

CONTACT INFORMATION

Mining Records Curator Arizona Geological Survey 1520 West Adams St. Phoenix, AZ 85007 602-771-1601 http://www.azgs.az.gov inquiries@azgs.az.gov

The following file is part of the

Arizona Department of Mines and Mineral Resources Mining Collection

ACCESS STATEMENT

These digitized collections are accessible for purposes of education and research. We have indicated what we know about copyright and rights of privacy, publicity, or trademark. Due to the nature of archival collections, we are not always able to identify this information. We are eager to hear from any rights owners, so that we may obtain accurate information. Upon request, we will remove material from public view while we address a rights issue.

CONSTRAINTS STATEMENT

The Arizona Geological Survey does not claim to control all rights for all materials in its collection. These rights include, but are not limited to: copyright, privacy rights, and cultural protection rights. The User hereby assumes all responsibility for obtaining any rights to use the material in excess of "fair use."

The Survey makes no intellectual property claims to the products created by individual authors in the manuscript collections, except when the author deeded those rights to the Survey or when those authors were employed by the State of Arizona and created intellectual products as a function of their official duties. The Survey does maintain property rights to the physical and digital representations of the works.

QUALITY STATEMENT

The Arizona Geological Survey is not responsible for the accuracy of the records, information, or opinions that may be contained in the files. The Survey collects, catalogs, and archives data on mineral properties regardless of its views of the veracity or accuracy of those data.

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: BUCKEYE WASH AREA URANIUM

ALTERNATE NAMES:

COCHISE COUNTY MILS NUMBER: 925

LOCATION: TOWNSHIP 12 S RANGE 29 E SECTION 10 QUARTER SE LATITUDE: N 32DEG 24MIN 01SEC LONGITUDE: W 109DEG 22MIN 03SEC

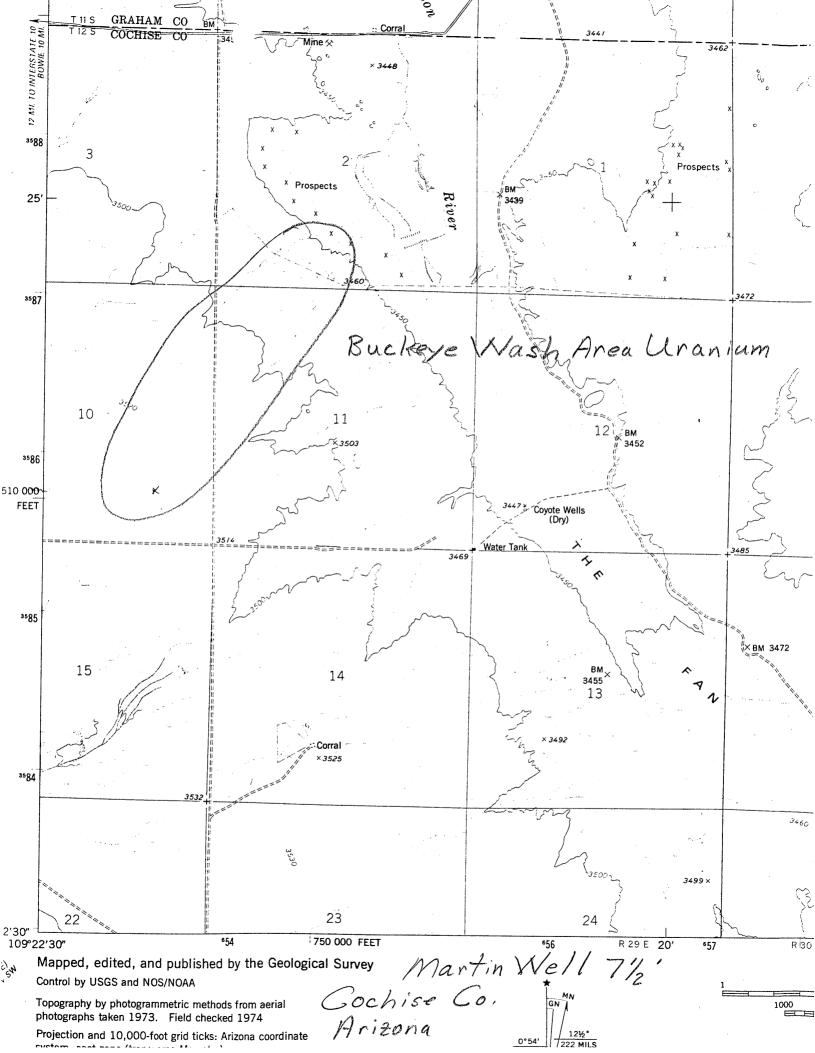
TOPO MAP NAME: MARTIN WELL 7.5 - MIN

CURRENT STATUS: EXP PROSPECT

COMMODITY: URANIUM

BIBLIOGRAPHY:

ADMMR BUCKEYE WASH AREA URANIUM FILE (1 OF 3) CONTAINING GENERAL INFORMATION & REPORTS ADMMR BUCKEYE WASH AREA URANIUM FILE (2 OF 3) CONTAINING GEOPHYSICAL DATA ADMMR BUCKEYE WASH AREA URANIUM FILE (3 OF 3) CONTAINING DRILL LOG DATA





INTERNAL C. RESPONDENCE

METALS DIVISION

P.O. BOX 1029, GRAND JUNCTION, COLORADO 8150

To (Name) Division

John Lastra

Location

Copy to

GFY/file

January 30, 1979

Originating Dept. Land Dept.

Answering letter date

subject Arizona Pros. Permits #2578, 2580

Dear John:

Please note the enclosed requirement by the State Land Office to provide information regarding drilling, logs of surveys, etc., for any permits

Please forward the necessary information to me so that I may forward it

Thanks for your help.

Sincerely yours,

Joyce Trantina

JT/cw

Enc.

Grouping of Work Requirements

Under the former law all work had to be performed within the boundaries of a single permit. Because of this restriction, where a permittee held contiguous permits, attempts were sometimes made to perform work on the boundary line. The change in the law now permits the application of excess expenditures from one permit to be used for contiguous permits so long as the permits can be included within a square measuring three miles on a side.

Carry Forward of Expenditures

Where work in excess of the expenditure requirements is performed, the permittee may now carry such excess expenditures forward to the next and succeeding permit years.

Cash Payments

If the permittee is unable or unwilling to expend funds for exploration, the option is now available to make a cash payment to the State Land Department of the amount required in exploration expenditures in lieu of performing the work.



Information Required Upon Termination

Upon termination of a prospecting permit, the permittee is now required to submit to the State Land Department information concerning drilling, including the total depth, lithologic logs and logs of surveys including "gamma ray, resistivity, caliper and deviation surveys." No chemical assays are required and the information is kept confidential for a one-year period. In addition, the permittee may request that the information be held confidential for an additional one-year period.

Drill Hotes
T.D.
Lith Log
Elags.

TWO YEARS.

2578 3588

GEOLOGIC SETTING OF BUCKEYE WASH

PROJECT OF

UNION CARBIDE CORPORATION

IN THE

SAN SIMON VALLEY OF ARIZONA

By: J.P. Lastra

Date: April 13, 1977

Union Carbide Corporation began preliminary field reconnaissance in the San Simon Valley, Arizona during the fall of 1974. Detailed field investigations in the form of soil, outcrop and water sampling began in the spring of 1976. In addition, ERTS studies and Track Etch surveys have been conducted over portions of the basin. Airborne radiometric data and geophysical information has also been collected and examined for the San Simon Valley. Presently, Union Carbide Corporation holds prospecting permits on 3060.4 acres of State land in the San Simon Valley, Cochise County, Arizona.

The San Simon Valley is part of a northwest structural trend extending from Globe, Arizona to Rodeo, New Mexico. The area exhibits typical features of the Basin and Range Province, with uplifted fault block ranges surrounding the down dropped valley. Basin sediments consist of a sequence of younger and older alluvial deposits, with the older deposits usually referred to as the Gila conglomerate (Group). The Gila conglomerate is of Pliocene-Pleistocene age and exhibits a thickness of 2,500 to 4,000+ feet. In general, the sediments are of a lacustrine and fluvial nature. In conjunction with this deposition, intervals of volcanic activity resulted in the accumulations of tuffaceous sequences within the basin. Continued subsidence of the basin and deposition of material into the basin has resulted in a tremendous thickness of interfingering gravels, sands, silts, clays as well-as intercalated basalt flows and tuff beds. Additionally, periods of lacustrine environments have yielded marl and limestone sequences. Such sedimentary sequences as well as possible angular unconformities caused by continued subsidence suggest the basin sediments as a possible host for uranium deposition. North of the area of interest a carnotite type mineral is present along fractures of interbedded clays and tuffs of the Gila Group. Similarly, several vein type occurrences are noted in the surrounding highlands.

As stated, a Track Etch survey was conducted over portions of the San Simon Valley. From this survey an elongate north-south trending high was located in the vacinity of the UCEX property. However, to date, no drilling has been done to evaluate this high. During 1977 initial drilling and additional geochemical sampling are planned in the area.



UNION CARBIDE CORPORATION METALS DIVISION

P. O. BOX 1029, GRAND JUNCTION, COLORADO 81501



November 29, 1976

State Land Department 1624 West Adams Phoenix, AZ 85007

re: Applications for Mineral Prospecting Permits

Gentlemen:

Enclosed is our check #64248 in the amount of \$125.00 which will cover the cost of filing fees for the enclosed five Applications for Mineral Prospecting Permits for lands in Cochise County, Arizona.

If you have any questions regarding these applications, do not hesitate to get in touch with me by calling collect (303) 242-0074.

Sincerely yours,

Guy L. Scarborough, Jr. Landman

GLS/cw

Encs. cc: W. A. Street

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Copy to



INTERN. CORRESPONDENCE

Albuquerque

METALS DIVISION

To (Name) Mr. Bill Street Division



Date November 15, 1976

Originating Dept. Land Department

Answering letter date

Subject

Dear Bill:

Enclosed are copies of Applications for Mineral Prospecting Permits for the state of Arizona. I had intended to complete the forms and return them myself but most of the questions can only be answered by your office. I have also enclosed copies of the Bowie Topo Quad which are requested as attachments to the permit application.

After you complete and sign the application, please return them to me and I will draw the check to accompany the applications. I will then return them to Phoenix for processing.

The permits are issued for one year with the right to renew for 4 additional years. Rentals are \$2.00 per acre per year and a \$2000.00 bond is required by the state. After receiving notice of the status of our application, approved or disapproved, we have fifteen days to remit the annual rental amount or forfeit our prospecting permit.

If you have any questions, please call me.

Respectfully,

Guy L. Scarborough, Jr.

Landman

GLS/cw Encs.

P. S. I just received word from our attorney in Phoenix (thru Gene Yoder) that we should specify "uranium and/or zeolite" as the minerals we are looking for in question #8 of the application.

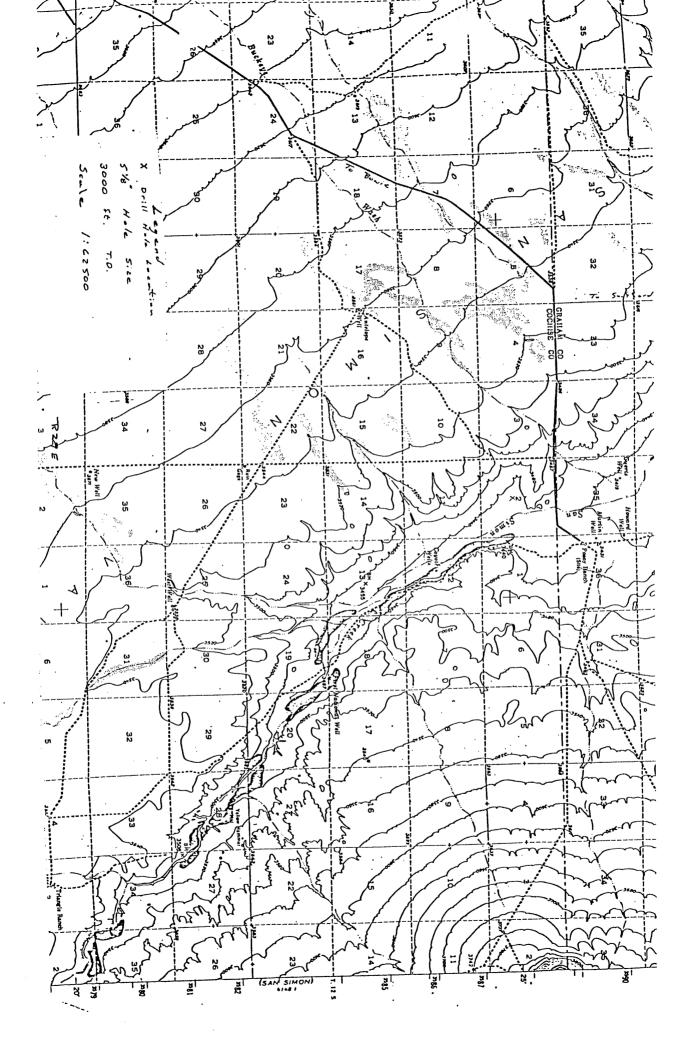
. This application mus accompanied by \$25.00 filing fee. .. Applications must cover more than ONE section.

. All questions must be answered.

1. Attach a scaled plat for answers to numbers 4, 5, 7, 8. (Preferably a U.S.G.S. Topo Map.)

STATE LAND DEPARTMENT 1624 West Adams Phoenix, Arizona 85007

	APPLICA	LION FOR WII	NERAL PROSPE	CIING PEKMII	•
ı/wı	<u>Union Carbide Co</u>	rporation ·			
	P. O. Box 1029	Grand June	(Name) tion, CO 8150	1 ((303) 245-3700
of	r. U. BUX 1029	Grand June	(Address)		(Telephone Number)
here Ariz the sary forn LEC	ereby make application inafter described, in a ona Revised Statutes, sterms of the permit. So, and to follow whatever the contaminations from contaminations of the permit of the contamination of the	ccordance wit uch rules and Submit any add er steps that n tion. SECTION	exploration or p the provisions regulations as to itional information ay be prescribe 12S TOWNSHIP	ne Commissioner on the Commiss of to protect the 29E 499.89	r may prescribe and cioner deems neces-fresh water-bearing Cochise COUNTY GRANT
					
		·			
1.	State whether inidividua	1, partnership	or corporation:	Corporation	
2.	If an individual, are yo	a citizen of the	ne United States	?Age	Married?
-	a				es-It is believed
3.	Are there valid minera that prospecting perm	l locations, cla	ums or leases o	the section not	included herein.
	Are there any abandone	d workings on	this Section? S	cattered prospect	pits related to
	past exploration fo	r zeolite.	• •		
5.	Will it be necessary to	cross other St	ate Lands to rea	ch the land under	r application?
	No-Present roads allo	w access to thi	s section.		
	Are there improvement Section is partially	tencea.			
7.	Indicate on plat the rou	tes of ingress	and egress to la	nd under applicat	tion.
8.	Indicate primary type of Uranium and/or zeolit	е			cted.
9.	What is the anticipated 3,000 ft.				
10.	Which type mining operand/or mineral? Oper	Pit	Underground	X in situ	or removal of ore leaching
11.	Indicate the type of exp	oloratory meth	od or methods to	be employed:	•
b	1 t	ype)	Geologica Iocation(s) feet ation on plat, the ing shall be com	ol (X) Geoche to nearest Sect e elevation, hole menced without howing above info	Specify emical (X) ion lines on plat. In- size, and anticipated written approval from ormation shall be filed
		C	ERTIFICATION		
I/\\\he	WE hereby certify under	er penalty of p st of (my/our)	erjury that the knowledge and b	information con elief true, corre	tained and statements ct and complete.
; D-	ted this day (of.	. 19		
υa	ted thisday	•		Applic	ant
	1	54100		By:	
:	۵ . ۵	119/196		<i>ـــر</i>	
	207	/1911			
1 47	·73	•		Addre	: S S



- 1. This application mu be accompanied by \$25.00 filing fee.
- 2. Applications mus' cover more than ONE section.
- 3. All questions mus e answered.
- 4. Attach a scaled plat for answers to numbers 4, 5, 7, 8. (Preferably a U.S.G.S. Topo Map.)

STATE LAND DEPARTMENT 1624 West Adams Phoenix, Arizona 85007

APPLICATION FOR MINERAL PROSPECTING PERMIT Union Carbide Corporation I/WE (Name) Grand Junction, CO 81501 (303) 245-3700 (Telephone Number) (Address) do hereby make application for a mineral exploration or prospecting permit on the State Lands hereinafter described, in accordance with the provisions of Title 27, Chapter 2, Article 4, Arizona Revised Statutes; such rules and regulations as the Commissioner may prescribe and the terms of the permit. Submit any additional information the Commissioner deems necessary, and to follow whatever steps that may be prescribed to protect the fresh water-bearing 29E 640.0 Cochise 12S formations from contamination. SECTION TOWNSHIP RANGE ACRES COUNTY GRANT LEGAL DESCRIPTION: Section 3: All 1. State whether inidividual, partnership or corporation: Corporation 2. If an individual; are you a citizen of the United States? Married? Single? 3. Are there valid mineral locations, claims or leases on this Section? Are there any abandoned workings on this Section? Scattered prospect pits related to past exploration for zeolite. Will it be necessary to cross other State Lands to reach the land under application? No-Present roads allow access to this section. 6. Are there improvements or crops on the land under application? Section is partially fenced. 7. Indicate on plat the routes of ingress and egress to land under application. Indicate primary type of mineral for which exploration is being conducted. Uranium and/or zeolite. What is the anticipated depth to the top of the ore body? 3,000 ft. Which type mining operation do you anticipate for the extraction and/or removal of ore and/or mineral? Open Pit Underground X in situ leaching 11. Indicate the type of exploratory method or methods to be employed: a. EXCAVATIONS: Backhoe (X) Bulldozer (X) Other () Specify Geological (x) Geochemical (X) b. GEOPHYSICAL: (type) c. DRILLING: (X) Location: Show location(s) feet to nearest Section lines on plat. Indicate each location on plat, the elevation, hole size, and anticipated T/D. (No drilling shall be commenced without written approval from the Department; a scaled plat showing above information shall be filed with the request for such approval.) CERTIFICATION I/WE hereby certify under penalty of perjury that the information contained and statements herein made are to the best of (my/our) knowledge and belief true, correct and complete. day of Dated this Applicant 47- -73 Address

- This application must accompanied by \$25.00 filing fee.
 Applications must aver more than ONE section.

 All questions must answered.

1. Attach a scaled plat for answers to numbers 4, 5, 7, 8. (Preserably a U.S.G.S. Topo Map.)

STATE LAND DEPARTMENT 1624 West Adams

Phoenix, Arizona 85007 APPLICATION FOR MINERAL PROSPECTING PERMIT

I/WE Union Carbide Corporation	
P. O. Box 1029 Grand Junction, CO 81501	. (303) 245-3700
(Address)	(Telephone Number)
do hereby make application for a mineral exploration or prospect hereinafter described, in accordance with the provisions of T Arizona Revised Statutes, such rules and regulations as the Con the terms of the permit. Submit any additional information the sary, and to follow whatever steps that may be prescribed to p formations from contamination. 12S 29E	title 27, Chapter 2, Article 4, nmissioner may prescribe and e Commissioner deems necestrotect the fresh water-bearing 640.0 Cochise
LEGAL DESCRIPTION: SECTION TOWNSHIP RANGE	E ACRES COUNTY GRANT
Section 14: All	
 State whether inidividual, partnership or corporation: Co	Age Married?
4. Are there any abandoned workings on this Section? <u>Scatter</u> past exploration for zeolite.	ed prospect pits related to
5. Will it be necessary to cross other State Lands to reach the No-Present roads allow access to this section.	land under application?
6. Are there improvements or crops on the land under applicat Section is partially fenced.	ion?
7. Indicate on plat the routes of ingress and egress to land under	
 Indicate primary type of mineral for which exploration is be Uranium and/or zeolite. 	ing conducted.
9. What is the anticipated depth to the top of the ore body? 3.	000 ft
 Which type mining operation do you anticipate for the extraction and/or mineral? Open Pit Underground χ other 	tion and/or removal of ore in situ leaching
1. Indicate the type of exploratory method or methods to be em	ployed:
a. EXCAVATIONS: Backhoe (X) Bulldozer (X) Oth b. GEOPHYSICAL: (type) Geological (X) c. DRILLING: (X) Location: Show location(s) feet to nea dicate each location on plat, the eleva T/D. (No drilling shall be commenced the Department; a scaled plat showing with the request for such approval.)	Geochemical (X) arest Section lines on plat. In- tion, hole size, and anticipated d without written approval from
CERTIFICATION	•
I/WE hereby certify under penalty of perjury that the inform herein made are to the best of (my/our) knowledge and belief tr	
Dated thisday of, 19	Applicant
	Ву:
4773	Address

- . This application must 'accompanied by \$25.00 filing fee. Applications must no ver more than ONE section.
- . All questions must be answered.
- . Attach a scaled plat for answers to numbers 4,5,7,8. (Preferably a U.S.G.S. Topo Map.)

STATE LAND DEPARTMENT 1624 West Adams Phoenix, Arizona 85007

APPLIC VEUnion_Carbide		NERAL PROSPEC	TING PERMIT	
P. O. Box 1029	• •	(Name) ction, CO 81501		(202) 0/5 0700
		(Address)		(303) 245-3700 (Telephone Number)
hereby make applicati reinafter described, in izona Revised Statutes terms of the permit. ry, and to follow what	n accordance wit; such rules and Submit any add ever steps that r	th the provisions of regulations as the ditional information may be prescribed	of Title 27, Cl Commissioner the Commiss to protect the	hapter 2, Article 4, may prescribe and ioner deems neces- fresh water-bearing
mations from contami GAL DESCRIPTION:	nation. SECTION		29E 499.89 NGE ACRES	
ection 2: Lots 1,				COUNTY GRANT
State whether inidivid	ual partnership	or corporation: Co	orporation	`t.
If an individual, are y Single?			Age	Married?
Are there valid miner	ral locations, cla	ims or leases on t	his Section? Ye	es-It is believed
that prospecting pe	rmits are held on	that portion of th	ne section not	included herein.
Are there any abando past exploration	ned workings on. for zeolite.	this Section? Scat	ttered prospect	pits related to
Will it be necessary t No-Present roads al	o cross other States to the control of the control	ate Lands to reach s section.	the land under	application?
Are there improveme Section is partial!	ents or crops on		ication?	
Indicate on plat the ro Indicate primary type	outes of ingress	and egress to land	under applicati	on.
Uranium and/or zeol	ite	wnich exploration i	s being conduct	ed.
What is the anticipate 3,000 ft.	d depth to the to	p of the ore body?		
Which type mining op and/or mineral? Ope other	eration do you ar en Pit	nticipate for the exUnderground)	traction and/o	r removal of ore leaching
Indicate the type of ex	xploratory metho	od or methods to be	employed:	
a. EXCAVATIONS: b. GEOPHYSICAL: c. DRILLING: (X)	(type) Location: Show dicate each loca T/D. (No drilli the Department;	Geological (location(s) feet to tion on plat, the el ng shall be comme	levation, hole s nced without w ing aboveinfor	Specify
	CE	ERTIFICATION		
VE hereby certify und rein made are to the bo	ler penalty of pe est of (my/our) k	erjury that the info	ormation conta of true, correct	ined and statements
ted thisday		. 19		
	1 at	-	Applica	nt
Signe	BILL STIE	•	Ву:	
By	1/19/76			•
73		•	Address	



INTERNAL CORRESPONDENCE

METALS DIVISION

RECEIVED NOV 18 1976
Albuquerque Office

P.O. BOX 1029, GRAND JUNCTION, COLORADO 81501

To (Name) Mr. Bill Street

Location

Date November 15, 1976

Originating Dept. Land Department

Answering letter date

Subject

Copy to

Dear Bill:

Enclosed are copies of Applications for Mineral Prospecting Permits for the state of Arizona. I had intended to complete the forms and return them myself but most of the questions can only be answered by your office. I have also enclosed copies of the Bowie Topo Quad which are requested as attachments to the permit application.

After you complete and sign the application, please return them to me and I will draw the check to accompany the applications. I will then return them to Phoenix for processing.

The permits are issued for one year with the right to renew for 4 additional years. Rentals are \$2.00 per acre per year and a \$2000.00 bond is required by the state. After receiving notice of the status of our application, approved or disapproved, we have fifteen days to remit the annual rental amount or forfeit our prospecting permit.

If you have any questions, please call me.

Respectfully,

Guy L. Scarborough, Jr.

Landman

GLS/cw Encs.

P. S. I just received word from our attorney in Phoenix (thru Gene Yoder) that we should specify "uranium and/or zeolite" as the minerals we are looking for in question #8 of the application.

REQUEST FOR ACQUISITION

Property Name	Buckeye Wash	Type of Prope	erty Minerals
	State of Arizona		
Surface Owners			
_		All of Sections 3, 10, 11, 1	4 T12S R29E
		on 2 T12S R29E; E 1/2 NE 1/4	
Gross Acres	3060.40 (approx.)	Minerals to be acquire	ed Uranium and Others
Terms of Lease	or acquisition proposal	: (maximum) Prospecting Pe	rmits - State of Arizona
Term	Rental	Bonus	
		Production royalty	
Work Commitment		•	
		equired, difficult surface or	wners, etc.)
of the Plioc	ption: An estimated 40 ene-Pleistocene Gila Gr San Simon Basin.	000 + feet of lacustrine and coup deposited within the act	fluvial sediments ively subsiding
Economic Potent	ial and Justification:		
Economic pot gravel, and together wit	ential is indicated by	the reported presence of poor tuff beds and lacustrine lin ted below.	
Depth: 3000' f	t. Stratigraphic Test S	ites	
Minability; UG	or Surf.: Underground		
22 miles nor Drilling Cost: \$6.00-\$8.00/	thwest (Sec. 21, 22, 23 Anomaly in Vicinity. ft. Possible higher cos	ization is noted within the (T8S, R28E) of the area of ints if artesian water flows entequired during initial stage.	nterest. Track-Etch
•		D - 4 - 4	
	•	Data.	
Approved by: Rejected by:		Date:	
Kelected by.			

State of Arizona Bureau of Geology and Mineral Technology

Geological Survey Branch Geothermal Group845 N. Park Ave., Tucson, Arizona 85719 (602) 884-4391



October 16, 1978

Mr. Tony Kovschak Regional Geologist Union Carbide Corporation P.O. Box 1029 Grand Junction, CO 81501

Dear Mr. Kovschak:

I contacted you early last year in conjunction with probing your exploration holes for heat flow measurements. You were most cooperative in giving permission to do so, but I had singular ill—luck in getting together with you at that time. As I recall, I was unable to be on hand when you reached TD in one well in Buckeye Wash and the second well caved. I would like to know whether you presently have available any holes near Safford, Bowie or Willcox which I could probe in the next few months?

We now have 3000 ft. of cable rather 1800 ft. so can probe deeper wells. A bottom-hole temperature in a recently-drilled well would require about one hour. A deep well which has returned to thermal equilibirum (unused for about four to six months) could be successfully probed at 5m intervals and might take up to six hours.

Very truly yours,

Naudia Stone Fic

Claudia Stone Geologist

CS/tc

REPLY TO: 2045 North Forbes Blvd.

Suite 106

Tucson, Arizona 85704



UNION CARBIDE CORPORATION

METALS DIVISION

P. O. BOX 1029, GRAND JUNCTION, COLORADO 81501 TELEPHONE (303) 245-3700

October 20, 1978

Ms. Claudia Stone Bureau of Geology and Mineral Technology Geothermal Group 845 N. Park Avenue Tucson, AZ 85719

Dear Ms. Stone:

I am sorry to inform you that we have suspended plans for any deep drilling in the Safford area. The planned program for last year was completed on schedule but without any encouraging results.

If for some reason our plans change we will contact you in regards to probing.

Regards,

A. A. Kovschak

AAK:km

INTERNAL CORRESPONDENCE

METAL DIVISION

1820 SAN PEDRO N.E., SUITE 11, ALBUQUERQUE, NEW MEXICO 87110

To (Name) Division Location

A. A. Kovschak Metals Grand Junction, Colorado Date

April 13, 1978

Originating Dept.

J. P. Lastra

Answering letter date

Subject

Preliminary Summary and Recommendations: Buckeye Wash, Arizona

The Buckeye Wash project consists of 5 Arizona State Prospecting

Permits covering some 3060 acres in Cochise County, Arizona. The

Buckeye Wash property is approximately 40 miles southeast of Safford,

Arizona and is located in the vicinity of UCC's Bowie zeolite operation.

The Buckeye Wash property is located in the San Simon Valley of southeastern Arizona. The potential host is the fluvial deposits within the Pliocene-Pleistocene Gila Group. The sediment sequence encountered on the Buckeye Wash property is composed of lacustrine clays, silts, marls and thin limestones overlying extensive immature alluvial fan deposits. Underlying the poorly sorted, subangular gravels and sands which compose the fan deposits are the fluvial A-sand and a sequence of intercalated rhyolitic flows, tuffs, and detrital volcanic gravels.

Structurally the San Simon Valley represents a down dropped block bounded on each side by uplifted ranges of a typical Basin and Range character.

Copy to

Subject: Preliminary Summary and Recommendations: Buckeye Wash, Arizona

During 1977 and 1978 five holes were drilled on the Buckeye Wash property. Total footage drilled during this time was 8319 feet with hole depths ranging from 1200 feet to 2005 feet. Of the 5 holes drilled, 2 holes exhibited anomalous (2 X Bkgd.) mineral and three holes proved to be barren. The anomalous (2 X Bkgd.) mineral was observed in a distinct sand unit termed the A-sand. The A-sand is underlain by a siltstone sequence, however locally the A-sand appears to rest on the lower detrital volcanic and rhyolitic flow sequence.

1978 drilling outlined the presence of an east-west trending fault system across the Buckeye Wash property. Faulting of units below the lacustrine sequence, to include faulting of the A-sand, was noted.

In summary, 1977-78 drill results and related data indicate the presence of an immature, complexly faulted sediment sequence with only one apparent target zone (A-sand). The target zone itself is still lithologically untested; relatively thin (9' to 50' maximum); adjacent to a volcanic sequence capable of explaining anomalous mineral observed; relatively deep (1000' to 1461') and represents rocks of a relatively young age (Pliocene-Pleistocene). Based on information gathered to date, it is doubtful that deposits of an economic size or grade compatible to UCC established guidelines can be developed on the Buckeye Wash property.

It is recommended that the Buckeye Wash property be excluded from further exploration programs and that the 5 Arizona State Prospecting Permits not be renewed. However, prior to the expiration date (1/19/79)

Subject: Preliminary Summary and Recommendations: Buckeye Wash, Arizona

of said prospecting permits it is recommended that the Buckeye Wash property be reviewed by the appropriate department for potential zeolite reserves.

ARIZONA - 827 Project

Buckeye Wash

The project consists of five Arizona State Prospecting Permits, covering some 3,060 acres in the San Simon Valley, Cochise County, Arizona. The potential host is the Tertiary Gila Group. Drilling of two non-core rotary drill holes in 1977 indicated an apparent anomalous and zone. Drilling for 1978 is intended to further evaluate the anomalous zone, as well as the potential of adjacent units.

		(SM)
Α.	Drilling 6 holes for a total of 10,800 feet at \$10.50 per foot	114
В.	Geologic support costs	11
	Project Total	125

PRINTED: 12/11/2002

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: BUCKEYE WASH AREA URANIUM

20+5

ALTERNATE NAMES:

COCHISE COUNTY MILS NUMBER: 925

LOCATION: TOWNSHIP 12 S RANGE 29 E SECTION 10 QUARTER SE LATITUDE: N 32DEG 24MIN 01SEC LONGITUDE: W 109DEG 22MIN 03SEC

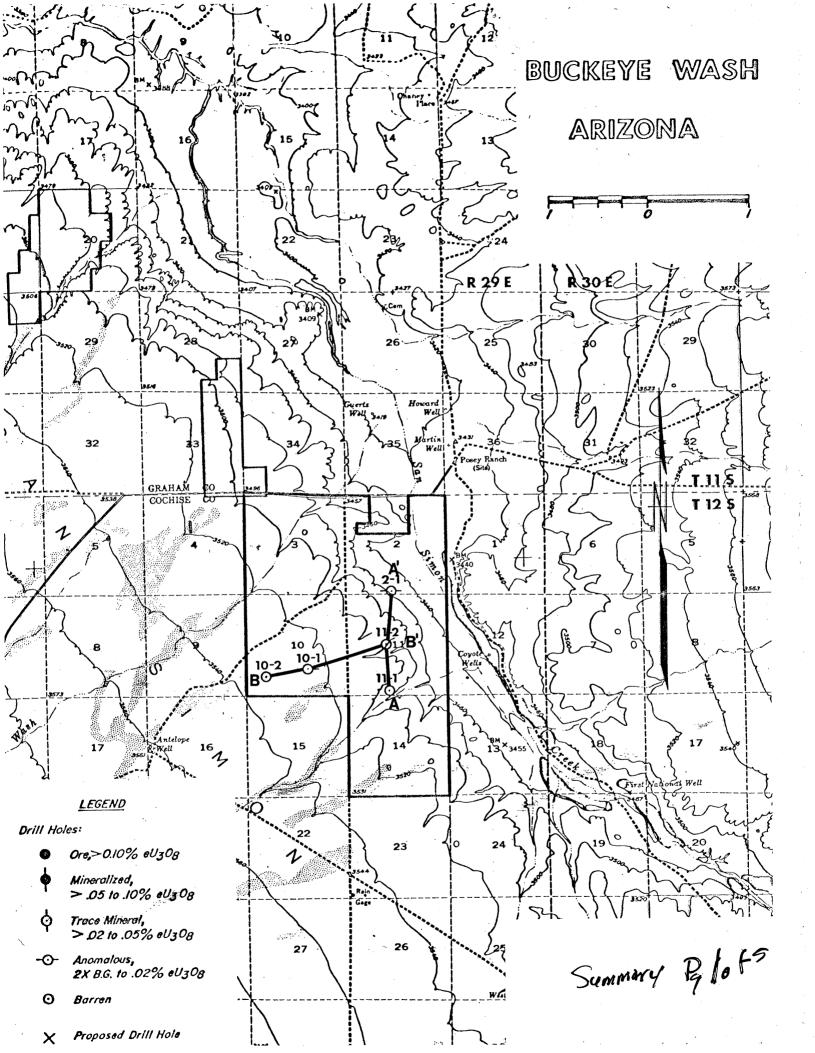
TOPO MAP NAME: MARTIN WELL 7.5 - MIN

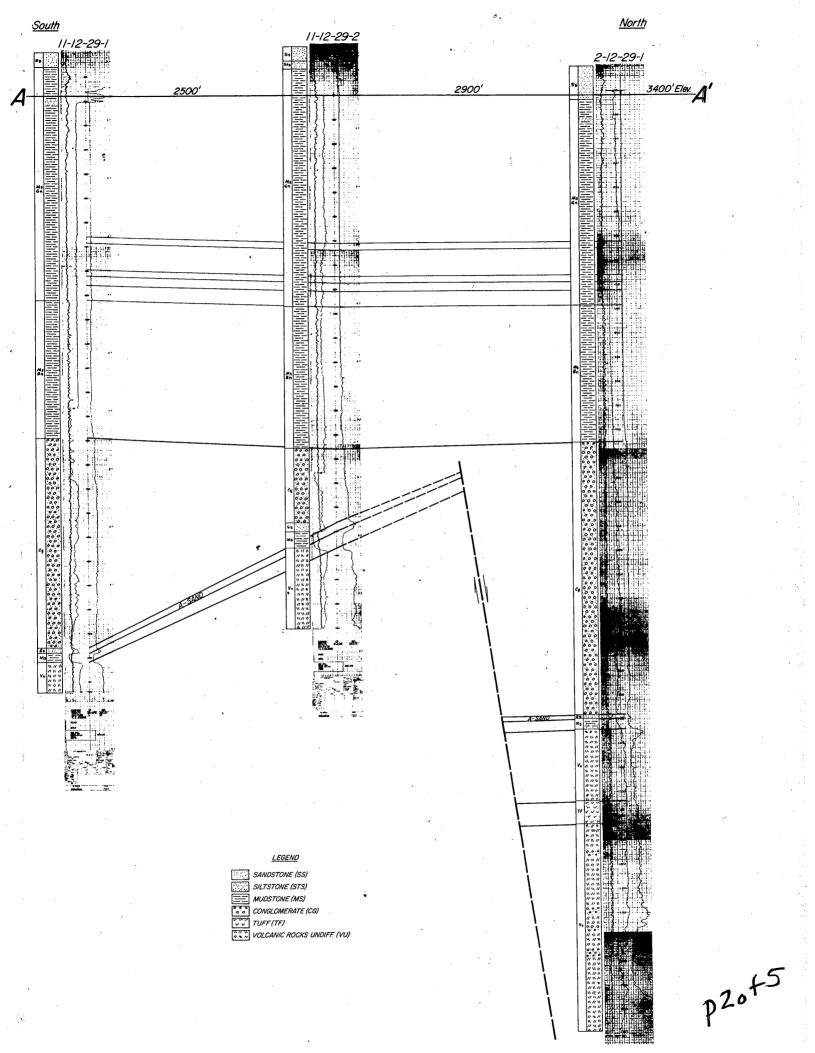
CURRENT STATUS: EXP PROSPECT

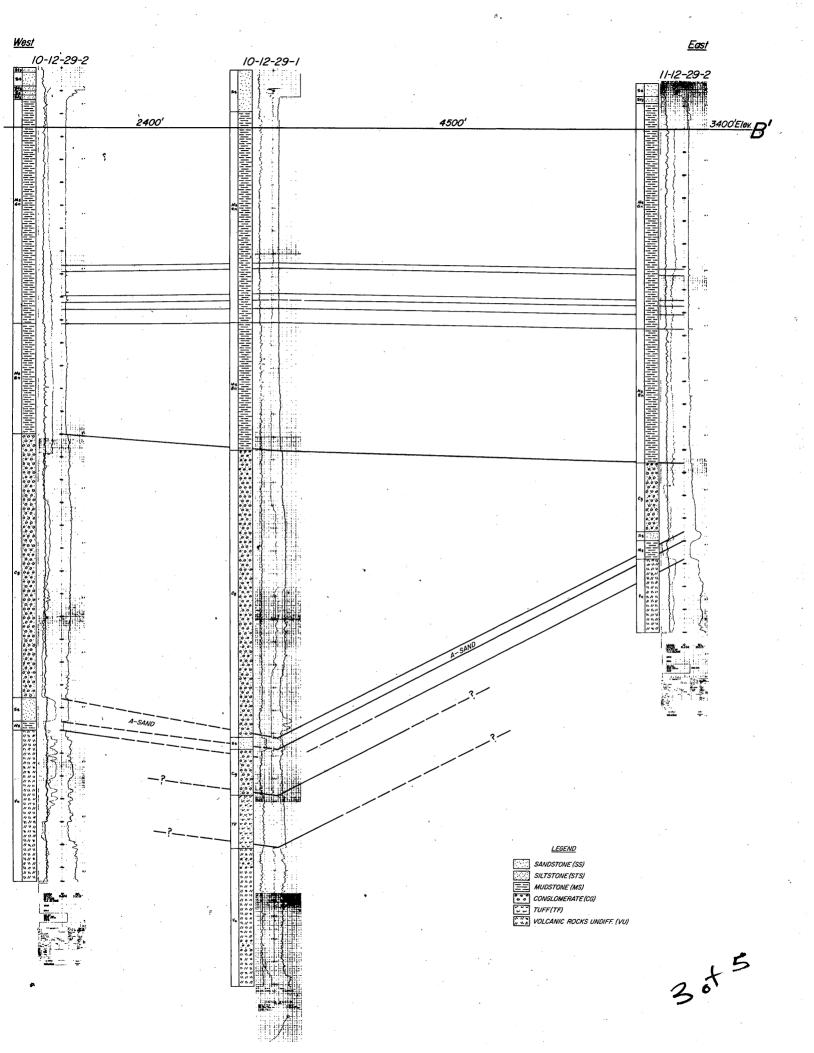
COMMODITY: URANIUM

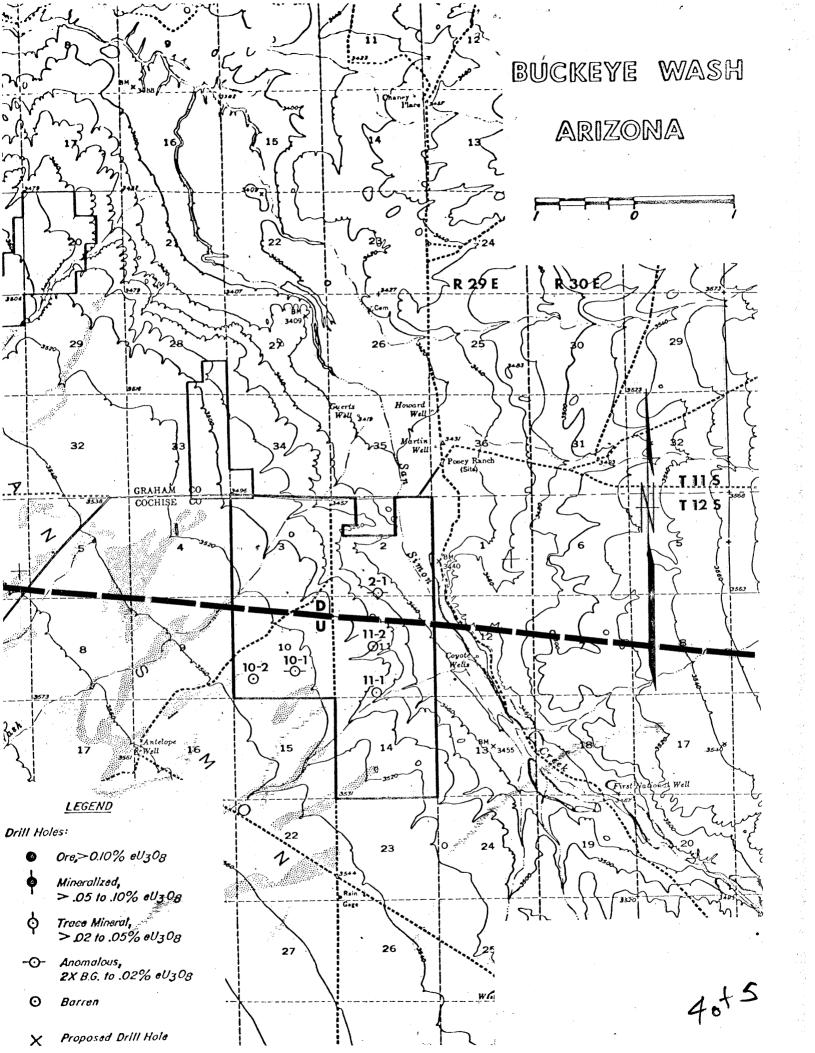
BIBLIOGRAPHY:

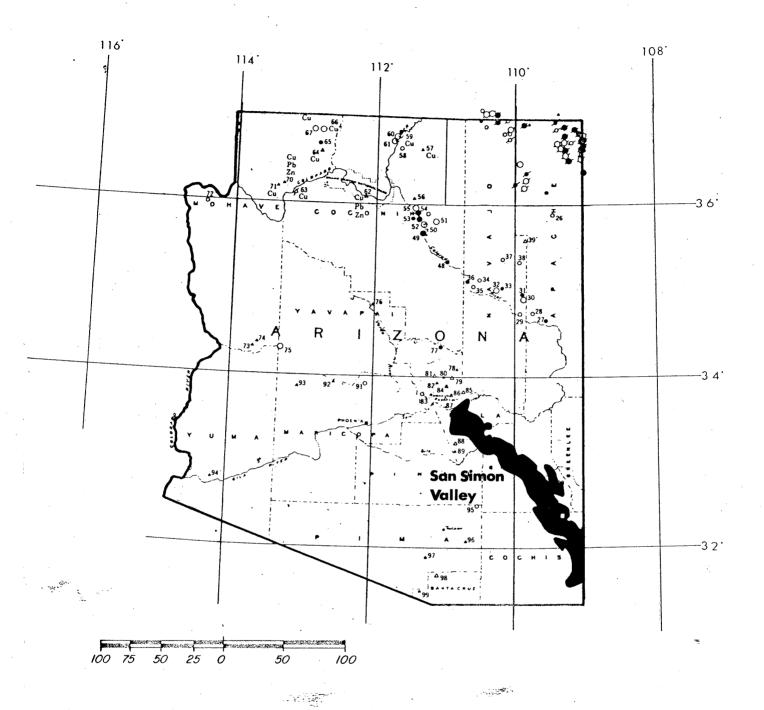
ADMMR BUCKEYE WASH AREA URANIUM FILE (1 OF 3) CONTAINING GENERAL INFORMATION & REPORTS ADMMR BUCKEYE WASH AREA URANIUM FILE (2 OF 3) CONTAINING GEOPHYSICAL DATA ADMMR BUCKEYE WASH AREA URANIUM FILE (3 OF 3) CONTAINING DRILL LOG DATA











ARIZONA

SEDIMENTARY URANIUM OCCURRENCES (U.S.G.S.P.P. 538)

