

FILE NOTATIONS

Entered in NID File _____
Entered On S R Sheet _____
Location Map Pinned _____
Card Indexed _____
IWR for State or Fee Land _____

Checked by Chief _____
Copy NID to Field Office _____
Approval Letter _____
Disapproval Letter _____

COMPLETION DATA:

Date Well Completed _____
OW _____ WW _____ TA _____
GW _____ OS _____ PA _____

Location Inspected _____
Bond released _____
State of Fee Land _____

LOGS FILED

Driller's Log _____
Electric Logs (No.) _____

E _____ I _____ E-I _____ GR _____ GR-N _____ Micro _____
Lat _____ Mi-L _____ Sonic _____ Others _____

8-23

*St. Croix
Application*

*Put Copy in #1 &
#2 file*

ENVIRONMENTAL ASSESSMENT
for
Utah State #1 & #2
Wildcat Oil and/or Gas Wells

on
State of Utah ML 33432
Section 36
Township 24 South, Range 11 East
Emery County, Utah

January 13, 1977

Prepared by:
Utah Division of Oil, Gas, and Mining
Patrick L. Driscoll, Chief Petroleum Engineer

I. DESCRIPTION OF THE PROPOSED ACTION:

~~C.B. Woodward~~ ^{St. Croix} Consultant, plans to drill on State oil and gas lease No. ML 33432, Section 36, Township 24 South, Range 11 East, SLBM, Emery County, to determine the liquid hydrocarbon potential of the Triassic Moenkopi Formation. Maximum depths of drilling will be about 300 feet.

The proposed locations are shown on the attached plat.

II. DESCRIPTION OF THE ENVIRONMENT POTENTIALLY AFFECTED:

The area is in an extremely dry wash on the southeast flank of the San Rafael Swell, known as the San Rafael Reef. The Reef immediately to the SE of the sites is characterized by east-facing long dip slopes eroded on the Kayenta and Navajo Formations, with steep west-facing cliffs eroded into the above formations as well as the Wingate Formation. The elevation of the two sites is between 5400 and 5440 feet.

Precipitation in this area is between 8 to 10 inches annually.

The flora and fauna of the area coincides with the general known desert surroundings; outside of the basic native desert terrain, there are several manmade access roads to mining areas. As a matter of fact, the access road to these locations follow, and at terminal end, are less than 25 feet from the access route to the two proposed sites.

Access to the area is via a number of dirt roads that serve the Temple Mountain uranium mining district. This area has been producing ore since 1912 when radium ore was shipped. In 1948, mining activity resumed with uranium ore production and a fairly high level of mining activity has persisted to date. Drilling activity has been high and in general the area has been heavily impacted by minerals exploration.

A review of two core holes specifically drilled for mineralized projects indicated a disturbance of less than 100 to 150 feet. It is significant to note that the proposed depth of the oil wells under consideration shall

not exceed the depth of the previously drilled core holes. A series of pictures were taken of the general area. Significantly, two of the pictures represent and enhance the area. The proposed sites are in the near proximity.

III. PROBABLE IMPACT OF THE PROPOSED ACTION ON THE ENVIRONMENT:

The ground disturbance will be minimal due to the extremely small locations and a relatively short drilling time.

IV. MITIGATIVE MEASURES INCLUDED IN THE PROPOSED ACTION:

Stabilizing of the proposed drill pad is planned by the operator following completion of the two test wells. The area will be graded, leveled, and seeded, as indicated.

V. ALTERNATIVES TO THE PROPOSED ACTION:

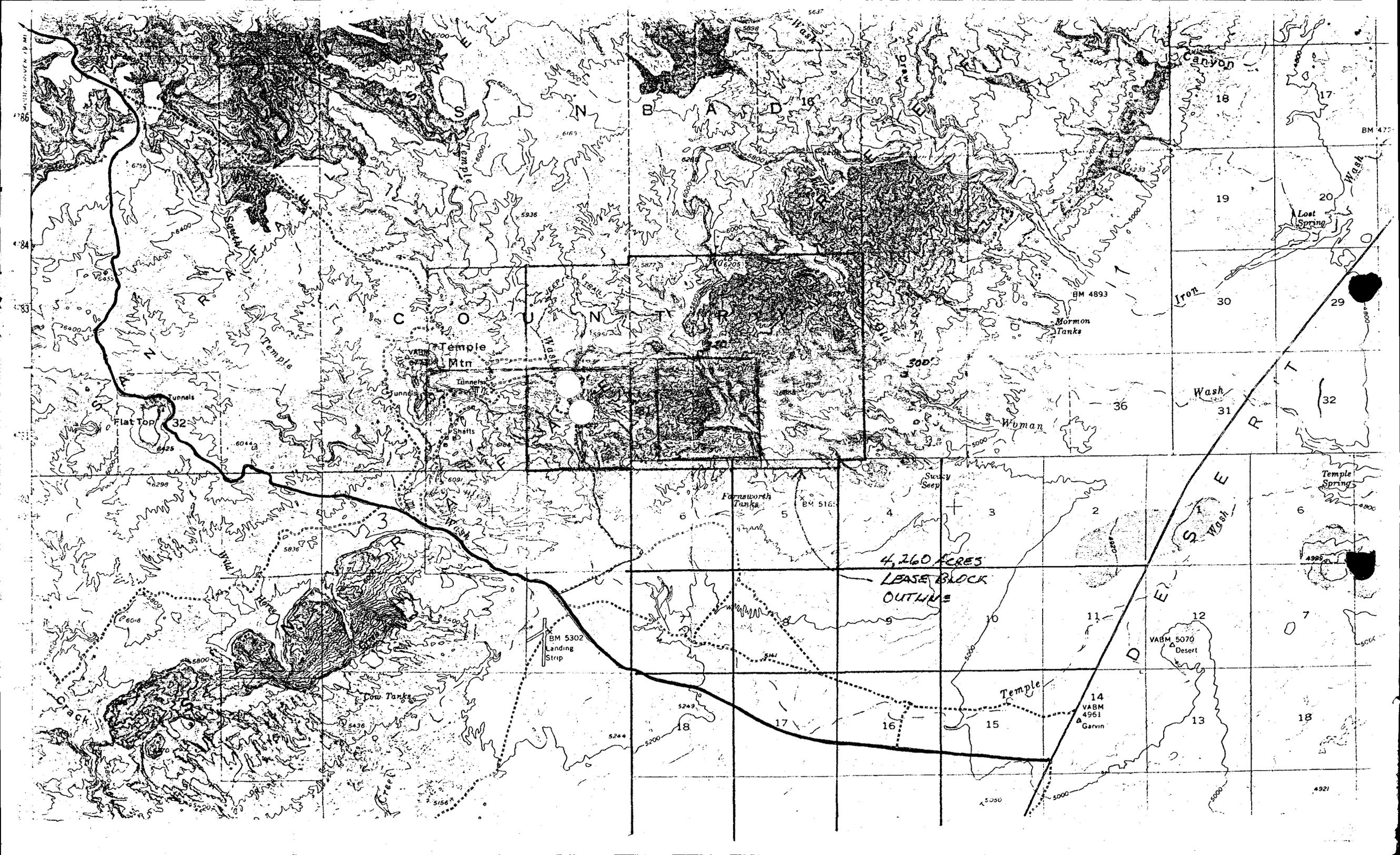
There is no alternative location within the area which would be less environmentally sensitive than the site under consideration.

The only other viable alternative would be to disapprove the applications to drill. However, this could result in the operator losing his lease followed by prolonged and expensive litigation against the state. In addition, denial would eliminate possible development in the area.

VI. SUMMARY AND RECOMMENDATIONS:

It is felt that minimal disturbance surrounding the native regime will be incurred by granting permission to drill the two proposed wells. In fact, the two previously completed core holes have probably disturbed the area far more than the wells under consideration.

It is, therefore, the recommendation of the Division of Oil, Gas, and Mining, that the applicant be allowed to actively engage in the drilling of two potential oil and/or gas wells in the vicinity of the two core holes previously approved by the Division of State Lands.



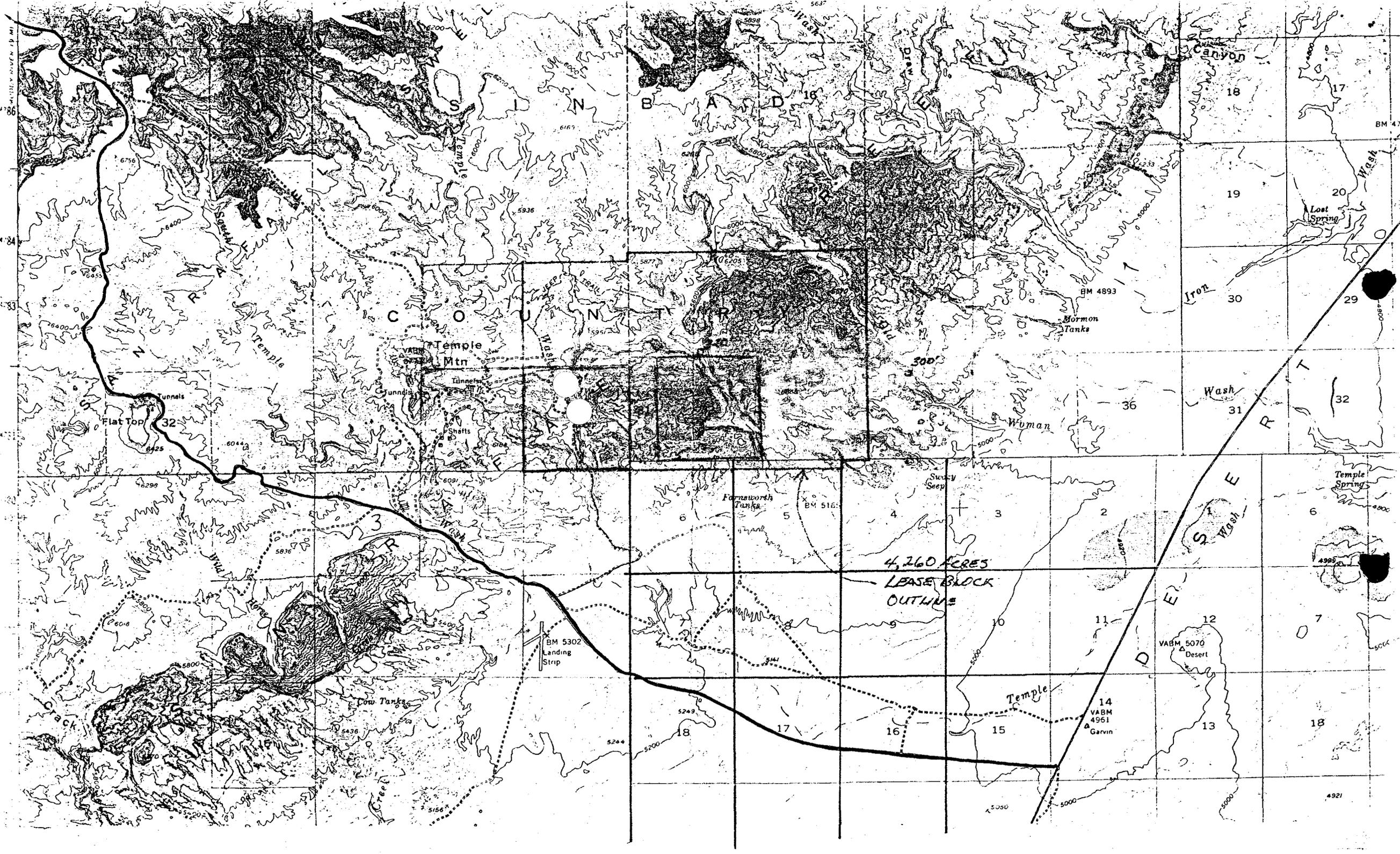
TEMPLE MOUNTAINS

4,260 ACRES
LEASE BLOCK
OUTLINE

BM 5302
Landing
Strip

VABM
4961
Garvin

VABM 5070
Desert



Scott M. Matheson
Governor



James Edwin Kee
State Planning Coordinator

STATE OF UTAH
Office of the
STATE PLANNING COORDINATOR
118 State Capitol
Salt Lake City, Utah 84114
(801) 533-5246

February 7, 1977

Ron Daniels
Division of Oil, Gas and Mining
1596 West North Temple
Salt Lake City, Utah 84116

Dear Ron:

The Environmental Coordinating Committee has reviewed the Environmental Assessment for Utah State #1 & #2 Wildcat Oil and/or Gas Wells on State of Utah ML 33432 Section 36 Township 24 South, Range 11 East, Emery County, Utah and unanimously considers the document to be adequate.

Sincerely,

Chauncey G. Powis
Environmental Coordinator

CGP/jn

CIRCULATE TO:

STATE PLANNING COORDINATOR
DEPARTMENT OF COMMERCE
DEPARTMENT OF ENERGY
DEPARTMENT OF HEALTH
DEPARTMENT OF LAND AND NATURAL RESOURCES
DEPARTMENT OF REVENUE
DEPARTMENT OF SOCIAL SERVICES
DEPARTMENT OF TRANSPORTATION
DEPARTMENT OF UTILITY SERVICES
DEPARTMENT OF WORKERS COMPENSATION
DEPARTMENT OF EDUCATION
DEPARTMENT OF AGRICULTURE
DEPARTMENT OF ENVIRONMENT
DEPARTMENT OF FORESTRY
DEPARTMENT OF MINING
DEPARTMENT OF WATER RESOURCES
DEPARTMENT OF PUBLIC SAFETY
DEPARTMENT OF CORRECTIONS
DEPARTMENT OF JUSTICE
DEPARTMENT OF LEGAL SERVICES
DEPARTMENT OF LABOR
DEPARTMENT OF PROFESSIONAL REGULATION
DEPARTMENT OF PUBLIC WORKS
DEPARTMENT OF RETIREMENT
DEPARTMENT OF STATE
DEPARTMENT OF TAXATION
DEPARTMENT OF HEALTH CARE
DEPARTMENT OF HUMAN SERVICES
DEPARTMENT OF LABOR RELATIONS
DEPARTMENT OF OCCUPATIONAL SAFETY AND HEALTH
DEPARTMENT OF PROFESSIONAL REGULATION
DEPARTMENT OF PUBLIC SAFETY
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DEPARTMENT OF TAXATION
DEPARTMENT OF HEALTH CARE
DEPARTMENT OF HUMAN SERVICES
DEPARTMENT OF LABOR RELATIONS
DEPARTMENT OF OCCUPATIONAL SAFETY AND HEALTH

FOR THE STATE PLANNING COORDINATOR
Ben Coppy Scherá

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

(Other instructions on reverse side)

5. Lease Designation and Serial No.

ML-33432

6. If Indian, Allottee or Tribe Name

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL

DEEPEN

PLUG BACK

b. Type of Well

Oil Well

Gas Well

Other

Single Zone

Multiple Zone

2. Name of Operator

St. Croix Exploration Co.

3. Address of Operator

2471 Angell Road, St. Paul, Minnesota 55118

4. Location of Well (Report location clearly and in accordance with any State requirements.)*

At surface

1195 FNL, 1690 FWL, Sec. 36

At proposed prod. zone

Same

14. Distance in miles and direction from nearest town or post office*

21 miles North - Hanksville

15. Distance from proposed location to nearest property or lease line, ft.

(Also to nearest drig. line, if any)

1195.85'

16. No. of acres in lease

640

17. No. of acres assigned to this well

40

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.

1100' (#1)

19. Proposed depth

600'

20. Rotary or cable tools

Rotary

21. Elevations (Show whether DF, RT, GR, etc.)

5420 Gr.

22. Approx. date work will start*

On receipt of permit

PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
7 7/8"	5 1/2"	17#	400'	180 sx

Proposed Program: Drill with air to total depth coring sections exhibiting oil shows, running logs, set 5 1/2 in. casing to total depth, circulating cement to surface.

Surface formation: Triassic Shinarump
Formation at T.D. Triassic Meonkopi

Location Plat Attached

Telephone: (612) 457-3208

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

Signed Stanley R. Tyler

Title Vice President

Date 2-21-77

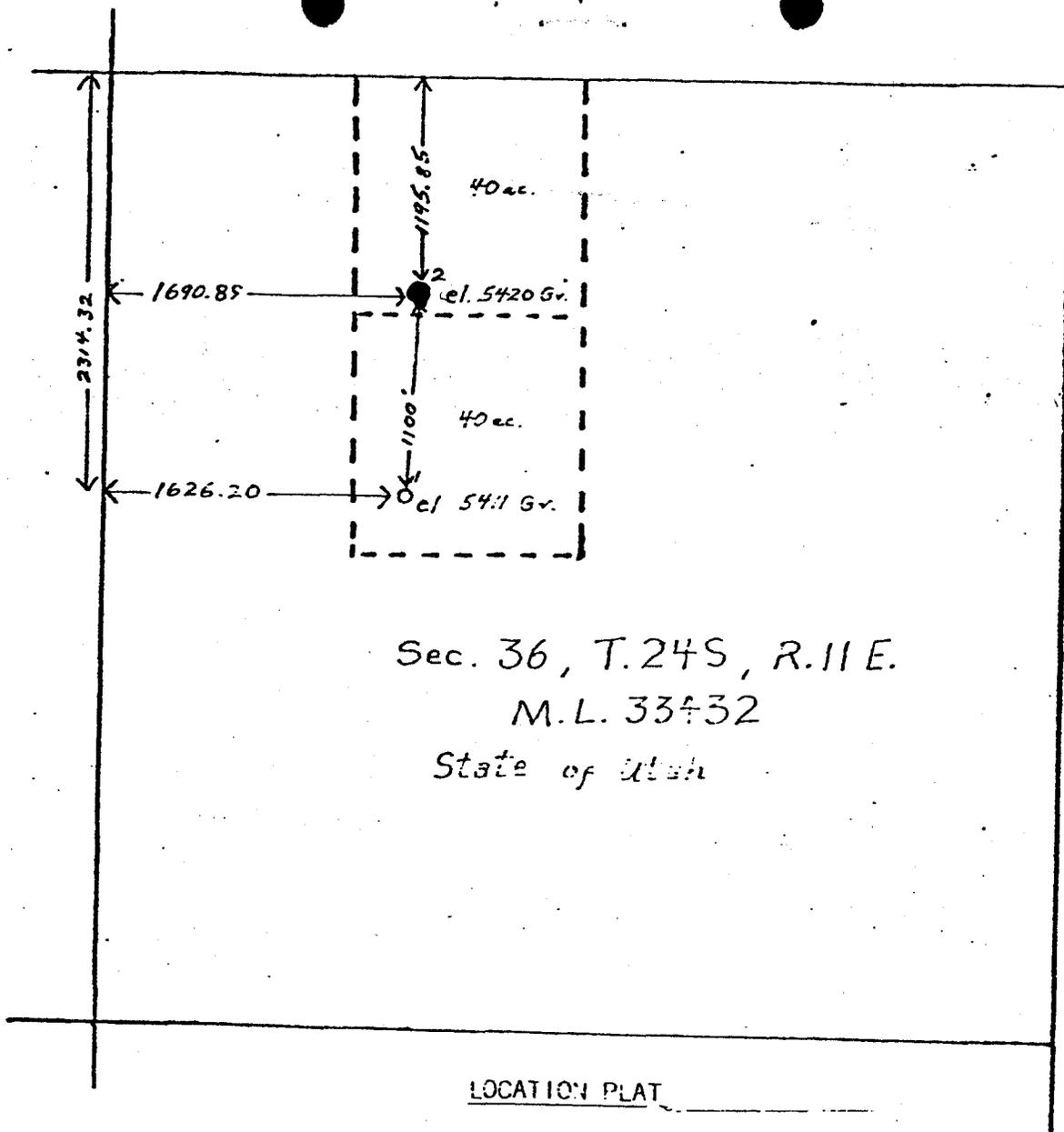
(This space for Federal or State office use)

Permit No. _____ Approval Date _____

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

*See Instructions On Reverse Side



Sec. 36, T. 24 S., R. 11 E.
 M.L. 33432
 State of Utah

LOCATION PLAT

St. Croix Exploration Company
 2471 Angell Road
 St. Paul, Minnesota 55118

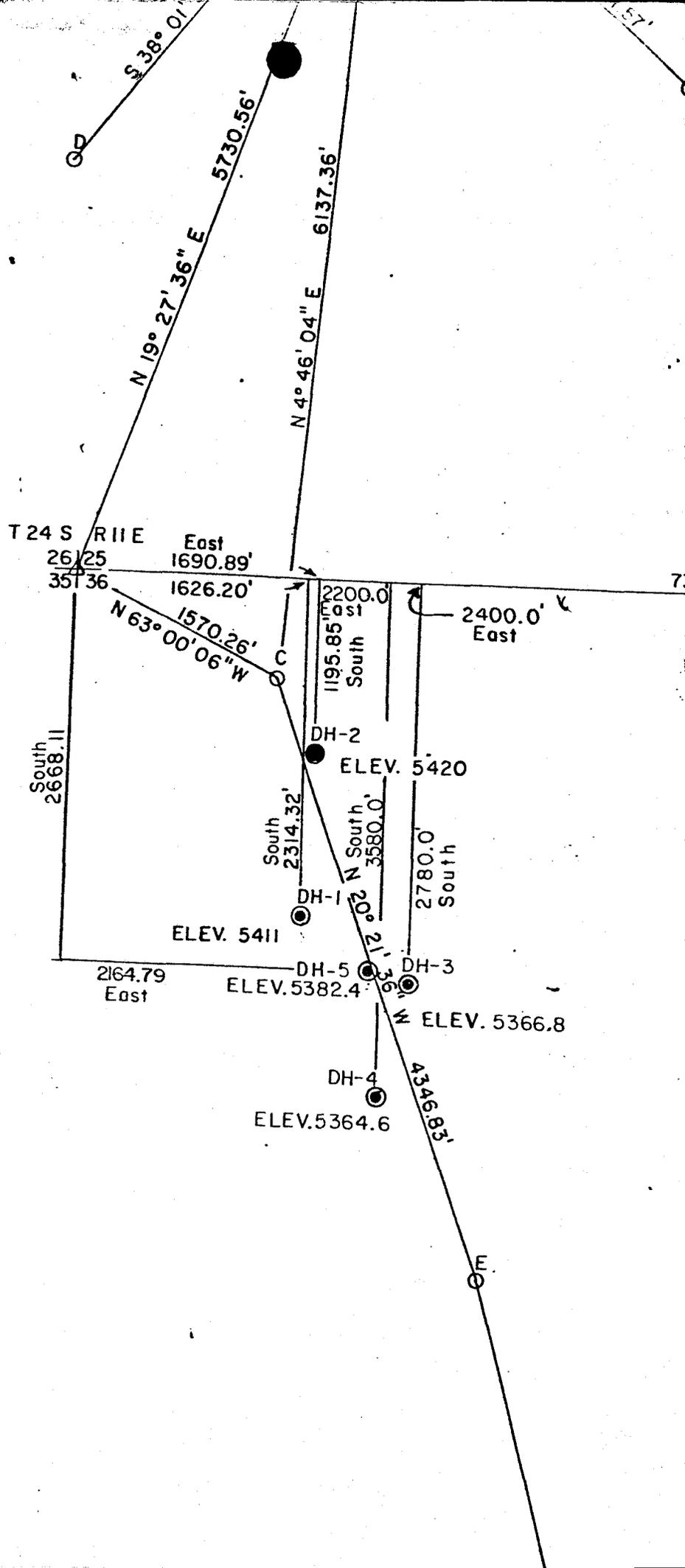
- Well No. 1: 1626.20 FWL, 2314.32 FNL,
 Sec. 36, T. 24 S., R. 11 E.
 (Ground Elevation - 5411)
- Well No. 2: 1690.89 FWL, 1195.85 FNL,
 Sec. 36, T. 24 S., R. 11 E.
 (Ground Elevation 5420)

Scale 1 in. = 1000 ft.

St. Croix Exploration Co.

February 22, 1977

By Stanley R. Tyler
 Stanley R. Tyler
 Vice President



St. Croix Exploration Company

~~XXXXXXXXXXXXXXXXXXXX~~

St. Paul, Minnesota 55115

612 ~~XXXXXXXX~~ 457-3208

2471 Angell Road
petroleum ventures

February 23, 1977

State Of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
1588 West North Temple
Salt Lake City, Utah 84116

Re: Lease ML - 33432

Gentlemen:

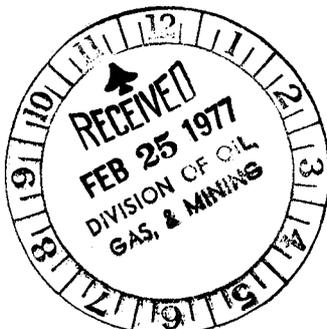
Enclosed are ~~two~~ applications for Permit to Drill, Emery County, Utah. The attached location plat will be confirmed by a registered surveyor and submitted for approval in the near future.

If additional information is required, please contact us at the above address.

Very truly yours,



Stanley R. Tyler
Vice President



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

5. Lease Designation and Serial No.

ML-33432

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

8. Farm or Lease Name

Utah State

9. Well No.

2

10. Field and Pool, or Wildcat

Wildcat

11. Sec., T., R., M., or Blk. and Survey or Area

Sec. 36, T. 24S, R. 11E.

12. County or Parrish 13. State

Emery, Utah

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL

DEEPEN

PLUG BACK

b. Type of Well

Oil Well

Gas Well

Other

Single Zone

Multiple Zone

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St. Croix Exploration Co.

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2471 Angell Road, St. Paul, Minnesota 55118

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22. Approx. date work will start*

On receipt of permit

23.

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24.

Signed

Stanley R. Tyler

Title Vice President

Date 2-21-77

(This space for Federal or State office use)

Permit No.

B-015-30049

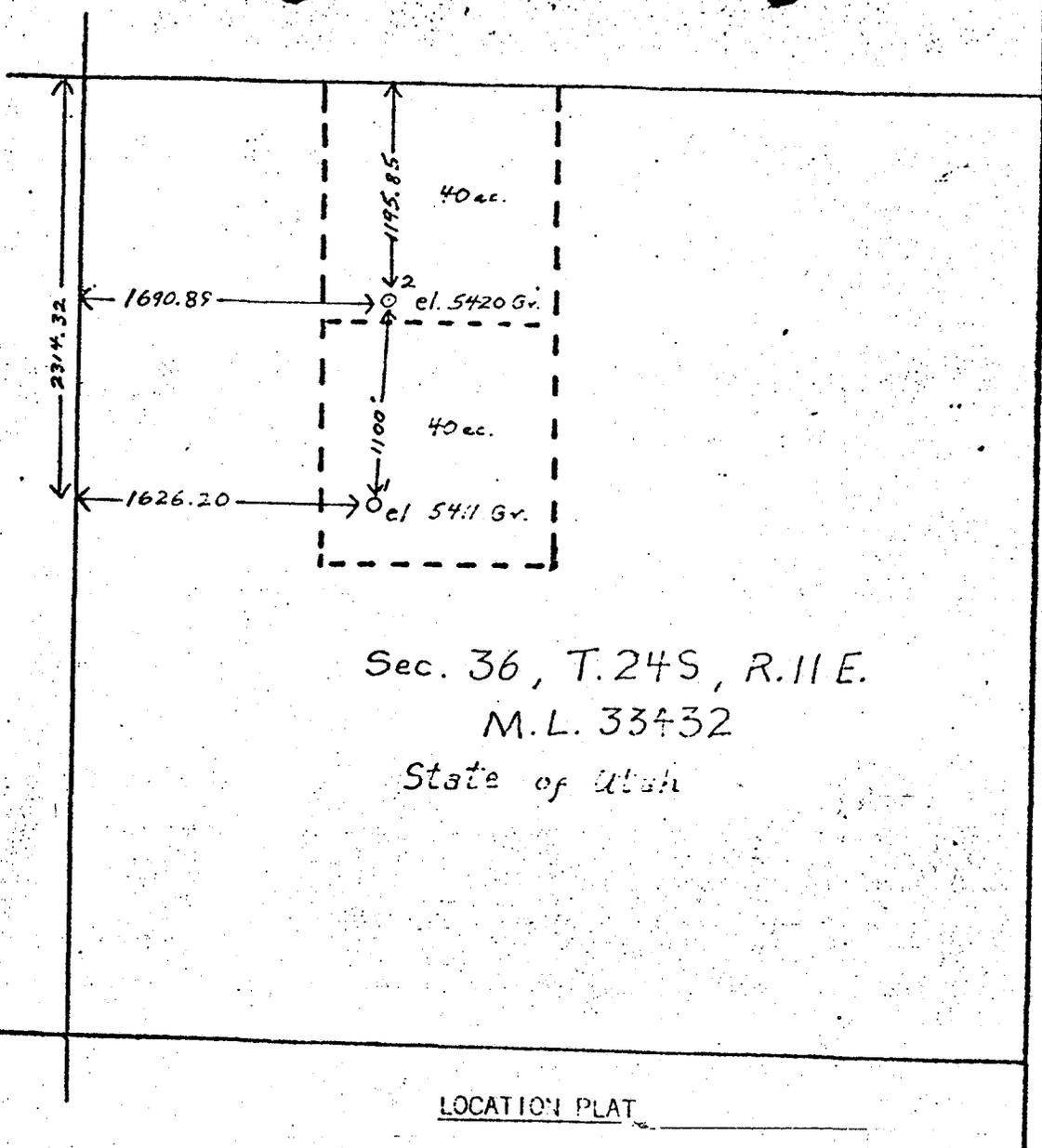
Approval Date

Approved by

Title

Date

Conditions of approval, if any:



Sec. 36, T. 24 S., R. 11 E.
 M.L. 33432
 State of Utah

LOCATION PLAT

St. Croix Exploration Company
 2471 Angell Road
 St. Paul, Minnesota 55118

Well No. 1: 1626.20 FWL, 2314.32 FNL,
 Sec. 36, T. 24 S., R. 11 E.
 (Ground Elevation - 5411)

Well No. 2: 1690.89 FWL, 1195.85 FNL,
 Sec. 36, T. 24 S., R. 11 E.
 (Ground Elevation 5420)

Scale 1 in. = 1000 ft.

St. Croix Exploration Co.

February 22, 1977

By Stanley R. Tyler
 Stanley R. Tyler
 Vice President

** FILE NOTATIONS **

Date: Feb 28-
Operator: St. Croix Exploration
Well No: Utah State #2
Location: Sec. 36 T. 24S R. 11E County: Curry

File Prepared
Card Indexed

Entered on N.I.D.
Completion Sheet

CHECKED BY:

Administrative Assistant AW
Remarks: No other wells in Township.
Petroleum Engineer RK
Remarks:
Director J
Remarks:

~~NOT APPROVED
Need request for
Topo. w Geologic
Exception.
Also, AW have
to submit E.I.S~~

INCLUDE WITHIN APPROVAL LETTER:

Bond Required Survey Plat Required
Order No. Surface Casing Change
to _____

Rule C-3(c), Topographic exception/company owns or controls acreage within a 660' radius of proposed site

O.K. Rule C-3 O.K. In _____ Unit

Other:

Letter Written/Approved

Formerly filed under O.S. Woodruff

March 2, 1977

St. Croix Exploration Company
2471 Angell Road
St. Paul, Minnesota 55118

Re: Well No's:
Utah State #1, Utah State #2 ✓
Sec. 36, T. 24 S, R. 11 E,
Emery County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with Rule C-3 (c), General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

PATRICK L. DRISCOLL - Chief Petroleum Engineer
HOME: 582-7247
OFFICE: 533-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

The API numbers assigned to these wells are:

#1: 43-015-30048 #2: 43-015-30049 ✓

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
Director

cc: Division of State Lands

ST. CROIX-NUGGET JOINT VENTURE

7850 METRO PARKWAY, SUITE 102
BLOOMINGTON, MINNESOTA 55420
(612) 854-1787 or 854-7755

June 19, 1978

Mr. Patrick L. Driscoll
State of Utah - Department of Natural Resources
Division of Oil, Gas and Mining
1588 West North Temple
Salt Lake City, UT 84116

Dear Mr. Driscoll:

Re: Well No. Utah State #2
Sec. 36, T. 24S, R.11 E,
Emery County, Utah

Enclosed is the application for permit to drill for the Utah State #2 well. The location plat is also attached.

I would like to call you later this week to discuss our plans.

Sincerely,

ST. CROIX-NUGGET JOINT VENTURE

Stanley R. Tyler
Stanley R. Tyler

/mc

Enclosures

This is a change in drilling plans. Original was permitted to 400' operator requests new T.D. of 600'.

OK

170-1



SCOTT M. MATHESON
Governor

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

CLEON B. FEIGHT
Director

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

OIL, GAS, AND MINING BOARD

CHARLES R. HENDERSON
Chairman

JOHN L. BELL
C. RAY JUVELIN
THADIS W. BOX
CONSTANCE K. LUNDBERG
EDWARD T. BECK
E. STEELE McINTYRE

February 7, 1980

St. Croix Exploration Co.
~~2471 Angell Rd.~~ 7850 Metro Parkway, Suite 102
St. Paul, Minn. 55118
Bloomington, Minnesota 55420

RE: Well No. Utah State #2
Sec. 36, T. 24S, R. 11E,
Emery County, Utah

Gentlemen:

In reference to above mentioned well(s), considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill this well (these wells), please notify this Division. If spudding or any other activity has taken place, please send necessary forms.* If we do not hear from your company within fifteen (15) days, we will assume you do not intend to drill this well, and action will be taken to terminate the application. If you plan on drilling this well at a later date, please notify as such.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

DEBBIE BEAUREGARD
CLERK-TYPIST



SCOTT M. MATHESON
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

STATE OF UTAH

CHARLES R. HENDERSON
Chairman

DEPARTMENT OF NATURAL RESOURCES

CLEON B. FEIGHT
Director

DIVISION OF OIL, GAS, AND MINING

1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

JOHN L. BELL
C. RAY JUVELIN
THADIS W. BOX
CONSTANCE K. LUNDBERG
EDWARD T. BECK
E. STEELE McINTYRE

February 11, 1980

St. Croix Exploration Co. 
7850 Metro Parkway, Suite #102
Bloomington, Minnesota 55420

RE: Well No. Utah State #2
Sec. 36, T. 24S, R. 11E,
Emery County, Utah

Gentlemen:

In reference to above mentioned well(s), considerable time has gone by since approval was obtained from this office.

This office has not recieved any notification of spudding. If you do not intend to drill this well (these wells), please notify this Division. If spudding or any other activity has taken place, please send necessary forms.* If we do not hear from your company within fifteen (15) days, we will assume you do not intend to drill this well, and action will be taken to terminate the application. If you plan on drilling this well at a later date, please notify as such.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING


DEBBIE BEAUREGARD
CLERK-TYPIST

March 18, 1980

St. Croix Exploration Co.
7850 Metro Parkway
Suite #102
Bloomington, Minnesota 55420

Re: Well No. Utah State #2
Sec. 36, T. 24S, R. 11E.
Emery County, Utah

Gentleman:

Approval to drill the above mentioned well, which was granted in our letter of 3-2-77, is hereby terminated for failure to spud it within a reasonable period of time.

If and when you should decide to drill this well, it will be necessary for you to again obtain the approval of this Division.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

Janice Tabish

JANICE TABISH
CLERK-~~XX~~PIST

*They do not
have records of
this letter.*

ST CROIX EXPLORATION COMPANY

~~XXXXXXXXXX~~
~~XXXXXXXXXX~~
~~XXXXXXXXXX~~
~~XXXXXXXXXX~~

1360 Shelard Tower
Minneapolis, MN 55426
612/546-3903

~~XXXXXXXXXX~~
~~XXXXXXXXXX~~
~~XXXXXXXXXX~~
~~XXXXXXXXXX~~

May 14, 1982

Ms. Cari Furse
State of Utah
Natural Resources and Energy
Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

Dear Ms. Cari Furse:

Enclosed are "Sundry Notices and Reports on Wells"
Numbers 1, 2, 5 in Sec 36, T24S, R11E.
Emery County, Utah

We regret any inconvenience caused by our not filing these reports timely. We shall file them monthly from this time forward.

Well reports on wells 3 and 4 in Section 36 and on wells 1 and 3 in Section 32 will be completed Monday of next week.

We are conducting geological studies on the shallow and deep formations which should be completed within 90 days and lead us to propose on going field operations.

We hope this fulfills our requirements.

Sincerely yours,



Stanley R. Tyler
Vice President

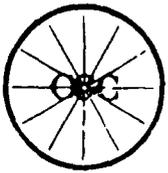
Enclosures
SRT:jd

This well is active.
Debbie spoke with
them 5-23-82 &
he said he would
send in all e-logs,
tests & that it was
not completed yet,
waiting on tests.
Keep in drilling. He will
send monthly's.

D

MAY 17 1982

MAY 17 1982



CENTURY GEOPHYSICAL CORP.
6650 EAST APACHE
TULSA, OKLAHOMA 74115

C-366-E SP 11748B

COMPANY **ST. CROIX EXPLORATION**

BORE HOLE **#2**

AREA **UTAH STATE #2**

COUNTY **EMERY** STATE **UTAH**

SECTION **36** TOWNSHIP **24S** RANGE **11E** LOG MEASURED FROM **G.L.**

DATE **10-02-78**

HOLE NO. 2	T.D. DRILLED 310'
SEC. 36 TWP. 24S RANGE 11E	BIT SIZE 9 in. CASING 5.0'
AREA UTAH STATE #2	BORE HOLE FLUID MUD
COUNTY EMERY	DENSITY
STATE UTAH	VISCOSITY
COMPANY ST CROIX	RESISTIVITY
DATE 10-02-78	OPERATOR B. DAVIDSON
TOTAL FOOTAGE LOGGED 307'	UNIT NO. 7811
	LOCATION GRD. JCT.

INITIAL RUN		GAMMA RERUNS (Initial run offscale)						DRIVE	TIME IN
T.D. LOGGED	307'	SCALE		SCALE		SCALE	6.9	0942	
GAMMA SCALE	100 Cps. Per In.	T.C.	LOGGING SPEED	T.C.	LOGGING SPEED	T.C.	STAND BY	TIME OUT	
TIME CONSTANT	55 Ft./Min.	FROM		FROM		FROM	—	1030	
CALIBRATION	CAL SOURCE JV20	TO		TO		TO	LOGGING		
SOURCE NO.	243 AmBe 1Ci	TOTAL		TOTAL		TOTAL	7		
PROBE NO.	9055-35						7.6		
DETECTOR	2 I stel 1/8 x 4"						ROUNDTRIP MILEAGE	274 Miles	
DEAD TIME	≤ 1.18 μsec						CHARGEABLE STANDBY	—	
WATER FACTOR	5.58 x 10⁻⁶								

COMPU-LOG TAPE # 10-11-1
NEUTRON LOGGED
ELEVATION 5434'

RES. SCALE **20** ohms per **1** inches
S.P. **20** Mv/in.
NEUTRON 200 CPI

SELF POTENTIAL

DENSITY

NATURAL GAMMA RAY
COUNTS PER SECOND

RESISTANCE

COMPU-LOG V2.5LS

DATE 10-02-78

HOLE #2

GAMMA

S.P.

RES.

NEUTRON

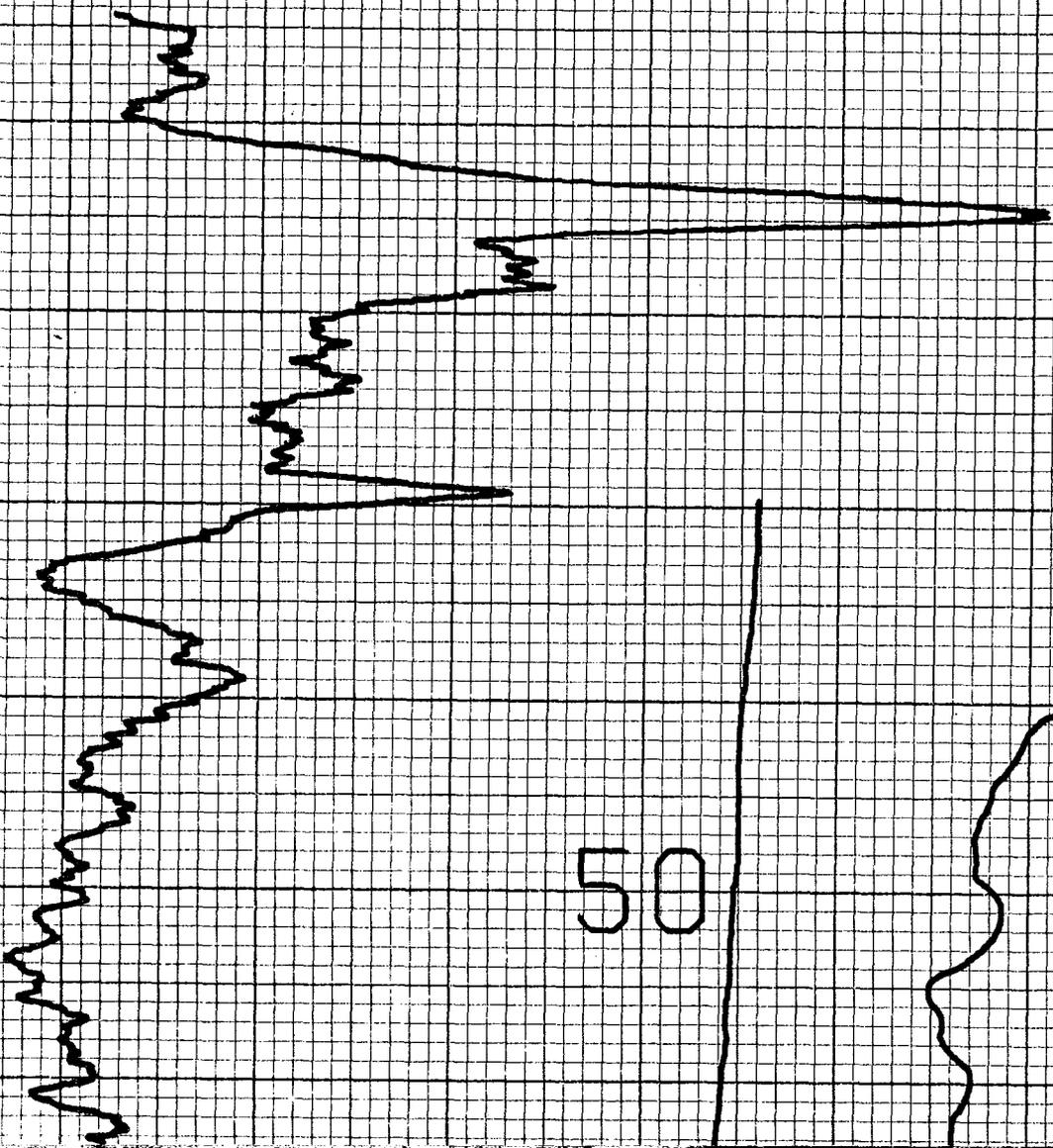
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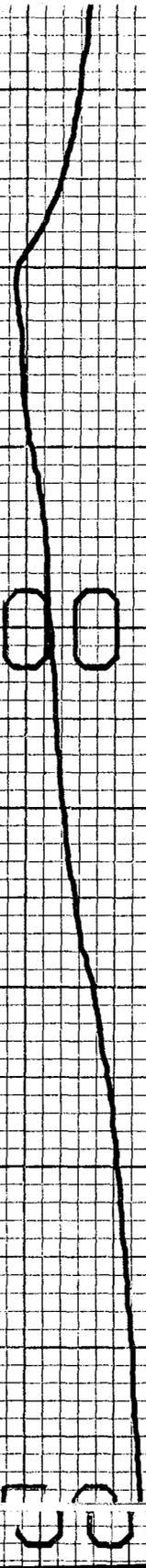
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100

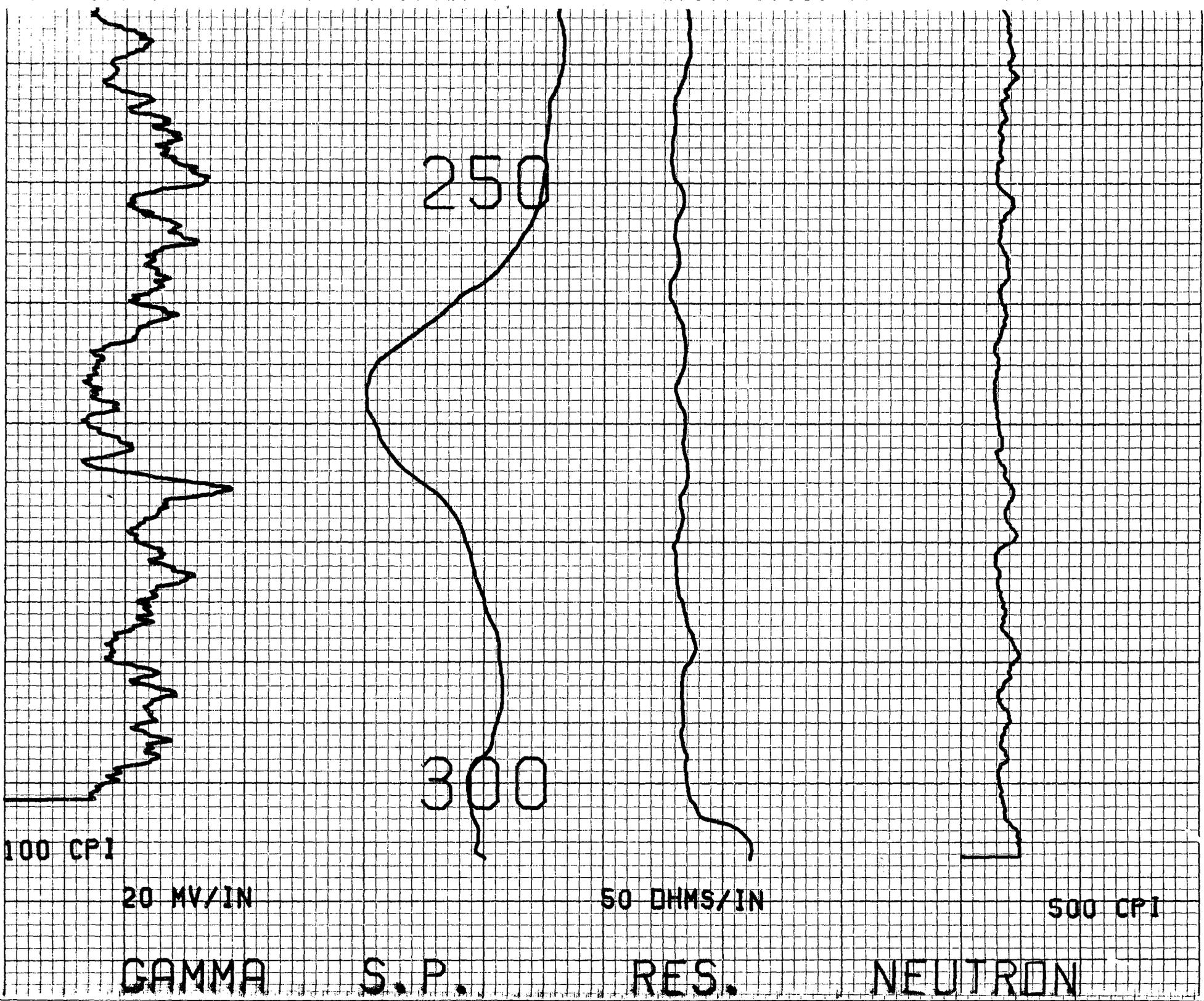
100





200





2

B. DAVIDSON

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.
ML 33432

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Utah State

9. WELL NO.
2

10. FIELD AND POOL, OR WILDCAT
wildcat.

11. SEC., T., S., M., OR BLK. AND SUBST OR AREA
Sec 36, T24S, R11E

12. COUNTY OR PARISH
Emery

13. STATE
Utah

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
St. Croix Exploration

3. ADDRESS OF OPERATOR
1360 Shelard Tower, Minneapolis, Mn. 55426

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface

14. PERMIT NO.
API 43-015-30049-00

15. ELEVATIONS (Show whether OF, RT, GR, etc.)
5420 Gr.

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

This well was drilled to 400 feet in November, 1977. It appears this well is incapable of producing primary oil from the lower Triassic formation. The reservoir characteristics in this well and others drilled in the area are being analyzed in order to determine the most effective, secondary recovery technique to propose in order to recover the oil in place. Our studies with recommendations should be prepared within 90 days for your consideration.

18. I hereby certify that the foregoing is true and correct

SIGNED *V. J. Pyles* TITLE *Vice Pres.* DATE *5-14-82*

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:



ST. CROIX EXPLORATION COMPANY

~~1350 Market Parkway, Suite 100
Bloomington, Minnesota 55426
612/336-8787~~

1360 Shelard Tower
Minneapolis, MN 55426
612/546-3903

~~408 Weese Radio Building
Minneapolis, Minnesota 55402
612/336-8787~~

May 28, 1982

RECEIVED
JUN 01 1982

DIVISION OF
OIL, GAS & MINING

Ms. Cari Furse
State of Utah
Natural Resources & Energy
Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

Dear Ms. Furse:

Enclosed are "Sundry Notices and Reports on Wells"
Numbers 3 and 4 in Sec. 36, T24S, R11E and Number 1 (6)
in Sec. 32, T24S, R12E, Emery County, Utah.

Also enclosed is an Electric Log for #2, Sec. 36, T24S,
R11E, Emery County, Utah.

We will be sending you an update the middle of June.
Meanwhile if there is any further information needed,
please let us know. We appreciate your patience.

Sincerely yours,

Stanley R. Tyler
Vice President

Encl.
SRT:jd

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT **DUPLICATE***
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS <small>(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)</small>		5. LEASE DESIGNATION AND SERIAL NO. ML 33432
1. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR St. Croix Exploration		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR 1360 Shelard Tower, Minneapolis, MN 55426		8. FARM OR LEASE NAME Utah State
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface		9. WELL NO. 2
14. PERMIT NO. API 43-015-300049-00		10. FIELD AND POOL, OR WILDCAT Wildcat
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5420 Gr.		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec. 36, T24S, R11E
		12. COUNTY OR PARISH 13. STATE Emery Utah

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> SHOOT OR ACIDIZE <input type="checkbox"/> REPAIR WELL <input type="checkbox"/> (Other) <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPLETE <input type="checkbox"/> ABANDON* <input type="checkbox"/> CHANGE PLANS <input checked="" type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/> FRACTURE TREATMENT <input type="checkbox"/> SHOOTING OR ACIDIZING <input type="checkbox"/> (Other) <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> ABANDONMENT* <input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

No further work is planned until Project Review is completed.

18. I hereby certify that the foregoing is true and correct

SIGNED *Stanley J. Tyler* TITLE Vice President DATE June 30, 1982

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY: _____

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPPLICATE*
(See instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. ML 33432
2. NAME OF OPERATOR St. Croix Exploration		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 1360 Shelard Tower, Minneapolis, MN 55426		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface		8. FARM OR LEASE NAME Utah State
14. PERMIT NO. API 43-015-300049-00	15. ELEVATIONS (Show whether OF, RT, GR, etc.) 5420 Gr.	9. WELL NO. 2
		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 36, T24S, R11E
		12. COUNTY OR PARISH 13. STATE Emery Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <input type="checkbox"/>	<input checked="" type="checkbox"/>		

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

No further work is planned until Project Review is completed.

18. I hereby certify that the foregoing is true and correct.

SIGNED Stanley A. Lytle TITLE Vice President DATE 7/30/82

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

COMMENTS OF APPROVAL, IF ANY: _____

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE
(For instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. ML 33432
2. NAME OF OPERATOR St. Croix Exploration		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 1360 Shelard Tower, Minneapolis, MN 55426		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface		8. FARM OR LEASE NAME Utah State
14. PERMIT NO. API 43-015-300049-00	15. ELEVATIONS (Show whether OF, RT, OR, etc.) 5420 Gr.	9. WELL NO. 2
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		10. FIELD AND POOL, OR WILDCAT Wildcat
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec. 36, T24S, R11E
18. I hereby certify that the foregoing is true and correct		12. COUNTY OR PARISH STATE Emery Utah

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>
(Other) <input type="checkbox"/>	<input checked="" type="checkbox"/>	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

No further work is planned until Project Review is completed.

18. I hereby certify that the foregoing is true and correct

SIGNED _____	TITLE <u>Vice President</u>	DATE <u>8-30-82</u>
(This space for Federal or State office use)		
APPROVED BY _____	TITLE _____	DATE _____
CONDITIONS OF APPROVAL, IF ANY:		



ST. CROIX EXPLORATION COMPANY

~~7850 Metro Parkway, Suite 102
Bloomington, Minnesota 55420
612/854-1787~~

1360 Shelard Tower
Minneapolis, MN 55426
612/546-3903

~~406 W. CCC Park Building
Minneapolis, Minnesota 55402
612/636-9781~~

August 30, 1982

Ms. Cari Furse
State of Utah
Natural Resources and Energy
Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

Dear Ms. Furse:

Enclosed are the monthly "Sundry Notices and Reports of Wells" Numbers 1 and 3, Sec. 32, T24S, R12E, and Numbers 1, 2, 3, 4, and 5, Sec. 36, T24S, R11E, Emery County.

If you have any questions, please give us a call.

Sincerely,

Stanley R. Tyler
Stanley R. Tyler
Vice President

Encl.
jd

RECEIVED

SEP 01 1982

DIVISION OF
OIL, GAS & MINING



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

March 16, 1983

St. Croix Exploration Company
1360 Shelard Tower
Minneapolis, Mn 55426

Re: Well No. Utah State # 2 ✓
Sec. 36, T. 24S, R. 11E.
Emery County, Utah
(September 1982- February 1983)

Well No. Utah State # 3
Sec. 32, T. 24S, R. 11E.
Emery County, Utah
(September 1982- February 1983)

Gentlemen:

Our records indicate that you have not filed the monthly drilling reports for the months indicated above on the subject wells.

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1B, (U.S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for your convenience.

We will be happy to acknowledge receipt of response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a firm second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

DIVISION OF OIL, GAS AND MINING

Cari Furse
Well Records Specialist

CF/cf
Enclosure

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. ML 33432
2. NAME OF OPERATOR St. Croix Exploration		6. IF INDIAN, ALLOTTED OR TRIBE NAME
3. ADDRESS OF OPERATOR 1360 Shelard Tower, Minneapolis, MN 55426		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface		8. FARM OR LEASE NAME Utah State
14. PERMIT NO. API 43-015-300049-00	15. ELEVATIONS (Show whether OF, RT, GR, etc.) 5420 Gr.	9. WELL NO. 2
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		10. FIELD AND POOL, OR WILDCAT Wildcat
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting and completion to this work.)		11. SEC. T., S., M., OR B.L.E. AND SURVEY OR AREA Sec. 36, T24S, R11E
		12. COUNTY OR PARISH Emery
		13. STATE Utah

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

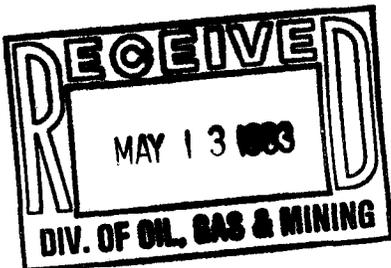
REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

No further work is planned until Project Review is completed.



18. I hereby certify that the foregoing is true and correct

SIGNED Stanley A. Niles TITLE Vice President DATE 5/10/83

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE
(See instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

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4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface		8. FARM OR LEASE NAME Utah State
14. PERMIT NO. API-43-015-300049-00	15. ELEVATIONS (Show whether OF, AT, OR, etc.) 5420 GR	9. WELL NO. 2
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		10. FIELD AND POOL, OR WILDCAT Wildcat
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting and proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)		11. SEC., T., R., M., OR B.L.E. AND SUBVST OR AREA Sec 36, T24S, R11E
(This space for Federal or State office use)		12. COUNTY OR PARISH Emery
(This space for Federal or State office use)		13. STATE Utah

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

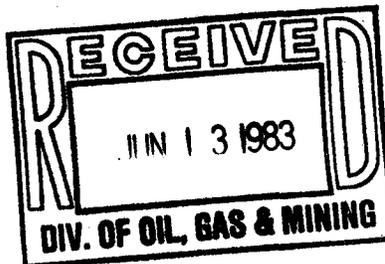
(Other)

(Other)

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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No further work is planned until Project Review is completed.



18. I hereby certify that the foregoing is true and correct

SIGNED

Stanley A. Pyle

TITLE

Vice President

DATE

6/10/83

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
 DEPARTMENT OF NATURAL RESOURCES
 DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

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2. NAME OF OPERATOR St. Croix Exploration		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 1360 Shelard Tower, Minneapolis, MN 55426		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface		8. FARM OR LEASE NAME Utah State
14. PERMIT NO. API 43-015-300049-00	15. ELEVATIONS (Show whether OF, RT, GR, etc.) 5420 Gr	9. WELL NO. 2
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		11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA Sec 36, T24S, R11E
		12. COUNTY OR PARISH 13. STATE Emery Utah

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>
(Other) <input type="checkbox"/>	<input checked="" type="checkbox"/>	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

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No further work is planned until Project Review is completed.

18. I hereby certify that the foregoing is true and correct

SIGNED Stanley S. Taylor TITLE Vice President DATE July 11, 1983

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPPLICATE*
(See instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO ML 33432
2. NAME OF OPERATOR St. Croix Exploration		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
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		12. COUNTY OR PARISH Emery
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	XXX <input type="checkbox"/>

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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No further work is planned until Project Review is completed.

18. I hereby certify that the foregoing is true and correct

SIGNED *Stanley Taylor* TITLE Vice President DATE 8/10/83

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE*
See instructions on
reverse side)

1 2

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
St. Croix Exploration

3. ADDRESS OF OPERATOR
1360 Shelard Tower, Minneapolis, MN 55426

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

14. PERMIT NO.
API 43-015-300049-00

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5420 Gr

5. LEASE DESIGNATION AND SERIAL NO.
ML 33432

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Utah State

9. WELL NO.
2

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 36, T24S, R11E

12. COUNTY OR PARISH
Emery

13. STATE
Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>
(Other) <input type="checkbox"/>	XXX <input checked="" type="checkbox"/>	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting an proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

No further work is planned until Project Review is completed.



18. I hereby certify that the foregoing is true and correct

SIGNED D. J. Carr TITLE Vice President DATE 9/09/83

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____

*See Instructions on Reverse Side

RAINY RIVER RESOURCES

1360 SHELARD TOWER
MINNEAPOLIS, MINNESOTA 55426
612/546-1382

RECEIVED
OCT 13 1983

October 11, 1983

State of Utah
Natural Resources & Energy
4241 State Office Building
Salt Lake City, Utah 84114

DIVISION OF
OIL, GAS & MINING

Dear Ms. Furse:

Enclosed are the monthly "Sundry Notices and Reports on Wells" for St. Croix Exploration's wells in Emery County, Utah.

Please give me a call if you have any questions on these.

Sincerely,

Patrice M. Carlson

Patrice M. Carlson

Enclosure

pmc

M

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. ML 33432
2. NAME OF OPERATOR St. Croix Exploration		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 1360 Shelard Tower, Minneapolis, MN 55426		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface		8. FARM OR LEASE NAME Utah State
14. PERMIT NO. API 43-015-300049-00	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5420 GR	9. WELL NO. 2
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		10. FIELD AND POOL, OR WILDCAT Wildcat
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*		11. SEC., T., R., M., OR BLK. AND SUBST. OR AREA Sec 36, T24S, R11E
		12. COUNTY OR PARISH Emery
		13. STATE Utah

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	<input checked="" type="checkbox"/>

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	<input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

No further work is planned until Project Review is completed.



18. I hereby certify that the foregoing is true and correct

SIGNED *Stanley R. Taylor* TITLE Vice President DATE 10/10/83

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY: _____

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

STAMP IN TRIPLICATE*
(See instructions on reverse side)

2 M

SUNDRY NOTICES AND REPORTS ON WELLS

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		12. COUNTY OR PARISH 18. STATE Emery Utah

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NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>

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18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE Vice President DATE 11/14/83

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE*
(See instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	<input checked="" type="checkbox"/>

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
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RECEIVED
DEC 19 1983

DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED Stanley B. Taylor TITLE Vice President DATE 12/12/83

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
COMMENTS OF APPROVAL, IF ANY: _____

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

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FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>
(Other) <input type="checkbox"/>	<input checked="" type="checkbox"/>		

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting and completion of this work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

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18. I hereby certify that the foregoing is true and correct
SIGNED Stanley B. Taylor TITLE Vice President DATE 1/12/84
(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY: _____

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

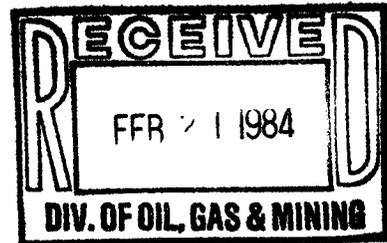
<p>1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/></p> <p>2. NAME OF OPERATOR St. Croix Exploration</p> <p>3. ADDRESS OF OPERATOR 1360 Shelard Tower, Minneapolis, MN 55426</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface</p>		<p>5. LEASE DESIGNATION AND SERIAL NO. ML 33432</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME Utah State</p> <p>9. WELL NO. 2</p> <p>10. FIELD AND POOL, OR WILDCAT Wildcat</p> <p>11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec 36, T24S, R11E</p> <p>12. COUNTY OR PARISH Emery</p> <p>13. STATE Utah</p>
<p>14. PERMIT NO. API 43-015-300049-00</p>	<p>15. ELEVATIONS (Show whether OF, RT, OR, etc.) 5420 Gr</p>	

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NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>
(Other) <input type="checkbox"/>	<input checked="" type="checkbox"/>		

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18. I hereby certify that the foregoing is true and correct

SIGNED *Therese A. Taylor* TITLE V. Pres. DATE 2-14-84

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____

*See Instructions on Reverse Side

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

PRINT IN TRIPLICATE*
(See instructions on
reverse side)

<p>SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)</p>		<p>5. LEASE DESIGNATION AND SERIAL NO. ML 33432</p>
<p>1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER</p>		<p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p>
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<p>16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data</p>		<p>12. COUNTY OR PARISH 13. STATE Emery Utah</p>

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>				
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>				
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>				
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____					
(Other) _____	<input checked="" type="checkbox"/>						

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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No further work is planned until Project Review is completed.

18. I hereby certify that the foregoing is true and correct

SIGNED By Carl TITLE VP DATE 3/13/84

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE*
(See instructions on
reverse side)

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SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT—" for such proposals.)

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FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
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18. I hereby certify that the foregoing is true and correct
SIGNED Stanley R. Nyles TITLE Vice Pres DATE 4-10-84
(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
COMMENTS OF APPROVAL, IF ANY:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN **DUPLICATE***
 (Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL **GAS WELL** **OTHER**

2. NAME OF OPERATOR
 St. Croix Exploration

3. ADDRESS OF OPERATOR
 430 First Avenue North, Suite #640, Minneapolis, MN 55401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
 At surface

14. PERMIT NO.
 API 43-015-300049-00

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5420 Gr

5. LEASE DESIGNATION AND SERIAL NO.
 ML 33432

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Utah State

9. WELL NO.
 2

10. FIELD AND POOL, OR WILDCAT
 Wildcat

11. SEC., T., R., N., OR BLK. AND SURVEY OR AREA
 Sec 36, T24S, R11E

12. COUNTY OR PARISH **13. STATE**
 Emery Utah

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FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <input type="checkbox"/>	XXX <input type="checkbox"/>		

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RECEIVED

MAY 14 1984

DIVISION OF OIL
 GAS & MINING

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SIGNED Stanley R. Taylor TITLE Vice President DATE 5/11/84

(This space for Federal or State office use)

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STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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RECEIVED

JUN 11 1984

DIVISION OF OIL
GAS & MINING

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SIGNED Stanley R. Gyles TITLE Vice President DATE 6/8/84

(This space for Federal or State office use)

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CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN DUPLICATE*
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Sec 36, T24S, R11E

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NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDISE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <input type="checkbox"/>			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

RECEIVED
AUG 13 1984
DIVISION OF OIL
GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED Monty R. Kyle TITLE Vice President DATE August 10, 1984

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

RAINY RIVER RESOURCES

430 1ST AVENUE NORTH, SUITE 640
MINNEAPOLIS, MINNESOTA 55401
612/343-0310

September 20, 1984

State of Utah
Natural Resources & Energy
Division of Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

RE: Monthly Production Reports
Emery County, Utah

Gentlemen:

During our drilling activities in Emery County (dba St. Croix Exploration) which began in 1977 and continues to the present time, we have encountered oil saturation in five (5) to seven (7) zones of interest ranging from the Mossback sandstone member of the Chinle formation, the Moenkopi sands and limestones and the Permian, Kaibab limestone.

Early drilling and core analyses gave significant figures for oil in place in the Mossback sand, ranging from 500 to 945 barrels of oil per acre foot in place. The gravity of this oil varied between 17° and 27° API.

Drilling to the deeper zones of interest confirmed additional oil accumulation in sands and limestones.

It became obvious there was a lack of reservoir energy in these formations. We drilled at varying depths and locations in an effort to prove reservoir continuity and possibly establish primary commercial oil production.

Pipe was set on several wells and they were perforated. Unfortunately this did not establish production through normal completion activities.

We became interested in determining what methods were available to the industry for recovering low gravity oil. This led to research into the many techniques available. This took time, but has helped in developing a microwave test program that is expected to start late this year.

September 20, 1984
State of Utah
Page Two

The wells previously drilled have been left in a condition to permit reentry in order to test the research tools.

We have not established commercial production from any of our wells and would prefer to list them as temporarily shut-in. Upon establishing production we will promptly file monthly production reports.

Sincerely,

A handwritten signature in cursive script that reads "Stanley R. Tyler". The signature is written in dark ink and is positioned above the typed name and title.

Stanley R. Tyler
President

SRT:pmc

RAINY RIVER RESOURCES

430 1ST AVENUE NORTH, SUITE 640
MINNEAPOLIS, MINNESOTA 55401
612/343-0310

September 20, 1984

Ms. Vicki Carney
Natural Resources & Energy
Division of Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

Dear Ms. Carney:

Enclosed please find a letter from Mr. Stanley R. Tyler, president of St. Croix Exploration, regarding the six wells in Emery County, Utah.

I hope this is satisfactory in answering your questions about the status of the wells. As always, please contact us with any questions that may arise.

Sincerely,



Patrice M. Carlson

Enclosure

:pmc

RECEIVED

SEP 24 1984

DIVISION OF OIL
GAS & MINING

030405

3

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

5. LEASE DESIGNATION AND SERIAL NO.
ML 33432

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.
STATE # 2

10. FIELD AND POOL, OR WILDCAT
WILDCAT

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
24S, 11E, SEC 36

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other _____

2. NAME OF OPERATOR
RAINY RIVER RESOURCES dba ST. CROIX EXPLORATION

3. ADDRESS OF OPERATOR
430 1ST AVE N, SUITE 640, MINNEAPOLIS, MN 55401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1195 FNL, 1690 FWL
At top prod. interval reported below _____
At total depth _____

14. PERMIT NO. 43-015-30049 | DATE ISSUED 3-2-77

12. COUNTY OR PARISH EMERY | 13. STATE UT

15. DATE SPUNDED 9-26-77 | 16. DATE T.D. REACHED 3-7-78 | 17. DATE COMPL. (Ready to prod.) P&A 2-13-87 | 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5420 GP | 19. ELEV. CASINGHEAD -

20. TOTAL DEPTH, MD & TVD 307 | 21. PLUG, BACK T.D., MD & TVD - | 22. IF MULTIPLE COMPL., HOW MANY* - | 23. INTERVALS DRILLED BY - | ROTARY TOOLS - | CABLE TOOLS -

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* NONE | 25. WAS DIRECTIONAL SURVEY MADE NO

26. TYPE ELECTRIC AND OTHER LOGS RUN NONE | 27. WAS WELL CORED NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
7 5/8		80			

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number) NONE

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

DATE FIRST PRODUCTION NONE | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) | WELL STATUS (Producing or shut-in) P&A 2-13-87

DATE OF TEST NONE | HOURS TESTED | CHOKE SIZE | PROD'N. FOR TEST PERIOD | OIL—BBL. | GAS—MCF. | WATER—BBL. | GAS-OIL RATIO

FLOW. TUBING PRESS. | CASING PRESSURE | CALCULATED 24-HOUR RATE | OIL—BBL. | GAS—MCF. | WATER—BBL. | OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) WELL NEVER COMPLETED OR TESTED - NO PRODUCTION | TEST WITNESSED BY [Signature]

35. LIST OF ATTACHMENTS
INFO REC'D FROM STAN TYLER BY TEL ON 3-5-87

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records 3-5-85
5-3-87

SIGNED _____ TITLE _____ DATE _____

*(See Instructions and Spaces for Additional Data on Reverse Side)



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

April 8, 1985

St. Croix Exploration
430 First Avenue North #640
Minneapolis, Minnesota 55401

Gentlemen:

Re: Well No. Utah State #2 - Sec. 36, T. 24S, R 11E,
Emery County, Utah - API #43-015-30049

The above listed well has been under an operation suspended status for six months or longer. Please inform this office of the current status of this well location or what operations are currently being performed on this well.

Enclosed is Form OGC-1b, "Sundry Notices and Reports on Wells", that you may use to inform our office regarding this matter.

Sincerely,

A handwritten signature in cursive script that reads "Pam Kenna".

Pam Kenna
Well Records Specialist

Enclosure

cc: Dianne R. Nielson
Ronald J. Firth
John R. Baza
File

0161S/49

file
APR 12 1985

APPLICABLE
MINE
#125-3001
RAINY RIVER RESOURCES

STAN TYLER SAID
THEY WOULD PROVIDE
WCR PLUS INTENT
TO P¹/₃A.

The undersigned is,
Resources, Division
and hereby designate

Natural
ML33432

R
4
S
M


11-6-85

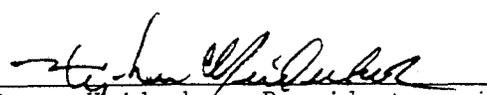
as his operator and _____ act in his
behalf in complying with the terms of the leases and regulations
applicable thereto and on whom the Director of the Division of State
Lands or his representative may serve written or oral instructions
in securing compliance with the Rules and Regulations Governing the
Issuance of Mineral Leases with respect to:

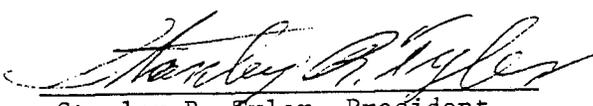
Section 36, T24S, R11E, Emery County, Utah, as part Utah, State #2
of Lease No. ML33432

It is understood that this designation of operator does not relieve
the lessee of responsibility for compliance with the terms of the
lease and the Rules and Regulations. It is also understood that this
designation of operator does not constitute an assignment of any interest
in the lease.

In case of default on the part of the designated operator, the lessee
will make full and prompt compliance with all regulations, lease terms,
or orders of the Director, Division of State Lands or his representative.

The lessee agrees promptly to notify the Division of State Lands of any
change in the designated operator.


Steve Heidecker, President
Nugget Oil Corporation
7850 Metro Parkway, Suite #208
Bloomington, MN 55420


Stanley R. Tyler, President
St. Croix Exploration Company
430 1st Avenue North, #640
Minneapolis, MN 55401

4/15/85
Date

4-11-85
Date

file
APR 12 1985

RAINY RIVER RESOURCES

430 1ST AVENUE NORTH, SUITE 640
MINNEAPOLIS, MINNESOTA 55401

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Department of Natural Resources, Division of State Lands, holder of Lease No. ML33432 and hereby designates:

Rainy River Resources, Inc.
430 First Avenue North
Suite #640
Minneapolis, MN 55401

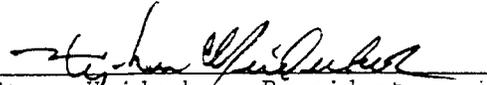
as his operator and local agent, with full authority to act in his behalf in complying with the terms of the leases and regulations applicable thereto and on whom the Director of the Division of State Lands or his representative may serve written or oral instructions in securing compliance with the Rules and Regulations Governing the Issuance of Mineral Leases with respect to:

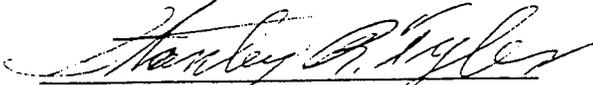
Section 36, T24S, R11E, Emery County, Utah, as part *Utah, State #2*
of Lease No. ML33432

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Rules and Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Director, Division of State Lands or his representative.

The lessee agrees promptly to notify the Division of State Lands of any change in the designated operator.


Steve Heidecker, President
Nugget Oil Corporation
7850 Metro Parkway, Suite #208
Bloomington, MN 55420


Stanley R. Tyler, President
St. Croix Exploration Company
430 1st Avenue North, #640
Minneapolis, MN 55401

Date 4/15/85

Date 4-11-85

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. ML33432
2. NAME OF OPERATOR St. Croix Exploration Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 430 First Avenue North, #640, Minneapolis, MN 55401		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface		8. FARM OR LEASE NAME Utah State
14. PERMIT NO. API 43-015-30049-00	15. ELEVATIONS (Show whether OP, RT, GR, etc.) 5420 Gr	9. WELL NO. #2
		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SUBVY OR AREA Sec 36, T24S, R11E
		12. COUNTY OR PARISH Emery
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <input type="checkbox"/>	XXX <input checked="" type="checkbox"/>	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

This well is shut-in pending results of the stimulation studies conducted in Utah State #3-A well.

No production has occurred.

18. I hereby certify that the foregoing is true and correct

SIGNED Stanley A. Pyles TITLE President DATE 4/15/85

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE
(See instructions on reverse side)

111931

SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. ML 33432
1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Permission to Plug & Abandon		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Rainy River Resources dba St. Croix Exploration		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR 430 1st Ave. N., Suite 640, Minneapolis, MN 55401		8. FARM OR LEASE NAME Utah State
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface		9. WELL NO. 2
14. PERMIT NO. API-43-015-30049-00		10. FIELD AND POOL, OR WILDCAT Wildcat
15. ELEVATIONS (Show whether DT, RT, OR, etc.) 5420 GR		11. SEC., T., R. M., OR BLK. AND SURVEY OR AREA Sec 36, T24S, R11E
12. COUNTY OR PARISH Emery		13. STATE Utah

NOV 10 1986
DIVISION OF OIL, GAS, AND MINING

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input checked="" type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Plan for Plugging and Abandon Well #2
Reason: No commercial Production

Move in and rig up rig. RIH w bailer to TD and check for fluid. If hole filled or partially filled with water, proceed with P & A. If oil is recovered, check quantity of oil in wellbore and report to Rainy River Resources for further instructions.

Bottom Hole plug-20 sacks. Plug across water zones - 20 sacks @ 50 to 60 feet to surface.

Cut off surface casing 3 1/2 feet below ground level. Fill hole with drilling mud. Set 10 sack surface plug. Weld on plate and dry hole markers. Reclaim location.

18. I hereby certify that the foregoing is true and correct

SIGNED Stanley R. Tyler TITLE Pres DATE 11-6-86

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 11-17-86
BY: John R. Bay

*See Instructions on Reverse Side

Macdonald Resources, Inc.

6662 East Long Avenue
Englewood, CO 80112
(303) 694-9447

February 21, 1987

RECEIVED
MAR 02 1987

**DIVISION OF
OIL, GAS & MINING**

Mr. John Baza, Petroleum Engineer
State of Utah
Division of Oil, Gas, & Mining
3 Triad Center, Ste. 350
Salt Lake City, Utah 84180-1203

re: Rainy River Resources dba St. Croix Exploration
Sundry Notices & Reports on Well Abandonments
in Emery County Utah

Dear Mr. Baza:

On behalf of Rainy River Resources, we have enclosed
Sundry Notices & Reports for the nine wells which were
recently abandoned.

Yours truly,



Bruce N. Gies

Encl.

cc: Mr. Stan Tyler
Rainy River Resources

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT **TRIPPLICATE***
(Other instructions on reverse side)

OPS

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Abandonment		5. LEASE DESIGNATION AND SERIAL NO. ML 33432
2. NAME OF OPERATOR Rainy River Resources dba St. Croix Exploration		6. IF INDIAN, ALLOTTEE OR TRIBE NAME 030405
3. ADDRESS OF OPERATOR 430 1st Ave. N., Suite 640, Minneapolis, MN 55401		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface		8. FARM OR LEASE NAME Utah State
14. PERMIT NO. API-43-015-30049-00		9. WELL NO. 2
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5420 GR		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC. T., R. M., OR BLE. AND SURVEY OR AREA Sec 36, T24S, R11E
		12. COUNTY OR PARISH Emery
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	(Other) _____

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Feb. 12, 1987 Well was dry - No fluid level.
Well #2 - Mix & pump 20 sack cement plug for bottom hole plug, mix & pump 4 bbls gel spacer, mix and pump 10 sack cement plug across 7-5/8" casing shoe @ 80 ft. SDFN

Feb. 13, 1987
Sec 36 Well #2 - check cement plug in casing - holding OK, mix & pump 10 sack surface cement plug, install dryhole marker.

Note: Well #2
Plugging program was changed because well had 7 5/8" casing set @ 80 ft. in addition to the surface casing @ 30 ft.

RECEIVED
MAR 02 1987

DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED B. N. Gies TITLE Consultant DATE 2/26/87

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 3-3-87
BY: [Signature]