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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: JACK DANIELS

ALTERNATE NAMES:

DENETSO #5  
WELLS CARGO CLAIM  
MAH JOHNSON CLAIM

COCONINO COUNTY MILS NUMBER: 81

LOCATION: TOWNSHIP 29 N RANGE 9 E SECTION 11 QUARTER S2  
LATITUDE: N 35DEG 54MIN 15SEC LONGITUDE: W 111DEG 24MIN 05SEC  
TOPO MAP NAME: CAMERON - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

URANIUM

BIBLIOGRAPHY:

ADMMR JACK DANIELS MINE FILE  
CHENOWETH,W.L.,ET AL,1973, URANIUM DEPOSITS  
OF NE ARIZONA, (DOE)AEC TM-191, P. 7  
CHENOWETH,W.L.,ET AL 1993,URANIUM DEPOSITS IN  
THE CAMERON AREA (AGS)CR-93-B, P.12

CAMERON MINING COMPANY

Visited the construction site of the Milestone Hawaii, Inc. upgrader plant. The company is composed of a group of Hawaiians formerly associated with "Honest John" Addison in the now defunct Murchison Ventures upgrader project. The company has torn out the Murchison upgrader and is building a very much larger and more elaborate one on the same site. Following are some of the officials of the company - all of Honolulu:

President - Naoji Yamagata  
Secretary - Johnny Sakaki  
Manager - Leon K. Sterling Jr.

Mr. Sterling is presently residing in Flagstaff and intends to stay on the job until the plant is in operation. His address: Wetherford Hotel, Flagstaff. Plant design and construction is under the supervision of Page Blakemore with Rudy Gracey as construction supt. The plant consists principally of a 24" x 36" crusher, 4' x 10' rod mill, washing classifiers, cyclones, filters, dryers, etc. Most of the equipment is on the job and installation is about 1/3 complete.

Mining will be performed on contract by Cameron Mining Co. (Blakemore et al). Properties include sections leased from the C.O. Bar Livestock Co. (Babbitt) also a section owned by Blakemore. The lands which will be worked first are all at or near the plant site. It is anticipated that plant feed will run .06 to .07%  $U_3O_8$  and upgraded product 0.50 to 0.60%  $U_3O_8$  and that the plant will handle around 700 tpd.

The company counts upon the Tuba City Mill of Rare Metals Corp. to purchase the product altho no contract has been entered into as yet. An average of about 30 men is employed during the current construction stage.

TPL WR 9-16-61

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Active Mine List Oct. 1962 - Developing U - Denetso #5 Mine

Learned Page Blakemore moved all of his equipment but one trailer from Cameron.  
EGW WR 5-13-64

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CAMERON MINING COMPANY  
Cameron, Arizona

1961 - Page Blakemore, Gen. Mgr.  
Steinberger, Mr.

George Bastedo &  
Donald P. Wilson bought Steinberger's half (TPL-WR-4-15-61)

See: HUSKON & RAMCO GROUPS (file)

PROPERTIES

- EMMETT LEE #1 & OTHERS (file)
- HUSKON 1,2,3,11 CLAIMS - Active 9-1960 & 2-1961 ;#1,3 Active 10-1961
- HUSKON 6, 12, 17 - Active 10-1961
- HUSKON & RAMCO GROUPS (file)
- MARDUN COMPANY (file)
- RAMCO CLAIM - Active 10-1959 & 2-1960
- RAMCO 20, 22 CLAIMS-Active 9-1960 & 2-1961, 10-1961
- UTAH SOUTHERN CLAIM - Active 10-59-& 2-1960
- UTCO CLAIM - Active 10-1959 & 2-1960
- WELLS CARGO CLAIM - Active 10-59 & 2-1960
- YAZZI 101 & 312 - Active 9-1960 & 2-1961 , 10-1961
- MAH JOHNSON CLAIM - Active 10-1961
- DENETSO #5 MINE - Active 10-1962 - Dev. U**

File - Coron Mining Co.

**Shamrock Enterprises**  
**20300 Arline Avenue**  
**Artesia, Calif.**

Underhill 5-6589

Garfield 5-4709

April 24 1961

Mr. William P. Crawford  
1823 North 40th Street  
Phoenix 8, Arizona

Dear Bill;

I am sorry that I haven't let you know whats been happening before now but you know how things go when you depend on someone else to do things. The fellows that I am involved with in this uranium deal are a bunch of pussyfooters and can't seem to get anything accomplished. As things stand now I will be in Flagstaff on the 29th of April. Thats this coming Saturday. I will arrive there in the afternoon if we fly and around 10 P.M. if we take the train. I will send you a telegram Friday the 28th stating where we can meet and at what time. O.K.

The way things look at present we should be in operation by the 7th of May if your report is favorable and there is sufficient ore to be mined on a paying basis. The two small mines that we are going to begin with are located in the Cameron area and the shafts have already been sunk. Also all drilling and testing has supposed to have been done. Rare Metals of America sank the shafts in 58 or 59 before the government shut them down for violating the anti-trust laws. Navajo Leytso Mining Co. will be the operators and most of our equipment will be utilized on a rental-buy basis. Rare Metals Mill in Tuba City will process our ore. The Names of the mines are the Elwood Canyon and the Jefferson Canyon. I have to come up with 5 grand by Sat. to get this deal off the ground and its been promised. So if ~~this~~ things go as planned you will get a telegram Friday confirming our meeting in Flagstaff on the 29th.

So long until then.

With kindest regards



William R. Flowers

Handwritten number 213

1823 North 40th Street  
Phoenix 8, 1961  
May 6, 1961

Mr. William R. Flowers  
20300 Arline Avenue  
Artesia, California

Dear Bob:

You mentioned in a telephone conversation that Mr. Osterndorff had stated or indicated that I might go to work for his company or for either Wilson or Rogers. Please be advised that I have been retained by you to work on this uranium deal and until I complete my assignment for you I cannot accept anything from Osterndorff, Wilson or Rogers which might conflict with work I am doing for you. During the meeting with the three men Wilson asked a question regarding my qualifications and I told them I am a Mining Engineer, registered for professional and consulting work. Later, both Wilson and Rogers said they might avail themselves of my services with particular reference to fracture sand.

Please regard this as a personal note to you or to you and Ty. I do not regard the uranium business as too good a risk at this time. Several years ago all one needed was a good chunk of ore to make a counter buzz and he was in business. Today the production of uranium is very high and there is just one buyer - the AEC. Preliminary figures for uranium production in 1960 are :

Arizona	\$ 6, 342,000
Utah	27, 300,000
Colorado	24, 234,000
Wyoming	29, 000,000
New Mexico	63, 684,000

All of the mining companies are digging to fill their quota before the contract period expires; the dates being from 1/1/62 to 66.

I can go this with you when I am in California - I don't think I am beating you of a million dollars and me, I, personally would not risk a dollar until I knew a lot more about it.

There has been a lot of high grade in Monument Vally but there has been a lot of low grade also. And don't think it hasn't been propected because it has been. Most of the Navajo have a built-in Geiger counter and they do not consider it a crime to fornicate a white man.

Sincerely,

Mr. William R. Flowers  
Shamrock Enterprises  
20300 Arline Avenue  
Artesia, California

Dear Mr. Flowers:

Attached are notes on the meeting held with Messrs. Osterndorff, Wilson and Rogers at Flagstaff, Arizona on April 29, 1961. It was my intention to investigate the mining properties at Cameron and in the Monument Valley; to check the mining permits, milling contracts and other papers and to collect data available at Window Rock. However, after listening to the three gentlemen for approximately five hours I thought it unwise to spend any more of your money until you decided whether you wanted to invest in the deal.

I was unable to obtain a definite statement as to what you will obtain for an investment of \$20,000.00 except that Mr. Osterndorff will give you a half interest in any mines which he may acquire.

I am not challenging the sincerity, honesty or integrity of any of the three principals. But I believe it would be unwise for you to engage in a speculation in uranium, whether mining or concentrating unless:

- ( a ) it has been thoroughly investigated
- ( b ) you are financially able to risk the loss of your venture capital.

I have not investigated Mr. Osterndorff's, Dr. Wilson's or Dr. Rogers' Proposals and I recommend that you risk no money unless an investigation is made and you know exactly what you will have. On the face of it I consider the risk hazard of the proposal quite high and the cash recovery factor to be low.

I expect to be in Southern California within a week and can discuss this further with you.

Very truly yours,

William P. Crawford, E.M.

1823 North 40th Street  
Phoenix 8, Arizona  
May 6, 1961.

NOTES ON MEETING BETWEEN W.P. CRAWFORD, E.R. OSTERNDORFF, Wm. Rogers,  
DON P. WILSON AT FLAGSTAFF, ARIZONA, APRIL 29, 1961 FOR W.R. FLOWERS.

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To : William R. Flowers  
Artesia, California.

In accordance with your instructions I met Mr. Edward R. Osterndorff in Flagstaff, Arizona, Saturday, April 29, 1961 to investigate uranium properties offered you as an investment by Osterndorff and associates. Osterndorff informed me his associates, Dr. William Rogers, of the Twilight Mining Company and Dr. Don P. Wilson, of the Cameron Mining Company, would be in Flagstaff at noon and we could save repetition by discussing the matter while everyone was present. I told him I would be glad to meet Dr. Rogers and Dr. Wilson but I preferred to discuss it with him first as he had made the offer to you.

He agreed to this as several hours would elapse before Rogers and Wilson would arrive in Flagstaff. He said he had very interesting proposal which he believed would yield great profits; that he had mentioned this to you without giving any details and he would like me to go over the brochure prepared by Dr. Wilson. I said I would be glad to but wanted information on the uranium mines offered Mr. Flowers before going to other subjects. Following are notes on our discussion:

Osterndorff - Crawford Meeting

Osterndorff is acquiring control or ownership of the Navajo Leytso Mining Company: a Delaware corporation licensed in Arizona; formed several years ago by Texas and California people to explore, develop and operate uranium properties on the Navajo Reservation. Has complied with all of the requirements of the Tribal Council, including the posting of bonds.

Navajo Leytso Mining Company will be the operating vehicle for two mines under the jurisdiction of the Cameron Mining Company and would participate with the Twilight Mining Company in certain mines at Cameron and in the Monument Valley.

The Cameron Mining Company mines to be operated by the Navajo Leytso Mining Company are the Elwood Canyon and one other mine, whose name had slipped Osterndorff's memory.

The properties of the Twilight Mining Company include three mines at Cameron:

the <sup>Thompson</sup> Mine, now operating, will cost \$5,000.00  
the Denetsonni Mine, has a shaft.

the Jefferson Canyon Mine, drilled out, no shaft.

and the Twilight property in Monument Valley, contiguous to the Industrial Uranium Company. 320 acres, will require a shaft and about \$15,000 additional drilling. Total value of uranium in this property may be as high as \$26,000,000 according to Osterndorff.

In addition to the properties listed above Rogers and his partner, Ralph Roanhorse, are prospecting for uranium on Piute Mesa where high grade uranium ores have been reported.

I asked Osterndorff what part Flowers played and was told that he would be Osterndorff's partner. That Flowers would invest \$20,000.00 and that perhaps he and Mr. C.E. Williams would want to invest additional money in Dr. Wilson's proposition. And if I cared to glance over Wilson's brochure he would see whether Rogers and Wilson had arrived.

Wilson had prepared a report outlining the advantages of building a concentrator in the Cameron area to improve the grade of low grade material. According to the report there are 400,000 tons of low grade material in the Cameron area which will average 0.07% uranium oxide (  $U_2O_8$  ). This is too low grade to ship to the Rare Metals mill at Tuba City but if the grade could be raised to 0.20% uranium oxide it would be salable material. According to the report a concentrator similar to the one operated on Monument Valley ores by the Vanadium Corporation of America would handle the Cameron low grade. In addition to improving the grade, the tailing from the concentrator will yield sand most of which will fall in the class of fracture sand. According to the report, fracture sand is in short supply in the United States and there will be a ready market for this waste product at prices ranging from \$9.00 to \$30.00 per ton. The waste product will provide large profits, according to the report. Test work to determine the amenability of the Cameron material to concentration was made on several hundred tons, which was hauled to and passed through the VCA concentrator at Mexican Hat. These tests indicated an extraction of 80% with a concentrate grade of 0.16% to 0.20% uranium oxide.

When Osterndorff returned he said Wilson and Rogers had left Cameron and would arrive in Flagstaff at about 1:30 PM. I told him I was prepared to examine the mine in the Cameron and Monument Valley areas but wanted to meet Rogers and Wilson.

#### Osterndorff, Wilson, Rogers and Crawford Meeting

The four listed above met at 1:45 PM. Dr. Wilson asked whether I had been shown the brochure on the concentrator. On being asked whether the material tested at the VCA plant was clayey he said two types of concentrators would be required. That most of the uranium ore on the east side of Little Colorado River is clayey and this would require a dry type concentrator which had been developed by a Flagstaff resident. That the dry concentrator will effect a recovery of 60% - 65% and that the tailing can then be passed through a wet concentrator to recover additional uranium. The ores on the west side of the Little Colorado are principally in the Shinarump formation, are sandy, and can be handled by a wet concentrator mentioned in his report.

Dr. Wilson said the concentrators will be a great thing for the Cameron area and will allow the old dumps and low grade mines to be worked. In addition, the real profits will come from the sale of the waste product, the sand tailings. There is a ready market for all of the fracture sand which can be produced. I asked from whom he obtained his market and price information and he answered from the oil operators. I told him I was somewhat familiar with fracture sand and that his flow sheet would require screen equipment to size the sand. He answered that the grainsize

would be controlled by the rod spacing in the rod mills; a wide spacing for coarse sand and a fine spacing for fine sand. Also the rod mill would yield a round sand. Both of these statements are erroneous and indicate ignorance of basic milling practice.

Wilson stated that the concentrator would require \$85,000 to build and equip but there should be a fund of \$200,000 to amply finance it. He said the contract period for uranium would be extended to January 1, 1957. He mentioned the existence of high-grade ores in the Cameron area and that Rare Metals might build a plant to handle this type of ore.

I explained to them that I had been retained to investigate the uranium mines in the Cameron and Monument Valley areas offered to Flowers by Osterndorff. That I was ready to visit the Twilight properties. Dr. Rogers interrupted to say that Flowers would not share in the Twilight properties, neither in Monument Valley nor at Cameron; that the Twilight properties were owned by him and by Ralph Roanhorse and they had definite plans to operate them. Dr. Wilson, on being questioned, said Flowers would not be a party to the Cameron Mining Company so far as the mines are concerned. The writer then questioned whether Flowers would participate in the Navajo Leytso Mining Company. Mr. Osterndorff said he was securing Navajo Leytso for himself, that Flowers would not be a part of the company but would have a half interest in any mines Navajo Leytso might acquire. I asked what mines Navajo Leytso held and was told that so far they had no mining property.

Dr. Rogers then stated that if Flowers invested with Osterndorff Rogers and Roanhorse would see that Navajo Leytso secured mining property. I said his investment would be in non-existent assets and the three men said the assets would exist when the time came.

I could not see where anything would be gained by further discussion nor could I see any point in accepting Wilson's invitation to go over the records in Cameron. There was no point in going to Window Rock to check the permits and other records. I told the three men that I would call you and transmit the information gathered from them. I asked Osterndorff privately why the sudden change regarding Twilight Mining and he said he was sure Rogers would take care of Flowers after he invested the \$20,000. I left Flagstaff about 4:30 PM, returning to Phoenix.

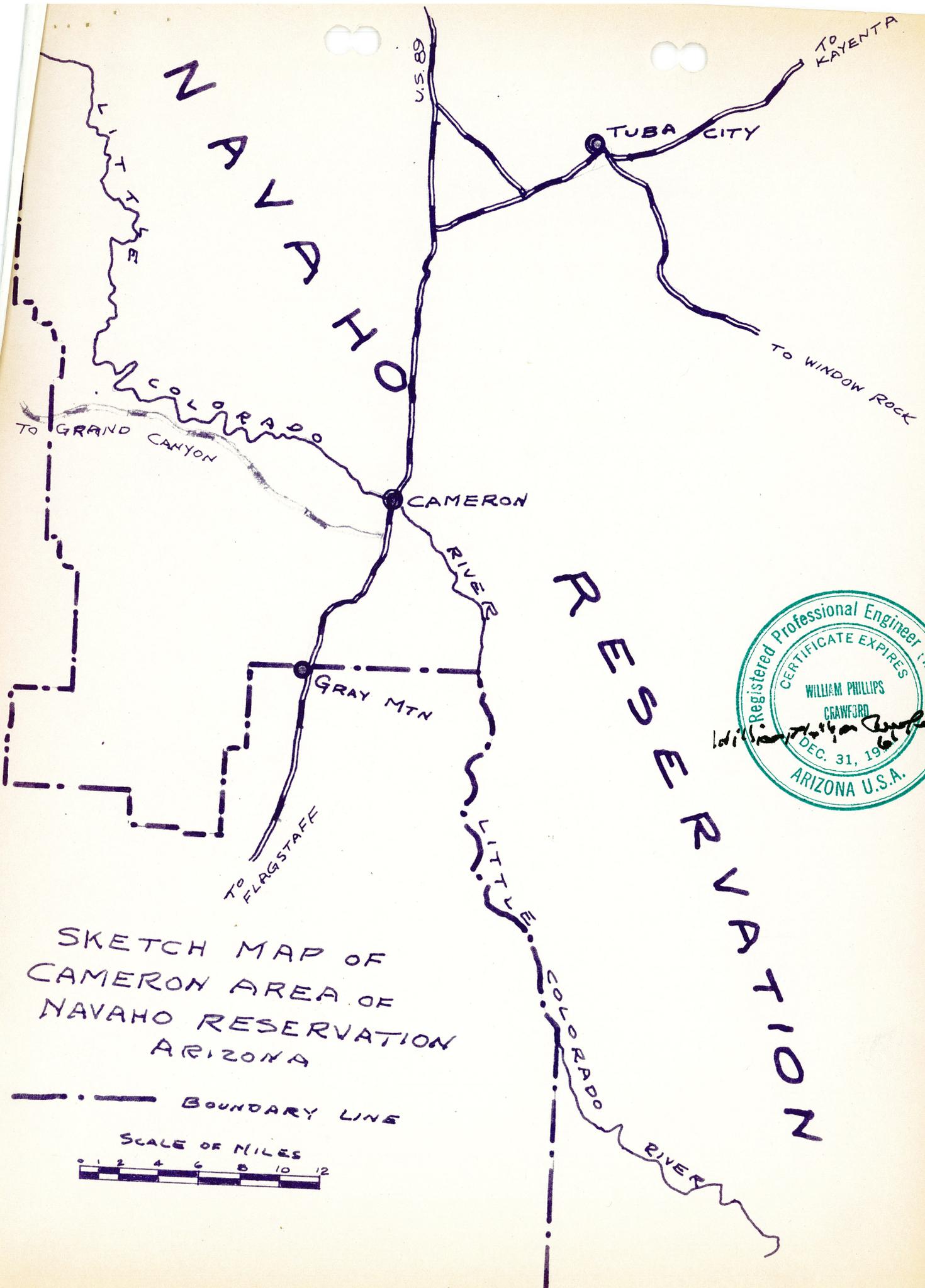
I can investigate further if you so desire but I recommend that you abandon this project.

William P. Crawford, E. M.

Phoenix, Arizona  
May 7, 1961

Enclosure

- 1 - Map Cameron Area
- 1 - Flowsheet Wilson



SKETCH MAP OF  
CAMERON AREA OF  
NAVAHO RESERVATION  
ARIZONA

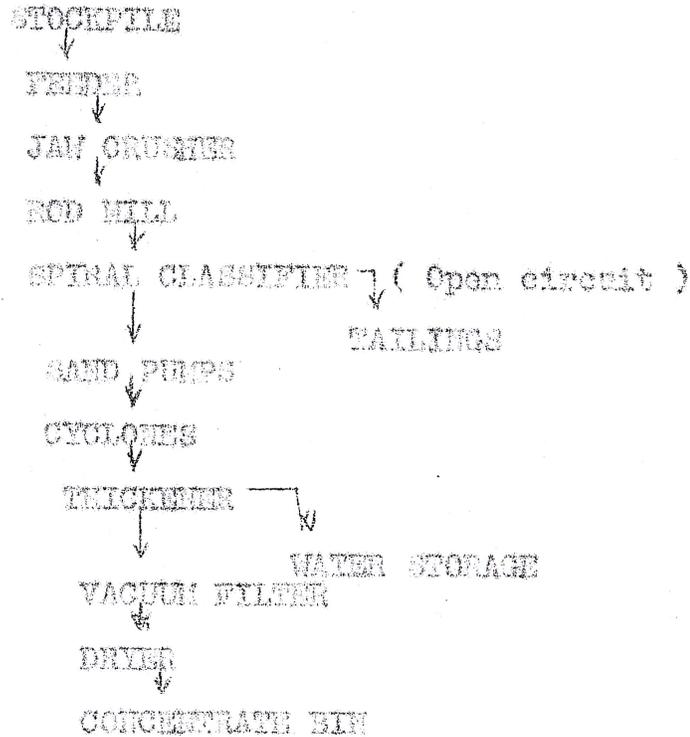
--- BOUNDARY LINE

SCALE OF MILES



CONCENTRATOR FOR URANIAN ORES

VANADIUM CORPORATION OF AMERICA FLOW SHEET  
( From Report of D. P. Wilson, 1961. )



Minimum Tonnage - 200 Tons per 24 hours  
Recommended 500 Tons per 24 hours

D. P. Wilson Report.

Edward R. Osterndorff

Navajo Leitch Henry Canyon

Delaware Corp.

~~Delaware Canyon~~ ~~Delaware Canyon~~

Arizona, California

will be taken <sup>over</sup> by Mr E. R. Osterndorff  
operating vehicle for a period under  
jurisdiction of Cameron Mining Co. Elwood  
Canyon

Twilight Mine

Thompson 1917 - 1918 - 1919 - 1920 -  
will cost \$5000

Deitch Spring

Deitch Spring 1918 site - 1919

Jefferson Canyon - Drilled - 120 shaft

Twilight #1 - contiguous to

Rare Metals 320 acres \$250,000  
drilled out

Invest in conversion of mills.

See Tin mill - \$85,000

\$90,000

\$200,000 investment inactivity

Cameron 6

Don R. Wilson,

Harmony 3-6478

3217 Lowrey Road,

Hollywood 5-5131

Los Angeles 27, Cal.

Feed 0.06%  $U_3O_8$  Rec. of 80%  
in favor of 0.2% Concentrate

I 0.06%  $U_3O_8$  16 x  $U_3O_8$   
Rec. 80% = 0.96%  $U_3O_8$   
Value 0.96% @ \$3.50 per lb = 50 x 16 for  
development total \$3.84 per ton

II - if concentrate contained 0.3%  $U_3O_8$  value of  
= 6 lb @ 50% - loss 2% @ 25% premium  
total \$4.25.50 per ton or \$4.25 per lb  $U_3O_8$   
value of feed would be 0.96 lb x \$4.25 =  $U_3O_8$   
or \$4.08 per ton

III

Temp control, Rad mill, Pirone Classifier  
in quartz circuit, sand pump, cyclone  
Thickener, vacuum filter and under oil dryer

III

7 + 1/2 shift labor to Sept and operated V.C.P. mill

JACK DANIELS MINE

COCONINO COUNTY

NEAR CAMERON

Page Blakemore, Manager, Cameron Mining Co., Cameron, Ariz.

This property active Sept. 1960, Feb. 1961



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

May 20, 1958

To: Frank P. Knight, Director

From: Travis Lane, Field Engineer

Subject: Weekly report for week ending May 17, 1958

Monday Office details, active mine list and files.

Tuesday Conferred with Jack and Arthur Still in Prescott re status of mines in the region. Drove to Fredonia for ASMOA Conference. Only "Blondie" Jensen was in attendance. He reported that no mining work was in progress in the area. Mr. Jensen supplied the following information re the Hack's Canyon Uranium Mine. The property is owned by a partnership composed of Jensen and Pierson of Fredonia, Ray Pointer of Safford and the G. C. Howard Estate of Phoenix. The owners operated for a time in 1951-1952, and shipped approximately 1100 tons of .20 U<sub>3</sub>O<sub>8</sub> ore. Then Pointer leased from the other partners and performed some development, and made a small production. Next the property was leased to Wasatch Mining Co., who leased to U-rainbow Company. Each shipped about 50 tons of ore. The State Mine Inspector forced a shutdown of U-Rainbow, and when the company failed to correct unsafe working conditions and discontinued operations, the owners sued and after 3 years litigation recovered the property (in 1955). Rare Metals optioned the mine and drilled 6 holes (maximum depth 640') and relinquished in early 1958. At present Western Gold and Uranium Co. has a verbal option and is planning to make an economic evaluation. The road to the property is now impassable. The mine has been examined in the past by DMR and rather complete reports are available in the Department files.

Wednesday Stopped at Vermillion Cliffs and inquired re the Sun Valley Mine (formerly called Maggie Baker) now being actively developed by Ben-co Mining Co. of Los Angeles. Phillip H. McCrary is manager, and Ralph Haines is superintendent. The mine is located 1½ miles by road north from a point on Highway 89, 12 miles west of Navajo Bridge. The steep dirt road was too wet to reach the mine and an appointment was made to return next day.

Visited the Copper Mine on White Mesa, 22 miles southerly from Page. The property, formerly operated by the Mardin Company and more recently by Able Mining Co., was idle. Returned to Vermillion Cliffs via the Gap and Navajo Bridge.

Thursday Visited the Sun Valley Mine (noted above). Drifting was in progress from a 45 foot level in a recently completed shaft. The objective is a cluster of holes said to indicate a body of about 5,000 tons of .24%  $U_3O_8$  ore. The drift was in 195' with about 65' to go. The property comprises the Sun Valley claims 1 to 4, and the Jay Bird Claims 1 to 38. The mine is working 5 men. These people have applied for and expect DMEA assistance for further development.

Drove to Cameron and discussed activity in the area with Glenn Green, Supt. at the Jack Daniels Mine near Cameron, for Marcy-Shenandoah Corp. (formerly Marcy Exploration Co.) The mine has produced some 38,000 tons of ore and expects to exhaust its reserves in June with estimated shipments of about 1,000 tons for that month. Grade of ore .225%  $U_3O_8$ , average thickness 5 feet; and waste to ore ratio in the pit has been roughly  $2\frac{1}{2}$  to 1. The working force is 6 men.

Visited the Tuba City mill and discussed active mines and recent shippers with Mr. Runke, Manager for Rare Metals Corp. Returned to Cameron and visited Jim McFarland, Mine Superintendent for Rare Metals. Drove to Flagstaff and met Page Blakemore and arranged with him to cover the Cameron area next day.

Friday Inspected all independent active properties in Cameron area and some of the more important workings of Rare Metals Corp. in the company of Blakemore. Blakemore, in partnership with Steinberger as the Cameron Mining Co., conducts an engineering service and mining contract business. Blakemore does some mining for his own account, and Steinberger also conducts a contract drilling business for his own account. Checked the Department's active mine list, dated February 15, with Blakemore and made deletions, changes and additions thereto, in accordance with information furnished by him. Returned to Phoenix.

**DEPARTMENT OF MINERAL RESOURCES**  
**State of Arizona**  
**MINE OWNER'S REPORT**

Date February 11, 1958

1. Mine: Jack Daniels
2. Location: Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ Range \_\_\_\_\_ Nearest Town Cameron Distance 2 miles  
Direction North Nearest R.R. \_\_\_\_\_ Distance \_\_\_\_\_  
Road Conditions Good
3. Mining District and County: Coconino
4. Former Name of Mine: \_\_\_\_\_
5. Owner: Marcy-Shenandoah Corporation  
Address: Jarvis Building, Durango, Colorado
6. Operator: Marcy-Shenandoah Corporation  
Address: Jarvis Building, Durango, Colorado
7. Principal Minerals: Uranium
8. Number of Claims: Lode 1 Patented \_\_\_\_\_ Unpatented x  
Placer \_\_\_\_\_ Patented \_\_\_\_\_ Unpatented \_\_\_\_\_
9. Type of Surrounding Terrain: Flat
10. Geology and Mineralization: Chinle stream channel
11. Dimension and Value of Ore Body: 400' x 300' - 36,000 tons

Please give as complete information as possible and attach copies of engineer's reports, shipment returns, maps, etc. if you wish to have them available in this Department's files for inspection by prospective lessors or buyers.

(over)

12. Ore "Blocked Out" or "In Sight": Will be worked out by June 1, 1958

Ore Probable: Will be worked out by June 1, 1958

13. Mine Workings—Amount and Condition: Open pit

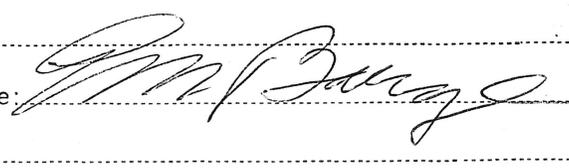
No.	Feet	Condition
Shafts.....		
Raises.....		
Tunnels.....		
Crosscuts.....		
Stopes.....		

14. Water Supply: None

15. Brief History: Began mining November, 1955

16. Remarks:

17. If Property for Sale, List Approximate Price and Terms:

18. Signature: 

Information from MINE INSPECTOR'S OFFICE - August 15, 1957

JACK DANIEL MINE, Cameron                      3 Claims                      URANIUM                      5-10-57

Owner: Nav. Ind. Council, Window Rock

Operator: ✓ MARCY EXPLORATION & MINING CO.

✓ S. Stokes                      Pres., Box 928 Durango, Colo.

✓ Fred Persell                      Mgr., Cameron, Ariz.

1000 tons Mo.                      4 men

L.A.S.

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Mine Jack Daniels #1 Indian Lease - Uranium Date April 20, 1956  
District 2 m. north of Cameron adjoining Hiway Engineer Mark Gemmill  
Subject: Preliminary Examination

The property is being operated by the Marcy Exploration and Mining Co,  
S. Stokes Tomlin, Pres. Glen Green Supt. 32 Navajo Rd. Flagstaff, Arizona

in  
The ore deposit is/a flat bed of sedimentary sand and clay hardly cemented  
together. This underlies several feet of soil. The ore is from 4 to 6 ft thick.  
The minerals are Autinite and Carnotite.

Mining is accomplished by removing the soil overburden with a bulldozer, after  
which the ore can be dug with a front end loader. It is found better however  
to drill and blast first as it makes the loading much easier.

The company claim to have about 40,000 tons of ore developed which will average  
.27 ~~U3O8~~ % U3O8. About 80 tons per day is presently being mined and shipped to  
Tuba City.

The property is well equipped with good machinery. It appears to be a very pro-  
fitable operation as two or three men are all that are needed to produce the  
amount of ore being shipped.

MARCY EXPLORATION & MINING CO.,  
32 Navajo Road,  
Flagstaff, Arizona

JACK DANIELS #1 INDIAN LEASE - 2 Mi. N of Cameron adjoining Hiway,  
Operated by Marcy Exploration and Mining Company, S. Stokes Tomlin,  
Pres., Glen Green, Supt. Coconino County.  
4/20/56