

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.

U-0143521-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

River Bend

8. FARM OR LEASE NAME

RBU

9. WELL NO.

4-22F

10. FIELD AND POOL, OR WILDCAT

NATURAL BUTTES

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA

Sec 22-T10S-R 20E

12. COUNTY OR PARISH | 13. STATE

Uintah

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

CNG Producing Company

3. ADDRESS OF OPERATOR

705 S. Elgin Ave., P. O. Box 2115, Tulsa, Oklahoma 74101-2115

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

891' FNL & 1164' FWL

RECEIVED

At proposed prod. zone

Same

APR 15 1985

NW/NW

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

10 miles SW of Ouray

10. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)

891' GAS & MINING 160

DIVISION OF OIL AND GAS

17. NO. OF ACRES ASSIGNED TO THIS WELL

160

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

None

19. PROPOSED DEPTH

±6300'

Wheeler

20. ROTARY OR CABLE TOOLS

Rotary

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

5081 GR

22. APPROX. DATE WORK WILL START\*

May 29, 1985

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	+ 400'	Cmt calc. to surface
7-7/8"	5-1/2"	17#	±6300'	Cmt Calc. to surface

Subject development well will be drilled to the proposed depth and set casing as above if producible hydrocarbons are indicated. Should the well be plugged and abandoned, it will be done in accordance with instructions from the BLM. All Conditions for Approval of Notice to Drill will be adhered to.

Exhibits Attached

"A" Plat

"B" Drilling Plan

"C" Blow Out Preventor Equipment

"D" Surface Use Plan

"E" Access Roads

"F" Production Facilities

"G" Wellsite Layout

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

*Murray C. Bechtel*

TITLE Senior Engineering Technician

DATE 4-11-85

(This space for Federal or State office use)

PERMIT NO.

APPROVED BY THE STATE

OF UTAH DIVISION OF

OIL, GAS, AND MINING

APPROVED BY

TITLE

DATE: 4/22/85

BY: *John R. Day*

CONDITIONS OF APPROVAL, IF ANY:

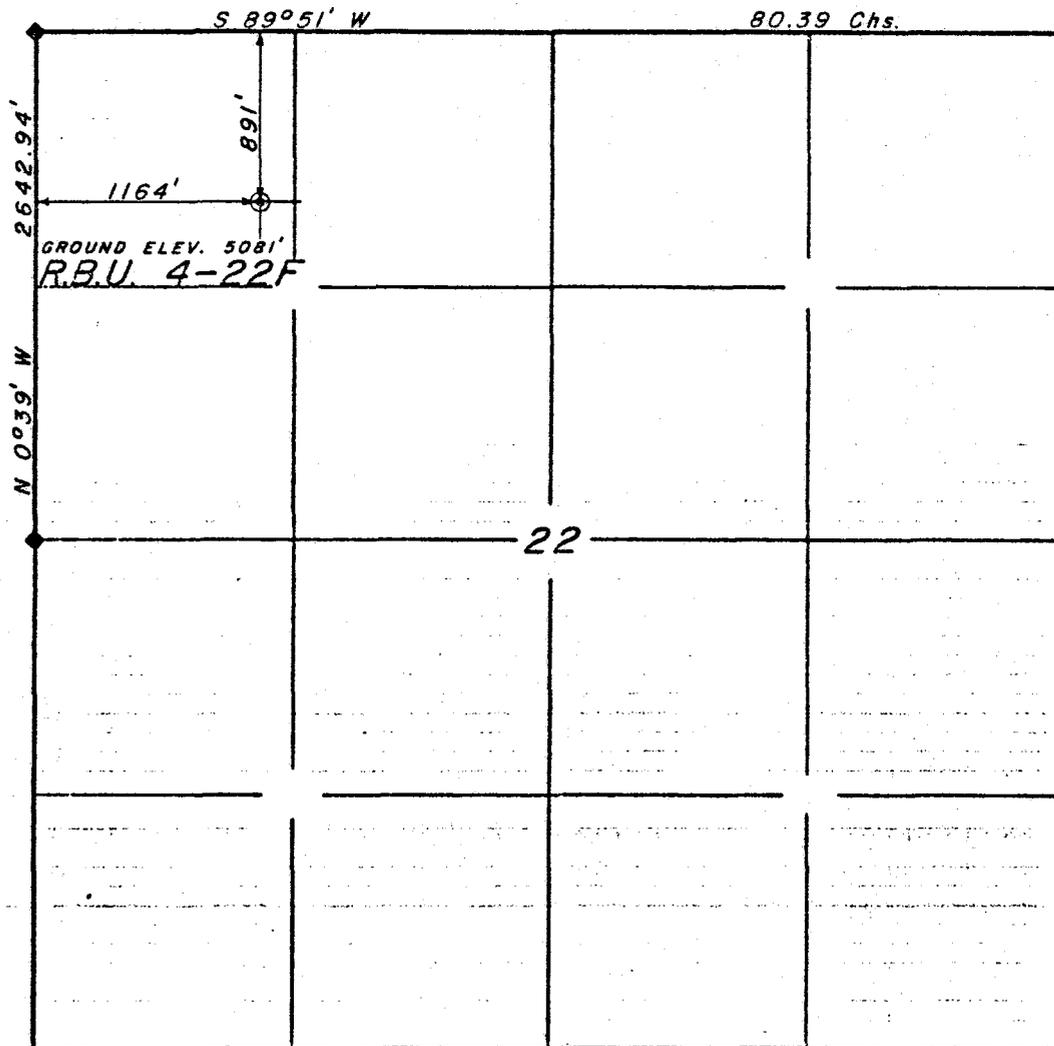
WELL SPACING: A-3 Unit Well

\*See Instructions on Reverse Side

**CNG PRODUCING CO.  
WELL LOCATION PLAT  
R.B.U. 4-22F**

LOCATED IN THE NW $\frac{1}{4}$  OF THE NW $\frac{1}{4}$  OF  
SECTION 22, T10S, R20E, S.L.B.&M.

EXHIBIT "A"



SCALE: 1"=1000'

**LEGEND & NOTES**

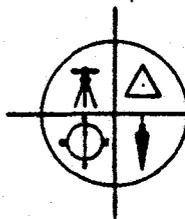
◆ ORIGINAL CORNERS FOUND AND USED BY  
THIS SURVEY.

THE GENERAL LAND OFFICE PLAT WAS USED  
FOR REFERENCE AND CALCULATIONS.

**SURVEYOR'S CERTIFICATE**

I hereby certify that this plat was prepared  
from field notes of an actual survey  
performed by me, during which the shown  
monuments were found or established.

*Jerry D. Allred*  
\_\_\_\_\_  
Jerry D. Allred, Registered Land  
Surveyor, Cert. No. 3817 (Utah)



**JERRY D. ALLRED & ASSOCIATES**  
Surveying & Engineering Consultants

121 North Center Street  
P.O. Drawer C  
DUCHESNE, UTAH 84021  
(801) 738-5352

ONSHORE OIL AND GAS ORDER NO. 1Drilling Plan

CNG Producing Company  
 River Bend Unit  
 RBU 4-22F  
 Section 22-T10S-R20E  
 891' FNL & 1164' FWL  
 Uintah County, Utah

1. Estimated Tops of Important Geologic Markers

<u>Formation</u>	<u>Depth</u>	<u>Datam</u>
Surface	0'	+5095
X-Marker	1865'	+3230
Wasatch Tongue	3990'	+1105
Green River Tongue	4332'	+ 763
Wasatch	4500'	+ 595
Chapita Wells	5152'	- 57
Utteland Buttes	6148'	-1053

2. Estimated Depths of Anticipated Water, Oil, Gas or Minerals

<u>Formation</u>	<u>Depth</u>	<u>Remarks</u>
Green River Tongue	4332'	Oil
Wasatch	4500'	Gas
Chapita Wells	5152'	Gas
Utteland Buttes	6148'	Gas

3. Operators Minimum Specifications for Pressure Control

(See Exhibit "C")

Exhibit "C" is a schematic diagram of the BOPE. BOP's and choke manifold will be installed and pressure tested before drilling out casing cement plugs. The BOP's will be pressure tested to 1000 psi and annular type preventer to 750 psi. Pipe rams will be operated daily and blind rams as possible.

4. Proposed Casing Program

<u>Size of Casing</u>	<u>Weight &amp; Grade</u>	<u>Setting Depth</u>	<u>Quantity of Cement</u>
8-5/8"	24#, K-55	± 400'	Calculated to surface
5-1/2"	17#, K-55 & N-80	±6300'	Calculated to surface

5. Proposed Mud Program

The well is to be drilled with a salt water mud system maintaining a weight of approximately 9#/gal with 10# gal saltwater weighting materials on location sufficient to weight up for pressure control. No chromates will be used in the drilling fluid.

6. Auxiliary Equipment to Be Used

- 1) Kelly Cock
- 2) Full opening valve on floor with DP connection for use when kelly is not in string
- 3) Pit volume indicator

7. Testing, Logging and Coring Program

A two (2) man mud logging will be in operation from base of surface casing to TD.

Testing: No DST's are anticipated

Coring: No coring is anticipated

Logging: GR-DLL, FDC-CNL-Caliper

Exact logging detail and procedures will be prepared prior to reaching logging depth.

8. Any Abnormal Pressures or Temperatures

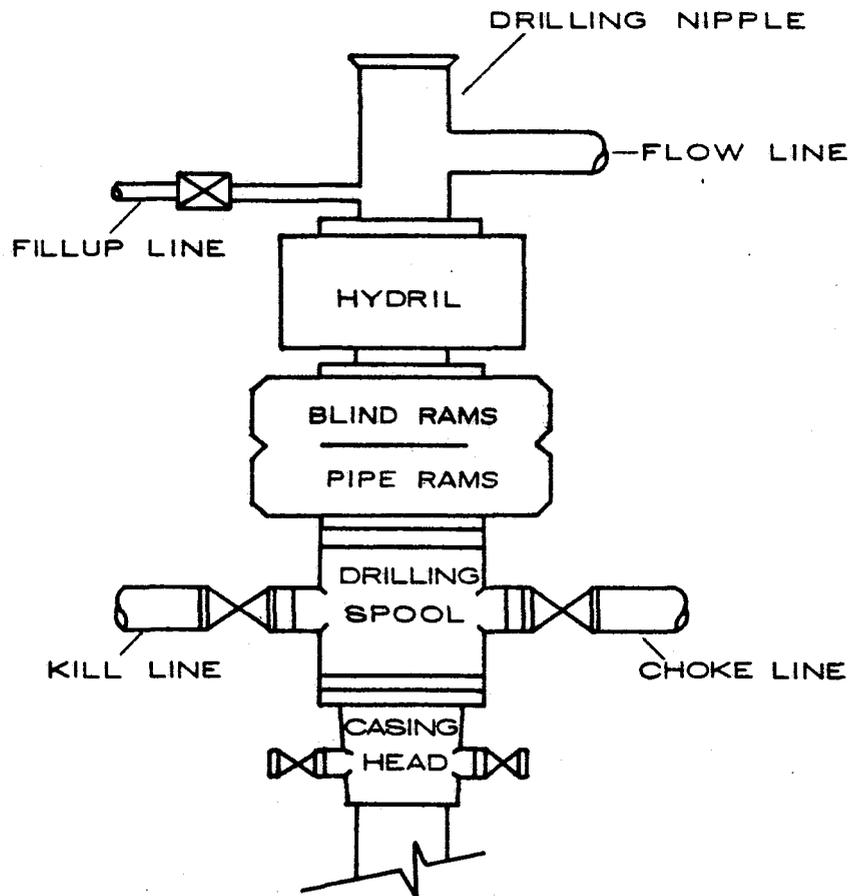
No abnormal pressures are anticipated nor is the area known for abnormal temperatures. The formations to be penetrated do not contain H<sub>2</sub>S gas. Maximum anticipated BHP is 2500 psi at total depth.

9. Anticipated Starting Date and Duration of Operations

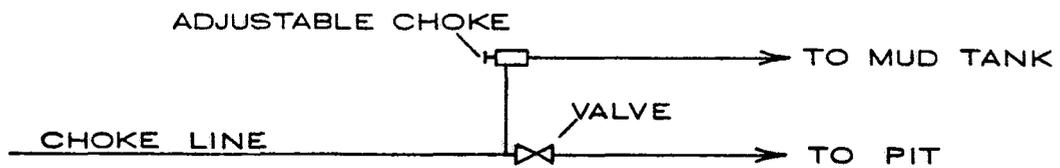
Starting Date: May 29, 1985

Duration: 14 days

BOP STACK



CHOKE MANIFOLD



Onshore Oil and Gas Order No. 1

Surface Use Plan

CNG Producing Company  
River Bend Unit  
RBU 4-22F  
Section 22-T10S-R20E  
891' FNL & 1164' FWL  
Uintah County, Utah

The operator or his contractor will contact the Vernal District BLM, Bookcliffs Resource Area, 48 hours prior to beginning any work on public lands.

The dirt contractor will be furnished with an approved copy of the surface use plan and any additional BLM stipulations prior to any work.

1. Existing Roads

- A. The proposed wellsite and elevation is shown on the plat, Exhibit "A". The location and existing roads are shown on Exhibit "E". There is no anticipated construction on any existing roads.
- B. The proposed wellsite is located in the River Bend Unit, approximately 10 miles SW of Ouray, Utah.

2. Access Roads To Be Constructed

No access road will be required. The location sufficiently intersects an existing road and does not impair drilling and production operations.

3. Location of Existing Wells

All existing wells known in the area are shown on Exhibit "E".

Wells within a one mile radius are listed below:

- A. Water wells: None
- B. Abandoned wells: None
- C. Temporarily abandoned wells: None
- D. Disposal wells: None
- E. Drilling wells: None
- F. Producing wells: RBU 11-15F, RBU 11-16F, RBU 16-16F,  
RBU 7-21F, RBU 7-22F
- G. Shut-in wells: None
- H. Injection wells: None
- I. Observation wells: None

4. Location of Tank Batteries and Production Facilities

- A. The location of existing and/or proposed facilities owned or controlled by the lessee/operator within a one mile radius are shown on Exhibit "E".
  - a. Tank batteries: None
  - b. Production facilities: At above producing wells
  - c. Oil gathering lines: None
  - d. Gas gathering lines: At above producing wells
  - e. Injection lines: None
  - f. Disposal lines: None
- B. It is contemplated that, in the event of production, all new facilities will be easily accommodated on the drill paid. The dimensions of the production facilities and their orientation is shown on Exhibit "F". Location of production facilities will be per Conditions of Approval for Notice to Drill.
- C. Concrete and gravel as needed will be purchased from private sources.
- D. Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and securely anchored at the meter. Oil and gas measurement facilities will be installed on the wellsite. Gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and quarterly thereafter. The Vernal BLM will be notified of the date and time of initial meter calibration and future meter proving schedules. Copies of meter calibration reports will be submitted to the Vernal BLM District office. All measurement facilities will conform with API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.
- E. All permanent structures constructed or installed, including pumpjacks, will be painted a flat, non-

reflective, earthtone color to match the standard environmental colors as determined by the Rocky Mountain 5 State Interagency Committee. Facilities required to comply with O.S.H.A. will be excluded.

- F. Pits will be fenced to minimize any hazard to sheep, cattle, antelope and other animals that graze the area. Flagging material will be used as needed if water or other fluid is produced.
- G. All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.

5. Location and Type of Water Supply

Water for drilling purposes will be hauled from the Green River permit #T5975049-1283 or from the OSC #1 water well permit #54801 (49-367).

6. Source of Construction Material

Road surfacing and pad construction material will be native soil consisting of sandy-clay, sandstone and shale gathered in actual construction of the road and location. Construction materials will be located on the lease. The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3 regulations.

7. Methods of Handling Waste Disposal

- A. Drill cuttings will be buried in the reserve pit when covered.
- B. All drilling fluids will be handled in the reserve pit. Location as determined in Conditions of Approval for Notice to Drill.
- C. Any fluids produced during testing will be collected in test tanks, water drained to the pit, and the oil saved.
- D. Sewage will be handled by portable chemical toilets.
- E. There will be no burning. Garbage and other waste material will be enclosed in a wire mesh container, and then disposed of in an approved waste disposal pit.
- F. After the rig moves out, all materials will be cleaned up and no adverse materials will be left on location. Any dangerous pit will be fenced or covered.

8. Ancilliary Facilities

No additional facilities not described herein are anticipated.

9. Wellsite Layout

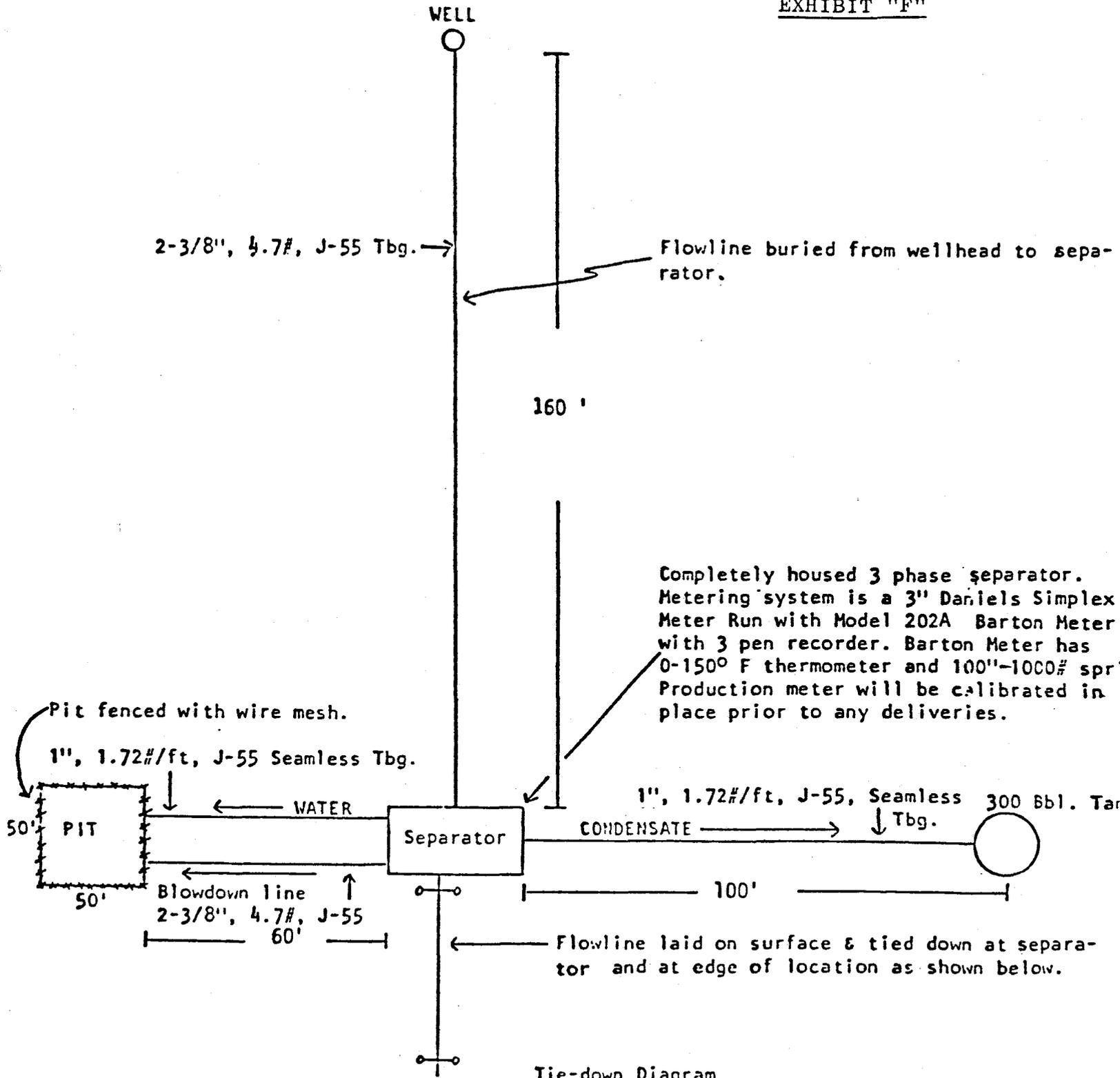
- A. Exhibit "G" is the wellsite layout at a scale of 1"=40'.
- B. The access to the well pad is shown on Exhibit "E".
- C. Stock piling of top soil will be per BLM Conditions of Approval for Notice to Drill.
- D. Reserve pits will be fenced with a wire mesh fence and topped with at least one strand of barbed wire.

10. Plans for Restoration of Surface

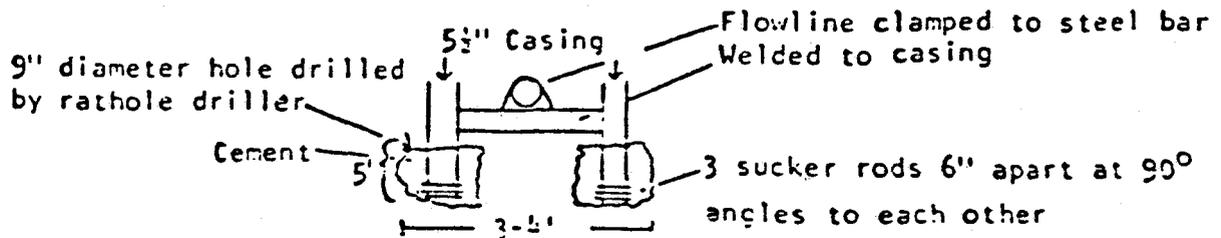
- A. Upon completion of drilling, the location and surrounding area will be cleared of all debris, material, trash and junk not required for production. All trash will be hauled to a local sanitary landfill.
- B. The operator or his contractor will contact the Vernal BLM, Bookcliffs Resource Area, 24 hours prior to starting rehabilitation work that involves earth moving equipment and upon completion of restoration measures.
- C. Before any dirt work to restore the location takes place, the reserve pit will be completely dried and all trash (cans, barrels, pipe, etc.) will be removed. The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed within a reasonable time period.
- D. All disturbed areas will be recontoured to the approximate natural contours.
- E. Prior to reseeding, the operator will consult with the Vernal BLM for an approved seeding mixture. Then all disturbed areas, including access roads, will be scarified and left with a rough surface.
- F. Seed will be broadcast or drilled at a time specified by the BLM. If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage.







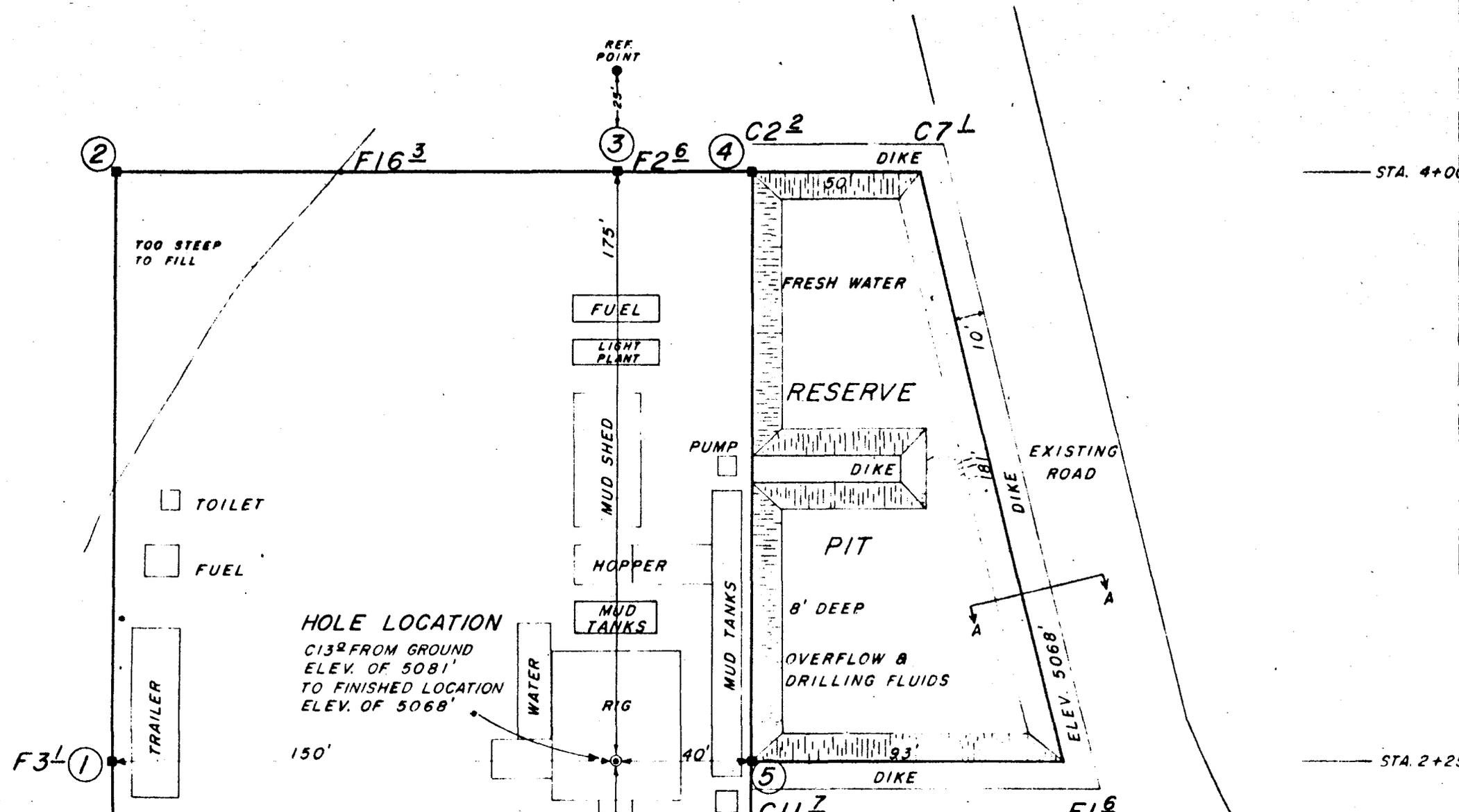
Tie-down Diagram

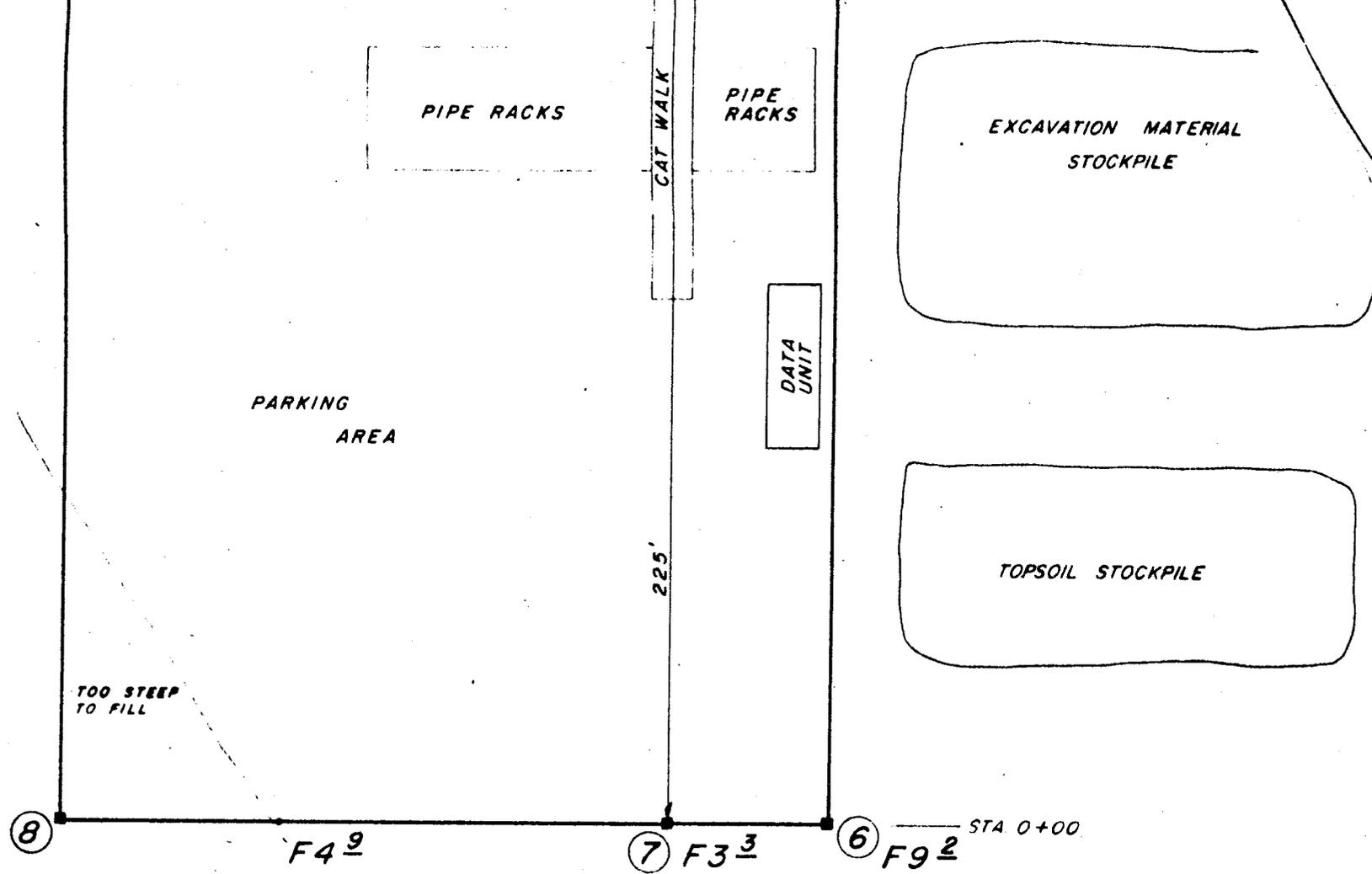


# CNG PRODUCTION

## WELL LAYOUT

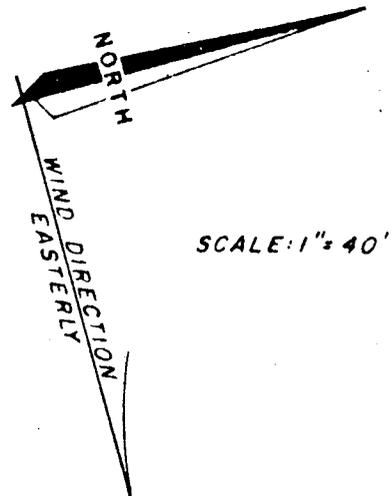
R.B.U. 4-22





Notes

THIS LOCATION IS SITUATED ON THE TOP OF A RIDGE OVERLOOKING WILLOW CREEK TO THE SOUTH. THE SOIL IS COMPOSED OF SHALE AND SANDSTONE.



SCALE: 1" = 40'

ING CO.  
PLAT  
PF

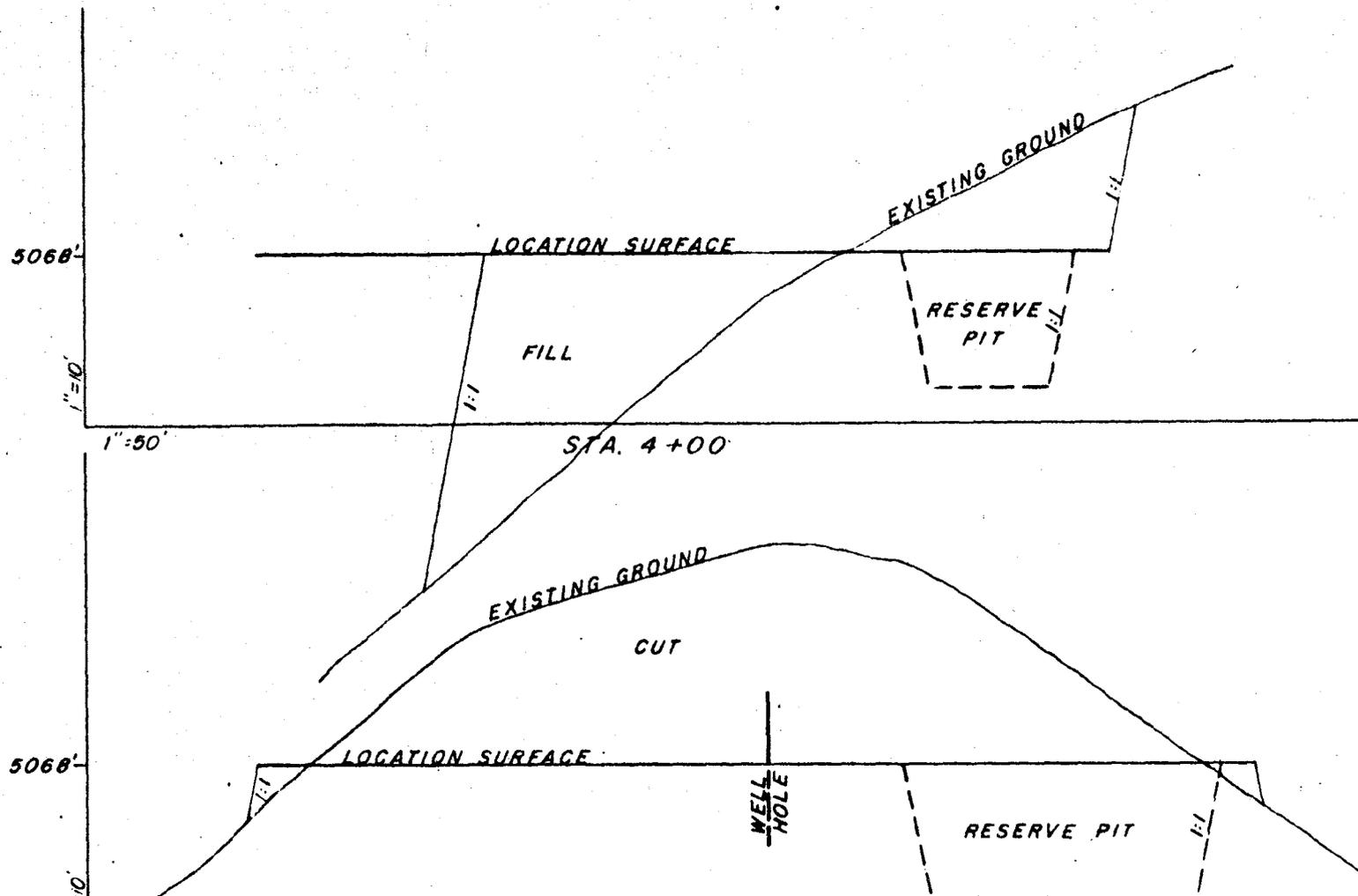
RECEIVED

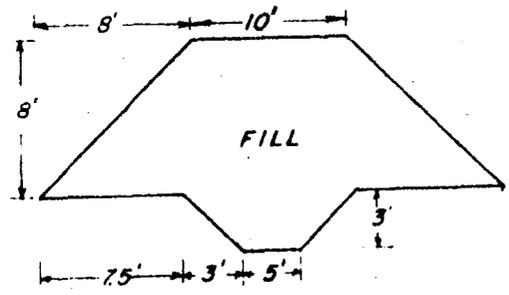
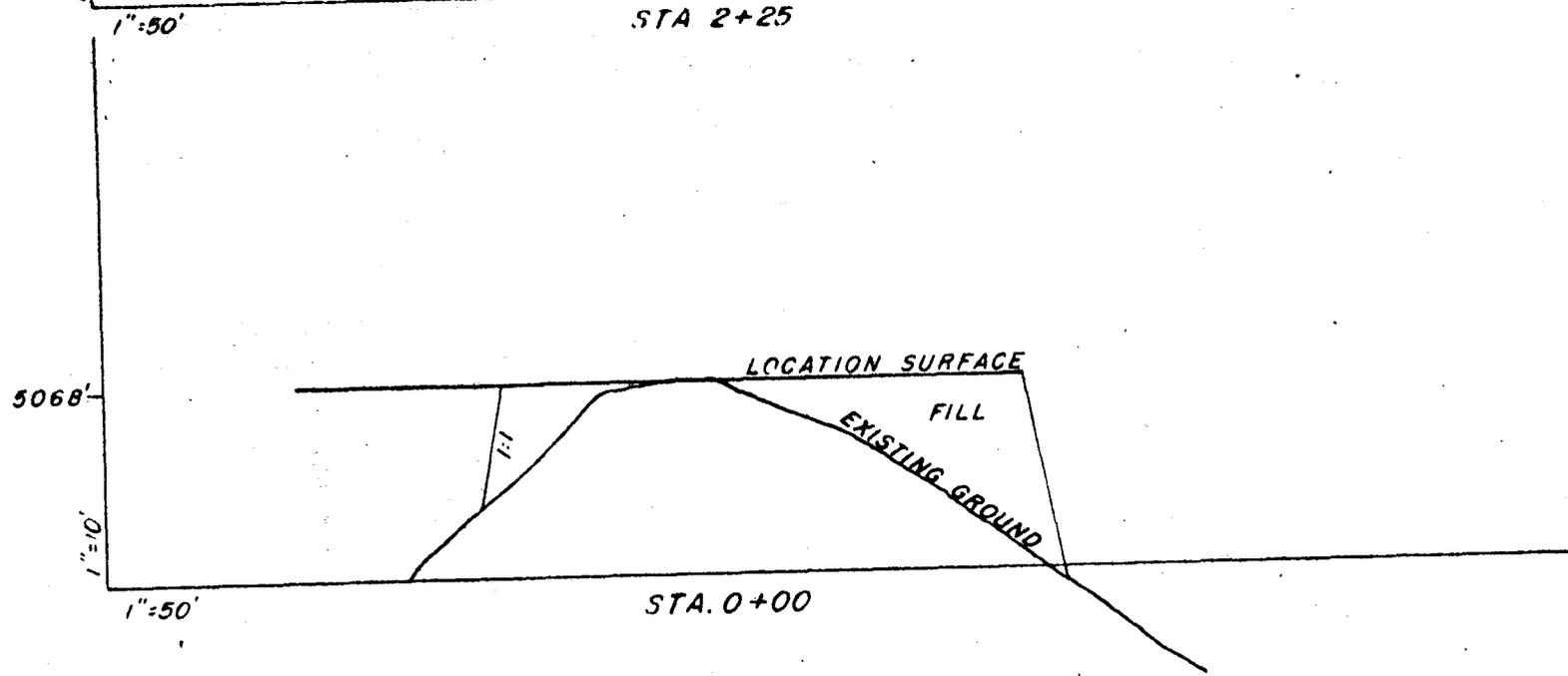
APR 15 1985

DIVISION OF OIL  
GAS & MINING

LOCATED IN THE NW $\frac{1}{4}$  OF THE NW $\frac{1}{4}$  OF  
SECTION 22, T10S, R20E, S.L.B.&M.

EXHIBIT "G"





KEYWAY A — A

APPROXIMATE QUANTITIES

CUT: 18,400 Cu. Yds.

FILL: 7,000 Cu. Yds.

	<b>JERRY D. ALLRED &amp; ASSOCIATES</b> Surveying & Engineering Consultants
	121 North Center Street P.O. Drawer C DUCHESNE, UTAH 84021 (801) 738-5352

OPERATOR GNG Producing Co. DATE 4-16-85

WELL NAME River Bend Unit # 4-22F

SEC NWNW22 T 10S R 20E COUNTY United

43-047-31615  
API NUMBER

Lease  
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

NEAREST WELL

LEASE

FIELD

POTASH OR OIL SHALE

PROCESSING COMMENTS:

Unit Well - & on P.O.D 1985

Water & # 49-367 (maps)

APPROVAL LETTER:

SPACING:

A-3

River Bend  
UNIT

c-3-a

CAUSE NO. & DATE

c-3-b

c-3-c

STIPULATIONS:

1- BOP - 3000 psi - 8 5/8" csg.

2- Oil Shale



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 22, 1985

CNG Producing Company  
Tulsa Division  
705 S. Elgin Avenue  
P. O. Box 2115  
Tulsa, Oklahoma 74101-2115

Gentlemen:

Re: Well No. River Bend Unit 4-22F - NW NW Sec. 22, T. 10S, R. 20E  
891' FNL, 1164' FWL - Uintah County, Utah

Approval to drill the above referenced gas well is hereby granted in accordance with Section 40-6-18, Utah Code Annotated, as amended 1983; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure, subject to the following stipulations:

1. Blowout prevention equipment with a minimum of 3000 psi working pressure should be used after drilling out of 8 5/8" casing.
2. Special attention is directed to compliance with the Order for Cause No. 190-5 dated January 27, 1983, which prescribes drilling procedures for oil shale designated areas.

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.

Page 2  
CNG Producing Company  
Well No. River Bend Unit 4-22F  
April 22, 1985

4. 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 43-047-31615.

Sincerely,



R. J. Firth  
Associate Director, Oil & Gas

as  
Enclosures  
cc: Branch of Fluid Minerals

## DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

API #43-047-31615

NAME OF COMPANY: CNG PRODUCING COMPANYWELL NAME: RIVER BEND UNIT 4-22ESECTION NW NW 22 TOWNSHIP 10S RANGE 20E COUNTY UintahDRILLING CONTRACTOR Ram Drilling

RIG # \_\_\_\_\_

SPUDDED: DATE 7-3-85TIME 3:30 PMHow Dry Hole SpudderDRILLING WILL COMMENCE Within 10 daysREPORTED BY ShirleyTELEPHONE # 722-4521DATE 7-3-85 SIGNED JRB

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

BC

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.  
U-0143521-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
River Bend

8. FARM OR LEASE NAME  
RBU

9. WELL NO.  
4-22F

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
NW/NW  
Sec 22-T10S-R.20E

12. COUNTY OR PARISH  
Uintah

13. STATE  
Utah

RECEIVED  
JUL 08 1985

1a. TYPE OF WORK  
DRILL  DEEPEN  PLUG BACK

b. TYPE OF WELL  
OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
CNG Producing Company DIVISION OF OIL

3. ADDRESS OF OPERATOR  
705 S. Elgin Ave., P. O. Box 2115, Tulsa, Oklahoma 74101-2115

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface 891' FNL & 1164' FWL  
At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
10 miles SW of Ouray

16. NO. OF ACRES IN LEASE  
160

17. NO. OF ACRES ASSIGNED TO THIS WELL  
160

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
None

19. PROPOSED DEPTH  
±6300'

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, BT, GR, etc.)  
5081 GR

22. APPROX. DATE WORK WILL START\*  
May 29, 1985

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Exhibits Attached

- "A" Plat
- "B" Drilling Plan
- "C" Blow Out Preventor Equipment
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- "E" Access Roads
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24. SIGNED Murray C. Bechtel TITLE Senior Engineering Technician DATE 4-11-85

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY Donald A. Fogles TITLE Act. Dist. Manager DATE 7/3/85

CONDITIONS OF APPROVAL, IF ANY:  
**NOTICE OF APPROVAL**  
Oil & Mining

CONDITIONS OF APPROVAL ATTACHED

\*See Instructions On Reverse Side



United States Department of the Interior  
 BUREAU OF INDIAN AFFAIRS  
 UINTAH AND OURAY AGENCY

Fort Duchesne, Utah 81026  
 (801) 722-2406 Ext. 33, 34

IN REPLY REFER TO:

Real Property Management  
 Ten. and Mgmt.

JUN 27 1985

MEMORANDUM

TO: District Manager, Bureau of Land Management

*Acting*

FROM: Superintendent, Uintah and Ouray Agency

SUBJECT: CNG Production Company, Well RBU 8-16F, & 4-22F  
 in the SE $\frac{1}{4}$ NE $\frac{1}{4}$ , Sec. 16; and NW $\frac{1}{4}$ NW $\frac{1}{4}$ , Sec. 22, T10S, R20E, SIM, UT.

We (concur with or, recommend) approval of the Application for Permit to Drill subject well.

Based on available information on June 27, 1985, we have cleared the proposed location in the following areas of environmental impact.

YES	<u>X</u>	NO	<u>      </u>	Listed threatened or endangered species.
YES	<u>X</u>	NO	<u>      </u>	Critical wildlife habitat.
YES	<u>X</u>	NO	<u>      </u>	Archaeological or cultural resources.
YES	<u>      </u>	NO	<u>      </u>	Air quality aspects (to be used only if project is in or adjacent to a Class I area of attainment)
YES	<u>      </u>	NO	<u>      </u>	Other (if necessary)

REMARKS: Access moved to the East in SE $\frac{1}{4}$ NE $\frac{1}{4}$ , Sec. 16, and line pits with 4 mill plastic.

The necessary surface protection and rehabilitation requirements are as per approved APD.

*R. J. [Signature]*

DIVISION/AREA	INITIAL	ASSIGNED
REC'D		
JUN 28 1985		
BUREAU OF LAND MANAGEMENT, UTAH		
All Employees		

RECEIVED

JUL 08 1985

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL  
WITHIN THE UINTAH OURAY RESERVATION

DIVISION OF OIL  
GAS & MINING  
4-22F

Company CNG Producing Co. Well No. \_\_\_\_\_  
Location Sec. 22 T10S R20E Lease No. U-0143521-A  
Onsite Inspection Date 05-30-85

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

A. DRILLING PROGRAM

1. Estimated Depth of Anticipated Water, Oil, Gas, or Minerals

All fresh water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

2. Pressure Control Equipment

Prior to drilling out the surface casing shoe, the ram-type preventers and the annular-type preventers shall be tested to a minimum of 1500 psi. Preventers will be minimum 3000 psi working pressure.

The choke manifold indicated is not satisfactory. Choke manifold systems shall be in accordance with API RP 53 Section 3-A for 3000 psi working pressure systems.

BOP and choke manifold systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location during pressure testing.

3. Casing Program and Auxiliary Equipment

The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.

4. Mud Program and Circulating Medium

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion reports shall be submitted to this office on a weekly basis.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the authorized officer (AO).

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The spud date will be reported orally to the AO within 48 hours after spudding. If the spudding occurs on a weekend or holiday, the report will be submitted on the following regular work day. The oral report will be followed up with a Sundry Notice.

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6 "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed, in duplicate, to the Vernal BLM District Office, 170 South 500 East, Vernal, Utah 84078.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than 5 days following the date on which the well is placed on production.

Pursuant to NTL-2B, with the approval of a District Engineer, produced water may be temporarily disposed of into unlined pits for a period of up to 90 days. During the period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, must be submitted to the District Engineer.

Pursuant to NTL-4A, lessees or operators are authorized to vent/flare gas during initial well evaluation tests, not exceeding a period of 30 days or the production of 50 MMCF of gas, whichever occurs first. An application must be filed with the District Engineer and approval received, for any venting/flaring of gas beyond the initial 30 day or authorized test period.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in 43 CFR 3162.7 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

A first production conference will be scheduled within 15 days after receipt of the first production notice.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

Pursuant to Onshore Oil and Gas Order No. 1, lessees and operators have the responsibility to see that their exploration, development, production, and construction operations are conducted in a manner which conforms with applicable Federal laws and regulations and with State and local laws and regulations to the extent that such State and local laws are applicable to operations on Federal or Indian lands.

B. THIRTEEN POINT SURFACE USE PLAN

1. Planned Access Roads

A short new access road of about 150 foot length will be needed to reach the existing road.

All travel will be confined to existing access road rights-of-way.

If the surface rights are owned by the Ute Indian Tribe and mineral rights are owned by another entity, approved rights-of-way will be obtained from the BIA before the operator begins any construction activities. If the surface is owned by another entity and the mineral rights are owned by the Ute Indian Tribe, rights-of-way will be obtained from the other entity.

2. Location of Tank Batteries and Production Facilities

All facilities that need to be painted should be painted within 6 months of installation.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

3. If fill materials are needed to construct roads and well sites, proper permits will be obtained. A copy of the permit needed to obtain water will be attached to the application if water is to be used for the drilling. Information for permits will include: (a) the approximate amount of water or materials needed, (b) location and ownership of the water rights or materials to be used, and (c) the approximate amount of time the water or materials will be required.

4. Methods of Handling Waste Disposal

Produced waste water will be confined to a lined pit for a period not to exceed 90 days after initial production. During the 90 day period, an application for approval of a permanent disposal method and location, along with required water analysis, will be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance, and will be grounds for issuing a shut-in order.

5. Well Site Layout

The reserve pit will be located as indicated on the layout diagram

The stockpiled topsoil will be stored as indicated. The excavation material stockpile will be relocated to the west side of the pad.

Access to the well pad will enter the pad between stakes 5 and 6 at the northeast side of the pad. About 150 feet of new access road will be needed.

Operator's employees, including subcontractors, will not gather firewood along roads constructed by operators. If wood cutting is required, a permit will be obtained from the Forestry Department of the BIA pursuant to 25 CFR 169.13 "Assessed Damages Incident to Right-of-Way Authorization". All operators, subcontractors, vendors and their employees or agents may not disturb saleable timber (including firewood) without a duly granted wood permit from the BIA Forester.

#### 6. Plans for Restoration of Surface

The stockpiled topsoil will be evenly distributed over the disturbed areas.

Prior to reseeding, all disturbed areas, including the access roads, will be scarified and left with a rough surface.

Seed will be broadcast or drilled at a time specified by the BIA. If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage.

Abandoned well sites, roads, or other disturbed areas will be restored to near their original condition. This procedure will include: (a) reestablishing irrigation systems where applicable, (b) reestablishing soil conditions in irrigated fields in such a way as to insure cultivation and harvesting of crops, and (c) insuring revegetation of the disturbed areas to the specifications of the Ute Indian Tribe or the BIA at the time of abandonment.

The operator will submit a plan of controlling noxious weeds along rights-of-way for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds can be obtained from the appropriate county extension office.

#### 7. Other Information

There will be no deviation from the proposed drilling and/or work-over program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.2.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3164.



# CNG PRODUCING COMPANY

P.O. BOX 1360, ROOSEVELT, UTAH 84066, (801) 722-4521

*file*

Bureau of Land Management  
Minerals Management Service  
170 S. 500 E.  
Vernal, Utah 84078

July 9, 1985

This is to inform you that the RBU 4-22F, lease # U-0143521-A,  
located in the NW 1/4 of the NW 1/4 of Section 22, T 10 S, R 20 E,  
Uintah County, Utah, was spudded 7-3-85 at 3:30 <sup>PM</sup>  
by Ram Drilling (dry hole driller).

They drilled 388 feet of 12-1/4 inch hole then ran 9 joints of  
8-5/8" inch 24 #, K-55 casing with 3 centralizers, float  
collar or insert float at 332', and shoe at 374'.

Cemented by B.J. Titan using 190 sacks of class/type "G"  
cement with 1/4# per sack cello flake  
Yield 1.14, weight 15.9, 47 bbls slurry. Cement to surface  
(~~yes~~/no). Cement to 75' originally. Ran in hole with 2 joints 1" pipe. Cemented  
with B.J. Titan to surface with 40 sacks Class "G" cement.

Sincerely,

*Mitchell Hall*

FOR Darwin Kulland  
District Superintendent

DK/sf

cc: JDH

State of Utah  
Division of Oil, Gas & Mining  
355 W. North Temple  
3 Triad Center - Suite 350  
Salt Lake City, Utah 84180-1203

RECEIVED

JUL 11 1985

DIVISION OF OIL  
GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

**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  
CNG Producing Company

3. ADDRESS OF OPERATOR  
705 S. Elgin Ave., P.O. Box 2115, Tulsa, OK 74101-2115

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below)  
At surface  
891' FNL & 1164' FWL

14. PERMIT NO.  
43-047-31615

15. ELEVATIONS (Show whether DF, RT, CR, etc.)  
5081 GR

5. LEASE DESIGNATION AND SERIAL NO.  
U-0143521-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
River Bend

8. FARM OR LEASE NAME  
RBU

9. WELL NO.  
4-22F

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., W., OR BLK. AND SURVEY OR AREA  
Sec. 22-T10S-R20E

12. COUNTY OR PARISH  
Uintah

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"/>	PCLL 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 PLANE <input type="checkbox"/>	(Other) <u>Operations Report</u> <input checked="" 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.)\*

Operations Report for the Month of July 1985.

Drilled to a total depth of 6250' and ran production casing on 7-23-85.

RECEIVED

SEP 23 1985

DIVISION OF OIL  
GAS & MINING

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

SIGNED Margy C. Bechtel TITLE Sr. Engr. Tech. DATE 9-19-85

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-0143521A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

River Bend

8. FARM OR LEASE NAME

RBU

9. WELL NO.

4-22F

10. FIELD AND POOL, OR WILDCAT

Natural Buttes

11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 22-T10S-R20E

12. COUNTY OR PARISH

Utah

13. STATE

Utah

WELL COMPLETION OR RECOMPLETION REPORT AND LOGS

RECEIVED

SEP 27 1985

DIVISION OF OIL  
GAS & MINING

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

CNG Producing Company

3. ADDRESS OF OPERATOR

705 S. Elgin Ave., P.O. Box 2115, Tulsa, OK 74101-2115

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface 891' FNL & 1164' FWL

NW NW

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO.

43-047-31615

DATE ISSUED

4-22-85

15. DATE SPUDDED

7-4-85

16. DATE T.D. REACHED

7-23-85

17. DATE COMPL. (Ready to prod.)

9-14-85

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

5081 GR 5092 KB

19. ELEV. CASINGHEAD

N/A

20. TOTAL DEPTH, MD & TVD

6250'

21. PLUG, BACK T.D., MD & TVD

6190'

22. IF MULTIPLE COMPL. HOW MANY\*

---

23. INTERVALS DRILLED BY

Surface to TD

ROTARY TOOLS

CABLE TOOLS

24. PRODUCING INTERVAL(S) OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

Wasatch  
Chapita Wells 5872'-5880', 5606'-5626'

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

DLL/GR - CDL/CNS - Laser Log

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
8-5/8"	24#	374'	12-1/4"	cmt to surf w/ 230 sx	
5-1/2"	17#	6228'	7-7/8"	cmt w/ 833 sx	

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	5844'	5683'

31. PERFORATION RECORD (Interval, size and number)

See Attachment

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	See Attachment

33.\* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
9-13-85	Flowing	SI-WOPL					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO
9-14-85	24	12/64	→	0	1896	0	N/A
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)	
570	1650	→	0	1896	0	N/A	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Flared

TEST WITNESSED BY

J. Sweat

35. LIST OF ATTACHMENTS

Perforation and Stimulation Report

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

SIGNED

*Bryce C. Beckett*

TITLE Sr. Engineering Technician

DATE 9-25-85

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

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.

38. GEOLOGIC MARKERS

NAME	MEAS. DEPTH	TOP VERT. DEPTH
Wasatch Tge	3904'	+1188
Green River Tge	4334'	+ 758
Wasatch	4474'	+ 618
Chapita Wells	5130'	- 38
Utteland Buttes	6134'	-1042

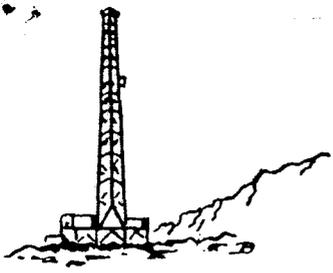
CNG PRODUCING COMPANY

PERFORATION AND STIMULATION REPORT  
RBU 4-22F

<u>Perforation Record</u>			<u>Acid, Shot, Fracture, Cement Squeeze, Etc.</u>
<u>Zone and Depth</u>	<u>Size</u>	<u>No.</u>	<u>Amount and Kind of Material Use</u>
Chapita Wells 5872'-5880'	0.50	18	Frac with 23,833 gal. 67/75 quality N <sub>2</sub> foam and 43,230 lbs. 16/30 sand.
Chapita Wells 5606'-5626'	0.50	22	Frac with 31,060 gal. 67/75 quality N <sub>2</sub> foam and 79,500 lbs. 16/30 sand.

NOTE: Packer set @ 5683'  
 Flow tested 487 MCFD, 12/64 choke, 570 psi from perforations 5872'-80' up tubing. Flow tested 1409 MCFD, 12/64 choke, 1650 psi from perforations 5606'-26' up casing annulus.

P



L. D. "Vern" HUNTER  
Consulting Geologist

TELEPHONE  
(406) 656-5197  
2903 PARKHILL DRIVE  
BILLINGS, MONTANA, 59102

RECEIVED  
DEC 10 1985  
DIVISION OF OIL  
GAS & MINING

CNG PRODUCING COMPANY

RBU No. 4-22F

NW NW Section 22, T. 10 S., R. 20 E.

UINTAH COUNTY, UTAH

Prepared For: CNG Producing Company  
By: L. D. 'Vern' Hunter  
Consulting Geologist  
Billings, Montana

OPERATOR: CNG Producing Company

WELL: RBU No. 4-22F

LOCATION: NW $\frac{1}{4}$  NW $\frac{1}{4}$  Section 22, T. 10 S., R. 20 E.  
891' FNL & 1,164' FWL  
Uintah County, Utah

TOPOG REFERENCE: Big Pack Mtn., NW

ELEVATIONS: 5,081' Grd.; 5,092' KB

SPUD DATE: July 14, 1985 (8:15 a.m.)

SURFACE CASING: 8-5/8" 24#, K-55 set at 374' & cemented w/ 190 sx Class G

HOLE SIZE: 12-1/4" to 388'  
7-7/8" from 374' to TD

TD AND DATE: 6,250' drlr; July 22, 1985 (2:45 a.m.)  
6,253.85' SLM  
6,246' lgr

CORES: None

LOST CIRCULATION: None of significance; some seepage noted after bringing mud weight to 9.5+ to control water & gas flow

FRACTURE ZONES: None reported

OIL ON PITS: None reported

WATER FLOWS: Approximately 2,800' (D sandstone)

SAMPLES: 30' samples from under surface to 4,000'  
10' samples from 4,000' to TD

DRILL STEM TESTS: None

ELECTRIC LOGS:

Gearhart

Engineer: Mr. Patterson

Dual Laterolog/GR/Caliper from 6,224' to 350'

Compensated Density/Neutron from 6,244' to 1,998'

SAMPLE AND/OR PENETRATION RATE TOPS:

<u>Formation</u>	<u>Depth</u>	<u>Datum</u>
D Sandstone	2,852'	+2,240
Lower Green River Oil Shale	3,784'	+1,308
Brown Zone	3,898'	+1,194
Wasatch Tongue	4,005'	+1,087
Green River Tongue	4,344'	+ 748
Wasatch	4,474' ?	+ 618
Chapita Wells	5,131' ?	- 39

LOG TOPS:

<u>Formation</u>	<u>Depth</u>	<u>Datum</u>
Green River	1,178'	+3,914
X-Marker	1,860'	+3,232
A Zone	2,380'	+2,712
A+	-----	-----
B Zone	2,652'	+2,440
Purple Marker	2,708'	+2,384
C Zone	2,742'	+2,350
D Sandstone	2,846'	+2,246
E Zone	2,966'	+2,126
F Zone	3,038'	+2,054
G Zone	3,082'	+2,010
G+	-----	-----
H Zone	3,226'	+1,866
I Zone	3,350'	+1,742
J Zone	3,436'	+1,656
K Zone	3,595'	+1,497
Lower Green River Oil Shale	3,784'	+1,308
Brown Zone	3,896'	+1,196
Wasatch Tongue	3,994'	+1,098
2	4,044'	+1,048
3	4,102'	+ 990
Green River Tongue	4,334'	+ 758
Wasatch	4,474'	+ 618
Chapita Wells	5,130'	- 38
Uteland Buttes	6,134'	-1,042
TD	6,246'	-1,154



CHRONOLOGICAL HISTORY

<u>DATE</u>	<u>PTD</u>	<u>ACTIVITY</u>	<u>FOOTAGE</u>
	8:00 a.m.		
July 14, 1985	248'	Drilling cement (tagged at 135')	
15	1,196'	Drilling	822'
16	2,350'	Drilling	1,154'
17	3,351'	Drilling	1,001'
18	4,250'	Drilling	899'
19	4,850'	Drilling	600'
20	5,296'	Drilling	446'
21	5,828'	Drilling	532'
22	6,250'	Trip for logs	422'

DEVIATIONS

<u>DATE</u>	<u>DEPTH</u>	<u>AMOUNT</u>
July 15, 1985	890'	0°
16	1,409'	1-3/4°
	1,501'	1-1/4°
17	2,325'	1-1/4°
	2,921'	1-1/4°
18	3,370'	1-3/4°
19	4,482'	2°
22	6,250'	1-1/2°

MUD CHECKS

<u>DATE</u>	<u>DEPTH</u>	<u>WT.</u>	<u>VIS.</u>	<u>TYPE</u>	<u>WL</u>	<u>KCl</u>	<u>Ph.</u>	<u>SOLIDS</u>	<u>LCM</u>	<u>CHLORIDES</u>
July 14, 1985	405'	-		Water	-	-	-	-	-	-
15	1,234'	8.3	27	Water	-	-	12.0	-	-	16,000
16	2,350'	8.5	27	Water	-	-	12.0	-	-	33,000
17	3,413'	8.4	27	Water	-	-	11.5	-	-	21,000
18	4,250'	8.6	27	Water	-	-	9.5	-	-	34,000
19	4,850'	8.7	27	KCl water	-	2%	9.0	-	-	78,000
20	5,296'	9.5	29	Brine/KCl wtr	-	1%	9.5	-	-	115,000
21	5,828'	9.4	27	KCl wtr	-	1½%	11.0	-	-	109,000
22	6,250'	9.3	30	KCl/Poly	8.8	3½%	10.0	TR	-	114,000

BIT RECORDS

<u>NO.</u>	<u>SIZE</u>	<u>CO.</u>	<u>TYPE</u>	<u>OUT</u>	<u>FOOTAGE</u>	<u>HOURS</u>	<u>AVE. FT/HR</u>
1	7-7/8"	Smith	F-4	4,482'	4,108'	95	43.2
2	7-7/8"	Smith	F-3	6,250'	1,768'	72	24.6

REPORT FOR SHOWS & DRILLING BREAKS

DATE	SHOW &/or BREAK #'s	DEPTH	DRLG. RATE BEFORE BREAK	DRLG. RATE FOR BREAK	DRLG. RATE AFTER BREAK	TOTAL GAS			MUD LOGGER SAMPLE DESCRIPTION	
						BEFORE-	DURING-	AFTER-		
						BEFORE-	DURING-	AFTER-		
July 15	1	658- 666	1	.5	1	0-	0-	0	Ls	
	2	997-1010	1	.7	1	0-	40-	0	Oil sh	
	-	1196	-	-	-	BG-0; Conn-20				
16	3	1278-1284	1.5	.4	1.5	5-	2500-	50	Oil sh	
	4	1418-1460	1	.2	1.5	5-	400-	10	Ls/sh	
	5	1510-1514	1.5	.6	1.5	5-	700-	5	Oil sh	
	6	1902-1910	1	.5	1	10-	400-	50	Ss	
	7	2290-2296	1	.5	1	100-	100-	100	Ss	
	-	2350	-	-	-	BG-200; Conn-500				
	8	2380-2400	1	.5	1	200-	1500-	250	Ss	
17	9	2557-2561	1.5	.7	1.5	250-	400-	250	Ss	
	10	2710-2724	1.5	.9	1.5	250-	1000-	250	Ss/l s	
	11	2852-2888	1.5	.5	1.5	500-	600-	500	Ss	
	12	2902-2907	1.5	.5	1.5	500-	800-	600	Ss	
	13	2918-2928	1.5	.6	1.5	500-	1500-	700	Ls	
	14	2988-3004	1.5	.4	1.5	500-	500-	500	Ss	
	15	3214-3220	1.5	.8	2	500-	2000-	1500	Ss	
	16	3231-3258	1.5	.4	1.5	1500-	2500-	2000	Ss	
	17	3263-3291	1.5	.4	2	2000-	4500-	4000	Ss	
	-	3351	-	-	-	BG-2500-3000; Conn-4500				
18	18	3315-3398	2.5	.4	2	2500-	3000-	2500	Ss	
	19	3800-3818	1	.8	1.5	1500-	2000-	1500	Oil sh	
	20	3900-3929	1.5	.5	1.5	1200-	5000-	2000	Ls	
	21	4086-4094	2.5	.7	2	2000-	2200-	2000	Ss	
	-	4250	-	-	-	BG-2500; Conn-3000				
	22	4348-4358	1.5	.8	1.5	2500-	4200-	3000	Ls	
19	-	4850	-	-	-	BG-4000; Conn-5000; TG-5500				
	23	5002-5010	2	1	2	4800-	5500-	4800	Ss	
	-	5296	-	-	-	BG-50; Conn-100				
20	24	5440-5450	2.5	1.5	2.5	25-	60-	30	Ss	
	25	5610-5635	2.5	.8	2.5	25-	600-	50	Ss	
	-	5828	-	-	-	BG-25; Conn-50				
21	26	5860-5888	2.5	2	2.5	25-	1500-	25	Ss	
	-	6250	-	-	-	BG-10; Conn-20				

SAMPLE DESCRIPTIONS

<u>BREAK #</u>	<u>DEPTH</u>	<u>LITHOLOGY</u>
1	658- 666	Ls, tan, buff, dol'c, hd, ti, <u>dull gold SF, no CF</u>
2	997-1,010	Sh, med brn to gry-brn, dol'c, <u>dull gold SF, fnt bluish-yell CF</u>
3	1,278-1,284	Sh, med to dk brn, dol'c, firm, tr clear calcite xtals, <u>no SF, yell milky CF</u>
4	1,418-1,460	Sh/ls aa
5	1,510-1,514	Sh, med to dk brn, dol'c, firm, tr clear calcite, <u>fnt dull gold SF, bluish-yell CF, med brn ring</u>
6	1,902-1,910	Sh aa w/ ss, med gry, to tan, xf-vf, calc, ti to tr por, <u>blk oil blebs to uniform tan OS, dull gold SF, milky CF</u>
7	2,290-2,296	Sh, med gry, dol'c, firm, pyr
8	2,380-2,400	Ss, wht, f, calc, ang to sa, mostly free drlg, <u>spty brn to blk OS, yell milky CF, v fnt tan ring</u>
9	2,557-2,561	Sh, med gry to med brn, dol'c, firm w/ tr ls, crm, chalky, ti, <u>dull gold SF, blu-yell milky CF</u>
10	2,710-2,724	Ss, lt gry, xf-vf, ang to sa, calc, clay-fill, ti, osts, <u>no SF, yell milky CF</u>
	<u>SAMPLE TOP:</u>	D SANDSTONE 2,852'
11	2,852-2,888	Ss, wht to lt gry, vf, calc, ang to sa, ti to tr por, tr pyr, <u>spkld blk oil stn, dull gold SF, immed yell CF, fair dk brn ring</u>
12	2,902-2,907	Ssaa, <u>no blk oil specks, dull gold SF, bluish-yell CF</u>
13	2,918-2,928	Aa w/ ls, crm, lith, chalky, ti, <u>yell min fl, wk milky yell CF</u>
14	2,988-3,004	Ss, wht, lt gry, vf-f, ang to sa, calc, ti, tr dk mins, NS
15	3,214-3,220	VPS, mostly cave; sh, gry-grn, tan, dol'c, firm
16	3,231-3,258	VPS, much cave; ss, lt gry to tan, vf-f, ang to sa, calc, pyr, ti, tr ost & forams, <u>uniform tan OS to NS, yell-gold SF, blu-yell strmg cut and milky CF</u>
17	3,263-3,291	Ss aa w/ <u>blk oil thru flow line</u>
18	3,356-3,398	Ss, wht, f, ang to sa, calc, ti, <u>occais specks blk oil, no to tr SF, slow blu-yell milky cut and CF</u>

<u>BREAK #</u>	<u>DEPTH</u>	<u>LITHOLOGY</u>
	<u>SAMPLE TOP:</u>	LOWER GREEN RIVER OIL SHALE 3,784'
19	3,800-3,818	Sh, dk brn, dol'c to calc, firm, <u>dull gold SF</u> , <u>wk blu-yell CF</u>
	<u>SAMPLE TOP:</u>	BROWN ZONE 3,898'
20	3,900-3,929	Ls, tan, x fn xtl'n, dol'c, ti to tr por w/ tr pinpt vugs and calcite, abd osts, <u>gold min fl</u> , <u>no cut or CF</u>
	<u>SAMPLE TOP:</u>	WASATCH TONGUE 4,005'
21	4,086-4,094	Ss, wht, f to m, ang to sa, calc, free drlg, tr blk min, NS
	<u>SAMPLE TOP:</u>	GREEN RIVER TONGUE 4,344'
22	4,348-4,358	Ls, tan to med brn, lith, ti, <u>yell SF</u> , <u>blu-yell CF</u>
	<u>SAMPLE TOP:</u>	WASATCH 4,474'
23	5,002-5,010	Ss, wht, vf-f, ang to sa, pk-grn-blk grns, calc, ti, clay-filled, free drlg in pt, NS
	<u>SAMPLE TOP:</u>	CHAPITA WELLS 5,131'
24	5,440-5,450	Ss aa; dirty spl, abd rd-brn clay
25	5,610-5,635	Ss, wht, vf-f, ang to sa, pk-grn-blk grns, calc, mostly free drlg, ti, NS
26	5,860-5,888	Ss aa; dirty spl w/ sh, gry-grn, calc, firm

GNG PRODUCING COMPANY  
RBU No. 4-22E  
NW NW 22-103-20E  
Uintah Co., Utah

BIT 1 (F-4)

1000

2000

3000

4000

BIT 2 (F-3)

5000

6000

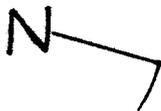
TD 6250

7/15

20

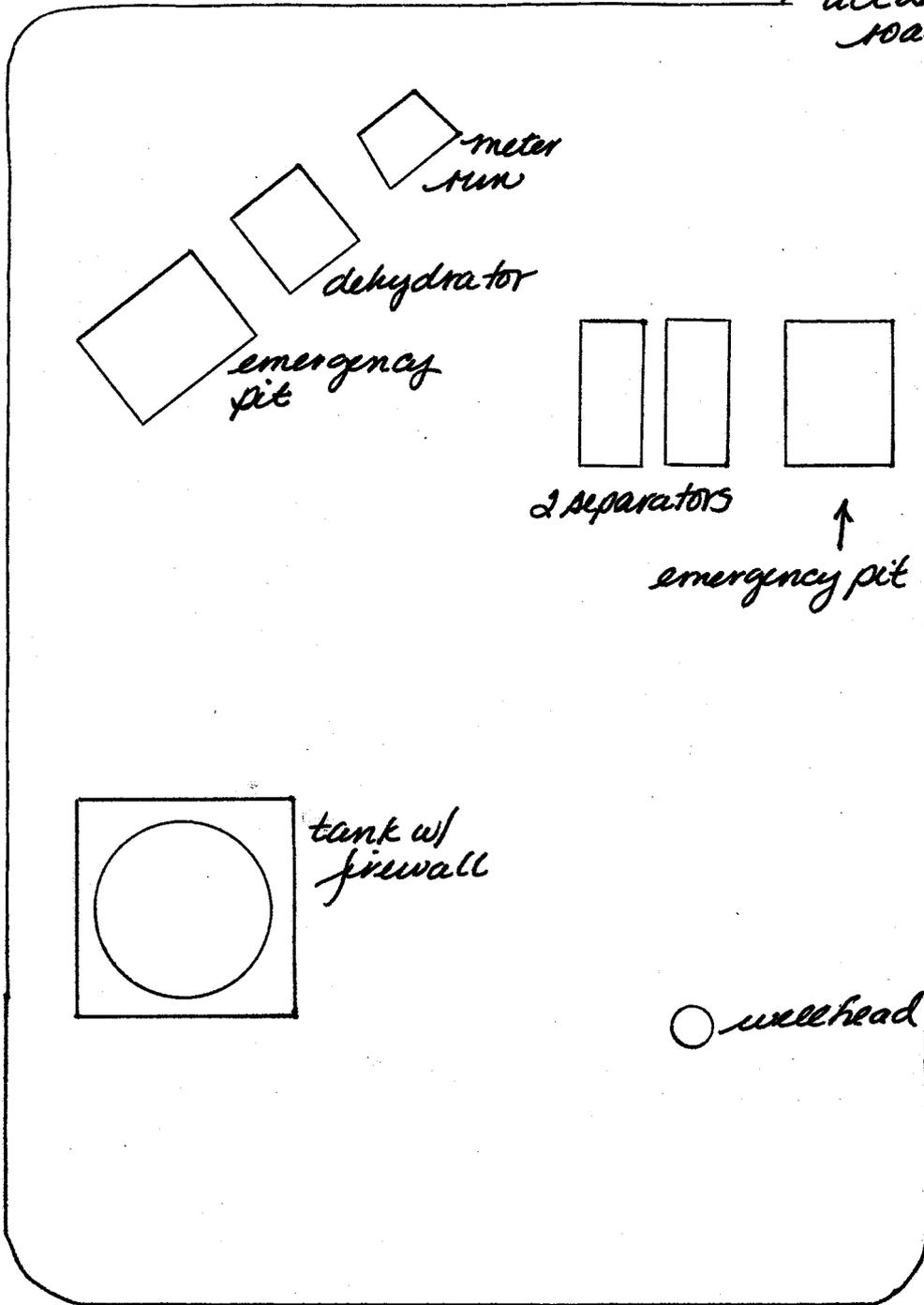
46 0782

K&E 10 X 10 TO THE INCH • 7 X 10 INCHES  
KEUFFEL & ESSER CO. MADE IN U.S.A.



main road

access road



42-381 50 SHEETS 5 SQUARE  
42-382 100 SHEETS 5 SQUARE  
42-389 200 SHEETS 5 SQUARE  
MADE IN U.S.A.



DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

6. Use Designation and Serial Number

U-0143521-A

7. Indian Allotment or Tribe Name

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new well, deepen existing wells, or to reenter plugged and abandoned wells.

Use APPLICATION FOR PERMIT - for such proposals.

8. Unit or Communization Agreement

River Bend Unit

1. Type of Well

 Oil Well  Gas Well  Other (specify)

9. Well Name and Number

RBU 4-22F

2. Name of Operator

CNG Producing Company

10. API Well Number

43-047-31615

3. Address of Operator

1450 Poydras St., New Orleans, LA 70112-6000

4. Telephone Number

(504) 593-7260

11. Field and Pool, or Wildcat

5. Location of Well

Footage : 891' FNL & 1,164' FWL *Sec 22*  
QQ, SEC., T., R., M.: NW NW of Sec-11-T10S-R20ECounty : Uintah  
State : UTAH**12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**NOTICE OF INTENT  
(Submit in Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandonment             | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Casing Repair           | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans         | <input type="checkbox"/> Recompletion         |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize     |
| <input type="checkbox"/> Fracture Treat          | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion     | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____             |   |

Approximate Date Work Will Start \_\_\_\_\_

SUBSEQUENT REPORT  
(Submit Original Form Only)

- |   |   |
|---|---|
| <input type="checkbox"/> Abandonment *                                | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Casing Repair                                | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans                              | <input type="checkbox"/> Shoot or Acidize     |
| <input type="checkbox"/> Conversion to Injection                      | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat                               | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other <u>Annual Status Report</u> |   |

Date of Work Completion \_\_\_\_\_

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

\* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETION OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

STATUS OF WELL

Shut-in

EXPLANATION FOR STATUS OF WELL

Under evaluation

FUTURE PLANS

Possible workover or recompletion

**RECEIVED**

MAR 01 1993

DIVISION OF  
OIL GAS & MINING

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

Name &amp; Signature

*Scott Childress*  
W. Scot Childress

Title

Supervisor, Prod. Engineering

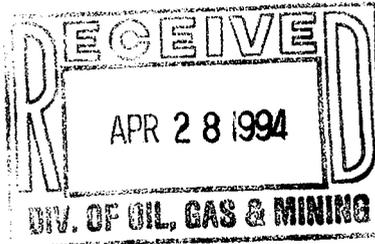
Date

January 29, 1993

(State Use Only)

CNG Tower  
1450 Poydras Street  
New Orleans, LA 70112-6000  
(504) 593-7000

April 26, 1994



Mr. David Little  
District Manager  
Dept. of the Interior  
Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, UT 84078

RE: Application for Disposal of Produced Water  
Onshore Order No. 7

Dear Mr. Little:

Pursuant to Onshore Order No. 7 effective October 8, 1993, CNG Producing Company hereby makes applications under Section 3.D.2.iv "The volume of water to be disposed of does not exceed an average of 5 barrels per day on a monthly basis." The wells make less than five (5) bbls per day. The evaporation rate for the area is four (4) feet per year and the percolation rate of the soil is approximately 1" per day. This request is for a 15' x 15' emergency pit with a minimum of 2' of free-board adjacent to the dehy dump. The pit shall have adequate storage capacity for safe containment of all produced water, even in those periods when evaporation rates are at a minimum. The pit shall be fenced or enclosed to prevent access by livestock, wildlife, and unauthorized personnel. Fences shall not be constructed on the levees.

Some of the pits are unlined, (except with native clay), when they are not located next to drainage. These pits have also been tested for water loss. The pits that showed water loss are lined with native clay and a .12 mil liner.

<u>Well Name</u>	<u>Lease Number</u>	<u>Well Location</u>	<u>Section, Township &amp; Range</u>
RBU 11-34B	UTU-017713	NE SW	34-T9S-R19E
RBU 11-11F	UTU-7206	NE SW	11-T10S-R20E
RBU 1-17F	UTU-013769-B	NE NE	17-T10S-R20E
RBU 15-18F	UTU-013794	SW SE	18-T10S-R20E
RBU 4-22F	UTU-0143521-A	NW NW	22-T10S-R20E
RBU 3-3E	UTU-013765	NE NW	3-T10S-R19E
RBU 3-22E	UTU-013792	NE NW	22-T10S-R19E

Exact location of the pits have been submitted with the site security diagram. The above well is located outside the River Bend Unit.

If you have any questions or need any further information, please feel free to contact either myself at (504) 593-7260 or our project engineer, Scot Childress, at (504) 593-7574. Thank you for your cooperation.

Sincerely,

*Susan H. Sachitana*  
Susan H. Sachitana  
Regulatory Specialist

Enclosure

cc: Utah Board of Oil, Gas & Mining  
Yvonne Abadie  
Scot Childress  
Brian Coffin  
Darwin Kulland  
RBU Well files

43-047-31615

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
BUDGET BUREAU NO. 1004-0135  
EXPIRES: MARCH 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT - " for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well [ ] Oil Well [X] Gas Well [ ] Other	7. If Unit or CA, Agreement Designation River Bend Unit
2. Name of Operator CNG PRODUCING COMPANY	8. Well Name and No. 4-22F
3. Address and Telephone No. CNG Tower - 1450 Poydras Street, New Orleans, LA 70112-6000	9. API Well No. 43-047-31615
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Surface - 891' FNL & 1,164' FWL of Sec. 22-T10S-R20E	10. Field and Pool, or Exploratory Area Island
	11. County or Parish, State Uintah, Utah

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[X] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other - Onshore Order #7	[ ] Dispose Water
	Application for Disposal Pit	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. 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 the work.)\*

Pursuant to Onshore Order #7 effective October 8, 1993, CNG Producing Company hereby makes application under Section 3.D.2.iv. The pit dimensions would be 15' x 15' with a minimum of 2' of free-board adjacent to the dehy dump. The pit shall be fenced or enclosed to prevent access by livestock, wildlife and unauthorized personnel.

The volume of water to be disposed of does not exceed an average of 5 barrels per day of a monthly basis.

The evaporation rate in the area is 4' per year and the percolation rate of the soil is approximately 1" per day.

14. I hereby certify that the forgoing is true and correct

Signed Susan H. Sachitana Title Regulatory Specialist Date May 4, 1994  
 Susan H. Sachitana  
 (This space for Federal or State office use)  
 Federal Approval of this Action is Necessary  
 Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date: 5-10-94  
 Conditions of approval, if any: \_\_\_\_\_  
 By: For Record Only

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instructions on Reverse Side

CNG Producing  
Company

A CNG COMPANY

CNG Tower  
1450 Poydras Street  
New Orleans, LA 70112-6000  
(504) 593-7000

May 4, 1994

Mr. Paul M. Andrews  
Area Manager, Books Cliff Resource Area  
U.S. Dept. of the Interior  
Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, UT 84078

RE: River Bend Unit  
Application for Disposal Pits

Dear Mr. Andrews:

Enclosed please find an original and two copies of Sundry Form 3160-5 requesting approval for disposal pits at the following locations:

<u>Well Name</u>	<u>Location</u>	<u>Lease Number</u>
RBU 3-3E	NE NW 3-T10S-R19E	U-013765
RBU 15-10E	SW SE 10-T10S-R19E	U-013792
RBU 11-11F	NE SW 11-T10S-R20E	U-7260
RBU 5-14E	SW NW 14-T10S-R19E	U-013793-A
RBU 13-15E	SW SW 15-T10S-R19E	U-013766
RBU 1-17F	NE NE 17-T10S-R20E	U-013769-B
RBU 15-18F	SW SE 18-T10S-R20E	U-013794
RBU 9-21E	NE SE 21-T10S-R19E	U-013766
RBU 3-22E	NE NW 22-T10S-R20E	U-013792
RBU 4-22F	NW NE 22-T10S-R20E	U-0143521A
RBU 11-34B	NE SW 34-T9S-R19E	U-017713

CNG is applying for these disposal pits under the criteria that these wells do not produce more than 5 barrels per day, therefore the following information is not applicable:

1. Water Analysis
2. There are no known aquifers in the area.

Should you have any question please feel free to contact me at (504) 593-7260.

Sincerely,

*Susan H. Sachitana*  
Susan H. Sachitana  
Regulatory Specialist

Enclosure

cc: Utah Board of Oil Gas & Mining  
Darwin Kulland  
Yvonne Abadie

RECEIVED

MAY 6 1994

DIVISION OF  
OIL GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
EXPIRES: July 31, 1996

**SUNDRY NOTICES AND REPORTS ON WELLS**

**Do not use this form for proposals to drill or to deepen or re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE - Other instruction on reverse side**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. U-0143521A
2. Name of Operator CNG PRODUCING COMPANY		6. If Indian, Allottee or Tribe Name
3a. Address 1450 POYDRAS ST, NEW ORLEANS, LA 70112-6000	3b. Phone No. (include area code) (504) 593-7000	7. If Unit or CA/ Agreement, Name and/or No. RIVERBEND UNIT
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  Surface - 891' FNL & 1,164' FWL of Sec. 22-T10S-R20E		8. Well Name and No. 4-22F
		9. API Well No. 43-047-31615
		10. Field and Pool, or Exploratory Area ISLAND
		11. County or Parish, State UINTAH, UTAH

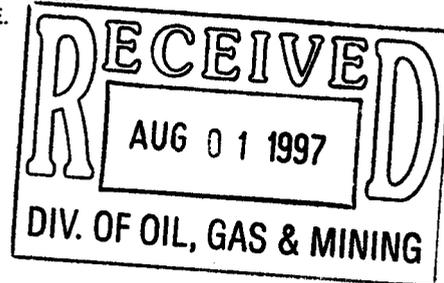
**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandonment	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input checked="" type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation have been completed, and the operator has determined that the site is ready for final inspection.)

CNG Producing Company proposes to store brine water from the above referenced well in a 100 bbl tank on the well site. As the tank fills, water will be hauled and disposed of into the RBU 16-19F injection well in Sec. 19-T10S-R20E.

Attached is a revised site diagram for this well site.



14. I hereby certify that the forgoing is true and correct Name (Printed/Typed)  SUSAN H. SACHITANA	Title  COORDINATOR, REGULATORY REPORTS
Signature <i>Susan H. Sachitana</i>	Date 970725

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

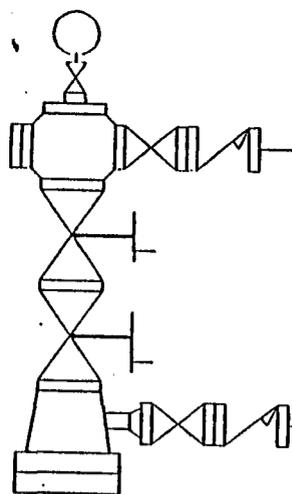
# CNG

PRODUCING  
COMPANY

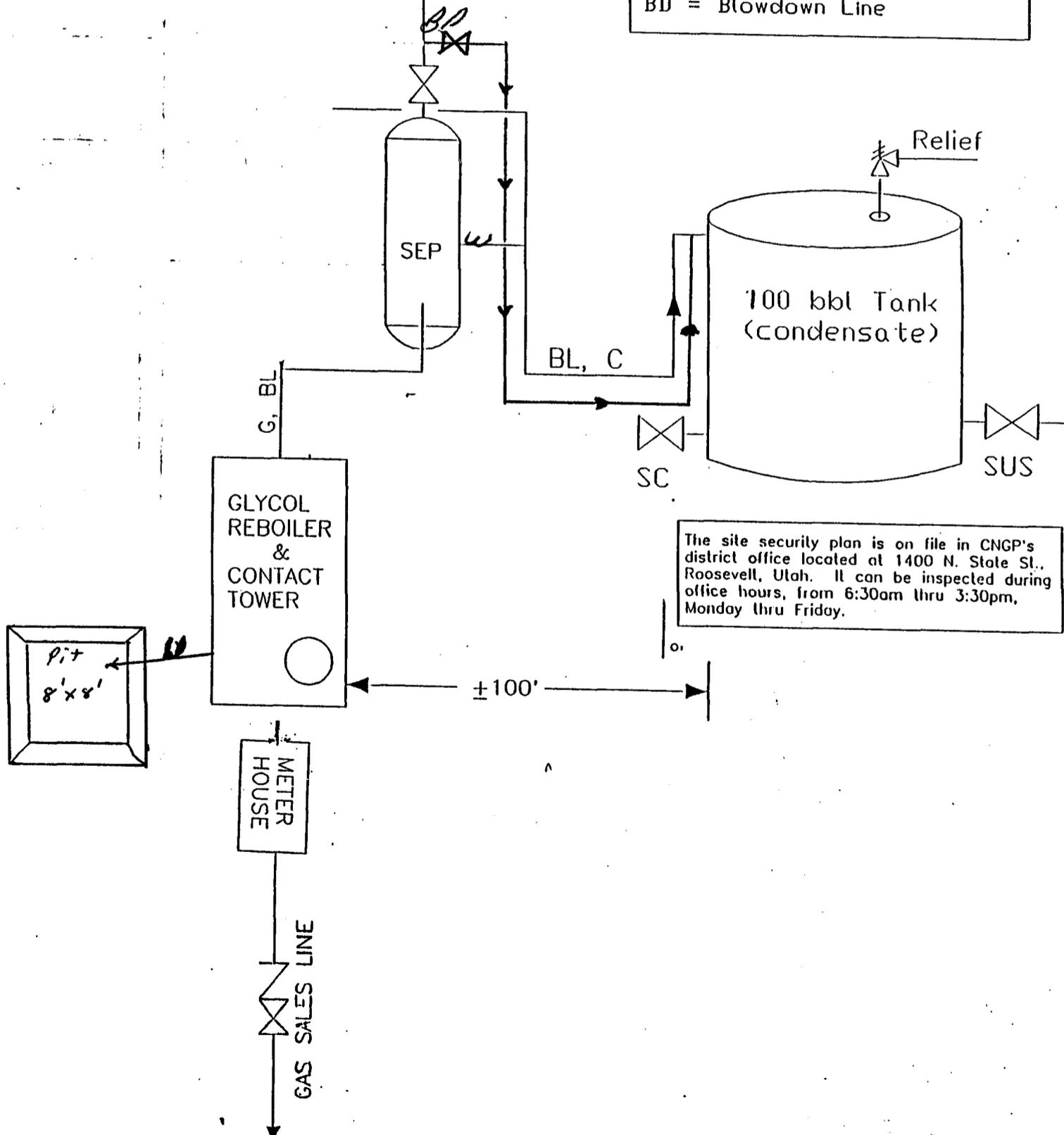
## LEGEND

- O = Oil Line
- G = Gas Line
- W = Water Line
- R = Relief Line (Pressure)
- C = Condensate Line
- V = Vent Line
- D = Drain Line
- M = Gas Meter
- P = Pump
- BP = Back Pressure Valve
- SWS = Sealed When Shipping
- SUS = Sealed Unless Shipping
- T = Heat Traced Line
- H = Heater
- BL = Buried Line
- ⊗ = Valve
- ⊏ = Check Valve
- SC = Sealed Closed Valve
- NC = Normally Closed
- BD = Blowdown Line

*REV 4-22 F*  
*RK 1 W 5 MU 15*  
*4304731615000*  
*UW 4043521A*  
*NEW 22 10 205*



WELLHEAD (typ)



The site security plan is on file in CNGP's district office located at 1400 N. State St., Roosevelt, Utah. It can be inspected during office hours, from 6:30am thru 3:30pm, Monday thru Friday.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
EXPIRES: July 31, 1996

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to deepen or re-enter an  
abandoned well. Use form 3160-3 (APD) for such proposals.

**SUBMIT IN TRIPLICATE - Other instruction on reverse side**

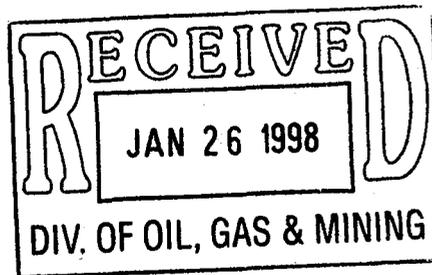
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. U-0143521A
2. Name of Operator CNG PRODUCING COMPANY		6. If Indian, Allottee or Tribe Name
3a. Address 1450 POYDRAS ST, NEW ORLEANS, LA 70112-6000	3b. Phone No. (include area code) (504) 593-7000	7. If Unit or CA/ Agreement, Name and/or No. RIVERBEND UNIT
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  Surface - 891' FNL & 1,164' FWL of Sec. 22-T10S-R20E		8. Well Name and No. 4-22F
		9. API Well No. 43-047-31615
		10. Field and Pool, or Exploratory Area ISLAND
		11. County or Parish, State UINTAH, UTAH

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>PLUNGER LIFT</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandonment	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation have been completed, and the operator has determined that the site is ready for final inspection.)

Installed plunger lift equipment on above well. Well on plunger as of 1/15/98.



14. I hereby certify that the forgoing is true and correct Name (Printed/Typed)  SUSAN H. SACHITANA	Title  COORDINATOR, REGULATORY REPORTS
Signature <i>Susan H. Sachitana</i>	Date 980120

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155

In Reply Refer To:  
3100  
U-01470-A et al  
(UT-932)

JUN 2 2000

### NOTICE

Dominion Exploration & Production, Inc. : Oil and Gas Leases  
1450 Poydras Street :  
New Orleans, LA 70112-6000 :

#### Name Change Recognized

Acceptable evidence has been received in this office concerning the change of name of CNG Producing Company to Dominion Exploration & Production, Inc. on Federal oil and gas leases.

The oil and gas lease files identified on the enclosed exhibit have been noted as to the name change. The exhibit was compiled from your list of leases and a list of leases obtained from our automated records system. We have not abstracted the lease files to determine if the entity affected by the name change holds an interest in the leases identified nor have we attempted to identify leases where the entity is the operator on the ground maintaining no vested record title or operating rights interests. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the name change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

The following lease on your list is closed on the records of this office: U-029277.

Due to the name change, the name of the principal on the bond is required to be changed from CNG Producing Company to Dominion Exploration & Production, Inc. on Bond No. 524 7050 (BLM Bond No. WY1898). You may accomplish this name change either by consent of the surety on the original bond or by a rider to the original bond. Otherwise, a replacement bond with the new name should be furnished to the Wyoming State Office.

**/s/ Robert Lopez**

Robert Lopez  
Chief, Branch of  
Minerals Adjudication

Enclosure  
Exhibit of Leases

**RECEIVED**

JUN 05 2000

DIVISION OF  
OIL, GAS AND MINING

cc: Wyoming State Office  
New Mexico State Office  
Moab Field Office  
Vernal Field Office  
MMS-Reference Data Branch, MS 3130, Box 5860, Denver, CO 80217  
State of Utah, DOGM, Attn: Jim Thompson (Ste. 1210), Box 145801, SLC, UT 84114-5801  
Irene Anderson (UT-932)  
Teresa Thompson (UT-931)  
LaVerne Steah (UT-942)

Dominion Exploration & Production, Inc.  
1450 Poydras Street, New Orleans, LA 70112-6000  
Phone: 504-593-7000



June 27, 2000

Mr. Jimmy Thompson  
Utah Board of Oil Gas & Mining  
1594 West North Temple  
Suite 1210  
Salt Lake City, UT 84114-5801

RE: Name Change Documentation for CNG Producing Company

Dear Mr. Thompson:

CNG Producing Company has become Dominion Exploration & Production, Inc. effective April 12, 2000. Enclosed please find a sundry regarding the name change with an attached listing of all the permits in the name of CNG Producing Company to be changed to Dominion Exploration & Production, Inc. Also enclosed please find a Form UIC 5 for the Transfer of Authority to Inject for the Federal #1-26B well.

If you have any questions or require any additional information, please contact me at (504) 593-7260.

Sincerely,

DOMINION EXPLORATION & PRODUCTION, INC.

Susan H. Sachitana  
Regulatory Reports Administrator

Enclosure

cc: Nelda Decker

**RECEIVED**

JUN 29 2000

**DIVISION OF  
OIL, GAS AND MINING**

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

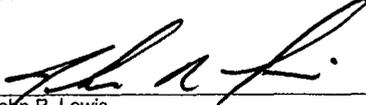
1. Type of Well : OIL <input type="checkbox"/> GAS <input type="checkbox"/> OTHER: <input type="checkbox"/>	5. Lease Designation and Serial Number: VARIOUS
2. Name of Operator: DOMINION EXPLORATION & PRODUCTION, INC.	6. If Indian, Allottee or Tribe Name:
3. Address and Telephone Number: 1460 Poydras Street, New Orleans, LA 70112-6000 (504) 593-7260	7. Unit Agreement Name:
4. Location of Well Footages: QQ, Sec, T., R., M.:	8. Well Name and Number: VARIOUS
	9. API Well Number
	10. Field and Pool, or Wildcat: Natural Buttes 630
	County: UINTAH State: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

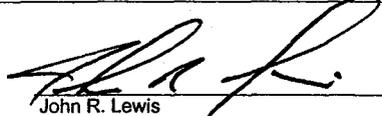
NOTICE OF INTENT (SUBMIT IN DUPLICATE)	SUBSEQUENT REPORT (Submit Original Form Only)
<input type="checkbox"/> Abandon	<input type="checkbox"/> Abandon*
<input type="checkbox"/> Repair Casing	<input type="checkbox"/> Repair Casing
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Convert to Injection
<input type="checkbox"/> Fracture Treat or Acidize	<input type="checkbox"/> Fracture Treat or Acidize
<input type="checkbox"/> Multiple Completion	<input checked="" type="checkbox"/> Other <u>OPERATOR NAME CHANGE FOR WELLS</u>
<input type="checkbox"/> Other	
<input type="checkbox"/> New Construction	<input type="checkbox"/> New Construction
<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Pull or Alter Casing
<input type="checkbox"/> Recomplete	<input type="checkbox"/> Reperforate
<input type="checkbox"/> Reperforate	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Water Shut-Off	
Approximate date work will start _____	Date of work completion _____
	Report results of Multiple Completion and Recompletion to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.
	*Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETION OPERATIONS (Clearly State all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please be advised that effective April 12, 2000, CNG Producing Company has changed its name to Dominion Exploration & Production, Inc. and would like to transfer the well permits into the name of Dominion Exploration & Production, Inc. Our new bond has been filed and is pending approval with the State of Utah. The bond number is 76S 63050 361.

  
John R. Lewis  
Sr. Vice-President - CNG Producing Company

**RECEIVED**  
JUN 29 2000  
DIVISION OF  
OIL, GAS AND MINING

13.  
Name & Signature:  Title: Sr. Vice-President - Dominion Expl. & Prod., Inc. Date: June 26, 2000

(This space for State use only)



State of Utah
DEPARTMENT OF COMMERCE
Division of Corporations & Commercial Code

552814
CO 106990
File Number

Table with 2 columns: Check Appropriate Box, Fee Amount. Rows include Foreign Profit Corporation (\$35.00), Foreign Non-Profit Corporation (\$35.00), Foreign Limited Partnership (\$25.00), Foreign Limited Liability Company (\$35.00).

Application To Amend The
CERTIFICATE OF AUTHORITY OR
REGISTRATION of

CNG Producing Company
Business Entity Name

Delaware
Name of Home State

I. AMENDING THE BUSINESS NAME

The business name is changed to: Dominion Exploration & Production, Inc.
The corporation shall use as its name in Utah: Dominion Exploration & Production, Inc.

NOTE: If the business name has changed its name in the home state, a copy of the Certificate of Amendment or a certified copy of the amendment must accompany this application.

Check the following:

- [X] The name of the corporation is changing its name in Utah to the new name of the corporation in the home state.
[] The name of the corporation is being changed in Utah to comply with Utah State Insurance Regulations.

II. AMENDING THE DURATION OF THE BUSINESS EXISTENCE

The businesses period of duration is changed to:

III. AMENDING THE STATE OR COUNTRY OF INCORPORATION/REGISTRATION

The corporation's state or country of incorporation/registration is changed to:

IV. Other:
(Limited Partnership changing General Partners, Limited Companies changing Members or Managers. Change of statement who is managing, etc.)
Use an unattached sheet if needed.

Under penalties of perjury, I declare this Application to Amend the Certificate of Authority or Registration to be, to the best of my knowledge and belief, true and correct.

Signature: [Handwritten Signature] Title: Vice President & Corporate Secretary Date: April 20 2000

STATE OF UTAH
DIVISION OF CORPORATIONS
AND COMMERCIAL CODE
160 East 300 South / Box 146705
Salt Lake City, UT 84114-6705
Service Center: (801) 530-4849
Web Site: http://www.commerce.state.ut.us

FILED

State of Utah
Department of Commerce
Division of Corporations and Commercial Code

I Hereby certify that the foregoing has been filed and approved on this 25 day of April 2000 in the office of this Division and hereby issue this Certificate thereof.

Examiner: [Signature] Date: 2/14/00



W. JENSEN
DIRECTOR

Date: 04/25/2000

Receipt Number: 22156

Amount Paid: \$60.00

APR 25 2000

Well Name	Api Well Code	Operator Name	Production Status	Lease Type
RBU #16-16F	430473111500S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #11-34B	430473113800S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #12-18F	430473114000S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #3-24E	430473114100S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #3-23E	430473114300S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #9-23E	430473114400S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #9-14E	430473114500S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #3-15E	430473116000S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #10-15E	430473116100S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #9-10E	430473117600S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #14-2D	430473119100S1	DOMINION EXPLORATION & PR	SIEC	STATE
RBU #6-11D	430473119200S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #3-14E	430473119600S1	DOMINION EXPLORATION & PR	PR	BLM
FEDERAL 33-18J	430473120000S01	DOMINION EXPLORATION & PR	PR	BLM
RBU #8-4E	430473125200S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #13-2D	430473128000S1	DOMINION EXPLORATION & PR	PR	STATE
RBU #1-19F	430473132200S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #5-10E	430473132300S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #1-20F	430473132400S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #16-3D	430473135200S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #10-11D	430473135700S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #8-11D	430473135800S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #8-10D	430473136400S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #3-13E	430473136900S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #12-2D	4304731452S02	DOMINION EXPLORATION & PR	PR	STATE
RBU #16-3E	430473151800S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #11-11F	430473151900S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #1-17F	430473152000S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #15-3D	430473153900S1	DOMINION EXPLORATION & PR	PR	BLM
* HILL CREEK FEDERAL #1-30	430473160100S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #9-13E	430473160500S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #3-22E	430473160600S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #8-24E	430473160700S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #15-18F	430473160800S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #5-11F	430473161300S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #8-16F	430473161400S2	DOMINION EXPLORATION & PR	PR	BLM
RBU #4-22F	430473161500S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #12-12D	430473165100S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #6-17E	430473165200S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #5-13E	430473171500S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #13-13E	430473171700S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #11-35B	430473172400S1	DOMINION EXPLORATION & PR	TA	BLM
RBU #9-9E	430473173900S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #1-16E	430473174000S1	DOMINION EXPLORATION & PR	PR	STATE
RBU #2-10D	430473180100S1	DOMINION EXPLORATION & PR	PR	BLM
APACHE FEDERAL #12-25	430473188100S1	DOMINION EXPLORATION & PR	PR	BLM BIA
APACHE FEDERAL #44-25	430473192200S2	DOMINION EXPLORATION & PR	PR	BLM
RBU #16-2F	430473202600S1	DOMINION EXPLORATION & PR	PR	STATE
RBU #13-14E	430473203300S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #11-3E	430473203700S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #6-18F	430473203800S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #15-24E	430473204000S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #5-14E	430473204100S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #9-16E	430473204200S1	DOMINION EXPLORATION & PR	PR	STATE
RBU #12-20F	430473205000S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #7-13E	430473205100S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #16-19F	430473207000S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #9-22E	430473207100S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #15-34B	430473207200S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #11-15E	430473207300S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #13-21F	430473207400S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #10-22F	430473207500S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #9-20F	430473208100S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #15-23E	430473208200S1	DOMINION EXPLORATION & PR	PR	BLM

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
EXPIRES: July 31, 1996

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to deepen or re-enter an  
abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instruction on reverse side

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. U-0143521A
2. Name of Operator CNG PRODUCING COMPANY		6. If Indian, Alutotie or Tribe Name
3a. Address 1450 POYDRAS ST, NEW ORLEANS, LA 70112-6000	3b. Phone No. (include area code) (504) 593-7000	7. If Unit or CM Agreement, Name and/or No. RIVERBEND UNIT
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Surface - 891' FNL & 1,164' FWL of Sec. 22-T10S-R20E		8. Well Name and No. 4-22F
		9. API Well No. 43-047-31615
		10. Field and Pool, or Exploratory Area ISLAND
		11. County or Parish, State UINTAH, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <b>SUMMARY OF OPERATIONS</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandonment	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or to recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation have been completed, and the operator has determined that the site is ready for final inspection.)

**SUMMARY OF OPERATIONS FROM MARCH 29, 2000 - 5/1/00** ←

Rig up wireline. Pick up and run in hole with 1.375" fishing tool and latch bumper spring at 5,581'. Pull out of hole. Run in hole with 1.875" blind box to packer at 5,683'. Pull out of hole. Rig down wireline. Blow well down and pumped 10 bbls 2% KCL water down tubing and 20 bbls down casing to control well. Nipple down wellhead. Nipple up BOP. Pull out of hole. Tried to work packer free, worked up and down but packer struck. Pumped 25 bbls 2% KCL water down tubing. Pull out of hole with 2 jts 2 3/8" tubing. Packer stuck. Rig up Baker Atlas. Pick up run in hole with 1 11/16" chemical cutter. Did not cut tubing at 5,673'. Pull out of hole. Load cutter. Run in hole with cutter and cut tubing at 5,674'. Pull out of hole with 4 jts 2 3/8" tubing. Rig down Baker Atlas. Blow well dead. Pull out of hole with 170 jts 2 3/8" tubing, Otis sliding sleeve and 3 jts 2 3/8" tubing and 20' piece of cut jt. Pick up and run in hole with 4 3/4" x 4 1/2" shoe, 1 jt 4 1/2" wash pipe, top sub, bumper sub, super jar, x-o, 4 3 1/2" drill collars, x-o, intensifier jar, x-o and 174 jts 2 3/8" tubing. Tag fill. Rig up foam unit. Broke circulation. Drill and circulate to fish. Top at 5,674'. Circulate clean to packer and pull out of hole with 174 jts tubing and wash over equipment. Blow well dead. Pick up and run in hole with 4 11/16" overshot with 2 3/8" grapple, manual bumper sub, Bowen super jar, 4 drill collars, intensifier, 175 jts 2 3/8" tubing, latch fish top at 5,674' and jar on fish. Jarred 2 1/2 hrs and parted tubing at packer top. Pull out of hole with tubing and fish string and 9.20' of parted fish. Pick up and run in hole with 4 3/4" x 4 1/2" shoe, 1 jt wash pipe, top sub, jar, 4 3 1/2" drill collars, intensifier and 172 jts 2 3/8" tubing. Run in hole with 2 3/8" tubing. Rig up power swivel. Rig up foam unit, blow well dry. Tag fish, top milled on fish approximately 8'. Free up packer and moved packer down to 5,704'. Pumped sweep. Rig down power swivel. Rig down drilling rubber. Pull out of hole with 175 jts 2 3/8" tubing, intensifier, 4 3 1/2" drill collars, jar, bumper sub, 1 jt wash pipe, 4 3/4" x 4 1/2" shoe. Lay down wash pipe and shoe. Pick up grab, overshot, and run in hole with overshot 4 3 1/2" drill collars, intensifier, jars, bumper sub and 179 jts 2 3/8" tubing. Latch fish. Pull out of hole. Laid fish and 5 jts 2 3/8" tubing and 1/81" F nipple. Laid down 4 3 1/2" drill collars. Pick up and run in hole with 5 1/2" retrievable bridge plug, retrieving head, 5 1/2" packer, and 180 jts 2 3/8" tubing. Set plug at 5,678'. Pull out of hole with 1 jt and set packer at 5,635'. Test down tubing to 3500 PSI. Bleed off slow. Released plug and moved to 5,668'. Set packer at 5,660'. Test down tubing and pumped at 2 BPM. Released plug. Pull out of hole to 5,590' and set packer at 5,502'. Test down tubing to 3500 PSI. Held. Test down casing to 3500 PS Held. Released tools. Run in hole and set plug at 5,659' and packer at 5,651'. Test down tubing to 700 PSI at 2 BPM. Released tools. Pull out of hole with 179 jts 2 3/8" tubing, packer and bridge plug. Rig up Baker atlas. Pick up and run in hole with casing caliper inspection tool and tag at 5,880'. Logged casing from 5,840'-4,800'. Relogged from 5,700' - 5,500'. Showed no holes. Pull out of hole. Rig down Baker Atlas. Pick up and run in hole with Baker 5 1/2" bridge plug, packer, 180 jts 2 3/8" tubing and set bridge plug at 5,678' and packer at 5,638'. Test down tubing to 3,500 PSI, lost 1200 PSI in 3 minutes. Move plug to 5,649' and packer to 5,643'. Test down tubing, pumped 23 bbls at 3 BPM - 0 PSI. Thought may have packer latched into bridge plug, moved packer to 5,640'. Test down tubing with 23 bbls water at 3 BPM - 0 PSI. Moved plug to 5,638' and packer at 5,628'. Pumped 19 bbls water, 500 PSI, 2 BPM. Move packer to 5,632' to get away from perfs. Pumped 19 bbls water at 3 BPM, 0 PSI. Moved plug to 5,590' and packer at 5,560'. Tested down tubing to 3500 PSI. Held. Released tools. Pick up and run in hole with 2 jts 2 3/8" tubing and set 5 1/2" retrievable bridge plug at 5,634' with packer at 5,630'. Pump 24 bbls 2% KCL water at 3 BPM at 450 PSI. Released packer and plug. Run in hole and set bridge plug at 5,690'. Pull out of hole. Lay down 181 jts 2 3/8" tubing and packer. Nipple down BOP. Nipple up frac valve. Rig down workover rig. Rig up BJ frac equipment and test lines to 8000 PS. Re-frac'd interval #2 (5,606'-28') with 211,660 lbs of 20/40 frac sand and 3,760 lbs of 14/40 flex sand with 1,287 bbls of 25# Viking gel. Average surface treating pressure was 2,700 PSI. Initial post frac shut-in pressure was 2,890 PSI. Opened well up and performed a forced closure flowing back 15 bbls at 1/2 BPM rate. Casing pressure declined to 2,470 PSI in 1/2 hr. Opened casing to pit on 12/64" choke with 2,470 PSI. Rig up workover rig and equipment. Nipple down frac valve. Nipple up BOP. Run in hole with Baker retrieving head, 1 jt 2 3/8" tubing, 1.81" XN nipple, 177 jts 2 3/8" tubing and hang at 5,623'. Pull out of hole and lay down 1 jt tubing and land tubing on hanger with 177 jts total with end of tubing at 5,592'. Nipple down BOP. Nipple up wellhead. Rig down workover rig and equipment. Rig up swab rig and start swabbing with fluid level at 800'. Made 25 runs and swabbed back 58 bbls fluid. Pulled fluid level to 3,100'. Start swabbing with fluid level at 3,300'. Made 22 runs. Pulled fluid level to 4,200'. Swabbed back 48 bbls fluid. Rig down swab rig. Rig up swab rig and began swabbing with fluid level at 4,000'. Made 9 runs and pulled fluid level to 4,300'. Saw a lot of sand at 4,700'. Swabbed back 15 bbls fluid. Had small vacuum on tubing and casing. Started swabbing with fluid level at 4,200'. Made 1 run. Rig down swab cups. Run in hole and tag fill at 5,565'. Pull out of hole and rig up swab cups. Made 15 runs and swabbed back 29 bbls fluid. Waited 30 minutes between runs. Rig up workover rig and equipment. Nipple down wellhead. Nipple up BOP. Pick up and run in hole with 1 jt 2 3/8" tubing and tag fill at 5,629'. Rig up foam unit and broke circulation with 900 PSI. Run in hole with 1 jt 2 3/8" tubing to 5,653' and circulate well clean. Pump 350 gallons methanol down tubing. Displace tubing volume with foam unit. Rig up foam unit to casing and pump 20 minutes to 550 PSI. Rig up swab and began swabbing with fluid level at 3,100'. Made 16 runs and swabbed back 88 bbls fluid. Blow tubing down. Rig down swab equipment. Run in hole from 5,623' and tag sand at 5,664'. Rig up foam unit and broke circulate with 900 PSI. Circulate well clean to bridge plug at 5,690'. Release bridge plug. Pull out of hole with 180 jts 2 3/8" tubing and 1.78" "F" nipple, 1 jt 2 3/8" tubing, baker retrieving head and bridge plug. run in hole with 4.75" bit, 3 1/2" bit sub, crossover and 187 jts 2 3/8" tubing. Tag fill at 5,904'. Rig up drilling equipment and string float. Broke circulation with 900 PSI. Drill and circulate to PBTD at 6,190'. Pump 10 bbls sweep and circulate clean. Pull out of hole with 55 jts tubing. Blow well down. Finish pulling out of hole with 134 jts 2 3/8" tubing, bit, and bit sub. Lay down bit and bit sub. Run in hole with mule shoe collar, 1 jt 2 3/8" tubing, 1.81 XN nipple, 166 jts 2 3/8" tubing with end of tubing at 5,298'. Rig up Schlumberger. Pick up and run in hole with CCL, Gamma ray tool, could not get through tubing at 5,262'. Pull out of hole with Schlumberger. Pull out of hole with 167 jts tubing and bottom hole assembly. Run in hole with CCL, Gamma ray tool to 5,900' and log to 5,300'. Showed tracer sand in both zones. Pull out of hole. Rig down Schlumberger and run in hole with 187 jts and bottom hole assembly. Land tubing on hanger with nipple at 5,865'. end of tubing at 5,989'. Nipple up BOP. Nipple up wellhead. Rig down rig. Fluid level on first run was at 4,200'. Made a total of 24 swab runs and well flowed for 35 minutes. Fluid level on last run was at 5,600'. Swabbed back 40 bbls total fluid. Rig up swab rig. Fluid level was at 4,700'. Made 2 runs and well flowed. Swabbed back 8 bbls fluid. Had hole in production lines. Shut-in well to repair lines.

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY

RECEIVED  
JUL 17 2000  
DIVISION OF  
OIL, GAS AND MINING

WTC  
8-14-00

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

Name (Printed/Typed) SUSAN H. SACHITANA	Title REGULATORY REPORTS ADMINISTRATOR
Signature <i>Susan Sachitana</i>	Date 20000330
THIS SPACE FOR FEDERAL OR STATE OFFICE USE	
Approved by	Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
EXPIRES: July 31, 1996

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instruction on reverse side

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. U-0143521A
2. Name of Operator CNG PRODUCING COMPANY		6. If Indian, Alcolite or Tribe Name
3a. Address 1450 POYDRAS ST, NEW ORLEANS, LA 70112-6000	3b. Phone No. (include area code) (504) 593-7000	7. If Leasing or CAI Agreement, Name and/or No. RIVERBEND UNIT
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Surface - 891' FNL & 1,164' FWL of Sec. 22-T10S-R20E		8. Well Name and No. 4-22F
		9. API Well No. 43-047-31615
		10. Field and Pool, or Exploratory Area ISLAND
		11. County or Parish, State UINTAH, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <b>SUMMARY OF OPERATIONS</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandonment	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or completion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation have been completed, and the operator has determined that the site is ready for final inspection.)

**SUMMARY OF OPERATIONS FROM MARCH 29, 2000 -**

Rig up wireline. Pick up and run in hole with 1,375' fishing tool and latch bumper spring at 5,561'. Pull out of hole. Run in hole with 1.875" blind box to packer at 5,683'. Pull out of hole. Rig down wireline. Blow well down and pumped 10 bbls 2% KCL water down tubing and 20 bbls down casing to control well. Nipple down wellhead. Nipple up BOP. Pull out of hole. Tried to work packer free, worked up and down but packer struck. Pumped 25 bbls 2% KCL water down tubing. Pull out of hole with 2 jts 2 3/8" tubing. Packer stuck. Rig up Baker Atlas. Pick up run in hole with 1 1/16" chemical cutter. Did not cut tubing at 5,673'. Pull out of hole. Load cutter. Run in hole with cutter and cut tubing at 5,674'. Pull out of hole with 4 jts 2 3/8" tubing. Rig down Baker Atlas. Blow well dead. Pull out of hole with 170 jts 2 3/8" tubing, Otis sliding sleeve and 3 jts 2 3/8" tubing and 20' piece of cut jt. Pick up and run in hole with 4 3/4" x 4 1/2" shoe, 1 jt 4 1/2" wash pipe, top sub, bumper sub, super jar, x-o, 4 3 1/2" drill collars, x-o, intensifier jar, x-o and 174 jts 2 3/8" tubing. Tag fill. Rig up foam unit. Broke circulation. Drill and circulate to fish. Top at 5,674'. Circulate clean to packer and pull out of hole with 174 jts tubing and wash over equipment. Blow well dead. Pick up and run in hole with 4 1/16" overshot with 2 3/8" grapple, manual bumper sub, Bowen super jar, 4 drill collars, intensifier, 175 jts 2 3/8" tubing, latch fish top at 5,674' and jar on fish. Jarred 2 1/2 hrs and parted tubing at packer top. Pull out of hole with tubing and fish string and 9.20' of parted fish. Pick up and run in hole with 4 3/4" x 4 1/2" shoe, 1 jt wash pipe, top sub, jar, 4 3 1/2" drill collars, intensifier and 172 jts 2 3/8" tubing. Run in hole with 2 3/8" tubing. Rig up power swivel. Rig up foam unit, blew well dry. Tag fish, top milled on fish approximately 8'. Free up packer and moved packer down to 5,704'. Pumped sweep. Rig down power swivel. Rig down drilling rubber. Pull out of hole with 175 jts 2 3/8" tubing, intensifier, 4 3 1/2" drill collars, jar, bumper sub, 1 jt wash pipe, 4 3/4" x 4 1/2" shoe. Lay down wash pipe and shoe. Pick up grab, overshot, and run in hole with overshot 4 3 1/2" drill collars, intensifier, jars, bumper sub and 179 jts 2 3/8" tubing. Latch fish. Pull out of hole. Laid fish and 5 jts 2 3/8" tubing and 1/81" F nipple. Laid down 4 3 1/2" drill collars. Pick up and run in hole with 5 1/2" retrievable bridge plug, retrieving head, 5 1/2" packer, and 180 jts 2 3/8" tubing. Set plug at 5,676'. Pull out of hole with 1 jt and set packer at 5,635'. Test down tubing to 3500 PSI. Bleed off slow. Released plug and moved to 5,668'. Set packer at 5,660'. Test down tubing and pumped at 2 BPM. Released plug. Pull out of hole to 5,590' and set packer at 5,502'. Test down tubing to 3500 PSI. Held. Test down casing to 3500 PS Held. Released tools. Run in hole and set plug at 5,659' and packer at 5,651'. Test down tubing to 700 PSI at 2 BPM. Released tools. Pull out of hole with 179 jts 2 3/8" tubing, packer and bridge plug. Rig up Baker atlas. Pick up and run in hole with casing caliper inspection tool and tag at 5,660'. Logged casing from 5,840'-4,800'. Relogged from 5,700' - 5,500'. Showed no holes. Pull out of hole. Rig down Baker Atlas. Pick up and run in hole with Baker 5 1/2" bridge plug, packer, 180 jts 2 3/8" tubing and set bridge plug at 5,679' and packer at 5,638'. Test down tubing to 3,500 PSI, lost 1200 PSI in 3 minutes. Move plug to 5,649' and packer to 5,643'. Test down tubing, pumped 23 bbls at 3 BPM - 0 PSI. Thought may have packer latched into bridge plug, moved packer to 5,640'. Test down tubing with 23 bbls water at 3 BPM - 0 PSI. Moved plug to 5,638' and packer at 5,628'. Pumped 19 bbls water, 500 PSI, 2 BPM. Move packer to 5,632' to get away from perfs. Pumped 19 bbls water at 3 BPM, 0 PSI. Moved plug to 5,590' and packer at 5,560'. Tested down tubing to 3500 PSI. Held. Released tools. Pick up and run in hole with 2 jts 2 3/8" tubing and set 5 1/2" retrievable bridge plug at 5,634' with packer at 5,630'. Pump 24 bbls 2% KCL water at 3 BPM at 450 PSI. Released packer and plug. Run in hole and set bridge plug at 5,690'. Pull out of hole. Lay down 181 jts 2 3/8" tubing and packer. Nipple down BOP. Nipple up frac valve. Rig down workover rig. Rig up BJ frac equipment and test lines to 6000 PS. Re-frac'd interval #2 (5,606'-26') with 211,660 lbs of 20/40 frac sand and 3,760 lbs of 14/40 flex sand with 1,287 bbls of 25# Viking gel. Average surface treating pressure was 2,700 PSI. Initial post frac shut-in pressure was 2,890 PSI. Opened well up and performed a forced closure flowback 15 bbls at 1/2 BPM rate. Casing pressure declined to 2,470 PSI in 1/2 hr. Opened casing to pit on 12/64" choke with 2,470 PSI. Rig up workover rig and equipment. Nipple down frac valve. Nipple up BOP. Run in hole with Baker retrieving head, 1 jt 2 3/8" tubing, 1.81" X" nipple, 177 jts 2 3/8" tubing and hang at 5,623'. Pull out of hole and lay down 1 jt tubing and land tubing on hanger with 177 jts total with end of tubing at 5,592'. Nipple down BOP. Nipple up wellhead. Rig down workover rig and equipment. Rig up swab rig and start swabbing with fluid level at 800'. Made 25 runs and swabbed back 58 bbls fluid. Pulled fluid level to 3,100'. Start swabbing with fluid level at 3,300'. Made 22 runs. Pulled fluid level to 4,200'. Swabbed back 48 bbls fluid. Rig down swab rig. Rig up swab rig and began swabbing with fluid level at 4,000'. Made 9 runs and pulled fluid level to 4,300'. Saw a lot of sand at 4,700'. Swabbed back 15 bbls fluid. Had small vacuum on tubing and casing. Started swabbing with fluid level at 4,200'. Made 1 run. Rig down swab cups. Run in hole and tag fill at 5,565'. Pull out of hole and rig up swab cups. Made 15 runs and swabbed back 29 bbls fluid. Waited 30 minutes between runs. Rig up workover rig and equipment. Nipple down well head. Nipple up BOP. Pick up and run in hole with 1 jt 2 3/8" tubing and tag fill at 5,629'. Rig up foam unit and broke circulation with 900 PSI. Run in hole with 1 jt 2 3/8" tubing to 5,653' and circulate well clean. Pump 350 gallons methanol down tubing. Displace tubing volume with foam unit. Rig up foam unit to casing and pump 20 minutes to 550 PSI. Rig up swab and began swabbing with fluid level at 3,100'. Made 16 runs and swabbed back 68 bbls fluid. Blow tubing down. Rig down swab equipment. Run in hole from 5,623' and tag sand at 5,664'. Rig up foam unit and broke circulate with 900 PSI. Circulate well clean to bridge plug at 5,690'. Release bridge plug. Pull out of hole with 180 jts 2 3/8" tubing and 1.78" "F" nipple, 1 jt 2 3/8" tubing, baker retrieving head and bridge plug. run in hole with 4.75" bit, 3 1/2" bit sub, crossover and 187 jts 2 3/8" tubing. Tag fill at 5,904'. Rig up drilling equipment and string float. Broke circulation with 900 PSI. Drill and circulate to PBTD at 6,190'. Pump 10 bbls sweep and circulate clean. Pull out of hole with 55 jts tubing. Blow well down. Finish pulling out of hole with 134 jts 2 3/8" tubing, bit, and bit sub. Lay down bit and bit sub. Run in hole with mule shoe collar, 1 jt 2 3/8" tubing, 1.81 XN nipple, 166 jts 2 3/8" tubing with end of tubing at 5,298'. Rig up Schlumberger. Pick up and run in hole with CCL, Gamma ray tool, could not get through tubing at 5,262'. Pull out of hole with Schlumberger. Pull out of hole with 167 jts tubing and bottom hole assembly. Run in hole with CCL, Gamma ray tool to 5,900' and log to 5,300'. Showed tracer sand in both zones. Pull out of hole. Rig down Schlumberger and run in hole with 187 jts and bottom hole assembly. Land tubing on hanger with nipple at 5,865'. End of tubing at 5,989'. Nipple up BOP. Nipple up wellhead. Rig down rig. Fluid level on first run was at 4,200'. Made a total of 24 swab runs and well flowed for 35 minutes. Fluid level on last run was at 5,600'. Swabbed back 40 bbls total fluid. Rig up swab rig. Fluid level was at 4,700'. Made 2 runs and well flowed. Swabbed back 8 bbls fluid. Had hole in production lines. Shut-in well to repair lines.

5/01/2000

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

Name (Printed/Typed) SUSAN H. SACHITANA	Title REGULATORY REPORTS ADMINISTRATOR
Signature <i>Susan Sachitana</i>	Date 20000330

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1601, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious statements or representations as to any matter within its jurisdiction.

RECEIVED

JUN 07 2000

DIVISION OF  
OIL, GAS AND MINING

**OPERATOR CHANGE WORKSHEET**

<input type="checkbox"/>	4-KAS <input checked="" type="checkbox"/>
2-CDW <input checked="" type="checkbox"/>	5-SJ <input checked="" type="checkbox"/>
3-JLT	6-FILE

Check each listed item when completed. Write N/A if item is not applicable.

Change of Operator (Well Sold)                      Designation of Agent  
**X Operator Name Change Only**                      Merger

The operator of the well(s) listed below has changed, effective: 4-12-00

**TO:**(New Operator) DOMINION EXPL & PROD INC.  
 Address: 1450 POYDRAS STREET  
NEW ORLEANS, LA 70112-6000  
 Phone: 1-(504)-593-7000  
 Account No. N1095

**FROM:**(Old Operator) CNG PRODUCING COMPANY  
 Address: 1450 POYDRAS STREET  
NEW ORLEANS, LA 70112-6000  
 Phone: 1-(504)-593-7000  
 Account No. N0605

WELL(S):	CA Nos.	or	RIVER BEND	Unit
Name: <u>RBU 10-11D</u>	API: <u>43-047-31357</u>	Entity: <u>7053</u>	S 11 T 10S R 18E	Lease: <u>U-013429-A</u>
Name: <u>RBU 8-11D</u>	API: <u>43-047-31358</u>	Entity: <u>7054</u>	S 11 T 10S R 18E	Lease: <u>U-013429-A</u>
Name: <u>RBU 8-10D</u>	API: <u>43-047-31364</u>	Entity: <u>4955</u>	S 10 T 10S R 18E	Lease: <u>U-013429-A</u>
Name: <u>RBU 3-13E</u>	API: <u>43-047-31369</u>	Entity: <u>7050</u>	S 13 T 10S R 19E	Lease: <u>U-013765</u>
Name: <u>RBU 16-3E</u>	API: <u>43-047-31518</u>	Entity: <u>7050</u>	S 03 T 10S R 19E	Lease: <u>U-035316</u>
Name: <u>RBU 11-11F</u>	API: <u>43-047-31519</u>	Entity: <u>7050</u>	S 11 T 10S R 20E	Lease: <u>U-7206</u>
Name: <u>RBU 1-17F</u>	API: <u>43-047-31520</u>	Entity: <u>7050</u>	S 17 T 10S R 20E	Lease: <u>U-013769-B</u>
Name: <u>RBU 15-3D</u>	API: <u>43-047-31539</u>	Entity: <u>9965</u>	S 03 T 10S R 18E	Lease: <u>U-013820</u>
Name: <u>RBU 9-13E</u>	API: <u>43-047-31605</u>	Entity: <u>7050</u>	S 13 T 10S R 19E	Lease: <u>U-013765</u>
Name: <u>RBU 3-22E</u>	API: <u>43-047-31606</u>	Entity: <u>7050</u>	S 22 T 10S R 19E	Lease: <u>U-013792</u>
Name: <u>RBU 8-24E</u>	API: <u>43-047-31607</u>	Entity: <u>7050</u>	S 24 T 10S R 19E	Lease: <u>U-013794</u>
Name: <u>RBU 15-18F</u>	API: <u>43-047-31608</u>	Entity: <u>7050</u>	S 18 T 10S R 20E	Lease: <u>U-013794</u>
Name: <u>RBU 5-11F</u>	API: <u>43-047-31613</u>	Entity: <u>7050</u>	S 11 T 10S R 20E	Lease: <u>U-7206</u>
Name: <u>RBU 8-16F</u>	API: <u>43-047-31614</u>	Entity: <u>11617</u>	S 16 T 10S R 20E	Lease: <u>U-7206</u>
Name: <u>RBU 4-22F</u>	API: <u>43-047-31615</u>	Entity: <u>7050</u>	S 22 T 10S R 20E	Lease: <u>U-0143521A</u>
Name: <u>RBU 12-12D</u>	API: <u>43-047-31651</u>	Entity: <u>10688</u>	S 12 T 10S R 18E	Lease: <u>U-013821-A</u>
Name: <u>RBU 6-17E</u>	API: <u>43-047-31652</u>	Entity: <u>7050</u>	S 17 T 10S R 19E	Lease: <u>U-03505</u>

**OPERATOR CHANGE DOCUMENTATION**

- YES 1. A pending operator change file has been set up.
- YES 2. (R649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator on 6-29-00.
- YES 3. (R649-8-10) Sundry or other legal documentation has been received from the **NEW** operator on 6-29-00.
- YES 4. The new company has been looked up in the **Department of Commerce, Division of Corporations Database** if the new operator above is not currently operating any wells in Utah. Is the operator registered with the State? **Yes/No** If yes, the company file number is SEE ATTACHED. If no, Division letter was mailed to the new operator on \_\_\_\_\_.

- YES 5. **Federal and Indian Lease Wells.** The BLM or the BIA has approved the merger, name change or operator change for all wells listed above involving Federal or Indian leases on 6-2-00.
- N/A 6. **Federal and Indian Units.** The BLM or the BIA has approved the successor of unit operator for all wells listed above involving unit operations on \_\_\_\_\_.
- N/A 7. **Federal and Indian Communitization Agreements ("CA").** The BLM or the BIA has approved the operator change for all wells listed above involved in the CA on \_\_\_\_\_.
- N/A 8. **Underground Injection Control ("UIC") Program.** The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project and/or for the water disposal well(s) listed above.
- YES 9. Changes have been entered in the **Oil and Gas Information System** for each well listed on 7-27-00.
- YES 10. Changes have been included on the **Monthly Operator Change letter** on 7-27-00.

**STATE BOND VERIFICATION**

- N/A 1. State Well(s) covered by Bond No. \_\_\_\_\_.

**FEE WELLS - BOND VERIFICATION / LEASE INTEREST OWNER NOTIFICATION**

- N/A 1. (R649-3-1) The **NEW** operator of any fee lease well(s) listed above has furnished a proper bond.
- N/A 2. A **copy of this form** has been placed in the **new and former operator's bond files** on \_\_\_\_\_.
- N/A 3. The **FORMER** operator has requested a release of liability from their bond as of todays date \_\_\_\_\_? If yes, Division response was made to this request by letter dated \_\_\_\_\_ (see bond file).
- N/A 4. (R649-2-10) The **Former** operator of any Fee lease wells listed above has been contacted and informed by letter dated \_\_\_\_\_, of their responsibility to notify all interest owners of this change.
- N/A 5. Bond information added to **RBDMS** on \_\_\_\_\_.
- N/A 6. Fee wells attached to bond in **RBDMS** on \_\_\_\_\_.

**FILMING**

- \_\_\_\_ 1. All attachments to this form have been **microfilmed** on 2.22.01.

**FILING**

- \_\_\_\_ 1. **Originals/Copies** of all attachments pertaining to each individual well have been filed in each **well file**.
- \_\_\_\_ 2. The **original of this form** has been filed in the operator file and a copy in the old operator file.

**COMMENTS**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
U-0143521-A

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well  
 Oil Well  Gas Well  Other

8. Well Name and No.  
RBU 4-22F

2. Name of Operator  
DOMINION EXPL. & PROD., INC. Contact: CARLA CHRISTIAN  
E-Mail: Carla\_M\_Christian@dom.com

9. API Well No.  
43-047-31615

3a. Address  
14000 QUAIL SPRINGS PARKWAY, SUITE 600  
OKLAHOMA CITY, OK 73134

3b. Phone No. (include area code)  
Ph: 405.749.5263  
Fx: 405.749.6690

10. Field and Pool, or Exploratory  
NATURAL BUTTES

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 22 T10S R20E NWNW 891FNL 1164FWL

11. County or Parish, and State  
UINTAH COUNTY, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input checked="" type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Dominion request permission to Temporarily Abandon the RBU 4-22F.

**RECEIVED**

**THIS SUNDRY IS BEING RETURNED; INSUFFICIENT DATA WAS SUBMITTED TO APPROVE THE REQUESTED ACTION.**  
The well has been nonactive or nonproductive for 3 years 9 months. In accordance with R649-3-36, a sundry notice shall be filed indicating the reasons and length of time for the well shut-in or temporary abandonment and a demonstration of the well's integrity; evidence that the well is not a risk to public health and safety or the environment.

*Federal Approval of this Action is Necessary*

*Debbie Duff*  
DIV. OF OIL, GAS & MINING  
April 14, 2004  
Utah Division of Oil, Gas and Mining

14. I hereby certify that the foregoing is true and correct.  
**Electronic Submission #28688 verified by the BLM Well Information System For DOMINION EXPL. & PROD., INC., sent to the Vernal**

Name (Printed/Typed) CARLA CHRISTIAN	Title AUTHORIZED REPRESENTATIVE
Signature <i>Carla Christian</i> (Electronic Submission)	Date 03/09/2004

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By _____	Title COPY SENT TO OPERATOR	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Date: <u>4-15-04</u> Initials: <u>CHD</u>	
	Office	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

Form 3160-5  
(August 1999)  
**RECEIVED**  
**JUL 16 2004**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

5. Lease Serial No. U-0143521-A
6. If Indian, Allottee or Tribe Name
7. If Unit or CA/Agreement, Name and/or No.
8. Well Name and No. RBU 4-22F
9. API Well No. 43-047-31615
10. Field and Pool, or Exploratory NATURAL BUTTES
11. County or Parish, and State UINTAH COUNTY, UT

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	
2. Name of Operator DOMINION EXPL. & PROD., INC.	Contact: CARLA CHRISTIAN E-Mail: Carla_M_Christian@dom.com
3a. Address 14000 QUAIL SPRINGS PARKWAY, SUITE 600 OKLAHOMA CITY, OK 73134	3b. Phone No. (include area code) Ph: 405.749.5263 Fx: 405.749.6690
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 22 T10S R20E NWNW 891FNL 1164FWL	

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input checked="" type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Dominion request permission to TA the RBU 4-22F, for possible future use as a disposal well. Per Dustin Doucet the following procedure was followed: 6/26/04 set CIBP @ 5,500'. 6/30/04 RU hot oiler w/chart recorder. Pressure tested csg. & CIBP to 520#, held for 45 min., tested ok., see chart enclosed.

This well has been nonactive or nonproductive for 4 year 2 months. In accordance with R649-3-36, integrity and good cause have been shown for an extension of shut-in time until September 1, 2005, at which time the operator may apply for an extension. The operator should continue with a monitoring schedule - (Fluid level and pressure measurements)

~~Federal Approval of This Action is Necessary~~

ACCEPTED BY: [Signature] August 20, 2004  
Utah Division of Oil, Gas and Mining

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #32928 verified by the BLM Well Information System For DOMINION EXPL. &amp; PROD., INC., sent to the Vernal</b>	
Name (Printed/Typed) CARLA CHRISTIAN	Title AUTHORIZED REPRESENTATIVE
Signature <u>Carla Christian</u> (Electronic Submission)	Date 07/12/2004

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By: _____	Title <b>COPY SENT TO OPERATOR</b>	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Date: <u>8-25-04</u> Initials: <u>CHD</u>	
	Office	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

PRINTED IN U.S.A.

FIRST DAY

NIGHT

START →

SECOND

THIRD

FOURTH

FIFTH

SIXTH

EIGHTH

SEVENTH

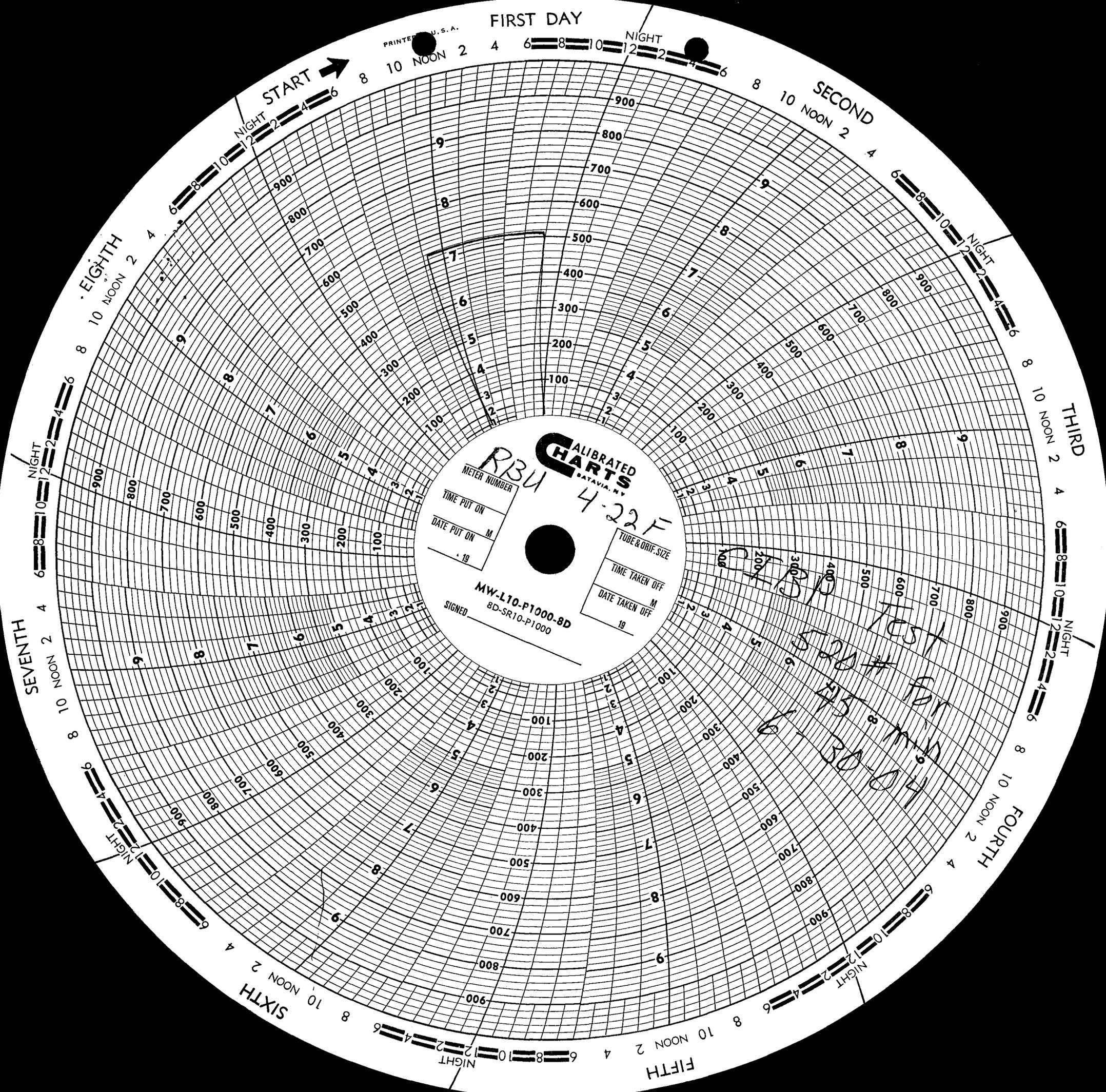
METER NUMBER  
 TIME PUT ON  
 DATE PUT ON

MW-L10-P1000-8D  
 8D-SR10-P1000  
 SIGNED

TUBE & DRIF. SIZE  
 TIME TAKEN OFF  
 DATE TAKEN OFF

RBU  
 CALIBRATED CHARTS  
 BATAVIA, N.Y.  
 4-22 F

Handwritten notes and scribbles, including "3000" and "4000" written vertically.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires: November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

*SUBMIT TO BUREAU OFFICE INSTRUCTIONS ON REVERSE SIDE*

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
 Dominion Exploration & Production, Inc.

3a. Address  
 14000 Quail Springs Pkwy, Ste 600, OKC, OK 73134

3b. Phone No. (include area code)  
 (405) 749-5237

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 891' FNL & 1164' FWL, Sec. 22-10S-20E

5. Lease Serial No.  
 BIA 14-20-H62-2647

6. If Indian, Allottee or Tribe Name  
 Ute Tribe

7. If Unit or CA/Agreement, Name and/or No.  
 River Bend Unit

8. Well Name and No.  
 RBU 4-22F

9. API Well No.  
 43-047-31615

10. Field and Pool, or Exploratory Area  
 Natural Buttes

11. County or Parish, State  
 Uintah, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input checked="" type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomplate in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Dominion requests to convert well to saltwater disposal well per attached procedure.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY**

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

Name (Printed/Typed) **Barbara Lester** Title **Regulatory Specialist**

Signature *Barbara Lester* Date **3/14/2007**

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Office \_\_\_\_\_

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**RECEIVED**  
**MAR 19 2007**

DIV. OF OIL, GAS & MINING

## **RBU 4-22F**

### **Convert to Salt Water Disposal Procedure**

1. Rig up workover rig and move in frac tank with 2% KCl water.
2. Nipple down tree and nipple up BOP's.
3. RIH with 2-3/8" workstring and spot 12 sx (106') of Class G cement on top of CIBP at 5550' (meets BLM and State of Utah requirements for abandoning the Wasatch perforations).
4. Wait for cement to set up.
5. RU electric line unit. Perforate 3898' - 3926', 4SPF, 0.50" holes, with 4" guns. Record static surface pressure in daily report. RD electric line.
6. Run Weatherford Arrowset 1-X nickel coated injection packer on internally coated 2-3/8" tubing and set packer at 3814' (must be within 100' of top perf). Nipple down BOP's and nipple up tree for injection.
7. Swab test. Catch a sample for water analysis at end of test and send to Schlumberger lab for complete water analysis.
8. Perform four point injection test at  $\frac{1}{4}$ ,  $\frac{1}{2}$ ,  $\frac{3}{4}$ , and 1 BPM to obtain corresponding surface injection pressures.
9. Hook up surface equipment.
10. Pump 4,000 gallons 15% HCl acid via 2-3/8" injection tubing
11. Pump 400 bbl clean, filtered produced water
12. Put well on injection after permit is received

# DOMINION EXPLORATION & PRODUCTION, Inc.

## RIVER BEND UNIT 4-22F

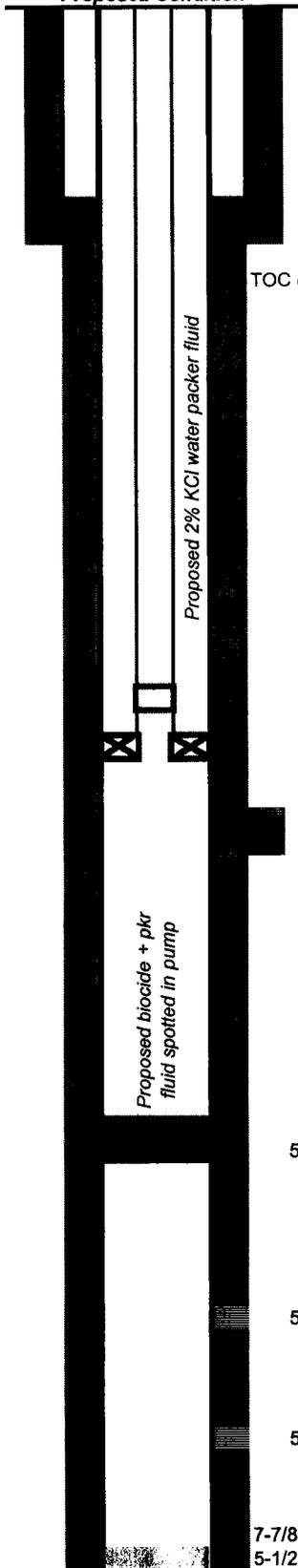
SPUDDED: 7/3/1985  
COMPLETED: 9/14/1985

891' FNL & 1164' FWL, Section 22-T10S-R20E, Uintah Co., Utah  
API: 43-047-31615

Datum: KB 11' AGL  
KBE: 5,092'  
GLE: 5,081'

### Proposed SWD Conversion

*Proposed Condition*



**NOTE: Unless Stated All Depths  
are Measured.  
NOT DRAWN TO SCALE**

12-1/4" Bit Size  
8-5/8", 24#, K-55 @374' Cemented w/190 sx Class G, Topped backside w/40 sx Class G

TOC @ 300' ( Schlumberger CBL) 08/31/2006

Proposed 2% KCl water packer fluid

Proposed 2-3/8", 4.7#, N80, 8rd, internally coated tubing (1.73" ID) with X' profile nipple @ 3801'  
Proposed 5-1/2" Weatherford Arrowset 1-X nickel coated packer with "C" valve and On/Off tool @ 3814'  
EOT @ 3814'

Green River Brown zone  
Proposed perfs: 3898' - 3926', 28', 4 spf, 90 deg ph, 0.50" dia, 112 shots

Proposed Cement for all Plugs:

Class G  
15.8 ppg  
1.15ft<sup>3</sup>/sx

Proposed biocide + pkr  
fluid spotted in pump

Proposed PBTD 5,444'  
Proposed 12 sx cmt spotted on top via tbg (State of Utah requires a minimum of 100'  
of cmt fill on top of CIBP)

5K CIBP @ 5,550' (06/26/2004)

5,606' - 5,626' (22 shots)

5,872' - 5,880' (18 shots)

7-7/8" Bit Size  
5-1/2", 17#, N-80 & K-55 LT&C @ 6,228' Cemented with 833 sx

LTD: 6,224'  
DTD: 6,250'

# Dominion Exploration & Production

## RIVERBEND UNIT 4-22F

Present Condition

WELL: RBU 4-22F	SPUD DATE: 7/3/85	LEASE: 3863
COUNTY: Uintah	RR DATE: 7/23/1985	FIELD: Natural Buttes
STATE: UT	COMP DATE: 9/14/1985	LOCATION: Sec. 22, T-10-S, R-20-E
API #: 43-047-31615	DEPI WI: 100%	FORMATION: Wasatch
TD: 6,250'	PBTD: 6,190'	ELEVATION: 5,092' KB

8-5/8", 24#, K-55 @ 374'

TOC @ 300' (CBL)

### CASING RECORD

#### SURFACE CASING

O.D.	WT./FT.	GRADE	THD	TOP	BTM	NO. JTS.	BIT SZ.	SX CMT.	TOP CMT.
8.625"	24#	K-55	ST&C	SURF	374'	9	12.250"	190	* SURF
* Topped backside w/ 40 sx. Cmt. @ surf.									

O.D.	WT./FT.	GRADE	THD	TOP	BTM	NO. JTS.	BIT SZ.	SX CMT.	TOP CMT.
5.500"	17.00#	N-80	LT&C	SURF	1,614'	35	7.875"	833	* 1,250'
		K-55	LT&C	1,614'	6,233'	118			
* Temperature Survey									

### TUBING

O.D.	WT./FT.	GRADE	THD	TOP	BTM	NO. JTS.	BIT SZ.

### PERFORATION RECORD

DATE	TOP	BOTTOM	SPF	ZONE	STATUS
08/15/85	5,872'	5,880'	2	1	T/A
08/20/85	5,606'	5,626'	1	2	T/A

### WELL HISTORY

**07/03/85** Spud Well

**08/15/85** Frac'd Interval 1(5,872'-80') w/ 23,833 gals. N2 foam w/ 43,230# 16/30 sand.

**08/16/85** Flow Test - 666 MCFD w/ 1,150# CP on 10/64 Choke

**08/23/85** Set Baker RBP @ 7,510'.

**08/24/85** Frac'd Interval 2 (5,606'-26') w/ 31,060 gals. N2 foam w/ 79,500# 16/30 sand.

**08/25/85** Flow Test - 854 MCFD w/ 1,000# CP on 12/64 Choke

**08/28/85** Retrieve Baker RBP.

**09/14/85** Flow Test - 1,409 MCFD w/ 1,650# TP on 12/64 Choke

**04/04/00** Fished stuck pkr. @ 5,683'. Set RBP @ 5,690'.

**04/05/00** Re-Frac'd Interval 2 (5,606'-26') w/ 211,660# 20/40 & 3,760# 14/40 Flex sand.

**04/25/00** Retrieve RBP.

**06/22/04** POOH LD tbg. Set CIBP @ 5,550'. Test csg. to 520# for 45 min. OK.

**08/30/06** Ran CBL. Found cement top behind 5-1/2" @ 300'.

CIBP @ 5,550'

5,606' - 5,626' (22 shots)

5,872' - 5,880' (18 shots)

5-1/2", 17#, N-80 & K-55 LT&C @ 6,228'

TD: 6,250'

### TUBULAR GOODS PERFORMANCE

Material	ID (in)	Drift (in)	Collapse* (psi)	Burst* (psi)	Tensile (lbs)
8-5/8", 24#, K-55 ST&C	8.097	7.972	1,370	2,950	263,000
5-1/2", 17#, N-80 LT&C	4.892	4.767	6,280	7,740	348,000
5-1/2", 17# K-55 LT&C	4.892	4.767	4,910	5,320	272,000

\* Safety factor not included.

### CAPACITIES

Tubular Cap.	(bbl/ft)	(cf/ft)
8.625" Casing	.06360	0.3575
5.5" Casing	.02320	0.1305

Prepared By: Mark Timmons  
 Date: 8/17/2006  
 Office #: (405) 749-3420

**Division of Oil, Gas and Mining**  
**OPERATOR CHANGE WORKSHEET**

<b>ROUTING</b>
1. DJJ
2. CDW

**X - Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

7/1/2007

<b>FROM:</b> (Old Operator): N1095-Dominion Exploration & Production, Inc 14000 Quail Springs Parkway, Suite 600 Oklahoma City, OK 73134  Phone: 1 (405) 749-1300	<b>TO:</b> ( New Operator): N2615-XTO Energy Inc 810 Houston St Fort Worth, TX 76102  Phone: 1 (817) 870-2800
--	--

WELL NAME	CA No.	SEC	TWN	RNG	Unit:	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED LIST										

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 8/6/2007
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 8/6/2007
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 8/6/2007
- a. Is the new operator registered in the State of Utah: Business Number: 5655506-0143
- b. If **NO**, the operator was contacted on: \_\_\_\_\_
- a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
- b. Inspections of LA PA state/fee well sites complete on: n/a
- c. Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: \_\_\_\_\_
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: \_\_\_\_\_
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: \_\_\_\_\_

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 9/27/2007
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 9/27/2007
- Bond information entered in RBDMS on: 9/27/2007
- Fee/State wells attached to bond in RBDMS on: 9/27/2007
- Injection Projects to new operator in RBDMS on: 9/27/2007
- Receipt of Acceptance of Drilling Procedures for APD/New on: 9/27/2007

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: UTB000138
- Indian well(s) covered by Bond Number: n/a
- a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 104312762
- b. The **FORMER** operator has requested a release of liability from their bond on: 1/23/2008  
The Division sent response by letter on: \_\_\_\_\_

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: \_\_\_\_\_

**COMMENTS:**

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

		5. LEASE DESIGNATION AND SERIAL NUMBER:
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		8. WELL NAME and NUMBER: <b>SEE ATTACHED</b>
2. NAME OF OPERATOR: <b>XTO Energy Inc.</b>		9. API NUMBER: <b>SEE ATTACHED</b>
3. ADDRESS OF OPERATOR: <b>810 Houston Street</b> CITY <b>Fort Worth</b> STATE <b>TX</b> ZIP <b>76102</b>		10. FIELD AND POOL, OR WILDCAT: <b>Natural Buttes</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>SEE ATTACHED</b>		COUNTY: <b>Uintah</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		STATE: <b>UTAH</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
Effective July 1, 2007, XTO Energy Inc. has purchased the wells listed on the attachment from:

Dominion Exploration & Production, Inc. **N1095**  
14000 Quail Springs Parkway, Suite 600  
Oklahoma City, OK 73134

**James D. Abercrombie** (405) 749-1300  
James D. Abercrombie  
Sr. Vice President, General Manager - Western Business Unit

Please be advised that XTO Energy Inc. is considered to be the operator on the attached list and is responsible under the terms and conditions of the lease for the operations conducted upon the lease lands. Bond coverage is provided by Nationwide BLM Bond #104312750 and Department of Natural Resources Bond #104312762.

NAME (PLEASE PRINT) <u>Edwin S. Ryan, Jr.</u>	TITLE <u>Sr. Vice President - Land Administration</u>
SIGNATURE <u><i>Edwin S. Ryan, Jr.</i></u>	DATE <u>7/31/2007</u>

(This space for State use only)

**APPROVED** 9127107  
**Earlene Russell**  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

**RECEIVED**  
**AUG 06 2007**  
**DIV. OF OIL, GAS & MINING**

N1095 DOMINION E and P, INC. to N2615 XTO ENERGY, INC.

RIVER BEND UNIT

api	well_name	qtr	qtr	sec	twp	rng	lease_num	entity	Lease	well	stat
4304730087	OSCU 2	NWSE	03	100S	200E	U-037164	7050	Federal	GW	P	
4304730266	RBU 11-18F	NESW	18	100S	200E	U-013793	7050	Federal	GW	P	
4304730374	RBU 11-13E	NESW	13	100S	190E	U-013765	7050	Federal	GW	P	
4304730375	RBU 11-15F	NESW	15	100S	200E	U-7206	7050	Federal	GW	P	
4304730376	RBU 7-21F	SWNE	21	100S	200E	U-013793-A	7050	Federal	GW	P	
4304730405	RBU 11-19F	NESW	19	100S	200E	U-013769-A	7050	Federal	GW	P	
4304730408	RBU 11-10E	NESW	10	100S	190E	U-013792	7050	Federal	GW	P	
4304730410	RBU 11-14E	NESW	14	100S	190E	U-013792	7050	Federal	GW	P	
4304730411	RBU 11-23E	NESW	23	100S	190E	U-013766	7050	Federal	GW	P	
4304730412	RBU 11-16F	NESW	16	100S	200E	U-7206	7050	Federal	GW	P	
4304730585	RBU 7-11F	SWNE	11	100S	200E	U-01790	7050	Federal	GW	P	
4304730689	RBU 11-3F	NESW	03	100S	200E	U-013767	7050	Federal	GW	P	
4304730720	RBU 7-3E	SWNE	03	100S	190E	U-013765	7050	Federal	GW	P	
4304730759	RBU 11-24E	NESW	24	100S	190E	U-013794	7050	Federal	GW	P	
4304730761	RBU 7-10F	SWNE	10	100S	200E	U-7206	7050	Federal	GW	P	
4304730762	RBU 6-20F	SENE	20	100S	200E	U-013793-A	7050	Federal	GW	P	
4304730768	RBU 7-22F	SWNE	22	100S	200E	14-20-H62-2646	7050	Indian	GW	P	
4304730887	RBU 16-3F	SESE	03	100S	200E	U-037164	7050	Federal	GW	P	
4304730915	RBU 1-15E	NENE	15	100S	190E	U-013766	7050	Federal	GW	P	
4304730926	RBU 1-14E	NENE	14	100S	190E	U-013792	7050	Federal	GW	P	
4304730927	RBU 1-22E	NENE	22	100S	190E	U-013792	7050	Federal	GW	P	
4304730970	RBU 1-23E	NENE	23	100S	190E	U-013766	7050	Federal	GW	P	
4304730971	RBU 4-19F	NWNW	19	100S	200E	U-013769-A	7050	Federal	GW	P	
4304730973	RBU 13-11F	SWSW	11	100S	200E	U-7206	7050	Federal	WD	A	
4304731046	RBU 1-10E	NWNE	10	100S	190E	U-013792	7050	Federal	GW	S	
4304731115	RBU 16-16F	SESE	16	100S	200E	U-7206	7050	Federal	GW	P	
4304731140	RBU 12-18F	NWSW	18	100S	200E	U-013793	7050	Federal	GW	P	
4304731141	RBU 3-24E	NENW	24	100S	190E	U-013794	7050	Federal	GW	P	
4304731143	RBU 3-23E	NENW	23	100S	190E	U-013766	7050	Federal	GW	P	
4304731144	RBU 9-23E	NESE	23	100S	190E	U-013766	7050	Federal	GW	P	
4304731145	RBU 9-14E	NESE	14	100S	190E	U-013792	7050	Federal	GW	P	
4304731160	RBU 3-15E	NENW	15	100S	190E	U-013766	7050	Federal	GW	P	
4304731161	RBU 10-15E	NWSE	15	100S	190E	U-013766	7050	Federal	GW	P	
4304731176	RBU 9-10E	NESE	10	100S	190E	U-013792	7050	Federal	GW	P	
4304731196	RBU 3-14E	SENE	14	100S	190E	U-013792	7050	Federal	GW	P	
4304731252	RBU 8-4E	SENE	04	100S	190E	U-013792	7050	Federal	GW	P	
4304731322	RBU 1-19F	NENE	19	100S	200E	U-013769-A	7050	Federal	GW	P	
4304731323	RBU 5-10E	SWNW	10	100S	190E	U-013792	7050	Federal	GW	P	
4304731369	RBU 3-13E	NENW	13	100S	190E	U-013765	7050	Federal	GW	P	
4304731518	RBU 16-3E	SESE	03	100S	190E	U-035316	7050	Federal	GW	P	
4304731519	RBU 11-11F	NESW	11	100S	200E	U-7206	7050	Federal	GW	P	
4304731520	RBU 1-17F	NENE	17	100S	200E	U-013769-B	7050	Federal	GW	P	
4304731605	RBU 9-13E	NESE	13	100S	190E	U-013765	7050	Federal	GW	P	
4304731606	RBU 3-22E	NENW	22	100S	190E	U-013792	7050	Federal	GW	P	
4304731607	RBU 8-24E	SENE	24	100S	190E	U-013794	7050	Federal	GW	P	
4304731608	RBU 15-18F	SWSE	18	100S	200E	U-013794	7050	Federal	GW	P	

N1095 DOMINION E and P, INC. to N2615 XTO ENERGY, INC.

RIVER BEND UNIT

api	well_name	qtr_qtr	sec	tpw	rng	lease_num	entity	Lease	well	stat
4304731613	RBU 5-11F	SWNW	11	100S	200E	U-7206	7050	Federal	GW	P
4304731615	RBU 4-22F	NWNW	22	100S	200E	U-0143521-A	7050	Federal	GW	S
4304731652	RBU 6-17E	SWNW	17	100S	190E	U-03535	7050	Federal	GW	P
4304731715	RBU 5-13E	SWNW	13	100S	190E	U-013765	7050	Federal	GW	P
4304731717	RBU 13-13E	SWSW	13	100S	190E	U-013765	7050	Federal	GW	P
4304731739	RBU 9-9E	NESE	09	100S	190E	U-03505	7050	Federal	GW	P
4304732033	RBU 13-14E	SWSW	14	100S	190E	U-013792	7050	Federal	GW	P
4304732037	RBU 11-3E	NESW	03	100S	190E	U-013765	7050	Federal	GW	P
4304732038	RBU 6-18F	SENE	18	100S	200E	U-013769	7050	Federal	GW	P
4304732040	RBU 15-24E	SWSE	24	100S	190E	U-013794	7050	Federal	GW	P
4304732041	RBU 5-14E	SWNW	14	100S	190E	U-013792	7050	Federal	GW	P
4304732050	RBU 12-20F	NWSW	20	100S	200E	U-0143520-A	7050	Federal	GW	P
4304732051	RBU 7-13E	SWNE	13	100S	190E	U-013765	7050	Federal	GW	P
4304732070	RBU 16-19F	SESE	19	100S	200E	U-013769-A	7050	Federal	WD	A
4304732071	RBU 9-22E	NESE	22	100S	190E	U-013792	7050	Federal	GW	P
4304732072	RBU 15-34B	SWSE	34	090S	190E	U-01773	7050	Federal	GW	P
4304732073	RBU 11-15E	NESW	15	100S	190E	U-013766	7050	Federal	GW	P
4304732074	RBU 13-21F	SWSW	21	100S	200E	U-0143520-A	7050	Federal	GW	P
4304732075	RBU 10-22F	NWSE	22	100S	200E	U-01470-A	7050	Federal	GW	P
4304732081	RBU 9-20F	NESE	20	100S	200E	U-0143520-A	7050	Federal	GW	P
4304732082	RBU 15-23E	SWSE	23	100S	190E	U-013766	7050	Federal	GW	P
4304732083	RBU 13-24E	SWSW	24	100S	190E	U-013794	7050	Federal	GW	P
4304732095	RBU 3-21E	NENW	21	100S	190E	U-013766	7050	Federal	GW	P
4304732103	RBU 15-17F	SWSE	17	100S	200E	U-013769-C	7050	Federal	GW	P
4304732105	RBU 13-19F	SWSW	19	100S	200E	U-013769-A	7050	Federal	GW	P
4304732107	RBU 1-21E	NENE	21	100S	190E	U-013766	7050	Federal	GW	P
4304732128	RBU 9-21E	NESE	21	100S	190E	U-013766	7050	Federal	GW	P
4304732129	RBU 9-17E	NESE	17	100S	190E	U-03505	7050	Federal	GW	P
4304732133	RBU 13-14F	SWSW	14	100S	200E	U-013793-A	7050	Federal	GW	P
4304732134	RBU 9-11F	NESE	11	100S	200E	U-7206	7050	Federal	GW	P
4304732138	RBU 5-21F	SWNW	21	100S	200E	U-013793	7050	Federal	GW	P
4304732146	RBU 1-20E	NENE	20	100S	190E	U-03505	7050	Federal	GW	P
4304732149	RBU 8-18F	SENE	18	100S	200E	U-013769	7050	Federal	GW	P
4304732153	RBU 13-23E	SWSW	23	100S	190E	U-13766	7050	Federal	GW	P
4304732154	RBU 5-24E	SWNW	24	100S	190E	U-013794	7050	Federal	GW	P
4304732156	RBU 5-14F	SWNW	14	100S	200E	U-013793A	7050	Federal	GW	P
4304732166	RBU 7-15E	SWNE	15	100S	190E	U-013766	7050	Federal	GW	P
4304732167	RBU 15-13E	SWSE	13	100S	190E	U-013765	7050	Federal	GW	P
4304732189	RBU 13-10F	SWSW	10	100S	200E	14-20-H62-2645	7050	Indian	GW	P
4304732190	RBU 15-10E	SWSE	10	100S	190E	U-013792	7050	Federal	GW	P
4304732191	RBU 3-17FX	NENW	17	100S	200E	U-013769-C	7050	Federal	GW	P
4304732197	RBU 13-15E	SWSW	15	100S	190E	U-013766	7050	Federal	GW	P
4304732198	RBU 7-22E	SWNE	22	100S	190E	U-013792	7050	Federal	GW	P
4304732199	RBU 5-23E	SWNW	23	100S	190E	U-013766	7050	Federal	GW	P
4304732201	RBU 13-18F	SWSW	18	100S	200E	U-013793	7050	Federal	GW	S
4304732211	RBU 15-15E	SWSE	15	100S	190E	U-013766	7050	Federal	GW	P

N1095 DOMINION E and P, INC. to N2615 XTO ENERGY, INC.

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api	well_name	qtr	qtr	sec	tpw	rng	lease_num	entity	Lease	well	stat
4304732213	RBW 5-19F	SWNW	19	100S	200E	U-013769-A	7050	Federal	GW	P	
4304732217	RBW 9-17F	NESE	17	100S	200E	U-013769-C	7050	Federal	GW	P	
4304732219	RBW 15-14E	SWSE	14	100S	190E	U-013792	7050	Federal	GW	P	
4304732220	RBW 5-3E	SWNW	03	100S	190E	U-03505	7050	Federal	GW	P	
4304732228	RBW 9-3E	NESE	03	100S	190E	U-035316	7050	Federal	GW	P	
4304732239	RBW 7-14E	SWNE	14	100S	190E	U-103792	7050	Federal	GW	P	
4304732240	RBW 9-14F	NESE	14	100S	200E	U-013793-A	7050	Federal	GW	P	
4304732242	RBW 5-22E	SWNW	22	100S	190E	U-013792	7050	Federal	GW	P	
4304732263	RBW 8-13E	SENE	13	100S	190E	U-013765	7050	Federal	GW	P	
4304732266	RBW 9-21F	NESE	21	100S	200E	U-0143520-A	7050	Federal	GW	P	
4304732267	RBW 5-10F	SWNW	10	100S	200E	U-7206	7050	Federal	GW	P	
4304732268	RBW 9-10F	NESE	10	100S	200E	U-7206	7050	Federal	GW	P	
4304732269	RBW 4-15F	NWNW	15	100S	200E	INDIAN	7050	Indian	GW	PA	
4304732270	RBW 14-22F	SESW	22	100S	200E	U-0143519	7050	Federal	GW	P	
4304732276	RBW 5-21E	SWNW	21	100S	190E	U-013766	7050	Federal	GW	P	
4304732289	RBW 7-10E	SWNE	10	100S	190E	U-013792	7050	Federal	GW	P	
4304732290	RBW 5-17F	SWNW	17	100S	200E	U-013769-C	7050	Federal	GW	P	
4304732293	RBW 3-3E	NENW	03	100S	190E	U-013765	7050	Federal	GW	P	
4304732295	RBW 13-22E	SWSW	22	100S	190E	U-013792	7050	Federal	GW	P	
4304732301	RBW 7-21E	SWNE	21	100S	190E	U-013766	7050	Federal	GW	P	
4304732309	RBW 15-21F	SWSE	21	100S	200E	U-0143520-A	7050	Federal	GW	P	
4304732310	RBW 15-20F	SWSE	20	100S	200E	U-0143520-A	7050	Federal	GW	P	
4304732312	RBW 9-24E	NESE	24	100S	190E	U-013794	7050	Federal	GW	P	
4304732313	RBW 3-20F	NENW	20	100S	200E	U-013793-A	7050	Federal	GW	P	
4304732315	RBW 11-21F	NESW	21	100S	200E	U-0143520-A	7050	Federal	GW	P	
4304732317	RBW 15-22E	SWSE	22	100S	190E	U-013792	7050	Federal	GW	P	
4304732328	RBW 3-19FX	NENW	19	100S	200E	U-013769-A	7050	Federal	GW	P	
4304732331	RBW 2-11F	NWNE	11	100S	200E	U-01790	7050	Federal	GW	P	
4304732347	RBW 3-11F	NENW	11	100S	200E	U-7206	7050	Federal	GW	P	
4304732391	RBW 2-23F	NWNE	23	100S	200E	U-013793-A	7050	Federal	GW	S	
4304732392	RBW 11-14F	NESW	14	100S	200E	U-013793-A	7050	Federal	GW	P	
4304732396	RBW 3-21F	NENW	21	100S	200E	U-013793-A	7050	Federal	GW	P	
4304732407	RBW 15-14F	SWSE	14	100S	200E	U-013793-A	7050	Federal	GW	P	
4304732408	RBW 4-23F	NWNW	23	100S	200E	U-013793-A	7050	Federal	GW	P	
4304732415	RBW 3-10EX (RIG SKID)	NENW	10	100S	190E	UTU-035316	7050	Federal	GW	P	
4304732483	RBW 5-24EO	SWNW	24	100S	190E	U-013794	11719	Federal	OW	S	
4304732512	RBW 8-11F	SENE	11	100S	200E	U-01790	7050	Federal	GW	P	
4304732844	RBW 15-15F	SWSE	15	100S	200E	14-20-H62-2646	7050	Indian	GW	P	
4304732899	RBW 3-14F	NENW	14	100S	200E	U-013793-A	7050	Federal	GW	P	
4304732900	RBW 8-23F	SENE	23	100S	200E	U-013793-A	7050	Federal	GW	P	
4304732901	RBW 12-23F	NWSW	23	100S	200E	U-01470-A	7050	Federal	GW	P	
4304732902	RBW 1-15F	NENE	15	100S	200E	U-7260	7050	Federal	GW	S	
4304732903	RBW 3-15F	NENW	15	100S	200E	U-7260	7050	Federal	GW	P	
4304732904	RBW 9-15F	NESE	15	100S	200E	U-7260	7050	Federal	GW	P	
4304732934	RBW 3-10F	NENW	10	100S	200E	U-7206	7050	Federal	GW	P	
4304732969	RBW 11-10F	NESW	10	100S	200E	U-7206	7050	Federal	GW	P	

N1095 DOMINION E and P, INC. to N2615 XTO ENERGY, INC.

RIVER BEND UNIT

api	well name	qtr	qtr	sec	twp	rng	lease num	entity	Lease	well	stat
4304732970	RBU 12-15F	NWSW	15	100S	200E	U-7206	7050	Federal	GW	P	
4304732971	RBU 15-16F	SWSE	16	100S	200E	U-7206	7050	Federal	GW	S	
4304732972	RBU 1-21F	NENE	21	100S	200E	U-013793-A	7050	Federal	GW	P	
4304732989	RBU 13-10E	SWSW	10	100S	190E	U-013792	7050	Federal	GW	P	
4304732990	RBU 13-18F2	SWSW	18	100S	200E	U-013793	7050	Federal	GW	P	
4304732991	RBU 6-19F	SENW	19	100S	200E	U-013769-A	7050	Federal	GW	P	
4304733033	RBU 7-23E	NWNE	23	100S	190E	U-013766	7050	Federal	GW	P	
4304733034	RBU 9-18F	NESE	18	100S	200E	U-013794	7050	Federal	GW	P	
4304733035	RBU 14-19F	SESW	19	100S	200E	U-013769-A	7050	Federal	GW	P	
4304733087	RBU 6-23F	SENW	23	100S	200E	U-013793-A	7050	Federal	GW	P	
4304733088	RBU 1-10F	NENE	10	100S	200E	U-7206	7050	Federal	GW	P	
4304733089	RBU 8-22F	SENE	22	100S	200E	U-0143521	7050	Federal	GW	P	
4304733090	RBU 11-22F	NESW	22	100S	200E	U-0143519	7050	Federal	GW	P	
4304733091	RBU 16-22F	SESE	22	100S	200E	U-01470-A	7050	Federal	GW	P	
4304733156	RBU 4-14E	NWNW	14	100S	190E	U-013792	7050	Federal	GW	P	
4304733157	RBU 7-19F	SWNE	19	100S	200E	U-013769-A	7050	Federal	GW	P	
4304733158	RBU 7-20F	SWNE	20	100S	200E	U-013793-A	7050	Federal	GW	P	
4304733159	RBU 7-24E	SWNE	24	100S	190E	U-013794	7050	Federal	GW	P	
4304733160	RBU 8-15E	SENE	15	100S	190E	U-013766	7050	Federal	GW	P	
4304733161	RBU 16-10E	SESE	10	100S	190E	U-013792	7050	Federal	GW	P	
4304733194	RBU 2-14E	NWNE	14	100S	190E	U-013792	7050	Federal	GW	P	
4304733272	RBU 13-3F	SWSW	03	100S	200E	U-013767	7050	Federal	GW	P	
4304733361	RBU 5-3F	SWNW	03	100S	200E	U-013767	7050	Federal	GW	P	
4304733362	RBU 15-10F	SWSE	10	100S	200E	U-7206	7050	Federal	GW	P	
4304733363	RBU 5-16F	SWNW	16	100S	200E	U-7206	7050	Federal	GW	P	
4304733365	RBU 12-14E	NWSW	14	100S	190E	U-013792	7050	Federal	GW	P	
4304733366	RBU 5-18F	SWNW	18	100S	200E	U-013769	7050	Federal	GW	P	
4304733367	RBU 10-23F	NWSE	23	100S	200E	U-01470-A	7050	Federal	GW	P	
4304733368	RBU 14-23F	SESW	23	100S	200E	U-01470-A	7050	Federal	GW	S	
4304733424	RBU 5-20F	SWNW	20	100S	200E	U-013793-A	7050	Federal	GW	P	
4304733643	RBU 2-13E	NWNE	13	100S	190E	U-013765	7050	Federal	GW	P	
4304733644	RBU 4-13E	NWNW	13	100S	190E	U-013765	7050	Federal	GW	P	
4304733714	RBU 4-23E	NWNW	23	100S	190E	U-013766	7050	Federal	GW	P	
4304733715	RBU 6-13E	SENW	13	100S	190E	U-013765	7050	Federal	GW	P	
4304733716	RBU 10-14E	NWSE	14	100S	190E	U-013792	7050	Federal	GW	P	
4304733838	RBU 8-10E	SENE	10	100S	190E	U-013792	7050	Federal	GW	P	
4304733839	RBU 12-23E	NWSW	23	100S	190E	U-013766	7050	Federal	GW	P	
4304733840	RBU 12-24E	NWSW	24	100S	190E	U-013794	7050	Federal	GW	P	
4304733841	RBU 14-23E	SESW	23	100S	190E	U-013766	7050	Federal	GW	P	
4304734302	RBU 1-23F	NENE	23	100S	200E	UTU-013793-A	7050	Federal	GW	P	
4304734661	RBU 16-15E	SESE	15	100S	190E	U-013766	7050	Federal	GW	P	
4304734662	RBU 10-14F	NWSE	14	100S	200E	U-013793-A	7050	Federal	GW	P	
4304734663	RBU 6-14E	SENW	14	100S	190E	U-013792	7050	Federal	GW	P	
4304734670	RBU 8-23E	NENE	23	100S	190E	U-013766	7050	Federal	GW	P	
4304734671	RBU 4-24E	NENE	23	100S	190E	U-013766	7050	Federal	GW	P	
4304734701	RBU 12-11F	SENW	11	100S	200E	U-7206	7050	Federal	GW	P	

N1095 DOMINION E and P, INC. to N2615 XTO ENERGY, INC.

RIVER BEND UNIT

api	well_name	qtr_qtr	sec	twp	rng	lease_num	entity	Lease	well	stat
4304734702	RBU 2-15E	NWNE	15	100S	190E	U-013766	7050	Federal	GW	P
4304734703	RBU 4-17F	NWNW	17	100S	200E	U-013769-C	7050	Federal	GW	P
4304734745	RBU 10-20F	NESE	20	100S	200E	U-0143520-A	7050	Federal	GW	P
4304734749	RBU 7-18F	SWNE	18	100S	200E	U-013769	7050	Federal	GW	P
4304734750	RBU 12-10F	SWSW	10	100S	200E	14-20-H62-2645	7050	Indian	GW	P
4304734810	RBU 10-13E	NWSE	13	100S	190E	U-013765	7050	Federal	GW	P
4304734812	RBU 1-24E	NENE	24	100S	190E	U-013794	7050	Federal	GW	P
4304734826	RBU 12-21F	NESE	20	100S	200E	U-0143520-A	7050	Federal	GW	P
4304734828	RBU 4-15E	NWNW	15	100S	190E	U-013766	7050	Federal	GW	P
4304734844	RBU 14-14E	SESW	14	100S	190E	U-013792	7050	Federal	GW	P
4304734845	RBU 10-24E	NWSE	24	100S	190E	U-013794	7050	Federal	GW	P
4304734888	RBU 4-21E	NWNW	21	100S	190E	U-013766	7050	Federal	GW	P
4304734889	RBU 16-24E	SESE	24	100S	190E	U-13794	7050	Federal	GW	P
4304734890	RBU 12-18F2	NWSW	18	100S	200E	U-013793	7050	Federal	GW	P
4304734891	RBU 10-23E	NESW	23	100S	190E	U-013766	7050	Federal	GW	P
4304734892	RBU 8-22E	SENE	22	100S	190E	U-013792	7050	Federal	GW	P
4304734906	RBU 6-22E	SENE	22	100S	190E	U-013792	7050	Federal	GW	P
4304734907	RBU 2-24E	NWNE	24	100S	190E	U-013794	7050	Federal	GW	P
4304734910	RBU 4-16F	NWNW	16	100S	200E	U-7206	7050	Federal	GW	P
4304734911	RBU 12-19F	NWSW	19	100S	200E	U-013769-A	7050	Federal	GW	P
4304734912	RBU 14-20F	SESW	20	100S	200E	U-0143520-A	7050	Federal	GW	P
4304734942	RBU 1-22F	NWNW	23	100S	200E	U-013793-A	7050	Federal	GW	P
4304734945	RBU 8-19F	SENE	19	100S	200E	U-013769-A	7050	Federal	GW	P
4304734946	RBU 8-20F	SENE	20	100S	200E	U-013793-A	7050	Federal	GW	P
4304734962	RBU 12-17F	NWSW	17	100S	200E	U-013769-C	7050	Federal	GW	P
4304734963	RBU 2-17F	NWNE	17	100S	200E	U-013769-C	14117	Federal	GW	P
4304734966	RBU 14-18F	SESW	18	100S	200E	U-013793	7050	Federal	GW	P
4304734967	RBU 10-18F	NWSE	18	100S	200E	U-013794	7050	Federal	GW	P
4304734968	RBU 10-19F	NWSE	19	100S	200E	U-013769-A	7050	Federal	GW	P
4304734969	RBU 10-3E	NWSE	03	100S	190E	U-035316	7050	Federal	GW	P
4304734970	RBU 12-3E	NWSW	03	100S	190E	U-013765	7050	Federal	GW	P
4304734971	RBU 15-3E	SWSE	03	100S	190E	U-35316	7050	Federal	GW	P
4304734974	RBU 12-10E	NWSW	10	100S	190E	U-013792	14025	Federal	GW	P
4304734975	RBU 14-10E	NENW	15	100S	190E	U-013766	7050	Federal	GW	P
4304734976	RBU 16-13E	SESE	13	100S	190E	U-013765	7050	Federal	GW	P
4304734977	RBU 8-14E	SENE	14	100S	190E	U-013792	7050	Federal	GW	P
4304734978	RBU 6-15E	SENE	15	100S	190E	U-013766	7050	Federal	GW	P
4304734979	RBU 12-15E	NWSW	15	100S	190E	U-013766	7050	Federal	GW	P
4304734981	RBU 16-17E	SESE	17	100S	190E	U-013766	7050	Federal	GW	P
4304734982	RBU 8-21E	SENE	21	100S	190E	U-013766	7050	Federal	GW	P
4304734983	RBU 4-22E	NWNW	22	100S	190E	U-013792	7050	Federal	GW	P
4304734986	RBU 2-20F	NWNE	20	100S	200E	U-03505	7050	Federal	GW	P
4304734987	RBU 9-20E	SWNW	21	100S	190E	U-03505	7050	Federal	GW	P
4304734989	RBU 7-20E	NENE	20	100S	190E	U-03505	7050	Federal	GW	P
4304734990	RBU 8-20E	SWNW	21	100S	190E	U-03505	14164	Federal	GW	P
4304735041	RBU 16-23E	SWSE	23	100S	190E	U-013766	7050	Federal	GW	P

## N1095 DOMINION E and P, INC. to N2615 XTO ENERGY, INC.

## RIVER BEND UNIT

api	well_name	qtr_qtr	sec	twp	rng	lease_num	entity	Lease	well	stat
4304735042	RBU 12-22E	NWSW	22	100S	190E	U-013792	14165	Federal	GW	P
4304735058	RBU 7-23F	SWNE	23	100S	200E	U-013793-A	7050	Federal	GW	P
4304735059	RBU 12-13E	NWSW	13	100S	190E	U-013765	7050	Federal	GW	P
4304735060	RBU 14-13E	SESW	13	100S	190E	U-013765	7050	Federal	GW	P
4304735061	RBU 2-22E	NWNE	22	100S	190E	U-013792	7050	Federal	GW	P
4304735062	RBU 6-24E	SESW	24	100S	190E	U-013794	7050	Federal	GW	P
4304735082	RBU 4-17E	NWNW	17	100S	190E	U-03505	7050	Federal	GW	P
4304735086	RBU 16-14E	NENE	23	100S	190E	U-013792	7050	Federal	GW	P
4304735087	RBU 2-3E	NWNE	03	100S	190E	U-013765	7050	Federal	GW	P
4304735088	RBU 6-3E	SESW	03	100S	190E	U-03505	7050	Federal	GW	P
4304735100	RBU 10-10E	NWSE	10	100S	190E	U-013792	7050	Federal	GW	P
4304735101	RBU 16-22E	SESE	22	100S	190E	U-013792	7050	Federal	GW	P
4304735112	RBU 14-24E	SESW	24	100S	190E	U-013794	7050	Federal	GW	P
4304735129	RBU 6-21F	SESW	21	100S	200E	U-013793-A	7050	Federal	GW	P
4304735170	RBU 1-9E	NESE	09	100S	190E	U-03505	7050	Federal	GW	P
4304735171	RBU 16-9E	NESE	09	100S	190E	U-013765	7050	Federal	GW	P
4304735232	RBU 14-21F	SESW	21	100S	200E	U-0143520	7050	Federal	GW	P
4304735250	RBU 13-19F2	NWSW	19	100S	200E	U-013769-A	7050	Federal	GW	P
4304735251	RBU 15-19F	SWSE	19	100S	200E	U-013769-A	7050	Federal	GW	P
4304735270	RBU 16-21E	SESE	21	100S	190E	U-013766	7050	Federal	GW	P
4304735304	RBU 13-20F	SWSW	20	100S	200E	U-013769	7050	Federal	GW	P
4304735305	RBU 4-21F	NWNW	21	100S	200E	U-013793-A	7050	Federal	GW	P
4304735306	RBU 16-21F	SESE	21	100S	200E	U-0143520-A	7050	Federal	GW	P
4304735468	RBU 15-22F	SWSE	22	100S	200E	U-01470-A	7050	Federal	GW	P
4304735469	RBU 11-23F	SESW	23	100S	200E	U-01470A	7050	Federal	GW	P
4304735549	RBU 1-14F	NENE	14	100S	200E	UTU-013793-A	7050	Federal	GW	P
4304735640	RBU 2-21E	NWNE	21	100S	190E	U-013766	7050	Federal	GW	P
4304735644	RBU 10-17E	NWSE	17	100S	190E	U-013766	7050	Federal	GW	P
4304735645	RBU 12-21E	NWSW	21	100S	190E	U-013766	7050	Federal	GW	P
4304736200	RBU 8-17E	SWNE	17	100S	190E	U-013766	7050	Federal	GW	P
4304736201	RBU 15-17EX	SWSE	17	100S	190E	U-013766	7050	Federal	GW	P
4304736293	RBU 2-10E	NWNE	10	100S	190E	U-013792	7050	Federal	GW	P
4304736294	RBU 6-10E	NENW	10	100S	190E	U-013792	7050	Federal	GW	P
4304736296	RBU 6-21E	SESW	21	100S	190E	U-013766	7050	Federal	GW	P
4304736297	RBU 10-22E	NWSE	22	100S	190E	U-013792	7050	Federal	GW	P
4304736318	RBU 14-22E	SESW	22	100S	190E	U-013792	7050	Federal	GW	P
4304736427	RBU 9-15E	NESE	15	100S	190E	U-013766	7050	Federal	GW	DRL
4304736428	RBU 2-17E	NWNE	17	100S	190E	U-013766	7050	Federal	GW	P
4304736429	RBU 1-17E	NENE	17	100S	190E	U-013766	7050	Federal	GW	DRL
4304736432	RBU 3-19F2	NWNW	19	100S	200E	U-013769-A	15234	Federal	GW	P
4304736433	RBU 14-17F	SESW	17	100S	200E	U-03505	7050	Federal	GW	P
4304736434	RBU 2-19F	NWNE	19	100S	200E	U-013769-A	7050	Federal	GW	P
4304736435	RBU 5-19FX	SWNW	19	100S	200E	U-013769-A	15855	Federal	GW	P
4304736436	RBU 4-20F	NWNW	20	100S	200E	U-013793-A	7050	Federal	GW	P
4304736605	RBU 16-14F	SESE	14	100S	200E	U-013793A	7050	Federal	GW	P
4304736608	RBU 4-3E	NWNW	03	100S	190E	U-035316	7050	Federal	GW	P

N1095 DOMINION E and P, INC. to N2615 XTO ENERGY, INC.

RIVER BEND UNIT

api	well name	qtr	qtr	sec	twp	rng	lease num	entity	Lease	well	stat
4304736609	RBU 8-3E	SENE	03	100S	190E	U-013765	7050	Federal	GW	P	
4304736610	RBU 14-3E	SESW	03	100S	190E	U-013765	7050	Federal	GW	P	
4304736686	RBU 13-3E	NWSW	03	100S	190E	U-013765	15235	Federal	GW	P	
4304736810	RBU 1-3E	NENE	03	100S	190E	U-013765	7050	Federal	GW	DRL	
4304736850	RBU 2-10F	NWNE	10	100S	200E	U-7206	7050	Federal	GW	P	
4304736851	RBU 8-21F	SENE	21	100S	200E	U-013793-A	7050	Federal	GW	P	
4304737033	RBU 4-10E	SWNW	10	100S	190E	U-035316	7050	Federal	GW	P	
4304737057	RBU 11-17E	NWSE	17	100S	190E	U-03505	7050	Federal	GW	DRL	
4304737058	RBU 3-17E	NENW	17	100S	190E	U-03505	7050	Federal	GW	P	
4304737201	RBU 3-23F	NENW	23	100S	200E	U-013793-A	7050	Federal	OW	P	
4304737341	RBU 11-20F	NESW	20	100S	200E	U-0143520-A	7050	Federal	GW	P	
4304737342	RBU 5-15F	SWNW	15	100S	200E	U-7206	7050	Federal	OW	P	
4304737343	RBU 10-16F	NWSE	16	100S	200E	U-7206	7050	Federal	OW	P	
4304737344	RBU 9-16F	NESE	16	100S	200E	U-7206	7050	Federal	OW	S	
4304737450	RBU 14-17E	SESW	17	100S	190E	U-03505	7050	Federal	GW	P	
4304737747	RBU 15-9E	NWNE	16	100S	190E	U-013765	7050	Federal	GW	DRL	
4304737893	RBU 9-4EA	SENE	04	100S	190E	U-03505	7050	Federal	GW	P	
4304737998	RBU 13-23F	SWSW	23	100S	200E	U-01470-A	7050	Federal	GW	P	
4304738181	RBU 12-4E	SWNW	04	100S	190E	U-03576	99999	Federal	GW	DRL	
4304738182	RBU 11-4E	SE/4	04	100S	190E	U-03505	99999	Federal	GW	DRL	
4304738294	RBU 2-4E	NWNE	04	100S	190E	U-013792	7050	Federal	GW	DRL	
4304738295	RBU 5-4E	SWNW	04	100S	190E	U-03576	99999	Federal	GW	DRL	
4304738543	RBU 28-18F	NESE	13	100S	190E	U 013793-A	7050	Federal	GW	DRL	
4304738548	RBU 32-13E	NESE	13	100S	190E	U-013765	7050	Federal	GW	DRL	
4304738555	RBU 27-18F	SWSW	18	100S	200E	U-013793	7050	Federal	GW	DRL	
4304738556	RBU 27-18F2	SWSW	18	100S	200E	U-013793	7050	Federal	GW	DRL	
4304738557	RBU 30-18F	SWSW	18	100S	200E	U-013793	7050	Federal	GW	P	
4304738558	RBU 29-18F	SWSW	18	100S	200E	U-013793	7050	Federal	GW	DRL	
4304738595	RBU 31-10E	NENE	15	100S	190E	U-013792	7050	Federal	GW	DRL	
4304738596	RBU 17-15E	NENE	15	100S	190E	U-013766	7050	Federal	GW	DRL	
4304738780	RBU 8B-17E	SENE	17	100S	190E	U-013766	7050	Federal	GW	DRL	

N1095 DOMINION E and P, INC. to N2615 XTO ENERGY, INC.

RIVER BEND UNIT

api	well_name	qtr_qtr	sec	twp	rng	lease_num	entity	Lease	well	stat
4304730153	NATURAL 1-2	SENW	02	100S	200E	ML-10716	11377	State	OW	PA
4304730260	RBU 11-16E	NESW	16	100S	190E	ML-13214	7050	State	GW	S
4304730583	RBU 11-36B	NESW	36	090S	190E	ML-22541	99998	State	NA	PA
4304730608	RBU 8-16D	SENE	16	100S	180E	ML-13216	99998	State	NA	PA
4304730760	RBU 11-2F	NESW	02	100S	200E	ML-10716	9966	State	OW	S
4304731740	RBU 1-16E	NENE	16	100S	190E	ML-13214	7050	State	GW	P
4304732026	RBU 16-2F	SESE	02	100S	200E	ML-10716	7050	State	GW	P
4304732042	RBU 9-16E	NESE	16	100S	190E	ML-13214	7050	State	GW	P
4304732108	RBU 14-2F	SESW	02	100S	200E	ML-10716	7050	State	GW	P
4304732136	RBU 8-2F	SENE	02	100S	200E	ML-10716	7050	State	GW	P
4304732137	RBU 5-16E	SWNW	16	100S	190E	ML-13214	7050	State	GW	P
4304732245	RBU 7-16E	SWNE	16	100S	190E	ML-13214	7050	State	GW	PA
4304732250	RBU 13-16E	SWSW	16	100S	190E	ML-13214	7050	State	GW	S
4304732292	RBU 15-16E	SWSE	16	100S	190E	ML-13214	7050	State	GW	PA
4304732314	RBU 10-2F	NWSE	02	100S	200E	ML-10716	7050	State	GW	P
4304732352	RBU 3-16F	NENW	16	100S	200E	ML-3393-A	7050	State	GW	P
4304733360	RBU 1-16F	NENE	16	100S	200E	ML-3393	7050	State	GW	P
4304734061	RBU 6-16E	SWNE	16	100S	190E	ML-13214	7050	State	GW	P
4304734167	RBU 1-2F	NENE	02	100S	200E	ML-10716		State	GW	LA
4304734315	STATE 11-2D	NESW	02	100S	180E	ML-26968		State	GW	LA
4304734903	RBU 14-16E	SWSW	16	100S	190E	ML-13214	7050	State	D	PA
4304735020	RBU 8-16E	SENE	16	100S	190E	ML-13214	7050	State	GW	P
4304735021	RBU 10-16E	SWSE	16	100S	190E	ML-13214	7050	State	GW	P
4304735022	RBU 12-16E	NESW	16	100S	190E	ML-13214	7050	State	GW	P
4304735023	RBU 16-16E	SWSW	15	100S	190E	ML-13214	7050	State	GW	P
4304735033	RBU 2-16E	NWNE	16	100S	190E	ML-13214	7050	State	GW	P
4304735081	RBU 15-2F	SWSE	02	100S	200E	ML-10716	7050	State	GW	P
4304735348	RBU 13-16F	NWNW	21	100S	200E	ML-3394	7050	State	GW	DRL
4304736169	RBU 4-16E	NENW	16	100S	190E	ML-13214	7050	State	GW	P
4304736170	RBU 3-16E	NENW	16	100S	190E	ML-13214	7050	State	GW	P



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155



IN REPLY REFER TO  
3180  
UT-922

Dominion Exploration & Production, Inc.  
Attn: James D. Abercrombie  
14000 Quail Springs Parkway, #600  
Oklahoma City, OK 73134-2600

August 10, 2007

Re: River Bend Unit  
Uintah County, Utah

Gentlemen:

On August 8, 2007, we received an indenture dated June 30, 2007, whereby Dominion Exploration & Production, Inc. resigned as Unit Operator and XTO Energy Inc. was designated as Successor Unit Operator for the River Bend Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective August 15, 2007. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the River Bend Unit Agreement.

Your statewide oil and gas bond No. UTB000138 will be used to cover all operations within the River Bend Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

*/s/ Greg J. Noble*

Greg J. Noble  
Acting Chief, Branch of Fluid Minerals

Enclosure

RECEIVED  
AUG 16 2007  
DIV. OF OIL, GAS & MINING



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
U-0143521-A

6. If Indian, Allottee or Tribe Name  
Ute Tribe

**SUBMIT IN TRIPLICATE - Other instructions on page 2.**

7. If Unit of CA/Agreement, Name and/or No.  
River Bend Unit

1. Type of Well  
 Oil Well  Gas Well  Other

8. Well Name and No.  
RBU 4-22F

2. Name of Operator  
XTO Energy, Inc.

9. API Well No.  
43-047-31615

3a. Address  
P.O. BOX 1360, Roosevelt, Utah, 84088

3b. Phone No. (Include area code)  
435-722-4521

10. Field and Pool or Exploratory Area  
Natural Buttes

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
891' FNL & 1164' FWL, NWNW, S22, T10S, R20E

11. Country or Parish, State  
Utah, Utah

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input checked="" type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

XTO Energy, Inc., has secured permission from the United States Environmental Protection Agency (EPA) to convert the RBU 4-22F well into an underground injection well. The Underground Injection Control (UIC) permit number is UT21124-07613

XTO requests BLM permission to convert the well as described within the UIC permit. (Please see attached UIC permit, Statement of Basis, and Map).

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY**

RECEIVED  
 FEDERAL FIELD OFFICE  
 DEPT. OF THE INTERIOR  
 BUREAU OF LAND MGMT  
 NOV 19 PM 12 45

14. I hereby certify that the foregoing is true and correct.  
Name (Printed/Typed)  
Ken Secret

Title: Regulatory Coordinator

Signature

*Ken Secret*

Date: 11/19/2008

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

*[Signature]*

**Petroleum Engineer**

Date

DEC 1 2008

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

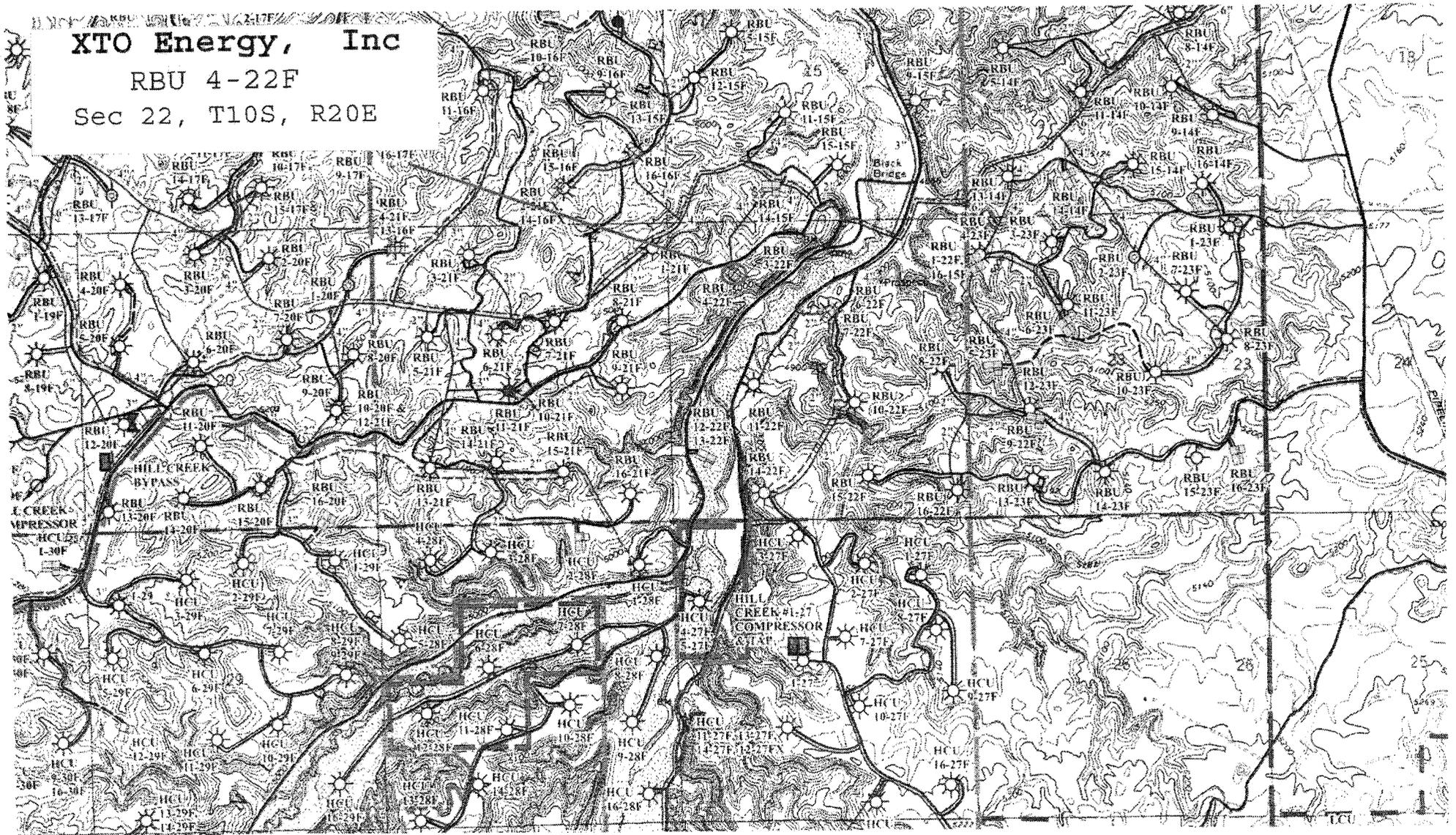
(Instructions on page 2)

**OPERATOR**

# XTO Energy, Inc

RBUs 4-22F

Sec 22, T10S, R20E



SPUDED: 07/31/85  
COMPLETED: 09/14/85  
CURRENT STATUS: SI

# ATTACHMENT "M" CONSTRUCTION DETAIL PROPOSED SWD CONVERSION

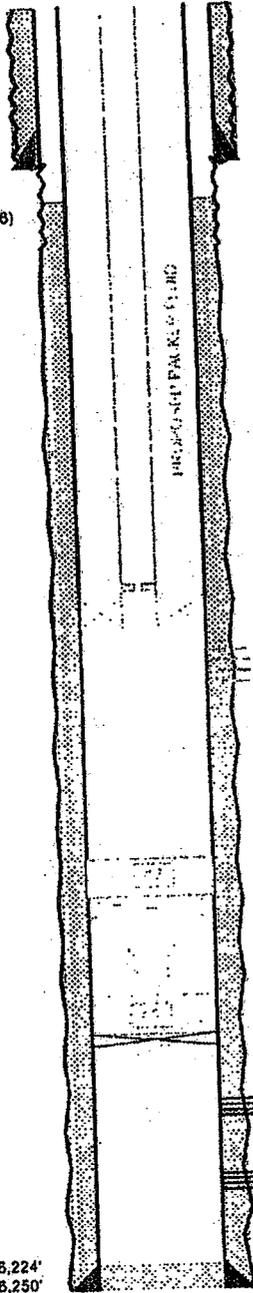
KB: 5.082  
GL: 5.081  
CORR: 11'

## XTO ENERGY RIVER BEND UNIT 4-22F

891' FNL & 1,164' FWL, SEC 22-T10S-R20E, Uintah, UTAH  
API: 43-047-31615

UNLESS STATED ALL DEPTHS ARE MEASURED  
WELLBORE DIAGRAM NOT DRAWN TO SCALE

TOC @ 750' (CBL 8/31/08)



12-1/2" BIT  
8-5/8" 24#, K-66 ST&C CSG @ 374'  
CMTD W/180 SX CL G. TOPOUT W/40 SX G  
TOC @ SURF

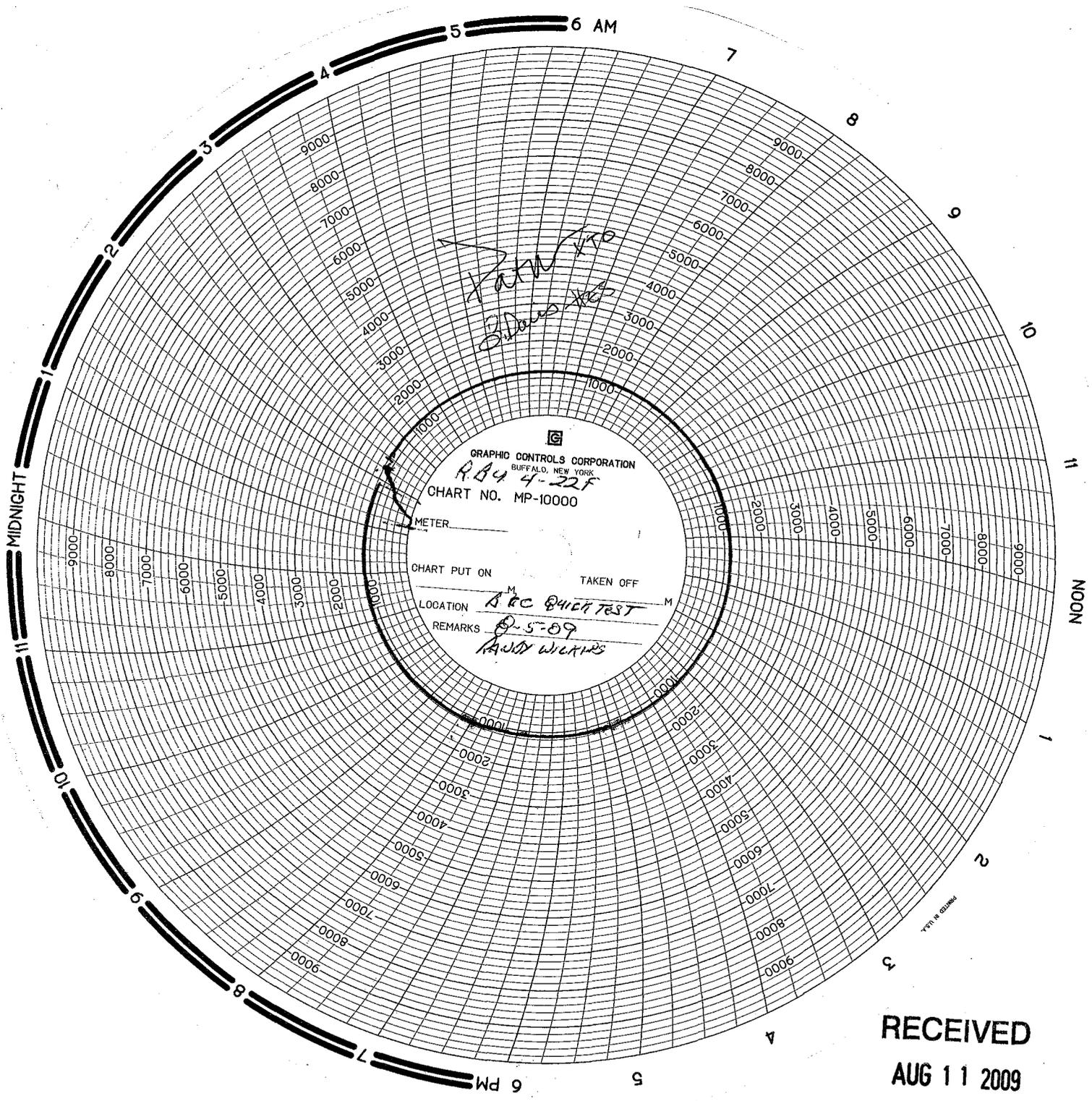
PROPOSED SWD CONVERSION 374' TO 1,452'  
NEW GREEN RIVER PROPOSED SWD CONVERSION 1,452' TO 1,492'  
CIBP @ 5,550' (08/24/04)  
CHAPITA WELLS: 5,608' - 5,626' (22 SHOTS)  
CHAPITA WELLS: 5,872' - 5,880' (18 SHOTS)

NEW GREEN RIVER PROPOSED SWD CONVERSION  
374' TO 1,452' TO 1,492'  
CIBP @ 5,550' (08/24/04)

PROPOSED SWD CONVERSION 374' TO 1,452'  
NEW GREEN RIVER PROPOSED SWD CONVERSION 1,452' TO 1,492'

7-7/8" BIT  
5-1/2" 17#, N-80 & K-56, LT&C CSG @ 6,228'  
CMTD W/833 SX CMT  
DID NOT CIRC CMT TO SURF. TOC @ 300'

LTD: 6,224'  
DTD: 6,250'



RECEIVED  
 AUG 11 2009

DIV. OF OIL, GAS & MINING

API # 43-047-31615  
 PASSED M.T.T. IDS 2DE 22  
 EPA Permitted Well.  


**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
**U-0143521A**

1a. Type of Well  Oil Well  Gas Well  Dry  Other **INJECTION**  
 b. Type of Completion:  New Well  Work Over  Deepen  Plug Back  Diff.Resvr.,  
 Other **SALT WATER DISPOSAL WELL**

6. If Indian, Allottee or Tribe Name  
**UTE INDIAN TRIBE**

2. Name of Operator  
**XTO Energy Inc.**

7. Unit or CA Agreement Name and No.  
**RIVERBEND UNIT**

3. Address **382 CR 3100 Aztec, NM 87410** 3a. Phone No. (include area code) **505-333-3100**

8. Lease Name and Well No.  
**RBU 4-22F**

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
At surface **891' FNL & 1164' FWL**

9. API Well No.  
**43-047-31615**

At top prod. interval reported below

10. Field and Pool, or Exploratory  
**NATURAL BUTTES**

At total depth

11. Sec., T., R., M., or Block and Survey or Area  
**NWNW SEC 22-T10S-R20E**

12. County or Parish **UINTAH** 13. State **UTAH**

14. Date Spudded **7/4/1985** 15. Date T.D. Reached **7/23/1985** 16. Date Completed  D & A  Ready to Prod. **8/5/09 See #32**

17. Elevations (DF, RKB, RT, GL)\*  
**5081' GR**

18. Total Depth: MD **6,250'** TVD 19. Plug Back T.D.: MD **4,360'** TVD

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

22. Was well cored?  No  Yes (Submit analysis)  
 Was DST run  No  Yes (Submit report)  
 Directional Survey?  No  Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt.(#ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No.of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8"	24#	SURF	374'		230		SURF	
7-7/8"	5-1/2"	17#	SURF	6228'		833		SURF	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	3,846'	3,816'	5-1/2"					

25. Producing Intervals 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GREEN RIVER	3,897'	3,932'	3,897' - 3,932'	0.36"	105	OPEN
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
3,897' - 3,932'	A. w/1,500 gals. of 15% NEFE HCL acid. Frac'd w/129,326 gals gelled 2% KCl wtr + additives (Turquoise Frac), carrying 246,271# 16/30 White sand. Flushed frac w/97 bbl 2% KCl wtr.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr.	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			→						

28a. Production-Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr.	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			→						

(See instructions and spaces for additional data on page 2)

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28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

28c. Production-Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

**WELL IS FOR WATER INJECTION ONLY**

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GREEN RIVER	1,153'
				WASATCH TONGUE	3,988'
				GREEN RIVER TONGUE	4,333'
				WASATCH	4,474'

32. Additional remarks (include plugging procedure):

**\*\* SUNDRY WILL BE SENT WHEN INJECTION STARTS.**

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- Electrical/Mechanical Logs (1 full set req'd)    
  Geologic Report    
  DST Report    
  Directional Survey  
 Sundry Notice for plugging and cement verification    
  Core Analysis    
  Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) BARBARA A. NICOL

Title REGULATORY CLERK

Signature Barbara A. Nicol

Date 8/12/2009

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**DOGM COPY**

FORM APPROVED  
OMB NO. 1004-0137  
Expires July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**

*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. <b>U-0143521A</b>
2. Name of Operator <b>XTO Energy Inc.</b>		6. If Indian, Allottee or Tribe Name <b>UTE INDIAN TRIBE</b>
3a. Address <b>382 CR 3100 Aztec, NM 87410</b>	3b. Phone No. (include area code) <b>505-333-3100</b>	7. If Unit or CA/Agreement, Name and/or No. <b>RIVERBEND UNIT</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>891' FNL &amp; 1164' FWL NWNW SEC 22-T10S-R20E</b>		8. Well Name and No. <b>RBW 4-22F</b>
		9. API Well No. <b>43-047-31615</b>
		10. Field and Pool, or Exploratory Area <b>NATURAL BUTTES</b>
		11. County or Parish, State <b>UINTAH UTAH</b>

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input checked="" type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input checked="" type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

**XTO Energy Inc. has converted this well to a salt water disposal well. A MIT was conducted on 8/5/2009. Please see attached MIT chart, Morning Report, & current wellbore diagram.**

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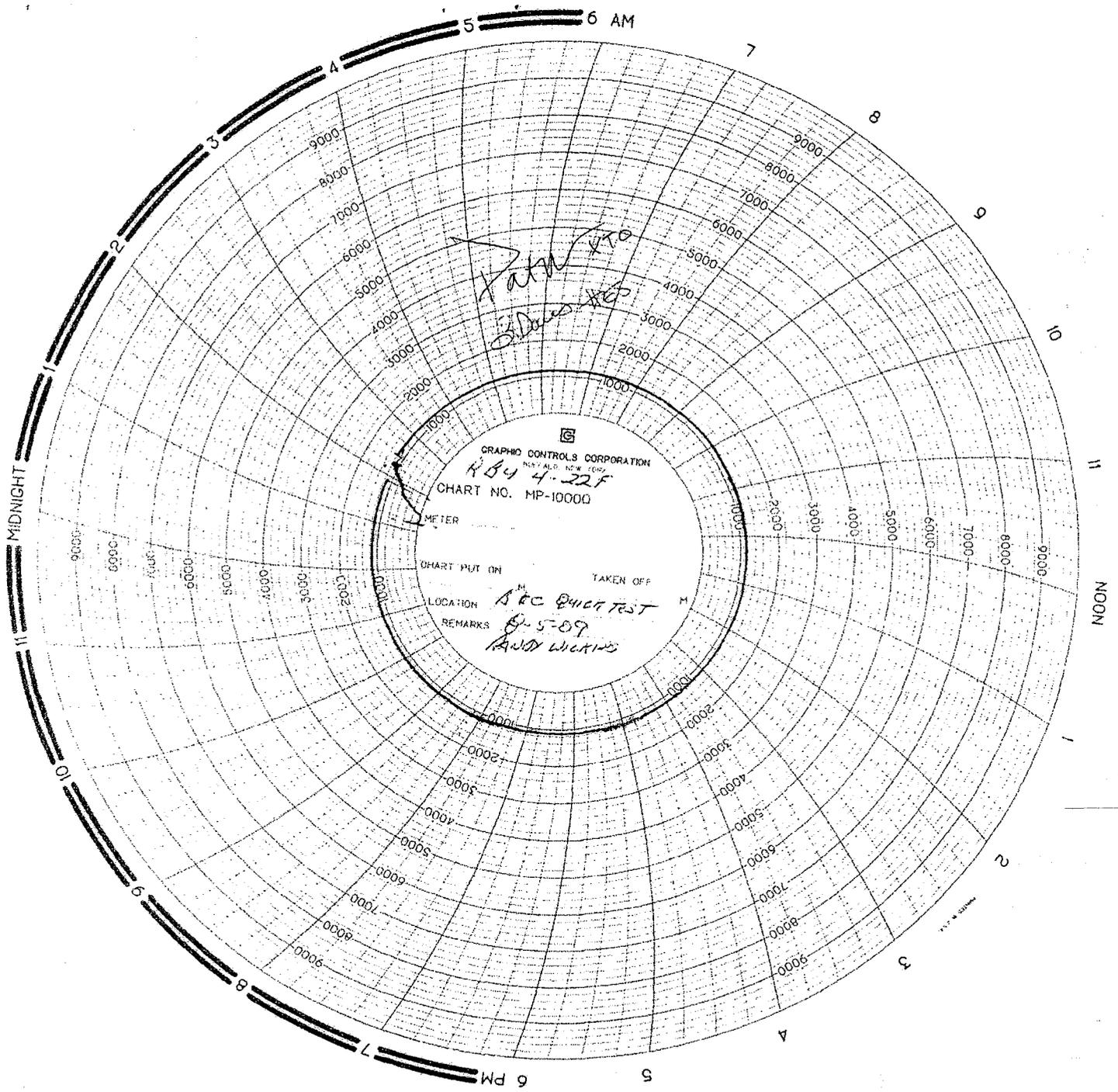
14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) <b>BARBARA A. NICOL</b>		Title <b>REGULATORY CLERK</b>
Signature <i>Barbara A. Nicol</i>		Date <b>8/12/2009</b>

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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EXECUTIVE SUMMARY REPORT

8/5/2008 - 8/6/2009  
Report run on 8/6/2009 at 12:12 PM

Riverbend Unit 04-22F SWD

Section 22-10S-20E, Uintah, Utah, Roosevelt  
Objective: Convert to SWD  
Date First Report: 7/23/2009  
Method of Production: SWD

- 7/23/2009 SICIP 0 psig. MIRU Key Energy Rig #6013. ND WH. NU BOP. PU & TIH w/4.75" bit & 168 jts 6.5#, J-55, EUE, 8rd wrk strg. Tgd CIBP @ 5555'. LD 2 jts tbg, SWI & SDFN. MIRU.
- 7/24/2009 ===== Riverbend Unit 04-22F SWD =====  
SITP 0 psig. SICIP 0 psig. MIRU Petro Pro cmt svc. Pmp 20 bls trtd 2% KCl wtr followed w/20 sks Class 'G' cmt mxd @ 15.8 ppg & 1.15 yld. Flshd w/22 bbls 2% KCl wtr. TOH w/10 jts tbg ( 330' ). WOC 2 hrs. PT Csg to 1000 psig, 30", tstd gd. TIH & tgd cmt top @ 5400'. TOH w/tbg & LD bit. TIH w/ 5.5" CICR & 142 jts tbg. Set CICR @ 4550'. PT TCA to 3000 psig, 30". Tstd gd. RU Petro Pro cmt svc. Pmp 20 bls 2% KCl followed w/20 sk Class 'G' cmt mxd @ 15.8 ppg & 1.15 yld. Flshd w/20 bls 2% KCl wtr. TOH w/6 jts tbg ( 200' ) & RC cln w/40 bbls 2% KCl wtr. SWI & SDWE. SET CIBP
- 7/27/2009 ===== Riverbend Unit 04-22F SWD =====  
SITP 0 psig, SICIP 0 psig. TIH & tgd TOC @ 4360'. MIRU Tech foam. Estb circ & blw hole dry. 1hr. TOH w/tbg & cmt stinger tl. MIRU Perf O Log, RIH w/3-1/8" csg guns loaded w/Titan EXP-3323-361T, 22.7 gm chrgs. Perf GR fr/3897' - 3932' w/3 JSPF (120 deg phasing, 0.36" EHD, 35.6 pene., 105 holes). POH & LD perf guns. WL BFL 3900'. After perforating water flw gauged @ 250 BPH, 48/64 ck, FCP 410 psig. 400 BPH 64/64" ck @ 300 psig. SICIP 770 psig.. Wtr smpls sent in for analysis. RDMO WLU. SWI & SDFN. perf 1st stage
- 7/28/2009 ===== Riverbend Unit 04-22F SWD =====  
SICIP 800 psig. MI SLU. RIH w/BHP & BHT SL tls. Set tls mid perf level @ 3915'. MIRU Frac Tech. PT surf lines to 5000 psig. Start SRT @ 2:00 p.m. SWI @ 8:20 p.m. SICIP 1076 psig. Ppd 1108 bbls during 23 inj rate steps. SWI & SDFN. 1108 BLWTR. SRT 1st stage
- 7/29/2009 ===== Riverbend Unit 04-22F SWD =====  
SICIP 775 psig. RU SLU, POH w/SRT tls. RDMO SLU. SWI & SDFN. Recover SRT tls.
- 7/30/2009 ===== Riverbend Unit 04-22F SWD =====  
SICIP 775 psig. MIRU Frac Tech frac equip. PT surf lines to 6000 psig. BD GR stg #1 perfs w/2% KCL wtr and EIR. A. GR perfs fr/3897' - 3932' w/1,500 gals of 15% NEFE HCL ac dwn 5-1/2" csg. Bd @ 955 psig. .68 FG. Fracd GR stg #1 perfs fr/3897' - 3932' , dwn 5-1/2" csg w/129,326 gals gelled 2% KCl wtr + additives (Turquoise Frac) carrying ttl 246,271# 16/30 White sd Flshd frac w/97 bbls 2% KCl wtr. Max DH sd conc 5.3 ppg. Calc FG 0.1.06 psig/ft. AIR 50 BPM. ATP 2142 psig. MTP 2912 psig. 3124 BLWTR SWI 4 hrs & RDMO frac equip. OWU & turned well over to flow testers @ 18:00 hrs. 3124 BLWTR
- 7/31/2009 ===== Riverbend Unit 04-22F SWD =====  
SICIP 1400 psig. OWU to tst tnk @ 18:00 hrs. 18-20/64" ck. F. 0 BO. 840 BLW, 12 hrs, FCP 1400 - 850 psig. SWI @ 06:00 hrs 7/31/2009. MIRU Perf O Log. RIH w/4.75 GR. Tg sd @ 4260'. ( 100' fill, 333' of rathole ). PBTB @ 4360'. RDMO WL & SWI. SDFWE. 2280 BLWTR. Tg snd.

EXECUTIVE SUMMARY REPORT

8/5/2008 - 8/6/2009  
Report run on 8/6/2009 at 12:12 PM

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8/4/2009 ===== Riverbend Unit 04-22F SWD =====  
SICP 850 psig. MIRU Perf o Log. RIH w/the following: All componets Nickel plated. WL re-entry guide, XN nip (2-3/8'' x 1.75''), 10' x 2-3/8'' tbg sub, X nip (2-3/8'' x 1.875'') 10' x 2-3/8'' tbg sub & 5-1/2" x 2-3/8" PLT pkr. Set pkr @ 3820'. Bd well. RD WLU. TIH w/ 2.875'' workstring & LD. PU & TIH w/ XL 2-3/8'' on/off tl, X nip (2-3/8'' x 1.875'') , xo (2-3/8'' x 2-7/8'') & 116 jts 2-7/8'', 6.5#, L-80, EUE 8rd, lined ( Western Falcon Enertube) 2.025'' ID tbg. ND BOP. Pmp 60 bbls pkr fld dwn TCA. SWI & SDFN. WO internally coated tbg subs to SWO.  
Set pkr @ 3820'

8/5/2009 ===== Riverbend Unit 04-22F SWD =====  
SITP 0 psig. SICP 0 psig. SWO & latch onto PLT pkr @ on/off tl w/8k tens @ 3820'. EOT @ 3846'. GR perfs fr/3897'- 3932'. PBD @ 4360'. NU WH. PT TCA to 1200 psig, 1hr on chart recorder, tstd gd. Rlsd press & SWI. RDMO Key Energy Rig # 6013. Rpts suspnd, turn well over to facilities.  
MIT test. RDMOSU

===== Riverbend Unit 04-22F SWD =====





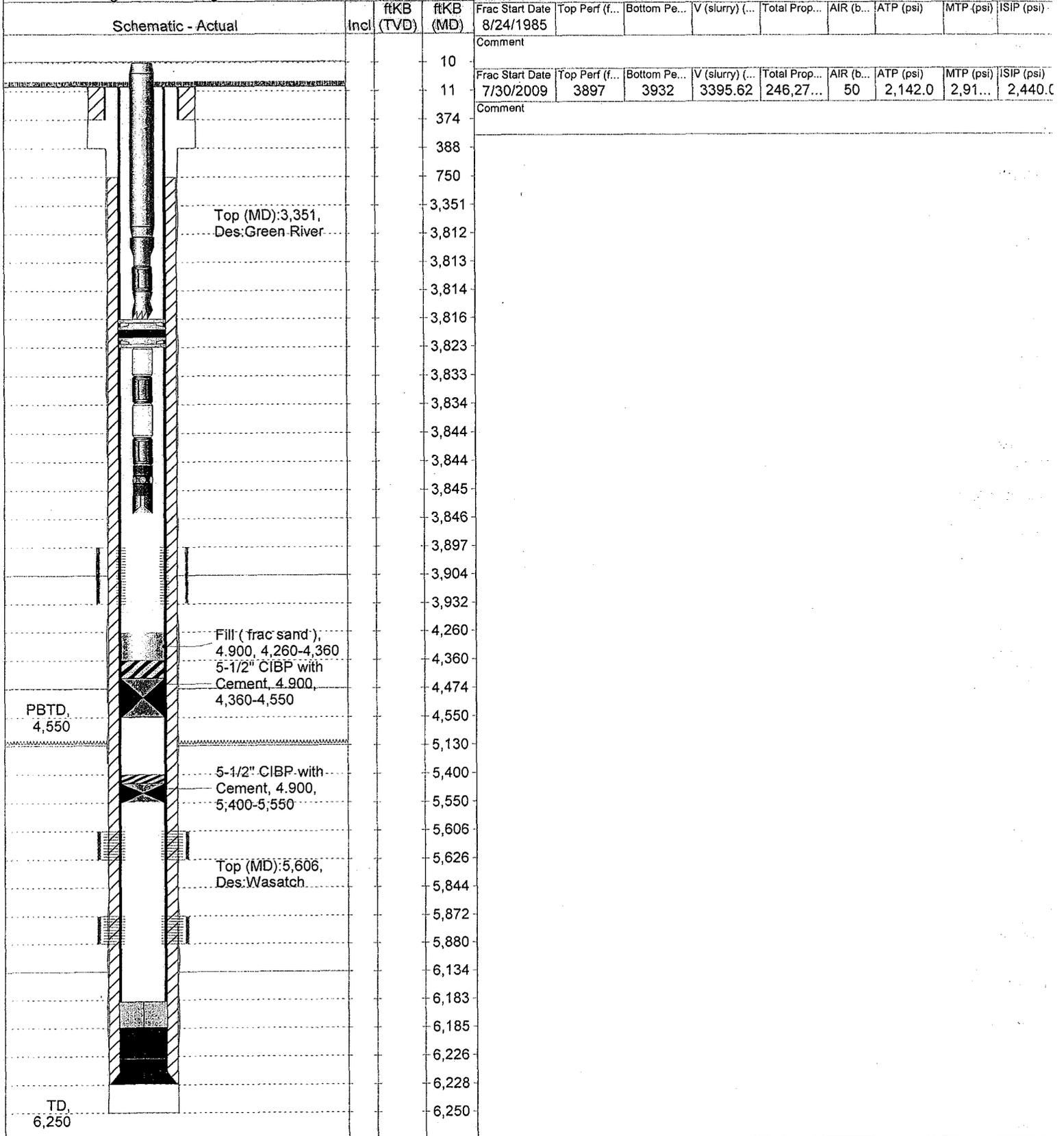
# XTO.- Wellbore Diagram

**Well Name: Riverbend Unit 04-22F SWD**

API/UWI 43047316150000	E/W Dist (ft) 1,164.0	E/W Ref FWL	N/S Dist (ft) 891.0	N/S Ref FNL	Location T10S-R20E-S22	Field Name Natural Buttes	County Uintah	State Utah
Well Configuration Type Vertical	XTO ID B 162643	Orig KB Elev (ft) 5,092.00	Gr Elev (ft) 5,081.00	KB-Grd (ft) 11.00	Spud Date 7/4/1985	PBTD (All) (ftKB) Original Hole - 4550.0	Total Depth (ftKB) 6,250.0	Method Of Production SWD

Well Config: Vertical - Original Hole, 8/12/2009 12:10:17 PM

### Stimulations & Treatments





**UNDERGROUND INJECTION CONTROL PROGRAM  
PERMIT**

PREPARED: October 2008

**Permit No. UT21123-07612**

Class II Salt Water Disposal Well

**RBU 4-22F  
Uintah County, UT**

Issued To

**XTO Energy , Inc.**

382 Road 3100  
Aztec, NM 87410

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## Part I. AUTHORIZATION TO CONSTRUCT AND OPERATE

Under the authority of the Safe Drinking Water Act and Underground Injection Control (UIC) Program regulations of the U. S. Environmental Protection Agency (EPA) codified at Title 40 of the Code of Federal Regulations (40 CFR) Parts 2, 124, 144, 146, and 147, and according to the terms of this Permit,

XTO Energy, Inc.  
382 Road 3100  
Aztec, NM 87410

is authorized to construct and to operate the following Class II injection well or wells:

RBU 4-22F  
891' FNL, 1164' FWL, NWNW S22, T10S, R20E  
Uintah County, UT

EPA regulates the injection of fluids into injection wells so that injection does not endanger underground sources of drinking water (USDWs). EPA UIC Permit conditions are based on authorities set forth at 40 CFR Parts 144 and 146, and address potential impacts to USDWs.

Under 40 CFR Part 144, Subpart D, certain conditions apply to all UIC Permits and may be incorporated either expressly or by reference. General permit conditions for which the content is mandatory and not subject to site-specific differences are not discussed in this document. Issuance of this Permit does not convey any property rights of any sort or any exclusive privilege, nor does it authorize injury to persons or property or invasion of other private rights, or any infringement of other Federal, State or local laws or regulations. (40 CFR §144.35) An EPA UIC Permit may be issued for the operating life of the injection well or project unless terminated for reasonable cause under 40 CFR §§144.39, 144.40 and 144.41, and may be reviewed at least once every five (5) years to determine if action is required under 40 CFR §144.36(a).

This Permit is issued for the life of the well(s) unless modified, revoked and reissued, or terminated under 40 CFR 144.39 or 144.40. This EPA Permit may be adopted, modified, revoked and reissued, or terminated if primary enforcement authority for a UIC Program is delegated to an Indian Tribe or State. Upon the effective date of delegation, reports, notifications, questions and other correspondence should be directed to the Indian Tribe or State Director.

Issue Date: NOV 12 2008

Effective Date NOV 12 2008



 Stephen S. Tuber  
Assistant Regional Administrator\*  
Office of Partnerships and Regulatory Assistance

\*NOTE: The person holding this title is referred to as the "Director" throughout this Permit.

## PART II. SPECIFIC PERMIT CONDITIONS

### Section A. WELL CONSTRUCTION REQUIREMENTS

These requirements represent the approved minimum construction standards for well casing and cement, injection tubing, and packer.

Details of the approved well construction plan are incorporated into this Permit as APPENDIX A. Changes to the approved plan that may occur during construction must be approved by the Director prior to being physically incorporated.

#### **1. Casing and Cement.**

The well or wells shall be cased and cemented to prevent the movement of fluids into or between underground sources of drinking water. The well casing and cement shall be designed for the life expectancy of the well and of the grade and size shown in APPENDIX A. Remedial cementing may be required if shown to be inadequate by cement bond log or other attempted demonstration of Part II (External) mechanical integrity.

#### **2. Injection Tubing and Packer.**

Injection tubing is required, and shall be run and set with a packer at or below the depth indicated in APPENDIX A. The packer setting depth may be changed provided it remains below the depth indicated in APPENDIX A and the Permittee provides notice and obtains the Director's approval for the change.

#### **3. Sampling and Monitoring Devices.**

The Permittee shall install and maintain in good operating condition:

- (a) a "tap" at a conveniently accessible location on the injection flow line between the pump house or storage tanks and the injection well, isolated by shut-off valves, for collection of representative samples of the injected fluid; and
- (b) one-half (1/2) inch female iron pipe fitting, isolated by shut-off valves and located at the wellhead at a conveniently accessible location, for the attachment of a pressure gauge capable of monitoring pressures ranging from normal operating pressures up to the Maximum Allowable Injection Pressure specified in APPENDIX C:
  - (i) on the injection tubing; and
  - (ii) on the tubing-casing annulus (TCA); and
- (c) a pressure actuated shut-off device attached to the injection flow line set to shut-off the injection pump when or before the Maximum Allowable Injection Pressure (MAIP) specified in APPENDIX C is reached at the wellhead; and
- (d) a non-resettable cumulative volume recorder attached to the injection line.

#### **4. Well Logging and Testing**

Well logging and testing requirements are found in APPENDIX B. The Permittee shall ensure the log and test requirements are performed within the time frames specified in APPENDIX B. Well logs and tests shall be performed according to current EPA-approved procedures. Well log and test results shall be submitted to the Director within sixty (60) days of completion of the logging or testing activity, and shall include a report describing the methods used during logging or testing and an interpretation of the test or log results.

#### **5. Postponement of Construction or Conversion**

The Permittee shall complete well construction within one year of the Effective Date of the Permit, or in the case of an Area Permit within one year of Authorization of the additional well. Authorization to construct and operate shall expire if the well has not been constructed within one year of the Effective Date of the Permit or Authorization and the Permit may be terminated under 40 CFR 144.40, unless the Permittee has notified the Director and requested an extension prior to expiration. Notification shall be in writing, and shall state the reasons for the delay and provide an estimated completion date. Once Authorization has expired under this part, the complete permit process including opportunity for public comment may be required before Authorization to construct and operate may be reissued.

#### **6. Workovers and Alterations**

Workovers and alterations shall meet all conditions of the Permit. Prior to beginning any addition or physical alteration to an injection well that may significantly affect the tubing, packer or casing, the Permittee shall give advance notice to the Director and obtain the Director's approval. The Permittee shall record all changes to well construction on a Well Rework Record (EPA Form 7520-12), and shall provide this and any other record of well workover, logging, or test data to EPA within sixty (60) days of completion of the activity.

A successful demonstration of Part I MI is required following the completion of any well workover or alteration which affects the casing, tubing, or packer. Injection operations shall not be resumed until the well has successfully demonstrated mechanical integrity and the Director has provided written approval to resume injection.

### **Section B. MECHANICAL INTEGRITY**

The Permittee is required to ensure each injection well maintains mechanical integrity at all times. The Director, by written notice, may require the Permittee to comply with a schedule describing when mechanical integrity demonstrations shall be made.

An injection well has mechanical integrity if:

- (a) There is no significant leak in the casing, tubing, or packer (Part I); and
- (b) There is no significant fluid movement into an underground source of drinking water through vertical channels adjacent to the injection well bore (Part II).

### **1. Demonstration of Mechanical Integrity (MI).**

The operator shall demonstrate MI prior to commencing injection and periodically thereafter. Well-specific conditions dictate the methods and the frequency for demonstrating MI and are discussed in the Statement of Basis. The logs and tests are designed to demonstrate both internal (Part I) and external (Part II) MI as described above. The conditions present at this well site warrant the methods and frequency required in Appendix B of this Permit.

In addition to these regularly scheduled demonstrations of MI, the operator shall demonstrate internal (Part I) MI after any workover which affects the tubing, packer or casing.

The Director may require additional or alternative tests if the results presented by the operator are not satisfactory to the Director to demonstrate there is no movement of fluid into or between USDWs resulting from injection activity. Results of MI tests shall be submitted to the Director as soon as possible but no later than sixty (60) days after the test is complete.

### **2. Mechanical Integrity Test Methods and Criteria**

EPA-approved methods shall be used to demonstrate mechanical integrity. Ground Water Section Guidance No. 34 "Cement Bond Logging Techniques and Interpretation", Ground Water Section Guidance No. 37, "Demonstrating Part II (External) Mechanical Integrity for a Class II injection well permit", and Ground Water Section Guidance No. 39, "Pressure Testing Injection Wells for Part I (Internal) Mechanical Integrity" are available from EPA and will be provided upon request.

The Director may stipulate specific test methods and criteria best suited for a specific well construction and injection operation.

### **3. Notification Prior to Testing.**

The Permittee shall notify the Director at least 30 days prior to any scheduled mechanical integrity test. The Director may allow a shorter notification period if it would be sufficient to enable EPA to witness the mechanical integrity test. Notification may be in the form of a yearly or quarterly schedule of planned mechanical integrity tests, or it may be on an individual basis.

### **4. Loss of Mechanical Integrity.**

If the well fails to demonstrate mechanical integrity during a test, or a loss of mechanical integrity becomes evident during operation (such as presence of pressure in the TCA, water flowing at the surface, etc.), the Permittee shall notify the Director within 24 hours (see Part III Section E Paragraph 11(e) of this Permit) and the well shall be shut-in within 48 hours unless the Director requires immediate shut-in.

Within five days, the Permittee shall submit a follow-up written report that documents test results, repairs undertaken or a proposed remedial action plan.

Injection operations shall not be resumed until after the well has successfully been repaired and demonstrated mechanical integrity, and the Director has provided approval to resume injection.

## Section C. WELL OPERATION

INJECTION BETWEEN THE OUTERMOST CASING PROTECTING UNDERGROUND SOURCES OF DRINKING WATER AND THE WELL BORE IS PROHIBITED.

Injection is approved under the following conditions:

### **1. Requirements Prior to Commencing Injection.**

Well injection, including for new wells authorized by an Area Permit under 40 CFR 144.33 (c), may commence only after all well construction and pre-injection requirements herein have been met and approved. The Permittee may not commence injection until construction is complete, and

- (a) The Permittee has submitted to the Director a notice of completion of construction and a completed EPA Form 7520-10 or 7520-12; all applicable logging and testing requirements of this Permit (see APPENDIX B) have been fulfilled and the records submitted to the Director; mechanical integrity pursuant to 40 CFR 146.8 and Part II Section B of this Permit has been demonstrated; and
  - (i) The Director has inspected or otherwise reviewed the new injection well and finds it is in compliance with the conditions of the Permit; or
  - (ii) The Permittee has not received notice from the Director of his or her intent to inspect or otherwise review the new injection well within 13 days of the date of the notice in Paragraph 1a, in which case prior inspection or review is waived and the Permittee may commence injection.

### **2. Injection Interval.**

Injection is permitted only within the approved injection interval, listed in APPENDIX C. Additional individual injection perforations may be added provided that they remain within the approved injection interval and the Permittee provides notice to the Director in accordance with Part II, Section A, Paragraph 6.

### **3. Injection Pressure Limitation**

- (a) The permitted Maximum Allowable Injection Pressure (MAIP), measured at the wellhead, is found in APPENDIX C. Injection pressure shall not exceed the amount the Director determines is appropriate to ensure that injection does not initiate new fractures or propagate existing fractures in the confining zone adjacent to USDWs. In no case shall injection pressure cause the movement of injection or formation fluids into a USDW.
- (b) The Permittee may request a change of the MAIP, or the MAIP may be increased or decreased by the Director in order to ensure that the requirements in Paragraph (a) above are fulfilled. The Permittee may be required to conduct a step rate injection test or other suitable test to provide information for determining the fracture pressure of the injection zone. Change of the permitted MAIP by the Director shall be by modification of this Permit and APPENDIX C.

#### **4. Injection Volume Limitation.**

Injection volume is limited to the total volume specified in APPENDIX C.

#### **5. Injection Fluid Limitation.**

Injected fluids are limited to those which are brought to the surface in connection with conventional oil or natural gas production and may be commingled with waste waters from gas plants which are an integral part of production operations unless those waters are classified as a hazardous waste at the time of injection, pursuant to 40 CFR 144.6(b). The well also may be used to inject approved Class II wastes brought to the surface such as drilling fluids and spent well completion, treatment and stimulation fluids. Non-exempt wastes, including unused fracturing fluids or acids, gas plant cooling tower cleaning wastes, service wastes and vacuum truck wastes, are NOT approved. This well is NOT approved for commercial brine or other fluid disposal operation.

#### **6. Tubing-Casing Annulus (TCA)**

The tubing-casing annulus (TCA) shall be filled with water treated with a corrosion inhibitor, or other fluid approved by the Director. The TCA valve shall remain closed during normal operating conditions and the TCA pressure shall be maintained at zero (0) psi.

If TCA pressure cannot be maintained at zero (0) psi, the Permittee shall follow the procedures in Ground Water Section Guidance No. 35 "Procedures to follow when excessive annular pressure is observed on a well."

### **Section D. MONITORING, RECORDKEEPING, AND REPORTING OF RESULTS**

#### **1. Monitoring Parameters, Frequency, Records and Reports.**

Monitoring parameters are specified in APPENDIX D. Pressure monitoring recordings shall be taken at the wellhead. The listed parameters are to be monitored, recorded and reported at the frequency indicated in APPENDIX D even during periods when the well is not operating.

Monitoring records must include:

- (a) the date, time, exact place and the results of the observation, sampling, measurement, or analysis, and;
- (b) the name of the individual(s) who performed the observation, sampling, measurement, or analysis, and;
- (c) the analytical techniques or methods used for analysis.

#### **2. Monitoring Methods.**

- (a) Monitoring observations, measurements, samples, etc. taken for the purpose of complying with these requirements shall be representative of the activity or condition being monitored.

- (b) Methods used to monitor the nature of the injected fluids must comply with analytical methods cited and described in Table 1 of 40 CFR 136.3 or Appendix III of 40 CFR 261, or by other methods that have been approved in writing by the Director.
- (c) Injection pressure, annulus pressure, injection rate, and cumulative injected volumes shall be observed and recorded at the wellhead under normal operating conditions, and all parameters shall be observed simultaneously to provide a clear depiction of well operation.
- (d) Pressures are to be measured in pounds per square inch (psi).
- (e) Fluid volumes are to be measured in standard oil field barrels (bbl).
- (f) Fluid rates are to be measured in barrels per day (bbl/day).

### **3. Records Retention.**

- (a) Records of calibration and maintenance, and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit shall be retained for a period of AT LEAST THREE (3) YEARS from the date of the sample, measurement, report, or application. This period may be extended anytime prior to its expiration by request of the Director.
- (b) Records of the nature and composition of all injected fluids must be retained until three (3) years after the completion of any plugging and abandonment (P&A) procedures specified under 40 CFR 144.52(a)(6) or under Part 146 Subpart G, as appropriate. The Director may require the Permittee to deliver the records to the Director at the conclusion of the retention period. The Permittee shall continue to retain the records after the three (3) year retention period unless the Permittee delivers the records to the Director or obtains written approval from the Director to discard the records.

### **4. Annual Reports.**

Whether the well is operating or not, the Permittee shall submit an Annual Report to the Director that summarizes the results of the monitoring required by Part II Section D and APPENDIX D. The report of fluids injected during the year must identify each new fluid source by well name and location, and the field name or facility name.

The first Annual Report shall cover the period from the effective date of the Permit through December 31 of that year. Subsequent Annual Reports shall cover the period from January 1 through December 31 of the reporting year. Annual Reports shall be submitted by February 15 of the year following data collection. EPA Form 7520-11 may be copied and shall be used to submit the Annual Report, however, the monitoring requirements specified in this Permit are mandatory even if EPA Form 7520-11 indicates otherwise.

## **Section E. PLUGGING AND ABANDONMENT**

### **1. Notification of Well Abandonment, Conversion or Closure.**

The Permittee shall notify the Director in writing at least forty-five (45) days prior to: 1) plugging and abandoning an injection well, 2) converting to a non-injection well, and 3) in the case of an Area Permit, before closure of the project.

### **2. Well Plugging Requirements**

Prior to abandonment, the injection well shall be plugged with cement in a manner which isolates the injection zone and prevents the movement of fluids into or between underground sources of drinking water, and in accordance with 40 CFR 146.10 and other applicable Federal, State or local law or regulations. Tubing, packer and other downhole apparatus shall be removed. Cement with additives such as accelerators and retarders that control or enhance cement properties may be used for plugs; however, volume-extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.6 lb/gal shall be placed between all plugs. A minimum 50 ft surface plug shall be set inside and outside of the surface casing to seal pathways for fluid migration into the subsurface. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. Prior to placement of the cement plug(s) the well shall be in a state of static equilibrium with the mud weight equalized top to bottom, either by circulating the mud in the well at least once or by a comparable method prescribed by the Director.

### **3. Approved Plugging and Abandonment Plan.**

The approved plugging and abandonment plan is incorporated into this Permit as APPENDIX E. Changes to the approved plugging and abandonment plan must be approved by the Director prior to beginning plugging operations. The Director also may require revision of the approved plugging and abandonment plan at any time prior to plugging the well.

### **4. Forty Five (45) Day Notice of Plugging and Abandonment.**

The Permittee shall notify the Director at least forty-five (45) days prior to plugging and abandoning a well and provide notice of any anticipated change to the approved plugging and abandonment plan.

### **5. Plugging and Abandonment Report.**

Within sixty (60) days after plugging a well, the Permittee shall submit a report (EPA Form 7520-13) to the Director. The plugging report shall be certified as accurate by the person who performed the plugging operation. Such report shall consist of either:

- (a) A statement that the well was plugged in accordance with the approved plugging and abandonment plan; or
- (b) Where actual plugging differed from the approved plugging and abandonment plan, an updated version of the plan, on the form supplied by the Director, specifying the differences.

### **6. Inactive Wells.**

After any period of two years during which there is no injection the Permittee shall plug and abandon the well in accordance with Part II Section E Paragraph 2 of this Permit unless the Permittee:

- (a) Provides written notice to the Director;
- (b) Describes the actions or procedures the Permittee will take to ensure that the well will not endanger USDWs during the period of inactivity. These actions and procedures shall include compliance with mechanical integrity demonstration, Financial Responsibility and all other permit requirements designed to protect USDWs; and
- (c) Receives written notice by the Director temporarily waiving plugging and abandonment requirements.

## PART III. CONDITIONS APPLICABLE TO ALL PERMITS

### Section A. EFFECT OF PERMIT

The Permittee is allowed to engage in underground injection in accordance with the conditions of this Permit. The Permittee shall not construct, operate, maintain, convert, plug, abandon, or conduct any other activity in a manner that allows the movement of fluid containing any contaminant into underground sources of drinking water, if the presence of that contaminant may cause a violation of any primary drinking water regulation under 40 CFR 142 or may otherwise adversely affect the health of persons. Any underground injection activity not authorized by this Permit or by rule is prohibited. Issuance of this Permit does not convey property rights of any sort or any exclusive privilege; nor does it authorize any injury to persons or property, any invasion of other private rights, or any infringement of any other Federal, State or local law or regulations. Compliance with the terms of this Permit does not constitute a defense to any enforcement action brought under the provisions of Section 1431 of the Safe Drinking Water Act (SDWA) or any other law governing protection of public health or the environment, for any imminent and substantial endangerment to human health or the environment, nor does it serve as a shield to the Permittee's independent obligation to comply with all UIC regulations. Nothing in this Permit relieves the Permittee of any duties under applicable regulations.

### Section B. CHANGES TO PERMIT CONDITIONS

#### **1. Modification, Reissuance, or Termination.**

The Director may, for cause or upon a request from the Permittee, modify, revoke and reissue, or terminate this Permit in accordance with 40 CFR 124.5, 144.12, 144.39, and 144.40. Also, this Permit is subject to minor modification for causes as specified in 40 CFR 144.41. The filing of a request for modification, revocation and reissuance, termination, or the notification of planned changes or anticipated noncompliance on the part of the Permittee does not stay the applicability or enforceability of any condition of this Permit.

#### **2. Conversions.**

The Director may, for cause or upon a written request from the Permittee, allow conversion of the well from a Class II injection well to a non-Class II well. Conversion may not proceed until the Permittee receives written approval from the Director. Conditions of such conversion may include but are not limited to, approval of the proposed well rework, follow up demonstration of mechanical integrity, well-specific monitoring and reporting following the conversion, and demonstration of practical use of the converted configuration.

#### **3. Transfer of Permit.**

Under 40 CFR 144.38, this Permit is transferable provided the current Permittee notifies the Director at least thirty (30) days in advance of the proposed transfer date (EPA Form 7520-7) and provides a written agreement between the existing and new Permittees containing a specific date for transfer of Permit responsibility, coverage and liability between them. The notice shall adequately demonstrate that the financial responsibility requirements of 40 CFR 144.52(a)(7) will be met by the new Permittee. The Director may require modification or revocation and reissuance of the Permit to change the name of the Permittee and incorporate such other requirements as may be necessary under the Safe Drinking Water Act; in some cases, modification or revocation and reissuance is mandatory.

#### **4. Permittee Change of Address.**

Upon the Permittee's change of address, or whenever the operator changes the address where monitoring records are kept, the Permittee must provide written notice to the Director within 30 days.

#### **5. Construction Changes, Workovers, Logging and Testing Data**

The Permittee shall give advance notice to the Director, and shall obtain the Director's written approval prior to any physical alterations or additions to the permitted facility. Alterations or workovers shall meet all conditions as set forth in this permit. The Permittee shall record any changes to the well construction on a Well Rework Record (EPA Form 7520-12), and shall provide this and any other record of well workovers, logging, or test data to EPA within sixty (60) days of completion of the activity.

Following the completion of any well workovers or alterations which affect the casing, tubing, or packer, a successful demonstration of mechanical integrity (Part III, Section F of this Permit) shall be made, and written authorization from the Director received, prior to resuming injection activities.

### **Section C. SEVERABILITY**

The Provisions of this Permit are severable, and if any provision of this Permit or the application of any provision of this Permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this Permit shall not be affected thereby.

### **Section D. CONFIDENTIALITY**

In accordance with 40 CFR Part 2 and 40 CFR 144.5, information submitted to EPA pursuant to this Permit may be claimed as confidential by the submitter. Any such claim must be asserted at the time of submission by stamping the words "confidential business information" on each page containing such information. If no claim is made at the time of submission, EPA may make the information available to the public without further notice. If a claim is asserted, the validity of the claim will be assessed in accordance with the procedures in 40 CFR Part 2 (Public Information). Claims of confidentiality for the following information will be denied:

- The name and address of the Permittee, and
- information which deals with the existence, absence or level of contaminants in drinking water.

### **Section E. GENERAL PERMIT REQUIREMENTS**

#### **1. Duty to Comply.**

The Permittee must comply with all conditions of this Permit. Any noncompliance constitutes a violation of the Safe Drinking Water Act (SDWA) and is grounds for enforcement action; for Permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application; except that the Permittee need not comply with the provisions of this Permit to the extent and for the duration such noncompliance is authorized in an emergency permit under 40 CFR 144.34. All violations of the SDWA may subject the Permittee to penalties and/or criminal prosecution as specified in Section 1423 of the SDWA.

**2. Duty to Reapply.**

If the Permittee wishes to continue an activity regulated by this Permit after the expiration date of this Permit, under 40 CFR 144.37 the Permittee must apply for a new permit prior to the expiration date.

**3. Need to Halt or Reduce Activity Not a Defense.**

It shall not be a defense for a Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this Permit.

**4. Duty to Mitigate.**

The Permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this Permit.

**5. Proper Operation and Maintenance.**

The Permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the Permittee to achieve compliance with the conditions of this Permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of this Permit.

**6. Permit Actions.**

This Permit may be modified, revoked and reissued or terminated for cause. The filing of a request by the Permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

**7. Property Rights.**

This Permit does not convey any property rights of any sort, or any exclusive privilege.

**8. Duty to Provide Information.**

The Permittee shall furnish to the Director, within a time specified, any information which the Director may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The Permittee shall also furnish to the Director, upon request, copies of records required to be kept by this Permit. The Permittee is required to submit any information required by this Permit or by the Director to the mailing address designated in writing by the Director.

**9. Inspection and Entry.**

The Permittee shall allow the Director, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to:

- (a) Enter upon the Permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this Permit;

- (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Permit;
- (c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Permit; and,
- (d) Sample or monitor at reasonable times, for the purpose of assuring permit compliance or as otherwise authorized by the SDWA, any substances or parameters at any location.

**10. Signatory Requirements.**

All applications, reports or other information submitted to the Director shall be signed and certified according to 40 CFR 144.32. This section explains the requirements for persons duly authorized to sign documents, and provides wording for required certification.

**11. Reporting Requirements.**

- (a) Planned changes. The Permittee shall give notice to the Director as soon as possible of any planned changes, physical alterations or additions to the permitted facility, and prior to commencing such changes.
- (b) Anticipated noncompliance. The Permittee shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- (c) Monitoring Reports. Monitoring results shall be reported at the intervals specified in this Permit.
- (d) Compliance schedules. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted no later than 30 days following each schedule date.
- (e) Twenty-four hour reporting. The Permittee shall report to the Director any noncompliance which may endanger human health or the environment, including:
  - (i) Any monitoring or other information which indicates that any contaminant may cause endangerment to a USDW; or
  - (ii) Any noncompliance with a permit condition or malfunction of the injection system which may cause fluid migration into or between USDWs.

Information shall be provided, either directly or by leaving a message, within twenty-four (24) hours from the time the permittee becomes aware of the circumstances by telephoning (800) 227-8917 and requesting EPA Region VIII UIC Program Compliance and Technical Enforcement Director, or by contacting the EPA Region VIII Emergency Operations Center at (303) 293-1788.

In addition, a follow up written report shall be provided to the Director within five (5) days of the time the Permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause, the period of noncompliance including exact dates and times, and if the noncompliance has not been corrected the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.

- (f) Oil Spill and Chemical Release Reporting: The Permittee shall comply with all reporting requirements related to the occurrence of oil spills and chemical releases by contacting the National Response Center (NRC) at (800) 424-8802, (202) 267-2675, or through the NRC website <http://www.nrc.uscg.mil/index.htm>.
- (g) Other Noncompliance. The Permittee shall report all instances of noncompliance not reported under paragraphs Part III, Section E Paragraph 11(b) or Section E, Paragraph 11(e) at the time the monitoring reports are submitted. The reports shall contain the information listed in Paragraph 11(e) of this Section.
- (h) Other information. Where the Permittee becomes aware that it failed to submit any relevant facts in the permit application, or submitted incorrect information in a permit application or in any report to the Director, the Permittee shall promptly submit such facts or information to the Director.

## Section F. FINANCIAL RESPONSIBILITY

### **1. Method of Providing Financial Responsibility.**

The Permittee shall maintain continuous compliance with the requirement to maintain financial responsibility and resources to close, plug, and abandon the underground injection well(s). No substitution of a demonstration of financial responsibility shall become effective until the Permittee receives written notification from the Director that the alternative demonstration of financial responsibility is acceptable. The Director may, on a periodic basis, require the holder of a permit to revise the estimate of the resources needed to plug and abandon the well to reflect changes in such costs and may require the Permittee to provide a revised demonstration of financial responsibility.

### **2. Insolvency.**

In the event of:

- (a) the bankruptcy of the trustee or issuing institution of the financial mechanism; or
- (b) suspension or revocation of the authority of the trustee institution to act as trustee; or

- (c) the institution issuing the financial mechanism losing its authority to issue such an instrument

the Permittee must notify the Director in writing, within ten (10) business days, and the Permittee must establish other financial assurance or liability coverage acceptable to the Director within sixty (60) days after any event specified in (a), (b), or (c) above.

The Permittee must also notify the Director by certified mail of the commencement of voluntary or involuntary proceedings under Title 11 (Bankruptcy), U.S. Code naming the owner or operator as debtor, within ten (10) business days after the commencement of the proceeding. A guarantor, if named as debtor of a corporate guarantee, must make such a notification as required under the terms of the guarantee.

## APPENDIX A

### WELL CONSTRUCTION REQUIREMENTS

The RBU 4-22F well was drilled to a total depth (TD) of 6250. The plug back total depth (PBTD) is 6190'.

Surface Casing: A 8 5/8" 24# K-55 ST&C casing was set at 374' in a 12 1/4" hole and cemented to surface with 230 sx of Class G cement.

Production Casing: A 5 1/2" 17# K-55 & N-80 LT&C casing was set in a 7 7/8" hole at 6228' with 833 sx of cement. The operator identifies the TOC at approximately 750' based on the CBL, however, it appears that there is some cement to about 100'. Calculated TOC is 851' using the reported 833 sx of cement.

Perforations: The schematic diagram shows the existing and proposed injection perforations into the Lower Green River and Green River Brown Zone.

A CIBP was installed at 5550'.

The conversion program includes placing approximately 100' of cement on top of the CIBP at 5500' and setting a CICR at approximately 4524', and placing approximately 100' of cement on top. Perforations will be made in the Lower Green River between approximately 3351' and 3452' and Green River Brown Zone between approximately 3897' and 3923'. Tubing and packer will be installed no higher than 100 feet of the top open perforation in the Lower Green River.

SPUDED 07/31/85  
COMPLETED 09/14/85  
CURRENT STATUS: SI

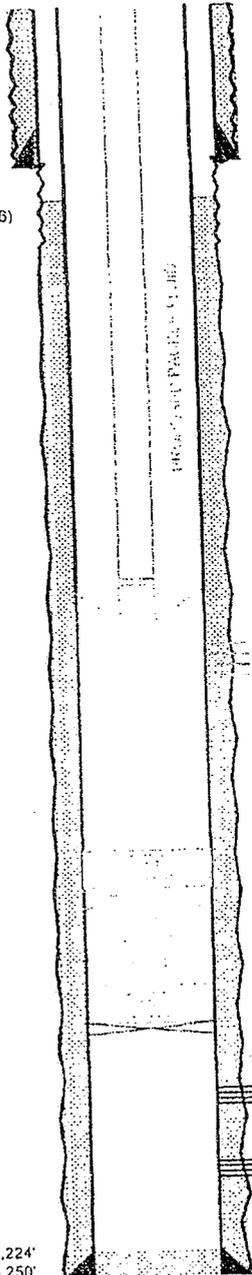
# ATTACHMENT "M" CONSTRUCTION DETAIL PROPOSED SWD CONVERSION XTO ENERGY

KB: 5,092'  
GL: 5,081'  
CORR: 11'

891' FNL & 1,164' FWL, SEC 22-T10S-R20E, UINTAH, UTAH  
API: 43-047-31615

UNLESS STATED ALL DEPTHS ARE MEASURED  
WELLBORE DIAGRAM NOT DRAWN TO SCALE

TOC @ 750' (CBL 8/31/06)



12-1/2" BIT  
8-5/8", 24#, K-55 ST&C CSG @ 374'  
CMTD W190 SX CL G, TOPOUT W140 SX G  
TOC @ SURF

PROPOSED SWD CONVERSION  
CIBP @ 5,550' (06/24/04)  
CHAPITA WELLS: 5,606'-5,626' (22 SHOTS)  
CHAPITA WELLS: 5,872'-5,880' (18 SHOTS)

NEW GREEN RIVER PRODUCTION  
5,872' TO 5,880' (18 SHOTS)  
5,606' TO 5,626' (22 SHOTS)

UNLESS STATED ALL DEPTHS ARE MEASURED  
WELLBORE DIAGRAM NOT DRAWN TO SCALE

TOC @ 750'  
CIBP @ 5,550' (06/24/04)  
CHAPITA WELLS: 5,606'-5,626' (22 SHOTS)  
CHAPITA WELLS: 5,872'-5,880' (18 SHOTS)

TOC @ 750'

CIBP @ 5,550' (06/24/04)

CHAPITA WELLS: 5,606'-5,626' (22 SHOTS)

CHAPITA WELLS: 5,872'-5,880' (18 SHOTS)

7-7/8" BIT  
5-1/2", 17#, N-80 & K-55, LT&C CSG @ 6,228'  
CMTD W833 SX CMT  
DID NOT CIRC CMT TO SURF. TOC @ 300'

LTD: 6,224'  
DTD: 6,250'

UT21123-07612\_Constr\_RBU4-22F.jpg

## APPENDIX B

### LOGGING AND TESTING REQUIREMENTS

#### Logs.

Logs will be conducted according to current UIC guidance. It is the responsibility of the Permittee to obtain and use guidance prior to conducting any well logging required as a condition of this permit.

#### NO LOGGING REQUIREMENTS

#### Tests.

Tests will be conducted according to current UIC guidance. It is the responsibility of the Permittee to obtain and use guidance prior to conducting any well test required as a condition of this permit.

WELL NAME: RBU 4-22F

TYPE OF TEST	DATE DUE
Radioactive Tracer Survey (2)	Prior to authorization to inject (unless a limited authorization to inject is obtained in order to produce a valid test) and at least once every 5 years after the last successful demonstration of Part II MI
Standard Annulus Pressure	Prior to receiving authorization to inject and at least once every five (5) years after the last successful demonstration of Part I Mechanical Integrity
Pore Pressure	Prior to receiving authorization to inject
Step Rate Test	Prior to receiving authorization to inject. The SRT shall be performed following current EPA guidance.
Injection Zone Water Sample	Prior to receiving authorization to inject, a representative sample (stabilized specific conductivity from three successive swab runs) from the injection zone will be analyzed for TDS, pH, Specific Gravity and Specific Conductivity

# APPENDIX C

## OPERATING REQUIREMENTS

### MAXIMUM ALLOWABLE INJECTION PRESSURE:

Maximum Allowable Injection Pressure (MAIP) as measured at the surface shall not exceed the pressure(s) listed below.

WELL NAME	MAXIMUM ALLOWED INJECTION PRESSURE (psi)
	ZONE 1 (Upper)
RBU 4-22F	985

### INJECTION INTERVAL(S):

Injection is permitted only within the approved injection interval listed below. Injection perforations may be altered provided they remain within the approved injection interval and the Permittee provides notice to the Director in accordance with Part II, Section A, Paragraph 6. Specific injection perforations can be found in Appendix A.

WELL NAME: RBU 4-22F

FORMATION NAME	APPROVED INJECTION INTERVAL (KB, ft)		FRACTURE GRADIENT (psi/ft)
	TOP	BOTTOM	
Lower Green River	3,340.00	3,891.00	0.740
Brown Zone	3,891.00	3,988.00	0.740

### ANNULUS PRESSURE:

The annulus pressure shall be maintained at zero (0) psi as measured at the wellhead. If this pressure cannot be maintained, the Permittee shall follow the procedures listed under Part II, Section C. 6. of this permit.

### MAXIMUM INJECTION VOLUME:

There is no limitation on the number of barrels per day (bbls/day) of water that shall be injected into this well, provided further that in no case shall injection pressure exceed that limit shown in Appendix C.

## APPENDIX D

### MONITORING AND REPORTING PARAMETERS

This is a listing of the parameters required to be observed, recorded, and reported. Refer to the permit Part II, Section D, for detailed requirements for observing, recording, and reporting these parameters.

<b>OBSERVE WEEKLY AND RECORD AT LEAST ONCE EVERY THIRTY DAYS</b>	
<b>OBSERVE AND RECORD</b>	Injection pressure (psig)
	Annulus pressure(s) (psig)
	Injection rate (bbl/day)
	Fluid volume injected since the well began injecting (bbls)
<b>ANNUALLY</b>	
<b>ANALYZE</b>	Injected fluid total dissolved solids (mg/l)
	Injected fluid specific gravity
	Injected fluid specific conductivity
	Injected fluid pH
<b>ANNUALLY</b>	
<b>REPORT</b>	Each month's maximum and averaged injection pressures (psig)
	Each month's maximum and minimum annulus pressure(s) (psig)
	Each month's injected volume (bbl)
	Fluid volume injected since the well began injecting (bbl)
	Written results of annual injected fluid analysis
	Sources of all fluids injected during the year

In addition to these items, additional Logging and Testing results may be required periodically. For a list of those items and their due dates, please refer to **APPENDIX B - LOGGING AND TESTING REQUIREMENTS**.

## APPENDIX E

### PLUGGING AND ABANDONMENT REQUIREMENTS

Prior to plugging the well, run a Mechanical Integrity Test, pull tubing and packer, and repair any casing leaks.

At a minimum, the following plugs are required (PLUG NO. 1 and NO. 2 is part of conversion program to SWD well):

PLUG NO. 3: Set a CICR at approximately 3301' and pump and squeeze cement into the perforation and provide coverage to at least a depth of 4058'. Place approximately 100' of cement on top of the CICR.

PLUG NO. 4: Set a balance plug across Bird's Nest Formation from approximately 1576' to 1724'.

PLUG NO. 5: Set a balance plug across Uintah/Green River Interface from approximately 1103' to 1203'.

PLUG NO. 6: Set a surface plug inside and outside 5 1/2" casing from approximately 450' to surface, to cover the surface casing footing at 374'.

#### NOTE:

Plug placement must be verified by tagging the top of the plug after the cement has had adequate time to set.

Water-based muds, or brines containing a plugging gel, with a density of at least 9.2 lb/gal should be used during plugging operations, and should remain between plugs in the well after cement plug placement.

SPUDED: 07/31/85  
 COMPLETED: 09/14/85  
 CURRENT STATUS: SI

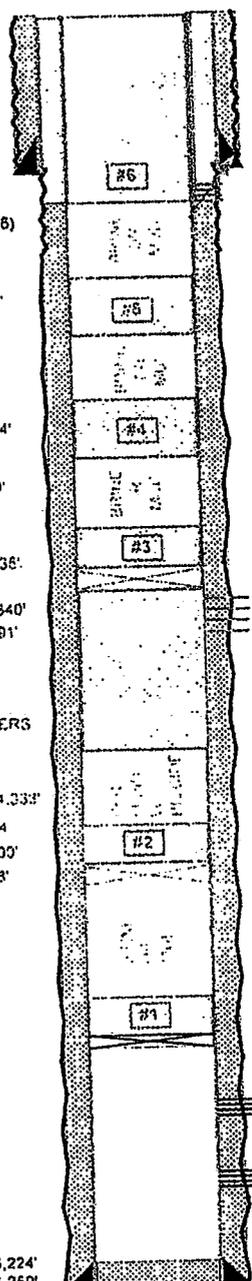
ATTACHMENT "M" CONSTRUCTION DETAIL  
PROPOSED P&A PLAN  
 XTO ENERGY

KB: 5,092'  
 GL: 5,081'  
 CORR 11'

RIVER BEND UNIT 4-22F  
 891' FNL & 1,164' FWL, SEC 22-T10S-R20E, UINTAH, UTAH  
 API: 43-047-31615

UNLESS STATED ALL DEPTHS ARE MEASURED  
 WELLBORE DIAGRAM NOT DRAWN TO SCALE

UINTA U-1.153'



TOC @ 750' (CBL 8/31/08)

GREEN RIVER 1.153'-1.626'

BIRD'S NEST 1.626'-1.674'  
 GR 1.674'-1.947'  
 MAHOGONY 1.947'-2.149'

GR 2.149'-3.284'  
 GR CONFINING 3.284'-3.336'

L. GR CONFINING 3.336'-3.340'  
 L. GR INJECT ZN 3.340'-3.691'  
 BROWN ZN INJECT ZN  
 3.691'-3.988'

WASATCH CONFINING LAYERS  
 3.988'-4.008'

WASATCH TONGUE 3.988'-4.338'  
 GR TONGUE 4.338'-4.474'  
 LOWERMOST USDW- 4.500'  
 WASATCH 4.474'-6.228'

LTD: 6,224'  
 DTD: 6,250'

12-1/4" BIT  
 8-5/8", 24#, K-55 ST&C CSG @ 374'  
 CMTD W/190 SX CL G, TOPOUT W/40 SX G  
 TOC @ SURF

PERM. BONDING 3.82-4.50'  
 PERM. BONDING 4.50'-5.00' (CBL 8/31/08)  
 PERM. BONDING 5.00'-5.550'

SET BALANCE PLUS PERM. BONDING TO 734'  
 (COVERS PERM. BONDING)

SET BALANCE PLUS PERM. BONDING TO 734'  
 (COVERS PERM. BONDING)

CMT W/190 SX CL G  
 PUMP CMT W/190 SX CL G TO 4,018'  
 SPOT CMT W/190 SX CL G ON TOP OF RELINER

NEW GREEN RIVER PROPOSED PERFS  
 3.351'-3.417', 3.427'-3.482', 3.497'-3.552',  
 4.357' (40' HOLE)

PROPOSED CMT FOR ALL PLUGS:  
 CLASS G @ 15.5 PPG  
 VOLUME 1.157 BBL

PERM. BONDING 3.82-4.50', 4.50'-5.00', 5.00'-5.550'  
 PERM. BONDING 4.50'-5.00' (CBL 8/31/08)

SPOT CMT W/190 SX CL G ON TOP OF RELINER

CIBP @ 5,550' (08/24/04)

CHAPITA WELLS: 5,608'-5,628' (22 SHOTS)

CHAPITA WELLS: 5,872'-5,880' (18 SHOTS)

7-7/8" BIT  
 5-1/2", 17#, N-80 & K-55, LT&C CSG @ 6,228'  
 CMTD W/833 SX CMT  
 DID NOT CIRC CMT TO SURF. TOC @ 300'



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8

1595 Wynkoop Street  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>

Ref: 8P-W-GW

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

OCT 07 2009

Michael Logan  
XTO Energy, Inc.  
382 Road 3100  
Aztec, NM 87410

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
**FOR RECORD ONLY**

RE: Authorization to Inject and  
Minor Modification: Increase in Maximum  
Allowable Injection Pressure (MAIP) and  
Well Diagram Modification  
EPA UIC Permit UT21123-07612  
Well: RBU 4-22F  
Uintah County, UT

43 047 31615  
10S 20E 22

Dear Mr. Logan:

Thank you for submitting information regarding completion of construction and testing for the above referenced injection well. Your UIC Permit required submittal of the following information to the Director:

1. Completed EPA Form No. 7520-12
2. New injection well diagram
3. Mechanical Integrity Test (MIT) Part I results
4. Radioactive Tracer Survey (RTS)
5. Step Rate Test (SRT) results
6. Water samples from each of the proposed injection zone
7. Pore pressure calculation

The fracture gradient determined from the SRT submitted for the Brown Zone was 0.8 psi/ft. The new MAIP for RBU 4-22F is now increased from 945 psi to 1396 psi. In order to inject at pressures greater than the permitted MAIP, prior authorization must be obtained from the Director.

A new well diagram has also been submitted. The Lower Green River was never perforated and the only zone open for injection is the Brown Zone. Should the Lower Green River be used for injection in the future, the Lower Green River will be isolated, a step rate test conducted and a new MAIP determined prior to continual injection.

The RTS submitted for this well did not show movement above the injection zone, however it did show activity below the injection zone. Discussions with the operator indicated this may have been a problem with the RTS equipment leaking rather than an indication of movement behind pipe. The cement bond log shows good cement (greater than 80% bond index). Within a month of injecting into the RBU 4-22F, XTO Energy will rerun and submit the results of the test.

Effective upon the receipt of this letter, Administrative approval hereby is granted for injection under the conditions of your Permit as modified by the condition stated above in this letter. Please be reminded that it is the responsibility of the owner/operator to be aware of, and to comply with, all conditions of the RBU 4-22F Permit UT21123-07612 and relevant modifications as issued.

As of this approval, responsibility for permit compliance and enforcement is transferred to the Region 8 UIC Technical Enforcement Program office. Please direct all future notification, reporting, monitoring and compliance correspondence to the following address, referencing your UIC Permit number and well name.

US EPA Region 8  
UIC Technical Enforcement Program  
Attn: Nathan Wisner  
Mail Code: 8ENF-UFO  
1595 Wynkoop Street  
Denver, CO 80202-1129

If you have any questions regarding this Authorization to Inject and Minor Modification to the Permit, please call Wendy Cheung of my staff at (303) 312-6242.

Sincerely,



Steven J. Pratt, P.E. CAPM (inactive)  
Director  
Ground Water Program

cc:

Uintah & Ouray Business Committee:  
Curtis Cesspooch, Chairman  
Irene Cuch, Vice-Chairwoman  
Steven Cesspooch, Councilman

Phillip Chimburas, Councilman  
Ronald Groves, Councilman  
Frances Poowegup, Councilwoman

Ferron Secakuku  
Director, Natural Resources  
Ute Indian Tribe

Larry Love  
Director of Energy & Minerals Dept.  
Ute Indian Tribe

Gil Hunt  
Associate Director  
Utah Division of Oil, Gas, and Mining

Daniel Picard  
BIA - Uintah & Ouray Indian Agency

Fluid Minerals Engineering Office  
BLM - Vernal Office

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-0143521-A
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> RIVER BEND
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> RBU 4-22F
<b>2. NAME OF OPERATOR:</b> XTO ENERGY INC	<b>9. API NUMBER:</b> 43047316150000
<b>3. ADDRESS OF OPERATOR:</b> 382 Road 3100 , Aztec, NM, 87410	<b>PHONE NUMBER:</b> 505 333-3159 Ext
<b>4. LOCATION OF WELL FOOTAGES AT SURFACE:</b> 0891 FNL 1164 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 22 Township: 10.0S Range: 20.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES  <b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 1/19/2010	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input checked="" type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: 1ST INJECTION

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
 XTO Energy Inc. started injecting wtr in this well @ 800 hours on 01/19/10.  
 Rate 1,000 BWPDP, @ 880 psig. Pmpd 319 bbls in 8 hrs. SWI. Will pump wtr during day time to monitor all kills.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 January 25, 2010

<b>NAME (PLEASE PRINT)</b> Barbara Nicol	<b>PHONE NUMBER</b> 505 333-3642	<b>TITLE</b> Regulatory Compliance Tech
<b>SIGNATURE</b> N/A	<b>DATE</b> 1/25/2010	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-0143521-A
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**11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion: 2/4/2010	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
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	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: MIT

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.**

XTO Energy Inc. has performed a MIT on this injection well. Please see the attached Summary Report, XTO Verbal Approval Form, BHA diagram, MIT form & chart for more information.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 February 16, 2010

<b>NAME (PLEASE PRINT)</b> Barbara Nicol	<b>PHONE NUMBER</b> 505 333-3642	<b>TITLE</b> Regulatory Compliance Tech
<b>SIGNATURE</b> N/A		<b>DATE</b> 2/10/2010

**RBU 4-22F SWD Permit # UT21123-07612**

XTO started injecting on 1-19-2010.

1-27-2010: The annular pressure was recorded @ 880 psi. (Same as tbg). At this point injection was stopped.

1/28/2010: A 1.79'' XN profile plug was set in the nipple below the PLS packer @ 3845' isolating the Perfs. The well bore was pressure tested. It was determined that the seal assembly in the on/off tool was bad.

2/2/2010: A pulling unit was rigged up and the tubulars were released from the PLS packer @ 3820'. Then the tubulars were pulled from the well bore.

2/3/2010: New seals were installed in the on/off tool. Tubulars were reinstalled in the well bore and tested to 3000 psi.

2/4/2010: The annular was chart tested to 1500 psig for 1hr w/0% leak, 2000 psig 40 mins. w/0% leak. The 1.79'' XN profile plug was pulled from the well bore.

XTO is currently awaiting for permission to start injection as per permit guidelines.





# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency Region 8  
Underground Injection Control Program  
1595 Wynkoop Street, Denver, CO 80202-1129

EPA Witness: \_\_\_\_\_

Date: 2 / 04 / 2010

Test conducted by: B&C Quick Test

Others present: Pat Wisener, VTO Bob Davis HEC. Gerald Chapoose KES.

Well Name: <u>RBU 4-22F</u>	Type: ER <u>(SWD)</u>	Status: AC TA UC
Field: _____		
Location: <u>River Bend</u> Sec: <u>22</u> T <u>10</u> N <u>(S)</u> R <u>20(E)</u> W County: <u>Uintah</u> State: <u>UTAH</u>		
Operator: _____		
Last MIT: _____ / _____ / _____ Maximum Allowable Pressure: <u>1396</u> PSIG		

Is this a regularly scheduled test? [ ] Yes [X] No

Initial test for permit? [ ] Yes [X] No

Test after well rework? [X] Yes [ ] No

Well injecting during test? [ ] Yes [X] No If Yes, rate: \_\_\_\_\_ bpd

Pre-test casing/tubing annulus pressure: 880 / 880 psig

MIT DATA TABLE		Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>				
Initial Pressure		<u>890</u> psig	<u>890</u> psig	psig
End of test pressure		<u>890</u> psig	<u>890</u> psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>				
0 minutes		<u>1500</u> psig	<u>2,000</u> psig	psig
5 minutes		<u>1500</u> psig	<u>2,000</u> psig	psig
10 minutes		<u>1500</u> psig	<u>2,000</u> psig	psig
15 minutes		<u>1500</u> psig	<u>2,000</u> psig	psig
20 minutes		<u>1500</u> psig	<u>2,000</u> psig	psig
25 minutes		<u>1500</u> psig	<u>2,000</u> psig	psig
30 minutes		<u>1500</u> psig	<u>2,000</u> psig	psig
<u>45</u> minutes		<u>1500</u> psig	<u>2,000</u> psig	psig
<u>60</u> minutes		<u>1500</u> psig	psig	psig
<b>RESULT</b>		[ ] Pass [ ] Fail	[ ] Pass [ ] Fail	[ ] Pass [ ] Fail

Does the annulus pressure build back up after the test? [ ] Yes [X] No

# MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

51 gals pumped to Achieve 2,000 psi  
Chart Recorded (Enclosed) Annular bled to zero

Signature of Witness: Pat Wisener Xto Energy

## OFFICE USE ONLY - COMPLIANCE FOLLOWUP

Staff \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Do you agree with the reported test results?  YES  NO

If not, why?

Possible violation identified?  YES  NO

If YES, what

If YES - followup initiated?  YES

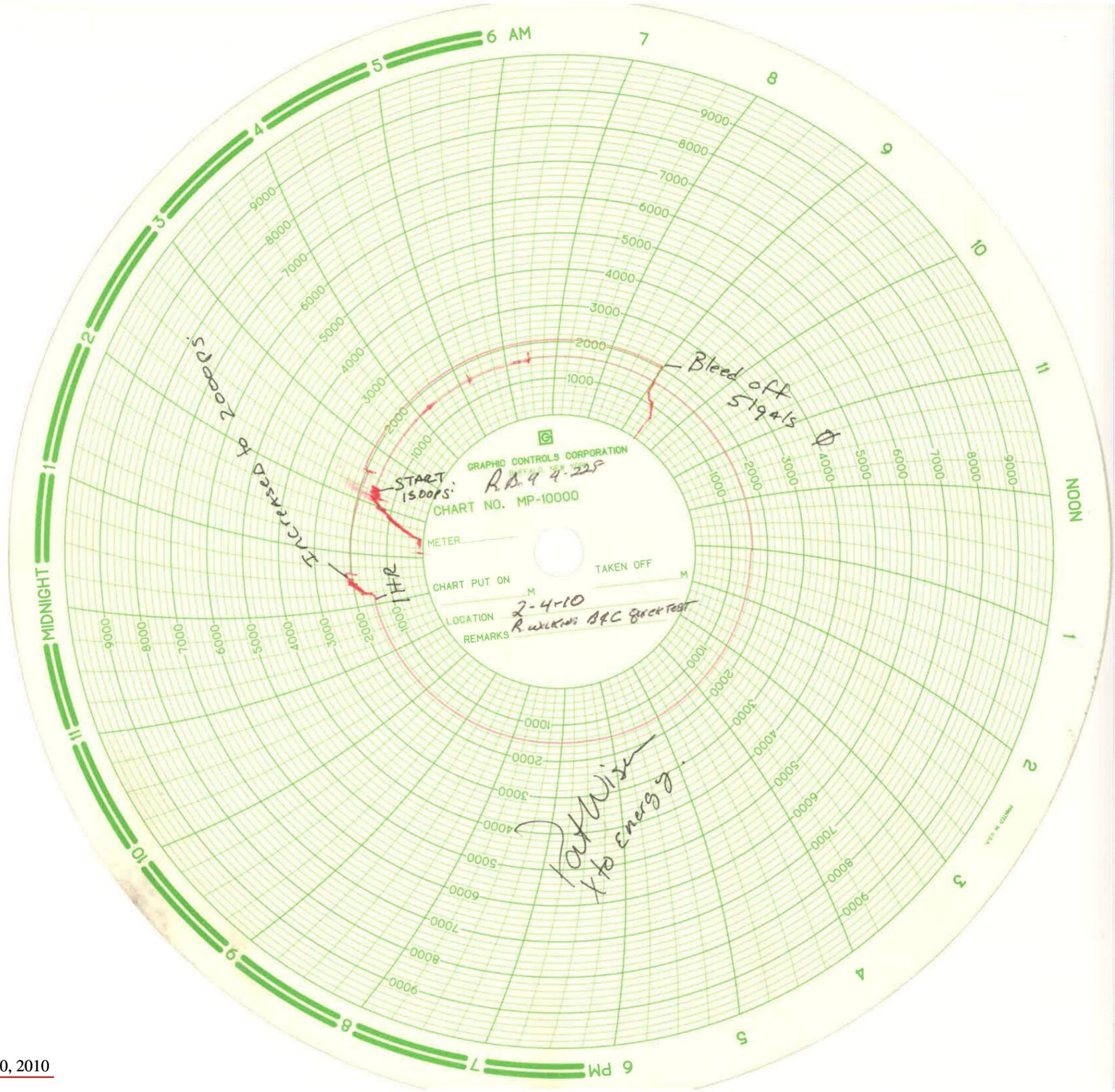
NO - why not?

Data Entry

Compliance Staff

2<sup>nd</sup> Data Entry

Hardcopy Filing



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-0143521-A
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<b>3. ADDRESS OF OPERATOR:</b> 382 Road 3100 , Aztec, NM, 87410	<b>PHONE NUMBER:</b> 505 333-3159 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0891 FNL 1164 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 22 Township: 10.0S Range: 20.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES  <b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH

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<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 2/10/2010	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
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	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: RE-INJECTION

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

XTO Energy Inc. resumed injection of this SWD well @ 2200 hours on 2/10/2010 after receiving permission from the EPA.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 March 08, 2010

<b>NAME (PLEASE PRINT)</b> Barbara Nicol	<b>PHONE NUMBER</b> 505 333-3642	<b>TITLE</b> Regulatory Compliance Tech
<b>SIGNATURE</b> N/A		<b>DATE</b> 3/4/2010

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-0143521-A
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**11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion: 2/10/2010	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input checked="" type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: RE-INJECTION

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.**

XTO Energy Inc. resumed injection of this SWD well @ 2200 hours on 2/10/2010 after receiving permission from the EPA.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 March 08, 2010

<b>NAME (PLEASE PRINT)</b> Barbara Nicol	<b>PHONE NUMBER</b> 505 333-3642	<b>TITLE</b> Regulatory Compliance Tech
<b>SIGNATURE</b> N/A		<b>DATE</b> 3/4/2010

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-0143521-A
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> RIVER BEND
<b>1. TYPE OF WELL</b> Water Injection Well	<b>8. WELL NAME and NUMBER:</b> RBU 4-22F
<b>2. NAME OF OPERATOR:</b> XTO ENERGY INC	<b>9. API NUMBER:</b> 43047316150000
<b>3. ADDRESS OF OPERATOR:</b> 382 Road 3100 , Aztec, NM, 87410	<b>PHONE NUMBER:</b> 505 333-3159 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0891 FNL 1164 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 22 Township: 10.0S Range: 20.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES  <b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH

**11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 5/3/2010	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input checked="" type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: _____

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.**

XTO Energy Inc. proposes the open additional perfs in the L. Green River formation of this well per the attached procedure. UIC Permit #UT21124-07612.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**

**FOR RECORD ONLY**  
April 20, 2010

<b>NAME (PLEASE PRINT)</b> Dolena Johnson	<b>PHONE NUMBER</b> 505 333-3164	<b>TITLE</b> Regulatory Compliance Tech
<b>SIGNATURE</b> N/A	<b>DATE</b> 4/8/2010	

**River Bend Unit 04-22F  
 Sec 22, T 10 S, R 20 E  
 Uintah County, Utah  
 API: 43-047-31615  
 UIC Permit#: UT21124-07612  
 Convert and Complete SWD**

**Surf csg:** 8-5/8", 24#, K-55 csg @ 374'. Cmt'd w/190 sks G, topout w/40 sks G to surface

**Prod csg:** 5-1/2", 17#, N-80 fr/0-1,614' and 17#, K-55 fr/1,614'-6,228' (5-1/2", 17#, K-55 Capacity = 0.0232 bbls/ft. Burst 5,320 psi, 80%= 4,250 psi.) PBT'D (CIBP @ 5,550').

**Cement:** Cmt'd w/346 sks Hi-Lift Lead and 487 sks Tail. Did not circ cmt to surf. TOC @750'.

**Tbg:** 2-7/8" tbg sub, 2-7/8", 6.5# L-80 lined tbg, cross over, XN nipple, on/off tool, packer, tbg sub, XN nipple, tbg sub, XN nipple, wireline guide. PACKER @ 3,815', EOT @ 3,845'.

**Perforations:** L. Green River Brown Zone 3,897'-3,932'.

**Purpose:** Isolate the Brown zone (3,897'-3,932') with plug and continue completion into L. Green River intervals from 3,351'-3,452'.

1. Locate and test rig anchors. Install and test anchors if required.
2. Set 5 – 500 bbl frac tanks. Fill tanks w/treated water. Set 1 flowback tank.
3. MIRU PU. MI 4,000' 2-7/8", J-55 tbg.
4. ND WH, NU BOP
5. Release packer and TOH with tbg and BHA. Send packer in to Halliburton for redress.
6. TIH w/ 5-1/2" CIBP on 2-7/8" tbg. Set CIBP @ 3,850'. PT plug & csg to 3,000 psi.
7. Swab well down. TOH w/ tbg.
8. Perf Green River with 3-1/8" csg gun with 3 JSPF (Titan EXP-3323-361T, 22.7 gm, 120 deg phasing, 0.36" dia., 35.63" penetration, 210 holes). POH with csg gun, setting tl. & RDMO WL truck.

**L. Green River Perfs**

PERF	HOLES
3,437'-3,452'	45
3,402'-3,416'	42
3,351'-3,392'	123

9. TIH with 5-1/2" RBP and packer on 2-7/8" tbg. Isolate and swab the perforated interval fr/3,437'-3,452' by itself and the intervals 3,402'-3,416' and 3,351'-3,392' together. Swab the intervals until formation water is recovered. Obtain and label a minimum of six samples of formation water and send three each to Halliburton's Vernal lab and Nalco's lab for immediate API analysis (Temp, pH, SG, resistivity, and TDS must be tested). Ask the lab tech to contact Mike Logan (office: 505-333-3141, cell: 505-486-3569) and e-mail results of the water analysis ([Michael\\_Logan@xtoenergy.com](mailto:Michael_Logan@xtoenergy.com)) ASAP. Do not move the tbg and BHA until results are reported.
10. If there's inadequate communication to the formation for obtaining formation water samples then MIRU Fractech acid pump. Load hole and breakdown formation each with treated water @ 3-4 BPM. Shut down and record breakdown pressure, ISDP, and 5". Switch to acid. Pump 250 gals of 7.5% HCl with adds and displace acid into each formation @3-4 BPM. RDMO acidizing equipment.
11. When the produced water (from the two swab tests) have been tested and have satisfied the minimum EPA requirements, unseat packer and release RBP. TOH w/tbg, packer, and RBP.
12. ND BOP, NU frac vlv. Refill frac tanks and biocide if necessary.
13. MIRU Fractech Services. Pressure test surface lines to 5,000 psig. **Max STP 3,500 psi.**
14. Breakdown formation and establish injection. Frac Green River fr/ 3,351'- 3,452' down 5-1/2" casing @ 40 BPM (expected STP 1,500 psi) w/83,500 gals of 20# XL gel (Turquoise 20#) and 200,000 lbs 16/30 Brady sand. Flush to top perf w/ 3,265 gals of linear gel. Record ISIP & 5" SIP.

<u>Stage</u>	<u>Volume (gals)</u>	<u>Fluid</u>	<u>Sd Conc. (ppg)</u>	<u>Proppant</u>	<u>Slurry Rate (BPM)</u>
1 - Pad	23,000 Gal	Turquoise 20#	-	-	40
2 - Proppant Laden	6,000 Gal	Turquoise 20#	0.5	Brady 16/30	40
3 - Proppant Laden	7,000 Gal	Turquoise 20#	1.0	Brady 16/30	40
4 - Proppant Laden	9,500 Gal	Turquoise 20#	2.0	Brady 16/30	40
5 - Proppant Laden	9,500 Gal	Turquoise 20#	3.0	Brady 16/30	40
6 - Proppant Laden	9,500 Gal	Turquoise 20#	4.0	Brady 16/30	40
7 - Proppant Laden	9,500 Gal	Turquoise 20#	5.0	Brady 16/30	40
8 - Proppant Laden	9,500 Gal	Turquoise 20#	6.0	Brady 16/30	40
9 - Flush	3,265 Gal	Linear Gel	-	-	40

15. RDMO frac equipment. SWI.
16. We will now perform step rate tests on the Green River interval fr/3,351'-3,452'. Refill 3 frac tanks w/treated water.
17. TIH w/ RBP, pkr & 'X' profile nipple on 2-7/8" tbg. Set RBP @ +/- 3,550' & packer @ +/- 3,300'. Check CCL log to ensure packer is not set in csg collar. Load hole w/treated water.
18. MIRU PLS SL. RIH w/tandem 10,000 psig BHP & BHT bombs to 3,330'. SD, SWI overnight.
19. MIRU pump crew to run step rate test on well. Start pumping as slow as pump truck can pump. Try for initial rate step @ 0.5 BPM. Must have three rate steps below frac point (est. 3.0 bpm) & 3 rate steps above frac point (max rate increment is 0.5 BPM). Pump each step until rate & press stabilize (minimum 20"). Record time, injection rate, injection press, injected volume, & TCA press. RDMO pump crew.

**Step Rate Test (3,351'-3,452')**

<b>Injection Rate</b>	<b>Pressure</b>
0.50 bpm	
1.00 bpm	
1.50 bpm	
2.00 bpm	
2.50 bpm	
3.00 bpm	
3.50 bpm	
4.00 bpm	
4.50 bpm	
5.00 bpm	
6.00 bpm	
7.00 bpm	

20. POH w/BHP & BHT bombs (*do not retrieve BH bombs until morning following step-rate test*).  
RDMO SL. Remove pumping tee on frac valve.

21. Release packer. Retrieve RBP and TOH with BHA and tbg.

22. **Call Utah Division of Oil, Gas & Mining (801-538-5281) 48 hrs in advance of running the injection tbg in order for them to witness the mechanical integrity test.**

23. MI Halliburton toolman. Halliburton will provide the BHA below the 2-7/8" lined tbg.

24. PU and TIH w/ the following nickel plated BHA (from bottom to top)

- 1- 2-7/8" wireline re-entry guide
- 1- 2-7/8" "XN" profile nipple (w/no go)
- 1- 2-7/8"x 10' tbg sub
- 1- 2-7/8" "X" profile nipple
- 1- 2-7/8"x10' tbg sub
- 1- 5-1/2" PLS packer
- 1- XL on-off tool w/built in "X" profile nipple

2-7/8", 6.5#, L-80, EUE, 8rd lined tbg (Western Falcon Enertube) back to surface. Use API minimum torque when making the connections (2-7/8", L-80, 8rd EUE is **1,690 ft/lb**).

25. Set PLS packer @ +/- 3,280', EOT @ +/- 3,303'.

26. MIRU slickline. RIH w/tbg plug on slickline.

27. Set tbg plug in the X profile nipple below the PLS pkr. POOH w/ slickline.

28. Disengage the on/off tool fr/ pkr.

29. MIRU pump trk. Circ the hole by pumping 95 bbls packer fluid (2% KCl water w/corrosion inhibitor and oxygen scavenger) down the tbg. Approximately 25 bbls of packer fluid will be circulated to the pit.

30. Re-engage the on/off tool onto the packer.
31. RU slickline unit. RIH and retrieve tbg plug fr/X nipple. POOH w/slickline and tbg plug. RDMO slickline.
32. RU pump truck and press test annulus to 1,000 psig for 30". Record the 30" press test on a chart. Release press, RDMO pump truck. Label and make a copy of the chart. Fill out EPA MIT form, send a copy of MIT form and chart to Farmington office.
33. ND BOP. NU WH.
34. RDMO PU.
35. RU PLS wireline. Run radioactive tracer test (RAT) to ensure no communications above the confining zone. Send a copy of results to EPA and two copies to the Farmington office.

**Regulatory:**

- Water analysis from each zone must be submitted to the EPA to show that the proposed injection zones are not USDW sources (<10,000 mg/l TDS)
- Results of step rates test will need to be submitted to the EPA and request made to change the MAIP (currently 1,396 psi based on the Brown zone step rate test)
- Contact Utah Division of Oil, Gas ,& Mining 48 hrs prior to MIT, fill in EPA MIT form.

**Well Services:**

- Wireline- perforating, set plug, CBL, Per-O-Log or Cased Hole Solutions.
- Slickline/pressure bomb- PLS wireline
- Stimulation- Fractech
- Nickle plated BHA- Halliburton

**Materials:**

- 4,000' 2-7/8" J-55 workstring
- 3,400' of 2-7/8", 6.5#, L-80, EUE, 8rd lined tbg (Western Falcon Enertube)
- Sample bottles (18 minimum) from either Halliburton or Nalco.

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-0143521-A
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<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> RIVER BEND
--	--

<b>1. TYPE OF WELL</b> Water Injection Well	<b>8. WELL NAME and NUMBER:</b> RBU 4-22F
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<b>2. NAME OF OPERATOR:</b> XTO ENERGY INC	<b>9. API NUMBER:</b> 43047316150000
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<b>3. ADDRESS OF OPERATOR:</b> 382 Road 3100 , Aztec, NM, 87410	<b>PHONE NUMBER:</b> 505 333-3159 Ext	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
--	--	--

<b>4. LOCATION OF WELL FOOTAGES AT SURFACE:</b> 0891 FNL 1164 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 22 Township: 10.0S Range: 20.0E Meridian: S	<b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH
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11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion: 5/12/2010	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: MIT

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
 XTO Energy Inc. has performed a MIT on this injection well. Please see the attached Summary Report, MIT form & charts.

Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
**FOR RECORD ONLY**  
 May 20, 2010

<b>NAME (PLEASE PRINT)</b> Barbara Nicol	<b>PHONE NUMBER</b> 505 333-3642	<b>TITLE</b> Regulatory Compliance Tech
<b>SIGNATURE</b> N/A		<b>DATE</b> 5/13/2010

**EXECUTIVE SUMMARY REPORT**

5/1/2010 - 5/13/2010  
Report run on 5/13/2010 at 11:40 AM

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**Riverbend Unit 04-22F SWD**

Section 22-10S-20E, Uintah, Utah, Roosevelt

5/11/2010 SITP 1,025 psig. SICP 1,025 psig. Cont rpt for AFE # 902176 to Convert to SWD well. MIRU PLS SLU. RIH & set 1.875" plg in XN profile nip below 5-1/2" Versa set pkr @ 3,845', perfs fr/3,897' - 3,932'. CIBP w/cmt @ 4,060'. Bd tbg & csg w/no flw after Bd. RDMO SLU. MIRU Key Energy rig #6013. PT tbg to 2,000 psig w/3 bbls 2% KCL wtr. PT bled dwn to 1,500 psig in 5" w/lt flw out csg ann. Rlsd press. ND WH. NU BOP. Rlsd on/off tl abv pkr. LD 6 - 2-7/8" coated tbg subs (10', 8', 6', 4', 2' & 2' ). PT csg to 1,000 psig w/2 bbls 2% KCL wtr for 10". Tstd ok. Rlsd press. TOH w/115 jts 2-7/8" coated tbg. LD 2-7/8" x 2-3/8" xo sub, 2-3/8" X nip & on/off tl. Sent on/off tl into HES yard for PT & redress. SWI & SDFN.

5/12/2010 ===== Riverbend Unit 04-22F SWD =====  
SITP 0 psig. SICP 0 psig. PU redressed & PT'd XL on/off tl w/plg in place, X - profile nip & xo sub. TIH w/on-off tl BHA, 116 jts 2-7/8" Western Falcon lined Enertube tbg & 1 - 2' x 2-7/8" coated tbg sub. PT all tbg & BHA to 2,300 psig w/rig pmp. Tstd gd. Rlsd press. MIRU PLS SLU. RIH & retrv tbg plg fr/X-nip abv on/off tl. RD SL. MIRU Action Hot Oil svc. Mxd 55 gals BJ Techni-Hib 6061 & 5 gal BJ Alfa 13 biocide in 50 bbls 2% KCl wtr. Sptd pkr fluid mix in TCA. RD pmp trk. ND BOP. Engage on/off tl. Ld tbg w/B-I adpt flg in 8 K compression. NU WH. MIRU B&C Quick Test. PT TCA to 1,500 psig for 1 hr. Tstd gd. Incr press to 2,000 psig for 40". Tstd ok. Rlsd press. PT tbg to 1,150 psig for 30". Tstd ok. Rlsd press. Recorded PT's on chart recorder. RDMO Quick test. RU SLU. RIH & retrv plg fr/XN profile nip below 5-1/2" Versa Set pkr @ 3,845'. RDMO SLU. Perfs fr/3,897' - 3,932'. CIBP w/cmt @ 4,060'. SWI. RDMO Key Energy rig #6013. Rpts suspnd. Turn well over to prod dept. WO reg approval to start disposal injection. Repl 1 jt tbg @ 3,065' w/sm pc of Falcon lining broke off on pin end.

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency Region 8  
Underground Injection Control Program  
1595 Wynkoop Street, Denver, CO 80202-1129

EPA Witness: \_\_\_\_\_ Date: 5 / 13 / 2010  
 Test conducted by: BEC Quick Test  
 Others present: Chuck Gardner Bob Davis HEC Gerald Chipoose KES

Well Name: <u>RAU 4-22 F</u>	Type: ER <u>(SWD)</u>	Status: AC TA UC
Field: _____		
Location: <u>Riverbend</u> Sec: <u>22</u> T <u>10</u> N / <u>S</u> R <u>20</u> W County: <u>Windsor</u> State: _____		
Operator: _____		
Last MIT: _____ / _____ / _____ Maximum Allowable Pressure: <u>1396</u> PSIG		

Is this a regularly scheduled test? [ ] Yes [X] No  
 Initial test for permit? [ ] Yes [X] No  
 Test after well rework? [X] Yes [ ] No  
 Well injecting during test? [ ] Yes [X] No If Yes, rate: \_\_\_\_\_ bpd

Pre-test casing/tubing annulus pressure: 875 / 875 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>885</u> psig	<u>885</u> psig	psig
End of test pressure	<u>885</u> psig	<u>885</u> psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1500</u> psig	<u>2,000</u> psig	psig
5 minutes	<u>1500</u> psig	<u>2,000</u> psig	psig
10 minutes	<u>1500</u> psig	<u>2,000</u> psig	psig
15 minutes	<u>1500</u> psig	<u>2,000</u> psig	psig
20 minutes	<u>1500</u> psig	<u>2,000</u> psig	psig
25 minutes	<u>1500</u> psig	<u>2,000</u> psig	psig
30 minutes	<u>1500</u> psig	<u>2,000</u> psig	psig
<u>45</u> minutes	<u>1500</u> psig	<u>2,000</u> psig	psig
<u>60</u> minutes	<u>1500</u> psig	psig	psig
<b>RESULT</b>	[ ] Pass [ ] Fail	[ ] Pass [ ] Fail	[ ] Pass [ ] Fail

Does the annulus pressure build back up after the test? [ ] Yes [X] No

# MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

35 gals. pumped down Ann. to achieve 2,000 PSI  
Chart was recorded (enclosed) Annular bled to zero  
Bled of 35 gals to 0 PSI

Signature of Witness: Chuck Gardner XTO Energy

## OFFICE USE ONLY - COMPLIANCE FOLLOWUP

Staff \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Do you agree with the reported test results?  YES  NO

If not, why?

Possible violation identified?  YES  NO

If YES, what

If YES - followup initiated?  YES

NO - why not?

Data Entry

Compliance Staff

2<sup>nd</sup> Data Entry

Hardcopy Filing

*Increased Press #  
Casing 2000 #*

*40 MIN*

**G**  
GRAPHIC CONTROLS CORPORATION  
BUFFALO, NEW YORK

*XTO*  
CHART NO. MC MP-15000

METER \_\_\_\_\_

CHART PUT ON *5-12-10* M TAKEN OFF \_\_\_\_\_ M

LOCATION *RBU 4-22F*

REMARKS *Big quick test  
Tim Price*

*Blade off  
35 gpm to 0*

*Chuck Gardner  
XTO Energy*

*Chart 2 of 2*

Casina 1600  
1 hour



GRAPHIC CONTROLS CORPORATION  
BUFFALO, NEW YORK

XTO  
CHART NO. MC MP-15000

METER \_\_\_\_\_

CHART PUT ON  
5-12-10 M

TAKEN OFF \_\_\_\_\_ M

LOCATION RBW 4-22F

REMARKS B&C quickest  
Tim Price

Chuck Cashman  
XTO Energy

MADE IN U.S.A.

Chart 10 f2

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-0143521-A
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<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> RIVER BEND
--	--

<b>1. TYPE OF WELL</b> Water Injection Well	<b>8. WELL NAME and NUMBER:</b> RBU 4-22F
--	--

<b>2. NAME OF OPERATOR:</b> XTO ENERGY INC	<b>9. API NUMBER:</b> 43047316150000
---	---

<b>3. ADDRESS OF OPERATOR:</b> 382 Road 3100 , Aztec, NM, 87410	<b>PHONE NUMBER:</b> 505 333-3159 Ext	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
--	--	--

<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0891 FNL 1164 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 22 Township: 10.0S Range: 20.0E Meridian: S	<b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH
---	---

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 5/12/2010	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: MIT

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

XTO Energy Inc. has performed a MIT on this injection well. Please see the attached Summary Report, MIT form & charts.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 May 20, 2010

<b>NAME (PLEASE PRINT)</b> Barbara Nicol	<b>PHONE NUMBER</b> 505 333-3642	<b>TITLE</b> Regulatory Compliance Tech
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/13/2010	

**EXECUTIVE SUMMARY REPORT**

5/1/2010 - 5/13/2010  
Report run on 5/13/2010 at 11:40 AM

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**Riverbend Unit 04-22F SWD**

Section 22-10S-20E, Uintah, Utah, Roosevelt

5/11/2010 SITP 1,025 psig. SICP 1,025 psig. Cont rpt for AFE # 902176 to Convert to SWD well. MIRU PLS SLU. RIH & set 1.875" plg in XN profile nip below 5-1/2" Versa set pkr @ 3,845', perfs fr/3,897' - 3,932'. CIBP w/cmt @ 4,060'. Bd tbg & csg w/no flw after Bd. RDMO SLU. MIRU Key Energy rig #6013. PT tbg to 2,000 psig w/3 bbls 2% KCL wtr. PT bled dwn to 1,500 psig in 5" w/lt flw out csg ann. Rlsd press. ND WH. NU BOP. Rlsd on/off tl abv pkr. LD 6 - 2-7/8" coated tbg subs (10', 8', 6', 4', 2' & 2' ). PT csg to 1,000 psig w/2 bbls 2% KCL wtr for 10". Tstd ok. Rlsd press. TOH w/115 jts 2-7/8" coated tbg. LD 2-7/8" x 2-3/8" xo sub, 2-3/8" X nip & on/off tl. Sent on/off tl into HES yard for PT & redress. SWI & SDFN.

5/12/2010 ===== Riverbend Unit 04-22F SWD =====  
SITP 0 psig. SICP 0 psig. PU redressed & PT'd XL on/off tl w/plg in place, X - profile nip & xo sub. TIH w/on-off tl BHA, 116 jts 2-7/8" Western Falcon lined Enertube tbg & 1 - 2' x 2-7/8" coated tbg sub. PT all tbg & BHA to 2,300 psig w/rig pmp. Tstd gd. Rlsd press. MIRU PLS SLU. RIH & retrv tbg plg fr/X-nip abv on/off tl. RD SL. MIRU Action Hot Oil svc. Mxd 55 gals BJ Techni-Hib 6061 & 5 gal BJ Alfa 13 biocide in 50 bbls 2% KCl wtr. Sptd pkr fluid mix in TCA. RD pmp trk. ND BOP. Engage on/off tl. Ld tbg w/B-I adpt flg in 8 K compression. NU WH. MIRU B&C Quick Test. PT TCA to 1,500 psig for 1 hr. Tstd gd. Incr press to 2,000 psig for 40". Tstd ok. Rlsd press. PT tbg to 1,150 psig for 30". Tstd ok. Rlsd press. Recorded PT's on chart recorder. RDMO Quick test. RU SLU. RIH & retrv plg fr/XN profile nip below 5-1/2" Versa Set pkr @ 3,845'. RDMO SLU. Perfs fr/3,897' - 3,932'. CIBP w/cmt @ 4,060'. SWI. RDMO Key Energy rig #6013. Rpts suspnd. Turn well over to prod dept. WO reg approval to start disposal injection. Repl 1 jt tbg @ 3,065' w/sm pc of Falcon lining broke off on pin end.

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency Region 8  
Underground Injection Control Program  
1595 Wynkoop Street, Denver, CO 80202-1129

EPA Witness: \_\_\_\_\_ Date: 5 / 13 / 2010  
 Test conducted by: BEC Quick Test  
 Others present: Chuck Gardner Bob Davis HEC Gerald Chipoose KES

Well Name: <u>RAU 4-22 F</u>	Type: ER <u>(SWD)</u>	Status: AC TA UC
Field: _____		
Location: <u>Riverbend</u> Sec: <u>22</u> T <u>10</u> N / <u>S</u> R <u>20</u> W County: <u>Windsor</u> State: _____		
Operator: _____		
Last MIT: _____ / _____ / _____ Maximum Allowable Pressure: <u>1396</u> PSIG		

Is this a regularly scheduled test? [ ] Yes [X] No  
 Initial test for permit? [ ] Yes [X] No  
 Test after well rework? [X] Yes [ ] No  
 Well injecting during test? [ ] Yes [X] No If Yes, rate: \_\_\_\_\_ bpd

Pre-test casing/tubing annulus pressure: 875 / 875 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>885</u> psig	<u>885</u> psig	psig
End of test pressure	<u>885</u> psig	<u>885</u> psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1500</u> psig	<u>2,000</u> psig	psig
5 minutes	<u>1500</u> psig	<u>2,000</u> psig	psig
10 minutes	<u>1500</u> psig	<u>2,000</u> psig	psig
15 minutes	<u>1500</u> psig	<u>2,000</u> psig	psig
20 minutes	<u>1500</u> psig	<u>2,000</u> psig	psig
25 minutes	<u>1500</u> psig	<u>2,000</u> psig	psig
30 minutes	<u>1500</u> psig	<u>2,000</u> psig	psig
<u>45</u> minutes	<u>1500</u> psig	<u>2,000</u> psig	psig
<u>60</u> minutes	<u>1500</u> psig	psig	psig
<b>RESULT</b>	[ ] Pass [ ] Fail	[ ] Pass [ ] Fail	[ ] Pass [ ] Fail

Does the annulus pressure build back up after the test? [ ] Yes [X] No

# MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

35 gals. pumped down Ann. to achieve 2,000 PSI  
Chart was recorded (enclosed) Annular bled to zero  
Bled of 35 gals to 0 PSI

Signature of Witness: Chuck Gardner XTO Energy

## OFFICE USE ONLY - COMPLIANCE FOLLOWUP

Staff \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Do you agree with the reported test results?  YES  NO

If not, why?

Possible violation identified?  YES  NO

If YES, what

If YES - followup initiated?  YES

NO - why not?

Data Entry

Compliance Staff

2<sup>nd</sup> Data Entry

Hardcopy Filing

*Increased Press #  
Casing 2000 #*

*40 min*

**G**  
GRAPHIC CONTROLS CORPORATION  
BUFFALO, NEW YORK

*XTO*  
CHART NO. MC MP-15000

METER \_\_\_\_\_

CHART PUT ON *5-12-10* M TAKEN OFF \_\_\_\_\_ M

LOCATION *RBU 4-22F*

REMARKS *Big quick test  
Tim Price*

*Blade off  
35 gpm to 0*

*Chuck Gardner  
XTO Energy*

*Chart 2 of 2*

Casina 1600  
1 hour



GRAPHIC CONTROLS CORPORATION  
BUFFALO, NEW YORK

XTO  
CHART NO. MC MP-15000

METER \_\_\_\_\_

CHART PUT ON  
5-12-10 M

TAKEN OFF \_\_\_\_\_ M

LOCATION RBW 4-22F

REMARKS B&C quickest  
Tim Price

Chuck Cashman  
XTO Energy

MADE IN U.S.A.

Chart 10 f2

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-0143521-A
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> RIVER BEND
<b>1. TYPE OF WELL</b> Water Injection Well	<b>8. WELL NAME and NUMBER:</b> RBU 4-22F
<b>2. NAME OF OPERATOR:</b> XTO ENERGY INC	<b>9. API NUMBER:</b> 43047316150000
<b>3. ADDRESS OF OPERATOR:</b> 382 Road 3100 , Aztec, NM, 87410	<b>PHONE NUMBER:</b> 505 333-3159 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0891 FNL 1164 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 22 Township: 10.0S Range: 20.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES  <b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion: 8/25/2010	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="MIT"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

XTO Energy Inc. has isolated the L. Green River Brown Zone with a plug @ 3,850' and opened additional perfs in the L. Green River formation of this well. Please see the attached summary report along with the MIT chart & report for further information. UIC Permit # UT21124-07612.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 September 02, 2010

<b>NAME (PLEASE PRINT)</b> Barbara Nicol	<b>PHONE NUMBER</b> 505 333-3642	<b>TITLE</b> Regulatory Compliance Tech
<b>SIGNATURE</b> N/A	<b>DATE</b> 9/1/2010	

## **Riverbend Unit 04-22F SWD**

**8/13/2010:** MIRU PLS SLU. RIH & set 1.875" plg in XN profile nip below 5-1/2" Versa set pkr @ 3,832, perfs fr/3,897' - 3,932'. CIBP w/cmt @ 4,060'. Bd tbg & csg w/no flw after Bd. RDMO SLU. MIRU Key Energy rig #6013. ND WH. NU BOP. Rlsd on/off tl abv pkr. TOH w/1 - 2' x 2-7/8" coated tbg sub, 116 jts 2-7/8" Western Falcon lined Enertube tbg & on-off tl BHA. PU & TIH w/on-off tl BHA, 1- 4' perf 2-3/8" tbg sub, XN nip & 117 jts 2-3/8", 4.7#, J-55 EUE, 8rd tbg. engage pkr. MIRU PLS SLU. RIH & att to retrv 1.875" plg in XN profile nip below 5-1/2" Versa set pkr @ 3,822 w/no success. Unable to get to depth. Work 9' into fill @ 3822'. POH RDMO SLU. Displ hole vol ( 82 bbbs) w/14.0 PPG EZ drlg mud. Rlsd Pkr & TOH w/40 jts tbg. Tbg pld partial wet. SWI due to flow. Pmp 60 bls 15.0 ppg drlg mud dwn tbg to top perf. Contd TOH w/77 jts tbg & injection pkr BHA. Found 8' of iron sulfide on XN plug. Pmp 20 bbbs TFW dwn csg. OWU to flow back tnk recd 65 bbbs mud & 110 BW. SWI & SDFWE.

**8/16/2010:** MIRU WLU. RIH & set CIBP @ 3850'. Bd well. RD WLU. PT csg/CIBP to 3000 psig, 30". Tstd gd. TIH w/2.375" MS col, SN & 117 jts 2.375" tbg. RU & RIH w/swb tls. BFL @ surf. S. 0 BO, 77 BLW, 11 runs, 4 hrs, FFL @ 3300' FS. Smpl showed cln fld. TOH w/ 117 jts tbg. LD SN. RU WLU, RIH w/3-1/8" perf guns loaded w/Titan EXP-3323-361T, 22.7 gm chrgs. Perf GR fr/3351' - 3392' w/3 JSPF (120 deg phasing, 0.36" EHD, 35.6" pene., 123 holes). Perf GR fr/3402' - 3416' w/3 JSPF (120 deg phasing, 0.36" EHD, 35.6" pene., 42 holes). Perf GR fr/3437' - 3452' w/3 JSPF (120 deg phasing, 0.36" EHD, 35.6" pene., 45 holes). POH & LD perf guns. FL @ 3300' FS. RDMO WLU. SWI & SDFN.

**8/17/2010:** OWU & record water flow of 2.5 GPM. MU & TIH w/ 5.5" TS RBP , 5.5" Hd pkr, & 104 jt's 2.375", EUE TBG. Set tls ( RBP @ 3510' & HD @ 3419') Isolating perfs @ 3437'- 3452'. SICP 250 psig. RU swb tls swab tbg volume dry 4 runs 1 hr. Make hourly runs w/ 150' fluid entry per hour. (4 hourly runs.) Sample taken for anal on last 3 runs. SWIFN

**8/18/2010:** RU & RIH w/swb tls. BFL @ 1,800' FS. S. 0 BO, 15 BLW, 2 runs, 1 hr. FFL @ 3400' FS. Move & Re-set tls w/RBP @ 3420' & pkr @ 3398', Isolating GR perfs fr/ 3402' - 3416'. SICP 250 psig. RU & RIH w/swb tls. BFL @ 50' FS. S. 0 BO, 25 BLW, 6 runs, 2 hrs. FFL @ 2800' FS. Smpl taken for anal. Move & ReSet tls w/RBP @ 3398' & pkr @ 3325', Isolating GR perfs fr/3351' - 3392'. FTP 0 psig. @ 2.5 GPM. RU & RIH w/swb tls. BFL @ surf. S. 0 BO, 25 BLW, 6 runs, 1 hr. FFL @ 500' FS. Smpl taken for anal. Rlsd tls. TOH & LD RBP/pkr. SWI & SDFN. WO frac date & Lab results of wtr smpls.

**8/19/2010:** NO ACTIVITY wait on frac date

**8/20/2010:** MIRU Frac Tech frac equip. PT surf lines to 6000 psig. BD GR stg #1 perfs w/2% KCL wtr and EIR. A. GR perfs fr/3351' - 3452' w/1,500 gals of 15% NEFE HCL ac dwn 5-1/2" csg. BD @ 1559 psig. Fracd GR stg #2 perfs fr/3351' - 3452' dwn 5-1/2" csg w/84,798 gals gelled 2% KCl wtr + additives (Turquoise Frac) carrying ttl 187,335# 16/30 White sd Flshd frac w/78 bbbs 2% KCl wtr. Max DH sd conc 6.1 ppg. AIR 40 BPM. ATP 1150 psig. MTP 1462 psig. SWI & RDMO Frac Tech. SDFWE. 2132 BLWTR.

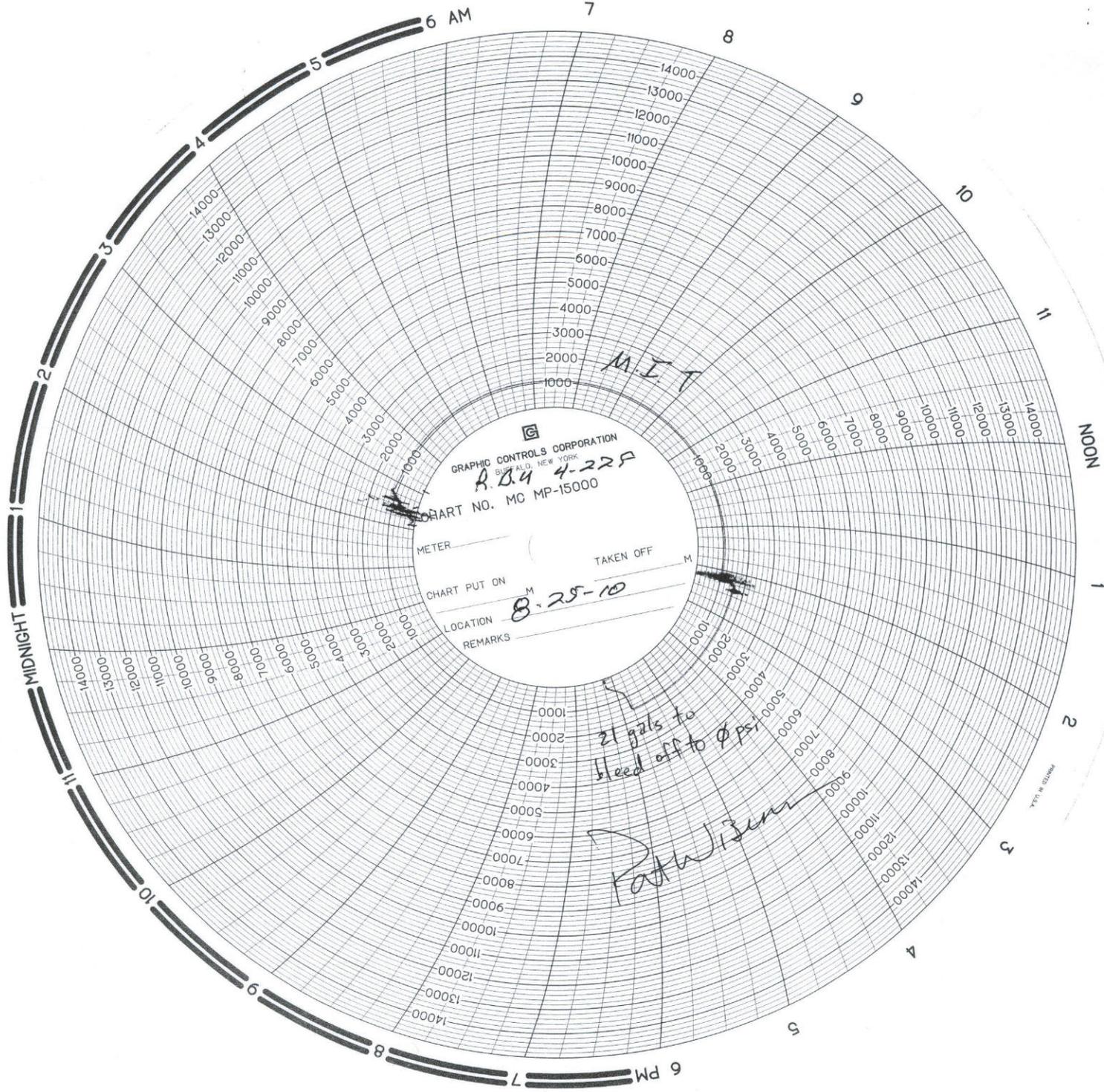
**8/23/2010:** Bd well. TIH w/116 jts 2-3/8" wrk strg, TOH & LD same 116 jts tbg. TIH w/Nickel plated BHA of WL re-entry guide, XN nip (2-3/8" x 1.75"), 10' x 2-3/8" tbg sub, X nip (2-3/8" x 1.875") 10' x 2-3/8" tbg sub & 5-1/2" x 2-3/8" PLT pkr. 2-3/8" glass disc sub, X nip (2-3/8" x 1.875") , xo (2-3/8" x 2-7/8") & 99 jts 2-7/8", 6.5#, L-80, EUE 8rd, lined ( Western Falcon Enertube) 2.025" ID tbg. Pmp 60 bbbs pkr fld dwn TCA. Set pkr @ 3272' in 15K compression. ND BOP. NU WH. RIH w/1.92" tbg broach to glass disc sub @ 3272'. No ti spots. POH & LD broach. SWI & SDFN.

**8/24/2010:** Fill tbg w/14 bbbs TFW. PT tbg to 3500 psig. Tstd gd. BW. MI SLU. RIH w/1.25" sbs. Att to brk glass disc @ 3271' FS. Increase pressure fr/500 - 3500 psig to brk disc. Ruptured disc & lost 1.25" SI rope socket, knuckle jnt, 20'x 1.25" sb, 3' spangs & .75" spear point. (26' overall length w/no wire). RIH w/1.5" OS on SLU. Tgd 158' fill @ 3692'. Tg FT @ 3680' FS. Could not engage w/OS. POH leave fish @ 3680'. RIH w/BHP & BHT SL tls. Set tls mid perf level @ 3330'. MIRU Frac Tech. PT surf lines to 5000 psig. Start SRT @ 4:00 p.m. SWI @ 9:20 p.m. SITP 430 psig. Ppd 853 bbbs during 15 inj rate steps. RDMO Key Energy & Frac Tech. SWI & SDFN.

**8/25/2010:** Notified State DOGMA of MIT test previous day. Dave Hackford w/ Utah State DOGMA present for MIT test. PT TCA to 1000 psig, 1hr. 0% press loss. Increase press to 1500 psig 30" w/ 0% loss. Bd TCA, recd 21 gals wtr. SWI & SDFN. Rpts suspnd, WO EPA approval to start disposal injection.

=====**Riverbend Unit 04-22F SWD**=====

**End of Report**



GRAPHIC CONTROLS CORPORATION  
 BUFFALO, NEW YORK  
 R.B.4 4-22F  
 CHART NO. MC MP-15000  
 METER \_\_\_\_\_  
 TAKEN OFF \_\_\_\_\_ M  
 CHART PUT ON \_\_\_\_\_ M  
 LOCATION 8-25-10  
 REMARKS \_\_\_\_\_

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency Region 8  
Underground Injection Control Program  
1595 Wynkoop Street, Denver, CO 80202-1129

EPA Witness: \_\_\_\_\_ Date: 08/25/2010  
 Test conducted by: B & C Quick Test  
 Others present: Pat Wisener (Xto) Dave Hackford Utah State DOGM

Well Name: <u>RBU 4-22F</u>	Type: ER <u>(SWD)</u>	Status: <u>(AC)</u> TA UC
Field: _____		
Location: <u>Riverbend</u> Sec: <u>22</u> T <u>10</u> N / <u>(S)</u> R <u>20</u> <u>(E)</u> / W County: <u>Uintah</u> State: <u>UT</u>		
Operator: <u>XTO</u>		
Last MIT: _____ / _____ / _____ Maximum Allowable Pressure: _____ PSIG		

- Is this a regularly scheduled test? [ ] Yes [X] No  
 Initial test for permit? [X] Yes [ ] No  
 Test after well rework? [ ] Yes [X] No  
 Well injecting during test? [ ] Yes [X] No If Yes, rate: \_\_\_\_\_ bpd

Pre-test casing/tubing annulus pressure: 0 psig

MIT DATA TABLE		Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>				
Initial Pressure		psig	psig	psig
End of test pressure		psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>				
<u>251</u> 0 minutes	<u>1000</u>	psig	psig	psig
<u>251</u> 5 minutes	<u>1000</u>	psig	psig	psig
<u>251</u> 10 minutes	<u>1000</u>	psig	psig	psig
<u>251</u> 15 minutes	<u>1000</u>	psig	psig	psig
<u>251</u> 20 minutes	<u>1000</u>	psig	psig	psig
<u>251</u> 25 minutes	<u>1000</u>	psig	psig	psig
<u>251</u> 30 minutes	<u>1000</u>	psig	psig	psig
<u>251</u> <u>45</u> minutes	<u>1000</u>	psig	psig	psig
<u>251</u> <u>60</u> minutes	<u>1000</u>	psig	<u>60-75 mins</u> psig	<u>1500 psi</u> psig
<b>RESULT</b>	[ ] Pass [ ] Fail	[ ] Pass [ ] Fail	[ ] Pass [ ] Fail	[ ] Pass [ ] Fail

Does the annulus pressure build back up after the test? [ ] Yes [X] No

*Pat Wisener*  
*David W. Hackford*  
 Page 1 of 2  
**RECEIVED** September 01, 2010

# MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

21 gals from 1500 psig to zero

Close 80°F

Signature of Witness: 

## OFFICE USE ONLY - COMPLIANCE FOLLOWUP

Staff \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Do you agree with the reported test results?  YES  NO

If not, why?

Possible violation identified?  YES  NO

If YES, what

If YES - followup initiated?  YES

NO - why not?

Data Entry

Compliance Staff

2<sup>nd</sup> Data Entry

Hardcopy Filing



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8
1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917
http://www.epa.gov/region08

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Michael Logan
XTO Energy, Inc.
382 Road 3100
Aztec, NM 87410

FEB 28 2011 Accepted by the
Utah Division of
Oil, Gas and Mining

FOR RECORD ONLY

43 047 31615
10S 2DE 22

RE: Authorization to Continue Injection
EPA UIC Permit UT21123-07612
Well: RBU 4-22F
Uintah County, UT

Dear Mr. Logan:

The U.S. Environmental Protection Agency (EPA), Region 8, received the results of the January 6, 2011, Radioactive Tracer Survey (RTS) for the RBU 4-22F well. EPA determined the test demonstrates the presence of adequate cement to prevent the upward migration of injection fluids from the injection zone at the Maximum Allowable Injection Pressure (MAIP) of 1,200 psig. As of the date of this letter, EPA hereby authorizes continued injection into the RBU 4-22F well under the terms and conditions of UIC Permit UT21123-07612 at a MAIP of 1,200 psig.

You may apply for a higher MAIP at a later date. Your application should be accompanied by the interpreted results of a Step Rate Test (SRT) that measures the formation parting pressure and determines the fracture gradient at this depth and location. XTO Energy must receive prior authorization from the Director in order to inject at pressures greater than the permitted MAIP during any test. A current copy of EPA guidelines for running and interpreting SRTs will be sent upon request. Should the SRT result in approval of a higher MAIP, a subsequent RTS conducted at the higher MAIP is required.

As of this approval, responsibility for permit compliance and enforcement is transferred to EPA's UIC Technical Enforcement Program. Therefore, please direct all monitoring and compliance correspondence to Nathan Wiser at the following address, referencing the well name and UIC Permit number on all correspondence:

Mr. Nathan Wiser
U.S. EPA Region 8: 8ENF-UFO
1595 Wynkoop Street
Denver, CO 80202-1129

RECEIVED

MAR 03 2011

DIV. OF OIL, GAS & MINING

Or, you may reach Mr. Wisner by telephone at 303-312-6211, or 1 800-227-8927, ext. 312-6211. Please remember that it is your responsibility to be aware of and to comply with all conditions of injection well Permit UT21123-07612.

If you have any questions regarding this approval, please call Wendy Cheung at 800-227-8917 (ext. 312-6242).

Sincerely,



for Stephen S. Tuber

Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

cc: Uintah & Ouray Business Committee:

Richard Jenks, Jr., Chairman  
Frances Poowegup, Vice-Chairwoman  
Phillip Chimburas, Councilman  
Stewart Pike, Councilman  
Irene Cuch, Councilwoman  
Ronald Wopsock, Councilman

Daniel Picard  
BIA - Uintah & Ouray Indian Agency

Mike Natchees  
Environmental Coordinator  
Ute Indian Tribe

Manual Myore  
Director of Energy & Minerals Dept.  
Ute Indian Tribe

Brad Hill  
Permitting Manager  
Utah Division of Oil, Gas, and Mining

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-0143521-A
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
		<b>7. UNIT or CA AGREEMENT NAME:</b> RIVER BEND
<b>1. TYPE OF WELL</b> Water Injection Well	<b>8. WELL NAME and NUMBER:</b> RBU 4-22F	
<b>2. NAME OF OPERATOR:</b> XTO ENERGY INC	<b>9. API NUMBER:</b> 43047316150000	
<b>3. ADDRESS OF OPERATOR:</b> PO Box 6501 , Englewood, CO, 80155	<b>PHONE NUMBER:</b> 303 397-3727 Ext	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0891 FNL 1164 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 22 Township: 10.0S Range: 20.0E Meridian: S	<b>COUNTY:</b> UINTAH	
	<b>STATE:</b> UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/20/2013  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input checked="" type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	
	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text" value="STEP RATE TEST"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>XTO Energy Inc. performed a step rate test &amp; acid treatment on this injection well per the attached summary report.</p> <div style="text-align: right;"> <p><b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY September 12, 2013</b></p> </div>		
<b>NAME (PLEASE PRINT)</b> Barbara Nicol	<b>PHONE NUMBER</b> 303-397-3736	<b>TITLE</b> Regulatory Compliance Tech
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/15/2013	

**Riverbend Unit 04-22F**

**6/18/2013:** MIRU Halliburton. CK MNTR. PT all surface lines to 2500 psig, Tstd gd. Start Step rate test @ 1031 psig @ .25 BPM ending @ 1466 psig @ 2.25 BPM. Pmped 115 bls TFW for job. ISIP 1215 psig. 5" SIP 1124 psig. 10" SIP 1079 psig. 15" SIP 1027 psig. SWI & SDFN

**6/19/2013:** MIRU Halliburton pmping. PT surf lines 2500 psig gd test. Pmp 6000 gl HCL 15% @ 1.7 BPM down tbg 1,350 psi max presser, Pmp 48 bbl Clayfix wtr. Flshd w/48 bbl TFW. RDMO Halliburton pmping. Started injection pmp. SDFN.

**6/20/2013:** MIRU Halliburton pmping. PT surf lines 5000 psig gd test. Pmp 1000 gl HCL 15% @ 2.7 BPM down tbg 1,547 psi max presser, 2000 gl HF/HCL 15% @ 2.8 BPM down tbg 1,515 psi max pressure. Flshd w/70 bbl TFW. MIRU PLS PU down hole press tools. RU in to 3,340' FS. Start Step rate test @ 500 psig @ .3 BPM ending @ 2,000 psig @ 5 BPM. Pmped 415 bls TFW for job. ISIP 1280 psig. 5" SIP 1157 psig. 10" SIP 1000 psig. 15" SIP 870 psig. RDMO PLS & Halliburton pmping. RWTI

=====**Riverbend Unit 04-22F**=====

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-0143521-A	
<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	
<b>7. UNIT or CA AGREEMENT NAME:</b> RIVER BEND	
<b>8. WELL NAME and NUMBER:</b> RBU 4-22F	
<b>9. API NUMBER:</b> 43047316150000	
<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES	
<b>COUNTY:</b> UINTAH	
<b>STATE:</b> UTAH	

**SUNDRY NOTICES AND REPORTS ON WELLS**  
 Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

<b>1. TYPE OF WELL</b> Water Disposal Well
<b>2. NAME OF OPERATOR:</b> XTO ENERGY INC
<b>3. ADDRESS OF OPERATOR:</b> PO Box 6501 , Englewood, CO, 80155
<b>PHONE NUMBER:</b> 303 397-3727 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0891 FNL 1164 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 22 Township: 10.0S Range: 20.0E Meridian: S

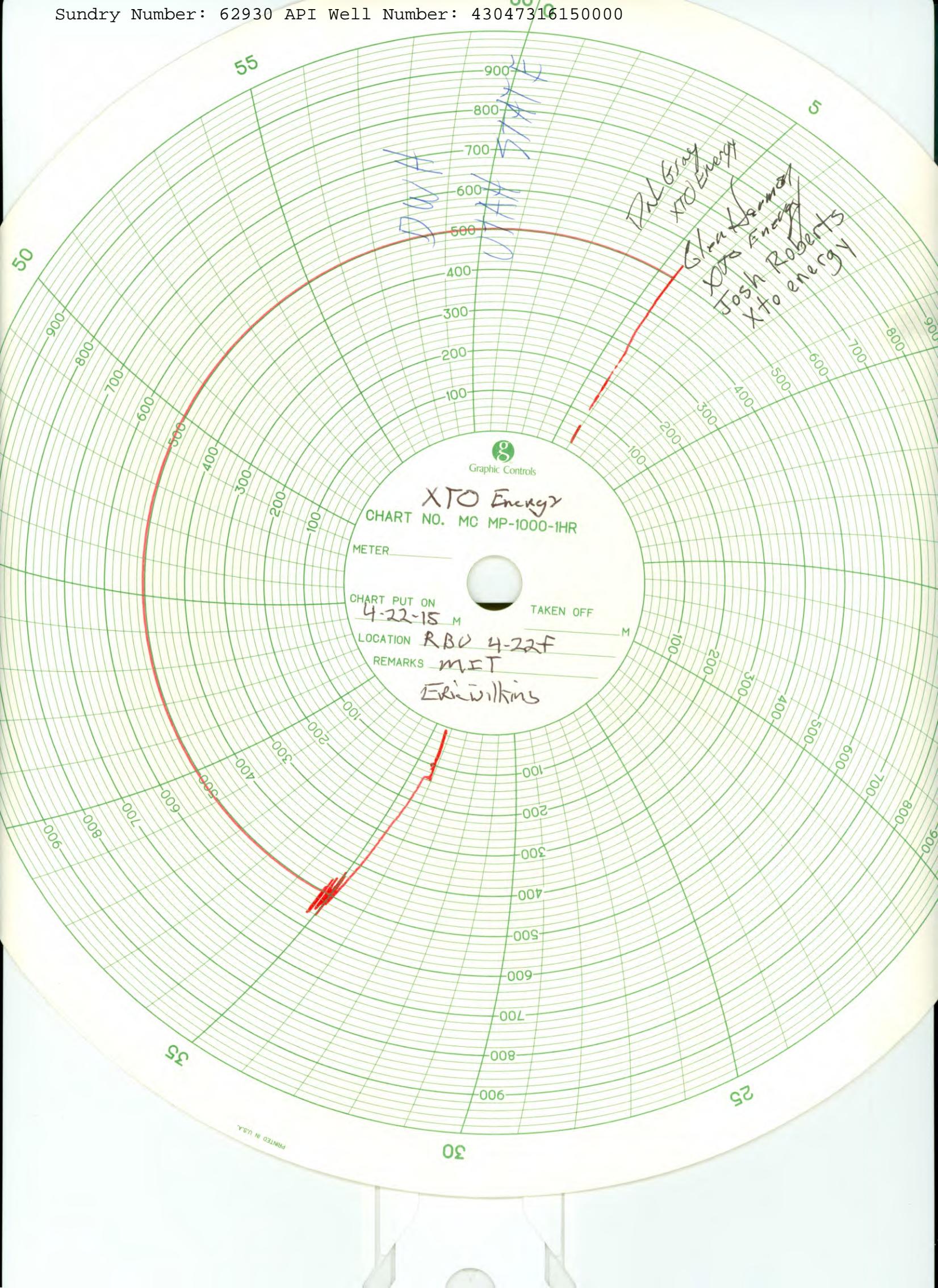
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/22/2015	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="5-yr MIT"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
 XTO Energy Inc. performed a 5-year MIT on this well per the following:  
 4/22/2015: MIRU. PT TCA 500 psig for 30 min w/7.5 gal. Tstd Gd. Bd TCA, recd 5.5 gals wtr. RDMO. Witnessed by Dave Hackford w/Utah State DOGM. Attached are the MIT chart & EPA form.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 May 01, 2015

<b>NAME (PLEASE PRINT)</b> Barbara Nicol	<b>PHONE NUMBER</b> 303-397-3736	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 4/30/2015	



*DAVA*  
*DAVA*

*DAL Gray*  
*XTO Energy*  
*Jim*  
*XTO Energy*  
*Josh Roberts*  
*XTO Energy*



Graphic Controls

*XTO Energy*

CHART NO. MC MP-1000-IHR

METER \_\_\_\_\_

CHART PUT ON

*4-22-15* M

TAKEN OFF \_\_\_\_\_ M

LOCATION

*RBU 4-22F*

REMARKS

*MT*

*Eric Wilkins*

## Mechanical Integrity Test Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency Region 8  
Underground Injection Control Program  
1595 Wynkoop Street, Denver, CO 80202-1129

EPA Witness: Dave Hackford Date: 04 122 12015  
 Test conducted by: B & C Quicktest  
 Others present: Dal Gray, Eric Wilkins, Josh Roberts, Glen Harmon

Well Name: <u>Riverbend Unit</u>	Type: ER <u>SWD</u>	Status: AC TA UC
Field: <u>Riverbend</u>		
Location: <u>4-22F</u> Sec: <u>22</u> T <u>10</u> N <u>(S)</u> R <u>20</u> <u>(E)</u> W County: <u>Utah</u> State: <u>UTAH</u>		
Operator: <u>XTO Energy</u>		
Last MIT: <u>05 1 12 12010</u> Maximum Allowable Pressure: <u>1,200</u> PSIG		

Is this a regularly scheduled test?  Yes [ ] No  
 Initial test for permit? [ ] Yes  No  
 Test after well rework? [ ] Yes  No  
 Well injecting during test?  Yes [ ] No If Yes, rate: 619 bpd  
.43 bpm

Pre-test casing/tubing annulus pressure: 0 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>1180</u> psig	psig	psig
End of test pressure	<u>1180</u> psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>500</u> psig	psig	psig
5 minutes	<u>500</u> psig	psig	psig
10 minutes	<u>500</u> psig	psig	psig
15 minutes	<u>500</u> psig	psig	psig
20 minutes	<u>500</u> psig	psig	psig
25 minutes	<u>500</u> psig	psig	psig
30 minutes	<u>500</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass [ ] Fail	[ ] Pass [ ] Fail	[ ] Pass [ ] Fail

Does the annulus pressure build back up after the test? [ ] Yes  No



**INJECTION WELL - PRESSURE TEST**

Well Name: <u>ABU 4-22 F</u>	API Number: <u>43-047-31615</u>
Qtr/Qtr: <u>NW NW</u>	Section: <u>22</u>
Company Name: <u>XTO Energy</u>	Township: <u>10S</u>
	Range: <u>20E</u>
Lease: State _____ Fee _____	Federal <input checked="" type="checkbox"/> Indian <input type="checkbox"/>
Inspector: <u>David Mackford</u>	Date: _____

Initial Conditions:

Tubing - Rate: 43 Bbl. per minute Pressure: 1400 psi

Casing/Tubing Annulus - Pressure: 0 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>500</u>	<u>1400</u>
5	<u>500</u>	<u>1400</u>
10	<u>500</u>	<u>1400</u>
15	<u>500</u>	<u>1400</u>
20	<u>500</u>	<u>1400</u>
25	<u>500</u>	<u>1400</u>
30	<u>500</u>	<u>1400</u>

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 1400 psi

Casing/Tubing Annulus Pressure: 0 psi

COMMENTS:

Packer @ 3274'

David W. Mackford

Operator Representative

David Mackford XTO