREA CODE 713-JA 4-3595  
HOUSTON, TEXAS 77006

AL-205-254-3155

OMEGA MINERALS, INC.  
723 FRANK NELSON BLDG.  
B'HAM ALA - 35213

TO MR GLEN WALKER

10/17/72

LONE STAR MINE.

"THESIS BY BURNET" 290' BOTTOM LEVEL.

LONE STAR CLAIMS 1-2-3 & 4

BOOK 75 RECORDS OF MINES PAGES 12-36-37-38

OWNERS BY COURT ORDER 3-25-70 NO 22240

ALL IN COCHISE COUNTY

"CHET" C. E. THIERCOFF OWNERS

"FRENCHY" JOFFRE MARCIL

THE LAWYER IS DAVE SAUNDERS

ROOM 610 ROWAN BUILDING

458 SOUTH SPRING

LOS ANGELES CALIF. 90013

TEL. 624-3451

*Reportedly mining Fluorspar  
in Mill Pass an Dagon  
- Verbal info from Mrs Camau  
3-16-73  
1- Whitlock brothers C. S. (Chet)  
Mr Arthur Whitlock*

LONE STAR MINE

COCHISE COUNTY

MG WR 8/27/82: Attempted to visit the Lone Star Mine in Cochise County but access was blocked by a locked gate put up by three ranchers in the area. The name and address of one rancher is C. D. Kartchner, Drawer Ax, Benson, AZ 85602. The owner of the Long Star Group, Claims 1-8, is Mr. David G. Saunders, 458 S. Spring St., Los Angeles Calif. 90013.

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NJN WR 4/27/84: Jim Vacek (c) called seeking a source of green massive fluorite. He reported that the Lone Star Mine (file) Cochise County no longer contains any green fluorite on the dump, as it has either been bleached or picked over. Access locked gate which forces a rough "back way" to be used.

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CJH WR 1/4/85: Don Hearn (c) stated that he is the owner of the Lone Star mine in the Whetstone district, Cochise County. He will be in next week to examine our files. He is trying to interest a purchaser.

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There was no one at the Lone Star Fluorspar mine. A number of people, probably specimen hunters, have been digging in dumps and entering the old workings. Some of the signs posted on the property by the former mine inspector are in bad repair. VBD WR 2/23/76

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It is said that Mr. and Mrs. Howard Birchfield, Sr., returned recently to the Lone Star fluorspar mine in the Whetstone Mountains. An eviction order was issued by Superior Court and a deputy was dispatched from Benson to serve the papers. The Birchfields refused to accept the papers and Mrs. Birchfield became so incensed that she drew a pistol on the deputy and Mr. Birchfield procured his rifle and also turned it on the deputy. The deputy somehow talked his way out of the situation and left. A group of law officers returned after dark and arrested both and jailed them in Bisbee. It is said that they are now free under unknown conditions. The owners of the property hired a dozer to go to the property, dig a hole and push all buildings and cabins (including Birchfield's trailer) into the hole and bury them. VBD WR 9/30/76

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Mine visit - Not active, shaft open. GI WR 6-2-77

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Discussed collecting opal from the Lone Star mine in Cochise County with Mark Hopkins. KP/WR 12/16/77, 2/6/78 a.p.

WR MG 1/9/78 - On January 6, checked the Lone Star fluorspar mine in the Whetstone Mountains (Cochise County). There appears to have been no recent activity at the mine; the buildings have been destroyed but the head frame is standing. 2/21/78 sef

April 28, 1982

Telephone call from Mr. John Russell, Tempe, Arizona phone 967-4987, to John H. Jett, Director.

Mr. Russell stated he located claims over top of the Lone Star Mine (Cochise County) south of Benson. He originally was there to collect specimens and lapidary material. He saw so much fluorspar he decided to stake claims and attempt to sell. He stated he researched records at Bisbee Courthouse and could find no record of assessment work since 1980. I suggested he come into our office and learn about various grades of spar and marketing of same.

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES

VERBAL INFORMATION SUMMARY

May be Reproduced

1. Information from: Don Hearn
- Address: Box 658, Benson, AZ 85602
2. Mine: Lone Star 3. ADMMR Mine File Lone Star
4. County: Cochise 5. District Wheatstone
6. Township 18S Range 19E Sec(s) 35
7. Location: 15 mi. SW of Benson
8. No. of Claims - Patented — Unpatented 8
9. Owner (if different from above) JANE
10. Address: same
11. Operating Company: None
12. Pertinent People and/or Firm: \_\_\_\_\_
13. Commodities: Fluorspar
14. Operational Status: down
15. Summary of information received, comments, etc.: \_\_\_\_\_

Mr. Hearn stated that he now holds the Lone Star #1-8 claims. He has a potential buyer:

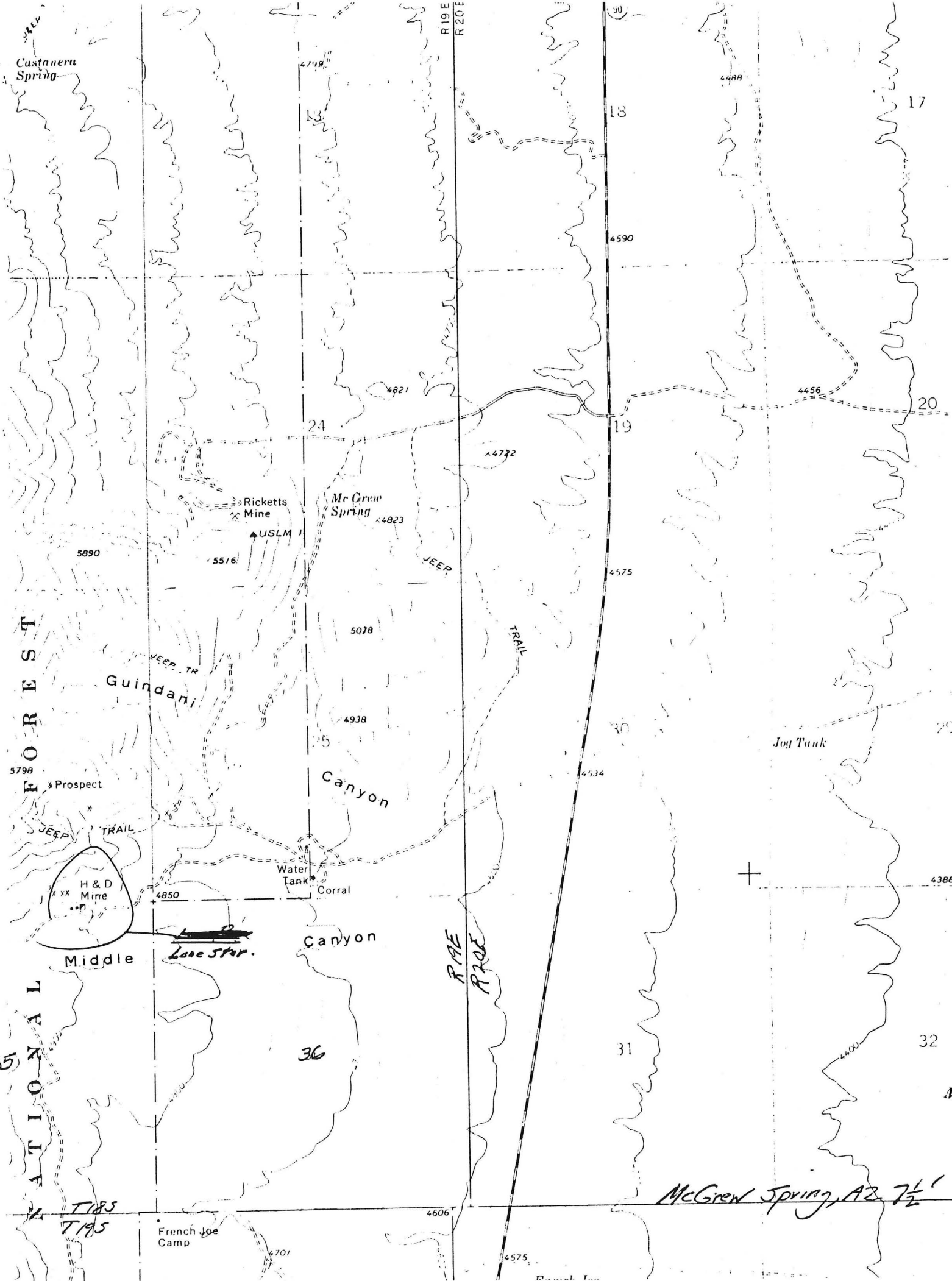
Mr. Leo Jackson, Production Minerals, Inc  
P.O. Box 12036  
El Paso, TX 79913  
Phone: Bus. - (915) 584-5076  
Home - (915) 833-0220

Date: 1/10/75

Clifford J. Pliska, Field Engineer  
(Signature)

ADMMR





Castanera Spring

R 19 E  
R 20 E

17

18

20

24

19

Ricketts Mine

McGrew Spring

USLM

5890

5516

4821

4732

4823

JEOP

5078

TRAIL

Guindani

4938

4575

5798 Prospect

Canyon

4534

JEOP TRAIL

Water Tank

Corral

H & D Mine

4850

Canyon

+

4388

Middle

Lone Star

RME  
PME

Jog Tank

35  
NATIONAL

36

31

32

T185  
T195

French Joe Camp

4606

4701

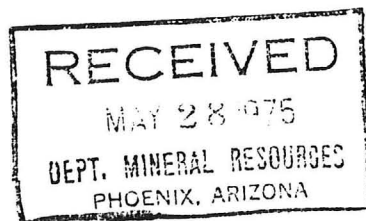
4575

McGrew Spring, AZ 7 1/2'

David G. Saunders  
Director, Secretary and  
Attorney for Fluoride Corp.,  
an Arizona Corp., which  
owns the Lonestar  
Mine, a fluorspar mine  
in Cochise Co. west of  
Benson.

Rowan Bldg.  
458 South Spring Street  
Los Angeles, Calif. 90013  
telephone (213) 624-3451

from Court Records  
and Ed Chamberlain,  
Chief Deputy Mine Inspector,  
as of April 1975.



14 Type of Deposit + Description Location Description Only

17	17-18 deposit description			24
17-5	County	Cochise		203
A-1 42	current product. status	past producer		2
43	type of mining	underground		2
44-6	land status <small>(claim change etc)</small>			
A2 14-46	name of mine	Lone Star		
47-9	other names			
A3 17	owner or operator or etc.			
18-73	owner/operator name & address			
79-80	% of ownership	1	4	
A4 14-30	lat. & long.	N31. 83217°	W 110. 37033°	
	<small>(pinpoint on topog map) etc</small>			
47	reference pt of loc <small>(of frame etc)</small>	head frame		1
48	precision of loc. meas.	10 m		1
51-55	T	T18S		18 - 2
56-60	R	R19E		17 - 4
61-2	sec.	35		35
63-5	1/4, 1/4, 1/4	ne 1/4	NW/NE/NE	676.6
66	P.L.S. status <small>(surveyed etc superimposed grid)</small>	surveyed		2
67-71	elevation	4920 feet (1490 m.)		100
73	precision of " meas.	10 m.		1
74-6	USGS 2° sheet	Nogales		258
A5 14	distance to nearest road	0	opposite site	1
15	" " adequate water	5 mi.	< 10 mi	3
16	" " " elec.	2 miles	< 10 mi	2
17	mining district	Whetstone		
32-3	mineral domain <small>(BLM etc)</small>	Natl. Forest		41
34	drainage basin		15E = 1505	
38	nature of topography	hilly		4
39-42	annual pptn <small>(little; desert)</small>	38.1 cm		
45	vegetation	desert		3
46	soil texture			
47	primary land use	grazing		6
48	working season	all year		1
49	labor supply	available locally		2
50-64	environmental sensitivity to mineral extraction <small>(nil, minor, mod, signif.)</small>			
	for land, veg, wildlife, water			
	air, aesthetics, sound, overall			
	Short Term	50 52 54 56 58 60 62 63		
	Long Term	51 53 55 57 59 61 64		

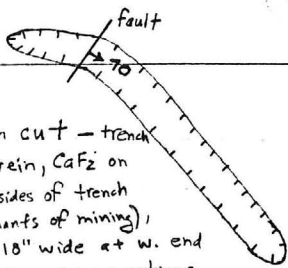
5 cent.					
55-9	max. surf area pot. distributed	5	sectors		5
70	map series (7 1/2, 15' etc.)	15'			
71-80	map name (quad name)		Brown		
A6 17	how discovered		oil mineral exposed in place		1
18-21	yr discovered		1946		
22-5	yr. 1st signif. production		1946		
26-9	yr. last production				
30-1	method of exploration	geological methods		rest. test opening	orig. test opening
32	method employed	little		extensive 3	extensive 3
33	extent method supports resource eval.	"		"	"
34-7	year of work		1975		
7 14-36	formation or group name				
37-9	geol. age of fm. or group.				
40-43	type of deformation		faulting, metamorphism		
44-6	age of "				
47	relation of deformation to mineralization		undetermined		
48-50	in situ rock density		about 2.3		
51-3	rock names		schist		
54-5	relationship to ore		code 1, 6		
A8	rock name				
	relationship to ore				
48 14-16	size of mineralization				
17	grain size (small)		phaneritic medium		3
18-20	mineral name		qtz		212
23-4	grain size		phaneritic medium		3
24-7	grain size				
	mineral name		CaF2		200
	grain size		phaneritic medium		3
79 15-20	type of ore body (skarn zone)	fracture vein	01	49-52	minimum thickness of unconsolidated mat'l. covering ore zone
21-2	mode of origin (hydrothermal)	hydrothermal	1		ore thickness of mineralized zone
23-5	shape of ore body	tabular	1	53-8	to strike 300 feet (90 m)
26-7	ore controls (fracture)	faulting	3	59-62	strike of min. zone NW
28	degree of wall rock alteration	slight	2	63-8	width " " " (ore)    to
29-34	type of " " "	silicification	01		dip direction unknown
35-9	ave. depth to mineralized zone	0		69-71	dip of mineralized zone 80 S
40-4	minimum " " "	0		72-5	ave thickness of " " L to
45-8	ave. thickness of unconsolidated material covering ore zone	1 m.			dip <del>2.5</del> 2.5 ft. = 0.75 m

1. from ne corner of shaft <sup>headframe</sup> to small shaft is 199+59 on S14E  
→ 5x6x10' deep
2. <sup>from ne corner of</sup> main shaft is 6 1/2' in nw corner on N25W  
↓ of headframe  
pt. 1
3. from pt. 1 is 64' on N28W to se corner of open slope ~ 4x4x25' deep
4. from pt. 1 is 112' on 32NW to iron rail near covered shaft → 6x6x approx 30' deep  
↓ pt. 2
5. from pt. 2 ~~is~~ is 62' on N6E to a rock pile in gully, \* is 12° down to rock pile
6. from pt. 3 is 28' on T5NW to <sup>east</sup> end of open slope on vein  
→ pt. 3
7. from pt. 3 is 117 on 56NW to w. end of open slope on vein; the slope curves slightly to north between the ends  
→ on SW corner
8. - from e end of slope is 72' on 54°E N43W to rock pile in slope, is ± 30' from best end of slope  
- from the rock pile the vein goes strike to the w @ N75W  
- @ the rock pile in slope is fault str. S35W, dips 70 S; schistosity dips ~ 60° S here  
- vein @ w end of slope is 18" wide  
- open slope is ~ 9' wide, 20' deep @ w. end, 50' @ e end
9. from pt. 3 is 121' on 558E to nw corner of ore bin w. 2 chutes
10. from nw corner of bin is 19' on 568E to ne corner  
- ~~from~~ from note 10 is 12' to se corner of bin

(from iron rail is 6 to 60° to se corner of shaft, rd. on @ N20E also side)

geology - ore is mt - colored - green CaF<sub>2</sub> in a schist, <sup>took a piece in</sup> gangue is SiO<sub>2</sub>

Open cut - trench  
 on vein, CaF<sub>2</sub> on  
 both sides of trench  
 (remnants of mining);  
 vein 18" wide at w. end  
 of stope; ug workings  
 at both ends



covered shaft  
 ~30' deep

Ore Bin with 2  
 Chutes

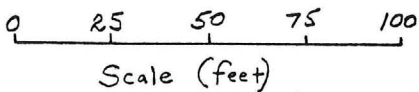
Opening to ug  
 workings, 25' deep

Main shaft



### Lone Star Mine

- mapped 3/10/75
- country rock noted in all workings and  
 in outcrops in surrounding area is a contorted schist
- min. seen in dumps and open stope is colorless - wt. - lt. green CaF<sub>2</sub>
- gangue mostly qtz
- drawn by WCH



shaft 25' deep in schist; some qtz  
 showing; no CaF<sub>2</sub>

STATE OF ARIZONA  
DEPARTMENT OF MINERAL RESOURCES  
MINERAL BUILDING, FAIRGROUNDS  
PHOENIX, ARIZONA 85007

*John H. Jett*  
*John H. Jett*

C  
O  
P  
Y

November 12, 1975

Mr. Dave Taylor  
P. O. Box 831  
Greenville, California 95947

Dear Mr. Taylor:

Joint venture agreements in the mineral industry are very common.  
We are looking forward to meeting you some day in Phoenix.

Very truly yours,

John H. Jett,  
Director

JHJ/E

November 6, 1975

Mr. John H. Jett, Director  
State of Arizona  
Department of Mineral Resources  
Mineral Building, Fairgrounds  
Phoenix, Arizona 85007

Dear Mr. Jett:

Thank you sincerely for your kindness in sending information upon the Lone Star Mine. This was sincerely appreciated by myself and my associates. We no doubt will drop this project for the time being.

Mr. Jett it is possible that we may enter into a joint-venture agreement with another firm to pursue endeavors within Arizona. If this comes to pass we would appreciate an opportunity to cooperate fully with your department and others. Thanks again.

Yours truly,

*Dave Taylor*

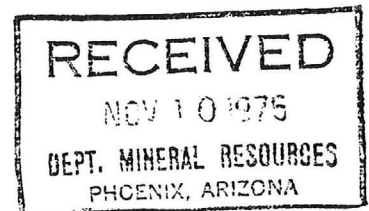
Dave Taylor

P.O. Box 831

Greenville, Ca. 95947

Phone: (916) 284-7432

DET/blp





500  
Mining CONTRACT.

has been cancelled

for non fulfillment

Mrs H. A. Birchfield

MINING CONTRACT

THIS MINING CONTRACT is made and entered into on this, the 6 day of December, 1978, by and between H. A. BIRCHFIELD, SR. and DENA BIRCHFIELD, husband and wife, referred to below as "Principals" and FERN C. HANMIL, referred to below as "Contractor".

FOR AND IN CONSIDERATION of the rents, covenants, agreements, payments and royalties provided for below, the Principals and Contractor do hereby covenant and agree that for the term of this Contract, Contractor will conduct mining operations upon the following described mining property situated in Cochise County, Arizona, referred to below as "the premises" and specifically described as follows:

A. Contractor's operations upon the premises are limited to the production of fluorspar from the above described mining claim and known as the H & D Mine. Other valuable mineral deposits on those lands, if any, are hereby reserved to the Principals, subject only to the terms and conditions set forth below.

B. Contractor hereby acknowledges that he has inspected the workings, shafts, tunnels and appurtenances existing

upon the above described premises, knows their condition, and accepts the premises in such condition without warranty from the Principals regarding either the condition of such workings or the mineral reserves located upon those premises.

C. This Contract is to continue for one year from the date of its execution by the parties, subject to Contractor's right to renew for an additional year upon the same terms if during the initial one year term Contractor shall have mined not less than \_\_\_\_\_ tons of saleable quality fluorspar from the premises.

In consideration of this Contract, the Contractor does hereby covenant and agree with Principals that the grant of this Contract shall be subject to the following terms and conditions:

1. Contractor will commence work upon the premises no later than the date this Contract is executed, and work the premises as a reasonably prudent operator in the manner necessary and appropriate to good and economical mining, so as to take out the greatest amount of fluorspar ore possible with due regard to safety, development and preservation of the premises as a workable mine; all work, timbering, construction, and installation of improvements are to be subject to inspection and reasonable approval of any designated representative of the Principals. Unless and until demand for such inspection by Principals, Contractor shall be free to operate such mine pursuant to his own discretion in accordance with the provisions of this paragraph.

2. Contractor will at all times maintain all drifts, tunnels, shafts, winzes, and other workings on the premises thoroughly drained and clear of loose rock and rubbish, and in a safe and secure operating condition, unless prevented from doing so by extraordinary mining casualty, or to maintain at all times and leave the floors of all drifts, crosscuts, and other

workings in good, even, unobstructed condition, and to stow no waste underground, nor fill any stopes, without the written consent of the Principals or Principals' duly authorized agent.

3. Contractor hereby acknowledges receipt upon the premises of all of the personal property described in the attached Exhibit A, all in good working order except as otherwise noted on such Exhibit A, and agrees to maintain all such personal property, together with any additions placed upon the premises by him during the course of this Contract, in good working order sufficient to conduct workings upon the premises in a workmanlike and safe manner, returning all of the property set forth in the said Exhibit A in good working order at the conclusion of this Contract, normal wear and tear excluded. Any equipment set forth in Exhibit A which is broken or destroyed, requiring replacement, shall be replaced by Contractor with equipment of reasonably comparable kind and quality to that replaced, and subject to Principals' approval.

4. Contractor at all times during his operations under this Contract shall keep in full force and effect a policy issued by the Industrial Commission of Arizona covering the entire liability of Contractor to his employees under the Workmen's Compensation Law of Arizona.

5. During the term of this Contract, Contractor shall post and at all times during the term of the Contract keep posted notices of nonliability of the Principals for labor and material furnished to or in connection with the operation of the premises.

6. Contractor shall do the assessment work for the benefit of Principals on the above described premises for the assessment years during any portion of which this Contract shall be in effect.

7. Contractor will provide access to the premises for Principals, Principals' manager or duly authorized agent and/or representative, at any and all times (a) to enter and visit all parts of the premises and the workings thereon for the purpose of inspection and taking of assay samples, (b) to take samples from any ores awaiting shipment (c) to have surveys made of the workings by Principals' surveyor and assistants whether under or above ground, or both, as often as the Principals, their manager, or any other duly authorized agent for Principals, shall so order, and also furnish to Principals copies of blueprints of all surveys or maps made by the Contractor; and generally to facilitate in every way such inspection, surveys and samplings, as above provided.

8. Contractor will provide to Principals, their manager or any duly authorized agent, full, true and accurate information with regard to the condition of the workings upon the leased premises or any part thereof or the quality or character of the mineral therein, and to immediately give Principals notice of any discovery of any commercially exploitable mineral found upon the premises.

9. Contractor hereby assumes all responsibility for and saves Principals harmless from any and all accidents to himself or any of his employees, subcontractors, licensees, agents, associates or visitors, on the property of the Principals, as herein described and to forthwith post and at all times keep posted at the main workings on the premises a conspicuous notice in the name and on behalf of the Principals, with the name of the Contractor also attached, stating in substance that the premises are being mined by Contractor, an independent contractor, and that the Principals will not be liable for damages on account of any such accident.

discovery of any other valuable mineral deposit upon the premises Contractor shall have the exclusive right to negotiate with Principals for development of such deposits during the term of this Contract, subject to royalties, prepayments, and conditions of operation mutually satisfactory to the parties. Failure to supplement this Contract to permit development of any other deposits upon the premises by Contractor during the term of this Contract will not preclude Principals from negotiating with third parties for development of such other ore deposits, such subsequent lease or contract to commence on or after the expiration of this Contract.

11. The Contractor shall pay to Principals the sum of \$200.00 per month, commencing \_\_\_\_\_, 1973, and monthly thereafter throughout the course of this Contract, such payments to constitute rental upon the personal property and equipment owned by Principals and subject to this Contract.

12. Principals will pay to Contractor a royalty in the amount of \$35.00 per ton on all tonnage of ore extracted and sold from the premises. For the purposes of sale only, Principals authorize Contractor to negotiate for and sell the ore produced from the premises at the best available price, but not less than the going price for ore of like kind and quality in either Tucson, Arizona, or Maricopa County, Arizona, whichever is the greater on the date of sale. In addition, Contractor's royalty will be increased by the amount of \$1.00 per ton for each percentage above 70% fluorspar content which any given shipment of ore is determined to contain by assay. Contractor shall remit the proceeds of sale to Principals' agent together with a duplicate bill of lading for all ore shipped from the mine site, accompanied

attesting to the validity of the claim. If a claim is made for royalty in excess of \$35.00 per ton, a certified assay report shall accompany the claim for payment. The payment of Contractor's royalty will be made after the instrument representing gross proceeds from the sale of the ore has been negotiated and paid by Principals' agent, with Contractor's royalty payments sent by regular United States mail to the address set forth in paragraph 17, below.

13. All transportation charges shall be Contractor's sole responsibility, and shall not be deducted from the royalty due Principals pursuant to the conditions of this Contract.

14. Contractor will produce sufficient fluorspar ore to satisfy Principals' obligations under that certain contract with Marathon Steel Company set forth as Exhibit B to this Contract, and subject to the payment to Contractor of royalties as set forth above. Contractor hereby agrees to indemnify and save Principals harmless from any failure by Contractor to perform the terms and conditions of such contract.

15. This Contract shall terminate on the date provided for in paragraph C above, or at any previous time upon which Principals by written notice to Contractor designate any breach by Contractor of the terms and conditions of this Contract which is not cured within 30 days thereafter, or upon Contractor's failure to produce ore for three consecutive months, without regard to any cause or excuse for such nonproduction.

16. This Contract is subject to assignment by Contractor only upon prior approval of the assignee and the terms of the assignment by Principals.

17. All notices provided for under the terms of this Contract shall be sent to the parties as follows:

140 United Bank Building  
310 North Central Avenue  
Phoenix, Arizona 85012

Contractor: Fern C. Hammil  
PO: ~~Box 4554~~  
Huachuca City, Arizona 85616

Certified mail shall conclusively evidence delivery upon production of a certified mail receipt showing delivery at the address designated above.

18. Thirty (30) days from notice of termination, all structures and equipment built or installed by the Contractor shall be removed from the premises, save and except that any underground support installed by Contractor shall remain the property of the Principals, together with any and all property not removed by Contractor as of the date on which the Contract terminates.

19. Contractor agrees to release and hold Principals harmless from any title defect or title cloud resulting from any source whatsoever with respect to the premises, and from any damages resulting from any such cause.

20. This Contract shall be binding upon the respective heirs, administrators, executors, trustees and assigns of the parties.

THIS CONTRACT executed the day and year first written above.

\_\_\_\_\_  
H. A. Birchfield, Sr.

\_\_\_\_\_  
Fern C. Hammil

\_\_\_\_\_  
Dena Birchfield

CONTRACTOR

PRINCIPALS



LIST OF PERSONAL PROPERTY

1 P & H Welder  
1 Lo-Boy Trailer  
1 Trailer House  
Cabins on the property  
Hoist and Engine Cable, etc. now on property  
Water pump now on the property  
3 Ore Buck  
/ Ore Car

EXHIBIT A

## LONE STAR MINE

### SUMMARY

Fluorite occurs in a vein in a faulted quartz-sericite schist. Past production from the mine was over 20,000 tons. The property may have further potential <sup>FLUORITE</sup> ~~for fluorite~~ production but could not be sampled because of unsafe conditions underground.

The property was examined on March 10, 1975 by Glen Walker and William Hirt.

### LOCATION

The mine is in the NW/NE/NE of section 35, T13s, R19e, in Cochise County, Arizona. It is in the eastern foothills of the Whetstone Mountains in the Coronado National Forest. The nearest town is Benson, Arizona, 15 miles to the northwest.

### PHYSICAL FEATURES

Hilly desert terrain with sparse desert vegetation surrounds the mine. Annual precipitation is about 15 inches. Only a small water supply is available at the mine site. Electrical power is available at State Highway 90 about 2 miles to the east.

### HISTORY

The deposit was discovered in 1946. Mining from 1946-1967 has produced at least 20,000 tons of fluorspar (Keith, 1973), which would make the mine the largest fluorspar producer in Arizona. The mine is presently inactive.

### OWNERSHIP

The ownership could not be definitely determined due to a lawsuit in progress.

### GEOLOGY

This is a vein deposit which strikes northwest occurring in a fault in a contorted quartz-sericite schist. The vein could not be traced on the surface to the northwest of the open cut. To the southeast can be seen some veins, but they consist of quartz with no fluorite. Little alteration was seen in the open cut. Quartz appears to be the main impurity.

geology cont'd

According to an earlier an earlier report (Elevatorski, 1971) the ore shoots average 2-1/2 wide by 25 feet long by 35 feet high. Fluorspar seen on the dumps is colorless, white, or light green crystalline.

A sample of ore sampled at the mine by Elevatorski ran 87% CaF<sub>2</sub>, 2.7% silica, and 0.13% Pb.

**DEVELOPMENT**

Access to the ore was gained by means of an inclined shaft 400 feet deep and open cut leading into some underground workings. Two smaller shafts were sunk between the main shaft and the open cut. An exploration shaft 25 feet deep was sunk southeast of the main shaft but no development work was done on it. An indeterminate length of underground workings also exists, but was not measured or mapped because of safety reasons.

At the time of the examination the mine was closed to entry because a man was killed in the mine in 1973 or 1974.

**REFERENCES**

Keith, S. B., 1973, Index of Mining Properties in Cochise County, Ariz., Arizona Bureau of Mines Bulletin 137, Page 91.

Elevatorski, E. A., 1971, Arizona Fluorspar, Arizona Department Mineral Resources, Phoenix, Arizona page 10-12.

William Hirt  
June, 1975

## LONE STAR MINE

This property is presently in the throes of civil and criminal lawsuits, therefore, there has been no annual work performed for sometime. For this reason it is thought to have reverted to the Bureau of Land Management.

It is located in section 35, T19s, R19e, in Cochise County, Arizona. On USGS 15 minute topographic map, Benson, Arizona the shaft is shown to be at an elevation of 4920 feet and a location of  $110^{\circ} 21' 52''$  Longitude,  $31^{\circ} 49' 53''$  Latitude.

The mine is reached from Benson by traveling 4 miles west on I-10 thence south 3-1/2 miles on Arizona highway 90 to a gate in the highway fence, through the gate to the right (west) for 1-1/2 miles to the shaft.

Since a fatality in the shaft the State Mine Inspector has closed the mine to any entry.

According to rumors this mine has produced more fluorspar than any other individual mine in Arizona but the amount is unknown.

Office visit by Mr. Birchfield Sr. and Mrs. Gabriel M. Camara on Nov. 30, 1972.

Following information given to Mr. Jett by Mrs. Camara "in order to correct misinformation in our files." Quote of Mrs. Camara.

There are three Birchfields. One is Howard A. Birchfield Sr., owner of H & D Mine, one is his son, Jr., owner of Middlemarch Mine and one is Howard Burchfield, Jr. (note "u" not "i" not involved in either but possibly in Arizona Steel Corp., Pacific Fluoride Co., Duncan Mill and Arizona-Eastern Fluorspar Co.

Stated that information from Royis Ward is wrong. There never was any agreement to lease the property to Royis Ward or Omega Minerals.

In 1972, June or July, shipped several loads of ore (16 tons per load) to Allison Steel at Tempe, from H and D Mine (Lone Star). Allison Steel is now Marathon Steel Co.

In 1967 Mr. Whitelock & Lone Star mine Div. shipped this ore while mine was held up in litigation. Mr. Whitelock had to leave the mine after issue of mandate.

Mine did not run out of ore. Mr. Whitelock had to leave the mine.

Mr. Whitelock never made any settlement of the ore he and his company mined (or machinery removed) during litigation to the appeals court.

In 1967, Mr. H. A. Birchfield was the owner of the mine and it was called H and D mine, not Lone Star (changed in 1964).

Mr. Tate (Ponderosa Development Co.) never had an option on Lone Star.

Mining deed was recorded on Jan. 27, 1964, was also written in 1964 but back dated to April 23, 1957. Between Arizona-Eastern Fluorspar Corp. and Mr. Thiercof and signed by Leonard W. Stubler as President but was only a director. This is the deed that started the litigation as to ownership of Lone Star Mine. Litigation brought by Thiercof and Marcil against H. Birchfield Sr.

RUSSELL WILLIAMS  
CHAIRMAN  
CHARLES H. GARLAND  
COMMISSIONER  
AL FARON  
COMMISSIONER



GEORGE M. DEMPSEY  
EXECUTIVE SECRETARY

MAY S. OATES  
DIRECTOR OF  
INCORPORATING DIVISION

ARIZONA CORPORATION COMMISSION  
1688 WEST ADAMS  
PHOENIX

November 1, 1972

RECEIVED

NOV 6 1972

LAW OFFICES OF WILLIAMS,  
RYAN & HERBOLICH, P.C.

Williams, Ryan & Herbolich, P.C.  
Attorneys at Law  
1930 11th St.  
P.O. Drawer W  
Douglas, Az. 85607

RE Arizona-Eastern Flourspar Corporation  
Information requested of above Corporation

NAME Arizona-Eastern Flourspar Corporation

YEAR INCORPORATED 9-8-52

PRINCIPAL PLACE OF BUSINESS Phoenix, Az.

STATUTORY AGENT ~~Louis B. Whitney, Lohre Tower, Phx.~~

PRESIDENT \_\_\_\_\_

ANNUAL REPORTS FILED \_\_\_\_\_

HOW TERMINATED License revoked 9-25-59

PRESENT STATUS Not doing business in the State as a Corporation.

REMARKS Unable to obtain the information you have asked for from the Micro-film.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Very truly yours,

ARIZONA CORPORATION COMMISSION  
INCORPORATING DIVISION

MINING TO BEGIN IN COCHISE COUNTY

After many a year of litigation there was a Mandate issued from the Appeal Court in Tucson on the Lone Star Mine, an early name. It was changed by it's owner H. A. Birchfield Sr. of Benson, Ariz. to the H. and D. Mine. After he received a deed to the property in 1963. He relocated it changing the name to H. and D. Mine in 1964.

Clerk's Certification of Mandate

2 CA-CIV 290  
Cochise County  
Superior Court  
No. 22240

STATE OF ARIZONA ) ss.  
COURT OF APPEALS )  
DIVISION TWO )

HOWARD A. BIRCHFIELD, SR.  
Appellant

I, Elizabeth Urwin Frits,  
Clerk of the Court of Appeals, Division  
Two, of the State of Arizona, do hereby  
certify that I have compared the attached  
copy of the Mandate in the aboved-entitled  
cause with the copy therof filed in this  
Court on October 13, 1967, which copy is a  
true and correct transcript of the original  
Mandate as issued October 13, 1967.

V.

C. THIERCOF and JOFFRE MARCIL,  
Appellees.

I further certify that the correction therto was made and entered on the  
copy of the Mandate on September 14, 1971.

WITNESS my hand and the seal of this Court Affixed this 8 day of May, 1972

correction being No. 22250  
9/14/71 No. 22240

The owner H. A. Birchfield Sr. of Benson, Arizona plans to be in full  
production of the Fluorspar Mine, within a mater of months.

Litigation being as follows,

- June 9, 1967- Motion for Rehearing
- June 19, 1967 Objection to Motion for Rehearing
- June 29, 1967 Order denying Motion for Rehearing
- July 14, 1967 Petition for Review
- October 6, 1967 Order of Arizona Supreme Court denying Petition for  
Review on September 6, 1967. Mandate October 13, 1967.



IN THE COURT OF APPEALS  
STATE OF ARIZONA  
DIVISION TWO

HOWARD A. BIRCHFIELD, SR. )  
 )  
 Appellant, )  
 )  
 v. )  
 )  
 C. THIERCOF and JOFFRE )  
 MARCIL, )  
 )  
 Appellees. )

2 CA-CIV 290  
COCHISE County  
Superior Court  
No. 22240

CLERK'S CERTIFICATION OF MANDATE

STATE OF ARIZONA )  
COURT OF APPEALS ) ss.  
DIVISION TWO )

I, Elizabeth Urwin Fritz, Clerk of the Court of Appeals, Division Two, of the State of Arizona, do hereby certify that I have compared the attached copy of the Mandate in the above-entitled cause with the copy thereof filed in this Court on October 13, 1967, which copy is a true and correct transcript of the original Mandate as issued October 13, 1967.

I further certify that the correction thereto was made and entered on the copy of the Mandate on September 14, 1971.

WITNESS my hand and the seal of this Court affixed this 8 day of May, 1972.

ELIZABETH URWIN FRITZ  
Clerk of Court of Appeals  
Division Two

By Rosemary D. Lindell  
Deputy Clerk.

DUPLICATE

STATE OF ARIZONA ) SS. I HEREBY CERTIFY THAT THE WITHIN  
COCHISE ) INSTRUMENT WAS FILED AND RECORDED  
WITH THE COUNTY RECORDER'S OFFICE ) AT REQUEST OF: Howard A. Birchfield, Sr.  
COUNTY RECORDER ) Gen. Dist.  
Deane ) FEE: \$2.00 Deane, Arizona  
DRAG )  
INDEXED, PHOTODUPLICATED, )  
SERIALIZED, AND BLOTTED )  
COMPARED ) DKT. 773 MAY 12 1972 1 45 PM  
DOCKET )  
PAGE NO. 10913  
368



DUPLICATE

I HEREBY CERTIFY THAT THE WITHIN  
INSTRUMENT WAS FILED AND RECORDED  
AT REQUEST OF

*Edward C. Buckfield*

\$2.00

*Arizona, U.S.*

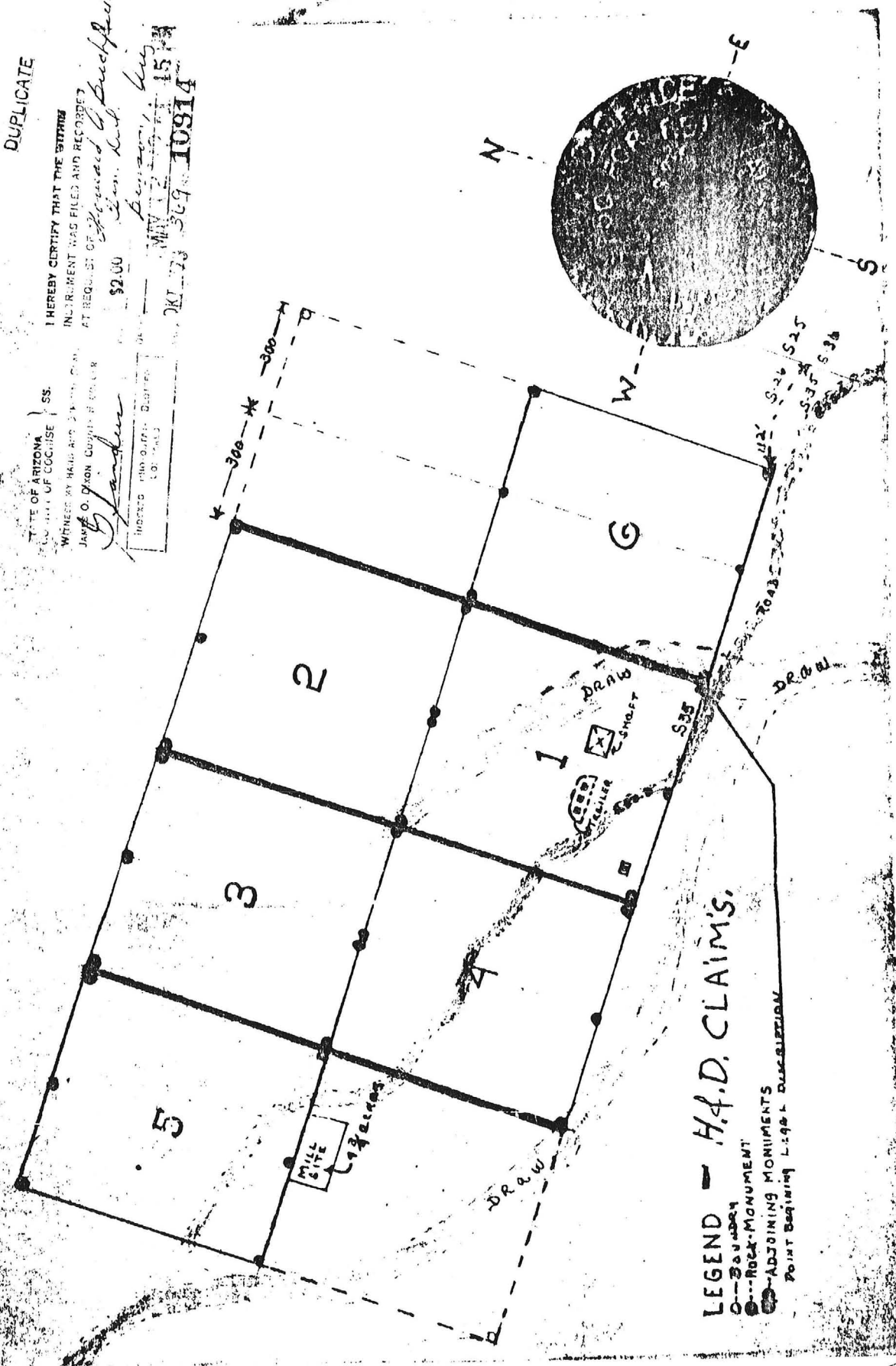
BOOK 73 PAGE 10914

STATE OF ARIZONA  
COUNTY OF COCHISE

WITNESSED BY HAND AND SEAL OF OFFICIAL  
JAMES O. DIXON, County Recorder

*J. Gardner*

INDEXED THIS OFFICE  
L.S. GARDNER



LEGEND - H.A.D. CLAIMS,  
 O---BOUNDARY  
 ●---ROCK-MONUMENT  
 ○---ADJOINING MONUMENTS  
 Point Beginning LEGAL DISCRETION

In the Court of Appeals, Division Two  
of the State of Arizona

**FILED**  
OCT 13 1967  
CLERK COURT OF APPEALS  
Division Two



To the Honorable the Superior Court of the State of Arizona  
in and for the County of.....  
**COCHISE**

**GREETING:**

**Whereas**, lately in the Superior Court of the State of Arizona in and for the County of **COCHISE** .....

....., before you in a cause between

9/17/71  
R.D.1. No. 22250

**C. THIERCOF and JOFFRE MARCIL,**

**Plaintiffs,**

**-v-**

**HOWARD A. BIRCHFIELD, JR.; HOWARD  
A. BIRCHFIELD, SR.; MARVIN DOUGLAS  
FRY; ALBERT TWEEDY; MRS. GABRIEL M.  
CAMARA; and ALBERT J. TWEEDY, JR.,**

**Defendants.**

You therefore are hereby commanded that such proceedings be had in said cause, as according to the decision and order of this Court, and as according to right and justice, and to law, ought to be had.

**Witness**, the Honorable **James D. Hathaway** Chief Judge of the Court of Appeals, Division Two, of the State of Arizona, the **thirteenth** day of **October**, in the year of our Lord one thousand nine hundred and **sixty-seven**.

June 9, 1967 - Motion for Rehearing  
June 19, 1967 Objections to Motion for Rehearing  
June 29, 1967 Order denying Motion for Rehearing  
July 14, 1967 Petition for Review  
October 6, 1967 Order of Arizona Supreme Court denying Petition for Review on September 6, 1967.

COSTS OF none  
Clerk - - - - - \$  
Reporter's Transcript - \$  
Transcript of Record - \$  
Abstract of Record - - \$  
Brief - - - - - \$  
\$ none

Elizabeth Jean Urwin  
Clerk of the Court of Appeals, Division Two,  
of the State of Arizona

No. 2CA-CIV-290

**Court of Appeals,  
Division Two, of the  
State of Arizona**

HOWARD A. BIRCHFIELD, SR.

Appellant,

vs.

C. THIERCOF and JOFFRE  
MARCIL,

Appellees.

**MANDATE**

RILEY, SMITHERMAN, WHITNEY & SLAUGHTER

RICHARD J. RILEY  
WILLIAM C. SMITHERMAN  
JAMES D. WHITNEY  
ALAN L. SLAUGHTER

ATTORNEYS AT LAW  
139 TOMBSTONE CANYON  
P.O. BOX 450  
BISBEE, ARIZONA 85603

OTHER OFFICES:  
COURT HOUSE ANNEX  
BISBEE, ARIZONA  
137 NORTH HASKELL  
WILLCOX, ARIZONA

TELEPHONE:  
BISBEE: 432-5397  
432-2406  
WILLCOX: 384-3336

July 13, 1967

SPECIAL DELIVERY

C  
O  
P  
Y  
  
Court of Appeals  
Division II  
Tucson, Arizona

Re: Howard A. Birchfield, Sr.,  
Appellant, v. C. Thiercof  
and Joffre Marcil, Appellees  
No. 2 CA-CIV 290

Gentlemen:

Enclosed please find original and six copies of Petition  
for Review.

Please file the same on behalf of Appellees.

Very truly yours,

RILEY, SMITHERMAN, WHITNEY  
& SLAUGHTER

By *W.C. Smitherman*

WCS:mo  
Enclosures (7)

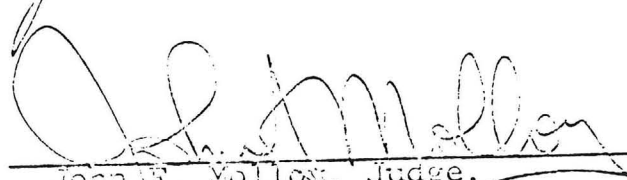
cc - Mr. Robert E. Cattany  
Cattany and Howe  
201 North Court  
Tucson, Arizona  
W/2 copies of Petition for Review

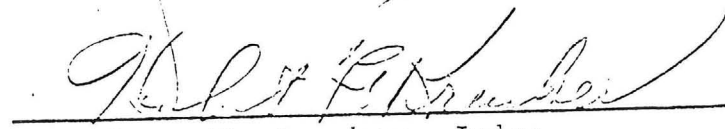
sufficiently answered in the opinion released.

IT IS ORDERED that the motion for rehearing be, and it hereby is, denied.

Dated: June 29, 1967.

  
James D. Hathaway, Chief Judge.

  
John F. Molloy, Judge.

  
Herbert F. Krucker, Judge.

Copy to:

Robert E. Cattany, Esq.  
Cattany & Howe  
201 N. Court  
Tucson, Arizona

James D. Whitney, Esq.  
Smitherman & Whitney  
P.O. Box 450  
Bisbee, Arizona

West Publishing Co.

as by the inspection of the record of the said Superior Court, which was brought into the Court of Appeals,  
Division Two, of the State of Arizona by virtue of an appeal, by the defendant,  
Howard A. Birchfield, Sr. agreeably to the law in such case made and  
provided, fully and at large appears.

And Whereas, in January

, in the year of our Lord one thousand

sixty-seven

the said cause came on to be heard before the

**And Whereas,** in January, in the year of our Lord one thousand  
nine hundred and sixty-seven, the said cause came on to be heard before the  
said Court of Appeals, Division Two, in February, in the year of our Lord one  
thousand nine hundred and sixty-seven, was submitted for decision to  
said court after argument of counsel.

**On Consideration Whereof,** it was on the twenty-sixth day of  
May in the year of our Lord one thousand nine hundred  
and sixty-seven, ordered by this Court that the - - - judgment - - -  
of the said Superior Court in this cause, - - - on appeal - - - be, and  
the same is hereby reversed in accordance with the opinion of this court.

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
FIELD ENGINEERS REPORT

RECEIVED

JUN - 2 1952

DEPT. MINERAL RESOURCES  
PHOENIX, ARIZONA

Mine Lone Star Mine

Date May 28, 1952

District Whetstone Mining Dist., Cochise Co.

Engineer Axel L. Johnson

Subject: Mine Report.----Inf. from Morris Albertoli and Personal Visit.

Location 15 miles SE SW of Benson. Go 8 miles south on Highway 80. Take Apache Powder Co. Road for 1 mile, then turn left in a westerly direction and drive 6 miles on dirt road. Dirt Road in good condition.

Number of Claims 7 unpatented claims. 4 claims located by Alvin Green in 1946, and the other 3 claims located by Fluorspar Producers Corp. this spring.

Owners Fluorspar Producers Corp., 9501 Washington Blvd., Culver City, Calif.  
or P. O. Box 672, Benson, Ariz.

Lea ser and Operator Lone Star Mining Corp., 9501 Washington Blvd., Culver City, Cal.  
or P. O. Box 672, Benson, Ariz.

Officers In charge of operations---Morris Albertoli, P. O. Box 672, Benson, Ariz.  
Mine Foreman ---- Alvin Green, Benson, Ariz.

Metals Mined Fluorspar.

men Employed 7 men all day shift. Of these 5 men are working underground.

Production Rate No definite production rate. Company now doing development work, composed of shaft sinking and drifting. Ore taken out from this development work is stockpiled and will be milled later.

milling Facilities The company is making plans for the erection of a mill in Benson to treat this ore. The mill will be located 1000 ft. east of the Benson Railroad station. Construction of the mill is scheduled for the very near future. The milling machinery is being assembled in Calif. for shipment here soon. Mill tests have been completed and a flow sheet worked out. It is expected that, besides the ore from the Lone Star Mine, the company will also mill ore mined at their Polly Ann Mine near Duncan, until such a time as a mill is also erected at Duncan.

Geology Vein occurs in pre-Cambrian schist. This schist is overlain on the west by Paleozoic sedimentary rocks. 1/4 mile north of the mine shaft there is a large intrusion of muscovite granite. The fissure containing the vein is apparently of the shear type. Vein strikes N 35 deg. W. and dips 84 deg. to NE. The vein varies in width from 2 to 6 ft. and may average about 3 1/2 ft. The mineralized portion of the vein is from 100 to 150 ft. long.

Ore Values Ore in the vein averages 85 % CaF<sub>2</sub>, and from 1.5 to 2 % SiO<sub>2</sub>. The ore will be milled to produce Acid Grade Fluorspar of 98 % CaF<sub>2</sub>.



DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
FIELD ENGINEERS REPORT  
page 2.

Mine Lone Star Mine

Date May 28, 1952.

District Whetstone Mining Dist., Cochise Co.

Engineer Axel L. Johnson

Subject: Mine Report---Inf. from Morris Albertoli and Personal Visit.

Past Production 5400 tons shipped prior to Jan. 1, 1950 by Cooper Shapley.  
1200 tons shipped by Pepperdine Foundation in 1950 and 1951.

Old Workings 1 shaft -- 250 ft. deep, inclined about 84 deg. to NE.  
Ore body partially worked out down to the 250 ft. level. However,  
indications are favorable for additional ore shoots to the north of the old workings.

History of Ownership 4 claims located by Alvin Green in 1946.  
Cooper Shapley bought mine from Mr. Green in 1946, and  
worked same until 1950.  
Fluorspar Producers Corp. bought mine from Shapley in 1950.  
Fluorspar Producers Corp. leased mine to Pepperdine Foundation  
in 1950, who worked the mine until early this year, and gave up the lease.  
Fluorspar Producers Corp. took possession of the mine again  
in Feb. 1952., and proceeded to repair the mine, and put it back in shape to resume  
operations.  
Lone Star Mining Corp. leased the mine from the Fluorspar  
Producers Corp. just recently.

Present Operations The Lone Star Mining Corp. is at present doing development  
work. This work consists of sinking the shaft an additional 100 ft. from the 250  
to the 350 ft. level (they are now down 275), and also drifting NW on the 100 and  
250 ft. levels, in order to prove up additional ore to the NW of the old workings.  
The ore taken out in this development work is stockpiled for milling later. It  
is estimated that there is about 1000 tons in stockpile now, some of this being  
left there by the former operators.

Proposed Plans Continue development and exploration work until the mill is  
finished. building a mill as ~~mentioned~~ mentioned under 'Milling Facilities'.

References, See 'Fluorspar in Arizona' by Eldred Wilson. Excerpts from  
paper presented at meeting of Industrial Minerals Division A. I. M. E. in  
El Paso, Texas, Oct. 14, 1950.

DEED TO MINING CLAIMS

*also patented mining claims*

THIS INDENTURE, made the 23rd day of April, 1957, between ARIZONA-EASTERN FLUORSPAR CORPORATION, a Nevada corporation, the GRANTOR, and C. E. Thiercof, the GRANTEE,

WITNESSETH:

That said GRANTOR, for and in consideration of the sum of Ten Dollars (\$10.00) lawful money of the United States, and other valuable consideration, the receipts whereof are hereby acknowledged, does by these presents GRANT, BARGAIN, SELL, REMISE, RELEASE, and forever ~~QUIT CLAIM~~ unto C. E. THIERCOF, and to his successors and assigns, all that certain Mining and Real Property in the State of Arizona, more particularly described as follows:

Lone Star Lode Mining Claims Numbers 1, 2, 3, and 4, as the same are recorded in Book 75, Record of Mines, at pages 12, 36, 37, and 38, thereof, in the office of the County Recorder of Cochise County, State of Arizona.

All of said Claims being located in township 13 South, Range 19 East, and constituting one Mining Property commonly called the Lone Star Group of Mines,

Together with all the dips, angles, spurs, and variations of said Mining Ground and Quartz Lodes, and all the hereditaments, tenements, and appurtenances thereunto belonging, or in any wise appertaining.

SUBJECT, nevertheless, to all encumbrances of record.

IN WITNESS WHEREOF, said GRANTOR has caused these presents to be subscribed by its duly authorized officers the day and year first above written.

ARIZONA-EASTERN FLUORSPAR CORPORATION

By *Carl W. Stubb*  
President  
and *Fred H. Haselkrast*  
Secretary



DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Mine Lone Star Mine ✓

Date Jan. 7, 1954

District Whetstone District ---- Cochise Co.

Engineer Axel L. Johnson

Subject: Field Engineers Report -- Present Status.

Location See report under date of May 28, 1952.

Number of Claims 7 unpatented claims. See report of May 28, 1952.

Owners Arizona Eastern Fluorspar Corporation, Duncan, Ariz. ✓  
Lawrence K. Diffenderfer, General Manager, Box 146, Duncan, Ariz.

Operators Not in Operation.

Principal Minerals Fluorspar ✓

Number of Men Employed None. Mine is idle.

Present Status Mine was closed down last summer, and the mine workings were allowed to flood. No plans for opening up same again in the near future.

LONE STAR MINE

COCHISE COUNTY

Mine is just starting up again after having been closed since Jan. 1. 4 men will be employed on day shift. Work will consist of driving drift on the 107 ft. level, and also stoping.  
ALJ Report 7-9-53



*Day Drift - Dec. 1952*

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Mine Lone Star Mine Date April 22, 1964  
District Whetstone District - Cochise County Engineer Axel L. Johnson  
Subject: Field Engineer's Report. Information from Gabriel Camara by telephone

References: Reports of Jan. 7, 1954, May 28, 1952 and reports of miscellaneous telephone calls.

Owner: Gabriel M. Camara, 3918 W. State Avenue, Phoenix, Arizona

Number of Claims: 4 unpatented claims. These were relocated by Gabriel Camara et al. One of his partners was reported to be Howard Birchfield Sr.

Principal Minerals: Fluorspar

Present Mining Activity: Idle. Mr. Camara informed field engineer that the mine was closed down on April 10 on account of legal difficulties.

Review of Recent Operations: Operations were reported to have started in Dec. 1963 and Mr. Camara reported that 34 tons of fluorspar was sold and shipped to Allison Steel, Phoenix, Arizona while the mine was operating. Mine was closed April 10, 1964.

Proposed Plans: To resume activities again after the legal difficulties have been settled. Shipments to Kaiser Steel Corp. are being considered when operations are resumed.

WHETSTONE DISTRICT

The Lone Star mine is at the eastern base of the Whetstone Mountains, 11 miles by road from Curtiss siding. This deposit remained undiscovered

- 8 -

until 1946. It was mined by Cooper Shapley, Jr., until early 1950 and now is being worked by Pepperdine Foundation. Shipments have amounted to approximately 5,400 tons, valued at more than \$100,000; thus the mine already ranks as the largest single producer of Fluorspar in Arizona. The mine-run spar averaged 85 per cent in effective calcium fluoride content, with only 0.02 per cent silica in the coarse and 2.7 per cent silica in the fines. It has been shipped, after screening, to Pittsburgh, Chicago, and Fontana.

The vein occurs in pre-Cambrian schist, overlain on the west by Paleozoic sedimentary beds and intruded 1/4 mile north of the mine by a stock of muscovite granite. One-half mile east of the mine, a north-ward-trending fault with vertical displacement of more than 3,000 feet brings limestone against the schist.

The fissure containing the vein appears to be of shear type. It has an average strike of approximately north 30 degrees west, but with numerous sharp bends, and shows evidence of horizontal as well as vertical displacement.

Spar shoots in the vein average 2 1/2 feet wide and range up to 25 feet long by 30 feet high. Exceptionally they attain widths of 10 or 12 feet. The spar is mainly coarse grained, banded, and greenish.

An inclined shaft 154 feet deep, connects with the workings. Water, encountered at 125 feet, amounts to 2,500 gallons per day.

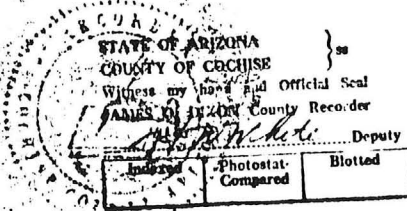
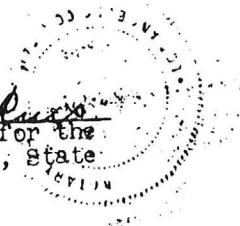
The shaft is now being deepened, and a washing plant to turn out ceramic spar is contemplated; its market value at present would amount to \$40 per ton at the mine.

State of California }  
County of Los Angeles } ss.

On the 23rd day of April, 1957, before me, a notary public in and for said County and State, personally appeared LELAND W. STUBBS and FRED H. HASELHORST, known to me to be the President and Secretary, respectively, of ARIZONA-EASTERN FLUORSPAR CORPORATION, the corporation that executed the within instrument, known to me to be the persons who executed the within instrument on behalf of the Corporation herein named, and acknowledged to me that such corporation executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

*Nora E. Resnick*  
Notary Public in and for the  
County of Los Angeles, State  
of California



I hereby certify that the within instrument was filed and recorded at request of  
David H. Spindler, 610 Rowan Blvd  
458 S Spring St  
Los Angeles 13, Calif.  
Fee \$ 2.50  
L. R. S. \_\_\_\_\_  
Total \$ \_\_\_\_\_  
Date JAN 27 1964 - 8 00 AM  
Docket DOCKET 345  
Page 391-392 No. 1472

Indexed	Photostat Compared	Blotted
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The filer should file this statement  
 1954 and will keep the company records up to  
 to and including July 1, 1955  
 July four and said periods

Fred H. Haselhorst  
 (Name of Officer)

I do hereby certify under penalty of law

Secretary of the Arizona-Eastern Fluorspar Corporation

a corporation organized under the laws of the State of Nevada  
 the following is a full, true and correct statement of facts as required by Chapter 180, Statutes of Nevada, 1953  
 amended, to wit:

OFFICERS AND DIRECTORS	Date of Election	Term of Office	Character of Business	Post Office Address (Street, City, State, if any)
Leo A. Leatrix President.	2/9/53	2 yr.	Mining	1425 Florence Avenue Arcadia, California
Paul Kouri, Jr. Vice President.	2/9/53	2 yr.	Physician	3625 Century Boulevard Lynwood, California
 Vice-President.				
 Secretary.				
Fred H. Haselhorst Treasurer.	2/9/53	2 yr.	Chemicals	10030 Freet Street Tempe City, California
Fred H. Haselhorst Director.	2/9/53	2 yr.	Chemicals	Same
Phil Johnson Director.	2/9/53	2 yr.	Planting	6722 Passie Street Huntington Park, California
Leland W. Stubbs Director.	2/9/53	2 yr.	Freight	9935 Val Street Tempe City, California
 Director.				
 Director.				

OFFICERS WHO ARE NOT DIRECTORS

NAME	Date of Election	Term of Office	Character of Business	Post Office Address (Street, City, State, if any)
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I hereby certify that the principal office of the Arizona-Eastern Fluorspar Corporation is located at Cherry Building, No. 100 Nevada Street, Reno, Washoe County, Nevada, and that Nevada, Arizona and Trust Company is the duly authorized agent of said corporation, a change of said office upon which no action can be taken.

Fred H. Haselhorst

(Name of Officer)

Sec. Arizona-Eastern Fluorspar Corporation

STATE OF NEVADA, COUNTY OF WASHOE, CITY OF RENO, NEVADA

I, the undersigned, being a resident qualified person, do hereby certify that Fred H. Haselhorst is duly qualified to act as Secretary of the Arizona-Eastern Fluorspar Corporation, a corporation organized under the laws of the State of Nevada, and that he is a resident of the State of Nevada.

Given under my hand and seal of office this 14th day of July, 1954.

W. A. ...

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**ARIZONA DEPARTMENT OF MINERAL SOURCES**  
**Mineral Building, Fairgrounds**  
**Phoenix, Arizona**

Mr. C. L. Whitelock

1. Information from: \_\_\_\_\_  
Address: Box 698 Benson (San Pedro Motel)
2. Mine: Lone Star 3. No. of Claims - Patented \_\_\_\_\_  
Unpatented 4
4. Location: Whetstone Mts. Benson quadrangle
5. Sec 26&35 Tp 18S Range 19E 6. Mining District Whetstone
7. Owner: \_\_\_\_\_
8. Address: \_\_\_\_\_
9. Operating Co.: \_\_\_\_\_
10. Address: \_\_\_\_\_
11. President: Mr. C. L. Whitelock 12. Gen. Mgr.: Same
13. Principal Metals: Fluorspar 14. No. Employed: 8
15. Mill, Type & Capacity: none
16. Present Operations: (a) Down  (b) Assessment work  (c) Exploration   
(d) Production  (e) Rate \_\_\_\_\_ tpd.
17. New Work Planned: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
18. Misc. Notes: Have built new ore bin since last vist, have an order for 600  
tons from Kaiser Steel . Are mining from the 100, 250 and the bottom or 300'  
level. Reports the ore 8 to 12 feet wide.  
visited by ehgineer 5-9-67  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Date: 5-12-67

G. W. Irvine  
(Signature) (Field Engineer)

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine Lone Star Mine Date March 14, 1967  
District Whetstone District - Cochise County Engineer G. W. Irvin  
Subject: Information from George H. Peverill - Visit by engineer

References: See previous reports.

Location: The main shaft is in Sec. 35, T18S, R19E.

Owner: Mr. C. Thiercof, J. Marcil of Los Angeles

\* Operator: C. L. Whitelock and others are forming a company to operate. The mailing address is Box 698, Benson, Arizona 85602.

Work Planned: The mine has been pumped out and the mining of fluorspar is supposed to start soon. At the present time Mr. Peverill and other of the company organizers are doing the work.

Workings: The main inclined shaft is inclined about 75 degrees to the east. It is about 300' deep and has levels at the 100', 165', 250' and 300' stations.

Note: Mr. Peverill whose address is Box 698, Benson 85602, stated that they had a market for the fluorspar and hoped to be in production soon.

Claims: Four unpatented.

Mine visit. Lone Star (H & D) mine and field interview with Mr. Birchfield Sr. and Mrs. Gabriel Camara. Mr. Birchfield is working to reassemble the hoist that was reportedly stolen and to dewater the shaft so as to get the mine operating. Mr. Birchfield stated that he has a contract with Marathon Steel Company for 20 tons of fluorspar a month, but none has been shipped for two months. Several tons of ore are sitting in a loading hopper. The material in the hopper appears to contain considerable dirt and sand. When the hoist is restored, lights installed and the shaft dewatered, Mr. Birchfield plans to operate the underground mine. Mrs. Camara said that our file on the Lone Star (H & D) mine should contain a copy of the mandate issued by the Arizona Supreme Court. Mandate number is 9061-PR. KAP Report of April 19, 20, 1973

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Visited the Lone Star Mine west of Benson. Someone living at the mine; appears to be some work going on. No one was around. GWI WR 12/6/73

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There appears to be a lived in mining camp at the Lone Star mine. GO WR 3-29-74

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The Whetstone Mountain area mining was apparently limited to assessment work at the Copper Plate mine and the Lone Star. At the latter property mining being done in defiance of the mine inspector's orders resulted in a fatality. GWI AR 73-74

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Telephone call from Mrs. M.E. Fischer, (805) 256-3553, Star Route #1, Box 44, Rosamond, California, 93560, who has purchased the Lone Star mine from the Birchfields and is leasing it back to them; wanted to know about mine reports. I told her what was available, but suggested that the best information on the mine would be from a Thesis by Burnet. GWI WR 9/30/74

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Telephone call to Mrs. M.E. Fischer to caution her and suggest that she be sure of the court records involving the Lone Star Fluorspar mine near Benson. GWI WR 10/1/74

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Went to the Lone Star mine about 12 miles SW of Benson. Here the collar of the shaft is nailed down and an Arizona State Mine Inspector's notice Not to Enter. GW WR 1/17/75

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Went to the Lone Star mine 16 miles ~~W~~W of Benson. Here the vein is contained in a schist which strikes N35-50E and dips an average of 60°SE. The vein strikes N35W and dips steeply(?) NE. About 35 feet from the north end of a stope the vein changes strike to N75W due to a N35°E striking fault. The only spar apparent was 18" in a small pillar at the entrance to the north stope. About 260 feet SE of the main shaft which is reported to be 450 feet deep, is a 10 foot shaft with a 3 foot quartz breccia vein but no spar. In the vicinity of the stope north of the main shaft the schist is altered considerably to mainly sericite. GW WR 3/10/75

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LONE STAR MINE

COCHISE COUNTY

Axel L. Johnson says C. E. Thiercof owns the Lone Star Fluorspar Mine near Benson. 851 South Mansfield, Los Angeles, California. May 4, 1960

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Mr. Camara states that the Lone Star mine is reached by the new highway cutoff before you reach Benson going to Sierra Vista. You take Highway 90 south for 8 miles and at mile point 298 turn right - go through a gate for three miles south and west. About 1½ miles off the main highway you reach a small house and another gate after leaving the small house area you take a left fork in the road and go another mile or so to the mine. (Gate is the D mine Road)

He states that he needs a mine contractor to mine the ore which he is going to ship to Oakland - to American Minerals. Phone call to LP - 2-6-64

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Mr. Gabriel M. Camara, 3918 W State Avenue, Phoenix - works for Nuclear Corp. of America - phone at work 272-1341, ext. 284 was in the office and stated that they have located the Lone Star fluorspar mine near Benson. 1-31-64

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Gabriel Camara, stated that he was in partnership with H. Birchfield<sup>SR.</sup> under the name of Desert Mining Co., that they were working the Lone Star mine near Benson and had shipped 22 tons of fluorspar to Allison Steel. He said that Kaiser Steel were interested but wanted more information about the mine and ore reserves in same. ALJ WR 2-10-64

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Gabriel Camara, 3918 West State Ave., Phoenix told engineer that the Lone Star Mine was closed down on April 10 on account of legal difficulties. ALJ WR 4-27-64

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\* Mr. Tate (M. L. (Tex), Ponderosa Development Co., Box 4800 N, Tucson asked for information on the Lone Star Mine (fluorspar) near Benson. Mr. Tate says his company has an option to lease the Lone Star Mine. ALJ WR 9-21-64

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Mr. M. L. Tate, Tucson, reported that the Lone Star Fluorspar mine is still under litigation. ALJ WR 5-15-65

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It was reported that Lone Star Mine near Benson shipped a load of fluorite - will check later. GWI WR 5-6-67

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Visited the Lone Star Fluorspar mine - Frank Otero in charge - operating. GWI WR 9-3-67

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\* Lone Star Mines Division plans to start mining operations in the state according to C. L. Whitelock, company president. The first project contemplated by the company is the development and production of fluorspar.

The company has acquired the rights to the Lone Star mine located at the base of the Whetstone Mountains near Benson and expects to be in full operation by July 1967 Whitelock said. He estimated that the first years production will approximate 12,000 tons. E&MJ June 1967 p. 246

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The Lone Star Fluorspar mine in the Whetstone district of Cochise County, Arizona has made several shipments of fluorspar to the Kaiser Steel Company. Production comes from the 100, 250 and bottom or 300 foot levels. C. L. Whitelock of Benson, Arizona heads the operating group. Pay Dirt 11-17-67

*(SNA) D. C. M. R. Engineer WAS informed by someone at the mine*  
 The Lone Star Fluorspar Mine near Benson shut down last week, "ran out of ore." The operator, Mr. Whitelock, has three men driving a drift at the Sunset mine. GWI Note 12-18-67

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The Lone Star Fluorspar mine west of Benson was shut down by the first of the quarter. GWI QR 6-1968

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Visited Lone Star Fluorspar - no activity. GWI WR 2-7-70

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\* Litigation to determine the value of the ore removed from the Lone Star mine continues in the Cochise County Court. GWI QR 2-27-70

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Information from Cochise County to the effect that the Judge found for Thiercof and Marcel as owners of the property as opposed to Birchfield and Camara. 4-1971 REFER TO MANDATE  
 INFORMATION CORRECTED AS TO  
 BIRCHFIELD UHJ 11-30-72

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Mine visit - Lone Star Fluorspar mine - no activity. GWI WR 4-12-71

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DEpartment of Mineral Resources - Fluorspar p. 10

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LONE STAR MINE

COCHISE COUNTY

Royis Ward  
Omega Minerals Inc.  
723 Frank Nelson Bldg.  
Birmingham, Alabama 35203

Phone AC 205 254 3155

Assistant is A.M.W. Hamilton

*not true*  
Told J.H. Jett they have reached agreement with Mr. Birchfield on leasing the property. Will start dewatering the shaft immediately. Reportedly has 300 ft. of water but making only 35 g.p.m.

Trying to pick up Pearce fluorspar property that Environmental Engineering has leased. It is in some type of litigation at this time (possibly bankruptcy proceedings).

JHJ - 5-1-72

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Mine visit. Lone Star Mine near Benson, no one around. (Not operating). GWI WR 3/9/72

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Mine visit. Lone Star Fluorspar. Looked over lone area with field glasses and could see no one around so did not make the last couple of miles to the mine. GWI WR 9/14