

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS WELL LOG ELECTRIC LOGS FILE **X** WATER SANDS LOCATION INSPECTED SUB REPORT/abd

DATE FILED **11-05-84**
 LAND: FEE & PATENTED STATE LEASE NO **ML 33432** PUBLIC LEASE NO INDIAN
 DRILLING APPROVED: **11-20-84 - OIL (Cause No. 170-1)**
 SPUDDED IN
 COMPLETED PUT TO PRODUCING
 INITIAL PRODUCTION:
 GRAVITY API
 GOR
 PRODUCING ZONES
 TOTAL DEPTH
 WELL ELEVATION
 DATE ABANDONED: *O/A. Application Rescinded 5-23-86*
 FIELD **WILDCAT**
 UNIT
 COUNTY **EMERY**
 WELL NO **STATE #7** API #**43-015-30213**
 LOCATION **2291' FSL** FT. FROM (N) (S) LINE. **1058' FWL** FT. FROM (E) (W) LINE. **NW SW** 1/4 - 1/4 SEC. **36**

TWP.	RGE	SEC	OPERATOR	TWP.	RGE	SEC	OPERATOR
24S	11E	36	ST. CROIX EXPLORATION				

RAINY RIVER RESOURCES

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

RECEIVED

NOV 05 1984

**DIVISION OF OIL
GAS & MINING**

November 2, 1984

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

Gentlemen:

Enclosed please find three (3) copies of a Permit to Drill application for Section 36, T24S, R11E in Emery County, Utah. As indicated on the application, the enclosed plats identify the location of the well.

Please contact Mr. Stanley R. Tyler if there are any questions.

Thank you.

Sincerely,

RAINY RIVER RESOURCES

Patrice M. Carlson

Patrice M. Carlson

Enclosures

:pmc

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

(Other instructions on reverse side)

12

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

3. Address of Operator

430 First Avenue North, #640, Minneapolis, MN 55401

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

At surface

See surveyed location map

At proposed prod. zone

Mossback

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

28 miles northeast of Hanksville

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

1058 FWL 2291 PSL

16. No. of acres in lease

17. No. of acres assigned to this well

20 acres

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

1320 N. of #5

19. Proposed depth

350'

20. Rotary or cable tools

Rotary

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

5425' Gr.

22. Approx. date work will start*

November 15, 1984

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
5"	7"	---	70	----

RECEIVED

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DIVISION OF OIL GAS & MINING

Mossback

We propose to drill a slim hole to the Mossback, core 30 feet and place a temporary plug in the well while the core is being analyzed, regarding response to microwaves. If successful the well will be reamed, cased with 7" casing to the top of the Mossback and tested downhole with a microwave tool for approximately two months.

Deeper zones may also be evaluated.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 11/20/84
BY: John R. Beyer

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 A. Taylor Title: Vice President Date: November 2, 1984

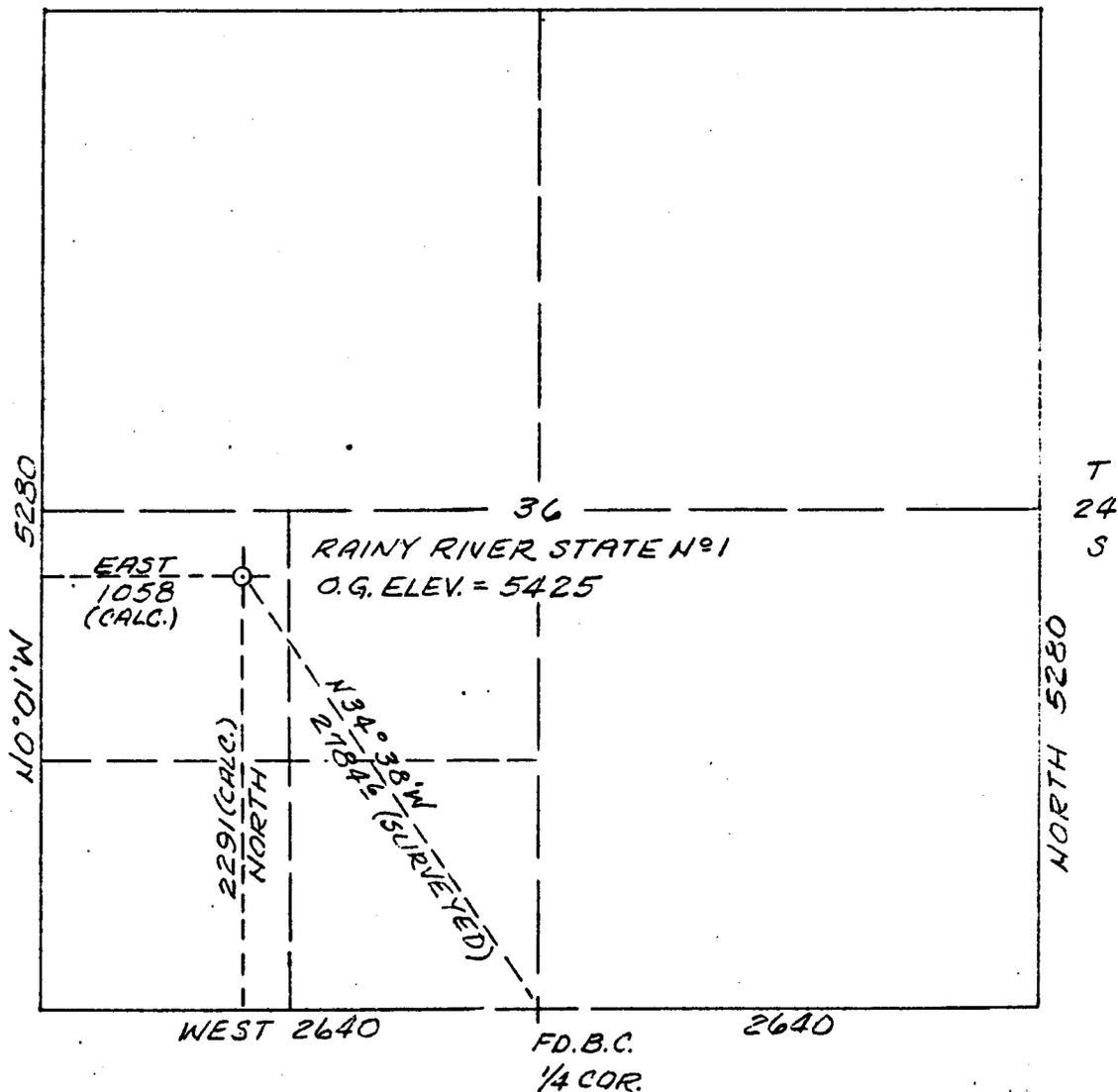
(This space for Federal or State office use)

Permit No. Approval Date

Approved by Title Date

Conditions of approval, if any:

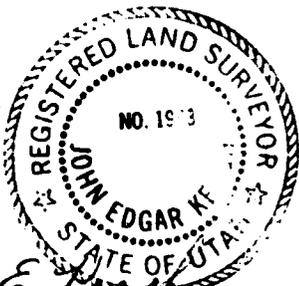
R11E



N
 BEARING FROM SOLAR OBSERVATION

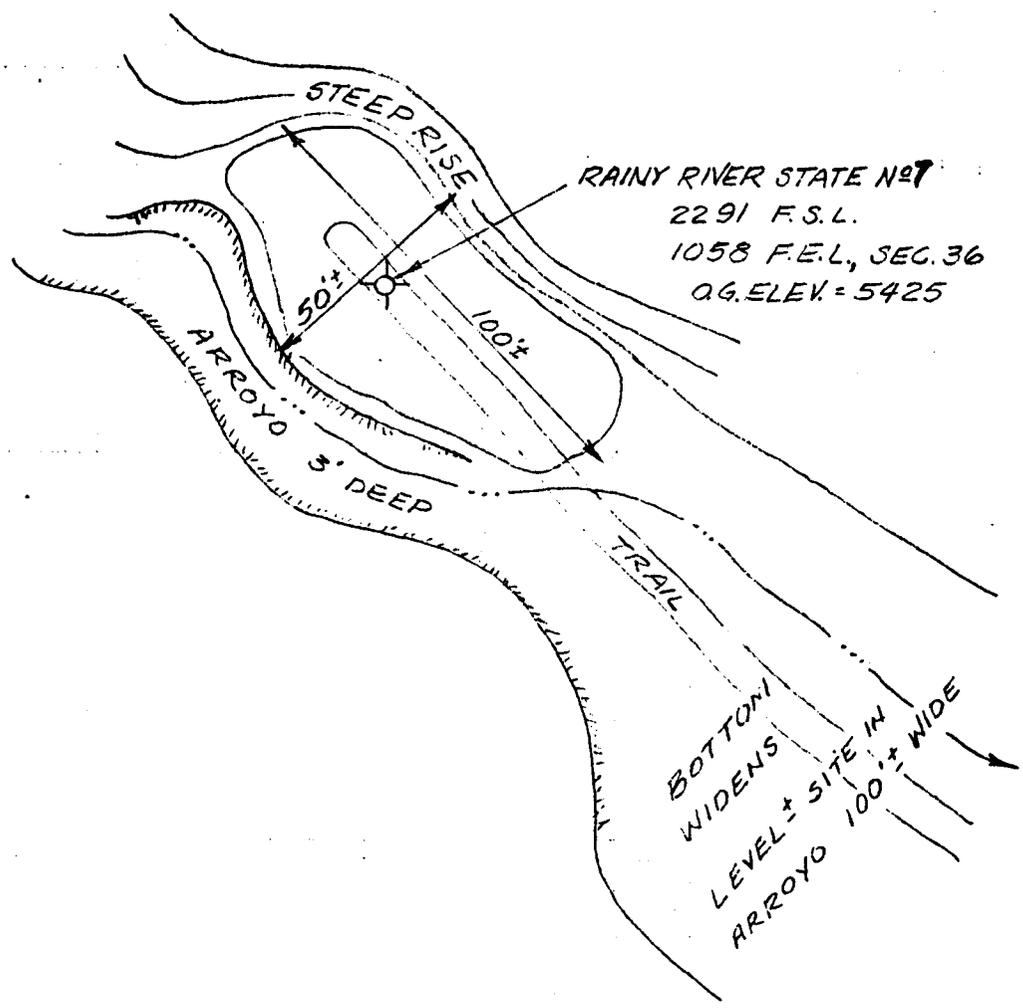
WELL LOCATION PLAT OF
 RAINY RIVER STATE N°1
 IN NW 1/4 SW 1/4, SEC. 36, T24S, R11E, S.L.B. & M.
 EMERY COUNTY, UTAH
 SCALE: 1" = 1000' OCT. 18, 1984
 TRANSIT & E.D.M. SURVEY
 FOR: RAINY RIVER RESOURCES

ELEV. BY VER. ANGLES FROM U.S.G.S.
 TOPO. QUAD. "TEMPLE MTN, UTAH" 1953
 (SOUTH 1/4 COR., SEC. 36 = 5460)



John E. Edgar
 UTAH R.L.S. N°1963

ZILL SITE SKETCH
RAINY RIVER STATE N°1
IN NW¼ SW¼, SEC. 36, T24S, R11E, S.L.B. & M.
EMERY COUNTY, UTAH
SCALE: 1" = 40' OCT. 18, 1984
J.E. KEOGH, UTAH R.L.S. N° 1963



file
APR 12 1985

RAINY RIVER RESOURCES

430 1ST AVENUE NORTH, SUITE 640
MINNEAPOLIS, MINNESOTA 55401
812/343-0310

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:

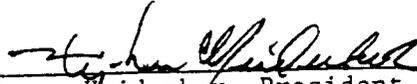
Section 36, T24S, R11E, Emery County, Utah, as part
of Lease No. ML33432

State #7

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

Date

9/15/85


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

Date

4-11-85

OPERATOR St. Croix Exploration/Nuggett DATE 11-7-84
(Joint Venture)
WELL NAME State #7
SEC NW SW 36 T 24S R 11E COUNTY Emery

43-015-30213
API NUMBER

State
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

NEAREST WELL

LEASE

FIELD

POTASH OR
OIL SHALE

PROCESSING COMMENTS:

Cancel #170-1
Need water permits

APPROVAL LETTER:

SPACING: A-3 _____ UNIT

c-3-a

170-1 8/24/77
CAUSE NO. & DATE

c-3-b

c-3-c

STIPULATIONS:

1 - water
~~1 - water~~ 2 - State history.

RAINY RIVER RESOURCES

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

RECEIVED

November 9, 1984

NOV 13 1984

State of Utah
Division of Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84118

**DIVISION OF OIL
GAS & MINING**

RE: Eight Point Plan for State Well 36-#7
St. Croix Exploration Company

Geological Formation - The well is expected to spud into the Upper Chinle (triassic) red beds. The Mossback sandstone member of the Chinle is expected to be found at approximately 200 feet and a 30 foot core taken.

Total Depth - The well is expected to reach a total depth of 300 feet.

Fluid Expected - A low gravity oil is expected to be found in the Mossback. No natural oil movement is expected. Traces of gas and water may be encountered.

Casing Program - A conductor pipe is expected to be run to a depth of 20 feet. No additional casing will be run in this small well. After surface tests of the core, a decision will be made to ream well and run 7" casing to a point above the Mossback member or to abandon the well. It is estimated this process will take six (6) weeks of surface testing.

Mud up - We anticipate drilling with air, but in the event mud is required, we will mud up.

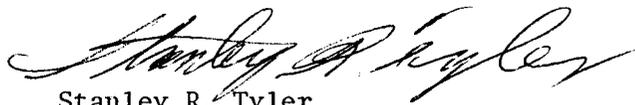
Testing, logging and coring - We expect no natural oil flow into the well bore. No testing will be done. No logging will be done at this time, but a G-R Neutron, IES or equivalent will be run after reaming.

Bottom Hole Pressure - Pressures of less than 150 psi are expected in the Mossback.

November 9, 1984
State of Utah
Page Two

Additional Information - We anticipate reentering this well for several months testing and would like to use the mud pits during this testing time. We may also request the option to deepen this well and test other zones.

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



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

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

November 20, 1984

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

Gentlemen:

Re: Well No. State #7 - NW SW Sec. 36, T. 24S, R. 11E
2291' FSL, 1058' FWL - Emery County, Utah

Approval to drill the above referenced oil well is hereby granted in accordance with Order of Cause No. 170-1 dated August 24, 1977 subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.
2. Prior to any ground-disturbing activity on state lands or lands owned or controlled by the State or its subdivisions, a cultural resource clearance report must be filed with and approved by the Division of State History, phone (801) 533-4563. A list of acceptable archeological contractors is available from the Division of State History.

In addition, the following actions are necessary to fully comply with this approval:

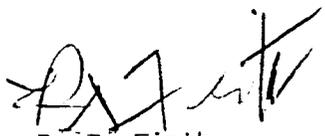
1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695 or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.

St. Croix Exploration
Well No. State #7
November 20, 1984
Page 2

- 5. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-015-30213.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

as
Enclosures
cc: State Lands



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 23, 1986

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

Gentlemen:

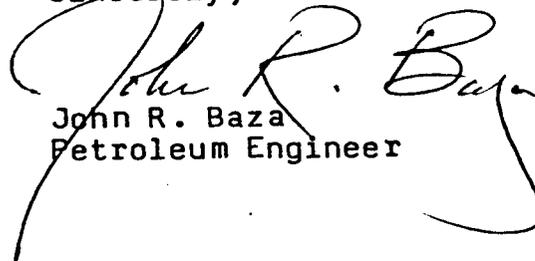
RE: Well No. State #7, Sec.36, T.24S, R.11E, Emery County, Utah
API NO. 43-015-30213

Due to excessive time delay in commencing drilling operations, approval to drill the subject well is hereby rescinded, effective one calendar month from the date of this notice.

If it is your intent to proceed with operations on the well, you must submit a request for extension of the approval to drill within the one month grace period. After the grace period, a new Application for Permit to Drill must be filed with this office for approval, prior to future drilling of the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division of Oil, Gas and Mining immediately.

Sincerely,


John R. Baza
Petroleum Engineer

cc: State Lands
D. R. Nielson
R. J. Firth
Well File

0278T-45



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 23, 1986

RECEIVED
JUL 23 1986

DIVISION OF
OIL, GAS & MINING

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

Gentlemen:

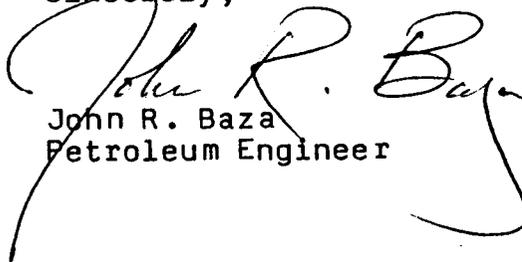
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Sincerely,



John R. Baza
Petroleum Engineer

cc: State Lands
D. R. Nielson
R. J. Firth
Well file
0278T-45

APR 28 1986

RAINY RIVER RESOURCES

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

RECEIVED
JUL 23 1986

**DIVISION OF
OIL, GAS & MINING**

July 21, 1986

Mr. John R. Baza
State of Utah Natural Resources
Oil, Gas & Mining Division
355 West North Temple
3 Triad Center, Suite #350
Salt Lake City, UT 84180-1203

RE: Letter of April 23, 1986 regarding Well No. State #7, Sec. 36,
T 24S, R11E, Emery County, Utah. API No. 43-015-30213

Dear Mr. Baza:

I regret the delay in responding to your April 23 letter, but several of our Gulf Coast projects have kept me fully occupied.

When we received approval to drill at this location, we arranged to have it drilled as a strat test to confirm the Mossback's presense without attempting to produce any hydrocarbons. We notified your office of the commencement date, drilled and took a core of the Mossback.

The location was ordered plugged and abandoned and pits cleaned and land surface restored. I have not been back to that location, but did mention our activity to Jean Dupre during our last trip to Utah.

If there is a problem regarding this, please let us know.

We would like to extend the term of these state leases for two more years. We are attempting to get the rights and equipment for a microwave test on these leases and if successful, we would contact you about the timing and required permits.

Sincerely,



Stanley R. Tyler
President

SRT:pmc

Thank you for your letter of July 21, 1986 to John Baza providing information about the referenced well. The attached "records review" letter requests the reports which are necessary to properly close the well out of the active well file. Those reports ~~the requested~~ ^{required} reports include a spud report, drilling reports, and subsequent report of plugging which outlined the plugging procedures used; plus a well completion report and copies of logs or tests. You may choose to combine the reports, except (that) the well completion report ^{changed} must remain a separate report.

In view of ~~the~~ your July 21, 1986 letter, John Baza's ^{communication} ~~letter~~ of April 23, 1986 which rescinds approval to drill the referenced well, is withdrawn.

You can see the problems which are generated when drilling activity is not properly reported, and your future attention to proper reporting will be very much appreciated. Please call if there are questions ^{on this matter.}

include 5005
on list of
cc