

UTAH DIVISION OF OIL, GAS AND MINING

REMARKS: WELL LOG _____ ELECTRIC LOGS _____ FILE WATER SANDS _____ LOCATION INSPECTED _____ SUB. REPORT/ABD. _____

* Location Abandoned- Well never drilled- 5-5-82

DATE FILED 10-9-79

LAND: FEE & PATENTED STATE LEASE NO. ML-33432 PUBLIC LEASE NO. INDIAN

DRILLING APPROVED: 10-5-79

SPUDDED IN:

COMPLETED: PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION: 5234' GR

DATE ABANDONED: 5-5-82 LA

FIELD: Wildcat 3/96

UNIT:

COUNTY: Emery

WELL NO. Utah State #2

API NO: 43-015-30068

LOCATION 1701' FT. FROM ~~XX~~ (S) LINE. 464' FT. FROM (E) ~~XX~~ LINE. NE SE⁹ 1/4-1/4 SEC. 32

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				24S.	12E.	32	ST, CROIX EXPLORATIONS

FILE NOTATIONS

Entered in MID File
Location Map Pinned
Card Indexed

Checked by Chief
Approval Letter
Disapproval Letter

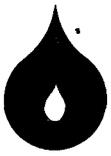
COMPLETION DATA:

.....
..... PA.....
..... OS..... PA.....

Location Inspected
Bond released
State or Fee Land

LOGS FILED

Driller's Log.....
Electric Logs (No.)
E..... I..... Dual I Lat..... GR-N..... Micro.....
BHC Sonic GR..... Lat..... MI-L..... Sonic.....
CBLog..... CCLog..... Others.....



ST. CROIX EXPLORATION COMPANY

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

406 WCCO Radio Building
Minneapolis, Minnesota 55402
612 / 336-9781

September 11, 1978

Mr. Cleon B. Feight
State of Utah
Dept. of Natural Resources
Division of Oil, Gas, and Mining
1588 West North Temple
Salt Lake City, Utah 84116

RE: APPLICATION FOR PERMIT TO DRILL

Gentlemen:

Enclosed is an application for a permit to drill located in Section 32, T. 24S, Range 12 E that we discussed today.

We are anticipating drilling during the latter part of September, either at this location or at the permitted location Section 36, T. 24S, Range 11 E.

If you have any questions please contact my office.

Very truly yours,

ST. CROIX EXPLORATION COMPANY

Stanley R. Tyler/ds
Stanley R. Tyler

SRT:ds
Enc.



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

SUBMIT IN DUPLICATE*
(Other instructions on reverse side)

5. Lease Designation and Serial No.

ML33432

6. If Indian, Allottee or Tribe Name

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL

DEEPEN

PLUG BACK

7. Unit Agreement Name

b. Type of Well

Oil Well

Gas Well

Other

Single Zone

Multiple Zone

8. Farm or Lease Name

Utah State

2. Name of Operator

St. Croix Exploration Co.

9. Well No.

#2

3. Address of Operator

7850 Metro Parkway, Suite 102, Bloomington, MN 55420

10. Field and Pool, or Wildcat

Wildcat

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

At surface 3500' FWL, 1500' FNL, in the valley due to topographic conditions. St. Croix owns the lease covering at least 660' surrounding the well site
At proposed prod. zone

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

Sec. 32, T 24S
Range 12 E

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

21 miles north - Hanksville

12. County or Parrish 13. State

Emery Co., Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)

16. No. of acres in lease

640

17. No. of acres assigned to this well

20

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

19. Proposed depth

600'

20. Rotary or cable tools

Rotary

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

5,260'

22. Approx. date work will start*

September 1978

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
8 7/8"	7"		150'	70 sacks
7 7/8"	5 1/2"		600'	120 sacks

Proposed Program: Drill with mud to 150 feet and set surface casing. Drill with air to total depth. Log and analyze oil shows. Set 5 1/2" casing to total depth if oil is encountered - circulate cement to surface

Surface formation: Triassic-Chinle
Formation at total depth: Triassic-Chinle - Moenkopi
Location plat attached

Telephone: (612) 854-1787

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.

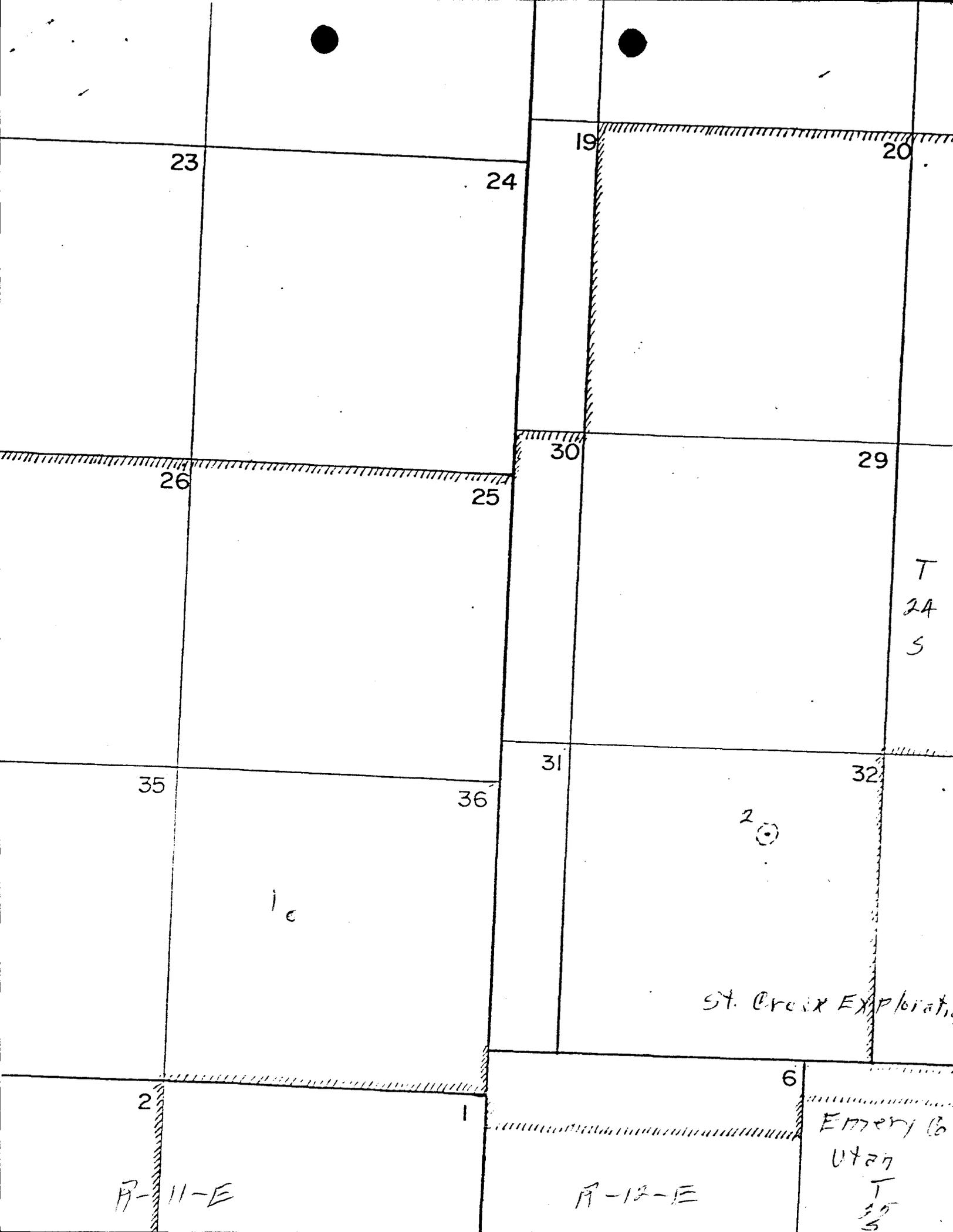
24. Signed: Stanley R. Syler Title: Vice President Date: 9/11/78

(This space for Federal or State office use)

Permit No. Approval Date

Approved by Title Date

Conditions of approval, if any:



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St. Cross Explorati.

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R-11-E

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R-12-E

Emery Co
Utah
T
24
S

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

5. Lease Designation and Serial No.

ML33432

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. 32, T 24S
Range 12 E

12. County or Parrish 13. State

Emery Co., 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

2. Name of Operator

St. Croix Exploration Co.

3. Address of Operator

7850 Metro Parkway, Suite 102, Bloomington, MN 55420

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

At surface 3500' FWL, 1500' FNL, in the valley due to topographic conditions. St. Croix owns the lease covering at least 660' surrounding the well site
At proposed prod. zone

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 drlg. line, if any)

16. No. of acres in lease

640

17. No. of acres assigned to this well

20

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

19. Proposed depth

600'

20. Rotary or cable tools

Rotary

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

5,260'

22. Approx. date work will start*

September 1978

23.

PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
8 7/8"	7"		150'	70 sacks
7 7/8"	5 1/2"		600'	120 sacks

Proposed Program: Drill with mud to 150 feet and set surface casing. Drill with air to total depth. Log and analyze oil shows. Set 5 1/2" casing to total depth if oil is encountered - circulate cement to surface

Surface formation: Triassic-Chinle
Formation at total depth: Triassic-Chinle - Moenkopi
Location plat attached

Telephone: (612) 854-1787

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.

24.

Signed

Stanley R. Taylor

Title Vice President

Date 9/11/78

(This space for Federal or State office use)

Permit No.

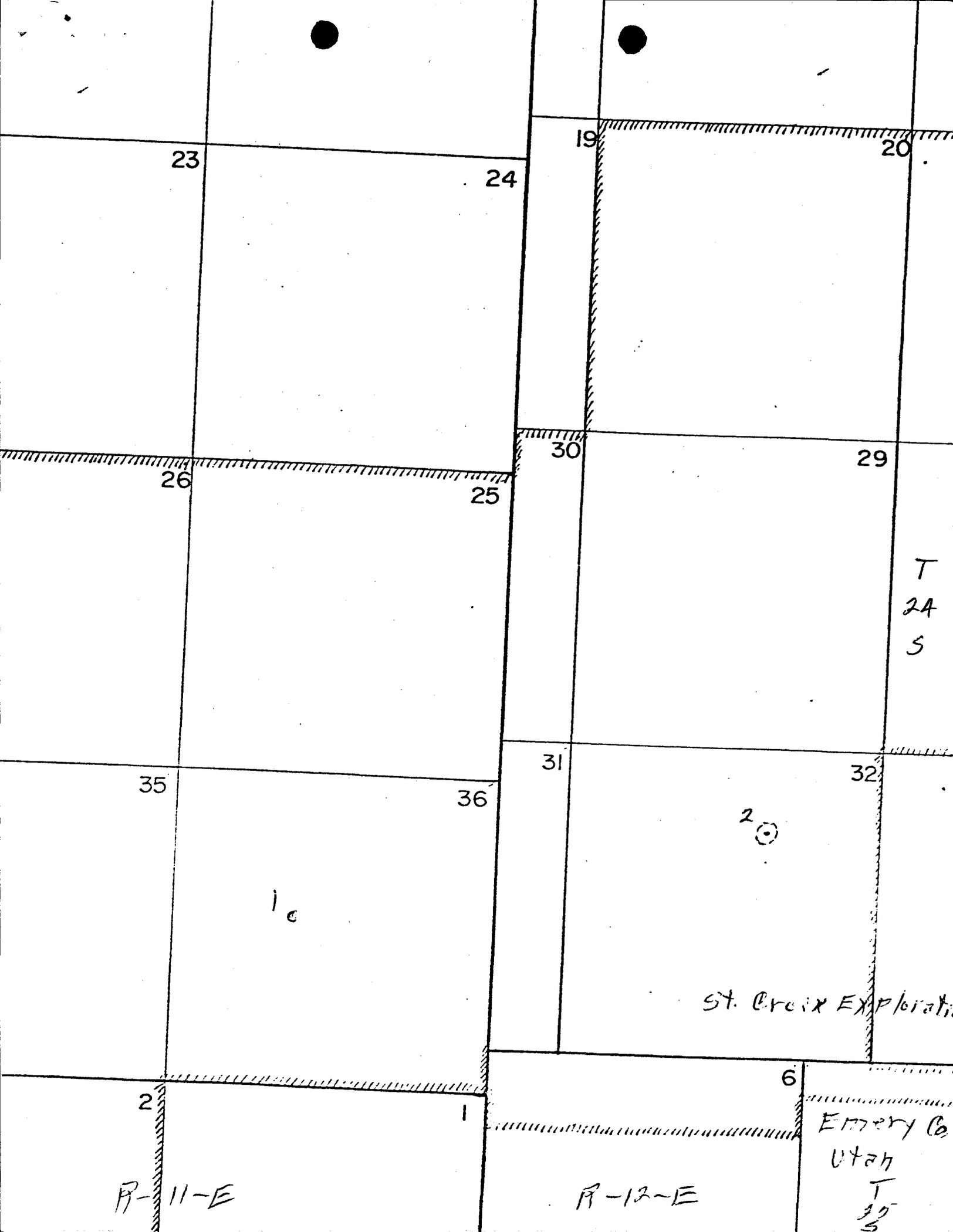
Approval Date

Approved by

Title

Date

Conditions of approval, if any:



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St. Croix Exploration

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R-11-E

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R-12-E

Emery Co

Utah

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STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING

** FILE NOTATIONS **

Date: Sept. 18-
Operator: H. Cross Explorator
Well No: Ut. State #2
Location: Sec. 32 T. 24S R. 12E County: Quincy

File Prepared: Entered on N.I.D.:
Card Indexed: Completion Sheet:
API Number: 43-015-30062

CHECKED BY:

Administrative Assistant: _____
Remarks: #1 - SWHWE
Petroleum Engineer: _____
Remarks: _____
Director: _____
Remarks: _____

Should have a Provisional approval. The future to date planning and results incorporated into a report should be unless adequate planning is presented to the Division. it is recommended no further approvals be granted.

INCLUDE WITHIN APPROVAL LETTER:

Bond Required: State Survey Plat Required:
Order No. 170-1 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

ST. CROIX-NUGGET JOINT VENTURE

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

*aprove Both wells
TC-3 Top Exception
Provided a Bond
Filed in state fund Bd
Z*

October 4, 1979

Mr. Cleon B. Feight
State of Utah - Department of Natural Resources
Division of Oil, Gas and Mining
1588 West North Temple
Salt Lake City, Utah 84116

Dear Mr. Feight:

Enclosed are two Applications for Permit to Drill our # 2 and # 3 wells located in Section 32, Township 24 S, Range 12 E, Emery County, Utah.

We have been fortunate enough to acquire a rig that could move on location the week of October 22, 1979 and request processing of these Applications at your earliest convenience.

If you should have any questions, please don't hesitate to contact us.

Sincerely,

ST. CROIX-NUGGET JOINT VENTURE

Stanley R. Tyler
Stanley R. Tyler

/mc
Enc.

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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL

DEEPEN

PLUG BACK

7. Unit Agreement Name

b. Type of Well

Oil Well

Gas Well

Other

Single Zone

Multiple Zone

8. Farm or Lease Name

Utah State

2. Name of Operator

St. Croix Explorations

9. Well No.

#2

3. Address of Operator

Suite 102, 7850 Metro Parkway, Bloomington, MN 55420

10. Field and Pool, or Wildcat

Wildcat

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

At surface 1701' from south line; 464' from east line
Section 32

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

Sec. 32, T 24S, R 12E

At proposed prod. zone

same NE SE

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

21 miles north - Hanksville

12. County or Parrish 13. State

Emery Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. line, if any)

464'

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.

19. Proposed depth

1500'

20. Rotary or cable tools

Rotary

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

5234 GR

22. Approx. date work will start*

10/22/79

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
9 5/8"	7 5/8"		500'	160 SX
7"	5 1/2"		1500' (+-)	

Proposed Program: Drill with air to total depth, coring some sections exhibiting oil shows, running logs, set 5 1/2" casing to total depth and cement to surface if needed. May test oil zones open hole.

Surface formation: Triassic - Chinle
Formation at T.D.: Permian - Kaibab - Coconio

Location plat attached

Telephone: 612/854-1787



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.

24. Signed: Stanley R. Taylor Title: V. Pres Date: 10-4-79

(This space for Federal or State office use)

Permit No. Approval Date

Approved by Title Date

Conditions of approval, if any:

PL

P.O. BOX 654
GREEN RIVER, WYOMING
82935

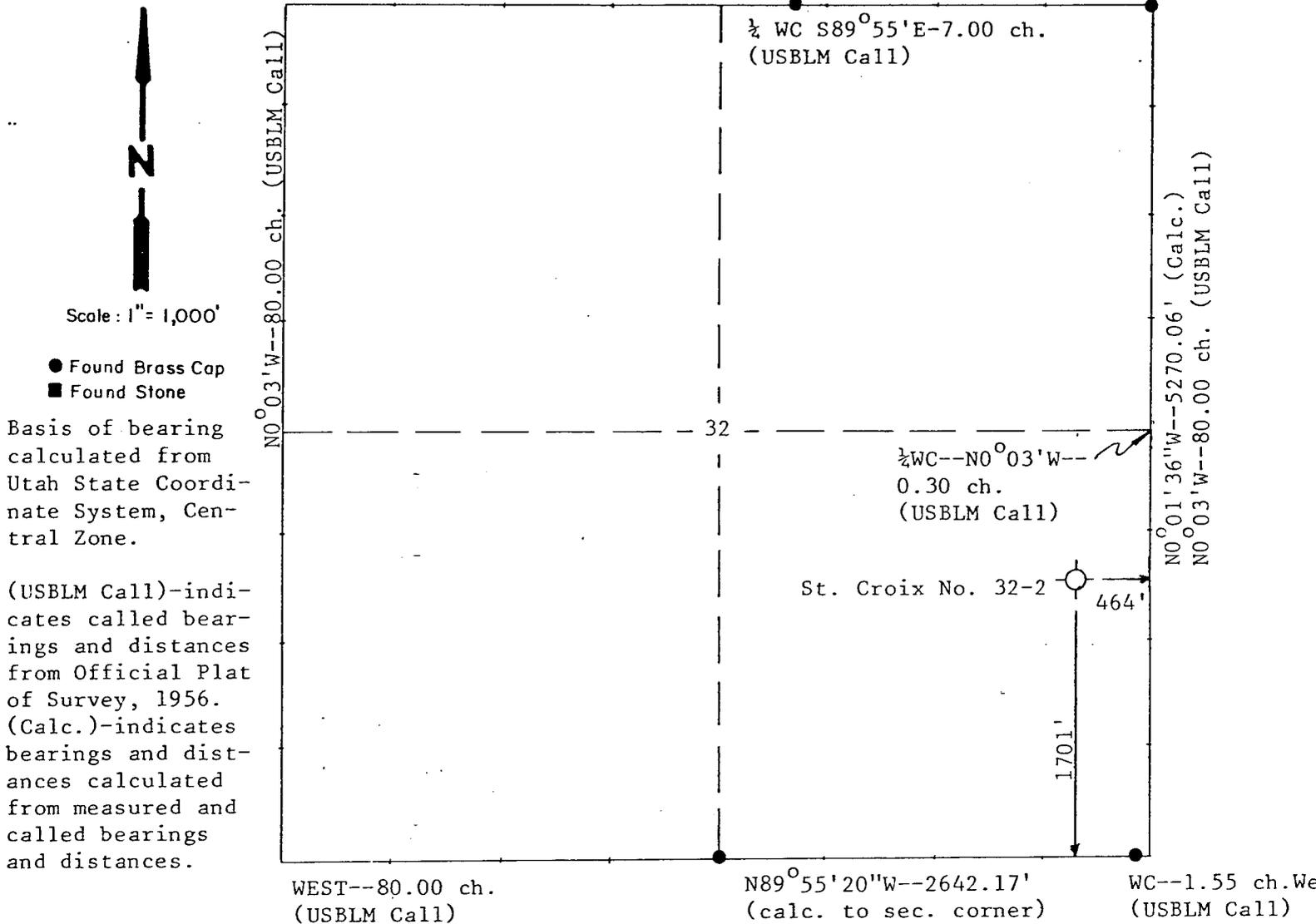
WILLIAM H. SMITH & ASSOCIATES
SURVEYING CONSULTANTS,

P.O. BOX 1300
MOAB, UTAH
84532

TELEPHONE: (307) 875-3638

TELEPHONE: (801) 259-686

T 24 S R 12 E
(USBLM Call) N89°55'W--79.94 ch. N89°47'23"W--2635.97' (Calc.)



I, William H. Smith of Green River, Wyoming hereby certify that in accordance with a request from Stanley R. Tyler of Bloomington, Minnesota for St. Croix Exploration made a survey on the 25th day of September 19 79 for location and elevation of the St. Croix No. 32-2 As shown on the above map, the wellsite is in the SE/4 of Section 32, Township 24 South, Range 11 East of the Salt Lake Base & Meridian, Emery County, State of Utah Elevation is 5234 feet ungraded ground Datum Established from USC&GS bench marks R-11 and S-11

Reference Point	200 feet	North	Rebar and lath	Elevation top rebar	5256.8
Reference Point	150 feet	East	Rebar and lath	Elevation top rebar	5248.4
Reference Point	202 feet	South	Rebar and lath	Elevation top rebar	5236.6
Reference Point	230 feet	West	Rebar and lath	Elevation top rebar	5236.2

William H. Smith
Utah R.L.S. NO. 2764

** FILE NOTATIONS **

DATE: October 5, 1979

Operator: St Croix Explorations

Well No: Utah State #2

Location: Sec. 32 T. 24S R. 12E County: Emery

File Prepared:

Entered on N.I.D.:

Card Indexed:

Completion Sheet:

API Number 43-015-30068

CHECKED BY:

Geological Engineer: _____

Petroleum Engineer: _____

Director: 170-17
C-3 topo exception ORIGINAL SIGNED BY C. B. FEIGER

APPROVAL LETTER:

Bond Required:

Survey Plat Required:

Order No. 170-18/24/77

O.K. Rule C-3

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

Lease Designation State

Plotted on Map

Approval Letter Written

WLM

#3 plus kmh

PI

October 5, 1979

St. Croix Explorations
7850 Metro Parkway, Suite 102
Bloomington, New Mexico 55420

Re: Well No. Utah State #2, Sec. 32, T. 24S, R. 12E., Emery County, Utah
Well No. Utah State #3, Sec. 32, T. 24S, R. 12E., Emery County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil wells is hereby granted in accordance with the Order issued in Cause No. 170-1 dated August 24, 1977.

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

MICHAEL T. MINDER
Geological Engineer
Office: 533-5771
Home: 876-3001

or

FRANK M. HAMNER
Chief Petroleum Engineer
Office: 533-5771
Home: 531-7827

Enclosed please find Form OGC-8-Xm which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API numbers assigned to these wells are Utah State #2 - 43-015-30068;
Utah State #3 - 43-015-30069.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael T. Minder
Geological Engineer

/b.t.m

cc: Donald Prince



SCOTT M. MATHESON
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

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

CHARLES R. HENDERSON
Chairman

CLEON B. FEIGHT
Director

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

February 7, 1980

St. Croix Explorations
7850 Metro Parkway, Suite #102
Bloomington, ~~New Mexico~~ 55420

MINNESOTA

RE: Well No. Utah State #2
Sec. 32, T. 24S, R. 12E,
Emery County, Utah
Months Due: Dec. 1979-Jan. 1980

Gentlemen:

Our records indicate that you have not filed the monthly drilling report(s) for the month (s) indicated above on the subject well(s).

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.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

DEBBIE BEAUREGARD
CLERK-TYPIST

July 20, 1981

St. Croix Explorations
7850 Metro Parkway, Suite 102
Birmingham, Minnesota 55420

Re: Well No. Utah State #2
Sec. 32, T. 24S, R. 12E
Emery County, Utah

Well No. Utah State #6
Sec. 36, T. 24S, R. 11E
Emery County, Utah

Gentlemen:

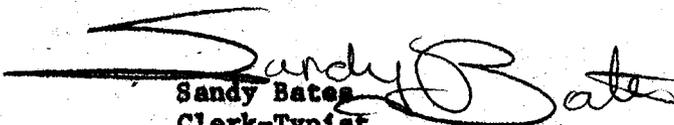
In reference to above mentioned wells, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill these wells, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan on drilling these locations 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


Sandy Bates
Clerk-Typist

/lm



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

February 4, 1982

St. Croix Explorations
7850 Metro Parkway, Suite 102
Bloomington, Minnesota 55420

Re: Well No. Utah State #6
Sec. 36, T. 24S, R. 11E
Emery County, Utah

Well No. Utah #2
Sec. 32, T. 24S, R. 12E
Emery County, Utah

SECOND NOTICE

Gentlemen:

In reference to the above mentioned wells, 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 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 these wells, and action will be taken to terminate the application. If you plan to drill this location 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

Cari Furse
Clerk Typist

Board/Charles R. Henderson, Chairman • John L. Bell • E. Steele McIntyre • Edward T. Beck
Robert R. Norman • Margaret R. Bird • Herm Oisen

• This #2 - Newer

CHEP

drilled
according
to
file
cons
Apr 13
(KO)

Colored clips

Show 2 diff foot loc
in (both in)
sec 32, 245, 12E

(maybe same - but
from diff des.
the) one from N line &
" " 'S' line

GIVE info to Deb. also
For questions on

St. Croix - Ut State wells

Contact: Stan Tyler
(612) 854-1787

Verify
w/ Stan
Tyler
before
calling
PI

- (2 Two) #2 wells:
- 1) one in sec. 32 never drilled (L.A.)
 - 2) one in sec. 36 - has been drilled - awaiting completion (O.S.)
(on all wells - encountered oil shows & zones being evaluated)

Two #3's also

- 1) One in sec. 32 ^(245, 12E) - spudded - status same as #2 (OS)
- 2) One in sec. 36 ^(245, 11E) will be well # change to #6



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

May 5, 1982

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

Re: Well No. Utah State #6
Sec. 36, T. 24S, R. 11E.
Emery County, Utah

Well No. Utah State #2
Sec. 32, T. 24S, R. 12E.
Emery County, Utah

Gentlemen:

Approval to drill the above mentioned wells, which was granted in our letter of October 17, 1980 & October 5, 1979, is hereby terminated for failure to spud them within a reasonable period of time.

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

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Cleon B. Feight
Cleon B. Feight
Director

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

RECEIVED

September 20, 1984

SEP 24 1984

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

DIVISION OF OIL
GAS & MINING

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 Carlson

Patrice M. Carlson

Enclosure

:pmc

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

Submit in triplicate*
(Refer 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 type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Permission to Plug & Abandon		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
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 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"/>	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 B. Tyler TITLE Pres DATE 11-6-86

(This space for Federal or State office use)

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

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

DATE: 11-17-86
BY: Original Signed by John R. Baza