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AN
INFORMATIVE REPORT
on the
HAIGLER LIMESTONE DEPOSIT
in the
DRAGOON AREA
COCHISE COUNTY, ARIZONA
by

Richard E. Mieritz
Registered
CONSULTING MINING ENGINEER
Phoenix, Arizona

January 23, 1961

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Composite Drill Log, Hole 2

Composite Drill Log, Hole 3

Composite Drill Log, Hole 4

Composite Drill Log, Hole 5

INTRODUCTION

At the request of Mr. A. L. Goodman, Trustee of the Haigler Trust, the following report has been prepared to acquaint the reader with such data and information relating to the feasibility of producing and marketing portland cement in Arizona by utilizing the local available raw materials from the property known as Haiglers Limestone located near Dagoon, Arizona where the raw materials are of excellent purity, exhibit sufficient quantity and have the necessary utility facilities on the property. (See Map or Plate I, Cement Plants).

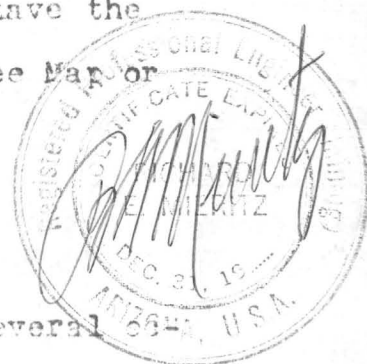
CONCLUSIONS

The writer having visited the property on several occasions and examined same, concludes the following:

(1)- The Haigler Limestone and Clay deposits herein described possess all the necessary quantities and qualities required for excellent manufacture of cement as well as having the required facilities of water, natural gas, power and transportation within easy reach of the property.

(2)- Limestone, 95% CaCO_3 , or better, of light to white character with approximately 1% MgO is available from the property in quantity in excess of 100 million tons while the reserves of the clay deposit exceed 50 million tons and which has the proper distribution of the necessary minerals to produce an excellent cement.

(3)- A "market" report prepared by any of the well recognized specialists in that field, I am sure, will substan-



late the writers statements as to the potential market for the product. A third cement plant in Arizona is amply justified.

(4)- Haiglers Limestone deposit has been examined and reported upon by several Engineers of cement manufacture prominence as well as Engineers of Mines; - Messrs O. L. McCain, S. Rordan, Cement Chemists, Christie Mitchell and J. Fred Johnson, Mining Engineers, Jack Sayre, etc. All whom have experienced a visit to the property acclaim their highest regard for the deposits, their purity, the extensiveness and conveniences.

ARIZONA'S CEMENT PRODUCTION & MARKET



Although Arizona has two producing cement plants, **Pillito** and Clarkdale, both related to American Cement, produce an aggregate of 3.5 million barrels cement annually, there is ample justification and need for more and better quality cement production in the State.

Much cement is being shipped into the State from California, New Mexico and Texas.

The unusual, increasing but steady growth of Arizona has made great demands on the construction materials industry and such demands should continue for a long period of time. Further demands will be made on the industry by the proposed National Highway construction program, Bureau of Reclamation dams, etc.

PROPERTY & OWNERSHIP

The entire property consists of one Limestone-shale de-

posit and one Clay deposit with a total of 2460 acres, 1500 acres as eight 160 acre placer claims, one 40 acre claim and nine 20 acre State Leases cover the Limestone-Shale deposit whereas six 160 acre placer claims cover the Clay deposit.

All placer claims are in good legal order with the necessary annual assesment work up to date. These claims are held by right of location and were staked prior to the Minerals Leasing Act of August 13, 1954. The State Leases are all valid and do not expire until the year 1975 or later.

Owners of the property and Leases are Haiglers Trust, etal, Phoenix, Arizona.

LOCATION and FACILITIES

The Limestone-Shale deposit is three miles east of Dagoon which is 65 miles southeasterly from Tucson and 20 miles south-westerly from Wilcox, both towns being on the major U. S. Highway 86 connecting one town with the other. Dagoon itself is on the old portion of State Highway 86, a gravel road but well maintained. (See Plate 3, General Surface Map)

The Tucson-ElPaso Branch of the Southern Pacific Railroad passes through the middle of the property.

El Paso Gas and Electric Companys 24 and 36 inch natural gas lines from Texas to California pass through the property as does a 66,000 volt REA transmission line.

Culinary water is available at Dagoon but a larger water supply could be developed further east towards Sulphur Springs Valley. Good flows of water in this area have been encountered at a 300 to 400 foot depth by the agricultural developers.

Local and long distance telephone service through the Benson



exchange is available from all points in the Dragoon area.

GEOLOGY

Except for a small area of Quaternary sand and gravel in the gap between the Gunnison Hills and the Dragoon Mountains the Carboniferous Sediments outcrop abundantly over the entire property. In particular, the Escabroas Limestone member is almost 100% pure and is credited with a thickness of some 330 feet but apparently is much thicker in this area.

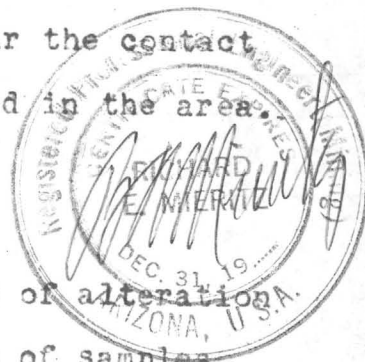
Portions of the Escabrosa limestone member have been marblized but such conditions are localized near the contact with the Cretaceous igneous intrusions exhibited in the area.

LIMESTONE DEPOSIT

The Limestone member is exceptionally free of alteration and silicification as indicated by the analysis of samples and is also relatively free of any other detriments to cement manufacture such as magnesium, iron, etc. The analysis of several samples are separately provided in the Sample Assay Data tabulation following the report.

Much of the limestone when ground to a "fine" state can be classified as "White" as contrasted to the "gray" which is most commonly produced, even though the rock is a blue-gray in its natural state. This characteristic will provide a superior product which can command a higher price market-wise.

One quarter mile north of the railroad in Section 15 and about a similar distance south of the railroad in Section 23, limestone outcrops above the valley gravels and rises quite



rapidly exposing approximately 400 vertical feet of limestone which, in Sec. 15 the dips are 25-30° NE and in Sec. 23 the dips are 15-20° to the South or SSW.

DIAMOND DRILLING

As part of the annual assesment work for several years, five diamond drill holes were drilled. The locations of these holes are shown on Plate 4, General Surface Map.

The location of Drill Hole 1 was chosen by the writer in 1957. Location of subsequent drill holes was left to the judgement of the Sierra Drilling Co. Such locations are not prone to be advantageous to providing information that would benefit the property as a whole, particularly holes 2, 4, and 5. The information obtained from these holes is too local.

Overall core recovery for the five drill holes is not particularly impressive for the type rock that was penetrated. A review of the core shows much grinding has occured during the drilling operation. The fractured nature of the rock no doubt "blocked" the core barrel quite frequently, requiring short runs, however, drilling operation no doubt continued after the "blocking" occured, thus, much grinding of the core and only fair recovery. Drill runs are not adequately marked in the core boxes, thus one does not known what depths are represented by the core recovered.

The recovered core for each hole is stored in standard cardboard core boxes and located in Mr. Haiglers garage at 1211 North 1st Street, Phoenix.

To provide some information on the analysis of the liner



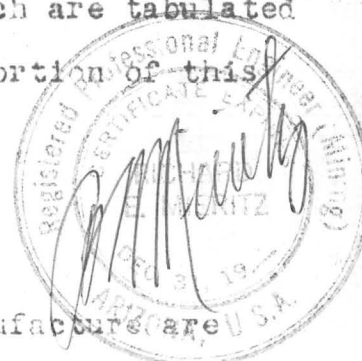
stone at depth, two samples were prepared from Drill Holes 1 and 4. The sample from hole 1 was prepared by splitting the core from depths 50-60 feet and 110-120 feet, combining this material as one composite and assaying. A similar sample from depths 50-60 feet and 120-130 feet in hole 4, combining same as a composite and assaying both samples for CaO, Ignition Loss, MgO, R₂O₃ and SiO₂. Results of the analyses are indicated on the respective drill logs. The writer suspects that both holes, were they continued in depth another 50 to 100 feet, they would intersect the Cretaceous Granite exposed in the area to the west and the formation which has caused the uplift of the limestone. The increase in silica content thus indicates this thought.

All drill holes were geologically logged by the writer as well as such physical information as hole size, casing, core recovery, etc. Drill logs are included in this report.

Although this sampling represents only a small portion of the core obtained, the writer believes the results to be indicative of the material available particularly so since there is little content variance indicated by the analysis of the surface samples which were taken at wide spaced locations in Sections 15, 16, and 23, the analysis of which are tabulated under Sample Assay Data following the written portion of this report.

RAW MATERIAL SUPPLY

The two major raw materials for cement manufacture are in close proximity and in abundant supply.



Tonnage-wise, there is little doubt that sufficient material exists within the property limits to provide a plant with raw materials for many years. The exposures alone on three quarters of Section 15 contain some 26,000,000 tons of limestone or approximately 60,000,000 barrels of cement. This volume considers only that portion exposed above the valley gravels.

To indicate a minimum potential of limestone within the Haigler property, the writer has calculated the volume of limestone available above an elevation of 4600 feet. This elevation was chosen because it closely approximates the alluvium outline, all material above this contour being exposed limestone.

For support of a tonnage figure, each 50 foot contour at and above the 4600 elevation was successively planimetered to determine the area of concern. The average end method, horizontally, was then used to determine the volume between contours, the summation of which provides a figure of 26,000,000 tons for Sections 14, 15 and 16 and 19,000,000 tons for Section 23 of the property or a total of 45,000,000 tons. This tonnage represents a 108 year supply for a 1,000,000 barrel per year plant. Further, each foot of depth vertically below the 4600 foot elevation for Sections 14, 15, 16 and 23 represents 266,000 tons or 26,600,000 tons for a 100 foot depth.

Combining these tonnage figures provides 71,600,000 tons of limestone which would produce 2,000,000 barrels of cement for 70 years.

SHALE DEPOSIT

Shale beds of varying thicknesses are exposed in several



places within the property. Principal occurrences are on the eastern edge of the property in Section 14 and this ground is covered by State Leases. (See assay data sheet for results of two shale samples.)

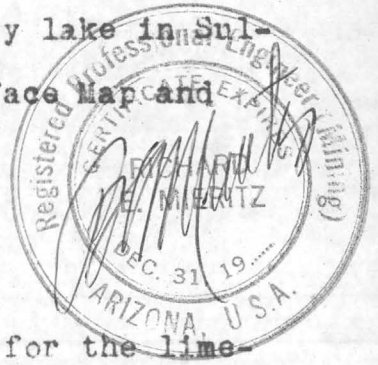
CLAY DEPOSIT

The clay property included in the "unitization" is in Sulphur Springs Valley, adjacent to the Railroad and nine miles distant over a well maintained road, thus, transportation of the material to the cement plant site (Section 157) can be either by truck or railroad.

This property has been established and partially developed as a suitable admixture clay deposit by six wide spaced "2 inch" diameter auger holes to a depth of 12 feet, also by two diamond drill holes to 60 foot depths. The development indicates ample clay reserves for any requirements demanded by the cement plant capacity and its suitability would be determined in any and all tests of the total aggregate in cement production. The occurrence of this material lies in an ancient dry lake in Sulphur Springs Valley. (See Plate 3, General Surface Map and Sample Data Sheet.)

MINING

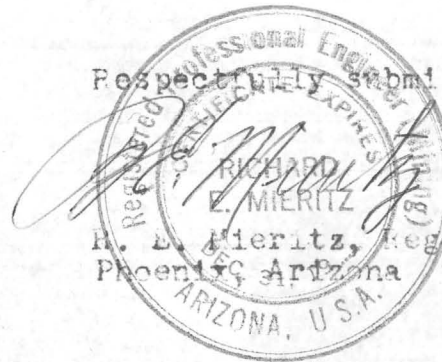
Low cost mining can be accomplished easily for the limestone, shale and clay materials. Little to no stripping of over-burden would be required. Mining of the limestone can be accomplished by a shovel-truck operation with very short hauls, $\frac{1}{2}$ to 1 mile for the limestone; mining of the shale and clay can be accomplished by front end loader-truck combination with



very short hauls, $\frac{1}{2}$ to 1 mile for the shale and nine miles for the clay. All mining for many years to come would be north and above the present gravel contact and all loads for the limestone and shale would have favorable down grades.

The limestone is of medium to fine grained in character, being fractured sufficiently to permit good fragmentation by inexpensive blasting methods. Little secondary blasting would be required.

Respectfully submitted,



R. E. Mieritz, Reg'd. Eng.
Phoenix, Arizona

January 23, 1961

SAMPLE ASSAY TABULATION

<u>Sample Descriptions</u>	<u>CaO</u> <u>%</u>	<u>Ignition</u> <u>Loss %</u>	<u>Total</u> <u>%</u>	<u>SiO₂</u> <u>%</u>	<u>R₂O₃</u> <u>Fe, Al.</u> <u>%</u>	<u>MgO</u> <u>%</u>
<u>LIMESTONE SAMPLES</u>						
Surface, State Lease, Sec. 16	53.48	41.11	94.59	3.48	1.10	0.81
Outcrop, Main Hill, Sec. 15 NW edge	51.08	40.65	91.73	6.08	0.16	0.68
✓ Outcrop, Main Hill, Sec. 15 Center, South	54.60	42.24	96.84	2.30	0.80	0.36
✓ Outcrop, Main Hill, Sec. 15 SE edge	54.66	42.35	97.01	2.68	0.30	0.36
✓ Shaft Dump, Sec. 15	53.75	42.05	95.80	2.80	0.80	0.66
Southwest Claim, Sec. 23	52.64	40.17	92.81	5.44	0.96	0.20
Composite, Pieces from various parts of property	55.64	43.35	98.99	0.68	0.23	0.06

Arg.

95.397

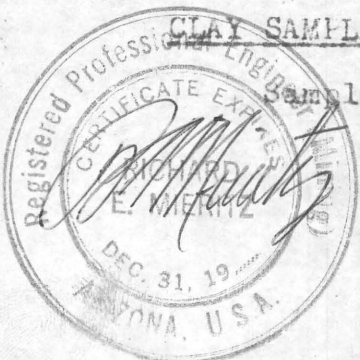
3.35

SHALE SAMPLES

	<u>SO₃</u> <u>%</u>							<u>Alk'ds</u> <u>Chlor.</u> <u>%</u>
Tunnel # 1, Sec. 14	0.00	19.21	17.35	36.56	41.70	18.52	1.98	1.10
Tunnel # 2, Sec. 14	0.00	40.65	33.70	74.35	19.06	5.02	1.63	0.10

CLAY SAMPLE

Sample from clay deposit	0.58	9.07	15.75	24.82	43.90	19.90	1.95	8.75
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Approx.
Cen.
Sec. 15

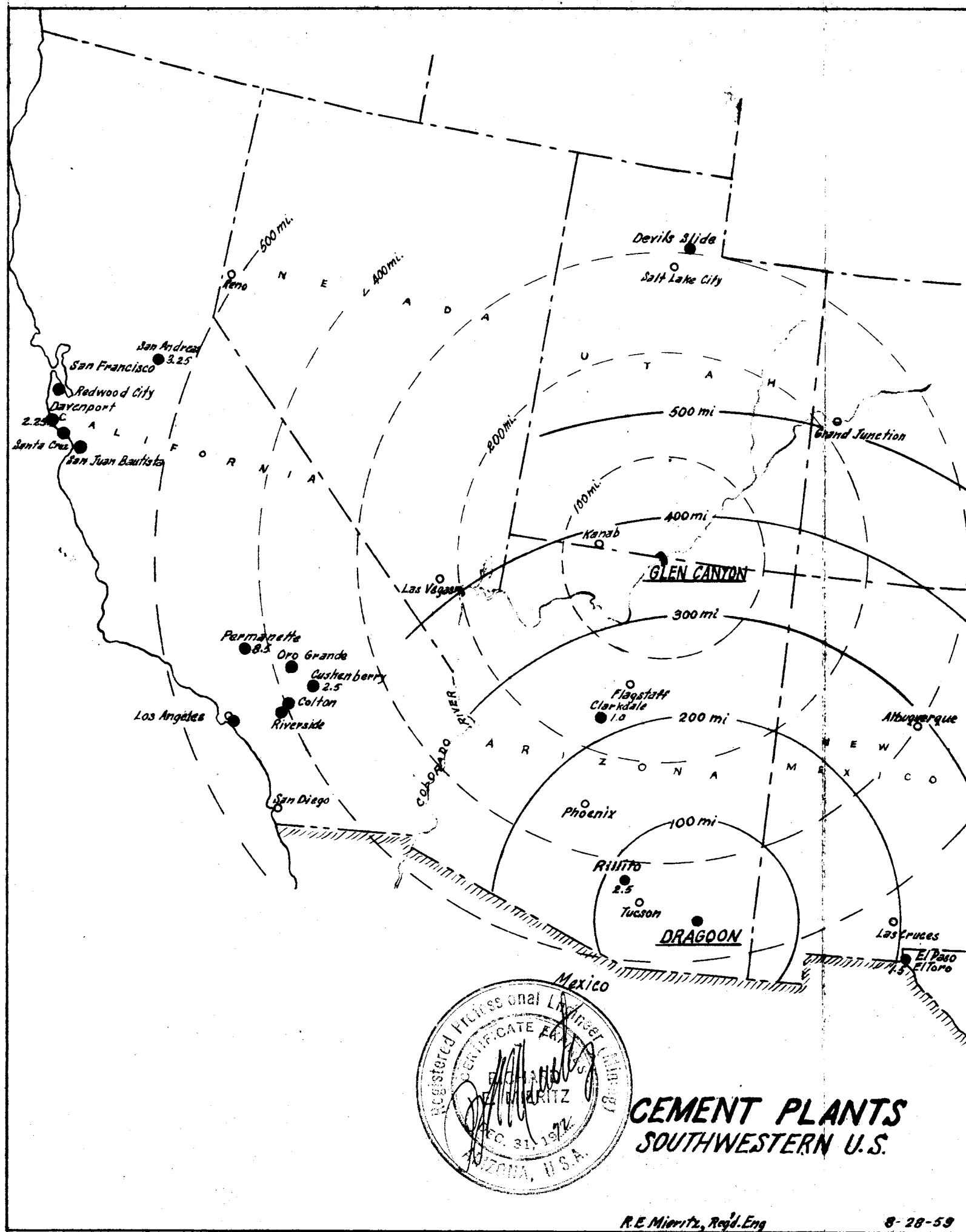
Looking NE from old
Windmill location.



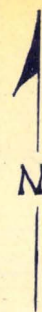
Sec 23

R.R.

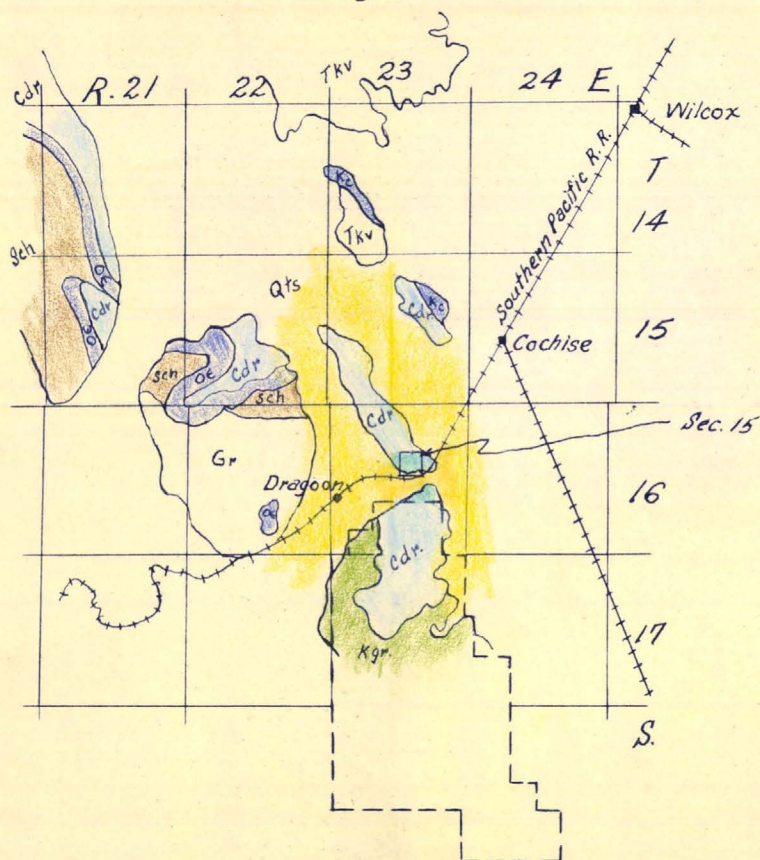
Looking SE from old Windmill location



**CEMENT PLANTS
SOUTHWESTERN U.S.**



Cochise County, Arizona



LEGEND

Sedimentary Rocks

- Qts - Quaternary Sand, gravel, conglomerate.
- Kc - Cretaceous-Shale, Sandstone, Limestone.
- Cdr - Carboniferous-Redwall & related Limestones.
- OE - Ordovician-Abrigo & related Limestones.
- Sch - Arkean Schist.

Igneous Rocks

- Tkv - Tertiary volcanic rocks
- Kgr - Cretaceous Granite, monzonite, etc.
- Gr - Pre-Cambrian Granite.

NOTE

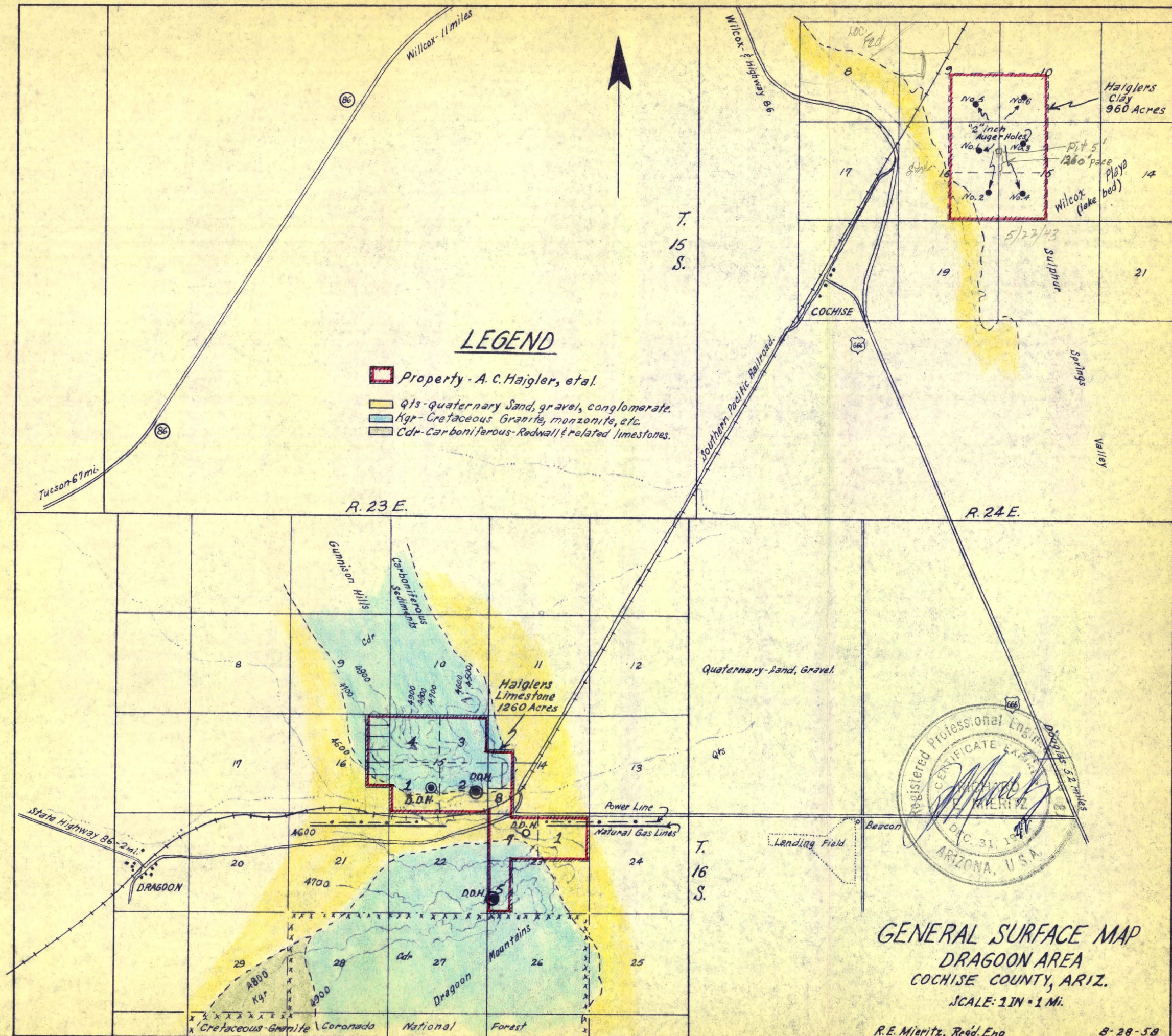
The geological information has been traced from the Geologic Map of the State of Arizona, prepared by the Arizona Bureau of Mines in cooperation with U.S. Geol. Sur.

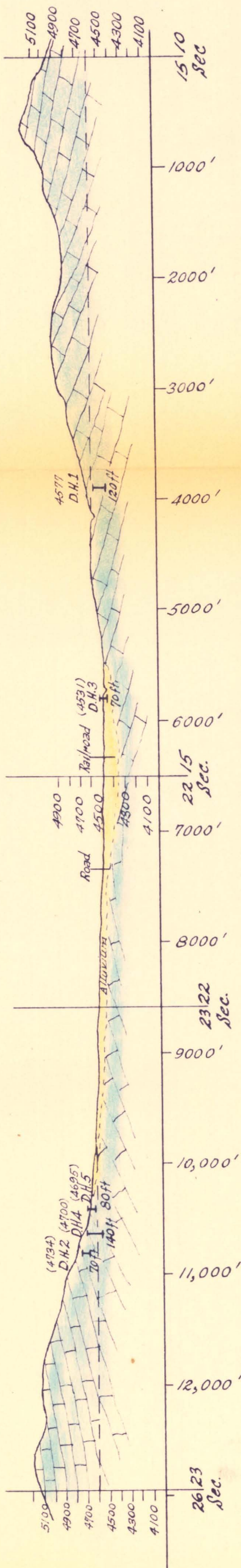
Scale - 1" = 8 mi.

July, 1957

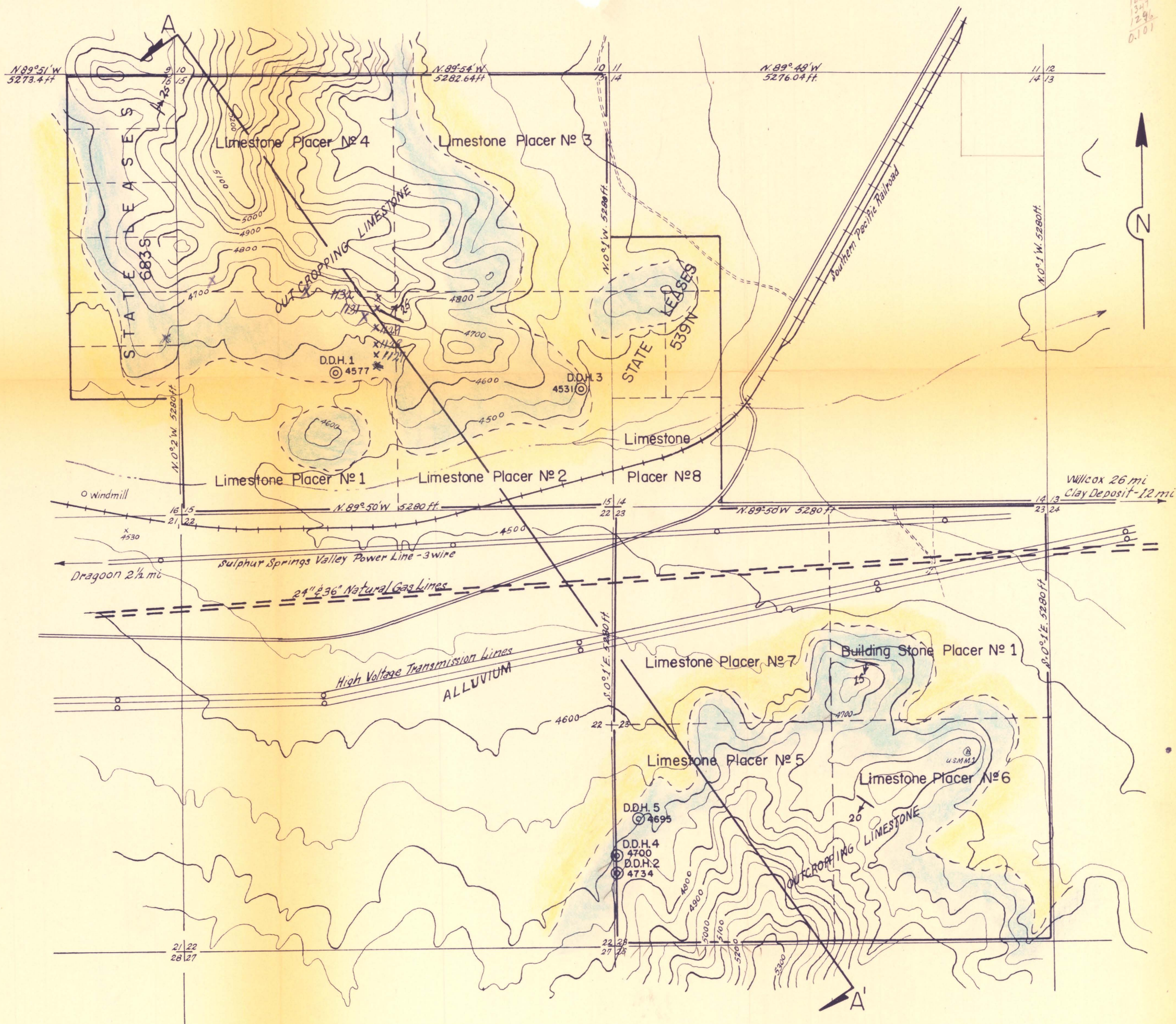
R.E. Mieritz







SECTION A-A'
Hor. & Vert. Scale: 1"=1000'
DRILL HOLES PROJECTED TO SECTION



GENERAL SURFACE MAP
HAIGLER'S LIMESTONE
COCHISE MINING DIST.
DRAGON AREA, ARIZ.
COCHISE COUNTY
SCALE: 1"=1000'



JAN., 1961
PHOENIX, ARIZONA

R.E. MIERITZ
REG'D ENG.

COMPOSITE DIAMOND DRILL LOG

HOLE N° 1

COMPANY: Haiglers TrustMINE: Haiglers LimestoneCLAIM: Limestone N° 1DISTRICT: CochiseCOUNTY: CochiseSTATE: ArizonaTWS: 16 S.RGE: 23 ESEC: 15

N.S. _____

E.W. _____

BEARING: VerticalANGLE: 90°ELEVATION: 4577 FTT.D.: 120 FT

DATE STARTED: _____

DATE COMP: _____

DEPTH	ELEV.	ROCK TYPE	GEOLOGIC DESCRIPTION & REMARKS	HOLE CASING: — —	CORE			MINERAL- IZATION	ASSAYS %			
					SIZE	RUNS	REC%					
5			Limestone - Blue-gray with small areas of tan to brown. Thin seams of shale. Some vugs, calcite lined.		BX							
10					AX							
15												
20			2 ft. Quartz seam - 1 inch			20						
25			FeO filled pencil thin seams. (limonite-yellow)									
30			Core badly ground 30 to 50 ft									
35						40						
40												
45												
50												
55			Many fractures - 50 to 80 ft.			60						
60												
65												
70												
75	4500											
80						80						
85									CaO	SiO ₂	P ₂ O ₅	MgO
90			Core badly ground 80 to 100 ft.						47.04 %	9.38 %	1.10 %	1.65 %
95									40.80 %	Ignition loss		
100						100			87.84 %	Total		
105												
110			Core ground.			120						
115												
120			Hole drilled by Sierra Drilling Corp, Mesa, Ariz.									
125												
130												
135												
140						140						
145												
150												
155												
160						160						
165												
170												
175	4400											
180			Hole Logged by; R.E. Mieritz, Reg'd Eng. Phoenix, Ariz.									
185			Jan., 1961									
190												
195												
200						200						
205												
210												
215												
220						220						
225												
230												
235												
240						240						
245												
250												
255												
260						260						
265												
270												
275												
280						280						
285												
290												
295												
300						300						



20 60 100

COMPOSITE DIAMOND DRILL LOG

HOLE N° 2

COMPANY: Haiglers TrustMINE: Haigler's LimestoneCLAIM: Limestone N° 5DISTRICT: CochiseCOUNTY: CochiseSTATE: ArizonaTWS: 16SRGE: 23ESEC: 23

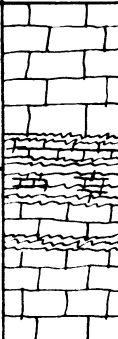
N.S. _____

E.W. _____

BEARING: VerticalANGLE: 90°ELEVATION: 4734 FT.T.D.: 70

FT.

DATE STARTED: 6-27-58DATE COMP: 7-1-58

DEPTH	ELEV.	ROCK TYPE	GEOLOGIC DESCRIPTION & REMARKS	HOLE: _____		CORE			MINERALIZATION	ASSAYS %		
				CASING: --	---	SIZE	RUNS	REC%				
5			Limestone - Blue-gray, with calcite seams & vugs.			BX	—					
10			Some yellow limonite.				—					
15							—					
20							20					
25			Shale, 1 ft @ 28 ft. Few specks Limonite after pyrite				—					
30	4700		Shale with inclusions of Limestone. (reddish brown)				—					
35			(32 to 42 ft)				—					
40			Limestone - blue-gray, 42 to 48 ft.				40					
45			Shale - 48 to 50 ft. Badly broken. - Caving.				—					
50			Limestone, dense, little calcite or iron.				—					
55							—					
60							60					
65							—					
70							—					
75			Hole drilled by Sierra Drilling Corp. Mesa, Ariz.				80					
80							—					
85							—					
90							—					
95							—					
100							100					
105							—					
110							—					
115							—					
120							120					
125			Hole logged by; R. E. Mieritz, Reg'd Eng, Phoenix, Ariz.				—					
130	4600		Jan. 1981				—					
135							—					
140							140					
145							—					
150							—					
155							—					
160							160					
165							—					
170							—					
175							—					
180							180					
185							—					
190							—					
195							—					
200							200					
205							—					
210							—					
215							—					
220							220					
225							—					
230							—					
235							—					
240							240					
245							—					
250							—					
255							—					
260							260					
265							—					
270							—					
275							—					
280							280					
285							—					
290							—					
295							—					
300							300					

20
60
100

COMPOSITE DIAMOND DRILL LOG

HOLE N° 3

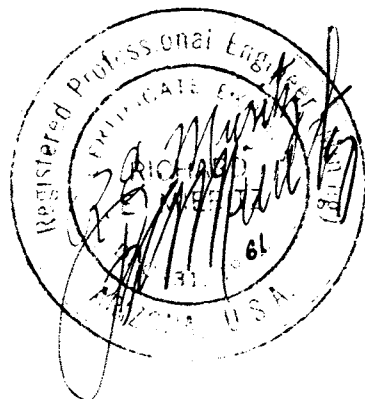
COMPANY: Haigler's TrustMINE: Haigler's LimestoneCLAIM: Limestone N°2DISTRICT: CochiseCOUNTY: CochiseSTATE: ArizonaTWS: 16 S.RGE: 23 E.SEC: 15

N.S. _____

E.W. _____

BEARING: VerticalANGLE: 90°ELEVATION: 4531 FT.T.D.: 70 FT.DATE STARTED: 7-2-58DATE COMP: 7-5-58

DEPTH	ELEV.	ROCK TYPE	GEOLOGIC DESCRIPTION & REMARKS	HOLE: _____ CASING: — —	CORE			MINERAL- IZATION	ASSAYS %		
					SIZE	RUNS	REC%				
5			Limestone, blue-gray, medium grained, calcite vugs to 3ft & 12 to 15ft. Little limonite.		BX	—					
10						—					
15						—					
20						20					
25	4500					—					
30						—					
35			Broken ground, some calcite, reddish, more iron. 33 to 36ft.			—					
40			Water course? Lms-calcite breccia. Vesicular. 40 to 42 ft.			40					
45			Limestone, blue-gray, solid, few fractures. Some vugs.			—					
50						—					
55			Shale, 6", reddish @ 58 ft.			—					
60			Badly broken Limestone - core ground.			60					
65						—					
70						—					
75						—					
80			Hole drilled by Sierra Drilling Corp., Mesa, Ariz.			80					
85						—					
90						—					
95						—					
100						100					
105						—					
110						—					
115						—					
120						120					
125						—					
130	4400		Hole logged by: R.E. Mieritz, Reg'd Eng, Phoenix, Ariz. Jan., 1961			—					
135						—					
140						140					
145						—					
150						—					
155						—					
160						160					
165						—					
170						—					
175						—					
180						180					
185						—					
190						—					
195						—					
200						200					
205						—					
210						—					
215						—					
220						220					
225						—					
230						—					
235						—					
240						240					
245						—					
250						—					
255						—					
260						260					
265						—					
270						—					
275						—					
280						280					
285						—					
290						—					
295						—					
300						300					

20
60
700

COMPOSITE DIAMOND DRILL LOG

HOLE No 4COMPANY: Haigler's TrustMINE: Haiglers LimestoneCLAIM: Limestone No 5DISTRICT: CochiseCOUNTY: CochiseSTATE: ArizonaTWS: 16 SRGE: 23 ESEC: 23

N.S. _____

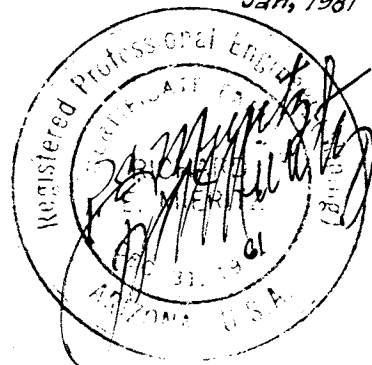
E.W. _____

BEARING: VerticalANGLE: 90°ELEVATION: 4700 FT.T.D.: 140 FT.

DATE STARTED: _____

DATE COMP: _____

DEPTH	ELEV.	ROCK TYPE	GEOLOGIC DESCRIPTION & REMARKS	HOLE: _____ CASING: - - -	CORE			MINERAL- IZATION	ASSAYS %			
					SIZE	RUNS	REC%					
5	4700		Limestone, blue-gray, strongly fractured. Some calcite.		BX							
10			30° dip at 2 ft. 22° dip @ 15 ft - white-blue contact.									
15												
20												
25												
30			Light tan to brown, Thin shale seams @ 30 ft.									
35			Slightly marbled. 17° dip @ 37" (36-38 ft). Shale									
40			seams @ 38 ft. Specks of limonite after pyrite in shale.									
45			Blue-gray Limestone @ 42 ft. some calcite.									
50												
55			1/2 to 1" shale seams, 55 to 60 ft.									
60												
65												
70												
75												
80			4" Shale and mud seam @ 82 ft. Reddish.		AX							
85												
90												
95												
100	4600		Small areas brown-gray lms. 90 to 130 ft. Slightly frac-									
105			tured. dips about 20° Small calcite vugs. Finer grained									
110			in places. Some iron.									
115												
120												
125												
130												
135			Little iron, little calcite.									
140												
145												
150			Hole drilled by Sierra Drilling Corp., Mesa, Ariz.									
155												
160												
165												
170												
175												
180												
185												
190												
195												
200			Hole logged by; R.E. Mieritz, Reg'd Eng. Phoenix, Ariz.									
205			Jan, 1981									
210												
215												
220												
225												
230												
235												
240												
245												
250												
255												
260												
265												
270												
275												
280												
285												
290												
295												
300												

20
60
100

COMPOSITE DIAMOND DRILL LOG

HOLE No 5

COMPANY: Haigler's Trust MINE: Haiglers Limestone CLAIM: Limestone No 5 DISTRICT: Cochise
 COUNTY: Cochise STATE: Arizona TWS: 16 S. RGE: 23 E. SEC: 23 N.S. _____ E.W. _____
 BEARING: Vertical ANGLE: 90° ELEVATION: 4695 FT. T.D.: 80 FT. DATE STARTED: _____ DATE COMP: _____

DEPTH	ELEV.	ROCK TYPE	GEOLOGIC DESCRIPTION & REMARKS	HOLE: _____ CASING: _____	CORE			MINERAL- IZATION	ASSAYS %		
					SIZE	RUNS	REC%				
5			Limestone - mostly blue-gray, some tan. Little iron. Some calcite seams & vugs. Core has been extremely groundup - many pebbles - poor job of drilling. Total core recovery was 10 ft of core for 80 ft of drilling or 12% recovery. There were no footage marks in core box to indicate drill runs.		AX						
10											
15											
20											
25											
30											
35											
40											
45											
50											
55											
60											
65											
70											
75											
80											
85			Hole drilled by Sierra Drilling Corp, Mesa, Ariz. Hole logged by: R.E. Mieritz, Reg'd Eng. Phoenix, Ariz. Jan, 1961 								
90	4600										
95											
100											
105											
110											
115											
120											
125											
130											
135											
140											
145											
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260											
265											
270											
275											
280											
285											
290											
295											
300											

200
400
600

*Quas
Northside.*

Highers Trimestone.

Clay.

1	5200	.0	.0080	0	8000
2	5150	.016	.0840		37000
3	5100	.058	.0755		75500
4	5150	.093	.1140		114000
5	5000	.135	.1540		154000
6	4920	.173	.3225		322500
7	4900	.472	.4790		479000
8	4850	.486	.5670		567000
9	4800	.648	.7520		752000
10	4750	.856	.9800		984000
11	4700	1.112	1.2820		1282000
12	4650	1.452	1.6195		1619500
13	4600	1.787			

5200 2600
2400
2400
15600

24 5200
15215600

247316
424633

123
1507777
2,500,000/ft depth
1,250,000/ft depth

12/6394500. 532845

50

26643950

1x9

12/1787,000

142,000/ft.

12

58

48

107

26,640,000 Tans N.

19,046,000 Tans S

45686000 Total

46,000,000 Tans.

above 4600 Elevation

23	5300	.003	.0065		6500
24		.010	.0160		16000
25	5200	.022	.0325		32500
26		.043	.0590		57000
27	5100	.071	.0825		82500
28		.094	.1095		109500
29	5000	.125	.1430		143000
30		.161	.1815		181500
31	4900	.212	.2475		247500
32		.283	.3275		327500
33	4800	.372	.4530		453000
34		.534	.6780		678000
35	4700	.822	.9700		970000
36		1.118	1.2465		1246500
37	4600	1.405			

149,000

117,000

117,000/ft
12/1,435,000

24600,000

Total

12/4571000

3809.7

50

19,045,850

10820,000

ARC LABORATORIES

Division of Arizona Research Consultants, Inc.

9236 NORTH 10TH AVE.

PHOENIX, ARIZONA 85021

943-3573

FOR: R.E. Miertz
11031 White Mountain Rd.
Sun City, Arizona

DATE July 19, 1972

LAB No. 11884-11888

RESULTS

Lab No.	Your No.	% CaO	% CaCO ₃	% SiO ₂
11884	1127	50.0	89.3	7.65
11885	1128	49.2	87.8	10.2
11886	1129	38.2	68.2	23.3
11887	1131	51.9	92.6	5.42
11888	1132	46.6	83.2	8.31

Respectfully submitted,
ARC LABORATORIES

John T. Long, Jr.

July 20, 1972

To:
Marion H. Gibbons
1010 State National Building
412 Main Street
Houston, Texas, 77002

INVOICE

For Professional Services Rendered in Con-
nection with field examination and
office time on the Haigler Limestone
property, Section 15, T. T. 16 S., R.
23 E., Cochise County, Arizona.

1 day field trip @ \$150.00/day	\$ 150.00
1/2 day Office time, tape recording and letter report. @ \$150.00/day	\$ 75.00
Total	<u>\$ 225.00</u>
Your check #1350, Services. Cr.	<u>\$ 150.00</u>

Total due \$ 75.00

Out of Pocket Expenses

See Expense Report attached. \$ 68.12

Your check #1350, Assaying. Cr. \$ 50.00

Total due \$ 18.12

Total due, Fee and Expenses \$ 93.12

Please remit to R. E. Mieritz
at the above address.
Thank you.

July 20, 1972

Mr. Marion H. Gibbons,
Attorney at Law
1010 State National Building
412 Main Street
Houston, Texas, 77002

Dear Mr. Gibbons:

Thank you for your phone call of even date but I regret I had to advise you of the discouraging results of the samples we had taken on Saturday. A copy of the assay certificate is herewith attached.

Unfortunately, no sample taken on Saturday would meet the specifications as desired by Spreckles. The end result therefor appears to be that there is little chance of finding limestone material on the property worthy of consideration from the Spreckles standpoint. Purchase of the property must therefor be based on the cement manufacture value and investment required but before such decision is made, market studies must be made in this direction. On this matter I can not advise. To qualify the property from the raw material angle, I must go back or refer to my original report, "The Haigler Limestone and Clay deposits possess all the necessary quantities and qualities required for excellent cement manufacture."

Much of this has already been explained in the "Tape" which was mailed to you this morning.

The five samples were taken on more or less a north-south line, approximately 300 to 400 feet west of the north-south center line of section 15 and from the upper reaches of the alluvium north up the hill slope for a horizontal distance of 500 to 600 feet. Some sections of this distance were eliminated strictly on the visual observation of an excess amount of silica in the outcrops. The samples are described as follows:

- #1127- starting at alluvium edge, a 75 foot chip samples of blue-gray limestone. Marked stake at end of sample.
- #1128- continuing from 1127, a 50 foot chip uphill to contact of tan colored limestone bed and outcrop. Material as 1127. Marked stake at end of sample length.
- #1129- Sample commenced at top of tan bed, probably 150 north of end of 1128. Gray limestone with much silica, 50 foot chip sample. Tan bed eliminated because of color and much silica.
- #1131- Light gray limestone with some pink limestone. 100 foot chip sample continuing from 1129. Little extraneous silica noticeable. Should be best of all samples. Marked stake at end.
- #1132- Light gray limestone, much like 1131 but a tendency for the extraneous silica to increase. 50 foot chip sample as a continuation of 1131. Marked stake at end of sample.

During our phone conversation of this date, you asked if perhaps we may have missed an area and if more sampling might indicate a favorable area. I could say yes in the hopes of doing the work, however, the sampling completed by ourselves very strongly indicates that the limestone in this area, even though it be the Escabrosa formation which is usually one of the better formation in Arizona, will contain more silica than allowable by Spreckles. We actually sampled a pretty good thickness of the formation and geologically, it is a reasonable conclusion that the entire thickness of the formation will be silica prone. This does not condemn the property by any means, it merely eliminates a minimum source of revenue. To your question, I must therefor say no. I very seriously doubt now that any material could be found to satisfy Spreckles specifications.

Included herewith also is the invoice and expense account for my retainment. Time-wise, over and above our day in the "field", I have spent 2½ hours on the tape recording. Our field trip travel consumed 440 miles plus 51 miles to the assayer for the sample rejects. To cover the latter, I have added 1 3/4 hours as time, rather than mileage at the rate of 12¢/mile. This simplifys my bookkeeping. Hope this is satisfactory with you.

The assaying was a bit more expensive that I kthought it would be and this is included in the Expense report.

Credit for your check of \$200.00 has been given on the invoice.

Thank you kindly for calling upon me for this work and I would be very happy to serve you again at any time, if the need arose on this venture or any other venture in the mining industry which I feel I am capable of handling.

If there may be any further questions, please write or call.

Sincerely yours,

R. E. Mieritz,
Mining Consultant.

August 12, 1972

Mr. Marion H. Gibbons
1010 State National Building
412 Main Street
Houston, Texas, 77002

Dear Mr. Gibbons:

With my July 20th letter, I forwarded my invoice and expense account which after credit of ~~your~~ check indicated a balance of \$93.12 owing.

To date, a check for this amount has not been received and I awaited this date thinking perhaps your office utilizes the first ten days of each month to make payments of invoices.

It would be appreciated if you could mail a check for the indicated amount by return mail.

I leave Monday and would be gone until Wednesday of the same week. It could be possible the check and this letter might cross paths and if so I wish to thank you for its receipt.

Sincerely,

R. E. Mieritz

September 9, 1972

Mr. Marion H. Gibbons:
Attorney at Law
1010 State National Building
412 Main Street
Houston, Texas, 77002

Dear Mr. Gibbons:

My Junly 20th Invoice to you indicated a balance owing of \$93.12 after the required charges and credits for your check #1350. Not having received payment by August 12, 1972, I wrote you concerning this balance, however, to this date, neither a reply to my letter has been received nor has a check for the balance owing been received.

The month of August being an excellent month for vacations, it is assumed that you chose this month for your vacation, however, this being September 9th, I should have received some notice of your intention--a reply to my letter or a check for the balance.

I would greatly appreciate your check for the \$93.12 by return mail. This is now approximately six weeks old.

Sincerely yours,

R. E. Mieritz,
Mining Consultant.

July 20, 1972

Mr. Marion H. Gibbons,
Attorney at Law
1010 State National Building
412 Main Street
Houston, Texas, 77002



Dear Mr. Gibbons:

Thank you for your phone call of even date but I regret I had to advise you of the discouraging results of the samples we had taken on Saturday. A copy of the assay certificate is herewith attached.

Unfortunately, no sample taken on Saturday would meet the specifications as desired by Spreckles. The end result therefor appears to be that there is little chance of finding limestone material on the property worthy of consideration from the Spreckles standpoint. Purchase of the property must therefor be based on the cement manufacture value and investment required but before such decision is made, market studies must be made in this direction. On this matter I can not advise. To qualify the property from the raw material angle, I must go back or refer to my original report, "The Haigler Limestone and Clay deposits possess all the necessary quantities and qualities required for excellent cement manufacture."

Much of this has already been explained in the "Tape" which was mailed to you this morning.

The five samples were taken on more or less a north-south line, approximately 300 to 400 feet west of the north-south center line of section 15 and from the upper reaches of the alluvium north up the hill slope for a horizontal distance of 500 to 600 feet. Some sections of this distance were eliminated strictly on the visual observation of an excess amount of silica in the outcrop. The samples are described as follows:

- #1127- starting at alluvium edge, a 75 foot chip sample of blue-gray limestone. Marked stake at end of sample.
- #1128- continuing from 1127, a 50 foot chip uphill to contact of tan colored limestone bed and outcrop. Material as 1127. Marked stake at end of sample length.
- #1129- Sample commenced at top of tan bed, probably 150 north of end of 1128. Gray limestone with much silica, 50 foot chip sample. Tan bed eliminated because of color and much silica.
- #1131- Light gray limestone with some pink limestone. 100 foot chip sample continuing from 1129. Little extraneous silica noticeable. Should be best of all samples. Marked stake at end.
- #1132- Light gray limestone, much like 1131 but a tendency for the extraneous silica to increase. 50 foot chip sample as a continuation of 1131. Marked stake at end of sample.

During our phone conversation of this date, you asked if perhaps we may have missed an area and if more sampling might indicate a favorable area. I would say yes in the hopes of doing the work, however, the sampling completed by ourselves very strongly indicates that the limestone in this area, even though it be the Escabrosa formation which is usually one of the better formation in Arizona, will contain more silica than allowable by Spreckles. We actually sampled a pretty good thickness of the formation and geologically, it is a reasonable conclusion that the entire thickness of the formation will be silica prone. This does not condemn the property by any means, it barely eliminates a minimum source of revenue. To your question, I must therefore say no. I very seriously doubt now that any material could be found to satisfy Spreckles specifications.

Included herewith also is the invoice and expense account for my retainerment. Time-wise, over and above our day in the "field", I have spent 2 1/2 hours on the tape recording. Our field trip travel consumed 440 miles plus 51 miles to the assayer for the sample rejects. To cover the latter, I have added 1 3/4 hours as time, rather than mileage at the rate of 12¢/mile. This simplifies my bookkeeping. Hope this is satisfactory with you.

The assaying was a bit more expensive than I thought it would be and this is included in the Expense report.

Credit for your check of \$200.00 has been given on the invoice.

Thank you kindly for calling upon me for this work and I would be very happy to serve you again at any time, if the need arose on this venture or any other venture in the mining industry which I feel I am capable of handling.

If there may be any further questions, please write or call.



Sincerely yours,

R. E. Meritz,
Mining Consultant.

12/4/72

Property: *Hargler*
Sample Description: *75' chip*
shale alteration
N-S gray zone
same gta nodules
Loc: _____
From: _____ To: _____
Date: *1/14/72*

No 1127
Cu Zn
CuO Pb
(Cu₂CO₃)
S Au
(S₂As₂)
Fe Ag

Property: *Hargler*
Sample Description: *Same as 1129*
H. M. Hargler
Asphate
Loc: _____
From: _____ To: _____
Date: *1/14/72*

No 1130
Cu Zn
CuO Pb
S Au
Fe Ag

Property: *Hargler*
Sample Description: *50' chip*
uphill from #1127
N-S to contact
tan colored outcrop
Loc: _____
From: _____ To: _____
Date: *1/14/72*

No 1128
Cu Zn
CuO Pb
(Cu₂CO₃)
S Au
(S₂As₂)
Fe Ag

Property: *Hargler*
Sample Description: *light*
gray little silts
some pink
100' long
Shaly to bedded
to this point
Loc: _____
From: _____ To: _____
Date: *1/14/72*

No 1131
Cu Zn
CuO Pb
(Cu₂CO₃)
S Au
(S₂As₂)
Fe Ag

Property: *Hargler*
Sample Description: *50' chip*
Surface - N-S
gray fine (some tan)
shale thin
Loc: *Shales*
From: _____ To: _____
Date: *1/14/72*

No 1129
Cu Zn
CuO Pb
(Cu₂CO₃)
S Au
(S₂As₂)
Fe Ag

Property: *Hargler*
Sample Description: *50' sample*
chip - light gray
much like 1129
some extension
Loc: _____
From: _____ To: _____
Date: *12/4/72*

No 1132
Cu Zn
CuO Pb
(Cu₂CO₃)
S Au
(S₂As₂)
Fe Ag



ARC LABORATORIES

Division of Arizona Research Consultants, Inc.

9236 NORTH 10TH AVE.

PHOENIX, ARIZONA 85021

943-3573

FOR: R. E. Mieritz
11031 White Mountain Rd.
Sun City, Arizona

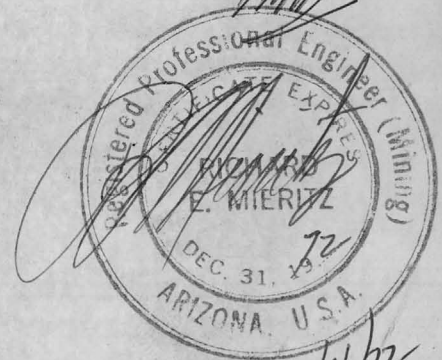
DATE July 1, 1972

LAB No. 11034-11038

RESULTS

Lab No.	Tour No.	% CaO	% CaCO ₃	% SiO ₂	$\left. \begin{matrix} \text{CaCO}_3 + \\ \text{SiO}_2 \end{matrix} \right\} \text{limestone}$
11884	1127	50.0	89.3	7.65	96.95
11885	1128	49.2	87.8	10.2	98.00
11886	1129	38.2	66.2	23.3	91.5
11887	1131	51.9	92.6	5.42	98.02
11888	1132	46.6	83.2	8.31	91.51

Avg. 95.196



Respectfully submitted,
ARC LABORATORIES

John T. Long, Jr.

July 20, 1972

To:
Marion H. Gibbons
1010 State National Building
412 Main Street
Houston, Texas, 77002

INVOICE

For Professional Services Rendered in Con-
nection with field examination and
office time on the Haigler Limestone
property, Section 15, T. T. 16 S., R.
23 E., Cochise County, Arizona.

1 day field trip @ \$150.00/day	\$ 150.00
1/2 day Office time, tape recording and letter report. @ \$150.00/day	\$ 75.00
Total	<u>\$ 225.00</u>
Your check #1350, Services. Cr.	<u>\$ 150.00</u>

Total due \$ 75.00

Out of Pocket Expenses

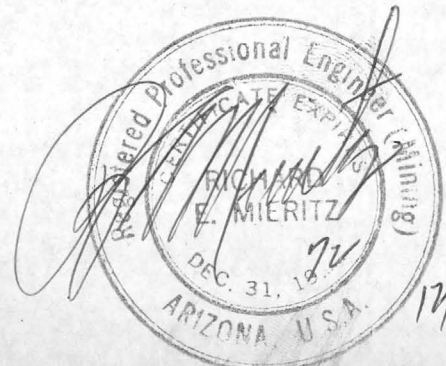
See Expense Report attached. \$ 68.12

Your check #1350, Assaying. Cr. \$ 50.00

Total due \$ 18.12

Total due, Fee and Expenses \$ 93.12

Please remit to R. E. Mieritz
at the above address.
Thank you.



RICHARD E. MIERITZ
MINING CONSULTANT

No. 219

PAY
TO THE
ORDER OF

A. B. C. Laboratories, Phoenix, Ariz.

July 26 1972

91-283
1221

Sixty seven and 50/100

\$ 67.50

DOLLARS



SUN CITY REGIONAL HOME OFFICE
UNITED BANK
OF ARIZONA

99TH AVE. & THUNDERBIRD BLVD. 85351

5-Calco 1127, 28, 29

5-Sior 1131, 32

⑆122100283⑆

Richard E. Mieritz

6000801155⑈

⑈0000806750⑈

AL-3



August 12, 1972

Mr. Marion H. Gibbons
1010 State National Building
412 Main Street
Houston, Texas, 77002

Dear Mr. Gibbons:

With my July 20th letter, I forwarded my invoice and expense account which after credit of your check indicated a balance of \$93.12 owing.

To date, a check for this amount has not been received and I awaited this date thinking perhaps your office utilizes the first ten days of each month to make payments of invoices.

It would be appreciated if you could mail a check for the indicated amount by return mail.

I leave Monday and would be gone until Wednesday of the same week. It could be possible the check and this letter might cross paths and if so I wish to thank you for its receipt.

Sincerely,

R. E. Mieritz



SENDER: Be sure to follow instructions on other side

PLEASE FURNISH SERVICE(S) INDICATED BY CHECKED BLOCK(S)

(Additional charges required for these services)

☐

Show to whom, date and address
where delivered

☐

Deliver ONLY
to addressee

RECEIPT

Received the numbered article described below

REGISTERED NO.

SIGNATURE OR NAME OF ADDRESSEE *(Must always be filled in)*

CERTIFIED NO.

1

Marvin H. Gibbons

262686

2

SIGNATURE OF ADDRESSEE'S AGENT, IF ANY

INSURED NO.

Robert L. Gibbons

DATE DELIVERED

3

SHOW WHERE DELIVERED *(Only if requested, and include ZIP Code)*

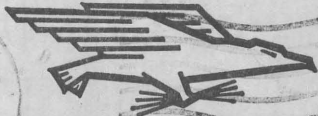
9-12-72

PS Form 3811

Nov. 1970

c55-16-81277-1

U.S. POSTAL SERVICE
OFFICIAL BUSINESS



PENALTY FOR PRIVATE USE TO AVOID
PAYMENT OF POSTAGE, \$300

Postmark of Delivering Office

SENDER INSTRUCTIONS

Print in the space below your name, address, including ZIP Code.



- If special services are desired, check block(s) on other side.
- Moisten gummed ends and attach to back of article.



**RETURN
TO**

*P. E. Meritz
11031 White Mtn Rd.
San City, Az, 85351*

September 9, 1972

Mr. Marion H. Gibbons:
Attorney at Law
1010 State National Building
412 Main Street
Houston, Texas, 77002

Dear Mr. Gibbons:

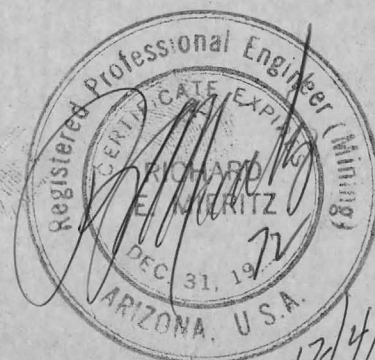
My Junly 20th Invoice to you indicated a balance owing of \$93.12 after the required charges and credits for your check #1350. Not having received payment by August 12, 1972, I wrote you concerning this balance, however, to this date, neither a reply to my letter has been received nor has a check for the balance owing been received.

The month of August being an excellent month for vacations, it is assumed that you chose this month for your vacation, however, this being September 9th, I should have received some notice of your intention--a reply to my letter or a check for the balance.

I would greatly appreciate your check for the \$93.12 by return mail. This is now approximately six weeks old.

Sincerely yours,

R. L. Meritz,
Mining Consultant.



Gibbons - Mieritz After Gibbons Answer - ~~ON~~ ~~THE~~ ~~OBJECTION~~
Your Honor: Then THIS or CASE if not permitted to ask.

Before answering complaint wish to ask Court's permission to question
X Plaintiff:

~~the~~ grounds: - To indicate to the Court that X Plaintiff KNOWINGLY,
Willfully and SPECIFICALLY deceived X Defendant as regards the true
interest and purpose of his examination and as one being totally different
than his interest of material to supply Sprackles Sugar.

Questions:

- ① At time of visit (July 15) did you own property
- ② Do you know Raleigh Johnson, Attorney, Holbrook, Ariz. - St. Paul Ferrin, Attorney
Phx.
- ③ Are you related to Johnson in anyway, bloodwise, marriage
- ④ ~~Is~~ Mr. Johnson ~~give you my report~~ part of the group who owns the property.
- ⑤ Did Mr. Johnson give you my report
- ⑥ Did you approach Mr. Johnson about the property Mr. Johnson - you
- ⑦ Did Mr. Johnson ask you to do something about the property - ~~finance~~
sell it - obtain financing
- ⑧ Does DRACO Corp. own the Property
- ⑨ Do you know Leon Adams - Is he part of Draco. President
- ⑩ Did he give you report
- ⑪ Had you been on property before our July 15th visit. with Adams
- ⑫ Was this on or about June 20th this year
- ⑬ Did you have a 90 day option to purchase property from Draco
- ⑭ ~~Did that was~~ purchase price \$100,000. -
- ⑮ Did your option Expire September 20 or about that time
- ⑯ Did you seek a 90 day extension from Mr. Adams. was it received or renewed
- ⑰ ~~Did Mr. Adams give you the report~~
- ⑱ Did you require the 90 day extension because you had a purchase deal
being negotiated with ~~the~~ corporation in Texas.
- ⑲ Was that ~~corporation~~ Lone Star Cement.
a cement manufacturing Corp. Lone Star Cement.

(19C) ~~Didn't~~ July 15 did you ask me who you could sell ~~this~~ ^{this} prop. to,
 (19D) didn't I advise you - Acement Co. Kaiser in Calif.

- (19) Was your selling price to Corp (L.S.C) \$500,000. - ^{Between} \$720,000 ^{Between} \$1,000,000. -
 OR (19A) Would you have received commission for buying prop. for L.S.C.
 (19E) You were acting as Agent for them - ^{Not an ordinary person}
 Mr. Gibbons: Most Murres have the "squak box" for the telephones in their private office - where by 2 or more people can hear the conversation.
 (20) Do you have ONE like this.
 (21) Was there one or more unknown persons in your office the afternoon of July 11 when you made the long distance call to me.
 (21) After I answered and you identified yourself, did you switch your phone from "privacy" to the "squak box".
 (24) Was ~~any~~ ^{any} person ~~present~~ ^{present} in any way associated with, connected with or ~~present~~ ^{present} ~~at~~ ^{at} home near Cement.
 (23) Weren't you in part being guided in your answers and questions ~~by~~ ^{by} me over the phone by one or more persons present in your office at that time
 (25) Weren't some of my answers ^{being} approved ~~by~~ ^{by} a person present other than yourself.
 (25A) And you have ~~the~~ ^{the} samples assayed ^{by} L.S.C.
 (25B) ^{It is} ~~was~~ ^{was} samples tested in any way.
 (26) With the Testimony you have given, isn't it a fact that the true ^{Interest and} purpose for your trip was to get some samples of the material so L.S.C could run some tests - not assays - for cement manufacture. -
 (27) Isn't it a fact you were the "Bird dog" ^{not to reveal} ~~not to reveal~~ L.S.C as such and in a "Spreckels contract". ^{person so as}

Your Honor: Based on the testimony ~~of~~ ^{of} X plaintiff, I move for ~~dismissal~~ ^{dismissal} of ~~complaint~~ ^{complaint} against X Defendant on grounds ^{that} X Plaintiff has cited claims and allegations based on the premise of ^{secretly} seeking one type of material for a specific purpose and at the same time secretly ^{sample} seeking material for another purpose - the ^{same} specific use of the limestone rock ~~which~~ ^{around which} my report centers. (1) Promoting use of the X Defendant to further his cause for personal financial gain. (2) that the X complaint was precipitated as retaliation towards X Defendant as a result of being engaged

by non-renewal of the 90 day option and the filing of X Defendants
small claim of October 2004 and (4) that X Plaintiff has admitted
by his testimony a conspiracy in part to obtain a valuable property
for a ~~meager~~ meager price for a corporation who if dealing for
the property themselves might pay 2 to 6 times the purchase
price he paid for it.

Gibbons - Answers & Pleads Case

Submits report as evidence-

Examine - Examine orig. - OBJECT. - grounds

Case "A" Both copies Xerox

- ③ ~~1~~ - Illegal possession and use since I did not reproduce. not resp for contents
- ④ ~~1~~ - Copies do not have my inked signature as required by ~~the~~ ^{orig.} state
- ① ~~1~~ - Not true, complete ~~copy~~ - Lack info pertinent to case and ^{is property of} altered from orig. + 2
- ② ~~1~~ - ~~Illegal possession and use~~, since report is my property having not been paid for. ^{I didn't give to Gibbons} ~~there with assignment - letter to Johnson, Markertzie~~ ^{Haigler Goldman had permission tense - until told or death.} letter to Mrs Haigler. (all clients warned to get additional copies from me)

Case "B" - Evidence Xerox - Orig (Gibbons copy one of original)

use 1, 2, 3, 4

9. COMPREHENSIVE ORAL EXAMINATION \$50.00

10. PERSONAL AUDIENCE None

RULE III. PROFESSIONAL PRACTICE

The Board pursuant to A.R.S. 32-106 has adopted the following definition of terms used in this Chapter.

The definitions enumerated in this Rule shall have full force and effect upon the professional practice of each registrant of this Board.

The definitions shall be used to determine if a violation exists under A.R.S. 32-128 upon which the Board shall take disciplinary action.

A. A.R.S. 32-101

Architects, Engineers, Landscape Architects and Land Surveyors may engage in architectural, engineering, landscape architectural or land surveying practice insofar as such practice is in accord with the custom and tradition of architecture, engineering, landscape architecture and land surveying.

B. A.R.S. 32-141

1. The term "responsible charge of a registrant" within the section defining "firm or corporate practice" stating that "no firm or corporation shall engage in the practice of architecture, assaying, geology, engineering, landscape architecture, or land surveying unless the work is under the full authority and responsible charge of a registrant, who is also a principal of the firm or officer of the corporation. The name of said registrant shall appear whensoever the firm name is used in the professional practice of the firm or corporation" shall mean that the principal of the firm or officer of the corporation shall reside in Arizona when such firm or corporation maintains an Arizona office or mailing address.
2. The term "the name of said registrant shall appear" within the section defining "firm or corporate practice" stating that "no firm or corporation shall engage in the practice of architecture, assaying, geology, engineering, landscape architecture, or land surveying unless the work is under the full authority and responsible charge of a registrant, who is also a principal of the firm or officer of the corporation. The name of said registrant shall appear whensoever the firm name is used in the professional practice of the firm or corporation" shall mean that the name of said registrant be imprinted on all firm or corporate stationery used in the professional practice of the firm or corporation.

C. A.R.S. 32-146

The term "principal livelihood" as used within the section defining "present landscape architecture requirements" stating that "the Board may certify for registration, any applicant who submits proof acceptable to the Board that the applicant has had at least seven years of practice in landscape architecture, as defined in section 32-101 as a principal livelihood" has reference to an occupation or business on which the applicant chiefly relied dur-

ing that period for a livelihood and that engrossed most of his time and attention during each year.

RULE IV. SEALS AND IDENTIFYING MARKERS FOR REGISTRANTS

1. Description of Seals

Each person registered under this law must secure and use an embossed circular seal, or rubber stamp one and one-half (1½) inches in diameter, consisting of two concentric circles, the inner circle to be one and one-eighth (1-1/8) inches in diameter. The upper portion of the annular space between the two circles shall bear whichever of the following phrases is applicable to the registrant: "Registered Architect," or "Registered Professional Engineer" together with the branch of engineering in which registered, "Registered Geologist," "Registered Landscape Architect," "Registered Land Surveyor," or "Registered Assayer." At the bottom of the annular space between the two circles shall appear the inscription "Arizona, U.S.A." The inner circle shall contain the name of the registrant, his registration number, and the words "Date signed."

2. Use of Seals

An imprint of the registrant's valid seal shall appear on each and every sheet of drawings and on the cover and index page of each set of specifications and/or reports or other professional documents prepared by a registrant or his bona fide employee. Superimposed over the imprint of the seal shall be the original signature of the registrant and the date indicated when the seal imprint was signed.

3. Seals, Securing

The registrant shall order his seal through the office of the Board of Technical Registration by paying the cost of manufacturing said seal, and signing an imprint of the seal and affidavit regarding its use for the records of the Board. Seals secured by registrants under prior rules established by the Board shall remain valid. Engineers registered in more than one branch shall secure and use a seal for each branch of engineering in which registration has been granted.

4. Identifying Markers, Securing

Registered Land Surveyors and registered Professional Engineers, when engaged in land surveying, shall secure at their own expense metal rods, pipes, tags, caps or embossed nails which shall show the registrant's Arizona Registration Number as issued by the State Board of Technical Registration and each registration number shall be prefixed by the letters L.S. or P.E., respectively, as the case may be.

5. Use of Identifying Markers

Registered Land Surveyors and registered Professional Engineers, when engaged in land surveying, shall securely attach one identifying marker to every permanent survey point set during the practice of surveying tracts of land for the determination of their correct locations.

RULE V. CERTIFICATIONS

A certificate of registration of such size and form as the Board may approve shall be given to each registrant. Each registrant shall

GIBBONS vs MIERITZ

Object to report being submitted if not complete.

Possibly move for dismissal-grds, report not complete, lacks total info, Pltf not fully advised of property. Never stated limestone 95% or better. Has not proved allegations.

CROSS-SUIT - aside from being generally absurd, quite juvenile as to intent and purpose, and basically ~~poorly~~ ^{poorly} structured geological-wise, IT has slandered, not only Cross-Deft prof, knowledge, ability and credibility, but also his personal integrity. IT also slanders ~~other~~ ^{other} engineers and geologists who prepare similar ~~REPORTS~~ ^{reports} or other type reports on mineral deposits or oil deposits. in the ~~raw or undeveloped stage.~~

QUALIFICATIONS - Cont. prac. Min-Geol., Explor & Devel mining-petro since '39-33 yrs.

No BROKER, no FINANCER., Earn income by consult since '56. Promotion, Consult, don't mix. Submit resume, letters. State Board of Tech. Reg. Reports written to inform, advise, recommend, present factual & geologic interpretations

REPORTS - Known fact Min & Pet. Engs & Geol continuously write GEOLOGIC reports, *facts, etc.*
Engineering reports, appraisals, evaluations, *Interp.* etc. Such reports will
be read by many persons. Usually written for other professionals to
review, to be informed, to evaluate to their specif., etc.--not for the
average layman. Acceptance of such reports by professionals is universally
accepted. If reports cover RAW, UNEXPLOR'dD, UNDEVEL'D mineral deposits,
the professionals realize this and analyze the information on ~~that~~ basis.
Figures ~~EXAMPLE~~ or numbers contained in reports on RAW deposits are im-
portant only to the extent of how they are reported. EXAMPLE 9.36 is con-
sidered accurate to the next number to the left, --it could be 9.4, 9.3.
a figure of 85 could mean 90 or 80. Similarly, 100,000,000 could mean
90,000,000 or 110,000,000. Analysis of the numbers is the professionals
perrogative, on interpretation. RAW PROSPECT reports are also very in-
terpretive to the professional. ~~THE~~ THE PROMOTOR & NAIVE LAYMAN select
the "GOODIES" and "HIDE" the unwanted as in this case.

SUIT ALEGGES - X-Def't alleged that a certain limestone deposited located in Dragoon Arizona contained limestone on an avergar of 95% or better, ~~NEVERMONEY~~ along with ~~four~~ 5 other klligations, all succeeding allegations dependent on the first allegation.

NEVER MADE SUCH STATEMENT. but above is true--entire hill limestone.

XX
XX
XX
XX

SAID - Limestone, 95% CaCO_3 or better, of light to white character with approximately 1% MgO is available from the property in quantity in excess of 100 million tons. *X Ref stands on statement.*

SAMPLE data substantiates 95% --7 samples avg. 95.397 & 3.35% To the PROFESSIONAL MAN in the mineral business this would indicate to him, a good ~~XXXXX~~ CaCO₃ content, a low SiO₂ content and an extremely large volume to support a 20 to 50 year cement plant operation and that is what is required when your talking \$20-30 million for a plant. *Samples do not prove or disprove contents. - Do confirm material not adaptable to Spreckels.*

ENTIRE THEME of report is use of the material for a cement plant, nothing else. I can not change mother nature around to make her fit the situation I want. She can be checked in such directions--as was the case with X PLTF trying to adapt the material to meet Spreckels specifications.

5 SAMPLES took approximately 3hrs ~~XXXXXX~~ each to take. Broke off 12 to 18 inch pieces from ledges, got material away from surface influence of dilution of CaCO_3 and concentration of SiO_2 . MOTHER NATURE DOES this. REFER TO ~~XXXX~~ LINDGREN. CaCO dissolved, SiO untouched, PROCESS can increase SiO 2 to 3 times, in rock itself. EXTRANEIOUS SiO is about 2% over all.

X PLTF SAMPLES- taken across beds as chip for lengths of 50 to 100 ft. If SiO 4%, would have recommended further sampling along bed getting below surface influence.

ALLEGATION II - All my reports and reports of thousands of Engineers, Geologists read by many. No false representation. applys.

ALLEGATION III - Report written to inform others of limestone property as whole. X DEF. has no reason to write report merely to "induce others ~~HE~~ to invest and spend money. Have no interest, nothing to gain. *Complete Report 1-2-F- one copy in file in Dept of Mineral Resources - Everybody can review.*

ALLEGATION IV - XDef. stands on his statement, 95% CaCO_3 . Neither proved or disproved until deposit explored by drilling and complete sampling program of cores or sludge from drill holes spaced at 200 to 300 foot intervals. Person in an ordinary capacity ~~XXXXXXXXXXXXXX~~ and quite naive about mineral deposits has no business or basis for making ~~XXXX~~ a decision in favor of spending money to ascertain the amount and purity of the limestone deposit because this requires and investment of \$200,000 plus, for such proving.

ALLEGATION V X PLTF traveled to Dragoon at his own suggestion as pointed out in Case 5173. not because I asked him to. He had been on property once before--showed me how to get into the property.

ALLEGATION VI X Def expressed no doubt as to amount of limestone or the 95% CaCO_3 content. X Def. did reiterate that it might be had to meet the specifications of Sprackels. --The true purpose of X PLTF visit at his desire. The suggested --not insisted--sampling would indicate the possible existance of a thin bed - 50 ft or so - that might have SiO_2 around 2% or less. This is the ^{most} critical specification Spreckels has, besides decrytation. Emphatically did not insist that sampling of the stratas ~~WOULD~~ reveal 95% CaCO_3 . Sampling would show the distribution of CaCO and SiO , CONSEQUENTLY ~~XXXX~~ representations are not false nor maliciously given for the purpose of inducing X Pltf to invest.

For every client that goes into the field with me, there are 100 that don't. *My reports are accepted - whether good or bad.*

requests

YOUR HONOR ~~XXX~~ I DEF. ~~XXXX~~ permission to question X Pltf. REASON: to further prove to the Court that I do not make "false statements" knowingly and maliciously.

Are you owner of property? who gave you report?
LEON ADAMS WHAT RELATIONSHIP DOES HE HAVE to property?
Sole owner? Who else? Did you have an option to sell the property?
To buy? When did it expire? Why did you obtain option? Make fast buck?
Does name Raleigh W. Johnson mean anything to you?
What relation does he have to Draco Corp.
What is your relation to Johnson. Submit letter to Johnson.

ask X Def. where to sell Prop.

Questions - if not permitted to ask after pleading case,

Reports

See Page III

REPORTS TO CONFIRM WORK - Limestone Recon. Haigler turndown.
Cutter quarries, 2 reports turned down for lime product.
unless needed as supplement.
2nd report for owner. good for Spreckels if no
decrept. advised drilling. Project could not
make money. Transportation too high.
Green Lode, same Mescal as Cutter, high silica, high
MgO
Carlotta, Geol. Rpt for client, Concl'd 1.5 mil tons
2% or better ore on Kelly fault.
2 years to sell.
Carlotta Ore reserve, Owens. sold his interest \$175,000
Carlotta Ore Reserve, Homestake, Kelly fault reserve,
1,574,000 tons at 2.39% cu.

CONTINUE WITH QUESTIONING OF GIBBONS.

Your Honor:

Wish to advise Court I

must act as own Counsel
in both cases - (Since out of State)
Resident

(1) To File - sought advise by
let - Small Claims

(2) Sug. out of State Service or
Attorney in Houston to file -
write L. R. Service.

(3) Wrote L. R. S. ~~appears~~ Legal Prof up
since as of ^{cooperative}
Dec 12 - left Phx. No Answer

(4) ~~and then exit court~~ Thus
creating forced hardship on
Plaintiff.

7115-N572.
924-9477

REPLY TO:
11031 WHITE MOUNTAIN RD.
SUN CITY, ARIZONA 85351
TELEPHONE (602) 977-1711

Richard E. Mieritz

MINING CONSULTANT

ARIZONA REGISTERED
MINING ENGINEER AND GEOLOGIST

GEOLOGY
EXPLORATION
EVALUATION
FEASIBILITY
OPERATION

September 11, 1972

Clerk of Small Claims Court
City of Houston,
City Building
Houston, Texas, 77001

Dear Sir:

I have a small claim of \$93.12 against a client residing in Houston, Texas.

It is not known if your City has a Small Claims Court, but I am assuming that it does, therefor, I would like to request that the necessary forms be sent to me at the above address which I can fill out and submit my claim to your office.

I had completed a similar claim in the City of Los Angeles and I presume that the procedure would be quite similar.

If per chance this Small Claims Court is a County function rather than a City function, could you please forward same to the proper Office.

Thanking you in advance, I remain,

R. W. MILLARD
JUSTICE OF THE PEACE
Precinct Number One
HOUSTON 2, TEXAS

Very truly yours,

R. E. Mieritz
R. E. Mieritz,
Mining Consultant.

9-13-72

We do have a Small Claims Court here, but the case has to be filed in the Justice Precinct in which the party lives that is being sued. You can file a Civil Suit with Out of State Service, but you will have to prepare the Petition and file it where you live, and mail the Citation to the Sheriff of Harris Co. Texas, to be served, or get Some Attorney here to file it for you.

You might write to the Lawyer Referral Service, Bankers Mortgage Bldg., 708 Main St., Houston, Texas. 77002, and they would perhaps refer you to an Attorney that would handle it for you.

And 9-15/72

Richard W. Millard

September 11, 1972

Clerk of Small Claims Court
City of Houston,
City Building
Houston, Texas, 77001

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Thanking you in advance, I remain,

Very truly yours,

R. E. Mieritz,
Mining Consultant.

Monday - } set for having.
Thurs. }

call
Tues

Saved - Monday -
no. answer

Gibbons
5534 Buchnut

September 22, 1972

Lawyer Referral Service,
Bankers Mortgage Bldg.
708 Main Street
Houston, Texas, 77002

Gentlemen:

I had written the Clerk of Small claims Court in Houston seeking advise on how to proceed with a Small Claim and same was referred to the Justice of Peace Precinct Number One. His answer leaves me slightly confused as I followed up on his instructions on how to proceed here in Maricopa County and I run into blind alleys--even with the Lawyer Referral Service here. He did however provide your address.

My problem is: I have a small claim(\$93.12) against a client for services and expenses. Repeated written requests for payment have resulted in non-payment and non-reply to the letters. The date of the invoice is July 20, 1972.

The client resides in the 5500 block (even number) on Beechnut in the Belaire area. The residence I assume is within the City Limits of Houston.

The J. P. advised I should have some attorney in Houston to prepare a petition and file it in the Precinct where the defendant lives.

What would be the charge for this service (preparation and filing) and what would be the charge to have the Sheriff's department serve the notice to the defendant.

Thanking you in advance,

Very truly yours,

R. E. Mieritz



JUDGE HUGO TOUCHY
JUSTICE OF THE PEACE, PCT. 1, POS. 2

ROOM 303
CRIMINAL COURTS BLDG.
HARRIS COUNTY, TEXAS

713
OFFICE 228-8311
EXT. 181



HUGO TOUCHY

JUSTICE OF THE PEACE

PRECINCT NO. 1

HOUSTON, TEXAS 77002



November 3, 1972

Mr. Richard E. Mieritz
11031 White Mountain Rd.
Sun City, Arizona 85351

Re: Case No. 5173
Richard E. Mieritz
vs.
Marion H. Gibbons

Dear Mr. Mieritz:

Marion H. Gibbons has been served in the above case and has until 5:00 P.M. on November 13, 1972 to file an answer. Please call us on November 14, 1972.

Very truly yours,

Linda M. Gatz

*Call - Tans (11/14/72) @ 7:35 AM - Phx Time
Advised re filed counter suit - sending to Sheriff
called civil Dept - Sheriff's office - 11/16/72 - talked to
Lt Allender @ 9:55 AM - no papers. (262-7139)
called civil Dept - Sheriff's office 11/20/72, 3:10 P.M.
talked to - Papers in same day talked to Lt Allender - should be
served next couple of days.
Served November 22, 1972 @ 2:05 by #138*

HARRIS COUNTY
FEE OFFICERS' OFFICIAL RECEIPT



RECEIPT No. 00612

FINE	\$	
TRIAL FEE		
DISTRICT ATTORNEY		
SHERIFF		
CONSTABLE		
JUSTICE OF PEACE	3	00
DISTRICT CLERK		
COUNTY CLERK		
COUNTY JUDGE		
JURY FEE		
STENOGRAPHER'S FEE		
CERTIFIED COPIES		
DEPOSITS	2	00
TRUST FUND		
MISCELLANEOUS		
LAW LIBRARY FEE		
TOTAL	\$	5 00

STATE OF TEXAS }
COUNTY OF HARRIS }

RECEIVED OF

Richard A. Minerty 10-30-1972
Five and no/100 \$ 5.00

DOLLARS

FOR Costs & Costs Deposit CASE 5173

STYLE OF CASE: STATE OF TEXAS, OR.

Richard A. Minerty
VERSUS
Marion F. Sibbald
JP

TITLE

Charles A. Lantry
LB

OFFICER

DEPUTY

INSTRUCTIONS: THIS FORM IS TO BE ISSUED IN DUPLICATE. THE ORIGINAL TO BE DETACHED AND GIVEN TO THE PAYEE AND THE COPY TO BE RETAINED IN THE BOOK FOR THE USE OF THE COUNTY AUDITOR. NO ERASURES ARE TO BE MADE ON THIS FORM. IF AN ERROR IS MADE, THE RECEIPT IS TO BE VOIDED AND THE ORIGINAL LEFT IN THE BOOK.

228-8311 EXT. 181

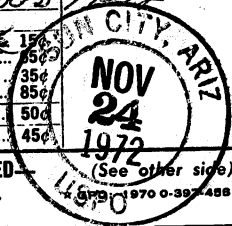
No. 264442

RECEIPT FOR CERTIFIED MAIL—30¢ (plus postage)

SENT TO <i>Judge Hays Touchy Justice of</i>		POSTMARK OR DATE
STREET AND NO. <i>the Peace Pct 1 Box 2 P.O. Box</i>		
P.O., STATE AND ZIP CODE <i>Criminal Courts Bldg Houston Texas 77002</i>		
OPTIONAL SERVICES FOR ADDITIONAL FEES		
RETURN RECEIPT SERVICES	1. Shows to whom and date delivered 15¢ 15¢ With delivery to addressee only 35¢	
	2. Shows to whom, date and where delivered 35¢ With delivery to addressee only 85¢	
	DELIVER TO ADDRESSEE ONLY 50¢	
	SPECIAL DELIVERY (2 pounds or less) 45¢	

POD Form 3800
July 1969

**NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL**



**STICK POSTAGE STAMPS TO ARTICLE TO COVER POSTAGE (first class or airmail),
CERTIFIED MAIL FEE, AND CHARGES FOR ANY SELECTED OPTIONAL SERVICES. (see front)**

1. If you want this receipt postmarked, stick the gummed stub on the left portion of the address side of the article, **leaving the receipt attached**, and present the article at a post office service window or hand it to your rural carrier. (no extra charge)
2. If you do not want this receipt postmarked, stick the gummed stub on the left portion of the address side of the article, detach and retain the receipt, and mail the article.
3. If you want a return receipt, write the certified-mail number and your name and address on a return receipt card, Form 3811, and attach it to the back of the article by means of the gummed ends. Endorse front of article **RETURN RECEIPT REQUESTED**.
4. If you want the article delivered only to the addressee, endorse it on the front **DELIVER TO ADDRESSEE ONLY**. Place the same endorsement in line 2 of the return receipt card if that service is requested.
5. ~~Save~~ this receipt and present it if you make inquiry.

November 24, 1972

CERTIFIED MAIL

Judge Hugo Touchy
Justice of the Peace, Pct. 1, Pos. 2
Room 303
Criminal Courts Bldg.
Houston, Harris County, Texas, 77002

Re: Case No. 182,384
Mieritz vs Gibbons
Gibbons vs Mieritz.

Your Honor:

Complying with instructions contained in a November 3, 1972 letter received November 7 from your office, I telephoned your office on November 14 at 7:35 AM (Phoenix time) to learn the status of Case #5173.

Your secretary answered my call whereby I identified myself and case number. After a short pause a male voice answered and advised "Mr. Gibbons has answered by countersuit and we can try both cases on the same day", to which I replied "fine", I'll await the serving". He then advised I should check with my Sheriffs office --indicating I would.

I contacted the Sheriffs office, November 16 at 9:55AM, being advised that no papers had been received. The same office was contacted on November 20 at 3:10PM and was advised the "papers" arrived the afternoon of November 16 and that I would be served in a couple of days. I was served with cross-suit #182,384 on November 22, 1972 at 2:05PM by Deputy Sheriff #138.

According to instructions of the citation--ten days after the serving (November 22, 1972) and the following Monday -- would be December 4, 1972, the date of my appearance in Justice's Court, Hugo A. Touchy, is required.

If my calculation is not the correct date, please advise me by a "COLLECT TELEPHONE CALL" on or before November 29, 1972.

Thanking you, I remain,

Very truly yours,

R. E. Mieritz.

REPLY TO:
11031 WHITE MOUNTAIN RD.
SUN CITY, ARIZONA 85351
TELEPHONE (602) 977-1711

Richard E. Mieritz

MINING CONSULTANT

ARIZONA REGISTERED
MINING ENGINEER AND GEOLOGIST

GEOLOGY
EXPLORATION
EVALUATION
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Clerk of Small Claims Court
City of Houston,
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Dear Sir:

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Mining Consultant.

9-13-72

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Richard W. Millard

Lilbrow
5534 Beechnut

September 22, 1972

**Lawyer Referral Service,
Bankers Mortgage Bldg.
708 Main Street
Houston, Texas, 77002**

Gentlemen:

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Very truly yours,

R. E. Mieritz



ARIZONA REG'D MINING ENGINEER
1338 WEST THOMAS ROAD
PHOENIX, ARIZONA 85013
TELEPHONE 279-7354

GEOLOGY
EXPLORATION
EVALUATION
FEASIBILITY
OPERATION

Richard E. Mieritz
MINING CONSULTANT

REPLY TO:

5822 NORTH 22ND PLACE
PHOENIX, ARIZONA 85016
TELEPHONE 955-7353

September 15, 1967
Ankara, Turkiye.

Mr. Raleigh W. Johnson
Axline and Johnson
Holbrook, Arizona, 86025
U. S. A.

Dear Mr. Johnson:

My wife has advised me of your letter in regard to the Haigler Limestone deposit and your possession of my original report on this property.

I am sorry the report has not contained its completeness over the many years but this does happen occasionally when it passes through many hands.

I have instructed Mrs. Mieritz to send you a print each of the Flat showing the various cement plants as well as the Composit drill logs of holes 1 through 5. It may be that she will not be able to find the original tracings of the Flat and Drill Logs in my map file as I have many, however, in the event she is not successful in that route, she has been instructed to remove the necessary prints contained in my copy of the report--old and perhaps faded, and forward to you.

You have inquired about additional information regarding this deposit of limestone and clay. Unfortunately I can not remember all details on the many properties I have examined and prepared reports on and without my files at hand, it would be difficult to provide you a positive yes I have, or no I haven't. I fear this question would require an answer after my return to the States sometime the middle of November of this year. My first reactionary answer would be, no, I have no further information.

Mr. Haigler ofcourse passed on several years ago while I was in Australia and have not been in contact with Mrs. Haigler for a long time so I am not informed as to whether she is alive or has also passed on with the result that the property has been inherited or passed on to the "partners". In any event, through Mr. A. L. Goodman, attorney in Phoenix, I have an assignment on this property which states that at the time of a sale of this property, the sum of \$2,200.00 shall be paid me in settlement and monies due for the preparation of the report.

R. W. Johnson

Sept. 15, 1967

- 2 -

My report indicates the type, quality and quantity of raw material available and anybody interested in establishing a cement plant in Arizona would do well to acquire the property.

My interest in this property is ofcourse a sale so I can receive payment for "services rendered". Would therefor appreciate your written advise on this matter if you are successful in closing a deal. I am gone much of the time so if you would write to my home address in Phoenix--also my office, same would be forwarded to me, wherever I may be.

I have been in Turkiye since the middle of May. These assignments have durations from three to twelve months, this case, six months.

Upon my return to the states I shall review this particular file in order to more positively advise if any additional information is available.

Very truly yours,

R. E. Mieritz,
Consulting Mining Engineer.

5618 North 7th St.

AM. 4-0621

March 7th, 1961

Mr. Arthur L. Goodman, Trustee
Haigler Trust
221 E. Culver St.
Phoenix, Arizona

Dear Mr. Goodman:

Enclosed herewith is my invoice covering the work of surveying the Independence Claims, Yavapai Co., Arizona.

What remains to be completed on this work is to prepare the assignment of 10% ownership of the claims to me, Richard E. Mieritz. When this has been completed, the invoice will be paid in full.

As a matter of record, Mr. Haigler still owes me the sum of \$301.01 for work completed on the Dragoon Limestone which was invoiced on September 19, 1957. You, as well as Mr. Haigler has indicated that this amount will be paid as well as a bonus of \$2000.00 when the property is sold. I am correct in this understanding, is that not right? The \$2000.00 bonus actually is part of the fee due for the preparation of the Geologic Report on the Haigler Limestone and Clay deposits dated January 23, 1961. To date I have received two checks from Mr. Haigler, one for \$100.00 to cover expenses for the examination of the Limestone and one for \$45.00 for Assays of two samples of Limestone core from the drill holes.

Sincerely,

R. E. Mieritz

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3 ASSIGNMENT

4 FOR VALUE RECEIVED I hereby sell, transfer and assign
5 and set over to R. E. Meiritz, residing at 5618 North 47th
6 Street, Phoenix, Arizona, Two Thousand Dollars (\$2000), to be paid
7 him out of the proceeds of the sale of that certain Clay and Lime-
8 Stone deposit located by Placer claims in the Gunnison Hills and
9 Cochise Mining Districts, in Cochise County, Arizona, and known
10 as the "Haigler Limestone Claims" and being approximately four
11 miles East of the town of Dragoon, Arizona.

12 IN WITNESS WHEREOF I have hereto set my hand and seal this
13 the 10, day of March, 1961.

14 Arthur L. Goodman
15 Arthur L. Goodman, Trustee. *Initial*

16 STATE OF ARIZONA)
17) SS.
18 COUNTY OF MARICOPA)

19 On this the 3 day of April, 1961,
20 personally appeared Arthur L. Goodman, Trustee of an express Trust,
21 known to me to be the person whose name is subscribed to the
22 above instrument and acknowledged that he executed the same.

23 WITNESS MY HAND AND SEAL OF OFFICE this the 3 day of April,
24 1961.

25 My commission expires

26 April 24, 1964

Ab Haigler
Notary Public

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STATE OF ARIZONA
COUNTY OF COCHISE
Notary Public and Official Seal
JAMES O. DIXON, County Recorder
Deputy

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

Phoenix, Arizona

Fee \$ 8.75

Date APR 9 70

Page 24

Richard E. Meiritz
5822 N. 22nd St
Phoenix, Arizona 85016

APR 9 70 - 8 30 AM
5886

May 20, 1970

Mr. Albert H. Mackenzie
MACKENZIE, BOLZE & HIRSCH
Suite 711 Ariz. Title Bldg.
111 West Monroe
Phoenix, Arizona, 85003

Re: Haigler Suit

Dear Albert:

Herewith my check #196 to your firms order in the amount
of \$25.00 which you requested during our telephone con-
versation of the Haigler suit on Tuesday, May 19, 1970.

I have marked the check--Haigler Suit.

Sincerely yours,

R. E. Mieritz,
Mining Consultant.

cc
8/6/70
a Mr. ~~Bill~~ Jackson
called about him
active or not.

MACKENZIE, BOLZE & HIRSCH

ATTORNEYS AT LAW

ALBERT H. MACKENZIE
DUANE W. BOLZE
BURTON G. HIRSCH

SUITE 711 ARIZONA TITLE BUILDING
111 WEST MONROE
PHOENIX, ARIZONA 85003

TELEPHONE 254-5044

10 April, 1970

IN REPLY REFER TO:

Mr. Richard E. Mieritz
Mining Consultant
5822 North 22nd Place
Phoenix, Arizona 85016

Re: Haigler Limestone Property

Dear Dick:

Enclosed is a copy of the letter which we
mailed on your behalf to Mrs. Violet M. Haigler,
with a copy going to the attorney, Paul Ferrin.

Sincerely yours,

Albert H. Mackenzie
Albert H. Mackenzie

/mm
enclosure

Apd 4/13/70

MACKENZIE, BOLZE & HIRSCH
ATTORNEYS AT LAW

ALBERT H. MACKENZIE
DUANE W. BOLZE
BURTON G. HIRSCH

SUITE 711 ARIZONA TITLE BUILDING
111 WEST MONROE
PHOENIX, ARIZONA 85003

TELEPHONE 254-5044

10 April, 1970

IN REPLY REFER TO:

CERTIFIED MAIL

Mrs. Violet M. Haigler
1211 North First Street
Phoenix, Arizona

Dear Mrs. Haigler:

As you are no doubt aware, during Chet's lifetime, Mr. Richard E. Mieritz, a mining engineer of this City made several examinations and also prepared "An Informative Report on the Haigler Limestone Deposit in the Dragoon Area, Cochise County, Arizona" dated 23 January, 1961. This was a nine (9) page analysis of the property. Mr. Mieritz also testified in the trial of this case against the clients of Richard Harless, for which he was not fully paid. I was his, and the Kelton's attorney in that matter.

For these reasons, among others, Mr. Haigler caused an assignment to be made through Arthur L. Goodman (who was then acting as his Trustee) of \$2000.00 to Mr. Mieritz for the latter's accumulated services.

A copy of that "Assignment" is herewith enclosed, bearing the date of 10 March, 1961 and was notarized, as you will observe, by "A.C. Haigler" on the 3rd of April, 1961, so that his confirmation of the indebtedness and promise to pay "out of the proceeds of the sale ..." is apparent.

Thereafter, and by an amended "Agreement" dated the 30th of September, 1968, made between you and the DRACO Corporation, it is shown that you quit claimed the property in question to DRACO for an initial payment of \$5,000.00 cash together with a further covenant to receive ten (10%) per cent of the proceeds of any sale later made by DRACO.

C
O
P
Y

Assignment
Recorded April
9, 1970 in Pkt. 633
GA. 24, #5386

Mrs. Violet M. Haigler
1211 North First Street

Page 2

The receipt by you of the \$5,000.00 from DRACO in 1968, occasioned the necessity to pay Mr. Mieritz the \$2,000.00 debt owing to him. Incidentally, he learned of this sale and the \$5,000.00 payment only within the last couple of days.

By reason of the foregoing we must ask that you please mail your check, payable to Richard E. Mieritz, in the sum of \$2,000.00 to this office and we will transmit it to him. We will also see to it that the "Assignment" in question is marked "Paid in full" and delivered to you.

A copy of this letter is being sent to your attorney, Mr. S. Paul Ferrin, so that he may advise you in this matter.

Sincerely yours,


Albert H. Mackenzie

AHM:am
Enclosure

cc: Mr. S. Paul Ferrin
1301 United Bank Bldg.
Phoenix, Arizona 85012

April 8, 1970

County Records Office,
Cochise County,
Bisbee, Arizona.

Dear Sir:

Please record the enclosed ASSIGNMENT dated April 3, 1961 between Arthur L. Goodman and the writer with regards the Haigler Limestone located in the Gunnison Hills and Cochise Mining District.

I enclosed my check to your order but with the amount as a blank as I do not know what the recording fee is. Check #162 is enclosed.

Please return the original Assignment to me at the above shown address.

Very truly yours,

R. E. Mieritz.

Encl: Original Assignment
United Bank of Ariz. check #162.

The advised to do this
RM

wwwwwwwww

www

5618 No. 7th St.

Am. 4-0621

January 3, 1961

To:
Haigler Trust
% Mr. Arthur L. Goodman
221 E. Culver St.
Phoenix, Arizona

INVOICE

For Services Rendered Professionally
in connection with a field survey
check of the Golden Eagle Claims,
Oracle Mining District, Pinal Co.,
Arizona and preparation of a
claim Map of same.

Fee- - - - - \$60.00

Total due - - - - - \$60.00

Remit to Richard E. Mieritz,
5618 No. 7th Street
Phoenix, Arizona

C
O
P
Y

5618 North 7th St.

Am. 4-0621

March 7, 1961

To:
Haigler Trust
% Mr. Arthur L. Goodman, Trustee
221 E. Culver St.
Phoenix, Arizona

*Replaces mine originally
of Dec. 16, 1960*

INVOICE

For Professional Services Rendered in
connection with the Survey of the In-
dependence Group of claims, Sec 36 of
T. 8 N., R. 3 W. and Sec. 31, T. 8 N.
R. 2 W., Yavapai County, Arizona.
A. Total of 21 claims.

5 days-at \$60.00/day

\$ 300.00

A 10 % interest in the entire property
of 21 claims to be deeded to Richard
E. Mieritz.

when property sold - [initials]

Total cash Due

\$ 300.00

*P.D. -
Date: 12, 1960
50.00*

REGISTERED NO. 203230

Value \$ Min	Special Delivery \$
Reg. Fee \$.80	Return Receipt \$.15
Handling Charge \$	Restricted Delivery \$
Postage \$.06	<input type="checkbox"/> AIRMAIL
POSTMASTER (By) R. Rudd	

POSTMARK OF



MAILING OFFICE

FROM

TO

R. D. Merritt
5822 W. 22nd Pl
Phoenix, Az. 85016
Cochise County Recorder's Office
Cochise County Bldg.
Bisbee, Az. 85603

POD Form 3806, Dec. 1965

RECEIPT FOR REGISTERED MAIL

SAVE THIS RECEIPT

COVERAGE—Domestic insurance for registered mail is limited to (1) the value of the article at the time of mailing or the cost of replacement if lost or totally damaged, or (2) the cost of repairs. Coverage may not exceed the limit fixed for the registry fee paid. Consult postmaster for additional details of insurance limits and coverage for domestic registered mail.

FILING CLAIM—Claim must be filed within 1 year from the date of mailing. Present this receipt and submit evidence of value, cost of repairs, or cost of duplication.

FOREIGN COUNTRIES—Consult postmaster as to insurance coverage on registered articles addressed to foreign countries.

POST OFFICE DEPARTMENT
OFFICIAL BUSINESS



PENALTY FOR PRIVATE USE TO AVOID
PAYMENT OF POSTAGE, \$300

POSTMARK OF DELIVERING OFFICE

Print your name and address below. If you want to restrict delivery, or to have the address of delivery shown on this receipt, check block(s) on other side. Moisten gummed ends and attach this card to back of article.

RETURN
TO

R. E. MIERITZ
5822 No. 22nd Pl.
Phoenix, Ariz, 85016

Recorded - Apr 9-70
Sub 633-1924 #5882

PLEASE FURNISH SERVICE(S) INDICATED BY CHECKED BLOCK(S).
REQUIRED FEE(S) PAID.

☐ Show to whom, date and address
where delivered

☐ Deliver ONLY
to addressee

RECEIPT

Received the numbered article described below.

REGISTERED NO.

203230

CERTIFIED NO.

INSURED NO.

DATE DELIVERED

APR 9 - 1970

SIGNATURE OR NAME OF ADDRESSEE (*Must always be filled in*)

1

County Recorder

2

SIGNATURE OF ADDRESSEE'S AGENT, IF ANY

A W White

SHOW WHERE DELIVERED (*only if requested*)

PUT IT IN WRITING

MEMORANDUM

1965

Dec. 9

From Q. Brian - P.F. Pete

To 964-4281

Home

946-7807

FD. 951

Suffolk

3206 N.W. Pl.

85252

D. Adams

FD.

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Safford

D.

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Adams

setting off

Knights - Pan Amer.

Acknowledge →

Harold Frank
and → Garden

Bally - Bally

Harold Frank
London Jones

P. F. Fete O'Brien - home 946-7807

ARIZONA REG'D MINING ENGINEER
1338 WEST THOMAS ROAD
PHOENIX, ARIZONA 85013
TELEPHONE 279-7354

Richard E. Mieritz
MINING CONSULTANT

GEOLOGY
EXPLORATION
EVALUATION
FEASIBILITY
OPERATION

REPLY TO:
5822 NORTH 22ND PLACE
PHOENIX, ARIZONA 85016
TELEPHONE 955-7353

September 15, 1967
Ankara, Turkiye.

Mr. Raleigh W. Johnson
Axline and Johnson
Holbrook, Arizona, 86025
U. S. A.

Dear Mr. Johnson:

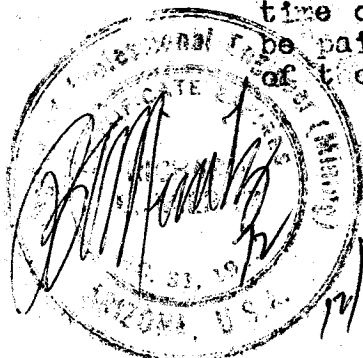
My wife has advised me of your letter in regard to the Haigler Limestone deposit and your possession of my original report on this property.

I am sorry the report has not contained its completeness over the many years but this does happen occasionally when it passes through many hands.

I have instructed Mrs. Mieritz to send you a print each of the Plat showing the various cement plants as well as the Composit drill logs of holes 1 through 5. It may be that she will not be able to find the original tracings of the Plat and Drill Logs in my map file as I have many, however, in the event she is not successful in that route, she has been instructed to remove the necessary prints contained in my copy of the report--old and perhaps faded, and forward to you.

You have inquired about additional information regarding this deposit of limestone and clay. Unfortunately I can not remember all details on the many properties I have examined and prepared reports on and without my files at hand, it would be difficult to provide you a positive yes I have, or no I haven't. I fear this question would require an answer after my return to the States sometime the middle of November of this year. My first reactionary answer would be, no, I have no further information.

Mr. Haigler ofcourse passed on several years ago while I was in Australia and have not been in contact with Mrs. Haigler for a long time so I am not informed as to whether she is alive or has also passed on with the result that the property has been inherited or passed on to the "partners". In any event, through Mr. A. L. Goodman, attorney in Phoenix, I have an assignment on this property which states that at the time of a sale of this property, the sum of \$2,200.00 shall be paid me in settlement and monies due for the preparation of the report.



Sept. 15, 1967

- 2 -

My report indicates the type, quality and quantity of raw material available and anybody interested in establishing a cement plant in Arizona would do well to acquire the property.

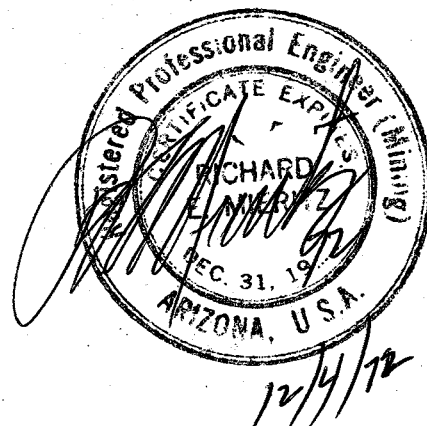
My interest in this property is ofcourse a sale so I can receive payment for "services rendered". Would therefor appreciate your written advise on this matter if you are successful in closing a deal. I am gone much of the time so if you would write to my home address in Phoenix--also my office, same would be forwarded to me, wherever I may be.

I have been in Turkiye since the middle of May. These assignments have durations from three to twelve months, this case, six months.

Upon my return to the states I shall review this particular file in order to more positively advise if any additional information is available.

Very truly yours,

R. E. Mieritz,
Consulting Mining Engineer.



5618 North 7th St.

AM. 4-0621

March 7th, 1961

Mr. Arthur L. Goodman, Trustee
Haigler Trust
221 E. Culver St.
Phoenix, Arizona

Dear Mr. Goodman:

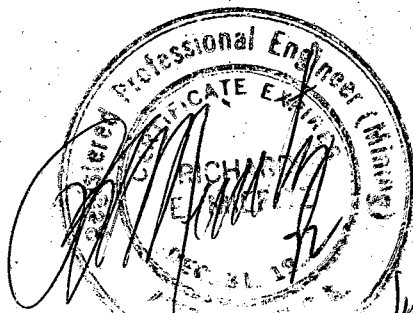
Enclosed herewith is my invoice covering the work of surveying the Independence Claims, Yavapai Co., Arizona.

What remains to be completed on this work is to prepare the assignment of 10% ownership of the claims to me, Richard E. Mieritz. When this has been completed, the invoice will be paid in full.

As a matter of record, Mr. Haigler still owes me the sum of \$301.01 for work completed on the Dragoon Limestone which was invoiced on September 19, 1957. You, as well as Mr. Haigler has indicated that this amount will be paid as well as a bonus of \$2000.00 when the property is sold. I am correct in this understanding, is that not right? The \$2000.00 bonus actually is part of the fee due for the preparation of the Geologic Report on the Haigler Limestone and Clay deposits dated January 23, 1961. To date I have received two checks from Mr. Haigler, one for \$100.00 to cover expenses for the examination of the Limestone and one for \$45.00 for Assays of two samples of Limestone core from the drill holes.

Sincerely,

R. E. Mieritz



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2
3 A S S I G N M E N T



4 FOR VALUE RECEIVED I hereby sell, transfer and assign
5 and set over to R. E. Meiritz, residing at 5618 North 27th
6 Street, Phoenix, Arizona, Two Thousand Dollars (\$2000), to be paid
7 him out of the proceeds of the sale of that certain Clay and Lime-
8 Stone deposit located by Placer claims in the Gunnison Hills and
9 Cochise Mining Districts, in Cochise County, Arizona, and known
10 as the "Haigler Limestone Claims" and being approximately four
11 miles East of the town of Dragoon, Arizona.

12 IN WITNESS WHEREOF I have hereto set my hand and seal this
13 the 10, day of March, 1961.

14 Arthur L. Goodman
15 Arthur L. Goodman, Trustee. *Tru. tel*

16 STATE OF ARIZONA)
17) SS.
18 COUNTY OF MARICOPA)

19 On this the 3 day of April, 1961,
20 personally appeared Arthur L. Goodman, Trustee of an express Trust,
21 known to me to be the person whose name is subscribed to the
22 above instrument and acknowledged that he executed the same.

23 WITNESS MY HAND AND SEAL OF OFFICE this the 3 day of April,
24 1961.

25 My commission expires
26 April 24, 1964

A. G. Haggler
Notary Public

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STATE OF ARIZONA
COUNTY OF COCHISE

Witness my hand and Official Seal

James D. Dixon, County Recorder

Deputy

Notary Public

Commission Expires

April 24, 1964

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

received of

Richard E. Meiritz

5822 91 22 no st 4 5516

Phoenix, Arizona

Date

APR 9 70 - 8 50 AM

Page 21 to 5886

May 20, 1970

Mr. Albert H. Mackenzie
MACKENZIE, BOLZE & HIRSCH
Suite 711 Ariz. Title Bldg.
111 West Monroe
Phoenix, Arizona, 85003

Re: Haigler Suit

Dear Albert:

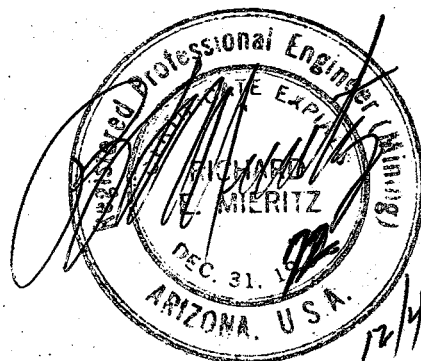
Herewith my check #196 to your firms order in the amount
of \$25.00 which you requested during our telephone con-
versation of the Haigler suit on Tuesday, May 19, 1970.

I have marked the check--Haigler Suit.

Sincerely yours,

R. E. Mieritz,
Mining Consultant.

cc
8/6/70
a Mr. ~~Jackman~~
called - about him
- active or not.



MACKENZIE, BOLZE & HIRSCH
ATTORNEYS AT LAW
SUITE 711 ARIZONA TITLE BUILDING
111 WEST MONROE
PHOENIX, ARIZONA 85003

ALBERT H. MACKENZIE
DUANE W. BOLZE
BURTON G. HIRSCH

TELEPHONE 254-5044

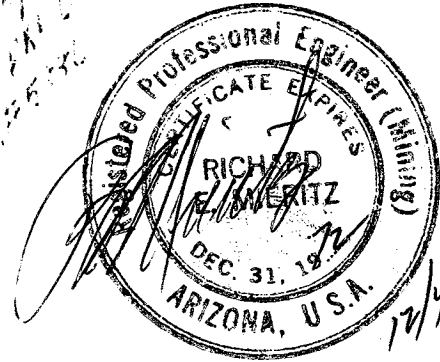
10 April, 1970

IN REPLY REFER TO:

CERTIFIED MAIL

Mrs. Violet M. Haigler
1211 North First Street
Phoenix, Arizona

Dear Mrs. Haigler:



C
O
P
Y

As you are no doubt aware, during Chet's lifetime, Mr. Richard E. Mieritz, a mining engineer of this City made several examinations and also prepared "An Informative Report on the Haigler Limestone Deposit in the Dragoon Area, Cochise County, Arizona" dated 23 January, 1961. This was a nine (9) page analysis of the property. Mr. Mieritz also testified in the trial of this case against the clients of Richard Harless, for which he was not fully paid. I was his, and the Kelton's attorney in that matter.

For these reasons, among others, Mr. Haigler caused an assignment to be made through Arthur L. Goodman (who was then acting as his Trustee) of \$2000.00 to Mr. Mieritz for the latter's accumulated services.

A copy of that "Assignment" is herewith enclosed, bearing the date of 10 March, 1961 and was notarized, as you will observe, by "A.C. Haigler" on the 3rd of April, 1961, so that his confirmation of the indebtedness and promise to pay "out of the proceeds of the sale ..." is apparent.

Thereafter, and by an amended "Agreement" dated the 30th of September, 1968, made between you and the DRACO Corporation, it is shown that you quit claimed the property in question to DRACO for an initial payment of \$5,000.00 cash together with a further covenant to receive ten (10%) per cent of the proceeds of any sale later made by DRACO.

Mrs. Violet M. Haigler
1211 North First Street

Page 2

The receipt by you of the \$5,000.00 from DRACO in 1968, occasioned the necessity to pay Mr. Mieritz the \$2,000.00 debt owing to him. Incidentally, he learned of this sale and the \$5,000.00 payment only within the last couple of days.

By reason of the foregoing we must ask that you please mail your check, payable to Richard E. Mieritz, in the sum of \$2,000.00 to this office and we will transmit it to him. We will also see to it that the "Assignment" in question is marked "Paid in full" and delivered to you.

A copy of this letter is being sent to your attorney, Mr. S. Paul Ferrin, so that he may advise you in this matter.

Sincerely yours,

Albert H. Mackenzie

AHM:mm
Enclosure

cc: Mr. S. Paul Ferrin
1301 United Bank Bldg.
Phoenix, Arizona 85012



Dana's Textbook of Mineralogy
W. E. Ford.

ARIZONA U.S.A.
12/4/72

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Mineral & Water Resources
Ariz. Bureau of Mines
1969

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LIMESTONE, DOLOMITE, AND MARBLE

(By S. B. Keith, Arizona Bureau of Mines, Tucson, Ariz.)

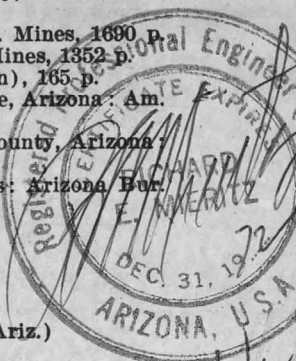
INTRODUCTION

Limestone, dolomite, and marble are calcium and calcium-magnesium carbonate rocks that are very important and useful to man in the construction industry and for chemical and industrial use. These rocks are plentiful and economical to use.

Pure limestone is 100 percent calcite (CaCO_3) and pure dolomite rock is 100 percent dolomite $\text{CaMg}(\text{CO}_3)_2$, but in nature these rocks rarely are pure, as dolomite substitutes for calcite in limestone and calcite substitutes for the mineral dolomite in dolomite rock. As used here, the names "limestone" and "dolomite" include rocks consisting of at least 80 percent carbonate. Calcite greatly predominates in limestone and dolomite predominates in dolomite rock. When calcite and dolomite are present in more equal proportions, the rock is termed a magnesian limestone.

Trace to small quantities of other metals such as iron and manganese may replace calcium and magnesium and various amounts of sand, silt, clay, and organic matter are generally present as impurities. Due to the various compositions, limestone and dolomite are classed as high lime or low lime and high magnesia or low magnesia, respectively; and as argillaceous or siliceous.

Marble, which is limestone or dolomite that has been recrystallized, may have the same chemical and mineralogical composition as the original carbonate rock or it may contain new minerals formed by the chemical reaction between the carbonates and impurities originally present or introduced during the recrystallization. Marble is almost always more coarsely crystalline than the original carbonate rock. The mineral crystals may be oriented in a parallel direction to make the rock semitranslucent or at random to give it a dense, opaque appearance. An important physical quality of some marble is its ability to take a smooth polish.



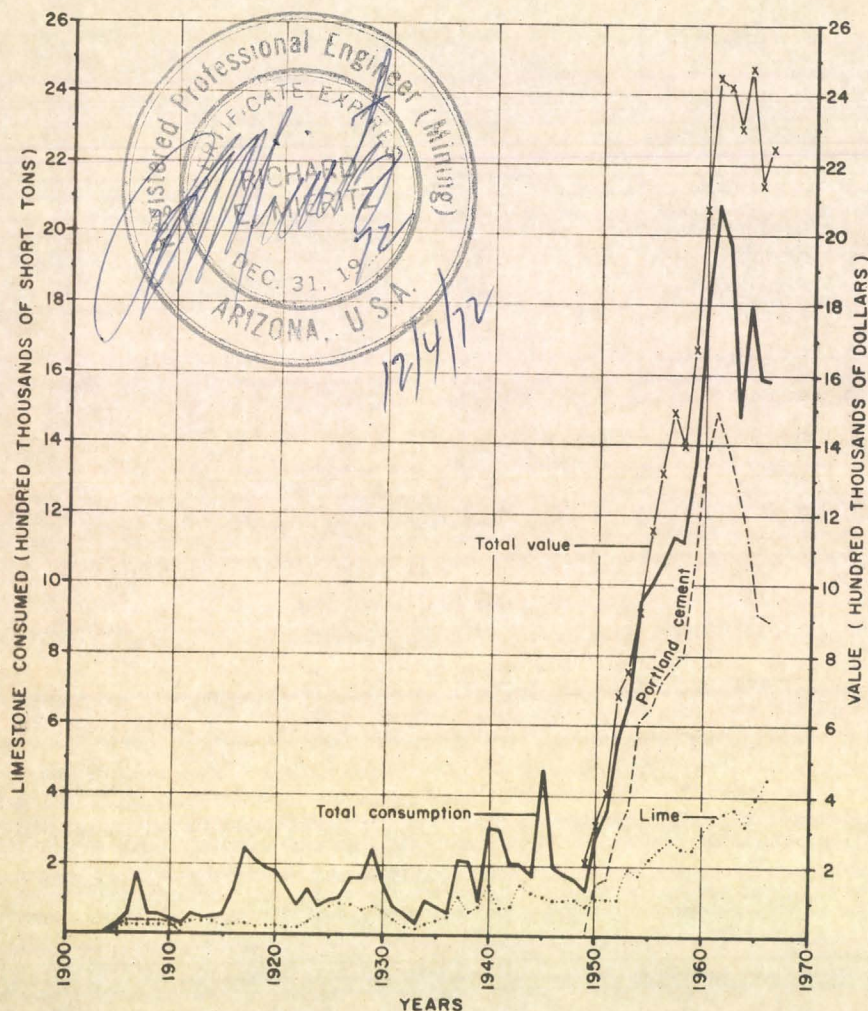


FIGURE 58.—Annual tonnage and value of limestone consumed and annual tonnage of amounts used in portland cement and lime in Arizona, 1900-66.

Commercial production of crushed and broken limestone rock dates back to at least the 1880's when lime plants were operating in northern Yavapai County. By the early 1900's limestone also was being quarried for copper smelter flux in various localities in the State and for a short period was used in producing portland cement at a government-owned plant for the construction of Roosevelt Dam. Limestone production fluctuated with the local demands for lime and crushed limestone for construction and copper metallurgy until 1949 when the sharp rise in use signaled the start of commercial cement production in Arizona at Rillito, Pima County, and in 1959, at Clarkdale, Yavapai County. The peak production in 1961 is related to the Glen Canyon Dam construction. Table 33 lists the limestone and marble producers in Arizona in 1966, the products produced, and the formational sources.

TABLE 34. *Peromyscus* *leucopus* *leucopus*

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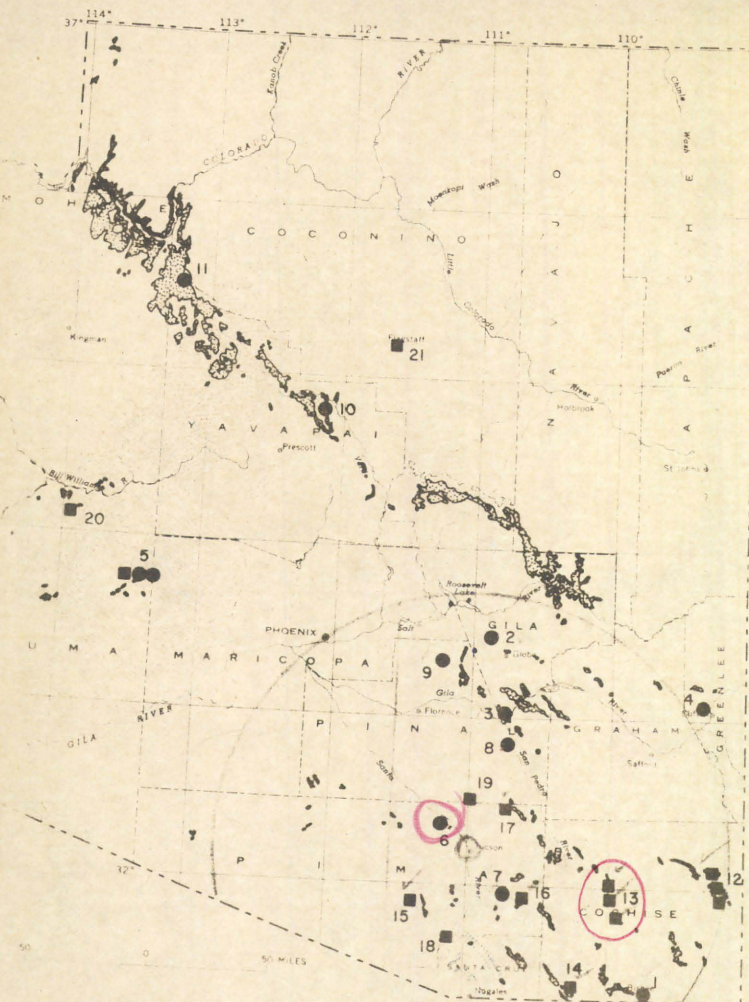


TABLE 34.—Principal limestone and dolomite in Arizona—Continued

General age and stratigraphic unit	Distribution by county and area	Thickness (feet)	Characteristics and remarks
Ordovician--Continued			
Longfellow and El Paso Limestones	S. Greenlee and F. Cochise; local occurrences in Pos Cabezas, Chiricahua, and Swisshelm Mts., and in Clifton-Morenci district.	350 to 715.	Relatively impure limestone. Generally slabby and thin-bedded, with magnesian, shaly, and sandy zones. Locally may be suitable as aggregate.
2 Cambrian			
Abrigo Limestone	Cochise, Pima, Pinal, and Santa Cruz; crops out in some mountain blocks.	360-800; thins to west and north.	Great variation in physical and chemical character. Generally thin bedded, contains silt in lower part and sand in upper beds. High magnesia content is common and fairly pure limestone is rare. For most part unsuitable for use except locally for aggregate.
Muav Limestone	NW. Coconino, N. Gila, N. Mohave, and Yavapai; crops out along Grand Canyon and intermittently to southeast.	0 to 2,000; thins to southeast.	Highly variable stratigraphically and in extent, both chemically and physically, with many sandy and magnesian beds. No known commercial use but locally may be suitable for rough dimension stone and for aggregate.
1 Late Precambrian			
Mescal Limestone	Cochise, Gila, Graham, Pima, and Pinal; scattered outcrops in SE. Ariz. and best exposures in Gila and Salt River basins.	225 to 500; thins northward.	In general grades upward from cherty, interbedded limestone and dolomite to massive, cliff-forming, magnesian limestone. Top part generally is thin bedded, silty, and siliceous. Generally is highly variable and mostly impure limestone and locally contact metamorphosed by diabase intrusion. More massive members used for rough dimension and crushed and broken stone, as at Roosevelt Dam. Some marmorized and serpentinized stone exploited as decorative marble.
Basal Limestone	Coconino; Grand Canyon area.	335 or more.	Alternating beds of magnesian limestone and shale. Location and quality limit commercial use but may be suitable for aggregate in some areas.

to be the equivalent of the Escabrosa, occurs in less disturbed form bordering the Colorado Plateaus province from east-central to north-western Arizona (fig. 59). Both contain thick, massive, strong, and durable beds of high-calcium, low-magnesium stone. Chert nodules and bands are the main impurity. The Escabrosa Limestone has been quarried at Picacho de Calera (No. 6, fig. 59), south of Rillito, Pima County, for cement rock and near Camp Grant (No. 8), Pinal County and Hayden (No. 3), Gila County, for lime and metallurgical limestone. Marble probably derived from the Escabrosa Limestone, is exposed in scattered outcrops throughout southeastern Arizona as shown in figure 59 and listed in table 35. Most of the marble is highly fractured, contains crosscutting igneous dikes, or has color variations which limit the size of blocks or the amounts that have uniform color or color pattern.





EXPLANATION

7
Limestone and marble operations in Arizona in 1966
(Number is referred to in table 33 and text)

12
Marble occurrence
(Number is referred to in table 35 and text)

Outcrop of sedimentary formations of Mesozoic and Paleozoic age containing principal limestone and marble deposits.

FIGURE 59.—Limestone and marble in Arizona.

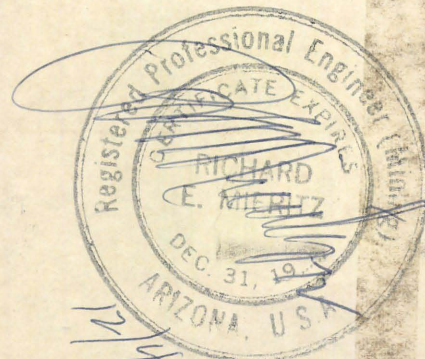


TABLE 35.—Marble occurrences in Arizona

Locality No. in fig. 59	County, area, and locality	Formation and remarks	References
Cochise			
12	Chiricahua Mts., Tps. 15-17 S., Rs. 30-31 E.	Massive and fractured, white and colored marmorized Escabrosa Limestone. Variable, chemically and physically. No recent production.	Burchard, 1914, p. 1342-1343; Wilson and Roseveare, 1949, p. 48; Townsend, 1962, p. 19-20.
13	Dragoon Mts., Tps. 16-18 S., Rs. 23-24 E.	Massive and fractured, white and colored marmorized Escabrosa Limestone. Quality variable. Ligier quarries. No recent production.	Do.
14	Huachuca Mts., T. 23 S., Rs. 20-21 E.	Marmorized Escabrosa Limestone.	Ariz. Dept. Mineral Resources, 1962.
Pima			
7	Santa Rita Mts., Tps. 17-18 S., Rs. 15-16 E.	White and colored, massive and fractured Escabrosa Limestone. Andrada Marble quarry.	Burchard, 1914, p. 1342; Townsend, 1962, p. 18-19.
15	Sierrita Mts., Tps. 17-18 S., R. 10 E.	Massive to highly fractured, white to gray, marmorized Paleozoic limestone.	Townsend, 1962, p. 18-19; Ariz. Dept. Mineral Resources, 1962.
16	Empire Mts., T. 17 S., R. 17 E.	Marmorized Escabrosa Limestone.	Ariz. Dept. Mineral Resources, 1962.
17	Santa Catalina Mts., T. 11 S., R. 16 E.	Fine, white, marmorized Escabrosa Limestone.	Burchard, 1914, p. 1342.
Santa Cruz			
18	3 mi. W. of Amado, T. 20 S., R. 12 E.	White, marmorized Paleozoic limestone.	Townsend, 1962, p. 18-19.
Pinal			
19	Tortolita Mts., T. 10 S., R. 13 E.	White, dense, highly fractured marmorized Escabrosa Limestone.	Townsend, 1962, p. 18.
9	Hewitt Canyon, T. 1 S., R. 11 E.	Impure, marmorized, and serpentinized Mescal(?) Limestone	N. E. McNeice, oral commun., 1968.
Maricopa-Yuma			
5	Harquahala Mts., T. 5 N., Rs. 10-12 W.	White and colored, massive and fractured, marmorized Paleozoic limestone. Blackstone quarry and White Marble quarry.	Townsend, 1962, p. 18; Ariz. Dept. Mineral Resources, 1962.
Yuma			
20	Buckskin Mts., T. 9 S., R. 16 W.	Coarsely crystalline, marmorized Paleozoic limestone.	Burchard, 1914, p. 1343; Ariz. Dept. Mineral Resources, 1962.
Coconino			
21	Elden Mtn., T. 21 N., R. 7 E.	Pure, coarse-grained, white marmorized Redwall Limestone.	Robinson, 1913, p. 77.

Lithographic Stone.—The variety of limestone used for engraving and the reproduction of colored plates is a fine-grained rock with imperfect conchoidal fracture, gray or yellowish in color, and uniform in texture. It must be porous, to absorb the grease in the printer's ink, and soft enough to work readily under the engraver's tool. Lithographic stone of good quality is difficult to find. The product from the Solenhofen quarries in Bavaria is a Jurassic limestone of unusual excellence. The material is variable in composition and its value is ascertained only by trial.¹ The price ranges up to 20 cents per pound.

Lithographic stone is reported to occur in several states of the Union, but none of it appears to be as good as Solenhofen rock. The plates used are 22 or 28 by 40 inches, and 3 inches thick. The better grades are expensive, selling at about 22 cents per pound. The best grade quarried in the United States comes from Brandenburg, Kentucky.² Little lithographic stone is now used.

Hydraulic Limestone.—Certain argillaceous limestones or dolomitic limestones are used for the manufacture of natural cement. Such rock, crushed and burned, hardens or "sets" when mixed with water, owing to hydration and crystallization of the silicate and aluminate of calcium formed during the burning. "Portland" cements are mixtures of limestone and argillaceous rocks, subjected to a similar process of grinding and burning.³

Lime.—Pure limestones are changed by burning and consequent decarbonation at 898° C. to quicklime which is usually shipped as "lumlime"; this "slakes" to a calcium hydroxide when mixed with water and is used, with the addition of sand, as mortar in brick constructions. The "slaking" is retarded by the presence of magnesia and argillaceous impurities.⁴ Slaked lime, finely powdered is a recent product used extensively for waterproofing concrete.

¹ S. J. Kübel, *Mineral Resources*, U. S. Geol. Survey, 1900, pp. 869-873.

G. P. Merrill, *The non-metallic minerals*, New York, 1910, pp. 147-152.

² E. O. Ulrich, *Eng. and Min. Jour.*, 73, 1902, p. 895.

³ E. F. Burchard, *Mineral Resources*, U. S. Geol. Survey, 1916, with list of literature.

⁴ E. F. Burchard and W. E. Emley, The source, manufacture and use of lime, *Mineral Resources*, U. S. Geol. Survey, pt. 2, 1913, pp. 1509-1593.

E. C. Eckel, *Cement, limes and plasters*, New York, 1922.

W. E. Emley, *Manufacture of lime*, *Tech. Paper* 16, U. S. Bureau of Standards, 1913.



7/9/28
 Mineral Deposits
 Waldemar Lindgren
 1928

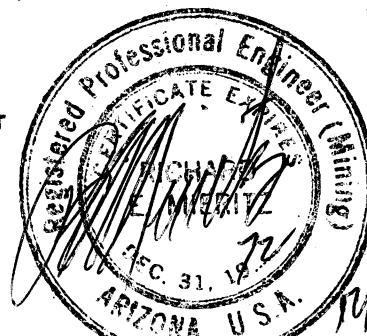
REPLY TO:
11031 WHITE MOUNTAIN RD.
SUN CITY, ARIZONA 85351
TELEPHONE (602) 977-1711

Richard E. Mieritz

MINING CONSULTANT

ARIZONA REGISTERED
MINING ENGINEER AND GEOLOGIST

GEOLOGY
EXPLORATION
EVALUATION
FEASIBILITY
OPERATION



PROFESSIONAL RESUME

CONSULTANT, 1956 to Present:

Practicing in the fields of exploration, geology, valuation, mining, feasibility and metallurgy of ferrous, non-ferrous and non-metallic mineral deposits completing many examinations and evaluations of mining properties in Arizona, Western States, Central and South America, Australia, Canada and Turkey for individuals and corporations. The following are some of the long term retainments by corporations.

CYPRUS MINES: Eighteen months in Turkey in charge of and completing a geological reconnaissance using helicopter for 250 miles along the Black Sea and 100 miles inland.

ANVIL MINING CO.: Field Development and Administrative Engineer of the Faro lead-zinc-silver deposit, White Horse, Yukon Territory in charge of diamond drill exploration and evaluation, also administration of field operation.

MT. GOLDSWORTHY MINING PTY.: Three years and designated as Chief Mining Engineer and Exploration and Field Project Manager of the Mt. Goldsworthy Iron deposit, Port Hedland, Western Australia. Mt. Goldsworthy is a consortium of Utah Construction Co., Consolidated Goldfields of London and Cyprus Mines, Los Angeles. Supervised exploration drilling, geological staff and feasibility investigations as to mine planning and operation, townsite planning, railroad route, harbour and dock loading facilities, etc.

GENERAL: Completed many field examinations of base metals, diamonds, uranium, manganese, non-metallics, etc, in Mexico, Panama, Brazil, Australia and the Western mining states.

AMSTUTZ & YATES, 1953-56:

As a field engineer for the Consulting Petroleum Geologist and Engineers of Wichita, Kansas, I completed engineering work in the oil and gas fields of Kansas and Oklahoma. Completed geological work, oil and gas reservoir reserves and potential evaluations, secondary oil recovery by gas and water repressuring, design of such plants and methods.

AMERICAN SMELTING & REFINING CO., 1945-53:

Field Superintendent of exploration and evaluation Projects of base metals in Utah, Idaho, Colorado, Nevada and Arizona, particularly Silver Bell copper deposit for 2½ years in charge of churn drill and diamond drill exploration and evaluation of the low grade deposits. Field Su-

perintendent for 3 years at the Toquepala-Quellaveco low grade copper deposits exploration using churn drills and diamond drills. Supervised geological and engineering staff, accounting department, etc and some 400 other personnel. The latter was for Northern Peru Mining and Smelting Co., a subsidiary of A. S. & R. Co., in southern Peru.

U. S. BUREAU OF MINES, 1942-45:

Project Engineer supervising iron and aluminum exploration and evaluation Projects in Utah. In 1944 became Ass't to Chief of the Iron and Steel Division in Washington D. C. This office controlled all exploration and mining Projects of raw materials for steel making in the U. S. and Alaska. After Bureau re-organization, became Chief of the Nevada-California and Alaska Divisions controlling exploration and evaluation Projects of all minerals in the industry. Had budgetary responsibilities.

EARLY EXPERIENCE, 1938-42:

U. S. Smelting & Refining Co., Lark, Utah, Ass't Mine Engineer.
Utah Copper Co., Bingham, Utah. Trackhand, Sampler, Assayer.
Shell Oil Co., Hobbs, New Mex. and Big Spring, Texas. Roustabout.
Pickands-Mather Iron Mining Co., Wakefield, Michigan, Mine Engineers helper. Summer work, 1938.

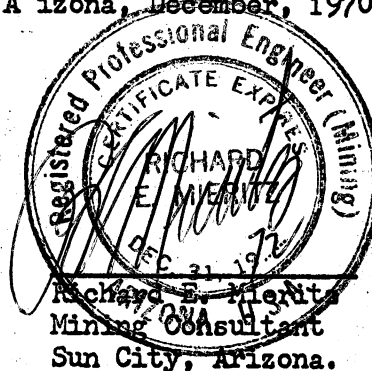
Received B. S. Degree, Mining Engineering, Univ. of Wisc., June, 1939

Received Petroleum Geology Certificate, Kansas Geological Society, Univ. of Kansas, April, 1954.

Received Mining Engineers License 3191, State of Kansas, July, 1955. Not in force.

Received Mining Engineers License 2745, State of Arizona, March, 1956. Valid.

Received Geologist License 7784, State of Arizona, December, 1970. Valid.



THE ANACONDA COMPANY

809 Kearns Building
Salt Lake City 1, Utah



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MISSION from *[Signature]*

Asst. Chief Geologist

March 29, 1960

Mr. Joseph C. Kostolnik
Centroid Consolidated Mines
650 North 1st Ave.
Phoenix, Arizona

Re: Centroid Mine
Ellsworth Mining District
Yuma County, Arizona

Dear Mr. Kostolnik:

Herewith I am returning to you the report on the
"Centroid Mine" by Mr. R. E. Mieritz. We appreciate very much
the opportunity to review this report.

The results of the seven diamond drill holes drilled
to prospect the Horse Whim zone and other structures are not en-
couraging, and the sampling of the Horse Whim shaft shows only
very low copper values. These facts would not warrant further
investigation of the property at this time by our organization.

Mr. Mieritz' report contains much useful information,
and he is to be complimented upon its completeness. Thanking
you for your letter and the report, I am

Yours very truly,

[Signature of Roland B. Mulchay]

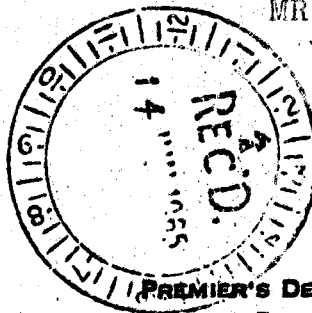
Roland B. Mulchay

REM:S

Encl.

cc-Mr. V. D. Perry
Mr. S. K. Droubay
Mr. J. L. Kelly





11th June, 1965.

NOT to be Duplicated

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MISSION from ~~ACT HO~~

Dear Mr. Mortimer,

I have been asked by the Premier, Hon. David Brand, M.L.A., to thank you for your co-operation in arranging for the Australian Ambassador-designate to Japan, Sir Allen Brown, C.B.E., to inspect the iron ore deposits at Mt. Goldsworthy during his recent visit to this State.

Sir Allen was most appreciative of the arrangements made on his behalf, and I am sure that the personal assistance rendered by you and Mr. R. F. Kohn greatly contributed to the overall success of the visit.

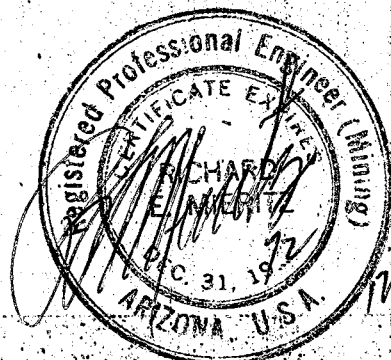
Sir Allen and other members of the party have particularly mentioned the lunch provided at Mt. Goldsworthy. It is quite apparent that this was a most pleasant function, and one enjoyed by all concerned.

Please accept the Premier's personal thanks for your co-operation and assistance. I should also be obliged if you would make the Premier's views known to Mr. Kohn at Port Hedland and Mr. Brandt and Mr. Mieritz at Mt. Goldsworthy.

Yours sincerely,

UNDER SECRETARY.

MR. G. J. MORTIMER,
GENERAL MANAGER,
MT. GOLDSWORTHY MINING ASSOCIATES,
214 ST. GEORGE'S TERRACE,
PERTH.



R. E. Mieritz

MOUNT GOLDSWORTHY MINING ASSOCIATES

LONDON HOUSE, 214 ST. GEORGE'S TERRACE, PERTH, WESTERN AUSTRALIA

GENERAL MANAGER: G. J. MORTIMER, M.B.E.

TELEPHONE: 21 2013
TELEGRAMS: "GOLDMINAS" | PERTH
TELEX: AAG2171

ALL CORRESPONDENCE SHOULD BE
ADDRESSED TO THE GENERAL MANAGER

/BC

29th June, 1965

GJM:1488

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MISSION from *[Signature]*

Mr. R.F. Kohn
Resident Manager,
Port Hedland.

Dear Mr. Kohn,

VISITORS

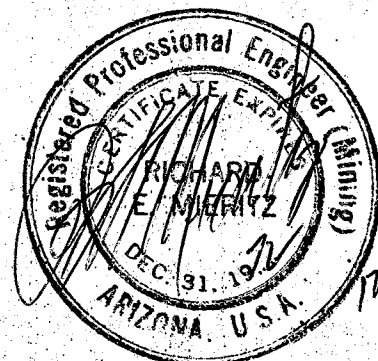
It gives me great pleasure to send you the enclosed, copy of a letter of 23rd June from the Governor of the Reserve Bank of Australia, and to add my personal thanks. The attitude of the Bank of England is of particular importance to Gold Fields and all the Partners are very dependent on the cooperation of the Reserve Bank in respect of dollar draw-downs and remittances. The efforts you and Mr. Mieritz made on this occasion will do much to ensure their continued understanding and goodwill. A copy of my reply is also enclosed.

I enclose a copy of this letter and enclosures which you may care to pass on to Mr. Mieritz. At the same time would you please congratulate him for me on his appearance on the ABC television programme on the Pilbara on Friday last. It was noteworthy that Hamersley were doing all the talking while Goldsworthy was doing all the working!

Yours sincerely,

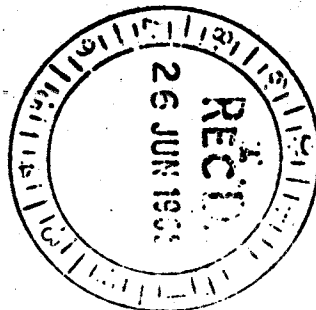
G.J. Mortimer
General Manager.

Enc.



RESERVE BANK OF AUSTRALIA

SYDNEY



23rd June, 1965.

NOT to be Duplicated
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MISSION from *[Signature]*

Mr. G.J. Mortimer,
General Manager,
Mount Goldsworthy Mining Associates,
214 St. George's Terrace,
PERTH, W.A.

Dear Mr. Mortimer,

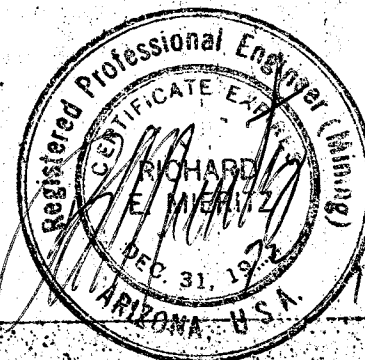
I would like to thank you for the courtesies that were extended to Mr. Dudley Allen of the Bank of England and our own two officers, Mr. Butler and Mr. Hodge, on the occasion of their recent visit to Mount Goldsworthy.

Mr. Mieritz showed them over the area explaining the project and infusing the party with some of his own intense interest in its progress to the production stage. In view of the great pressure under which the project is being developed we very much appreciate that so well-informed a person was available to show them what was happening and in prospect.

Yours sincerely,

M. B. Koomals

Governor.



	ROLL	COY
1. Mr. Mortimer	21	10
2. Mr. G. J. Mortimer		
3. Mr. Allen		
4. Mr. Butler		
5. Mr. Hodge		
6. Mr. Mieritz		
7. Mr. [unclear]		
8. Mr. [unclear]		
9. Mr. [unclear]		
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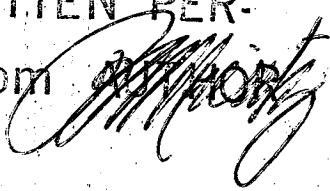
ANVIL MINING CORPORATION LIMITED

**523 WEST SIXTH STREET
LOS ANGELES, CALIFORNIA 90014
TELEPHONE 629-5771**

**ROBERT H. COLLINS III
VICE PRESIDENT**

**CABLE ADDRESS
ANVLZINC**

**November 22
1966**

**NOT to be Duplicated
Without WRITTEN PER-
MISSION from** 

**Mr. R. E. Mieritz, P.E.
Mining Consultant
5822 North 22nd Place
Phoenix, Arizona 85016**

Dear Dick:

Thank you very much for your letter of October 11, 1966.

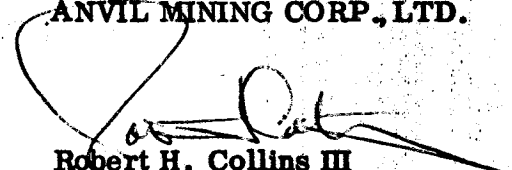
**I am sorry that we didn't have a chance to meet when you were in
Los Angeles.**

**We certainly appreciated the excellent work you did for
us in Anvil and hope that we might have an opportunity to work
together again in the near future. If you are over in the Los Angeles
area soon, please stop by to say hello and I'd like to buy you a lunch.**

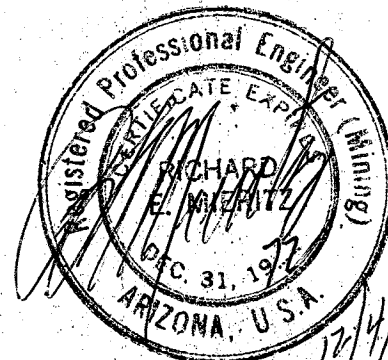
I will look forward to seeing you.

Yours very truly,

ANVIL MINING CORP., LTD.


**Robert H. Collins III
Vice President**

RHC:eb



ascidians and holothurians;¹ to what extent by other animals is, as yet, not ascertained. Anyway, vanadium must be an important constituent of sea water, though I can find no analysis confirming this.

Collectively and quantitatively these concentrations of heavy metals in sea animals are enormous. Naturally much of the metal is returned to the sea when the animal dies, but if for some reason or other the death rate is high, and the remains are buried in sediments, much of the metals must be retained in the mud; most probably in the state of sulphides. Indeed, as Professor Van Ingen has shown, minute particles of sulphides, mostly zinc blende or galena, are often found in fossilized molluscs which have been preserved by such a process of burial.

LIMESTONE

Definition and Origin.—The limestones are sedimentary rocks, predominantly composed of carbonate of calcium (CaO, 56 per cent; CO₂, 44 per cent), usually calcite, but in recent deposits also aragonite;² they contain minor amounts of magnesium and iron, also varying amounts of alumina and silica, and by the increase of these constituents transitions to shale or sandstone result. Phosphate of calcium and organic matter also enter into the composition of most limestones. The rocks contain the crystalline carbonate of calcium for the amorphous form only occurs as a transition phase; the grain varies between the widest limits.

When water containing bicarbonate of calcium is discharged into the ocean or bodies of fresh water the calcium carbonate is often precipitated because of changing equilibrium in the solutions.³ This is exemplified by deposits along the shore of the Great Salt Lake in Utah. Such limestones often form "oölitic" beds of small, rounded concretions.

Generally, organic life plays a most important part in the deposition of calcite either indirectly by precipitation by ammo-

¹ A. H. Phillips found 0.123 per cent of the weight of the entire animal dried at 110°, *Am. Jour. Sci.*, 4th ser., 46, 1918, p. 473. M. Henze found 18.5 per cent V₂O₅ in the chromogen in the blood of ascidians. Some species of these animals do not appear to carry vanadium. *Zeit. f. Physiol. Chemie*, 72, 1911, pp. 494-501.

² J. Johnston, E. M. Merwin and E. D. Williamson, The several forms of calcium carbonate, *Am. Jour. Sci.*, 4th ser., 41, 1916, pp. 473-512.

³ J. Johnston and E. D. Williamson, The rôle of inorganic agencies in the deposition of calcium carbonate, *Jour. Geol.*, 24, 1916, pp. 729-750.



*Mineral Deposits -
Waldemar Lingren*

50th Annual Report
STATE BOARD of TECHNICAL
REGISTRATION
APR 20 1972
Jan. 15, 1972

6139	Meltvedt, Arthur M., 1312 W. MacKenzie Dr., Phoenix, AZ 85013.....	Electrical Engineer
1705	Menard, Sutton F., 1109 St. Mary's Rd., Tucson, AZ 85705.....	Land Surveyor
5048	Menasco, Ralph L., 2037 Jerome Pl., Helena, MT 59601.....	Civil Engineer
5654	Mendenhall, Wesley Sanford, Jr., 9500 Braddock Rd., Fairfax, VA 22030.....	Civil Engineer
5422	Mendius, John Richard, 124 Rover Blvd., White Rock, Los Alamos, NM 87544.....	Land Surveyor
8184	Mendoza, Steve Robert, 3538 W. Mescal St., Phoenix, AZ 85029.....	Electrical Engineer
6216	Menzler, George W., 1941 W. Amelia Ave., Phoenix, AZ 85015.....	Mechanical Engineer
6336	Mercer, Donald Jay, 4650 N. 29th Dr., Phoenix, AZ 85017.....	Highway Engineer
5524	Meredith, Howard L., 4706 E. Calle Redondo, Phoenix, AZ 85018.....	Land Surveyor
6694	Meredith, Howard L., 4706 E. Calle Redondo, Phoenix, AZ 85018.....	Highway Engineer
7855	Meredith, Howard L., 3325 W. Durango St., Phoenix, AZ 85009.....	Civil Engineer
1450	Merrell, Thomas Yates, 5209 E. Whitton, Phoenix, AZ 85018.....	Electrical Engineer
6611	Merriam, Dale W., 1121 E. Campus Dr., Tempe, AZ 85281.....	Industrial Engineer
5809	Merrick, Sears Wood, 2700 W. Evans, Denver, CO 80219.....	Civil Engineer
2716	Merrill, Robert Arthur, 840 N. Wilmot Rd., Tucson, AZ 85711.....	Structural Engineer
3015	Merritt, Charles Henry, 7522 S. Race St., Littleton, CO 80122.....	Electrical Engineer
2863	Merritt, John William, 6702 E. Monterosa, Scottsdale, AZ 85251.....	Mechanical Engineer
110	Merritt, Richard L., 345 Park Ave., Prescott, AZ 86301.....	Civil Engineer
5368	Merry, James Lee, 4646 E. 2nd St., Tucson, AZ 85711.....	Architect
7427	Mershon, Myron Elwin, 5745 N. 18th Pl., Phoenix, AZ 85016.....	Civil Engineer
2403	Mertz, Joseph B., 5739 N. 10th Pl., Phoenix, AZ 85014.....	Civil Engineer
5532	Mertz, Walter Leonard, 7126 S. Apache St., Littleton, CO 80120.....	Structural Engineer
7377	Mettler, Ronald LeRoy, 1526 29th Ave., Greeley, CO 80631.....	Electrical Engineer
2255	Metz, Ramey B., 18605 S. Mesa Dr., Villa Park, CA 92667.....	Electrical Engineer
5868	Metz, Robert Allen, 250 N. Maguire St., Apt. 407, Tucson, AZ 85710.....	Geologist
1816	Metzger, Donald George, 14400 Nadine Dr., Rockville, MD 20853.....	Geologist
7405	Metzger, Henry George, Jr., 221 E. Indianola, Ste. 202, Phoenix, AZ 85012.....	Architect
4024	Meurer, Charles S., 2901 W. 19th Ave., Denver, CO 80204.....	Civil Engineer
4096	Meyer, Maynard W., 797 N. Jefferson St., Milwaukee, WI 53202.....	Architect
4170	Meyers, Joseph D., 967 W. 12th Ave., Eugene, OR 97402.....	Geologist
5403	Meyers, Walter Francis, Jr., 797 Skyway Dr., Ann Arbor, MI 48105.....	Civil Engineer
2979	Michael, William Tolbert, 434 Skyway Rd., Los Angeles, CA 90049.....	Electrical Engineer
5655	Michaels, Gus R., Jr., 6725 Le Mans Ave., Citrus Hgts., CA 95610.....	Civil Engineer
6052	Michaels, Lamar Charles, 8275 E. Koralee Pl., Tucson, AZ 85710.....	Electrical Engineer
2338	Michaelson, Stanley D., P. O. Box 11299, Salt Lake City, UT 84111.....	Mining Engineer
5215	Michels, LeMoyne Francis, 1710 JenTilly Ln., Apt. 21, Tempe, AZ 85281.....	Civil Engineer
4913	Michelson, Edwin, 528 Turf Ln., Wheaton, IL 60187.....	Architect
4694	Miculich, Edward A., 1023 S. 2nd St., Alhambra, CA 91801.....	Mechanical Engineer
5222	Middlebrooks, Eddie Joe, 1737 E. 1400 N., Logan, UT 84321.....	Civil Engineer
7688	Mierau, Irwin R., 3210 Mueller Dr., Columbus, NE 68601.....	Land Surveyor
2745	Mieritz, Richard Edward, 11031 White Mtn. Rd., Sun City, AZ 85351.....	Mining Engineer
7784	Mieritz, Richard Edward, 11031 White Mtn. Rd., Sun City, AZ 85351.....	Geologist
7962	Migrock, Thomas Donald, 7126 N. 19th Ave., Apt. 105, Phoenix, AZ 85021.....	Civil Engineer
7290	Miklofsky, Haaren Albert, 5417 E. 20th St., Tucson, AZ 85711.....	Civil Engineer
5194	Milan, John Francis, 1510 Glenayr Dr., No. 5, Lakewood, CO 80215.....	Architect
5945	Miles, Frederick Dean, 2924 James Ave., Manhattan, KS 66502.....	Architect
6442	Miles, John J., 19730 Ventura Blvd., Ste. 10, Woodland Hills, CA 91364.....	Structural Engineer
5810	Milks, Donald Earle, Ohio Northern Univ., Civil Engineer, Dept., Ada, OH 45810.....	Civil Engineer
2811	Miller, Alden W., 1019 W. Mission Ln., Phoenix, AZ 85021.....	Chemical Engineer
8165	Miller, Arthur John, 2260 Park Ave., Cincinnati, OH 45206.....	Civil Engineer
7621	Miller, C. Howard, 3800 N. Central, Ste. 303, Phoenix, AZ 85012.....	Architect
1860	Miller, Cecil Howard, 9429 S. 1st Dr., Phoenix, AZ 85041.....	Mechanical Engineer
2514	Miller, Charles Fredrick, 2519 Strong Pl., Anaheim, CA 92806.....	Mechanical Engineer
7428	Miller, Donald, 5939 Kester Ave., Van Nuys, CA 91401.....	Civil Engineer
5811	Miller, Donald Barrett, 1234 W. Sunset Dr., Redlands, CA 92373.....	Civil Engineer
148	Miller, Earle V., 4344 E. Indian Sch. Rd., Phoenix, AZ 85018.....	Civil Engineer
4236	Miller, Fred James, 2316 W. Cheery Lynn Rd., Phoenix, AZ 85015.....	Civil Engineer
4945	Miller, Fred James, 2316 W. Cheery Lynn Rd., Phoenix, AZ 85015.....	Structural Engineer
4133	Miller, George Robertson, 1611 Circle Dr., Lincoln, NE 68506.....	Mechanical Engineer
4846	Miller, Glen W., 2315 E. 7th St., Long Beach, CA 90814.....	Mechanical Engineer
2035	Miller, Halbert B., 6 Watchtower Rd., Darien, CT 06820.....	Mechanical Engineer
1953	Miller, Henry, 176 W. Adams St., Chicago, IL 60603.....	Civil Engineer
1605	Miller, Henry Dean, 8120 Smithfield Ave., Springfield, VA 22152.....	Electrical Engineer
5656	Miller, James Robert, 3702 W. Denton Ln., Phoenix, AZ 85019.....	Civil Engineer
4658	Miller, L. Don, 1439 N. 1st St., Phoenix, AZ 85004.....	Architect
1249	Miller, Lloyd Wendell, 4221 E. Vermont, Phoenix, AZ 85018.....	Civil Engineer
1288	Miller, Lloyd William, P. O. Box 3203, El Cajon, CA 92020.....	Civil Engineer
5301	Miller, Loren C., The Austin Co., 2001 Rand Rd., Des Plaines, IL 60016.....	Civil Engineer
7988	Miller, Olin D., 5104 N. 83rd St., Scottsdale, AZ 85253.....	Electrical Engineer
1625	Miller, Paul T., 33 E. 15th St., Tempe, AZ 85281.....	Geologist
7143	Miller, Richard L., 5007 Cedar Lake Rd., Oscoda, MI 48750.....	Land Surveyor
4667	Miller, Richard M., 2009 E. Lamar Rd., Phoenix, AZ 85016.....	Architect
7689	Miller, Robert C., 2527 Gen Marshall, NE, Albuquerque, NM 87112.....	Land Surveyor

1956 →
1970 →



12/4/72