DMEA Form 9
Rev. 6/57

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

50 070

OFFICIAL DOCKET FILE

Idm-E NO. _____

DMEA NO. 4863

Application
- [x] Denied
- [ ] Withdrawn

Contract
- [ ] Terminated - Not Certified
- [ ] Terminated - Certified
- [ ] Cancelled
- [ ] Royalty Agreement

The records contained in this file are marked (x) and arranged in this order:

Folder No. 1:

Left Side

- [ ] Royalty Audits
- [ ] Certification of Discovery
- [ ] Closing Letter
- [ ] Cost Audits
- [ ] Termination Notice or Agreement
- [ ] Recision Notice
- [ ] Assignment of Contract
- [ ] Contract Amendments
- [ ] Contract with all exhibits and annexes
- [ ] Owner's Consent to Lien and Subordination Agreement
- [x] Application and attachments BIDS

Right Side

- [x] Project summary (final)
- [ ] Work Completed analysis (final)

All other material filed in chronological order including the following reports if checked:

- [ ] Field Team Semi-Annual Report for Certified Project
- [ ] Final Field Team Report (Tab)
- [ ] Operator's Final Report (Tab)
- [ ] Interim Field Team Reports
- [ ] Operator's monthly reports and all attachments
- [x] On-site Exam Report (Tab)
- [ ] Settlement Sheets
- [ ] Drill Logs

Additional Folders:

Left Side

Folders No. _____: Reports

- [ ] Analysis of Semi-Annual Inspection Reports
- [ ] Project Summary (Interim) by DMEA Engineers

Right Side

- [ ] Field Team Semi-Annual Report for Certified Project
- [ ] Field Team Interim Reports
- [ ] Operator's Monthly Reports with transmittal, narrative and maps.

Folders No. _____: Maps (Use pocket folder or envelope)

Folders No. _____: Settlement Sheets

Folders No. _____: Drill Logs

Folders No. _____: Royalty material

17963

Gustafson Manufacturing Company, Inc.

Manufacturers of

ROW-CROP, ORCHARD, VINEYARD DUSTERS, "DEW-DUSTERS"
AND "AGI-SPRAY" SPRAYERS

Plant and Offices
BALDWIN AND NAVIGATION BOULEVARDS
P. O. BOX 2409 — PHONE TU 2-4025
CORPUS CHRISTI, TEXAS

A. W. GUSTAFSON, PRESIDENT

January 14, 1958

The Administrator
Defense Minerals Exploration Administration
United States Department of The Interior
Washington 25, D. C.

RE: Docket No. DMEA-4863 (Uranium)
Dixie Claim Group
San Juan County, Utah

Dear Sir:

Inclosed are copies of two additional bids received on the application above. Three copies of each have been sent to Mr. Harshman of the Denver office.

Very sincerely yours,

CORPUS CHRISTI EXPLORATION COMPANY

A. W. Gustafson
President

AWG:ma
Enc.

Place Corpus Christi, Texas

Date December 22, 1957

Corpus Christi Exploration Co., Inc.
P O Box 2409
Corpus Christi, Texas

Gentlemen;

The undersigned submits the following bid on work to be done on the property described and agrees to complete the work in a workmanship and satisfactory manner. Drilling will begin on April 1, 1958, weather permitting, and will be completed in _____ working days thereafter.

Name of Property - Dixies.

Where located - Section 25, Township 36 South, Range 16 East, Salt Lake Base and Meridian, San Juan County, Utah. Map attached.

Number of Claims - 9 of 13 claims to be drilled.

Names of Claims to be drilled - Dixie Nos. 20, 21, 22, 23, 24, 25, 29, 30 and 32.

Location of drilling - See attached map locating drill hole sites.

Drilling to be performed - 53 holes, 2⅞" diameter, average 250 feet each, total 13,250 feet

at $ 2.25 per foot, total . . . . $ 30,000.00

Coring to be performed - 53 holes, 2 3/4" diameter cores, 15 feet each, total 795 feet,

at $ 2.00 per foot, total. . . . . $ 2,000.00

Road improvement to be performed - Necessary dozer work, maximum of 60 hours at $ 22.00 per hr $ 600.00

Total amount of bid . . . . . $ 32,600.00

Corpus Christi Exploration Co., Inc.
(Name of firm)

By R. W. Gustafson
(Signature)

Asst. Vice President
(Title)

Place [illegible]

Date [illegible] 1957

Corpus Christi Exploration Co., Inc.
P O Box 2409
Corpus Christi, Texas

Gentlemen;

The undersigned submits the following bid on work to be done on the property described and agrees to complete the work in a workmanship and satisfactory manner. Drilling will begin on April 1, 1958, weather permitting, and will be completed in [illegible] working days thereafter.

Name of Property - Dixies.

Where located - Section 25, Township 36 South, Range 16 East, Salt Lake Base and Meridian, San Juan County, Utah. Map attached.

Number of Claims - 9 of 13 claims to be drilled.

Names of Claims to be drilled - Dixie Nos. 20, 21, 22, 23, 24, 25, 29, 30 and 32.

Location of drilling - See attached map locating drill hole sites.

Drilling to be performed - 53 holes, 4¼" diameter, average 250 feet each, total 13,250 feet

at $ [illegible] per foot, total . . . .$ [illegible]

Coring to be performed - 53 holes, 2-3/4" diameter cores, 15 feet each, total 795 feet,

at $ [illegible] per foot, total. . . . .$ [illegible]

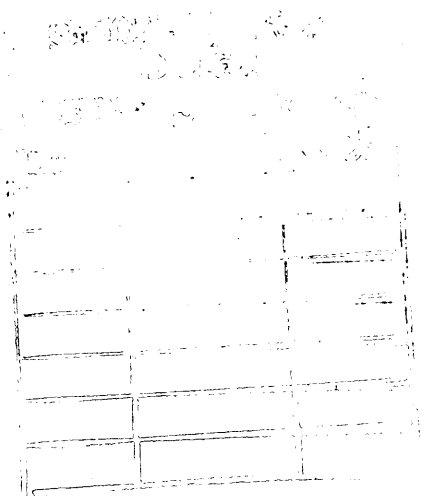
Road improvement to be performed - Necessary dozer work, maximum of 60 hours at $[illegible] per hr $ [illegible]

Total amount of bid . . . . . .$ [illegible]

[illegible]
(Name of firm)

By [illegible]
(Signature)

Owner
(Title)



UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

224 New Customhouse
Denver 2, Colorado

1/16 C 220
1/16 Kuwura 760

January 14, 1958

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA 4863 (Uranium) Corpus Christi Exploration Co., Inc. (Dixie Claim Group) San Juan County, Utah

Enclosed are the following:

1. Two copies of a letter from the subject Applicant.
2. Two copies of our reply.
3. Two copies of a drilling bid submitted by the Carl Vickers Water Wells.
4. Two copies of a bid submitted by the Applicant Company.

Will you please place a copy of the drill bids with your copy of the application.

W. H. King

LMG:cn

cc: Hse. Cy. Comm. (2)
Lovelace
Salisbury
Hunter
Docket
Chron.

A. W. GUSTAFSON, PRESIDENT

[illegible]

[illegible]

[illegible]

[illegible]

Mr. W. H. King, Executive Officer
BLM Field Team, Region [illegible]
224 New Customhouse
Denver 2, Colo.

Re: Docket No. [illegible]
(Pirate Claim Group)
San Juan County, Utah

Dear sir;

Enclosed are two additional bids for the work proposed on the above claims, as requested by your letter of December 27, 1957.

I will be in Denver February 6,7 and 8 attending the Western Mining Conference and I would appreciate the opportunity to call on you during that time to discuss this application.

Sincerely,

AWG:j

A. W. Gustafson, President
CORPUS CHRISTI EXPLORATION CO., INC.

DMEA
DEPARTMENT OF THE INTERIOR

JAN 14 1958
REGION III
DENVER, COLORADO

Place Corpus Christi, Texas

Date January 8, 1958 1957

Corpus Christi Exploration Co., Inc.
P O Box 2409
Corpus Christi, Texas

Gentlemen;

The undersigned submits the following bid on work to be done on the property described and agrees to complete the work in a workmanship and satisfactory manner. Drilling will begin on April 1, 1958, weather permitting, and will be completed in 100 working days thereafter.

Name of Property - Dixies.

Where located - Section 25, Township 36 South, Range 16 East, Salt Lake Base and Meridian, San Juan County, Utah. Map attached.

Number of Claims - 9 of 13 claims to be drilled.

Names of Claims to be drilled - Dixie Nos. 20, 21, 22, 23, 24, 25, 29, 30 and 32.

Location of drilling - See attached map locating drill hole sites.

Drilling to be performed - 53 holes, 4¼" diameter, average 250 feet each, total 13,250 feet

at $ 2.00 per foot, total . . . .$ 26,500.

Coring to be performed - 53 holes, 2-3/4" diameter cores, 15 feet each, total 795 feet,

at $ 3.50 per foot, total. . . . .$ 2782.50

Road improvement to be performed - Necessary dozer work, maximum of 60 hours at $12.00 per hr $ 720.00

Total amount of bid . . . . . .$ 30,002.50

CARL VICKERS WATER WELLS
(Name of firm)

By Carl Vickers
(Signature)

Owner
(Title)

DMEA
DEPARTMENT OF THE INTERIOR
JAN 14 1958
REGION II
DENVER, COLORADO

Place Corpus Christi, Texas

Date December 31, 1957

Corpus Christi Exploration Co., Inc.
P O Box 2409
Corpus Christi, Texas

Gentlemen;

The undersigned submits the following bid on work to be done on the property described and agrees to complete the work in a workmanship and satisfactory manner. Drilling will begin on April 1, 1958, weather permitting, and will be completed in ____ working days thereafter.

Name of Property - Dixies.

Where located - Section 25, Township 36 South, Range 16 East, Salt Lake Base and Meridian, San Juan County, Utah. Map attached.

Number of Claims - 9 of 13 claims to be drilled.

Names of Claims to be drilled - Dixie Nos. 20, 21, 22, 23, 24, 25, 29, 30 and 32.

Location of drilling - See attached map locating drill hole sites.

Drilling to be performed - 53 holes, 3" diameter, average 250 feet each, total 13,250 feet

at $ 1.25 per foot, total $16,562.50

Coring to be performed - 53 holes, 1.875" diameter cores, 15 feet each, total 795 feet,

at $ 2.50 per foot, total. $1,987.50

Road improvement to be performed - Necessary dozer work, maximum of 60 hours at $11.00 per hr $ 660.00

Total amount of bid $19,210.00

Corpus Christi Exploration Co., Inc.
(Name of firm)

By A. W. Gustafson
(Signature)
A. W. Gustafson
President
(Title)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

224 New Customhouse
Denver 2, Colorado

October 28, 1957

Memorandum

To: Secretary to the Operating Committee, DMEA

From: DMEA Field Team, Region III

Subject: Application for DMEA Aid, (Uranium) Corpus Christi Exploration Co., Inc. (Dixie Claims) San Juan County, Utah

Enclosed are the original and one copy of the subject application. One copy of the application is being forwarded to the Grand Junction Office, DMEA. One copy of the application is being retained in our file.

The Applicant proposes to explore a mineralized target area by 14,045 feet of core and non-core drilling at a total estimated project cost of $36,005.00.

A copy of the lease by which the Applicant claims interest in the subject land was included with the original of the application only. If field referral is indicated, we would appreciate the loan of this document for use by the field examiners.

This application was postmarked October 23, 1957.

No drill bids were submitted with the application.

E. N. Harshman

E. N. Harshman
Acting Executive Officer

Form MF-103
Revised Feb. 1957

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1035.5
Approval expires June 30, 1958

APPLICATION FOR AID IN AN EXPLORATION PROJECT

PURSUANT TO DMEA ORDER I, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

NAME OF APPLICANT (Full legal name and mailing address as it should appear on contract if one is executed)

Corpus Christi Exploration Co., Inc.
P.O. Box 2409
Corpus Christi, Texas

DMEA
DEPARTMENT OF THE INTERIOR
OCT 25 1957
REGION III
DENVER, COLORADO

APPLICANT NOT TO USE THIS BLOCK

Docket Number: DMEA-4863

Date Received: 10/31/57

Government Participation %:

Region: III

Division Code: 700

BUSINESS ORGANIZATION (Check one)

- Individual [ ]
- Corporation [X]
- Partnership [ ]
- Other (Specify) [ ]

State in which firm is organized: Utah

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

Name	Address	Title
L. W. Gustafson,	P.O. Box 2409, Corpus Christi, Texas	President
David H. Nabit	616 Indiana St., Corpus Christi, Texas	Vice-Pres.
E. W. Jones	P.O. Box 2409, Corpus Christi, Texas	Secretary
Joe H. Konipo	69 Bratchle Plaza, Corpus Christi, Tex	Director
W. Zillgen	1510 Stillman, Corpus Christi, Texas	Director
E.H. Reddicord	222 Horton, Corpus Christi, Texas	Director
J. Ray Jackson	P.O. Box 902, Salt Lake City, Utah	Director

Mineral(s) for which you wish to explore: Uranium

Estimated Cost of Project: $ 36,005.00

LOCATION OF PROPERTY

Name	County	State
Dixie Claims	San Juan	Utah

GENERAL INSTRUCTIONS

Before filling out this application, please read DMEA Order-I, Amended, "Government Aid in Defense Exploration Projects." To assure prompt action, your application must provide all applicable material and information specified on the back of this application form. Avoid unnecessary correspondence and delays by submitting complete and accurate information. *Please submit four copies of this application and all accompanying papers* except as otherwise noted. Place your name and address on each sheet. Each item of information, maps, and reports required as a part of this application is described on the back of this form. Identify each attached statement by the item number to which it applies. If an item does not apply to your application, show the item number on your statement and after it write "not applicable." Maps or sketches should be used to supplement narrative descriptions of the property location and boundaries in item 1, existing mine workings and geology in item 2, and the proposed exploration project in item 4. When this information is not too complex, all of it may be shown on one map or sketch. All documents and other attachments submitted as a part of this application, except those in item 3(g) which you mark to be returned, become the property of the Government and will not be returned to the applicant. Send true copies, *not originals*, of leases, contracts, and other documents which are an essential part of your business records. *File this application with the Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest DMEA Field Office.*

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief.

October 23, 1957
Dated

L. W. Gustafson
BY (Signature)

President
Title

A wilfully false statement or certification to any Department or Agency of the United States Government is a criminal offense. U. S. Code, Title 18, Sec. 1001.

INFORMATION REQUIRED WITH THIS APPLICATION

1. *Applicant's Property Rights:*

(a) State the legal description (section, township, and range; metes and bounds; patent number of claims) of the land upon which you wish to explore and all land adjacent to the proposed project area which you own or control. Describe any part of the project land or workings which should not be subject to Government lien for royalty payments. If the land consists of unpatented claims, state the book and page number for each recorded location notice, including amended locations, and the place where recorded (courthouse, recorder's office, county, and state).

(b) State all the names by which you know the property.

(c) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise. If you are not the owner, submit with this application one exact copy of the lease, contract, or other document (with address of owner) under which you control the property.

(d) Describe all liens, mortgages, or other encumbrances on the property.

2. *Physical Description:*

(a) Describe in detail and illustrate with maps or sketches all mining or exploration operations which you know have been or are being conducted upon the lands, including existing mine workings. Describe all production facilities.

(b) State your interest, if any, in operations stated in 2*(a)*.

(c) State, as far as you know, the past and current production, supporting your statement with copies of settlement sheets, mine records, or published data if available.

(d) Describe known ore reserves on the property giving quantities and grades and sampling methods used, supporting your statement with copies of assay certificates and assay maps if available.

(e) Describe by narrative and maps or sketches the geologic features of the property, including ore minerals, geologic formations if known, and type of deposit (vein, bedded, etc.).

(f) State your reasons for expecting to find ore, and if you have sampled the area you propose to explore, show where the samples were taken, describe sampling methods used, and provide copies of assay certificates.

(g) Send with your application at least *two* copies of all geologic or engineering reports, assay maps, or technologic information which you may have, indicating on each whether you require its return to you.

3. *Accessibility of Project:*

(a) To aid DMEA representatives who may be required to examine the property, state the name and address of the person who will meet the DMEA representative; give directions for reaching the property; and describe accessibility of the property including the mine workings.

(b) Name the shipping and supply points and places where employees reside and state the distances between them and the property.

4. *The Exploration Project:*

(a) Describe fully the proposed exploration project giving individual footages and sizes of openings *for each item of work*. Use narrative, maps, plans, and longitudinal and cross sections as necessary. Show the location of the proposed work as related to geologic features such as veins, ore-bearing beds, contacts of rock formations, etc. Show also the relation of the proposed work to any existing mine workings and to *property boundaries* or to the closest identifiable corner.

(b) If an access road to the project must be built, show the location on the property map and state the length, type, and construction methods proposed.

(c) In the event that an exploration contract with DMEA is executed, how soon will the work start and how many months will be required to complete it? State your anticipated average daily or monthly rate of progress for each type of work.

5. *Experience:*

State your operating experience and background with relation to your ability to carry out this exploration project, and also that of the person or persons who will supervise the operations.

6. *Estimate of Costs:*

Furnish detailed estimates of the costs *for each item of the work proposed in 4(a)* under the headings listed below with a total for each heading and the estimated total cost of the project. Costs for any work to be performed by an independent contractor should be shown separately under category *(a)* below. Costs for any work that is not to be performed by an independent contractor should be given in detail under categories *(b)* through *(g)*.

(a) Independent contracts. State the cost of any proposed independent contract for the performance of all or any part of the work, expressed in units of work, such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved. Cost estimates should be supported by bids from these contractors if possible. *(Note* – If none of the work is to be contracted, write "none" after this item.)

(b) Personal services. For necessary supervisory, engineering and geological services, and labor, include an itemized schedule of numbers, classes, rates of wages, salaries or fees, and periods of employment. State whether these technicians and employees are available.

(c) Operating materials and supplies. List items of material and supplies with their cost. Include under this heading power, water, and fuel, and units of equipment and tools costing less than $50 each.

(d) Operating equipment. List items of operating equipment to be used giving specifications and indicating how each item is to be acquired – i.e., rented, purchased, or provided by the applicant. If it is rented or purchased, state the estimated rental or purchase price. If it is to be furnished by the applicant, give its present fair market value.

(e) Initial rehabilitation and repairs. Describe the type and the cost of necessary *initial* rehabilitation or repair of existing buildings, fixtures, installations (exclusive of mine workings), and movable operating equipment now owned by the applicant, which will be used on the exploration project.

(f) New buildings, fixtures, installations. Describe each building, fixed improvement, and installation to be purchased, constructed, or installed for the exploration project stating specifications and cost including labor, materials and supervision.

(g) Miscellaneous. For the operating equipment listed in 6*(d)*, describe the type and estimate the cost of repairs and maintenance expected during project operations. Do not repeat initial repairs listed in 6*(e)*. Show also the costs of analytical work, accounting, workmen's compensation and employees' liability insurance, payroll taxes, and other required costs that do not fall within the previous categories.

Note – No items of general overhead, corporate management, interest, taxes (other than payroll and sales taxes), or any other indirect costs, or work performed or costs incurred before the date of the contract, should be included in the estimate of costs.

7. *(a)* State whether you are prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation stated in Sec. 7 of DMEA Order-1, Amended.

(b) Explain to what extent you propose to furnish your share of the costs by providing money, by use of equipment owned by you, or otherwise.

* * * * *

-DUP. SEC., WASH., D.C. 35539

CORPUS CHRISTI EXPLORATION CO., INC.
P. O. BOX 2409
CORPUS CHRISTI, TEXAS

Item 1 - - Applicant's Property Rights

(a) Legal description: Unpatented mining claims in Section 25, Township 36 South, Range 16 East, Salt Lake Base and Meridian, San Juan County, State of Utah. Recorded in office of San Juan County Recorder, Monticello, Utah.

Name of Claim	Recorded in book	Page
Dixie #20	289	473
Dixie #21	289	473
Dixie #22	289	474
Dixie #23	289	474
Dixie #24	289	475
Dixie #25	289	475
Dixie #26	289	476
" " amended	299	433
Dixie #27	289	476
" " amended	299	433
Dixie #28	289	477
Dixie #29	98	9
Dixie #30	98	8
Dixie #31	98	8
Dixie #32	98	6

(b) Known only as Dixie claims.

(c) Applicant is Lessee. See attached one exact copy of LEASE AND OPTION.

(d) Federal Tax lien dated March 13, 1956, recorded March 15, 1956 against Plateau Engineering, Inc., Moab, Utah for payment of a wage excise tax assessed February 10, 1956 in the amount of $737.46

OFFICIAL FILE COPY
DMEA
RECEIVED OCT 31 1957
DATE | INITIALS | CLEAR

CORPUS CHRISTI EXPLORATION CO., INC.
P. O. BOX 2409
CORPUS CHRISTI, TEXAS

Item 2 - - Physical Description

(a) Previous exploration work consists of 58 drill holes. 21 drilled by Blanding Drilling Co., Blanding, Utah March 6, 1956 to April 7, 1956 at a cost of $10,000.00 and 37 holes drilled by Corpus Christi Exploration Co. at a cost of approximately $20,000.00. See attached map for detailed locations of drill holes.

No existing mine workings or production facilities.

(b) All exploration work in 2 (a), above, done for interest of applicant.

(c) No past or current production.

(d) Extent of ore reserves not yet proved.

(e) Included in 2 (g).

(f) We expect to find ore because of the good indications as shown on attached three sheets showing results of hole probing. In addition, White Canyon No. 1 Mine is approximately 2000 feet NW of the corner of claim #32 and their mining operation has progressed about 400 feet in our direction so that they are now actively mining about 1600 feet from our property and still working in our direction. Another feature of claim #32 is that the cliff makes a drop of 100 to 150 feet and makes an ideal entrance for mining of claims #20 and #32.

Since White Canyon No. 1 is coming in our direction, towards our drill holes on claim #20, there is a possibility that this channel extends down through claim #30. This does not co-incide with the geologic trend since geology shows a trend from NE to SW. However, White Canyon No. 1 not only runs NE-SW, but also NW-SE. This channel can turn in a semi-circle, coming in on our claims #20 and #32, making a turn and going SW as illustrated in the lower left hand corner of attached map.

On the other hand, if the trend is according to geology, then our drill hole No. 24 on claim #30 indicates a new channel running through claims #23 and #24. In either case we would have at least one and possibly two channels about 2000 feet long.

(g) Attached are two copies each of the following geologic reports on these claims;

(1) McDougald report dated April 5, 1956
(2) McDougald report dated August 23, 1956
(3) Shumway report, not dated but written in Spring of 1956

OFFICIAL FILE COPY
DMEA
RECEIVED OCT 31 1957

DATE	INITIALS	COPY

Item 2 (f)

C-O-P-Y

CORPUS CHRISTI EXPLORATION CO., INC.
P. O. BOX 2409
CORPUS CHRISTI, TEXAS

C-O-P-Y

C-O-P-Y

Corpus Christi Exploration Co.
Box 884
Moab, Utah

Reference to initial drilling contract, Dixie lease.
Drilling accomplished between March 8, 1956 and March 22, 1956.

HOLE #1			
Moenkopi contact	- - 270 ft.	Barren	No formation
Bottom	- - 275 ft.		
HOLE #2			
Moenkopi contact	- - 274 ft.	Barren	No formation
Bottom	- - 285 ft.		
HOLE #3			
Moenkopi contact	- - 275 ft.	Barren	No formation
Bottom	- - 280 ft.		
HOLE #4			
Moenkopi contact	- - 255 ft.	Barren	No formation
Bottom	- - 260 ft.		
HOLE #5			
Moenkopi contact	- - 259 ft.	Barren	5 ft. formation
Bottom	- - 265 ft.		
HOLE #6			
Moenkopi contact	- - 255 ft.	Barren	20 ft. formation
Bottom	- - 263 ft.		
HOLE #7			
Moenkopi contact	- - 262 ft.	Ore	17 ft. formation
Bottom	- - 270 ft.		
HOLE #8			
Moenkopi contact	- - 266 ft.	Barren	22 ft. formation
Bottom	- - 277 ft.		
HOLE #9			
Moenkopi contact	- - 263 ft.	Barren	19 ft. formation
Bottom	2 - 274 ft.		
HOLE #10			
Moenkopi contact	--- 262 ft.	Ore	17 ft. formation
Bottom	- - 270 ft.		

Drill logs compiled and holes
probed by

(signed) GRANT SHUMWAY
Grant Shumway (Geologist)

Item 2 (f)

CORPUS CHRISTI EXPLORATION CO., INC.
P. O. BOX 2409
CORPUS CHRISTI, TEXAS

C-O-P-Y

C-O-P-Y

C-O-P-Y

Corpus Christi Exploration C.
Box 884
Moab, Utah

Reference to final drilling contract, Dixie lease.
Drilling accomplished between March 22, 1956 and April 7, 1956.

HOLE #11			
Moenkopi contact	- - 263 ft.	Min. .10	19 ft. formation
Bottom	- - 269 ft.		
HOLE #12			
Moenkopi contact	- - 265 ft.	Barren	No formation
Bottom	- -- 272 ft.		
HOLE #13			
Moenkopi contact	- - 261 ft.	Barren	17 ft. formation
Bottom	- - 264 ft.		
HOLE #14			
Moenkopi contact	- - 266 ft.	Min. .09	21 ft. formation
Bottom	- - 288 ft.		
HOLE #15			
Moenkopi contact	- - 296 ft.	Min. .07	18 ft. formation
Bottom	- - 274 ft.		
HOLE #16			
Moenkopi contact	- - 271 ft.	Min. .05	23 ft. formation
Bottom	- - 272 ft.		
HOLE #17			
Moenkopi contact	- - 266 ft.	Min. .04	17 ft. formation
Bottom	- - 267 ft.		
HOLE #18			
Moenkopi contact	- - 260 ft.	Barren	15 ft. formation
Bottom	- - 262 ft.		
HOLE #19			
Moenkopi contact	- - 266 ft.	Ore	27 ft. formation
Bottom	- - 267 ft.		
HOLE #20			
Moenkopi contact	- - 264 ft.	Min. .06	25 ft. formation
Bottom	- - 265 ft.		
HOLE #21			
Moenkopi contact	- - 267 ft.	Min. .10	27 ft. formation
Bottom	- - 269 ft.		

Drill logs compiled and holes probed by;

(Signed) GRANT SHUMWAY
Grant Shumway (Geologist)

CORPUS CHRISTI EXPLORATION CO., INC.
P. O. BOX 2409
CORPUS CHRISTI, TEXAS

Item 2 (f)

RADIOMETRIC LOG OF DRILL HOLES - - DIXIE CLAIMS
White Canyon, Utah

These holes were probed with a Babel probe. The information received by this method is dependent upon the accuracy of the instrument used. Readings converted to % Uranium.

#5 TEST

depth	%
256.3	.02
.4	.03
.5	.03
.6	.03
.7	.04
.8	.04
.9	.05
257.0	.04
.1	.03
.2	.03
.3	.03
.4	.03
.5	.03
.6	.03
.7	.02
.8	.02
.9	.00

#7 TEST

264.1	.04
.2	.04
.3	.04
.4	.04
.5	.06
.6	.07
.7	.11
.8	.12
.9	.17
265.0	.21
.1	.20
.2	.17
.3	.16
.4	.14
.5	.16
.6	.14
.7	.13
.8	.10
.9	.10
266.0	.07
.1	.04

#10 TEST

266.0	.04
.1	.04
.2	.08
.3	.08
.4	.11
.5	.15
.6	.18
.7	.20
.8	.16
.9	.10
267.0	.09
.1	.08
.2	.07
.3	.06
.4	.04
.5	.04
.6	.04

#11 TEST

265.0	.03
.1	.03
.2	.04
.3	.04
.4	.05
.5	.04
.6	.06
.7	.05
.8	.07
.9	.08
266.0	.10
.1	.10
.2	.09
.3	.08
.4	.07
.5	.06
.6	.06
.7	.05
.8	.04
.9	.04
267.0	.03

#14 TEST

266.0	.02
.1	.03
.2	.03
.3	.03
.4	.03
.5	.04
.6	.04
.7	.06
.8	.09
.9	.08
267.0	.05
.1	.05
.2	.04
.3	.03
.4	.04
.5	.03
.6	.02
.7	.02

#15 TEST

266.7	.04
.8	.04
.9	.04
267.0	.05
.1	.05
.2	.06
.3	.06
.4	.06
.5	.06
.6	.06
.7	.06
.8	.08
.9	.08
268.0	.08
.1	.08
.2	.07
.3	.06
.4	.06
.5	.06
.6	.06
.7	.05
.8	.05
.9	.05
269.0	.05
.1	.04
.2	04
.3	.04

#19 TEST

258.0	.02
.1	.02
.2	.02
.3	.02
.4	.02
.5	.02
.6	.03
.7	.03
.8	.03
.9	.03
259.0	.03
.1	.03
.2	.04
.3	.04
.4	.04
.5	.04
.6	.04
.7	.04
.8	.04
.9	.04
260.0	.05
.1	.05
.2	.05
.3	.06
.4	.06
.5	.06
.6	.06
.7	.06
.8	.05
.9	.05
261.0	.05
.1	.05
.2	.05
.3	.05
.4	.05
.5	.04
.6	.04
.7	.04
.8	.04
.9	.04
262.0	.04
.1	.04
.2	.04
.3	.04
.4	.04
.5	.04
.6	.04
.7	.04
.8	.04
.9	.04
263.0	.04
.1	.05
.2	.05
.3	.05
.4	.05
.5	.05
.6	.05
.7	.05
.8	.05
.9	.05

(#19 cont'd next col.)

#19 TEST (Cont'd)

262.0	.05
.1	.05
.2	.05
.3	.05
.4	.05
.5	.06
.6	.07
.7	.07
.8	.07
.9	.09
265.0	.10
.1	.10
.2	.11
.3	.13
.4	.12
.5	.13
.6	.12
.7	.11
.8	.09
.9	.08
266.0	.07
.1	.07
.2	.06
.3	.05
.4	.04

#20 TEST

257.5	.04
.6	.04
.7	.04
.8	.04
.9	.04
258.0	.04
.1	.04
.2	.04
.3	.05
.4	.05
.5	.04
.6	.04
.7	.05
.8	.05
.9	.05
259.0	.06
.1	.06
.2	.06
.3	.06
.4	.06
.5	.06
.6	.06
.7	.06
.8	.06
.9	.06
260.0	.06
.1	.06
.2	.02
.3	.06
.4	.06
.5	.06
.6	.06
.7	.06
.8	.06
.9	.06

(#20 cont'd next col.)

#20 TEST (Cont'd)

261.0	.06
.1	.06
.2	.06
.3	.06
.4	.06
.5	.06
.6	.06
.7	.06
.8	.06
.9	.06
262.0	.05
.1	.04
.2	.04
.3	.03

#21 TEST

258.0	.05
.1	
259.0	
260.0	
261.0	.05
262.0	
263.0	
264.0	.06
265.0	
266.0	.05

Above holes probed and readings recorded by;

A. W. Gustafson,
President
Corpus Christi
Exploration Co., Inc.
P O Box 2409
Corpus Christi, Texas.

CORPUS CHRISTI EXPLORATION CO., INC.
P. O. BOX 2409
CORPUS CHRISTI, TEXAS

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Item 2 (g)

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* *

GEOLOGICAL SERVICES
Box 896
Moab, Utah

April 5, 1956

Corpus Christi Exploration Co.
Box 884
Moab, Utah

Gentlemen;

I have studied the drilling results obtained from drilling on the Dixie group of claims, Sections 25 and 30, Township 36 South, Range 16 East, Frey Point area, San Juan County, Utah. The progress and results were studied by Mr. Owen Malin in the field and by both of us here in the office. My firm, Geological Services, has done a considerable amount of geologic work in the White-Canyon --Frey Canyon -- Red Canyon general area.

After examining the drilling pattern depths, Shinarump conglomerate thickness, channel trends in the Frey Point area and by applying knowledge gained from other drilling programs conducted in the White Canyon Mining District, the following recommendations are made;

1) The drilling done to date has been conducted in a haphazard fashion, with no concrete pattern used. Some information has been gained in the east-west direction and in the 5 through 10 hole area some mineralization has been encountered. The southwest and northwest portions of Dixie No. 20 should be drilled by an east-west grid to establish definitely if a channel crosses the claim in a northerly direction. The White Canyon No. 1 channel should cross the northwest portion of Dixie No. 20; tracing out the rim exposures on the south rim indicates that the channel may trend through the point south of the Dixie Nos. 20 and 21 claims. From all indications the 5 through 10 drill hole area is in a thicker section and may be on the White Canyon No. 1 channel. Additional drilling in the northwest and southwest portions of Dixie No. 20 claim would more definitely establish a trend or extension.

2) Additional drilling is also recommended for the southern part of Dixie No. 21. An east-west row of holes will determine if channel scouring does exist; the collar elevations, Shinarump thickness and depth to the Moenkopi contact should be obtained on each hole drilled; however, a hole indicating a thin or non-existing Shinarump section is positive information and requires only the Shinarump thickness.

3) It is recommended that the attached drilling diagram be followed and also an accurate drill log be kept on each hole by the driller.

4) An additional thirty (30) holes are recommended for gaining information by a psospecting grid. The holes are recommended to be spaced one hundred (100) feet apart, allowing six (6) in the northern part of Dixie No. 20; five (5) in the southern part of No. 20, four (4) across the southern part of No 21; five (5) across Dixie No. 24; six across Dixie No. 25; and four (4) across Dixie No. 26. It is recommended that the holes be laid out in a northwest-southwest direction on the Dixie Nos. 24, 25 and 26 claims and in an east-west direction on the Dixie Nos. 20 and 21 claims. (Refer to attached plat for proposed drilling.)

The recommended thirty holes will in no way block out any mineralization; however, they will give you a more concrete picture of the possibilities and potential of the Dixie group of claims. If all the holes are not needed, say on the No. 25 claim, use the holes elsewhere to offset favorable conditions found by other drill holes.

This preliminary type report is submitted to advise the additional drilling believed to be necessary to properly prospect for channel scouring across the Dixie group. If favorable conditions are encountered, additional drilling will be recommended for a second phase program.

Respectfully submitted through Mr. Owen Malin to Mr. Bruce Temple April 5, 1956

(Signed)_____
Wm. Dean McDougald
Consulting Geologist

CORPUS CHRISTI EXPLORATION CO., INC.
P. O. BOX 2409
CORPUS CHRISTI, TEXAS

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Item 2 (g)

* *

GEOLOGICAL SERVICES
Box 896
Moab, Utah

August 23, 1956

Mr. J. R. Jensen
% Corpus Christi Exploration Co.
Box 982
Salt Lake City, Utah

Dear Mr. Jensen;

The following geologic report is submitted on the Dixie group of mining lode claims, located on Frey Point, White Canyon Uranium Mining District, Utah. The claims were examined in the field August 1, 1956, and the report is also based on numerous examinations previously made by the author in the White Canyon Area.

INTRODUCTION

Location and Accessibility: The Dixie group of claims is reached by auto travel by traveling the White Canyon-Hite road for sixty-two (62) miles west of Blanding, Utah. Utah State Highway No. 95 is an improved secondary road which is maintained throughout the year. The last two miles of the access road is along the northeast side of Frey Point, and crosses the Frey Point group of the White Canyon Uranium Corporation. The claims are accessible throughout the year, except for short heavy snowfall periods during the months of January and February. The claims lie in a semi-arid climatic belt.

Ownership. Your company holds thirteen (13) unpatented, surveyed mining lode claims called Dixies. They are located in Sections 25 and 36, Township 36 South, Range 16 East, S.L.M., and Section 30, Township 36 South, Range 17 East, S.L.M., San Juan County, Utah. Section 36 of each township is normally a state school section; therefore, the Dixie No. 26 claim and parts of Dixie No. 30 and 31 may be invalid.

GENERAL GEOLOGY

Topography. The Dixie claims are staked over a low lying ridge, or point. The maximum relief between the lowest point claimed and the highest is approximately 300 feet. The bulk of the group is over the flat Frey Point crest, or top. Additional drillsite locations and roads can be constructed at a moderate rate of expenditures.

Structural Geology: The Frey Point area possesses no geologic structural significance to uranium deposition. The beds strike northwest and dip from 3 to 5 degrees to the southwest. The normal occurring minor fracturing systems crosses the area as in most exposed areas in the Colorado Plateaus Province.

Stratigraphy: The Dixie claims are staked over outcrops of the following stratigraphic units - in descending order; (All of the units are of Triassic Age).

NAME	THICKNESS
Moseback sandstone member of Chinle formation	40-60 feet
Lower Chinle shale units	180-200 feet
Shinarump conglomerate	0-35 feet
Moenkopi formation	Of no interest

The ore producing unit of the White Canyon district is the Shinarump conglomerate. The Moenkopi formation is the unit used for the bottoming of drill holes and may be mineralized within the upper 3 to 6 feet. The main ore bearing horizon is along the contact of the Shinarump and Moenkopi formations. This contact is an unconformable zone and and is characterized by irregular Shinarump deposition in paleo-stream scours.

The paleo-stream scours at the base of channels are the targets of search for uranium and vanadium deposition. (See attached drilling diagram for illustration of Shinarump scouring).

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Economic Considerations: The Dixie group of claims border the Frey Point group of claims of the White Canyon Uranium Corporation. No exact data is available to me on the size of the White Canyon No. 1 ore body; however, based on the drilling contractor's report, conversations with the White Canyon superintendent and the amount and type of drilling done along the channel, the ore body is very good. The main ore trend on the White Canyon No. 1 is trending southwest away from the Dixie No. 33 and 20 claims. Therefore, it is considered as necessary to establish a new channel on the Dixie group of claims.

There has been twenty-one (21) drill holes driven on the north part of the Dixie group. These holes are shown on the accompanying claim map. The drilling was mainly concentrated on the Dixie No. 20 claim. In the hole No. 11-10 and 18-20 areas a 15 to 28 foot thick Shinarump section was encountered. Holes No. 7, 10, 11 and 19 showed mineralization by radiometric probing. The average drilling depth required is estimated to be 266 feet. Fifteen (15) feet of core is recommended for each and every hole. This coring interval is from lower Shinarump zone. No chemical assayed samples were taken from the non-coring, open holes. This type of testing by radiometric count only is bad engineering practice. Samples for chemical assaying should always be taken.

Recommendations and Conclusions: As shown on the accompanying claim plat, a total of twenty (20) prospect drill holes is recommended. The thickness of Shinarump, collar and Moenkopi contact elevations and coring data should be accurately kept on each hole. The holes are recommended to be oriented as shown on the claim map. The additional holes will be used in conjunction with the previous drilling and further expands the prospect grid. If the prospect grid encounters mineralization and decent Shinarump thickness, additional second phase drill holes will be recommended. Information from each hole should be used in evaluating and the reasoning for drilling the next hole. Some of the proposed holes may not be needed but this can only be determined during the drilling program. The drilling should be supervised by a trained geologist or engineer.

In concluding, I would like to point out that the Dixie group of claims is considered as good prospect drilling ground for uranium and vanadium deposition. The claims are recommended for the twenty (20) prospect holes and if favorable thickness of the Shinarump conglomerate or mineralization is encountered in the prospect holes, additional second phase drilling will be recommended. Only by proper and systematic drilling can the claims be evaluated.

This report respectfully submitted to Mr. J. R. Jensen of the Corpus Christi Exploration Company, August 23, 1956.

(Signed)_____
Wm. Dean McDougald
Consulting Geologist

CORPUS CHRISTI EXPLORATION CO., INC.
P. O. BOX 2409
CORPUS CHRISTI, TEXAS

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Item 2 (g)

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* *

GEOLOGICAL REPORT

on

WHITE CANYON AREA

- - -

INTRODUCTION

The property discussed here is located in the White Canyon Mining District in San Juan County, Utah, Township 36 South, Range 16 East, Section 25. There are nine claims, Dixie 20-28. The area is accessible from the east and west by Utah Highway 95, a graded dirt road. Blanding, Utah, is 50 miles east and Hanksville, Utah is 65 miles north across the Colorado River. There is an ore buying station located in White Canyon. Access roads have been built across the claims.

An exploratory drilling program is recommended for this property based on the field work completed for this report.

GEOLOGY

Rocks in this area consist of sedimentary formationsranging in age from Carboniferous to Jurassic; the entire section is more than 2,000 ft. thick. These beds are on the southwest flank of the Elk Ridge anticline and have a regional dip of 2 to 3 degrees Southwest. The nearest exposure of igneous rocks are in the Henry Mountains, about 17 miles to the west. There are four (4) formations of interest in this report. From bottom to top they are; Cutler formation (Permian), Moenkopi (triassic), Shinarump (Triassic), Chinle (Triassic).

The Cutler formation forms the floor of White Canyon and has been trenched by streams to depths of 50 to 200 feet.

The Moenkopi formation consists of 200 to 250 feet of thin bedded, dark brown sandstone and siltstone.

The Shinarump conglomerate, the principal ore-bearing formation in the White Canyon area, rests unconformably on the Moenkopi formation. The most striking feature of the formation is its extreme lenticularity. Conglomerate of the Shinarump formation ~~8/4~~ 40 feet think may pinch out completely in an outcrop less than 2000 feet in length. The thicker parts of the formation resulted both from the filling of channels in the underlying Moenkopi formation and from lateral facies change to conglomerate of the overlying Chinle formation. The formation reaches a maximum thickness of 75 feet.

The Chinle formation is divided into three groups. The lowermost of these three is left covering the Shinarump conglomerate at the property discussed by this report and is approximately 220 to 245 feet in thickness. A resistant sandstone and conglomerate bed 10 to 100 feet thick forms the top or surface expression of this property. This sandstone bed is very easily confused with the Shinarump Conglomerate.

STRUCTURE

The rocks in the different formations are strongly jointed. There are three prominent joint systems. All have vertical dips. Ffactures in the sandstones in the Shinarump formation trend generally parallel to the main jointing in the area.

MINERALIZATION

The principal known uranium deposits in this area are shown in Plate I. All the ore production has come from the Shinarump conglomerate where the uranium, commonly associated with copper, occurs in disseminated deposits in the sandstone and in veins along fractures. The uranium ore in the Shinarump conglomerate

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CORPUS CHRISTI, TEXAS

occurs principally in the lower one-third of theformation; the thickness of the ore bearing sandstones in few places exceeds 10 feet and in most deposits is less than 5 feet. Most of the larger ore bodies are in channel deposits associated with copper, and some are in fractures and apparently spread from these fractures into and along bedding planes. Surface outcrops are generally low grade due to the acid solution prevalent in this area. The Maybe mine required a drift of approximately 1900 feet before a good grade commercial ore was encountered. The Gizzmo mine, Sandy mine and others show these same tendencies. The amount of cover appears to have some control on the ore bodies.

ECONOMICS

The uranium claims are located stratigraphly at the top of the lower Chinle member (Refer to Plate I & II). They are located over a definite channel as demonstrated by outcrop patterns on the north and south of the claims. Drilling depths throughout the extent of the property will be approximately 250 feet. The channel enters Frey Point (Refer to Plate II) on the north where it measures 20 to 75 feet thick and 75 to 100 feet wide. Geiger Counter assays along places near the bottom of the channel show readins between 0.01 and 0.05 U_2O_3 with good copper showings. The south end of the channel was poorly exposed due to talus from above and no radiation was detected. The exposed northern part of the channel is not covered by this group of claims.

RECOMMENDATIONS

The ore bearing channel trends Northeast Southwest through the property. It would be adviseable to drill holes not more than one hundred feet apart at right angles to the channel trend. When a favorable zone in the channel is encountered, holes should then be drilled along the strike of the channel to "block" out any existing ore body.

Respectfully submitted,

PLATEAU ENGINEERING, INC.

(Signed)By_____
Grant L. Shumway
Geologist

CORPUS CHRISTI EXPLORATION CO., INC.
P. O. BOX 2409
CORPUS CHRISTI, TEXAS

Item 3 - Accessibility

a. Mr. A. W. Gustafson, President, Corpus Christi Exploration Co., Inc. is the person who will meet the DMEA representative. Mr. Gustafson can be contacted by mail at P O Box 2409, Corpus Christi, Texas or by phone at TUlip 2-4025, Corpus Christi, Texas to make arrangements for meeting representative in Blanding, Utah.

The property is reached by going West from Blanding, Utah through Frey Canyon to a point 12 miles short of Frey Point Store, then turn left using same road as White Canyon No. 1 Mine (Texas-Zinc Minerals) to Frey Point. Winding road but in good condition.

b. Shipping & supply point - AEC station at Happy Jack Mine, or Mexican Hat, Utah.

Facilities & living quarters for employees at Frey Point Store, 15 miles from property.

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CORPUS CHRISTI EXPLORATION CO., INC.
P. O. BOX 2409
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Item 4 - The Exploration Project;

a. It is proposed to drill 53 exploration holes 4-1/4" in diameter to an average depth of 265 feet at locations indicated on attached map. Cores taken will be 2-3/4" in diameter. The attached map locates each proposed hole relative to claim number, previous contacts and to property boundaries.

b. No access road necessary as existing road needs only some dozer work to improve it for easier travel.

c. Work can start about April 1, 1958, depending on weather. Can be completed in 30 to 60 days. One hole can be drilled on each full working day.

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CORPUS CHRISTI EXPLORATION CO., INC.
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CORPUS CHRISTI, TEXAS

Item 5 - Experience

Mr. A. W. Gustafson, President of the Corpus Christi Exploration Co., Inc. has had two and one-half yearsprospecting and exploration experience. He is the inventor and developer of the DRILL SCOUT, a highly successful light drilling machine, which he also manufactures. He has had 18 years mechanical experience and is owner and operator of a factory and a foundry now doing in excess of $300,000.00 volume per year. He has 30 patents to his credit. His financial standing is available from Dun & Bradstreet and his credit rating is published by them under the listing Gustafson Mfg. Co., Inc., Corpus Christi, Texas

Mr. Gustafson will be general supervisor of the operation.

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CORPUS CHRISTI EXPLORATION CO., INC.
P. O. BOX 2409
CORPUS CHRISTI, TEXAS

Item 6. Estimate of Costs.

(a) Independent Contracts. (Rates are standard rates in area).

Drilling.	53 holes, 4¼" dia., average 250 ft. deep, total 13,250 feet @ $2.00 per ft.	$26,500.00
Coring.	53 holes, 2-3/4" core, average 15 ft. each, total 795 ft @ $3.00 per ft.	2,385.00
Dozer.	Road improvement, 60 hours @ $12.00 per hr.	720.00

(b) Personal Services.

General Supervisor, 8 weeks @ $250.00 per week, plus travel expenses @ $100.00 per week (Mr. A. W. Gustafson, applicant. Available)	2,800.00
Geologist-Engineer, 8 weeks @ $250.00 per week, plus travel expenses @ $100.00 per week (Several available in area)	2,800.00

(c) Operating materials & supplies.

Operation of ½T pickup for Supervisor and Geologist-Engineer, 8 weeks @ $35. per week	280.00

(d) Operating equipment.

½T pickup leased for Supervisor and Geologist-Engineer , 8 weeks @ $40.00 per week	320.00

(e) Initial rehabilitation & repairs.

None

(f) New buildings, fixtures, installations.

None

(g) Miscellaneous.

No repair or maintenance costs. Accountant's fee	200.00

TOTAL, Item 6 . . . . . $36,005.00

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CORPUS CHRISTI EXPLORATION CO., INC.
P. O. BOX 2409
CORPUS CHRISTI, TEXAS

Item 7.

a. The applicant is prepared to furnish his share of the cost of the proposed project in accordance with the regulations on Government participation stated in Sec. 7 of DMEA order-I, Amended.

b. Applicant's share will be furnished by providing personal services as general supervisor and the balance in cash.

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Docket

Eugene Ellis

March 21, 1958

Summary of Proposed Project

Object: Denial of application for exploration aid.

Docket No.: DMEA-4863

Commodity: Uranium

Applicant: Corpus Christi Exploration Co., Inc. (a Utah corporation)
P. O. Box 2409
Corpus Christi, Texas

Property: Consists of 13 contiguous unpatented lode mining claims in secs. 25 and 36, T. 36 S., R. 16 E., and in secs. 30 and 31, T. 36 S., R. 18 E., S.L.M.&B., San Juan County, Utah. The claims are Dixie Nos. 20 through 32.

Property Rights: Applicant has a 99 year lease, dated from February 26, 1956, from J. E. Kirby, Grant L. Shumway and Douglas J. Davis.

Application dated: October 23, 1957

Application Amount: $36,005.00

Received in Division: November 11, 1957

Referred to Field Team: November 12, 1957

Field Examination: January 15, 1958

Field Team Report received in Division: March 18, 1958

Work Proposed:

Consists of drilling 53 (13,250 feet non-core and 795 feet of core) holes to an average depth of 265 feet to test the underlying Shinarump member of the Chinle formation. The drill pattern consists of NW-SE trenching fences of holes across the indicated channel trends with the holes spaced 100 feet apart.

Explorations to date consist of 58 non-core holes concentrated largely in three areas. Probing results of these holes by the Applicant's consultant gave one radiometric value for each of 7 slightly mineralized holes, and stated that three other holes encountered ore.

Estimated Cost:

Independent Contracts

13,250 ft. of non-core drilling @ $2/ft.	$26,500.00	
795 ft. of core drilling @ $3/ft.	2,385.00	
60 hrs. bulldozing roads @ $12/hr.	720.00	$29,605.00

Personal Services

Supervisor - 8 weeks @ $250/week plus travel expenses @ $100/week	$2,800.00	
Geologist - 8 weeks @ $250/week plus travel expenses @ $100/week	2,800.00	$5,600.00

Operating material & supplies

Operating ½-ton pickup truck, 8 weeks @ $35/week	280.00	280.00

Operating Equipment

Rental ½-ton pickup truck, 8 weeks @ $40/week	320.00	320.00

Miscellaneous

Accounting	200.00	200.00

Total Estimated Cost of the Project $36,005.00
Government Participation @ 75% $27,003.75

Field Team Report - dated February,,1958, by N.L. Archbold, USGS and M.H. Salsbury, USBM:

The claims are situated on the west flank of the Monument upwarp where the sediments dip about 1½ degrees toward the southwest. No folds or faults are known in the vicinity of the property. Sedimentary formations of Permian and Triassic age are exposed in the area.

Significant uranium deposits, in the area, occur only within channels in the Shinarump member of the Chinle formation. Deposits tend to occur within depressions along the floor of channels, associated with coalified plant remains. Ore minerals are disseminated through the sandstone or replace coalified plant remains. Uraninite, the principal ore mineral, is associated with significant amounts of copper sulphides. Drilling on the property has shown the presence, on the Dixie No. 20 claim, of an elongated, thick lense of Shinarump. Also, 10 to 30 feet of Shinarump is exposed northeast of this drilling and on the point (the most southern part of the claims) covered by Dixie No. 26 claim. These exposures indicate two thick lenses of Shinarump sandstone trending northeasterly across the property. However, no channel scour is evident in these exposures. AEC Geologist, familiar with the area, believes no channel is associated with these thick Shinarump lenses.

The southeasterly area of the claims has been explored with 31 holes, and by 21 holes in the northwest part. Only one of the 21 holes which penetrated 1.2 feet of material containing 0.15% eU_3O_8 is classed as an ore hole. There are no data on the remaining 37 holes except that one

hole is reported to have penetrated 6.7 feet containing an average 0.15% eU_3O_8. Drilling in the vicinity of the mineralized holes apparently has been sufficient to test the ground for significant layers of ore minerals but none were found.

The results of AEC drilling, near the claims, and the Applicant's drilling on the claims indicates that the tenor and thickness of ore which might be found would be low. Also that the exploration completed provides enough information to show that significant bodies are not to be expected on the property, and the application should be denied.

Commodity Members' Comments:

USBM, James Paone, March 17, 1958:

Agrees with Field Team; the application should be denied.

USGS, W. P. Williams, March 18, 1958:

"Considerable drilling has already been done on the property. The AEC drilled 128 drill holes near the property. A total of 58 non-core holes have been drilled on the property. The best hole showed only a thickness of 1.2 feet of mineralized rock that had an average grade of 0.15 percent eU_3O_8.

"The examiners believe that there is little possibility of finding more than a few hundred tons of low grade ore on the property. Past drilling shows that significant ore bodies are not to be expected on the property. I am in agreement with recommendations for denial of the application."

Div. of Rare and Miscellaneous Metals, F. L. Knouse, March 21, 1958:

An examination of the property indicates that there is little possibility of finding more than a few hundred tons of low-grade ore on the property. Also, that additional exploration with Government assistance is not justified. I am in agreement with the recommendations that the application should be denied.

Conclusions:

A review of all our information relating to the proposed project indicates that the chances of making a significant discovery of uranium on the property is not promising. Therefore, the application should be denied.

Ernest Wm. Ellis

Ernest Wm. Ellis, Director
Division of Rare and
Miscellaneous Metals

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

225

224 New Customhouse
Denver 2, Colorado

April 4, 1958

Memorandum

To: Chairman, Operating Committee, DMEA

From: Acting Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA 4863 (Uranium) Corpus Christi Exploration Company, Inc. (Dixie Claim Group) San Juan County, Utah

This responds to your letter of March 26, 1958, on the subject docket.

Enclosed is the copy of the Mining Lease and Option dated February 27, 1956, between Grant L. Shumway and Douglas J. Davis, lessors, and Corpus Christi Exploration Company, lessee.

E. N. Harshman

E. N. Harshman

[illegible]

[illegible]

[illegible]

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[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Original signed by
E. N. HARSHMAN

[illegible]

EMC:dp

cc: Harshman
Holdsworth
Docket
Chron.

CORPUS CHRISTI EXPLORATION CO., INC.
P. O. BOX 2409
CORPUS CHRISTI, TEXAS

Exact copy of lease

To accompany item 1 (c)

Application for DMEA loan

* *

MINING LEASE AND OPTION.

THIS AGREEMENT, made and entered into this 27th day of February 1956, by and between GRANT L. SHUMWAY and DOUGLAS J. DAVIS, hereinafter known as LESSORS, and CORPUS CHRISTI EXPLORATION COMPANY, a Utah corporation, hereinafter known as LESSEE,

WITNESSETH:

That for and in consideration of the covenants and agreements herein reserved to be kept and performed and the consideration to be paid, the parties mutually agree as follows;

I

Lessors do hereby lease, let and demise unto the Lessee those certain described mining properties situated in Section 25, Township 36 South, Range 16 East, Salt Lake Base and Meridian, San Juan County, State of Utah, the names of said claims and the notices of location thereof being recorded in the office of the County Recorder of San Juan County, Utah, being as follows, to-wit;

Name of Claim;	Book Redorded;	Page;
Dixie #20	289	473
Dixie #21	289	473
Dixie #22	289	474
Dixie #23	289	474
Dixie #24	289	475
Dixie #25	289	475
Dixie #26	289	476
Dixie #27	289	476
Dixie #28	289	477

DMEA
DEPARTMENT OF THE INTERIOR
APR 3 - 1958
REGION III
DENVER, COLORADO

Together with all and singular the minerals, lodes and veins within the lines of said mining claims, and all dips and spurs and rights and privileges and appurtenances thereto appertaining or in any wise belonging. Also together with any and all right, title and interest hereafter acquired by Lessors, or by anyone for the benefit of Lessors in and to said mining claims, or the lands covered thereby, whether under and by virtue of said notices of Location or any other Notices of Location or Ammended Notices of Location or otherwise.

II

To have and to hold the same for the purpose of exploration, development and mining, for the term of ninety-nine (99) years from the date hereof unless terminated as herein provided.

III

The Lessee, for and in consideration of the leasing of the subject mining properties, has covenanted and agreed, and by these presents does covenant and agree with Lessor, upon the execution of this agreement, to deliver the sum of Five Thousand Dollars ($5,000.00) in escrow to the law firm of Fowler and Matheson, Salt Lake City, Utah, upon the following conditions and for the following purposes;

The said amount is to be used to finance exploration of the subject premises by core drilling; the exploration and drilling is to be performed by a drilling rig to be supplied and operated under the direction and supervision of Lessors, as independent contractors under the terms and conditions of an initial drilling contract to be executed by the parties hereto simultaneously with this lease agreement; excrow agent is directed to pay to Lessors the sum of Twenty-Five Hundred Dollars ($2,500.00) as the commencement of the initial drilling program and the sum of Twenty Five Hundred Dollars ($2,500.00) upon notice of its completion. At the conclusion of the aforementioned initial drilling program, the Lessors shall give written notice thereof to Lessee that said work has been completed in

accordance with the initial drilling contract, and thereafter Lessee shall have three (3) days in which to inspect the drilling results and all other exploration data; Lessee shall thereafter have four (4) days in which to place an additional Five Thousand Dollars ($5,000.00) with the said excrow agent, which amount shall be paid over to Lessors, as drillers and independent contractors, according to the terms of the second drilling contract to be executed within seven (7) days next following the completion of the initial drilling contract and notice given as herein provided, and upon the completion of Five Thousand Dollars ($5,000.00) worth of additional drilling.

It is expressly agreed and understood that the Lessee shall have the option of either terminating this lease at the completion of the initial drilling agreement, in which event all rights created hereunder in Lessee shall cease, or continuing the Lease under the terms set forth herein by deposit of the additional Five Thousand Dollars ($5,000.00) with the excrow agent, to be paid over as above provided, and the execution of the second drilling agreement.

IV

Upon the execution of this agreement and ~~the~~ subject to the foregoing provisions Lessee shall have the exclusive right and privilege of entering upon said leased premises and to take immediate possession thereof for the purpose of exploring, prospecting, developing, mining, removing, shipping, treating, selling and disposing of uranium ores, vanadium, copper and other related and associated minerals and all radio-active elements and compounds whatsoever upon or underlying said leased premises and the right and privilege to construct whatever works, buildings, mills, ditches, machinery and appliances as may be necessary or convenient for the mining, preparation or marketing of the minerals,and to use so much of the surface of the leased premises as reasonably may be required for the excercise of the rights and privileges herein granted.

V

In consideration of this lease the Lessee hereby covenants and agrees with the Lessors as follows;

a. That all work performed by the Lessee shall be done in a good and workmanlike manner and all improvements placed thereone by Lessee shall be erected in a good and workmanlike manner according to good mining practices and at the sole cost and expense of Lessee; and, should said drilling establish the existance of uranium ore in commercial quantity and quality, that Lessee, will, within ninety (90) days from the date of completion of the entire drilling program commence mining said premises and in said mining operation to employ not less than fifty (50) man shifts consisting of eight (8) hours per shift, each calendar month during the term of this agreement.

b. The Lessee agrees to occupy and hold all crevices, side veins, spurs, feeders, cross-lodes, parrallel lodes, or mineral deposits of any kind, which may be discovered in working under this lease, as the property of the Lessors; with the privilege to Lessee of working the same, as an appurtenance of the demised premises during the term of this lease; and not to locate or record the same, or any fractions existing between any of the leased mining claims, or allow the same to be located or recorded, except in the name of the Lessors;

c. To well and sufficiently timber the mine at all points where proper in accordance with good mining practice.

d. To furnish at their own cost and expense, all the necessary tools, equipment and labor which shall be necessary in carrying out the proper mining of the premises.

e. To allow the Lessor, or their agent or agents, at all reasonable times to enter upon and into all parts of said property for the purpose of inspection.

f. To give Lessors, or its agent or agents, access to all of Lessee's books and papers connected in any way with their operation upon said property and to make such reports as may be reasonable when requested by Lessors and to permit the Lessors to audit the records of the Lessee in connection with its operation of said mining property.

g. To expend the development allowance of fifty cents ($0.50) per pound, or any other amount paid pursuant to the Atomic Energy Commission's Domestic Circular No. 5, as amended, to the extent received for ore mined on the leased premises, solely for development work on said leased premises and not for development work on any other property.

h. To assume any and all risk and responsibility for any damage or injury to persons or property that Lessee or any of their employees might sustain while mining said premises or carrying on any work or activities in connection therewith.

i. To comply with all the laws of the State of Utah and of the United States of America, while conducting their mining operations, and to keep and maintain Workmen's Compensation coverage and insurance as required by law; and in case of any claim or suit arising, made or filed in connection with or arising out of the operation of said mining premises, said Lessee will defend the same at their own expense and cost, and will hold Lessors harmless from liability therefrom and indemnify Lessors against all damage, loss, costs and expenses on account thereof; and to comply with the provisions of the Social Security Act as it applies to any person or persons employed by them on said mining premises or in connection with the operation contemplated by this agreement.

j. To pay promptly for all labor, materials and supplies used or furnished by Lessee upon said premises and to defend against any suits or claims therefor at their own expense and cost and to hold Lessors harmless from liability and indemnify Lessors for any and all claims and liens for any such labor, materials or supplies.

k. To execute such formality or formalities as may be necessary or desireable to fully and clearly effectuate all or any of the terms and provisions of this lease including but not limited to the execution and recording of all necessary desireable Amended Notice or Notices of Location, if any.

VI

Lessee shall pay to Lessors on all ores extracted and shipped or sold from the leased premises a royalty of ten (10) per cent of the gross returns, as herinafter set out, from the sale of all minerals and ores extracted hereunder from the leased premises, to be paid as follows, to-wit: Nine (9) per cent to be paid to Lessors and one (1) per cent to be paid to Mr. J. E. Kerby. It is expressly agreed by and between the parties hereto, that haulage and transportation allowance and development allowances, as paid to Lessee by an government agency or otherwise, shall not be deemed to constitute a portion of the gross purchase price for the purpose of determining royalties payable hereunder, but any premium or bonus payments paid to Lessee in connection with the production and sale of ores produced hereunder and based upon the quantity and/or quality of the ore so purchased, shall be deemed to be part of the gross purchase price and shall be included in the computation of royalties to the extent that payment of royalties on such bonus or premium payments is not contrary to law or government regulation.

Such reserved royalty interest shall expressly include, and not be in addition to, any royalty or other payment or payments with respect to production payable to any other party or parties under any reservation assignment or conveyance heretofore made involving said mining claims or ores or minerals extracted therefrom.

Any amount due and payable to Lessors or the said J. E. Kerby as royalty on any shipment of ore extracted and shipped or sold hereunder shall be paid by Lessee to Lessors and J. E. Kerby on or before the 15th day of the month next succeeding the calendar month during which Lessee shall have received payment for such shipment.

VII

Lessee shall not mix any ores from the demised premises with the ores, minerals or products therefrom derived from any other property.

VIII

In the event there are any liens or encumberances against said leased premises, or in the even any liens or encumberances shall hereafter accrue against the same by acts or neglect of Lessors, then Lessee may at its option pay and discharge the same, and if Lessee elects to do so then Lessors agree to repay Lessee upon demand all such sums paid by Lessee, together with interest thereon from the date of payment of said sum or sums at the rate of eight (8) per cent per annum until paid.

CORPUS CHRISTI EXPLORATION CO., INC.
P. O. BOX 2409
CORPUS CHRISTI, TEXAS

IX

Lessee further covenants and agrees, during the term of this lease, to perform the annual labor required by law in order to maintain the lands leased hereunder valid and to make and file necessary affidavits thereof and further to furnish the Lessors with evidence thereof on or before the 30th day of May of each year during the term hereof.

X

It is mutually understood that this lease is issued only under such title as the Lessors may now hold and that in the event the Lessors shall hereafter be divested of such title, the Lessors shall not be liable for any damages sustained by Lessee nor shall Lessee be entitled to or claim any refund of royalties or to other amounts theretofore paid to the Lessors and the Lessee will not hold or attempt to hold the Lessors liable in damages or otherwise on account of Lessee's possession thereof being disturbed. This provision pertains onlyto claims by Lessee against Lessors and does not relieve Lessors from demands of third-party claimants, who may divest Lessors of title.

XI

In the event of termination of this lease for any reason whatsoever, the Lessee agrees to furnish Lessors with copies of all drilling and sampling maps and data, reports of Metallurgical tests, a map accurately showing the development work performed by the Lessee upon the leased mining claims, and copies of any and all geological maps relating to said leased premises prepared by Lessee.

Subject to the right of Lessors to conduct drilling operations upon the subject premises as hereinabove provided, it is agreed that Lessee, at any time, may surrender and terminate this lease upon giving the Lessors ten (10) days notice in writing and paying to Lessors all royalties and other sums due and payable to Lessors to the effective date of such surrender.

This lease is made upon the condition that Lessee shall perform all of the covenants and agreements herein set forth to be performed by them, and if at any time there shall be any default on the part of Lessee due to other than acts of God, strikes, storms, floods, a public enemy, or unusual casualty, or other cause entirely beyond Lessee's control, and if such default shall continue for a period of thirty (30) days after written notice thereof being given to Lessee by Lessors, then and in such event this lease shall terminate or shall remain in force at the option of Lessors, and if Lessors elect to terminate said lease the leased premises shall revert to Lessors, and the Lessee shall deliver to Lessors the leased premises.

XII

It is mutually understood and agreed that in case of forfeiture, surrender or other termination of this lease, all underground timbering supports, shaft linings and other fixtures necessary for the preservation of any mines, and all rails or head frames upon on in the said leased premises shall be and remain a part of the realty and shall revert to the Lessors without further consideration or compensation. It is further agreed that all personal property of Lessee located within or upon the leased premises, and all buildings, machinery, equipment and tools, excepting those fixtures as above set forth to become the property of Lessors, shall, in case of forfeiture, surrender,or other termination of this lease, remain upon the leased premises, and be held as a guarantee in lieu of bond until all terms of this lease with respect to payment of royalties and the preservation of the property shall have been complied with. Upon such compliance with the performance of such conditions and obligations the Lessee shall be entitled to, and may, within ninety (90) days after such termination of this lease or within such extension of time as may be granted by Lessors, remove from the leased premises such personal property and improvements, other than those items which are to remain the property of Lessors as above provided.

XIII

Any notice contemplated herein to be served upon Lessee shall be in writing and shall be sufficiently given if deposited in the United States mail, postage prepaid and registered, and addressed as follows;

Corpus Christi Exploration Co.
Box 884
Moab, Utah, or at such other address as Lessee may from time to time designate.

Any notice contemplated herein to be served upon Lessors shall be in writing and shall be sufficiently given if deposited in the United States Mail, postage prepaid and registered, and addressed to Lessors as follows;

Grant L. Shumway and Douglas J. Davis
Box 101
Blanding, Utah

or at such other address as Lessors may from time to time designate by written notice to Lessee.

XIV

The provisions hereof shall inure to the benefit of and shall be binding upon the successors in interest, legal representatives and assigns of the respective parties hereto, but no party hereto shall be chargeable with notice of any assignment or conveyance until such party shall have been furnished with written notice thereof and with a duplicate certified or photostat copy of the instrument of assignment or conveyance.

IN WITNESS WHEREOF, the parties hereto have executed these presents the day and year first above written.

(Signed)_____
Grant L. Shumway

LESSORS

(Signed)_____
Douglas J. Davis

CORPUS CHRISTI EXPLORATION COMPANY

(Signed)By_____
Vice-President

LESSEE (SEAL)

(Signed)By_____
Secretary

* *

ACCEPTANCE OF ESCROW:

1. The undersigned excrow holder hereby acknowledges receipt from Lessee in the foregoing leease agreement of the excrow fund in the sum of Five Thousand Dollars ($5,000.00), mentioned and describedtherein, and hereby agrees to hold, administer, distribute, and/or return the moneys in the excrow fund in accordance with the terms and provisions of the foregoing agreement applicable thereto, and the undersigned also agrees wholly to perform each and all of the terms and conditions of this agreement imposed upon the undersigned thereby.

Dated this 27th day of February 1956

FOWLER AND MATHESON

(Signed)By_____
Scott M. Matheson, Jr.

2. The undersigned excrow holder hereby acknowledges receipt from Lessee in the foregoing Lease Agreement of the excrow fund in the sum of Five Thousand Dollars ($5,000.00), mentioned and described therein, and hereby agrees to hold, administer, distribute, and/or return the moneys in the escrow fund in accordance with the terms and provisions of the foregoing agreement applicable thereto, and the undersigned also agrees wholly to perform each and all of the terms and conditions of this agreement imposed upon the undersigned thereby.

Dated this 24th day of Match 1956

FOWLER AND MATHESON

(Signed)By_____
W. G. Fowler

Original signed by
E. N. HARSHMAN

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
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[illegible]	[illegible]	[illegible]
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[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
3/21	[illegible]	[illegible]

[illegible] 1958

[illegible]
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[illegible]

Re: [illegible]
[illegible]
[illegible]
[illegible]

3/21 [illegible]

Dear Mr. [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Sincerely yours,

(signed)

[illegible]

FLKnouse/izm 3-21-58
cc: Mr. Knouse
Admr.'s Reading File
Operating Committee
THKillsgaard, 5224
DMEA FT Reg. 3 (2)

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
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[illegible]

[illegible]

George C. Selfridge

[illegible]

P. F. Yopes

[illegible]

Thor H. Kilsgaard

[illegible]

FLKnouse/izm 3-24-58
cc: Mr. Knouse
Admr.'s Reading File
Operating Committee
THKilsgaard, 5224

0625

IN REPLY REFER TO:

DMEA
RECEIVED MAR 19 1958

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

3/19 C 220
3/26 FCC 760
Complete

March 18, 1958

Memorandum

To: E. W. Ellis, Defense Minerals Exploration Administration

From: W. P. Williams, U. S. Geological Survey

Subject: Review of field examination report, DMEA 4863 (uranium) Corpus Christi Exploration Company, Inc., Dixie claims, San Juan County, Utah

The examining team report that conditions on the applicant's property are not good from the standpoint of making a worthwhile discovery of uranium ore. The ore host rock, the Shinarump member, is essentially absent in the central part of the Dixie group of claims. A lens of Shinarump exists near the eastern side of the claims, but the lens shows no evidence of channel scouring, and if any deposits are present they would be small.

Considerable drilling has already been done on the property. The AEC drilled 128 drill holes near the property. A total of 58 non-core holes have been drilled on the property. The best hole showed only a thickness of 1.2 feet of mineralized rock that had an average grade of 0.15 percent eU_3O_8.

The examiners believe that there is little possibility of finding more than a few hundred tons of low grade ore on the property. Past drilling shows that significant ore bodies are not to be expected on the property. I am in agreement with recommendations for denial of the application.

W. P. Williams

W. P. Williams

OFFICE
DMEA
RECEIVED 18 1958
DATE
3/18 C 220
3/18 FLK 700

March 17, 1958

4863

Uranium
Corpus Christi Exploration Co., Inc.
Dixie claims
San Juan County, Utah
$36,005.00

Ernest William Ellis, DMEA Member
Uranium Commodity Committee
James Paone, Bureau of Mines Member
Uranium Commodity Committee

Field Team Report

3/10/58 3/12/58

x

x

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

224 New Customhouse
Denver 2, Colorado

March 10, 1958

3/12 C 220
3/14 2B 130
3/17 C 220
3/18 700

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA 4863 (Uranium) Corpus Christi Exploration Company, Inc., (Dixie claims) San Juan County, Utah

Enclosed are the original and two copies of the Joint Report of Examination on the subject property.

The field examiners conclude that the exploration which has been accomplished to date, even though not efficiently performed, has provided enough information to show that sufficient ore is not to be expected on the property. They recommend that the applicant's work proposal be denied, in which the field team concurs.

W. H. King

W. H. King

Reviewed by
DMEA OPERATING COMMITTEE
3-14-58
(date).

DMEA

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
REGION III
DENVER, COLORADO

MAR 7 - 1958

IN REPLY REFER TO:

MINERAL DEPOSITS
DMEA
RECEIVED
MAR 6 1958
U. S.
GEOLOGICAL SURVEY
DENVER, COLORADO

8/14 2/3 130

220

Reviewed by
DMEA OPERATING OFFICER
3-14-58
(date)

TRANSMITTED
MAR 10 1958

O B Elson

3/14 [illegible] 130 220

UNITED STATES
DEPARTMENT OF THE INTERIOR
FRED A. SEATON, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY EXAMINING TEAM
REGION III

TRANSMITTED

MAR 10 1958

DMEA 4863

Corpus Christi Exploration Company, Inc.

Dixie claims

San Juan County, Utah

Uranium

Joint Geologic and Engineering Report

by

N. L. Archbold
U. S. Geological Survey

M. H. Salsbury
U. S. Bureau of Mines

February 1958

Reviewed by
FEDERAL [illegible]
3-14-58
(Date)

DMEA 4863
CORPUS CHRISTI EXPLORATION COMPANY, INC.
DIXIE CLAIMS
SAN JUAN COUNTY, UTAH

CONTENTS

Joint Geologic and Engineering Report

	Page
Introduction and Summary	1
Acknowledgments	3
Location, Topography, and Physical Features	3
History, Production, and Property Ownership	4
Present Status	
Previous exploration	7
Mining equipment and other facilities	8
General Geology	8
Ore Deposits	13
Proposed Exploration	14
Conclusions and Recommendations	15

TABLES

Number		
1.	Triassic formations in the vicinity of the Dixie claims	10

ILLUSTRATIONS

Figure		Follows page
1.	Index map of part of Colorado Plateau, showing location of Dixie claims, Corpus Christi Exploration Co., Inc., San Juan County, Utah	16
2.	Geology in the vicinity of the Dixie claims, Corpus Christi Exploration Co., Inc., San Juan County, Utah	16
3.	Previous drilling and inferred extent of Shinarump sandstone on the Dixie group of claims, Corpus Christi Exploration Co., Inc., San Juan County, Utah	16

DMEA 4863
CORPUS CHRISTI EXPLORATION COMPANY, INC.
DIXIE CLAIMS
SAN JUAN COUNTY, UTAH

INTRODUCTION AND SUMMARY

The Corpus Christi Exploration Company, Inc., a Utah corporation, P. O. Box 2409, Corpus Christi, Texas, applied on October 31, 1957, for DMEA assistance to explore for uranium on the Dixie group of 13 claims on Fry Point mesa in the White Canyon mining district, San Juan County, Utah.

A field examination was made, January 15, 1958, by a DMEA examining team accompanied by Grant Shumway and Robert Morrow of Blanding, Utah, representing the applicant. The DMEA geologist first examined the property by air in company with the applicant's representatives. Afterward the area was examined in detail on the ground.

An exploration program requiring an estimated 13,250 feet of non-core drilling and 795 feet of core drilling in 53 holes averaging 265 feet deep was proposed at a maximum cost of $36,005.00. Government participation on the application at 50 percent is $18,002.50.

Uranium deposits in the Fry Canyon area occur in the Shinarump member of the Chinle formation, and are localized where sandstone and conglomerate of the Shinarump member fill stream channel scours in the top of the underlying Moenkopi formation. Two such channels are located a short distance to the northwest of the Dixie claims; one, the Widowmaker channel,

is barren, while the other, the White Canyon channel, contains an ore deposit estimated to have a total production and reserve of about 20,000 tons of ore averaging about 0.25 percent U_3O_8. A small channel probably trends northeasterly across the western end of the property; it has been partially explored and may contain a few small pods of ore. A thick lense of Shinarump occurs near the eastern side of the Dixie claim group, but this lense shows no evidence of channel scouring and if any deposits are present they would be quite small. The Shinarump member is essentially absent in the central part of the Dixie group of claims.

The exploration program proposed by the applicant would require drilling on nearly all the claims and is largely prospecting. It is not confined to areas which previous exploration, though poorly executed, and geologic study indicate are more likely to contain uranium deposits. Results of AEC drilling immediately northwest of the Dixie claims on the Widowmaker channel and mineralization found in drill holes on the Dixie claims indicate that the tenor and thickness of ore likely to be found is low. There is little possibility that a drilling project, even though confined to the best area, would result in discovery of more than a few hundred tons of low grade ore, or that an economic mining operation would result.

Denial of the application for DMEA exploration assistance is recommended.

ACKNOWLEDGMENTS

The applicant furnished with the brochure, three brief reports by consulting geologists, incomplete data on previous drilling, and a cost estimate supported by three bids from contractors, one of which was the applicant company.

The examining team consulted Mr. R. N. Larsen, A.E.C. geologist who is presently working in the White Canyon area, and referred to an unpublished report by L. S. Miller, D. F. Spencer, and E. W. Oertell concerning results of the Atomic Energy Commission's drilling on Fry Point mesa. Production and reserve figures were obtained from the files of the Atomic Energy Commission.

LOCATION, TOPOGRAPHY, AND PHYSICAL FEATURES

The Dixie claims are in sec. 25, T. 36 S., R. 16 E., SLM, San Juan County, Utah, on Fry Point, a narrow northwest trending mesa lying between White and Fry Canyons (fig. 1). The claims cover portions of the mesa top and a steep slope and bench on the south side of the mesa (fig. 2). They are reached over a fair access road which traverses the slopes and the mesa top and are about 10 miles from the settlement at Fry Canyon. Blanding, Utah, the nearest source of supplies, is 60 miles to the east over Utah Highway 95, a partially improved road. Grand Junction, Colorado, the nearest major source of supplies, is 217 miles northeast of Blanding, over hard surfaced highways. The claims are not as near the White Canyon No. 1

mine, lying about 1/2 mile to the northwest, as the applicant's map indicates.

There are no unusual problems of access, ore marketing, labor, supplies or power except those connected with remote location. The logical market for ores from the White Canyon area is now at the Texas-Zinc Minerals mill at Mexican Hat, Utah, 65 miles from the Dixie claims.

Preparation of some of the proposed drill sites would be difficult on the steep, boulder-strewn slopes, but easy over the rest of the clain area.

The climate of the area is arid, moderate in winter, and hot in summer. Surface exploration is feasible throughout the year except during or following occasional storms. In the exceptionally wet winters of 1957 and 1958, access roads have been impassable for longer periods than normal. Water for drilling operations must be collected in storage ponds or hauled 15 to 20 miles, so dry drilling methods are employed as much as possible.

HISTORY, PRODUCTION, AND PROPERTY OWNERSHIP

H. E. Gregory did geological reconnaissance in the general White Canyon area between 1925 and 1929. Since 1949 the Atomic Energy Commission and the Geological Survey have carried on active projects concerned with the uranium deposits of the area. Active mining has been intermittent on Fry Point mesa since 1949. From October 25, 1952 to March 30, 1953 and November 14, 1953 to January 19, 1954, the Atomic Energy Commission drilled

128 diamond-drill holes on Fry Point mesa, though none were drilled on the Dixie group of claims.

Two previous applications for DMEA assistance have been made in the immediate area. Docket No. DMEA 1931, White Canyon Mining Company, submitted in 1951, covered an application for underground exploration which in part covered underground exploration at the White Canyon No. 1 mine. The exploration as proposed was recommended for approval by the DMEA examiners, but the project did not go to contract for reasons not stated in records in the Grand Junction files. Docket No. DMEA 4655, Silver Dollar Mining Company, covered claims about 1 mile southeast of the Dixie claims on the same narrow mesa. The application was denied.

Production on Fry Point mesa has come mainly from the White Canyon No. 1 mine, about 1,500 feet northwest of the Dixie claims, and the Saddle mine, about 3,000 feet further to the northwest. As of September 30, 1957 the White Canyon No. 1 mine had produced 7,974 tons of ore averaging 0.27 percent U_3O_8 and had an indicated reserve of 12,688 tons of similar grade ore; whereas, the Saddle mine had produced 766 tons of ore averaging 0.18 percent U_3O_8 and had an indicated reserve of 513 tons averaging 0.27 percent U_3O_8.

There has been no production from the Dixie claims, and there are no measurable reserves.

The Dixie claims Nos. 20 through 28 were located by Grant Shumway and Douglas Davis, doing business as the Plateau Engineering Company of Moab, Utah, on March 15, 1955 and recorded on April 1, 1955 on pages 473 through 477, Book 289. An amended location for the Dixie No. 28 claim was recorded

on page 433, Book 299 on April 23, 1955. Ownership was transferred to Shumway and Davis as individuals later but no evidence of a transfer was submitted with the subject application.

The Dixie claims Nos. 29 through 32 were located on February 25, 1956 by the same locators as individuals and recorded on March 19, 1956 on pages 6, 8 and 9, Book 98. These 4 claims are not specifically mentioned in the lease from Shumway and Davis to the applicant but appear to be included under lease provisions.

Proofs of labor for the years ending June 30, 1957 and June 30, 1956 have been filed by the applicant.

No evidence of conflicts with other claims was found in the field, and the applicant's representative stated that there are none. The description of the Dixie No. 26 claim in the location notice on the discovery monument states that the claim adjoins the Dixie No. 25 claim on the west, but the applicant's map shows it to be south of the Dixie No. 25 claim, with the Dixie No. 31 claim intervening. There may be other discrepancies not noticed by the field examiners.

Rights to the property are vested in a 99 year lease dating from February 26, 1956 held by Corpus Christi Exploration Company, P.O. Box 2409, Corpus Christi, Texas, a Utah corporation. A. W. Gustafson, P.O. Box 2409, Corpus Christi, Texas is the president, and E. W. Jones of the same address, secretary-treasurer.

Mr. Grant Shumway, one of the owners of the property, stated to the examining team that all lessee terms have been complied with to date.

Production is subject to 9 percent royalty to Shumway and Davis on payments for uranium, and 1 percent to J. E. Kerby of Moab, Utah. Mr. Kerby acquired his interest in return for his services in lease negotiations between the owners of the property and the present lessee.

The property was subject to a Federal tax lien dated March 13, 1956 against Grant Shumway and Richard Johnson and others for wage excise taxes due in the 3rd and 4th quarters of the year 1954. Mr. Shumway furnished the examining team a copy of an unrecorded certificate of release of the Federal tax lien dated April 9, 1956.

PRESENT STATUS

Previous Exploration

Exploration to date on the Dixie claims has consisted of a total of 58 non-core holes concentrated largely in three areas on the Dixie Nos. 20, 26, 31, and 32 claims with 4 scattered holes on the Dixie Nos. 23 and 24 claims. The work has been poorly executed. Hole logs of the first 21 holes show the depths to the tops of the Shinarump member and the Moenkopi formation, and hence the thickness of Shinarump present, but lithologic details were not recorded. Probing results submitted by the consultant, Grant Shumway, who was also a partner in the Blanding Drilling Company, the contractor, give one radiometric value for each of 7 slightly mineralized holes and state that 3 other holes, Nos. 7, 10 and 19, encountered ore. However, no values are given. Other probing results on the ore holes by A. W. Gustafson, president of the applicant company, give the maximum

radiometric value obtained as 0.19 percent eU_3O_8 with the maximum thickness of mineralization greater than 0.10 percent eU_3O_8 measured in any hole as 1.2 feet. Of the 3, only hole no. 7, containing 1.2 feet of mineralization with an average content of 0.15 percent eU_3O_8, qualifies as an ore hole by Geological Survey standards.

Mr. Gustafson drilled 37 additional holes using a small prospecting drill developed by a manufacturing concern which he owns. No drilling results of this work were furnished except that one of them, no. 24 in the southeast corner of the Dixie No. 30 claim, penetrated 6.7 feet of mineralized sandstone with an average content by probing of 0.15 percent eU_3O_8. No lithologic logs, Shinarump thicknesses or other probing results were submitted on the 37 holes and it is assumed they were barren.

Mining Equipment and Other Facilities

There are no buildings or mining equipment on the property. If the proposed work were to be done by an independent contractor, he would furnish all necessary equipment. Presumably the applicant might wish to bring in his own equipment and do the work. According to a bid submitted by the applicant, a standard diameter hole is not drilled by this equipment.

GENERAL GEOLOGY

The Dixie claims lie on the west flank of the Monument upwarp where sedimentary formations dip about $1\frac{1}{2}$ degrees to the southwest. No important folds or faults are known in the immediate vicinity of the property.

Sedimentary formations of Permian and Triassic age are exposed in the area. The Triassic rocks, which unconformably overlie the Cutler formation of Permian age, are briefly described in Table 1. All significant uranium deposits in the area occur in the Shinarump member of the Chinle formation; therefore, the nature and distribution of the Shinarump member, which lies at a depth of 200 to 300 feet over most of the property, is of major importance in evaluating the property.

The Shinarump member is light gray and weathers to light yellowish gray or brown; it consists of fine- to coarse-grained, locally conglomeratic, quartzose sandstone with minor lenses of greenish gray mudstone. Coalified or silicified plant remains are locally abundant. The Shinarump tends to occur as broad elongate lenticular masses which probably represent fillings of ancient stream channels. Where the basal contact of the Shinarump is markedly convex downward into the underlying Moenkopi formation, and can be traced laterally for some distance, the term "channel" has been applied. Two channels, both trending northeasterly, have been detected near the Dixie group of claims (fig. 2). The Widowmaker channel has been traced by A.E.C. drilling; it is about 200 feet wide, has about 10 feet of scour at the base, and contains up to 30 feet of Shinarump sandstone. The White Canyon channel, which is parallel to and about 1,200 feet northwest of the Widowmaker channel, has also been traced by A.E.C. and private drilling. It is somewhat broader and shallower than the Widowmaker channel and becomes indistinct and dies out to the southwest so it is not evident in the outcrop.

Table 1.--Triassic formations in the vicinity of the Dixie claims.

Formation	Approximate Thickness in feet	Description
Wingate	300	Red-brown, fine-grained sandstone; massive and crossbedded. Forms vertical cliff.
Chinle	145	Church Rock member.-Red and red-brown siltstone with minor lenses of fine-grained, crossbedded sandstone. Forms steep slope.
	290	Owl Rock member.-Red brown siltstone with thinly bedded red and gray limestone. Forms steep slope.
	140	Petrified Forest member.-Varicolored, bentonitic claystone and mudstone. Forms steep slope.
	70-75	Moss Back member.-Light gray sandstone, fine- to medium-grained, with mudstone and conglomerate lenses. Forms cliff and caps mesas.
	135	Monitor Butte member.-Gray and purple, bentonitic mudstone with lenses of fine-grained to conglomeratic sandstone. Forms steep slope.

Table 1. (con't.)

Formation	Approximate Thickness in feet	Description
	0-40	Shinarump member.-Fine- to coarse-grained and conglomeratic, light gray, lenticular sandstone. Contains lenses of mudstone. Forms bench or ledge.
- - - - - - - - - - - - - UNCONFORMITY	- -	
Moenkopi	195	Brown to red-brown siltstone and interbedded fine-grained sandstone. Forms cliff or steep slope.

Random drilling by the operator has shown the presence, on the Dixie No. 20 claim, of an elongate, thick lense of Shinarump (fig. 3). Unfortunately, only thicknesses, no elevations, were reported for the holes and it is not clear whether this thickening represents the filling of a channel scour or is an isolated lense overlying the main part of the Shinarump. The fact that this thick lense trends generally parallel to the Widowmaker channel and contains mineralized rock at the base indicates that it is truly a channel about 200 to 250 feet wide, with a scour of 10 to 15 feet into the underlying Moenkopi formation. Judging from known trends in the area, this channel probably trends southwesterly across the southwestern half of the Dixie No. 32 claim (fig. 3).

Shinarump sandstone 10 to 30 feet thick is exposed to the north of Dixie Nos. 27 and 28 claims and on the point covered by Dixie No. 26 claim (fig. 2). These exposures indicate a thick lense of Shinarump sandstone trends northeasterly across the eastern part of the property. No channel scour into the underlying Moenkopi formation is evident in the exposures. The applicant has explored the southeastern end of this lense with 31 drill holes, but apparently no record of this drilling was maintained. The applicant states there is evidence of a channel in hole no. 24, but gives no factual data and mentions no evidence in any of the other holes. Geologists of the Atomic Energy Commission who have worked in the area believe there is no channel associated with this thick Shinarump lense.

The distribution of Shinarump sandstone in exposures around the Dixie claims and the applicant's report that the Shinarump is absent in drill holes 1, 2, 3 and 4, indicates that the Shinarump is absent in a belt, up to 1,000 feet wide, which extends northeasterly across the center of the property (figs. 2 and 3). Along the eastern 400 feet of the property the Shinarump is probably also absent (figs. 2 and 3).

ORE DEPOSITS

Significant uranium deposits, in the White Canyon area, occur only within channels in the Shinarump member of the Chinle formation. Deposits tend to occur within depressions along the floor of channels, and are associated with coalified plant remains and underlying Moenkopi siltstone which is bleached to greenish gray. Individual ore bodies are flat lying and roughly lenticular with a thickness up to several feet and a long dimension up to 100 feet. An ore deposit commonly consists of several such individual ore bodies, either interconnected or strung out along the floor of the channel.

Ore minerals are disseminated through the sandstone or replace coalified plant remains. Uraninite, the principal ore mineral, is associated with significant amounts of copper sulfides. Oxidation near the outcrop has resulted in the formation of limonite from pyrite and azurite or malachite from the copper sulfides. Where oxidation has taken place, the uranium appears to have been largely leached, probably in the soluble sulfate form, and significant uranium deposits are rare in areas where the Shinarump is not protected from weathering.

The White Canyon No. 1 deposit, the largest on Fry Point mesa, is in the White Canyon channel about 1,500 feet northwest of the Dixie claims. The Widowmaker channel has been explored by the A.E.C. and no significant deposits are present in this channel. No deposits are known on the Dixie group of claims. No apparent channel is associated with the thick Shinarump lens in the eastern part of the property, but one hole (no. 24) is reported to have penetrated 6 feet of material averaging about 0.15 percent U_3O_8 on a "Babbel" probe. This may be an isolated pod of ore, as the applicant was apparently unable to trace any mineralized zone or structure. No deposits can be expected in the central or extreme eastern parts of the property where continuous Shinarump sandstone is apparently absent. This leaves the extreme western part of the property where a channel may extend across the Dixie No. 20 and 32 claims (fig. 3). If inferences are correct, this channel has a length of about 1,500 feet, 900 feet of which have been explored by the applicant. No significant deposits have been found in the explored part of the channel, though two deposits, each containing up to several hundred tons of ore-grade material, may be present.

PROPOSED EXPLORATION

The applicant's exploration proposal would require 13,250 feet of non-core drilling and 795 feet of core drilling in 53 holes averaging 265 feet in depth at an estimated overall cost of $36,005.00. Government participation at 50 percent would be $18,002.50.

Three drilling bids were submitted by the applicant including one by the company itself. This was the low bid but the size of the core obtained was less than standard. Presumably the "Drill Scout", a light drill manufactured by the president of the applicant company, would be used. Mr.Shumway reported that considerable difficulty was experienced with this drill unit during the last project on the Dixie claims, and that no core was obtained.

The program presented is not based on the results of previous drilling but is laid out in northwest-southeast fences covering most of the claim area, rather than being concentrated in areas where the results of previous drilling, even though meagre, and geologic reconnaissance of outcrops show the Shinarump member to be present. The applicant's ideas on the location of possible channels, including the suggestion that the small scour on the Dixie Nos. 20 and 32 claims containing low-grade mineralization is a continuation of the White Canyon No. 1 channel, are not substantiated by geologic study.

In view of the conclusions reached by the examining team as a result of its field examination, an alternate exploration plan is not presented.

CONCLUSIONS AND RECOMMENDATIONS

Evidence to date leads to the conclusion that there is little possibility of finding more than a few hundred tons of low-grade ore on the property. The tenor and thickness of mineralized rock in most drill holes is poor, and A.E.C. drilling on the Widowmaker channel indicates that uranium mineralization decreases southeasterly from the White Canyon No. 1

channel. It is concluded that exploration done to date, even though not efficiently performed, has provided enough information to show that significant ore bodies are not to be expected on the property. Denial of the application for exploration assistance under Docket No. DMEA 4863 is recommended.

U. S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DEFENSE MINERALS EXPLORATION ADMINISTRATION
FEBRUARY 1958
DOCKET 0869

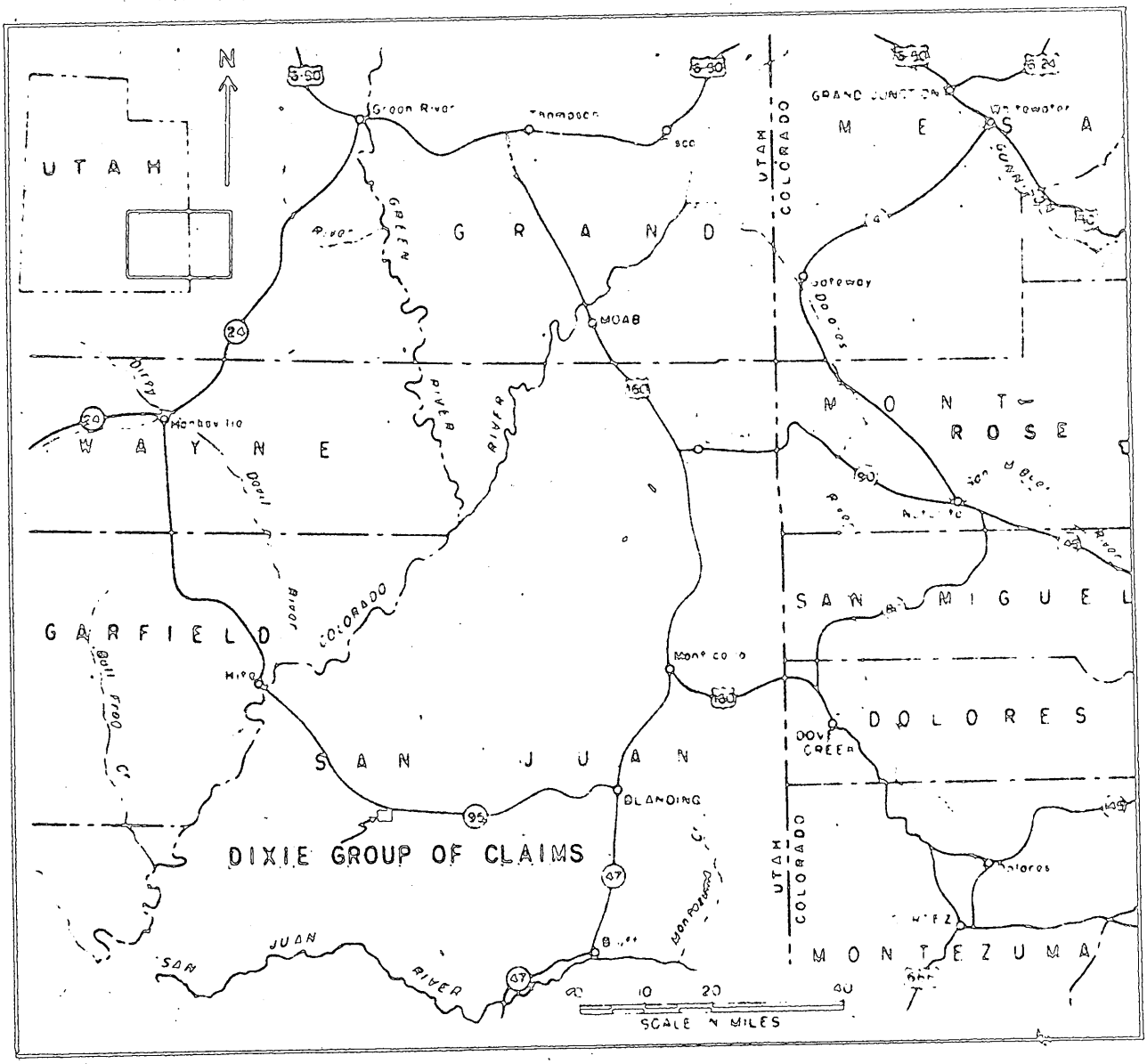
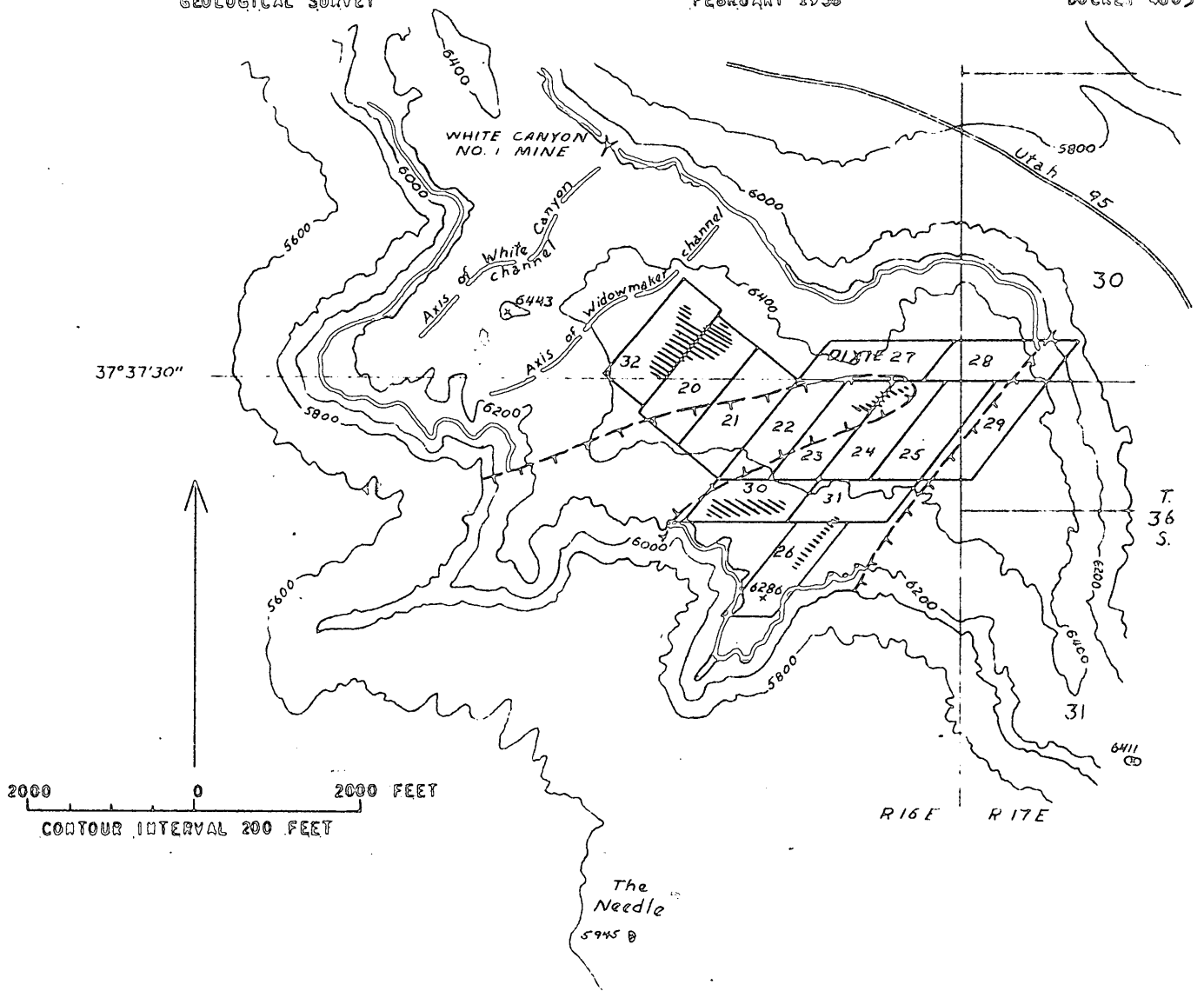


FIGURE 1.--INDEX MAP OF PART OF COLORADO PLATEAU SHOWING LOCATION OF DIXIE CLAIMS, CORPUS CHRISTI EXPLORATION CO., INC., SAN JUAN COUNTY, UTAH.

U.S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DEFENSE MINERALS EXPLORATION ADMINISTRATION
FEBRUARY 1958
DOCKET 4863



EXPLANATION

BASE OF CONTINUOUS SHINARUMP SANDSTONE

INFERRED LIMIT OF CONTINUOUS SHINARUMP SANDSTONE

AREAS OF APPLICANTS DRILLING

Note: TOPOGRAPHY TAKEN FROM U.S.G.S. QUADRANGLE MAPS, WHITE CANYON ONE AND ASE. CHANNEL AXIS FROM UNPUBLISHED MAPS OF U.S. ATOMIC ENERGY COMMISSION. CLAIM LINES FROM APPLICANTS MAP.

FIGURE 2.--GEOLOGY IN THE VICINITY OF THE DIXIE CLAIMS, CORPUS CHRISTI EXPLORATION CO., INC., SAN JUAN COUNTY, UTAH.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
224 New Customhouse
Denver 2, Colorado

12/30 C 220
~~12/30 700~~

December 27, 1957

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA 4863 (Uranium), Corpus Christi Exploration Co., Inc. (Dixie Claim Group) San Juan County, Utah

Enclosed are the following: -

(1) Two copies of a letter from the subject Applicant.

(2) Two copies of our reply.

(3) Two copies of a bid submitted by the Applicant from the Blanding Drilling Company for drilling and bulldozer work.

Will you please place a copy of the drill bid with your copy of the application.

W. H. King

W. H. King

Encls.

A. W. GUSTA[illegible]

[illegible]
AND [illegible]

[illegible]
BALDWIN AND NAVIGA[illegible]
P. O. BOX 2489
CORPUS CHRI[illegible] TEXAS

December 20, 195[illegible]

Mr. E. H. [illegible]ershman
Acting Executive Officer
DMEA Field Team, Region III
224 New Customhouse Building
Denver 2, Colo.

Re: Docket No. [illegible]
Dixie Claim Group
San Juan County, Utah

Dear sir;

In accordance with Mr. Mittendorf's instructions of November 18, 1957 we have endeavored to obtain bids from three drilling contractors for the above project. We have been able to obtain bids from only one substantial contractor, the Blanding Drilling Co. [illegible] of Blanding, Utah.

Inasmuch as they are a responsible concern, no doubt well known to you, and their bid is $22,910. against our estimate of $29,[illegible], we believe it would be to the best interests of the Government and [illegible] selves that this bid be accepted. [illegible], however, it is [illegible] necessary that other bids [illegible] [illegible]

[illegible]

[illegible]
[illegible]

[illegible]

Mr. A. T. Gardner, President
Gulf Exploration Co., Inc.
P. O. Box [illegible]
[illegible]

Re: Lease No. [illegible]
[illegible]
[illegible]

Dear Mr. Gardner:

This will acknowledge receipt of your letter dated December 6, 1971, and the [illegible] Salsbury [illegible] enclosed.

Enclosed is one copy of the [illegible] Board, which copy of [illegible] is [illegible].

Very truly yours,

Original signed by
W. H. KING
W. H. King
Director, Minerals, [illegible]
Middle Rocky Mountain [illegible]

EMC;bh
cc- Sec. Op. Comm. (2)
Harshman
Salsbury
Hasler
Docket
Chron.

Gustafson Manufacturing Company, Inc.

Manufacturers of

ROW-CROP, ORCHARD, VINEYARD DUSTERS, "DEW-DUSTERS" AND "AGI-SPRAY" SPRAYERS

Plant and Offices
BALDWIN AND NAVIGATION BOULEVARDS
P. O. BOX 2409 — PHONE TU 2-4025
CORPUS CHRISTI, TEXAS

A. W. GUSTAFSON, PRESIDENT

December 26, 1957

Mr. E. H. Vorstman
Acting Executive Officer
DMEA Field Team, Region III
224 New Customhouse Building
Denver 2, Colo.

Re: Docket No. DMEA-4263 (Uranium)
Black Chief Group
San Juan County, Utah

Dear Sir:

In accordance with Mr. Mittendorf's instructions of November 18, 1957 we have endeavored to obtain bids from three drilling contractors for the above project. We have been able to obtain bids from only one qualified contractor, the Blanding Drilling Co. (Shumway-Davis) of Blanding, Utah.

Inasmuch as they are a responsible concern, no doubt well known to you, and their bid is $22,910. against our estimate of $20,665. we believe it would be to the best interests of the Government and ourselves that this bid be accepted. If, however, it is absolutely necessary that other bids be secured, it would be appreciated if you would help us locate other reliable contractors in the area who would be interested in bidding on this job.

Three copies of the bid are enclosed as requested.

Your early advice as to the status of our application will be appreciated.

Sincerely,

CORPUS CHRISTI EXPLORATION CO., INC.

A. W. Gustafson
President

AWG:j

cc: Mr. Mittendorf w/ 1 copy of bid.

12/27 C 220 700

[illegible]

[illegible]

Charles Sigmon
E. [illegible] MARSMAN

[illegible]

[illegible]

[illegible]

[illegible]

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
11/14	Kennedy	
11/14	Ellis	
11-15	Martin	
"	Osborn	
"	Williams	

W. S. Martin

ACTING

(SLB)

Frank D. Lamb

(SLB) FMMouse/izm 11-14-57
cc: Mr. Mouse
Chmr.'s Loading File
Operating Committee
TMKillingsgaard, 5224

E. P. Williams

(SLB)

3623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
[illegible]	[illegible]	
[illegible]	Ellis	
11-15	Martin	
"	[illegible]	
"	[illegible]	
11/19	[illegible]	
11-15	Williams	130
11-15	Lamb	130

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Sincerely yours,

[illegible]

Administrator

FLKnouse/izn 11-14-57
cc: Mr. Knouse
Admr.'s Reading File
DMEA FT Reg. 3 (2)

0623

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

IN REPLY REFER TO:

CENTRAL FILE COPY
DMEA
RECEIVED NOV 13 1957

DATE		CODE
11/13	C	220
"	Eddy	700
"	Kinnear	700

Memorandum November 12, 1957

To: E. W. Ellis, Defense Minerals Exploration Administration

From: W. P. Williams, U. S. Geological Survey

Subject: Review of application, DMEA 4863 (uranium), Corpus Christi Exploration Co., Inc., Dixie claims, San Juan County, Utah.

The applicant proposes to explore for uranium ore deposits on a group of 13 mining claims located in the productive White Canyon region of Utah.

The objective of the proposed drilling project would be to seek for ore deposits in Shinarump channels. Past drilling shows some evidence of channels on three of the claims; but the drilling on the rest of the property might be in the nature of preliminary reconnaissance.

I recommend that the application be referred to the Field Team, as the field office in Grand Junction may have recent information about channel trends in the vicinity of the property.

W. P. Williams

W. P. Williams

DMEA
RECEIVED NOV 5 1957

DATE		
11/5	C	220
11/5	Ellis	700
11/6	[illegible]	700

November 4, 1957

4863

Uranium
Corpus Christi Exploration Co.
Dixie Claims
San Juan County, Utah
$36,005.00

Ernest William Ellis, DMEA Member
Uranium Commodity Committee
James Paone, Bureau of Mines Member
Uranium Commodity Committee

JP

Application

10/28/57 4/1/57

X

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

October 31, 1957

Corpus Christi Exploration Co., Inc.
P. O. Box 2409
Corpus Christi, Texas

Gentlemen:

Subject: DMEA-4863

Your application for exploration assistance, dated October 23, 1957 submitted to our office at Denver, Colorado has been assigned Docket Number DMEA-4863 and referred to the Rare and Miscellaneous Metals Division in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

Sincerely yours,

Allen S. Dakan, Director
Operations Control and
Statistics Division

Copy to:

Region III

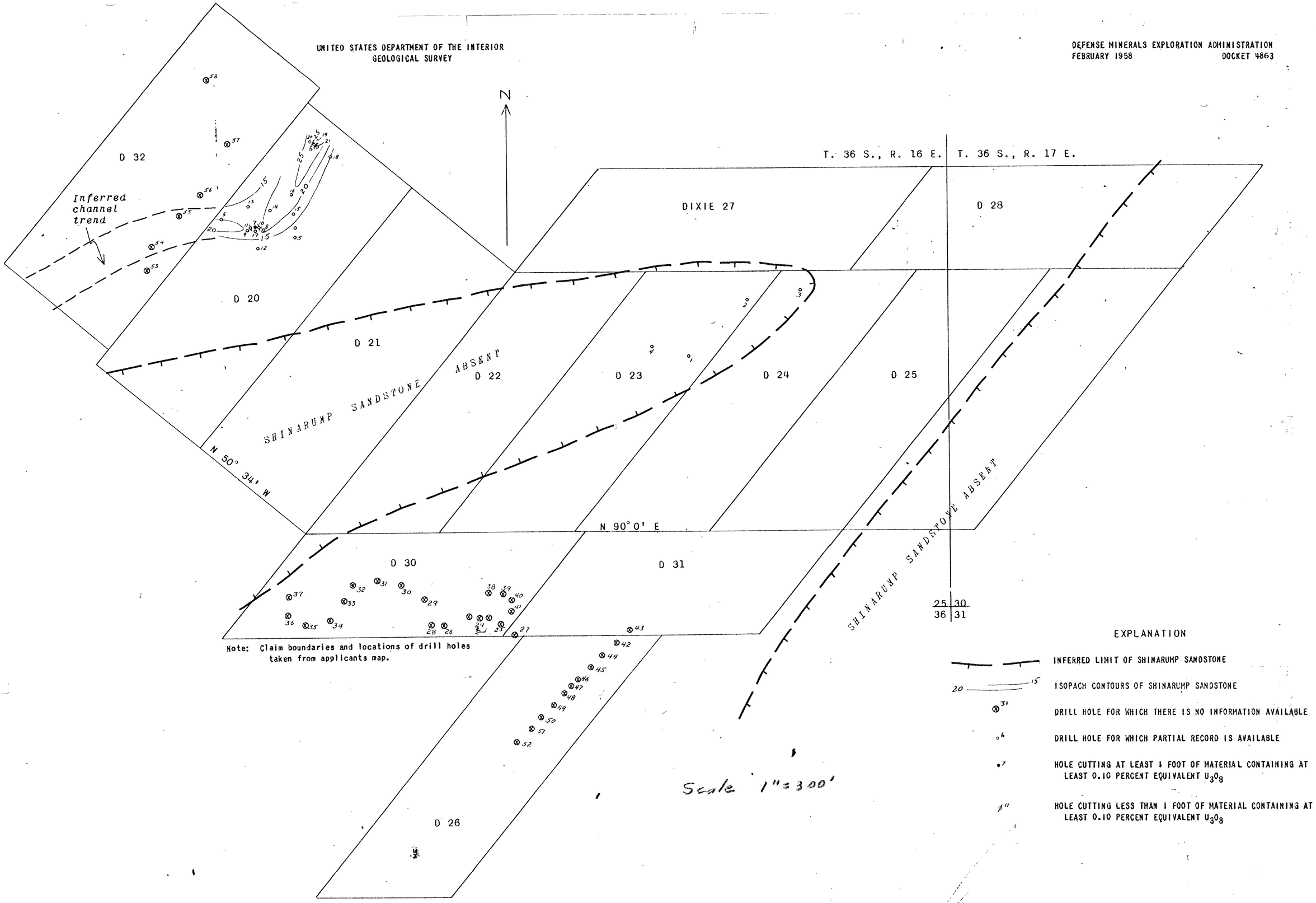
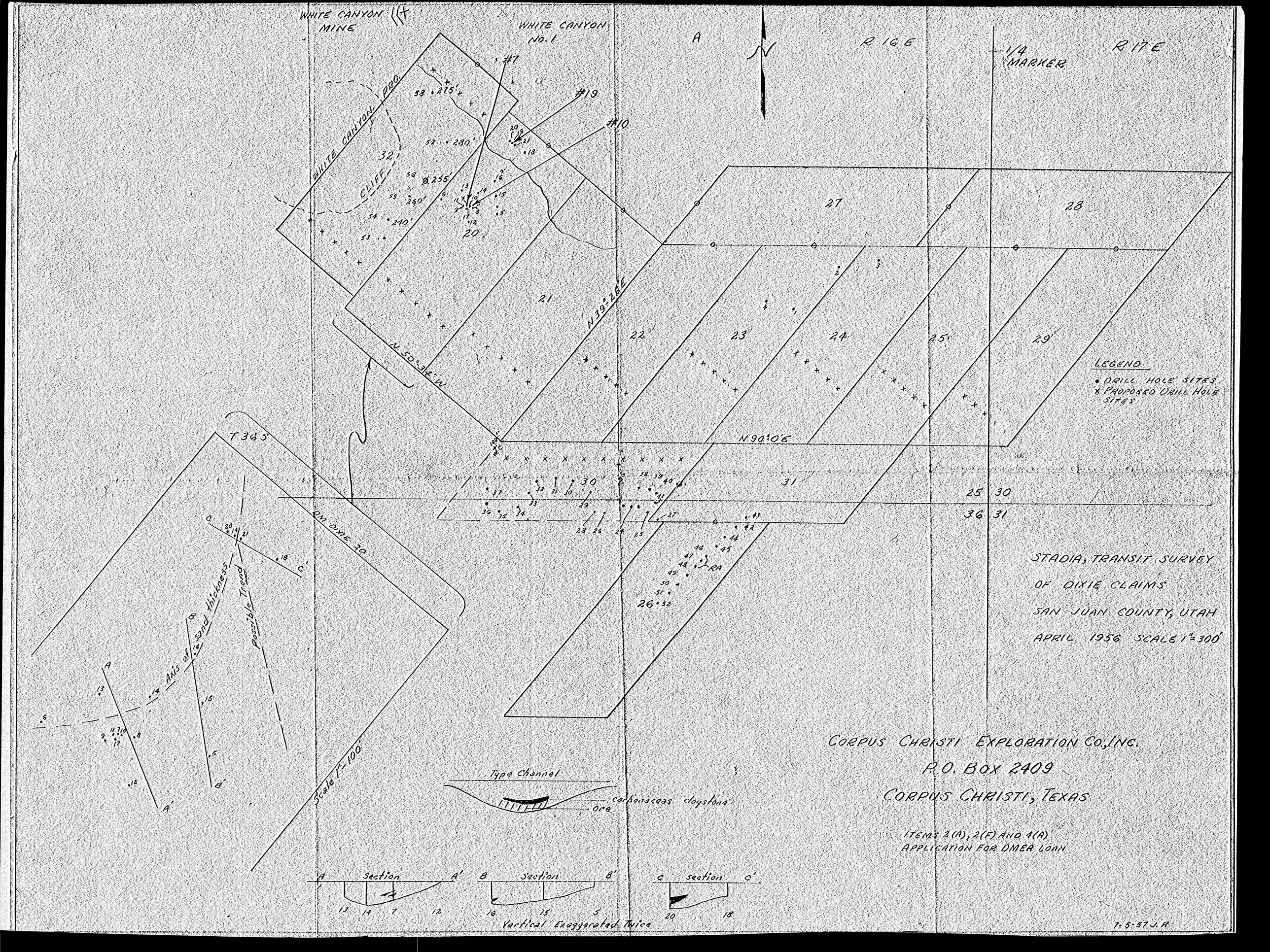


FIGURE 3.--PREVIOUS DRILLING AND INFERRED EXTENT OF SHINARUMP SANDSTONE ON THE DIXIE GROUP OF CLAIMS, CORPUS CHRISTI EXPLORATION CO., INC., SAN JUAN COUNTY, UTAH.


WHITE CANYON MINE
WHITE CANYON NO. 1
A
N
R 16 E
R 17 E
1/4 MARKER
#7
#19
#10
WHITE CANYON PRO.
CLIFF
32
20
21
22
23
24
25
29
27
28
N 39° 26' E
N 50° 34' W
N 90° 0' E
30
31
25 30
36 31
T 38 S
DIXIE RD
Axis of sand thickness
Possible Trend
Scale 1" = 100'
Type Channel
carbonaceous claystone
ore
Section
Vertical Exaggerated Twice
LEGEND
• DRILL HOLE SITES
x PROPOSED DRILL HOLE SITES
STADIA, TRANSIT SURVEY
OF DIXIE CLAIMS
SAN JUAN COUNTY, UTAH
APRIL 1956 SCALE 1" = 300'
CORPUS CHRISTI EXPLORATION CO., INC.
P.O. BOX 2409
CORPUS CHRISTI, TEXAS
ITEMS 2(A), 2(F) AND 4(A)
APPLICATION FOR DMEA LOAN
7-5-57 J.R.