UTAH OIL AND GAS CONSERVATION COMMISSION

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

920220 Desig. Agent PG&E Resources Co. eff. 2-4-92:
Conf. Stat. Exp. 4-27-93
* Re-entry Approved 4-18-94 to Convert to WDW
Commenced Injection 9-7-94 "WDW"

DATE FILED 8-14-91 * 4-14-94

LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. U-013769-A INDIAN

DRILLING APPROVED: 8-22-91 * 4-18-94

SPUDDED IN: 9-18-91

COMPLETED: 3-27-92 PA PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH: 7250'

WELL ELEVATION: 5233

DATE ABANDONED: PA'D Well eff. 3-27-92

FIELD: NATURAL BUTTES

UNIT: RIVER BEND

COUNTY: UINTAH

WELL NO. RBU 16-19F API NO. 43-047-32070

LOCATION 875' FSL FT. FROM (N) (S) LINE, 882' FEL FT. FROM (E) (W) LINE. SE SE 1/4 — 1/4 SEC. 19

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
10S	20E	19	CNG PRODUCING CO				

CNG Producing Company

A CNG COMPANY

August 13, 1991

Mr. Ed Forsman
U.S. Dept. of the Interior
Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, UT 84078

RE: River Bend Unit
Applications for Permit To Drill
River Bend Unit 16-19F, Section 19-T10S-R20E
River Bend Unit 9-22E, Section 22-T10S-R19E
River Bend Unit 15-34B, Section 34-T9S-R19E

Gentlemen:

Enclosed please find original and two copies of the subject applications. Attachment to these applications include the following:

Attachment No. 1	Location
Attachment No. 2	Certification Statement
Attachment No. 3	BOP Stack Schematic
Attachment No. 4	Drilling Plan
Attachment No. 5	13 Point Surface Use Plan
Attachment No. 6	Water Source and Access Route
Attachment No. 7	Water Permit

CNG Producing Company is requesting all information be held confidential.

It would be appreciated if these permits could be expedited since drilling is planned to begin on the RBU16-19F on October 1, 1991, on the RBU 15-34B on October 20, 1991, and on the RBU 9-22F on November 1, 1991.

Should you have any question please feel free to contact either myself at (504) 593-7260 or the project engineer, Doss Bourgeois at (504) 593-7719.

Sincerely,

Susan M. Hebert

Susan M. Hebert
Regulatory Reports Asst. II

RECEIVED
AUG 14 1991
DIVISION OF
OIL GAS & MINING

Enclosure

cc: Utah Board of Oil, Gas & Mining

Form 3160-3
(November 1983)
(formerly 9-331C)

SUBMIT IN TRIPLICATE*
(Other instruction on reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: U-013769-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME: River Bend Unit

8. FARM OR LEASE NAME: RBU

9. WELL NO.: 16-19F

10. FIELD AND POOL, OR WILDCAT: Natural Buttes 630

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 19-T10S-R20E

12. COUNTY OR PARISH: Uintah

13. STATE: Utah

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [ ] GAS WELL [X] OTHER SINGLE ZONE [ ] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR: CNG PRODUCING COMPANY

3. ADDRESS OF OPERATOR: CNG Tower, 1450 Poydras St., New Orleans, LA 70112-6000

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 882' FEL & 875' FSL SESE
At proposed prod. zone: Same

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

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line if any): 1,150'

16. NO. OF ACRES IN LEASE: 196.27

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: 875'

19. PROPOSED DEPTH: 6,700' WSTC

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 5,233' GR

22. APPROX. DATE WORK WILL START: October 1, 1991

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	Cement to Surface
7 7/8"	5 1/2"	17#	+/-6,700	Cement Back to Surface

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AUG 14 1991
DIVISION OF OIL GAS & MINING

1. Drill a 12 1/4" hole with an air rig to +/-400', run 8 5/8", H-40 casing and cement to surface.
2. NU and pressure test BOP stack (Attach #2) prior to drilling out below surface pipe.
3. Operate pipe rams daily and blind rams as possible.
4. Drill a 7 7/8" hole to 6,700' with a salt water mud system. Coring is possible. DST's will be run as needed to evaluate unexpected shows.
5. Run logs, set 5 1/2", 17#, N 80 & K-55 casing as dictated by drilling shows, tests, and logs. Casing program may be modified to provide added burst strengh if needed for frac program.
6. Primary zones of interest are the Wasatch, Chapita Wells & Uteland Buttes.
7. All zones indicating potential for economically recoverable reserves will be tested in a normal, prudent manner.
8. In the event of lost circulation, air or air assisted mud will be utilized.

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SEE BACK FOR FORMATION TOPS

CNG Producing respectfully request that all information concerning this well be held confidential.

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 verticle depth. Give blowout preventer program, if any.

24. SIGNED: Doss R. Bourgeois for. TITLE: Supervisor, Drilling Engineering DATE: 8/13/91

(This space for Federal or State office use)

PERMIT NO. 43-047-30070 APPROVAL DATE

APPROVED BY TITLE DATE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 8-22-91
BY: [illegible]
WELL SPACING: 615-2-3

*See Instructions On Reverse Side

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 CO.
WELL LOCATION PLAT
RBU 16-19F

LOCATED IN THE SE¼ OF THE SE¼ OF SECTION 19, T10S, R20E, S.L.B.&M.

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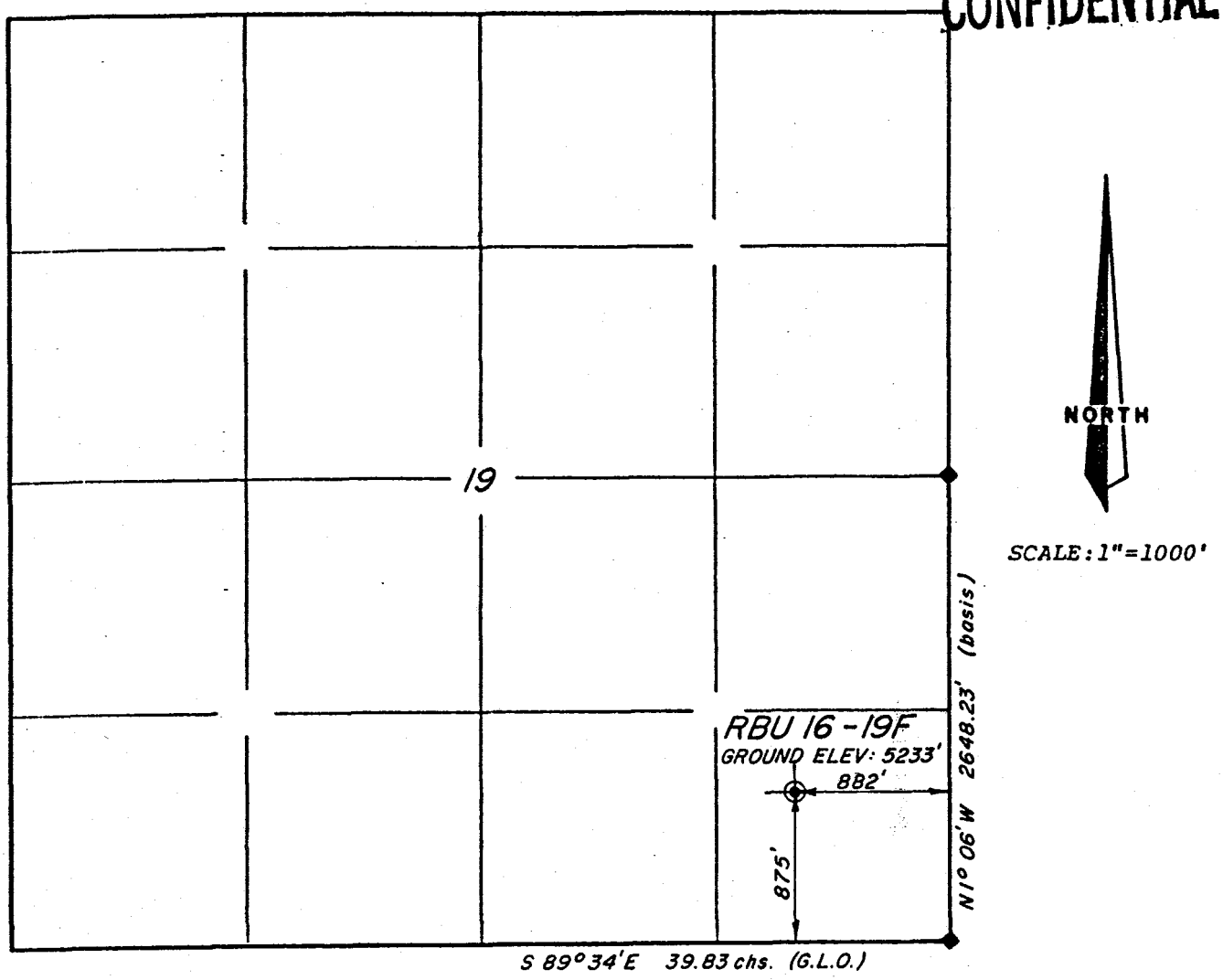

LEGEND & NOTES

◆ Monuments found and used by this survey.

The General Land Office plat (G.L.O.) plat was used for reference and calculations as well as the U.S.G.S. quadrangle map.

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

6 Aug '91

79-128-183

DRILLING PLAN
APPROVAL OF OPERATIONS

August 13, 1991

Attachment for Permit to Drill
Name of Operator: CNG PRODUCING COMPANY
Address: CNG TOWER - 1450 POYDRAS STREET
NEW ORLEANS, LA 70112-6000

WELL LOCATION: Well No. 16-19F

Unitah, Utah

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1. **GEOLOGIC SURFACE FORMATION**

Unitah

2. **ESTIMATE IMPORTANT GEOLOGIC MARKERS**

Formation	Depth
Wasatch Tongue	3850'
Green River Tongue	4200'
Wasatch	4450'
Chapita Wells	5100'
Uteland Buttes	6200'

3. **ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS**

Formation	Depth	Remarks
Wasatch Tongue	3850'	Oil Zone
Chapita Wells	5100'	Gas Zone
Uteland Buttes	6200'	Gas Zone

4. **PROPOSED CASING PROGRAM**

8-5/8", 24#/ft, H-40, 0'-400' - Cemented to Surface
5½", 17#/ft, N-80 & K-55, 0'- 6700' - Cemented to Surface

5. **OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL**

See Attachment No. 2, Attached.
BOP stack has a 3000 psi working pressure. BOP will be pressure tested to 2,700 psi before drilling casing cement plug. Pipe rams will be operated daily and blind rams as possible.

6. The well is to be drilled with a Potassium Chloride mud system maintaining a weight of approximately 9#/gal.

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7. **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 totalizer equipment will be used.

8. **TESTING, LOGGING, AND CORING PROGRAMS TO BE FOLLOWED**

A mud logger will be used from 3,500' to TD. Possible DST in Wasatch Tongue. The logging program will include Dual Lateral/GR log TD to Surface, Density/Neutron - TD - 3,500' possible dipmeter and rotary cores over selected intervals.

9. **ANTICIPATED ABNORMAL PRESSURES OR TEMPERATURES EXPECTED**

No normal pressures are anticipated nor is the area known for abnormal temperatures. The formations to be penetrated do not contain H_2S gas. The anticipated bottom hole pressure is 2,610 PSI.

10. **WATER SUPPLY**

A. Water to be used for drilling will be hauled from CNG's OSC #1 well located in Section 17-T10S-R20E. Application #54801 User's Claim - Code #49, Serial #801.

B. No pipelines are anticipated. Hauling will be on the road(s) shown in Attachment No. 3.

C. No water well is anticipated to be drilled at this time.

11. **CEMENT SYSTEMS**

Lead Slurry - 195 sk DS Hi-Lift, 3% D-44 Salt, 10#/sk D-42 Kolite, .25#/sk D-29 Celloflake.

Tail Slurry - 335 sk RFC 10-0 (thixotopic).

12. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS**

Starting Date: October 1, 1991

Duration: 20 Days

Revised November 1990

Date NOS Received: _____

CONDITIONS OF APPROVAL
FOR THE SURFACE USE PROGRAM OF THE
APPLICATION FOR PERMIT TO DRILL

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Company/Operator: CNG PRODUCING COMPANY

Well Name & Number: RBU 16-19F

Lease Number: U-013769-A

Location: SE/4 of SE/4 Sec. 19 T. 10S R. 20E

Surface Ownership: Bureau of Land Management

NOTIFICATION REQUIREMENTS

Location Construction	-	forty-eight (48) hours prior to construction of location and access roads.
Location Completion	-	prior to moving on the drilling rig.
Spud Notice	-	at least twenty-four (24) hours prior to spudding the well.
Casing String and Cementing	-	twenty-four (24) hours prior to running casing and cementing all casing strings.
BOP and Related Equipment Tests	-	twenty-four (24) hours prior to initiating pressure tests.
First Production Notice	-	within five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

B. **THIRTEEN POINT SURFACE USE PROGRAM:**

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Multipoint Requirement to Accompany APD

1. Existing Roads - describe the following and provide a legible map, labeled and showing:

   a. Proposed wellsite as staked and access route to location, including distances from point where access route exists establish roads. (Actual staking should include tow directional reference stakes.)

   b. Route and distance from nearest town or locatable reference point, such as a highway or county road, to where well access route leaves main road.

   c. Access road(s) to location color-coded or labeled.

   d. Plans for improvement and/or maintenance of existing roads. (Appropriate rights-of-way for off lease roads should be attached.)

2. Planned Access Roads--describe the following and provide a map of suitable scale indicating all necessary access roads (permanent and temporary) to be constructed or reconstructed, showing:

   a. Length - 1,400'

   b. Width - 30 foot right-of-way with 18 foot running surface maximum.

   c. Maximum grades - 8%

   d. Turnouts - _____

   e. Drainage design - Bar Pits

   f. Location and size of culverts and/or bridges, and brief description of any major cuts and fills - None

   g. Surfacing material (source) - Native

   h. Necessary gates, cattleguards, or fence cuts and/or modification to existing facilities - None

   (New or reconstructed roads are to be centerline-flagged at time of location staking.)

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

   Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, (1989).

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The road shall be constructed/upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Construction/upgrading shall include ditching, draining, graveling, crowning, and capping the roadbed as necessary to provide a well constructed safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot right-of-way will not be allowed. Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.

____ Right-of-Way Application needed.

Not needed _____

_____

_____

____ The operator/lessee or his/her successor shall be responsible for all maintenance on cattleguards or gates associated with this oil and/or gas operation.

3. Location of Existing Wells - describe the following and provide a map or plat of all wells within a 1 mile radius of the proposed well location showing and identifying existing:

   a. Water wells
   b. Abandoned wells
   c. Temporarily abandoned wells
   d. Disposal wells
   e. Drilling wells
   f. Producing wells
   g. Shut-in wells
   h. Injection wells

4. Location of Existing and/or Proposed Facilities

   a. On well pad: Show the following existing area facilities and dimensions to be utilized if the well is successfully completed for production (detail painting plans and color if applicable):

      (1) Tank batteries
      (2) Production facilities
      (3) Oil gathering lines
      (4) Gas gathering lines
      (5) Injection lines
      (6) Disposal lines
      (7) Surface pits (separate application per NTL-2B requirements)

      (Indicate if any of the above lines are buried.)

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b. Off well pad: Same as above. Off lease flowlines may require rights-of-way or special use permits, check with the District Office Realty Specialist. (Include a diagram of the proposed attendant lines, i.e., flowlines, powerlines, etc., if off well pad location.)

(1) Proposed location and attendant lines shall be flagged off of well pad prior to archaeological clearance.

(2) Dimensions of facilities

(3) Construction methods and materials

(4) Protective measures and devices to protect livestock and wildlife

Note: Operator has option of submitting information under 4A and B, after well is completed for production, by applying for approval of subsequent operations.

If storage facilities/tank batteries are constructed on this lease, the facility/battery or the well pad shall be surrounded by a containment dike of sufficient capacity to contain, at a minimum, the entire content of the largest tank within the facility/battery, unless more stringent protective requirements are deemed necessary by the authorized officer.

Tank batteries will be placed on the Southeast corner

All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted a flat, non-reflective, earthtone color to match on of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within 6 months of installation. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

The required paint color is Desert Tan.

If at any time the facilities located on public land and authorized by the terms of the lease are no longer included in the lease (due to a contraction in the unit or other lease or unit boundary change), BLM will process a change in authorization to the appropriate statute. The authorization will be subject to appropriate rental or other financial obligation as determined by the authorized officer.

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5. Location and Type of Water Supply

a. Show location and type of water supply, either by 1/4, 1/4 section on a map or by written description OSC #1

b. State method of transporting water, and show any roads or pipelines needed.

c. If water well is to be drilled on lease, so state. _____

*The operator will be responsible for acquiring the necessary permit to obtain water to be used for drilling activities.

6. Source of Construction Materials

a. Show information either on map or by written description - _____.

b. Identify if from Federal or Indian (tribal or allotted) land.

c. Describe where materials such as sand, gravel, stone, and soil material are to be obtained and used.

*If fill materials are needed to construct roads or well sites, proper permits must be obtained from the Surface Management Agency, unless materials are obtained from a private source.

*A mineral materials application (is/is not) required.

7. Methods of Handling Waste Disposal

a. Describe methods and location of proposed safe containment and disposal of each type of waste material, including:

(1) Cuttings - bury in pit
(2) Sewage - haul to sewer lagoon
(3) Garbage (trash) and other waste material - haul to disposal
(4) Salts - not used
(5) Chemicals - non-toxic only; evaporate in pits

b. Provide a plan for eventual disposal of drilling fluids and any produced oil or water recovered during testing operations. ____
_____

*Burning will not be allowed. All trash must be contained in a trash cage and hauled away to an approved disposal site at the completion of the drilling activities.

On BLM administered lands:

The reserve pit shall be constructed so as not to leak, break, or allow discharge.

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The reserve pit (**shall**/shall not) be lined.

"If a plastic nylon reinforced liner is used, it will be a minimum of 10 mil thickness with sufficient bedding (either straw or dirt) to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. More stringent protective requirements may be deemed necessary by the A.O."

After first production, produced waste water will be confined to a lined pit or storage tank for a period not to exceed ninety (90) days. During the 90 day period, in accordance with NTL-2B, an application for approval of a permanent disposal method and location, along with required water analysis, shall be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.

On BIA administered lands:

All reserve pits will be lined with either native clay, commercial bentonite or plastic sufficient to prevent seepage. (If a plastic nylon reinforced liner is used, it shall be torn and perforated after the pit dries and before backfilling of the reserve pit.)

___ To protect the environment.
If the reserve pit is lined the operator will provide the BLM a chemical analysis of the fluids in that pit no later than 90 days after the well completion to determine the method for final reclamation of the reserve pit. If the elemental concentrations shown by the chemical analysis exceeds the requirements described by Part II, Standards of Quality for Waters of the State, Wastewater Disposal Regulations, State of Utah Division of Health, the contents and liner will be removed and disposed of at an authorized disposal site.

_X_ To protect the environment (without a chemical analysis).

Reserve pits will be constructed so as not to leak, break, or allow discharge of liquids.

___ Storage tanks will be used if drill sites are located on tribal irrigable land, flood plains, or on lands under crop production.

After first production, produced waste water will be confined to a lined pit or storage tank for a period not to exceed ninety (90) days. During the 90 day period, in accordance with NTL-2B, an application for approval of a permanent disposal method and location, along with required water analysis, shall be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.

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8. Ancillary Facilities

Camp facilities or airstrips will not be allowed unless otherwise approved.

9. Well Site Layout--provide a plat (not less than 1" = 50') showing:

a. Cross-sections of proposed drill pad with approximate cuts and fills and the relation to topography.

b. Location of mud tanks, reserve, and flare pits, pipe racks, living facilities, and soil material stockpiles, etc. (Approval as used in this section means field approval of location.)

c. Rig orientation, parking ares, and access roads, etc.

The reserve pit will be located on the : Southwest corner

The flare pit will be located downwind of the prevailing wind direction on the Southwest side a minimum of 100 feet from the well head and 30 feet from the reserve pit fence.

The stockpiled topsoil (first four inches) will be stored on the: Northwest corner

Access to the well pad will be from the: Northeast

___ Diversion ditch(es) shall be constructed on the _____ side of the location (above / below) the cut slope, draining to the _____.

___ Soil compacted earthen berm(s) shall be placed on the _____ side(s) of the location between the _____.

___ The drainage(s) shall be diverted around the _____ side(s) of the well pad location.

___ The reserve pit and/or pad location shall be constructed long and narrow for topographic reasons _____.

___ The _____ corner of the well pad will be rounded off to avoid the _____.

Fencing Requirements

All pits will be fenced according to the following minimum standards:

a. 39-inch net wire shall be used with at least one stand of barbed wire on top of the net wire (barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence).

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b. The net wire shall be no more than 2-inches above the ground. The barbed wire shall be 3-inches above the net wire. Total height of the fence shall be at least 42-inches.

c. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

d. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16 feet.

e. All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three sides during drilling operations and on the fourth side when the rig moves off the location. Pits will be fenced and maintained until clean-up.

Each existing fence to be crossed by the access road shall be braced and tied off before cutting so as to prevent slacking of the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BLM or SMA specifications. A cattleguard with an adjacent 16 foot gate shall be installed in any fence where a road is to be regularly travelled. If the well is a producer, the cattleguard (shall/shall not) be permanently mounted on concrete bases. Prior to a new road, crossing any fence located on federal land, or any fence between federal land and private land, the operator will contact the BLM, who will in turn contact the grazing permittee or owner of said fence and offer him/her the opportunity to be present when the fence is cut in order to satisfy himself/herself that the fence is adequately braced and tied off.

10. Plans for Restoration of Surface

a. Producing Location

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.

Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with 43 CFR 3162.7-1.

If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 6 months from the date of well completion. Before any dirt work takes place, the reserve pit must be completely dry and all cans, barrels, pipe, etc., will be removed.

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Contact appropriate surface management agency for required seed mixture.

b. Dry Hole/Abandoned Location

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and BLM will attach the appropriate surface rehabilitation conditions of approval.

On BIA administered lands:

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

11. Surface Ownership:

Access Road: Bureau of Land Management
Location: _____

"If the access road and/or location involves private or state agency owned surface, a copy of the surface owners agreement is required prior to approval of the APD."

12. Other Additional Information

a. The Operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized officer (AO). Within five working days the AO will inform the operator as to :

-whether the materials appear eligible for the National Register of Historic Places;

-the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and

-a time frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

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If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible to mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.

b. The operator will control noxious weeds along right-of-way for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds may be obtained from the BLM, or the appropriate County Extension Office. On BLM administered land it is required that a Pesticide Use Proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.

c. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on Federal Lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities. (The BLM does not seek to compete with private industry. There are commercial facilities available for stacking and storing drilling rigs.)

<u>On BIA administered land</u>:

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 salable timber (including firewood) without a duly granted wood permit from the BIA Forester.

If the surface rights are owned by the Ute Indian Tribe and mineral rights ar owned by another entity, an 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.

All roads constructed by operators on the Uinta and Ouray Indian Reservation will have appropriate signs. Signs will be neat and of sound construction. They will state: (a) that the land is owned by the Ute Indian Tribe, (b) the name of the operator, (c) that firearms are prohibited to all non-Ute Tribal members, (d) that permits must be obtained from the BIA before cutting firewood or other timber products and (e) only authorized personnel permitted.

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All well site locations on the Uinta and Ouray Indian Reservation will have an appropriate sign indicating the name of the operator, the lease serial number, the well name and number, the survey description of the well (either footages or the quarter-quarter section, the section, township, and range).

Additional Surface Stipulations

___ No construction or drilling activities shall be conducted between _____ and _____ because of _____

___ No surface occupancy will be allowed within 1,000 feet of any sage grouse strutting ground.

___ No construction or exploration activities are permitted within 1.5 mile radius of sage grouse strutting grounds from April 1 to June 30.

___ There shall be no surface disturbance within 600 feet of live water (includes stock tanks, springs, and guzzlers).

___ No cottonwood trees will be removed or damaged.

___ A silt catchment dam and basin will be constructed according to BLM specifications approximately 300 ft. east of the location, where flagged.

___ _____

13. Lessee's or Operators Representative and Certification

Representative

Name: _____

Address: _____

Phone No: _____

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All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. 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 complete copy of the approved APD and ROW grant, if applicable, shall be on location during construction of the location and drilling activities.

The operator or his/her contractor shall contact the BLM Office at (801) 789-1362 forty-eight (48) hours prior to construction activities.

The BLM Office shall be notified upon site completion prior to moving on the drilling rig.

Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and, that the work associated with the operations proposed here will be performed by CNG Producing Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

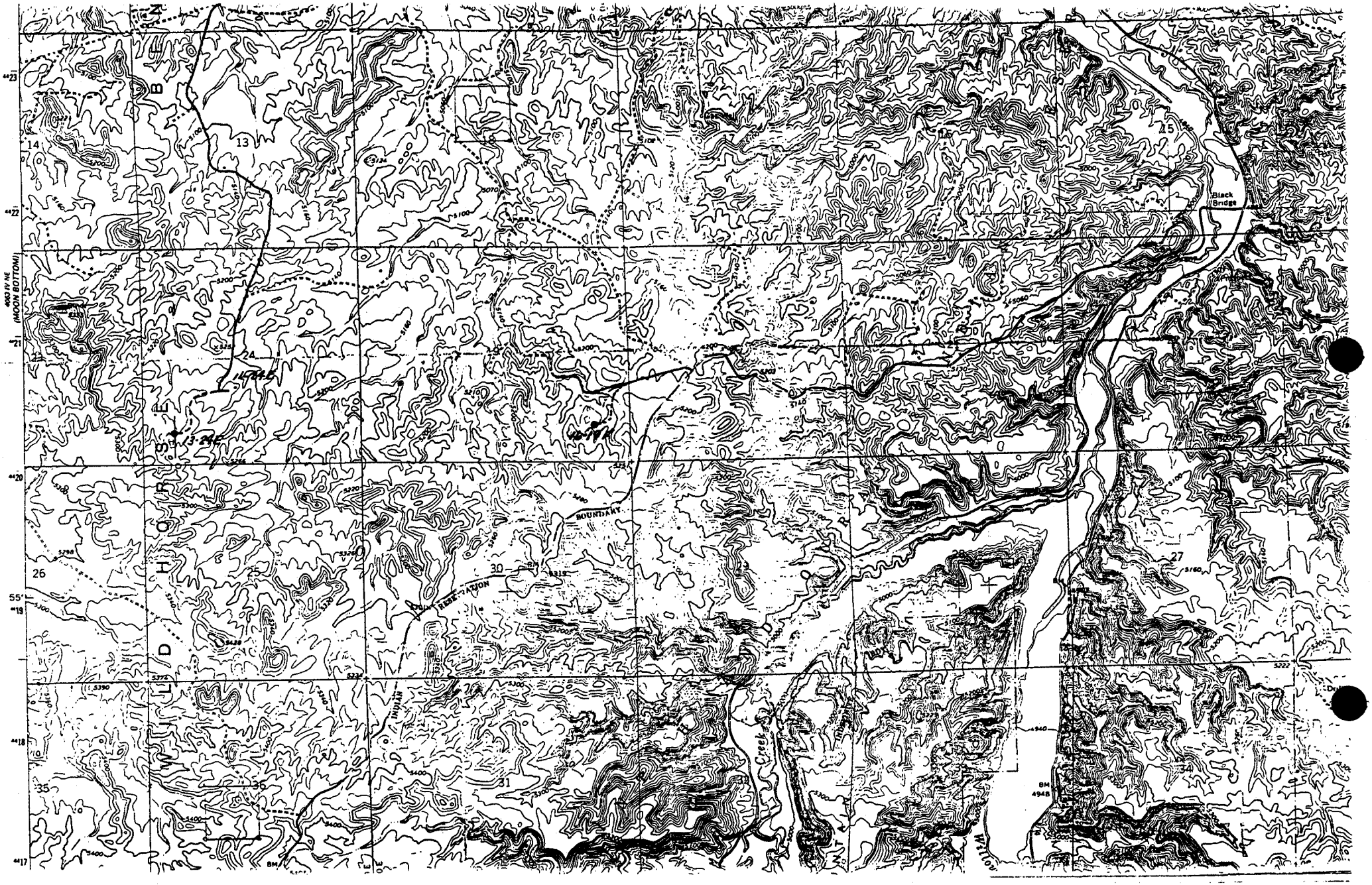
August 13, 1991
Date

Doss R. Bourgeois
Supervisor, Drlg. Eng.
Name and Title

Onsite Date: August 8, 1991

Participants on Joint Inspection

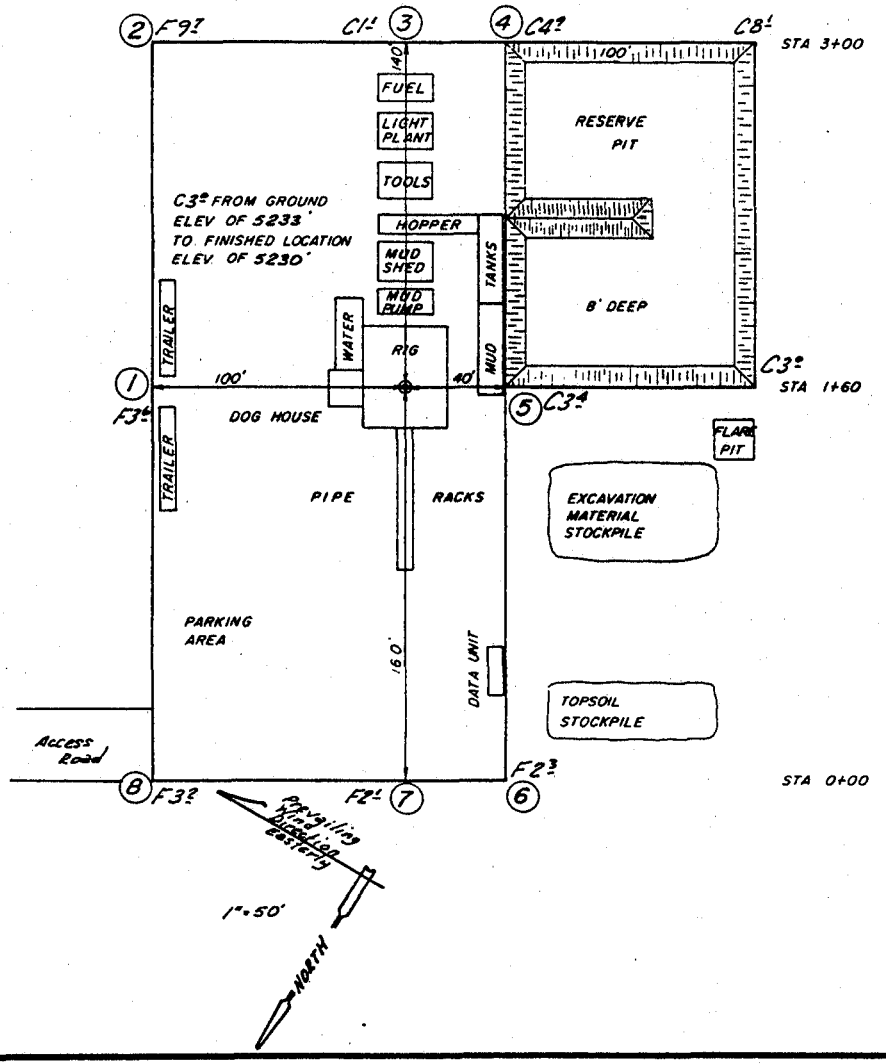
Greg Darlington	National Res. Prot. Spec.
Darwin Kulland	Manager Production

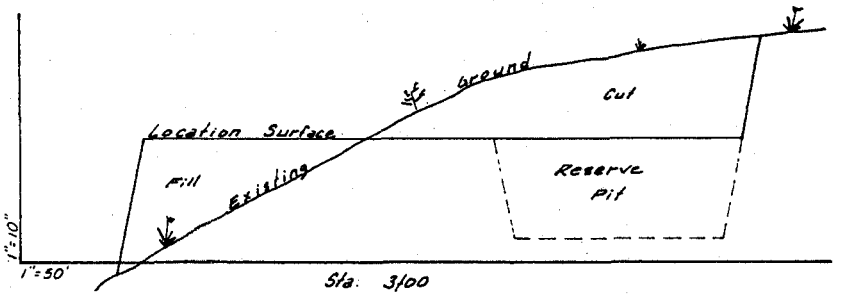


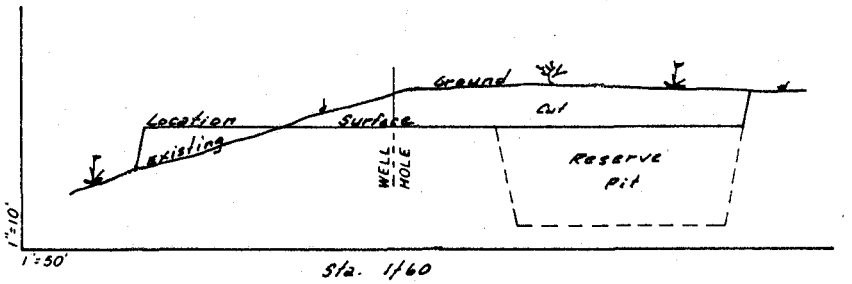
Black Bridge
BOUNDARY
RESERVATION
INDIAN
Creek
Willow
(MOON BOTTOM)

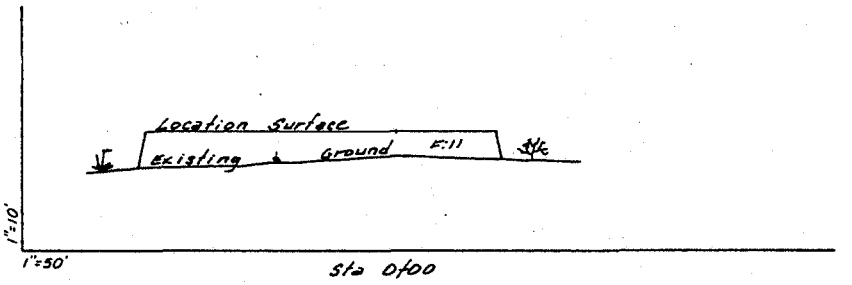
CNG PRODUCING CO
WELL LAYOUT PLAT
RBU 16-19F

Located in the SE¼ of the SE¼ of Section 19, T10S, R20E, S.L.B.&M.







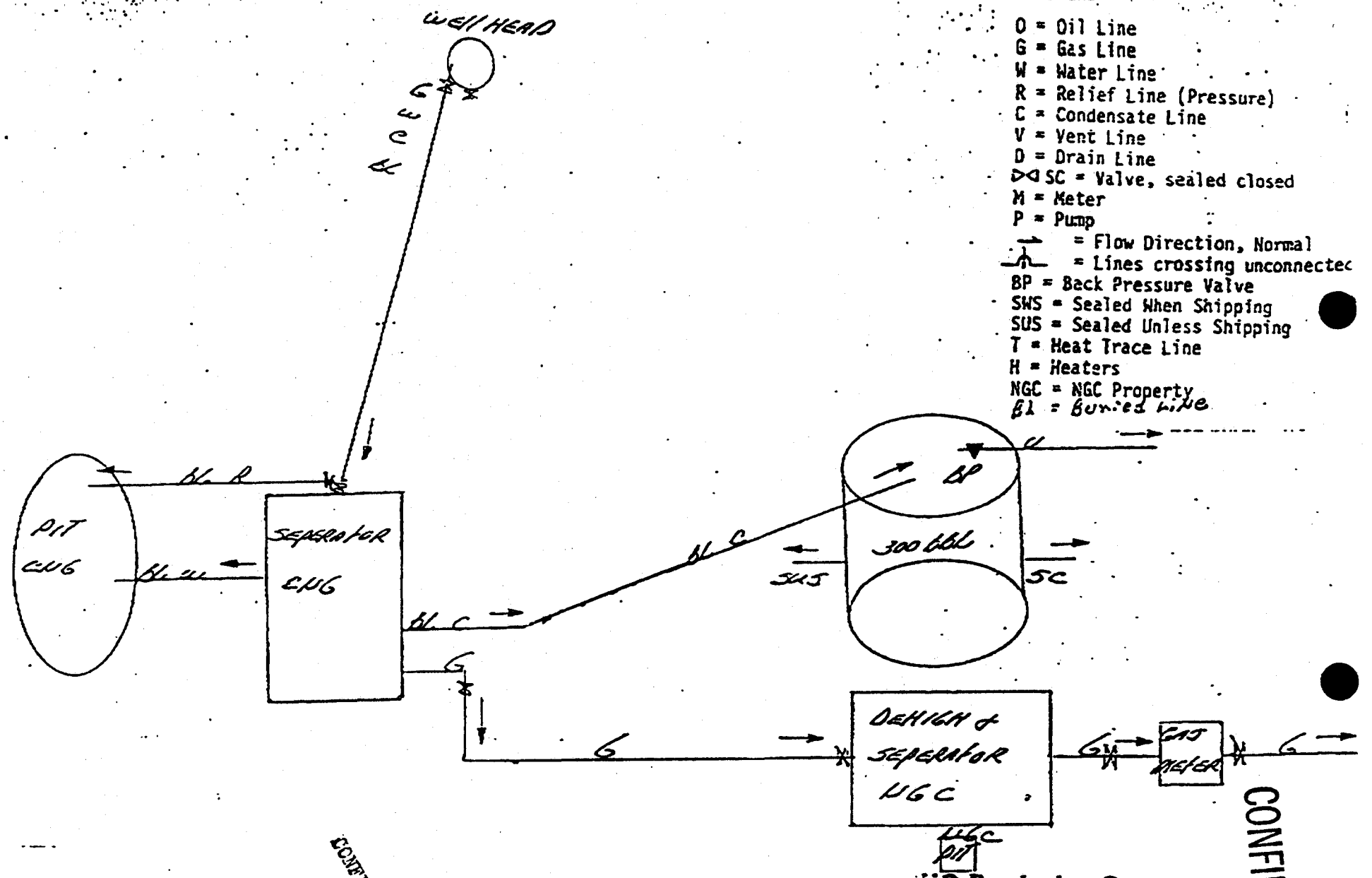


APPROXIMATE QUANTITIES

CUT: 7350 yd³ (includes pit)
FILL: 3000 yd³

6 Aug '91 79-128-183

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



NGC Producing Company
P.O. Box 1360
1400 North State Street
Roosevelt, Utah 84068

CONFIDENTIAL COPY

CONFIDENTIAL

STATE OF UTAH

44-50

NOTE:—The information given in the following blanks should be free from explanatory matter, but when necessary, a complete supplementary statement should be made on the following page under the heading "Explanatory."

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, for uses indicated by (X) in the proper box or boxes, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

1. Irrigation ☐ Domestic ☐ Stockwatering ☐ Municipal ☐ Power ☐ Mining ☐ Other Uses ☒
2. The name of the applicant is MAPCO, Inc. Production Co.
3. The Post Office address of the applicant is P.O. Box 1360 Roosevelt, Utah 84066
4. The quantity of water to be appropriated .015 second-feet and/or _____ acre-feet
5. The water is to be used for Oil Well Drilling (Major Purpose) from January 1 (Month) (Day) to December 1 (Month) (Day)

   other use period _____ (Minor Purpose) from _____ (Month) (Day) to _____ (Month) (Day)

   and stored each year (if stored) from January 1 (Month) (Day) to December 1 (Month) (Day)
6. The drainage area to which the direct source of supply belongs is _____ (Leave Blank)
7. The direct source of supply is* Underground water from Green River Formation (Name of stream or other source)

   which is tributary to _____, tributary to _____

*Note.—Where water is to be diverted from a well, a tunnel, or drain, the source should be designated as "Underground Water" in the first space and the remaining spaces should be left blank. If the source is a stream, a spring, a spring area, or a drain, so indicate in the first space, giving its name, if named, and in the remaining spaces, designate the stream channels to which it is tributary, even though the water may sink, evaporate, or be diverted before reaching said channels. If water from a spring flows in a natural surface channel before being diverted, the direct source should be designated as a stream and not a spring.

8. The point of diversion from the source is in Uintah County, situated at a point*

   Center SE of NW Section 17 T10 S R20E

   S. 1980' W. 660' NW cor.

   8 miles S. Ouray

*Note.—The point of diversion must be located definitely by course and distance or by giving the distances north or south, and east or west with reference to a United States land survey corner or United States mineral monument, if within a distance of six miles of either, or if at a greater distance, to some prominent and permanent natural object. No application will be received for filing in which the point of diversion is not defined definitely.

9. The diverting and carrying works will consist of A 7 5/8" well and 2500' deep
10. If water is to be stored, give capacity of reservoir in acre-feet 1 height of dam 5 area inundated in acres 1/4 legal subdivision of area inundated SE of NW Sec 17 T10S R20E
11. If application is for irrigation purposes, the legal subdivisions of the area irrigated are as follows:
12. Is the land owned by the applicant? Yes _____ No X If "No," explain on page 2. Total _____ Acres
13. Is this water to be used supplementally with other water rights? Yes _____ No X If "yes," identify other water rights on page 2.
14. If application is for power purposes, describe type of plant, size and rated capacity.
15. If application is for mining, the water will be used in _____ Mining District at the _____ mine, where the following ores are mined
16. If application is for stockwatering purposes, number and kind of stock watered 1000 head of Sheep.
17. If application is for domestic purposes, number of persons _____, or families
18. If application is for municipal purposes, name of municipality
19. If application is for other uses, include general description of proposed uses Drilling Riverbend Unit well by MAPCO. T9+10S R19+20E
20. Give place of use by legal subdivision of the United States Land Survey for all uses described in paragraphs 14 to 19, incl.
21. The use of water as set forth in this application will consume .015 second feet and/or acre-feet or water and none second feet and/ or acre feet will be returned to the natural stream or source at a point described as follows:

Attachment No. 5

The land is leased from the Federal Government and administrated by the Bureau of Land Management and has their approval

The B.L.M. will use the excess water for wild life + stock watering

(Use page 4 if additional explanatory is needed.)

The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purpose herein described

Darwin Kulland for Map

Signature of Applicant*

*If applicant is a corporation or other organization, signature must be the name of such corporation or organization by its proper officer, or in the name of the partnership by one of the partners, and the names of the other partners shall be listed. If a corporation or partnership, the affidavit below need not be filled in. If there is more than one applicant, a power of attorney, authorizing one to act for all, should accompany the Application.

DECLARATION OF CITIZENSHIP

STATE OF UTAH,
County of Duchesne } ss

On the 16 day of June 1980, personally appeared before me, a notary public for the State of Utah, the above applicant who, on oath, declared that he is a citizen of the United States, or has declared his intention to become such a citizen.

My commission expires:

Aug 9, 1982.

(SEAL)

[signature]

Notary Public

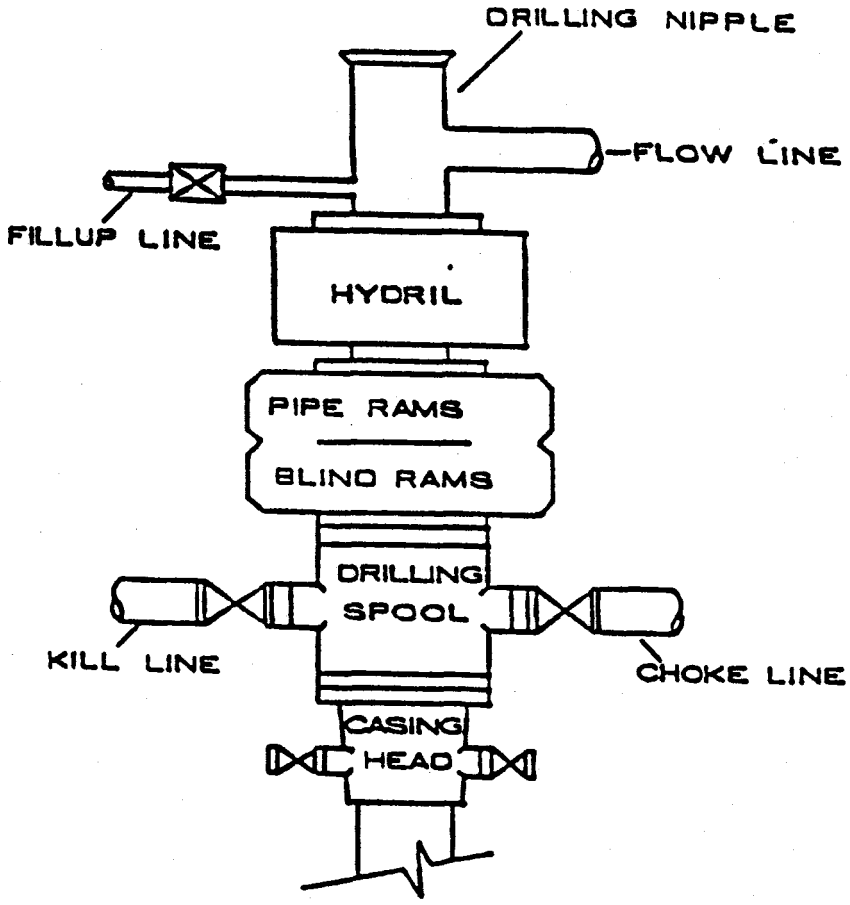
SELF-CERTIFICATION STATEMENT

Self-certification statement. Under the Federal regulation in effect as of June 15, 1988 designation of operator forms are no longer required when the operator is not the 100% record title holder. An operator is now required to submit a self-certification statement to the appropriate Bureau office stating that said operator has the right to operate upon the leasehold premises. Said notification may be in the following format:

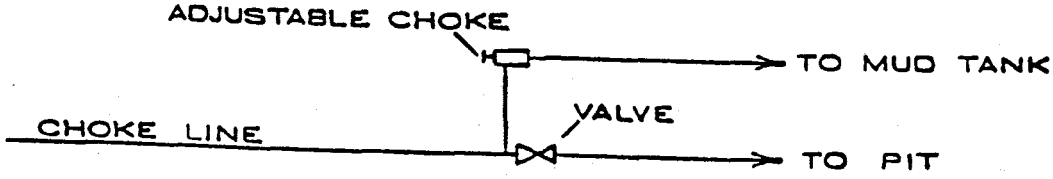
"Please be advised that CNG Producing Company is considered to be the operator of Well No. 16-19F SE 1/4 of SE 1/4 Section 19, Township 10, Range 20; Lease U-013769-A Uintah County, Utah; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by American Casualty Company of Reading, PA, Bond #524 7050.

R. S. Gloger
Drilling Manager

BOP STACK



CHOKE MANIFOLD



ATTACHMENT #2

Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

5. Lease Designation and Serial No.
U-013769-A

6. If Indian, Allottee or Tribe Name

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

CONFIDENTIAL

AUG 14 1991

DIVISION OF
OIL GAS & MINING

1. Type of Well
[ ] Oil Well [X] Gas Well [ ] Other

7. If Unit or CA, Agreement Disgnation
River Bend Unit

2. Name of Operator
CNG PRODUCING COMPANY

8. Well Name and No.
16-19F

3. Address and Telephone No.
CNG Tower - 1450 Poydras Street, New Orleans, LA 70112-6000

9. API Well No.

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Surface - 882' FEL and 875' FSL of Sect 19-T10S-R20E

10. Field and Pool, or Exploratory Area
Field

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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
	[ ] Recompletion	[ ] New Construction
[X] Subsequent Report	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
[ ] Final Abandonment Notice	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other - Variance in casing	[ ] Dispose Water
		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposesd 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.)*

Under Onshore Order #2, casing and cementing requirements, it states " All casing, except the conductor casing, shall be new or reconditioned and tested used casing that meets or exceeds API standards for new casing" the 8 5/8" 24# H-40 surface casing designed for this well and other wells in the River Bend Unit meets all of the above criteria for the order. The 8 5/8" casing is a limited service pipe which means it does not meet API standards. However, the pipe is new and was Hydro statically tested to 2,700 PSI which equals API standards for 8 5/8" 24# K-55 casing.

We respectfully submit this sundry and attached letter from the company the pipe was purchased from.

If any additional information is needed, please advise.

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

Signed Doris R. Bourgeois Title Supervisor, Drilling Eng. Date August 13, 1991

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

Title 18 U.S.C. Sesction 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

OPERATOR CNG Producing Co DATE 8-20-91

WELL NAME RBU 16-19F

SEC SESE 19 T 10S R 20E COUNTY Uintah

43-047-32070
API NUMBER

Federal (1)
TYPE OF LEASE

CONFIDENTIAL

CHECK OFF:

- [x] PLAT
- [x] BOND
- [x] NEAREST WELL
- [x] LEASE
- [x] FIELD SLBM
- [x] POTASH OR OIL SHALE

PROCESSING COMMENTS:

Included in supplement 91 POD approved 7-18-91
Water permit 49-801 (A54801) Mapco Inc.
Oil Shale area

APPROVAL LETTER:

SPACING: [x] R615-2-3 Rules Bend UNIT [ ] R615-3-2

[ ] N/A CAUSE NO. & DATE [ ] R615-3-3

CONFIDENTIAL PERIOD EXPIRED ON 1-27-93

STIPULATIONS:

1- Oil Shale

0218T

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

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

August 22, 1991

CNG Producing Company
CNG Tower-1450 Poydras Street
New Orleans, LA 70112-6000

Gentlemen:

Re: RBU 16-19F Well, 875 feet from the South line, 882 feet from the East line, SE SE, Section 19, Township 10 South, Range 20 East, Uintah County, Utah

Approval to drill the referenced well is hereby granted in accordance with Utah Code Ann. Section 40-6-18, et seq. (1953, as amended), and Utah Admin. R.615-2-3, subject to the following stipulation:

1. Special attention is directed to compliance with Utah Admin. R.6l5-3-34, which prescribes drilling procedures for designated oil shale areas.

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

1. Spudding notification within 24 hours after drilling operations commence.

2. Submittal of Entity Action Form 6, within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.

3. Submittal of the Report of Water Encountered During Drilling, Form 7.

4. Prompt notification in the event it is necessary to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801) 538-5340, (Home) (801) 476-8613, or R. J. Firth, Associate Director, (Home) (80l) 571-6068.

5. Compliance with the requirements of Utah Admin. R.6l5-3-20, Gas Flaring or Venting.

6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Department of Environmental Quality, Division of Drinking Water/Sanitation, telephone (801) 538-6159.

7. 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 43-047-32070.

Sincerely,

R. J. Firth
Associate Director, Oil & Gas

tas
Enclosures
cc: Bureau of Land Management
J. L. Thompson
we14/1-5

Form 3160-3
(November 1983)
(formerly 9-331C)

SUBMIT IN TRIPLICATE*
(Other instruction on reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO
U-013769-A

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

1a. TYPE OF WORK
DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL
OIL WELL [ ] GAS WELL [X] OTHER SINGLE ZONE [ ] MULTIPLE ZONE [ ]

7. UNIT AGREEMENT NAME
River Bend Unit

8. FARM OR LEASE NAME
RBU

2. NAME OF OPERATOR
CNG PRODUCING COMPANY

9. WELL NO.
16-19F 43-047-32070

3. ADDRESS OF OPERATOR
CNG Tower, 1450 Poydras St., New Orleans, LA 70112-6000

10. FIELD AND POOL, OR WILDCAT

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface
882' FEL & 875' FSL
At proposed prod. zone
Same

CONFIDENTIAL

11. SESC., T., R., M., OR BLK. AND SURVEY OR AREA
19-T10S-R20E

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

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

RECEIVED
SEP 17 1991
DIVISION OF OIL GAS & MINING

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line if any) 1,150'

16. NO. OF ACRES IN LEASE 196.27

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 875'

19. PROPOSED DEPTH 6,700'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5,233' GR

22. APPROX. DATE WORK WILL START
October 1, 1991

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	Cement to Surface
7 7/8"	5 1/2"	17#	+/-6,700	Cement Calc to Surface

1. Drill a 12 1/4" hole with an air rig to +/-400', run 8 5/8", H-40 casing and cement to surface.
2. NU and pressure test BOP stack (Attach #2) prior to drilling out below surface pipe.
3. Operate pipe rams daily and blind rams as possible.
4. Drill a 7 7/8" hole to 6,700' with a salt water mud system. Coring is possible. DST's will be run as needed to evaluate unexpected shows.
5. Run logs, set 5 1/2", 17#, N 80 & K-55 casing as dictated by drilling shows, tests, and logs. Casing program may be modified to provide added burst strengh if needed for frac program.
6. Primary zones of interest are the Wasatch, Chapita Wells & Uteland Buttes.
7. All zones indicating potential for economically recoverable reserves will be tested in a normal, prudent manner.
8. In the event of lost circulation, air or air assisted mud will be utilized.

AUG 1991

CONFIDENTIAL

SEE BACK FOR FORMATION TOPS

CNG Producing respectfully request that all information concerning this well be held confidential.

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 verticle depth Give blowout preventer program, if any.

24.
SIGNED [signature] for Doss R. Bourgeois TITLE Supervisor, Drilling Engineering DATE 8/13/91

(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

APPROVED BY [signature] TITLE ACTING ASSISTANT DISTRICT MANAGER MINERALS DATE 9/13/91

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

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.

UT080-1120-198 Div OG+M 9/29/91

Revised November 1990

Date NOS Received: 07/29/91
APD: 08/15/91

CONDITIONS OF APPROVAL

FOR APPLICATION FOR PERMIT TO DRILL

Company/Operator: CNG PRODUCING COMPANY

Well Name & Number: RBU 16-19F

Lease Number: U-013769A

Location: SESE Sec. 19 T. 10S R. 20E

Surface Ownership: Public Lands Administered by the BLM

NOTIFICATION REQUIREMENTS

Location Construction	-	at least forty-eight (48) hours prior to construction of location and access roads.
Location Completion	-	prior to moving on the drilling rig.
Spud Notice	-	at least twenty-four (24) hours prior to spudding the well
Casing String and Cementing	-	at least twenty-four (24) hours prior to running casing and cementing all casing strings.
BOP and Related Equipment Tests	-	at least twenty-four (24) hours prior to initiating pressure tests.
First Production Notice	-	within five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

Approval of this application 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.

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 Orders, 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.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. DRILLING PROGRAM

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to Tim Ingwell of this office. Copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable 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

The BOP and related equipment shall meet the minimum requirements of onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

The special drilling requirements in Onshore Order No. 2 regarding air or gas drilling shall be adhered to if air is used as the principal drilling medium, i.e. the rig mud pumps are not being utilized while drilling.

3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the top of the Mahogany oil shale, identified at ±2003 ft.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

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 progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the Authorized Officer. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the Authorized Officer (AO).

A cement bond log (CBL) shall be utilized to determine the top of cement (TOC) and bond quality for the production casing.

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 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.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

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.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells, as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated, or the date on which gas is first measured through permanent metering facilities, whichever first occurs.

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 five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of thirty (30) days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the AO. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

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 thirty (30) days of installation or first production, whichever occurs first. All site security regulations, as specified in Onshore Oil and Gas Order No. 3, 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.

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 thirty (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/her representative or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

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

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried or anchored down from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and 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 at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover 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.

"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 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to $10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approvals are necessary, please contact one of the following individuals:

Gerald E. Kenczka Petroleum Engineer	(801) 781-1190
Ed Forsman Petroleum Engineer	(801) 789-7077
BLM FAX Machine	(801) 789-3634

EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous:

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spend solvents, spilled chemicals, and waste acids.

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt wastes.

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation, and miscellaneous solids

B. THIRTEEN POINT SURFACE USE PROGRAM:

1. Methods for Handling Waste Disposal

The reserve pit shall be lined to conserve water and drilling fluid.

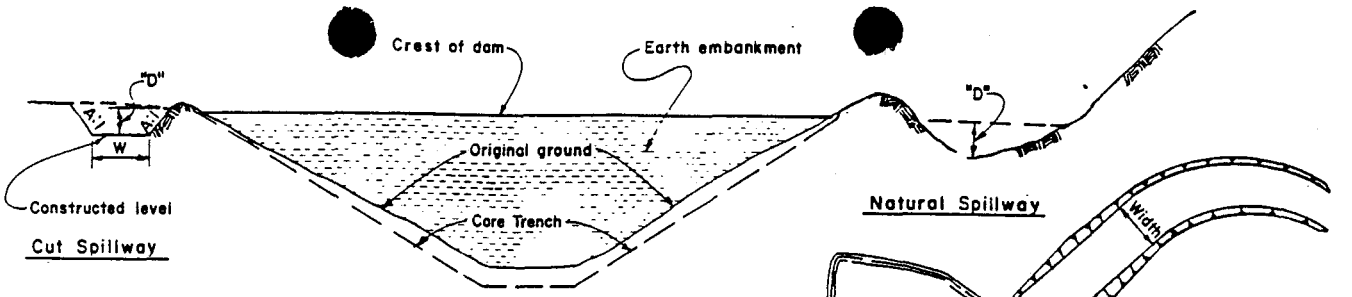
"If a plastic nylon reinforced liner is used, it will be a minimum of 10 mil thickness with sufficient bedding (either straw or dirt) to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. More stringent protective requirements may be deemed necessary by the A.O."

After first production, produced waste water will be confined to a lined pit or storage tank for a period not to exceed ninety (90) days. During the 90 day period, in accordance with NTL-2B, an application for approval of a permanent disposal method and location, along with required water analysis, shall be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.

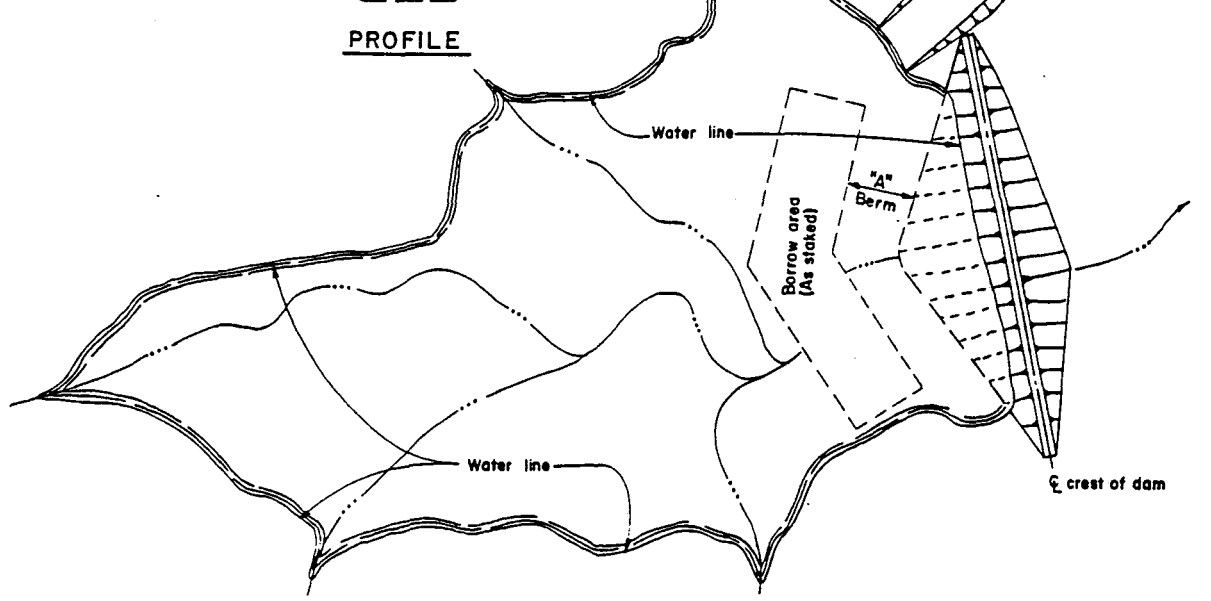
2. Additional Surface Stipulations

A silt catchment dam and basin will be constructed according to BLM specifications approximately 300 ft. east of the location, where flagged.

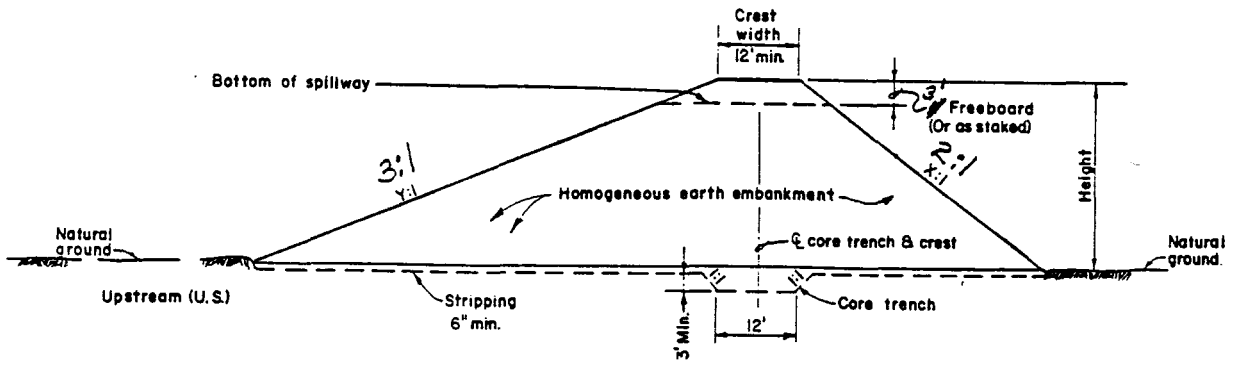
Construct two (2) erosion control dams; one as in APD below the access road where flagged and one northwest of the location in a smaller drainage, also flagged. We request no bar ditch on the (uphill) inside slope on the new access road. Borrow ditches should be avoided when going over ridges at right angles to the ridgeline and be kept to the minimum needed to adequately handle runoff.



PROFILE



PLAN



CROSS-SECTION
(BOTTOM OF DRAINAGE)

NOTES:

1. Embankment slopes & dimensions shall be as shown on the Work Summary Chart
2. Cut spillway to be constructed where no adequate natural spillway exists

ALWAYS THINK SAFETY

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT DIVISION OF ENGINEERING SYSTEMS DENVER SERVICE CENTER	
TYPICAL MINOR RETENTION DAM	
DESIGNED REVIEWED APPROVED	
DRAWN P.W. Twist J.D. Sedillo	SCALE NONE
DATE MARCH 9, 1984	SHEET OF
DRAWING NO. 02294-2	

DIVISION OF OIL, GAS AND MINING

WATER PERMIT OK

API NO. 43-047-32070

SPUDDING INFORMATION

CONFIDENTIAL

NAME OF COMPANY: CNG PRODUCING COMPANY

WELL NAME: RBU 16-19F

SECTION SESE 19 TOWNSHIP 10S RANGE 20E COUNTY UINTAH

DRILLING CONTRACTOR

RIG #

SPUDDED: DATE 9-18-91

TIME 3:30 p.m.

HOW DRY HOLE

DRILLING WILL COMMENCE

REPORTED BY SHIRLEY

TELEPHONE # 722-4521

DATE 9-23-91 SIGNED TAS/FRM

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

RECEIVED
SEP 30 1991
DIVISION OF
OIL GAS & MINING

ENTITY ACTION FORM – FORM 6

OPERATOR **CNG Producing Company** OPERATOR ACCT. NO. **N0605**

ADDRESS **CNG Tower**
1450 Poydras Street
New Orleans, LA 70112-6000

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B	99999	07050	43-047-32070	RBU 16-19F	SE SE	19	10S	20E	Uintah	09/18/91	
WELL 1 COMMENTS: **This well is located within River Bend Unit on BLM land.** Entity added 10-2-91. fee (wasatch-mesaverde "A-B" P.A.)											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS											

ACTION CODES (See instruction on back of form)
- A – establish new entity for new well (single well only)
- B – Add new well to existing entity (group or unit well)
- C – Re-assign well from one existing entity to another existing entity
- D – Re-assign well from one existing entity to a new entity
- E – Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

Susan M. Hebert
Signature

Regulatory Reports Assistant II **September 26, 1991**
Title Date

Phone No. **(504) 593-7260**

Form 3160-5

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

5. Lease Designation and Serial No.
U-013769-A

6. If Indian, Allottee or Tribe Name

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.
16-19F

3. Address and Telephone No.
CNG Tower - 1450 Poydras Street, New Orleans, LA 70112-6000

9. API Well No.
43-047-32070

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Surface - 882' FEL and 875' FSL of Sect 19-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
	[ ] Recompletion	[ ] New Construction
[X] Subsequent Report	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
[ ] Final Abandonment Notice	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other - Amend Drilling Permit	[ ] Dispose Water (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.)*

CNG Producing Company would like to amend the drilling permit for the above referenced well to reflect at Total Depth of 7,250' in lieu of 6,700' originally permitted.

If you have any questions or need any further information, please feel free to contact Sue Hebert at (504) 593-7260.

RECEIVED
OCT 21 1991
DIVISION OF
OIL GAS & MINING

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

Signed [signature] for DRB Title Supervisor, Drilling Eng. Date October 15, 1991
Doss R. Bourgeois

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

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

Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

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SUBMIT IN TRIPLICATE

RECEIVED
OCT 28 1991
DIVISION OF OIL GAS & MINING

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

5. Lease Designation and Serial No.
U-013769-A

6. If Indian, Allottee or Tribe Name

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.
16-19F

3. Address and Telephone No.
CNG Tower - 1450 Poydras Street, New Orleans, LA 70112-6000

9. API Well No.
43-047-32070

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Surface - 882' FEL and 875' FSL of Sec. 19-T10S-R20E

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	[X] Other - Weekly Report	[ ] Dispose Water
		(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.)*

October 23 - 25, 1991

Move in and rig up. Prepare to spud with drilling rig. Break tour and test casing and BOPs. Tested OK. Pick up 7 7/8" bit and drill cement. Drilling new formation. Survey @ 896'. Drilling. Survey @1,924'. Drilling. Survey @3,232'. Drilling. TD 4,130'. Mud wt. 8.6.

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

Signed Susan M. Hebert Title Regulatory Reports Asst. II Date October 25, 1991
Susan M. Hebert

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

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DIVISION OF OIL, GAS AND MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING - FORM 7 (1/8

1. Well name and number: RBU 16-19F
   API number: 43-047-32070

2. Well location: QQ SE SE section 19 township 10S range 20E county Uintah

3. Well operator: CNG Producing Company
   Address: CNG Tower - 1450 Poydras Street phone: (504) 593-7000
   New Orleans, LA 70112-6000

4. Drilling contractor: S.S.T. Energy Corporation
   Address: 999 18th Street, Suite 1690 phone: (303) 293-8188
   Denver, CO 80202

5. Water encountered (continue on reverse side if necessary)

Depth		Volume	Quality
from	to	(flow rate or head)	(fresh or salty)
4,150'	4,170'	100 BPH	Fresh

6. Formation tops: Wasatch Tongue 3,850'
   Green River Tongue 4,200'

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I certify that this report is true and complete to the best of my knowledge.

Name Doss R. Bourgeois
Title Supervisor, Drilling Eng.

Signature Doss R. Bourgeois
Date October 28, 1991

Comments:

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DIVISION OF
OIL GAS & MINING

Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

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

SUNDRY NOTICES AND REPORTS ON WELLS

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U-013769-A

6. If Indian, Allottee or Tribe Name

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.
16-19F

3. Address and Telephone No.
CNG Tower - 1450 Poydras Street, New Orleans, LA 70112-6000

9. API Well No.
43-047-32070

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Surface - 882' FEL and 875' FSL of Sec. 19-T10S-R20E

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Island

11. County or Parish, State
Uintah, Utah

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October 26 - November 1, 1991

Drilling to 4,228'. Circulate and survey. Drilling to 4,354'. Circulate and survey @4,354'. Drilling to 5,226'. Trip out of hole to recover survey tool. Trip in hole. Wash and ream 70' to bottom. Drilling to 5,529', reduce air partial circulation. Short trip 30 stands. Drilling. Survey @6,028'. Drilling. Circulate and condition hole. Pick up globe basket and junk basket and trip in hole on drill pipe and drill collars. Working fishing tools on bottom. Stand kelly back and trip out with 1 stand drilling pipe. Work stuck drill pipe. Trip out. Recovery only 90% of one cone. Two remain in the hole. Trip in with fishing assembly. Circulate and condition hole and wash and ream from 5,600' to TD. Twist off drill string. Circulate and condition hole. Trip out of hole to pick up fishing assembly. Pick up fishing tools. Trip in hole and catch fish at 2,575' and jar on fish. Pull fish free. Chain out and lay down fishing tools. Trip out - no lost comes from twist off. Trip in hole, SLM, to circulate and condition hole before magnet run.

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

Signed Susan M. Hebert Title Regulatory Reports Asst. II Date November 1, 1991
Susan M. Hebert

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
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Form 3160-5

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

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SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.
U-013769-A

6. If Indian, Allottee or Tribe Name

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.
16-19F

3. Address and Telephone No.
CNG Tower - 1450 Poydras Street, New Orleans, LA 70112-6000

9. API Well No.
43-047-32070

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Surface - 882' FEL and 875' FSL of Sect 19-T10S-R20E

10. Field and Pool, or Exploratory Area
Island

11. County or Parish, State
Uintah, Utah

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CNG Producing Company would like to amend the drilling permit for the above referenced well to reflect at Total Depth of 7,300' in lieu of 7,250' originally permitted.

Sue Hebert received a verbal from Ed Forsman, BLM - Minerals, on November 1, 1991.

RECEIVED
NOV 0 4 1991
DIVISION OF
OIL GAS & MINING

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

Signed Doss R. Bourgeois Title Supervisor, Drilling Eng. Date November 1, 1991
Doss R. Bourgeois

(This space for Federal or State office use)

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FORM APPROVED
BUDGET BUREAU NO. 1004-0135
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UNITED STATES
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BUREAU OF LAND MANAGEMENT

FORM APPROVED
BUDGET BUREAU NO. 1004-0135
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SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.
U-013769-A

6. If Indian, Allottee or Tribe Name

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.
16-19F

3. Address and Telephone No.
CNG Tower - 1450 Poydras Street, New Orleans, LA 70112-6000

9. API Well No.
43-047-32070

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Surface - 882' FEL and 875' FSL of Sect 19-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
	[ ] Recompletion	[ ] New Construction
[X] Subsequent Report	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
[ ] Final Abandonment Notice	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other - Amend Drilling Permit	[ ] Dispose Water (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.)*

CNG Producing Company would like to amend the drilling permit for the above referenced well to reflect at Total Depth of 7,300' in lieu of 7,250' originally permitted.

Sue Hebert received a verbal from Ed Forsman, BLM - Minerals, on November 1, 1991.

RECEIVED
NOV 0 4 1991
DIVISION OF
OIL GAS & MINING

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

Signed Doss R. Bourgeois Title Supervisor, Drilling Eng. Date November 1, 1991
Doss R. Bourgeois

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

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

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

RECEIVED NOV 12 1991 DIVISION OF OIL GAS & MINING

CONFIDENTIAL

1. Type of Well [ ] Oil Well [X] Gas Well [ ] Other	5. Lease Designation and Serial No. U-013769-A
2. Name of Operator CNG PRODUCING COMPANY	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. CNG Tower - 1450 Poydras Street, New Orleans, LA 70112-6000	7. If Unit or CA, Agreement Designation River Bend Unit
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Surface - 882' FEL and 875' FSL of Sec. 19-T10S-R20E	8. Well Name and No. 16-19F
	9. API Well No. 43-047-32070
	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
	[ ] Recompletion	[ ] New Construction
[X] Subsequent Report	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
[ ] Final Abandonment Notice	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other - Weekly Report	[ ] Dispose Water (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.)*

<u>November 2 - November 8, 1991</u>

Circulate and condition hole at TD @ 6,245'. Trip out of hole to pick up magnet. Trip in hole with magnet. Work magnet on bottom. Trip out with magnet. Recover one cone and a nose cone. One cone remaining in hole. Trip in hole. Work magnet on bottom. Trip out with magnet. Recover one nose cone. One cone ring remaining. Service Rig. Trip in hole with magnet. Work magnet on bottom. Trip out with magnet. Recover lost cone ring. Rig repair. Trip in hole, SLM, to TD at 6,245'. Drilling from 6,367' to 6,607'. Rig service. Drilling. Wash and ream 100' to bottom. Drilling. Trip out of hole with 10 stands. Rig up air services and circulate and condition hole. Trip in hole and wash and ream 60' to bottom. Drilling with full returns with 700 cu/ft min air. Drilling. Lost pump pressure of 100#, pick up string and twist off. Trip out of hole and pick up fishing assembly. Trip in hole and catch fish at 5,335'. Jar fish loose and trip out of hole and lay down fishing tools. Trip out to inspect BHA. TD - 7,095'. Mud wt. 8.5.

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

Signed Susan M. Hebert Title Regulatory Reports Asst. II Date November 8, 1991
Susan M. Hebert

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

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

Form 3160-5

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

RECEIVED NOV 25 1991 DIVISION OF OIL, GAS & MINING

5. Lease Designation and Serial No.
U-013769-A

6. If Indian, Allottee or Tribe Name

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.
16-19F

3. Address and Telephone No.
CNG Tower - 1450 Poydras Street, New Orleans, LA 70112-6000

9. API Well No.
43-047-32070

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Surface - 882' FEL and 875' FSL of Sec. 19-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
	[ ] Recompletion	[ ] New Construction
[X] Subsequent Report	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
[ ] Final Abandonment Notice	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other - Weekly Report	[ ] Dispose Water
		(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.)*

November 9 - November 15, 1991

Stage in hole with drill string and circulate and condition hole. Drilling. Circulate and condition hole. 20 stand short trip. Circulate and condition hole with 120' of fill after short trip. Circulate and condition hole for logs. Trip out of hole. Move in and rig up Halliburton Logging Service. Open hole logging. Trip in hole. Wash and ream from 6,600 - 7,225'. Work drill string out of tight hole. Circulating and conditioning hole while rotating @7,070'. Circulate and condition hole. Wash and ream from 7,070' to TD @7,250'. Trip out laying down drill pipe and drill collar. Rig up and run 174 jts 5 1/2" 17# N-80 casing with guide shoe, float collar & 13 centralizers. Circulate and condition hole. Wash 5 1/2" casing to TD @7,250'. Rig up Dowell and cement 5 1/2" casing with 607 sks lead cement and 1180 sks tail cement. Displace 5 1/2" casing with 167 3/4 bbls of 2% KCL water. Plug down, with 3000 PSI surface pressure. Floats held. Rig down Dowell. Pick up BOP stack and set 5 1/2" casing slips in full tension 138,000 PSI. Cut off 5 1/2" casing and lay down cut off joint. Cap 5 1/2" casing. Clean and jet steel pits. Release rig on 11/14/91.

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

Signed Susan M Hebert Title Regulatory Reports Asst. II Date November 15, 1991
Susan M. Hebert

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

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

RECEIVED
JAN 27 1992
DIVISION OF
OIL GAS & MINING

January 24, 1992

U.S. Dept. of the Interior
Bureau of Land Management
Utah State Office
324 South State - Suite 301
Salt Lake City, UT 84111-2303

API #: 4304732070

RE: River Bend Unit
Designation of Agent
River Bend Unit 16-19F
Section 19-T10S-R20E

Gentlemen:

Enclosed please find three originals of the subject designation for the above referenced well. PG&E Resources will handle the operations for the completion of this well. Once completed, CNG Producing Company will resume operation of the well as Operator of River Bend Unit.

Should you have any questions please feel free to contact either myself, at (504) 593-7260, or the project engineer, David Linger, at (504) 593-7779.

Sincerely,

Susan M. Hebert

Susan M. Hebert
Regulatory Reports Asst. II

Enclosure

cc: Mr. Douglas P. Cullen - PG&E Resources
Utah Board of Oil, Gas & Mining

DESIGNATION OF AGENT

District Manager

The undersigned is, on the records of the Bureau of Land Management Unit Operator under the River Bend unit agreement, Uintah County, Utah, No. 14-08-0001-16035 approved March 21, 1977 and hereby designates:

NAME: PG&E Resources Company

ADDRESS: 5950 Berkshire Lane, Suite 600, Dallas, Texas 75225

as its agent, with full authority to act in its behalf in complying with the terms of the Unit agreement and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to drilling, testing, and completing unit well No. 16-19F, the SE 1/4 SE 1/4, Section 19, T. 10S, R. 20E, Uintah County, Utah.

This designation of agent does not relieve the Unit Operator of responsibility for compliance with the terms of the unit agreement. It is also understood that this designation of agent does not constitute an assignment of any interest under the unit agreement or any lease committed thereto.

The designated agent will be responsible for compliance with the Oil and Gas Operating Regulations as they relate to the drilling, testing, and completing of unit well No. 16-19F. In accordance with 3104.2, bonding shall be provided by PG&E Resources Company, Bond No. 8101-04-97.

This designation of agent is deemed to be temporary and in no manner a permanent arrangement.

This designation is given only to enable the agent herein designated to drill the above specified unit well. Unless sooner terminated, this designation shall terminate when there is filed in the appropriate district office of the Bureau of Land Management a completed file of all required Federal reports pertaining to subject well. At which time the unit operator shall assume all liability of the well and bonding shall be provided by the unit operator or as otherwise arranged by the unit agreement. It is also understood that this designation of agent is limited to field operations and does not cover administrative actions requiring specific authorization of the unit operator.

CNG Producing Company
Unit Operator

By: _____
Its Attorney-in-Fact

DESIGNATION OF AGENT

District Manager

The undersigned is, on the records of the Bureau of Land Management Unit Operator under the River Bend unit agreement, Uintah County, Utah, No. 14-08-0001-16035 approved March 21, 1977 and hereby designates:

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CNG Producing Company
Unit Operator

By: [signature]
Its Attorney-in-Fact

APPROVED EFFECTIVE FEB 4 1992

[signature]
CHIEF, BRANCH OF FLUID MINERALS
BUREAU OF LAND MANAGEMENT

BFM

PG&E Resources Company
5950 Berkshire Lane, Suite 600
Dallas, Texas 75225
(214) 750-3800

FAX COVER SHEET

PG&E Resources Fax Numbers

☒	Main Fax (7th Flr.)	- (214) 750-3977
☐	Executive/Law Offices (6th Flr.)	- (214 750-3803
☐	Exploration (6th Flr.)	- (214) 750-3993
☐	Onshore Operations (7th Flr.)	- (214) 750-3845
☐	Offshore Operations (12th Flr.)	- (214) 750-3954
☐	Accounting (8th Flr.)	- (214) 750-3998
☐	Accounting (Revenue) (2nd Flr.)	- (2 4) 750-3994
☐	Acquisitions (12th Flr.)	- (214) 750-3954
☐	Marketing (2nd Flr.)	- (214) 750-3994

This transmittal was sent from the Fax ✓ checked above.

TO: Lisha Romero @ BLM @ FAX # 801-359-3940

_____ @ _____ @ FAX # _____

_____ @ _____ @ FAX # _____

_____ @ _____ @ FAX # _____

FROM: Doug Cullen DATE: 2-20-92

TOTAL NO. OF PAGES: 1 (does not include cover page)

SPECIAL INSTRUCTIONS: _____

IF YOU DO NOT RECEIVE ALL OF THIS TRANSMITTAL, PLEASE NOTIFY Susan @ (214) 750-3941

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1- LCR	7-LCR
2- DTS	
3- VLC	
4- RJF	
5- RWM	
6- ADA	

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

☐ Change of Operator (well sold) XXX Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 2-4-92)

TO (new operator) C.N.G. PRODUCING C/O PG&E RESOURCES COMPANY
(address) 5950 BERKSHIRE LANE #600
DALLAS, TX 75225
DOUGLAS CULLEN
phone (214) 750-3868
account no. N 0605(A)

FROM (former operator) C.N.G. PRODUCING
(address) CNG TOWER-1450 POYDRAS ST.
NEW ORLEANS, LA 70112-6000
SUSAN HEBERT
phone (504) 593-7260
account no. N0605

Well(s) (attach additional page if needed): *RIVER BEND UNIT

Name	API	Entity	Sec	Twp	Rng	Lease Type
RBU #16-19F / DRL	43-047-32070	7050	19	10S	20E	U-013769 (A)

OPERATOR CHANGE DOCUMENTATION

Lec 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Rec'd 1-27-92)

Lec 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Req. 2-20-92)(Rec'd 2-20-92)

N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) _____ If yes, show company file number: _____.

Lec 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.

Lec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (2-20-92)

Lec 6. Cardex file has been updated for each well listed above. (2-20-92)

Lec 7. Well file labels have been updated for each well listed above. (2-20-92)

Lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (2-20-92)

Lec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

- OVER -

ERATOR CHANGE WORKSHEET (CONTINUED) [illegible] each item when completed. Write N/A [illegible] tem is not applicable.

TITY REVIEW

Jef 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) ____ (If entity assignments were changed, attach copies of Form 6, Entity Action Form). 7050/CNG Producing "at completion of well, will be changed back to CNG".

N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

ND VERIFICATION (Fee wells only)

N/A 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.

N/A 2. A copy of this form has been placed in the new and former operators' bond files.

N/A 3. The former operator has requested a release of liability from their bond (yes/no) ___. Today's date _____ 19___. If yes, division response was made by letter Jef dated _____ 19___.

ASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated _____ 19___, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.

OTS 2-21-92

N/A 2. Copies of documents have been sent to State Lands for changes involving State leases.

LMING

~~Rom~~ 1. All attachments to this form have been microfilmed. Date: ~~February~~ Conf. 25 1992.

LING

_ 1. Copies of all attachments to this form have been filed in each well file.

_ 2. The original of this form and the original attachments have been filed in the Operator Change file.

MMENTS

Blm/S.L. Approved 2-4-92.

71/34-35

Type 5
premium plus AG
1.18 yield 15.6
5.2 gal/wtr

RECEIVED
MAR 30 1992
DIVISION OF
OIL GAS & MINING

APPROVAL TO PLUG AND ABANDON WELL - CASED HOLE

Operator P.G + E Resources Representative David

Phone

Well Number RBU 16-19F 43-047-32070

Location: SE 1/4 SE 1/4 Section 19 Township 10S Range 20E

Uintah County, Utah Lease No. U-013769-A

Field/CA/Unit Name River Bend Unit

Formation	Top	Base	Shows
Uintah	Surface	1220	N/A
Green River	1220	4770	
Wasatch	4770	TD	Gas

Oil Shale/Tar Sand Show X Yes ____ No

Depth (if not shown above) 2000 - 2200

T.D. 7250 P.B.D. ____ Cubic Ft./Sack Cement ____

Casing Size	Set At	Top of Cement	To be Pulled
8 5/8	418 ft	Surface	None
5 1/2	7201	730 ft	None

RECEIVED

MAR 30 1992

DIVISION OF
OIL GAS & MINING

REMARKS/ADDITIONAL DATA

Type of Plugging Fluid/Mud in the hole for plugging purposes 8.4-8.5 3% KCl

Plans for Conditioning/Hole Clean-up prior to setting plugs None

Perforations 4740 - 5079

Previous Plugs/Squeezes None

Areas of Bad Casing None

Additional information (known water zones, etc.) Water @ ± 4150

PLUGGING REQUIREMENTS

1. Set CICR @ ± 4700 ft - Sqz 50 sxs through CICR and leave a minimum of 100 ft cement on top of CICR.
2. Spot a 300 ft. plug inside the 5½" casing from ± 4150-22
3. Place a minimum of a 100 ft plug from ± 368-468 f
   This plug needs to include both the 5½" annulus and the 5½"x7⅞", 5½"x8⅝" annulus.
4. Place a 50 ft plug at the surface in all annuli.

Approved by Ed Forsman Date 3-26-92 Time 12:20 a.m. p.m.

(May 1989)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

OMB NO. 1004-0135
Expires: September 30, 1990

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 [X] OTHER Drilled and Abandoned

2. NAME OF OPERATOR: PG&E Resources Company

3. ADDRESS OF OPERATOR: 5950 Berkshire Lane, Suite 600, Dallas, Texas 75225 (214) 750-3800

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface
Sec. 19-T10S-R20E
(SE/4 of the SE/4 of Section 19)

5. LEASE DESIGNATION AND SERIAL NO.: U-013769-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Utetribe

7. UNIT AGREEMENT NAME: River Bend Unit

8. FARM OR LEASE NAME: River Bend

9. WELL NO.: 16-19F

10. FIELD AND POOL, OR WILDCAT: River Bend Unit

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 19-T10S-R20E

12. COUNTY OR PARISH: Uintah

13. STATE: Utah

14. PERMIT NO.: 43-047-32070

15. ELEVATIONS (Show whether DF, RT, GR, etc.): GL = 5233'

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[X]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[X]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]				
(Other)				(Other)			

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

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

* Well was plugged and abandoned on 3/27/92.
Plugging Conditions:
1) Cement ret. Set @ 4,700'; Sqzd perfs. 4,740'-68', 5,042'-68', 5,074'-79' w/62 sx premium neat cmt.; Dump 12 sx cmt on top of ret.
2) Spotted 35 sk neat cmt. Plug from 2,250' to est. T.O.C. 1,934'.
3) Spotted 12 sk neat cmt. Plug from 468'-360'.
4) Spotted 6 sk neat cmt. Plug from 50' to surface.
5) Sqz. 85 sx neat cmt. down 8 5/8" x 5 1/2" annulus to est. btm. @ 468'.

* All plugs approved & witnessed by the BLM.

RECEIVED
APR 27 1992
DIVISION OF
OIL GAS & MINING

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

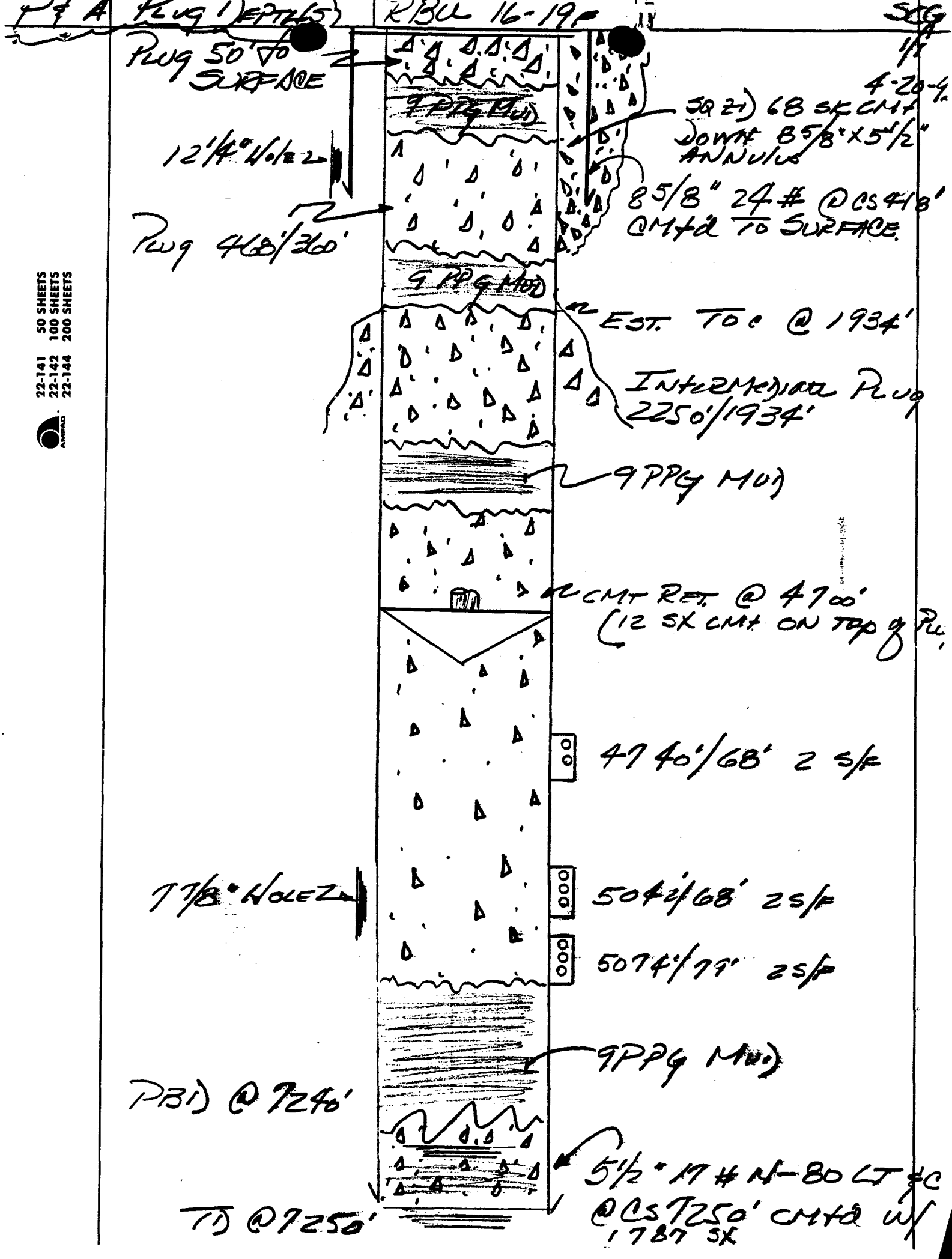
SIGNED Stephen C. Gilbert TITLE Petroleum Engineer DATE 4/20/92

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

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.



P & A Plug Depth(s)
RBU 16-19F
SCG
1/1
4-20-9
Plug 50' to Surface
9 PPG Mud
SQ ZD 68 SK CMT Down 8 5/8" x 5 1/2" Annulus
12 1/4" Hole
8 5/8" 24# @ CS 418' CMT'd to Surface
Plug 468'/360'
9 PPG Mud
Est. TOC @ 1934'
Intermediate Plug 2250'/1934'
9 PPG Mud
CMT Ret. @ 4700' (12 SX CMT on Top of Plug
4740'/68' 2 S/F
7 7/8" Hole
5042'/68' 2 S/F
5074'/79' 2 S/F
9 PPG Mud
PBD @ 7240'
5 1/2" 17# N-80 LT & C @ CS 7250' CMT'd w/ 1787 SX
TD @ 7250'

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

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

October 23, 1992

PG & E Resources Company
5950 Berkshire Lane, Suite 600
Dallas, Texas 75225

Gentlemen:

Re: Well Completion Report - RBU 16-19F Well, Sec. 19, T. 10S, R. 20E, Uintah County, Utah, API No. 43-047-32070

Utah Admin. R649-3-21, the Utah Oil and Gas Conservation General Rules, requires that within 30 days after the completion of any well drilled or redrilled for the production of oil or gas, Well Completion or Recompletion Report and Log, Form 8, and copies of the electric and radioactivity logs, if run, shall be filed with the division.

Our records indicate that the Well Completion Report for the referenced well has not been received. Enclosed is a copy of Form 8 for your use in promptly submitting this report. If you have questions regarding the completion of the form, please feel free to call Debra Eatchel at the above number.

Sincerely,

Don Staley

Don Staley
Admininstrative Manager
Oil and Gas

ldc
Enclosure
cc: CNG Producing Company
R.J. Firth
D.M. Eatchel
Well file
WOI1

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
OIL AND GAS INSPECTION RECORD

OPERATOR: C.N.G. PRODUCING LEASE: U-013769-A

WELL NAME: RBU #16-19F API: 43-047-32070

SEC/TWP/RNG: 19 10.0 S 20.0 E CONTRACTOR:

COUNTY: UINTAH FIELD NAME: NATURAL BUTTES

DRILLING/COMPLETION/WORKOVER:

_ APD	_ WELL SIGN	_ HOUSEKEEPING	_ BOPE
_ SAFETY	_ POLLUTION CNTL	_ SURFACE USE	_ PITS
_ OPERATIONS	_ OTHER		

SHUT-IN _ / TA _:

_ WELL SIGN	_ HOUSEKEEPING	_ EQUIPMENT *	_ SAFETY
_ OTHER			

ABANDONED:

Y MARKER	N HOUSEKEEPING	N REHAB	_ OTHER

PRODUCTION:

_ WELL SIGN	_ HOUSEKEEPING	_ EQUIPMENT *	_ FACILITIES *
_ METERING *	_ POLLUTION CNTL	_ PITS	_ DISPOSAL
_ SECURITY	_ SAFETY	_ OTHER	

GAS DISPOSITION:

_ VENTED/FLARED	_ SOLD	_ LEASE USE

LEGEND: Y = YES/SATISFACTORY N = NO/UNSATISFACTORY A = NOT APPLICABLE

*FACILITIES INSPECTED:
LOCATION, P&A MARKER, RESERVE PIT

REMARKS:
PA - LOCATION NEEDS RECLAIMATION WORK. WILL RECHECK LATE FALL

ACTION:

INSPECTOR: CAROL KUBLY DATE: 05/26/92

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

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

RECEIVED
NOV - 2 1992

October 23, 1992

PG & E Resources Company
5950 Berkshire Lane, Suite 600
Dallas, Texas 75225

Gentlemen:

Re: Well Completion Report - RBU 16-19F Well, Sec. 19, T. 10S, R. 20E, Uintah County, Utah, API No. 43-047-32070

Utah Admin. R649-3-21, the Utah Oil and Gas Conservation General Rules, requires that within 30 days after the completion of any well drilled or redrilled for the production of oil or gas, Well Completion or Recompletion Report and Log, Form 8, and copies of the electric and radioactivity logs, if run, shall be filed with the division.

Our records indicate that the Well Completion Report for the referenced well has not been received. Enclosed is a copy of Form 8 for your use in promptly submitting this report. If you have questions regarding the completion of the form, please feel free to call Debra Eatchel at the above number.

Sincerely,

Don Staley

Don Staley
Admininstrative Manager
Oil and Gas

ldc
Enclosure
cc: CNG Producing Company
R.J. Firth
D.M. Eatchel
Well file
WOI1

an equal opportunity employer

PG&E Resources Company

88 N. Central Expressway, Suite 1000
Dallas, Texas 75206-3922
Telephone 214/750-3800
FAX 214/750-3883

CONFIDENTIAL

November 4, 1992

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

Attn: Don Staley

Re: RBU #16-19F
Sec. 19, T10S-R20E
Uintah County, Utah

Dear Mr. Staley:

Pursuant to your letter of October 23, 1992, please find enclosed a copy of the Sundry Notice filed with the BLM on April 20, 1992 about the plugging of the above referenced well.

If you still need a completion report filed after receiving this document, please let me know and I will be glad to comply.

Thank you.

Yours very truly,

Ava Hurst

Ava Hurst
Regulatory Affairs

/ah

Enclosure

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NOV 0 6 1992
DIVISION OF
OIL GAS & MINING

Form 3160-5
(May 1989)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

OMB NO. 1004-0135
Expires: September 30, 1990

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NO.: U-013769-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Utetribe

1. OIL WELL [ ] GAS WELL [X] OTHER Drilled and Abandoned

7. UNIT AGREEMENT NAME: River Bend Unit

2. NAME OF OPERATOR: PG&E Resources Company

8. FARM OR LEASE NAME: River Bend

3. ADDRESS OF OPERATOR: (214) 750-3800
5950 Berkshire Lane, Suite 600, Dallas, Texas 75225

9. WELL NO.: 16-19F

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface
Sec. 19-T10S-R20E
(SE/4 of the SE/4 of Section 19)

10. FIELD AND POOL, OR WILDCAT: River Bend Unit

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 19-T10S-R20E

14. PERMIT NO.: 43-047-32070

15. ELEVATIONS (Show whether DF, RT, GR, etc.): GL = 5233'

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	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[X]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[X]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other)			
(Other)							

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

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

* Well was plugged and abandoned on 3/27/92.
Plugging Conditions:
1) Cement ret. Set @ 4,700'; Sqzd perfs. 4,740'-68', 5,042'-68', 5,074'-79' w/62 sx premium neat cmt.; Dump 12 sx cmt on top of ret.
2) Spotted 35 sk neat cmt. Plug from 2,250' to est. T.O.C. 1,934'.
3) Spotted 12 sk neat cmt. Plug from 468'-360'.
4) Spotted 6 sk neat cmt. Plug from 50' to surface.
5) Sqz. 85 sx neat cmt. down 8 5/8" x 5 1/2" annulus to est. btm. @ 468'.

* All plugs approved & witnessed by the BLM.

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NOV 0 6 1992
DIVISION OF
OIL GAS & MINING

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

SIGNED Stephen C. Gilbert TITLE Petroleum Engineer DATE 4/20/92
Stephen C. Gilbert

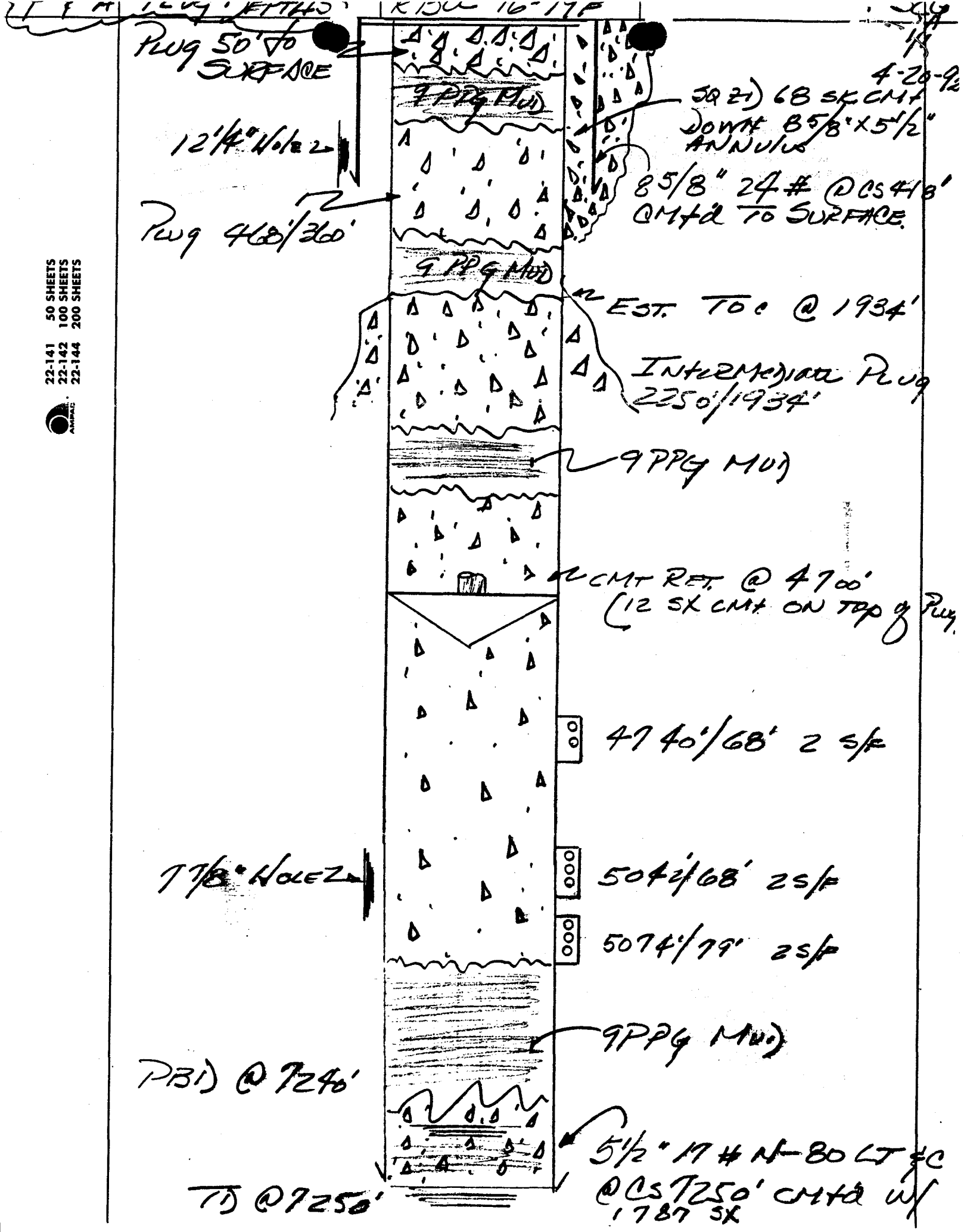
(This space for Federal or State office use)

APPROVED BY TITLE ASSISTANT DISTRICT MANAGER MINERALS DATE JUN 22 1992
CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

*See Instructions on Reverse Side

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.



Plug 50' to SURFACE
9 PPG MUD
12 1/4" Hole 2
Plug 468'/360'
SQ ZD 68 SK CMT DOWN 8 5/8" X 5 1/2" ANNULUS
8 5/8" 24# @ CS 418' CMTd TO SURFACE
9 PPG MUD
EST. TOC @ 1934'
INTERMEDIATE PLUG 2250'/1934'
9 PPG MUD
CMT RET. @ 4700' (12 SX CMT ON TOP of PLUG
4740'/68' 2 S/F
7 7/8" HOLE 2
5042'/68' 2 S/F
5074'/79' 2 S/F
9 PPG MUD
PBD @ 7240'
5 1/2" 17# N-80 LT &C @ CS 7250' CMTd W/ 1787 SX
TD @ 7250'
4-20-92

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

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

Well File

November 16, 1992

Ms. Ava Hurst
PG&E Resources Company
6688 N. Central Expressway, Suite 1000
Dallas, Texas 75206-3922

Dear Ms. Hurst:

Re: Well Completion Report - RBU 16-19F, Sec. 19, T.10S, R.20E, Uintah County, Utah, API No. 43-047-32070

I appreciate your letter of November 4, 1992 and the accompanying plugging sundry. We do, however, still request that a Well Completion or Recompletion Report and Log, Form 8, and copies of all electric and radioactivity logs, if run, be submitted for the referenced well.

Utah Admin. R649-3-21, the Utah Oil and Gas Conservation General Rules states:

> Within 30 days after the completion of any well drilled or redrilled for the production of oil or gas, Form 8, Well Completion or Recompletion Report and Log, shall be filed with the division, together with a copy of the electric and radioactivity logs, if run.

Utah Admin. R649-8-9 states:

> In accordance with R649-3-11, R649-3-21, R649-3-23, and R649-3-24, the operator shall file a Well Completion or Recompletion Report and Log and a copy of the electric and radioactivity logs, if run, within 30 days after completing, recompleting, or ***plugging a well.***

The Well Completion Report form, when properly filled out, provides us with certain historical and geological data that is often not obtained from other report forms. The form requests information regarding such things as well coring, drill stem tests, and directional surveys. It asks for a list of electric and other logs run, and provides a place for showing the casing record. On the back, it provides a place for geologic information.

Even though a well is dry and abandoned, the information provided on the Completion Report and logs can provide geologists with important clues when surveying an area for different types of natural resources.

For these reasons, it continues to be our policy to request a Completion Report and copies of logs for each **newly** drilled well, regardless of its final status. Enclosed is a copy of Form 8 for your use. Thank you for your assistance in this matter. Please feel free to call Debra Eatchel or me if you have further questions or concerns.

Sincerely,

Don Staley

Don T. Staley
Administrative Manager

ldc
Enclosure
cc: R.J. Firth
F.R. Matthews
D.M. Eatchel
Well File
WOI96

PG&E Resources Company

88 N. Central Expressway, Suite 1000
Dallas, Texas 75206-3922
Telephone 214/750-3800
FAX 214/750-3883

RECEIVED
NOV 23 1992
DIVISION OF
OIL GAS & MINING

November 19, 1992

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

Attn: Don Staley
Administrative Manager

Re: RBU #16-19F
Sec. 19, T10S-R20E
Uintah, Utah

Dear Mr. Staley:

Enclosed is Form 8; Well Completion Report for the above referenced well along with a sketch showing the plugs set for plugging and abandoning the well.

If you should need additional information, please contact the undersigned at (214) 750-3958. If you require logs for this well, please contact Darla Peluso with this company at (214) 750-3842.

Thank you for your patience.

Yours very truly,

Ava Hurst

Ava Hurst
Permit Specialist
Regulatory Affairs

/ah

Enclosures

cc: Darla Peluso

FORM 8

CONFIDENTIAL

RECEIVED

NOV 23 1992

DIVISION OF OIL, GAS & MINING

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NO.: U-013769-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Utetribe

7. UNIT AGREEMENT NAME: River Bend Unit

8. FARM OR LEASE NAME: River Bend

9. WELL NO.: #16-19F

10. FIELD AND POOL, OR WILDCAT: River Bend Unit

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 19, T10S-R20E

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other P&A

b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other P&A

2. NAME OF OPERATOR: PG&E Resources Company

3. ADDRESS OF OPERATOR: 6688 N. Central Expressway, Dallas, TX 75206-3922

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface: 882' FEL & 875' FSL
At top prod. interval reported below: Same
At total depth: Same

14. API NO.: 43-047-32070 | DATE ISSUED:

12. COUNTY: Uintah | 13. STATE: Utah

15. DATE SPUDDED: 10/23/91 | 16. DATE T.D. REACHED: 11/13/91 | 17. DATE COMPL. (Ready to prod. or Plug & Abd.): 3-27-92 PA | 18. ELEVATIONS (DF, RKB, RT, GR, ETC.): 5233 | 19. ELEV. CASINGHEAD:

20. TOTAL DEPTH, MD & TVD: 7250' | 21. PLUG BACK T.D., MD & TVD: 7205' | 22. IF MULTIPLE COMPL., HOW MANY: | 23. INTERVALS DRILLED BY: → | ROTARY TOOLS: X | CABLE TOOLS:

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

25. WAS DIRECTIONAL SURVEY MADE: Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN: DSN/GR, DLL, MUD LOG 12-3-91

27. WAS WELL CORED YES ☐ NO ☒ (Submit analysis)
DRILL STEM TEST YES ☐ NO ☒ (See reverse side)

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#	418'	12 1/4"	Cmt to Surface	0
5 1/2"	17# N-80	7250'	7 7/8"	1787 sx 50/50 POZ	0

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)
5074'-79' 2 spf
5042'-68' 2 spf
4740'-68' 2 spf

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4740'-668'	Acidize w/1500 gal 7.25% Acid

33. PRODUCTION

DATE FIRST PRODUCTION: N/A | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump): | WELL STATUS (Producing or shut-in): PA

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO

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

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

TEST WITNESSED BY:

35. LIST OF ATTACHMENTS
Wellbore Sketch showing plugging conditions.

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

SIGNED Ava Hurst Ava Hurst TITLE Permits Specialist DATE 11/19/92

See Spaces for Additional Data on Reverse Side

(3/89)

INSTRUCTIONS

This form should be completed in compliance with the Utah Oil and Gas Conservation General Rules. If not filed prior to this time, all logs, tests, and directional surveys as required by Utah Rules should be attached and submitted with this report.

ITEM 18: Indicate which elevation is used as reference for depth measurements given in other spaces on this form and on any attachments.

ITEMS 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producinginterval, or intervals, top(s), bottom(s) and name(s) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

ITEM 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

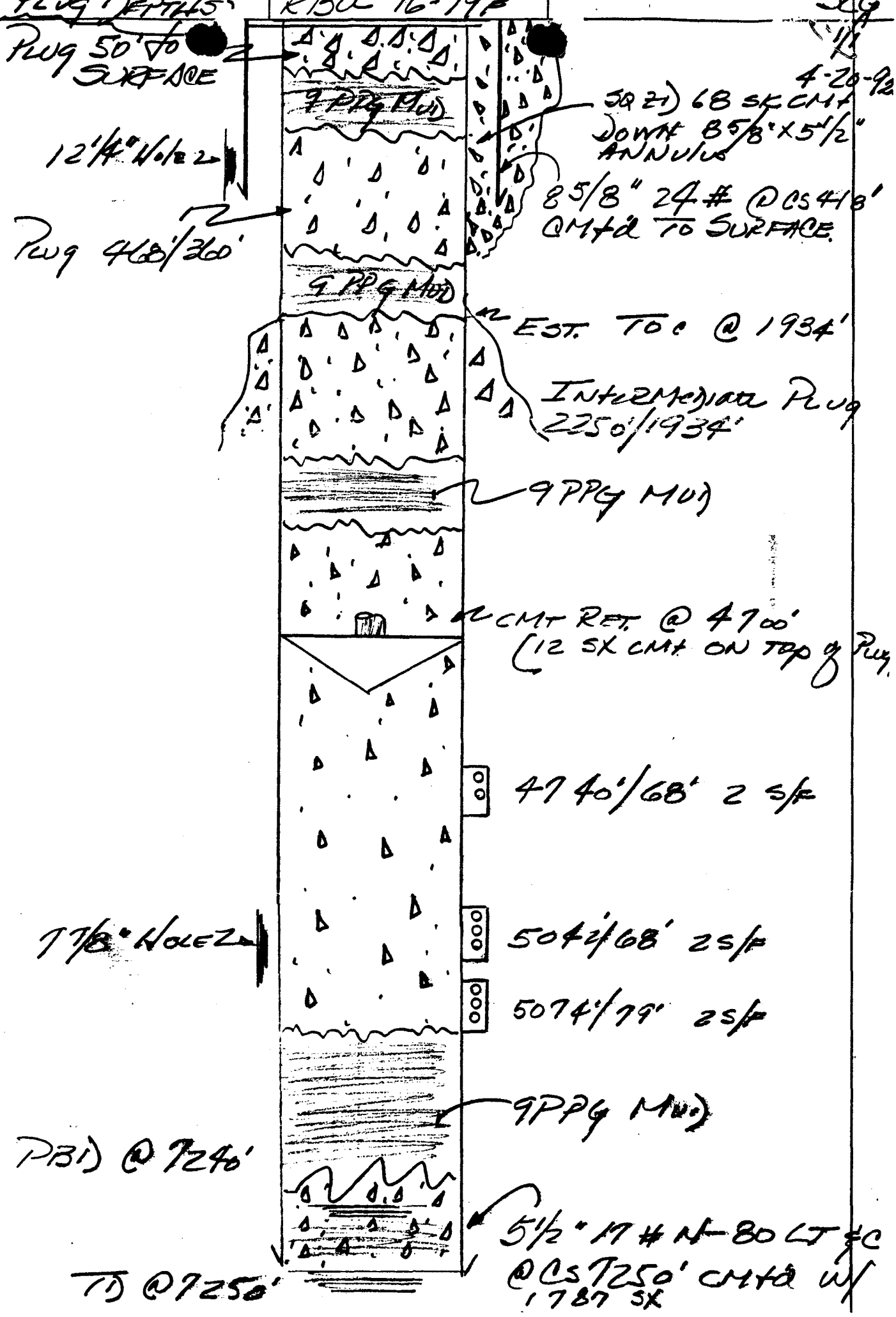
ITEM 33: Submit a separate completion report on this form for each interval to be separately produced (see instruction for items 22 and 24 above).

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, time tool open, flowing and shut-in pressures, and recoveries.

Formation	Top	Bottom	Description, contents, etc.

38. GEOLOGIC MARKERS

Name	Top	
	Meas. Depth	True Vert.Depth


Plug 50' to SURFACE
9 PPG Mud
12 1/4" Hole
Plug 468'/360'
9 PPG Mud
SQ 21) 68 SK CMT DOWN 8 5/8" X 5 1/2" ANNULUS
8 5/8" 24# @ CS 418' CMTd TO SURFACE
EST. TOC @ 1934'
INTERMEDIATE Plug 2250'/1934'
9 PPG Mud
CMT RET. @ 4700' (12 SX CMT ON TOP of Plug
4740'/68' 2 s/f
7 7/8" Hole
5042'/68' 2 s/f
5074'/79' 2 s/f
9 PPG Mud
PBD @ 7240'
5 1/2" 17# N-80 LT&C @ CS 7250' CMTd W/ 1787 SX
TD @ 7250'

RBU 16-19F

Sec 19 10S 20E

Pt A'd 7/14/93

RBU 16-19F

Sec 19 10S 20E

Pt A'd 7/14/93

CNG Producing Company

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

Sec 19, 10 S 20E

A **CNG** COMPANY

November 17, 1993

RECEIVED
NOV 19 1993
DIVISION OF
OIL, GAS & MINING

Mr. Ed Forsman
Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal UT 84078

RE: Application for Disposal Well
RBU 16-19F

Dear Ed:

Please be advised by this letter that CNG Producing Company is filing an application for a saltwater disposal well for RBU 16-19F. The BLM is being notified as surface owner per EPA regulations.

A copy of the application is being enclosed for your review. If you have any questions or need any further information, please feel free to contact me at (504) 593-7260.

Sincerely,

Susan H. Sachitana

Susan H. Sachitana
Regulatory Specialist

Enclosure

cc: Tammy Searing
Utah Board of Oil Gas & Mining

SELF-CERTIFICATION STATEMENT

Self-certification statement. Under the Federal regulation in effect as of June 15, 1988 designation of operator forms are no longer required when the operator is not the 100% record title holder. An operator is now required to submit a self-certification statement to the appropriate Bureau office stating that said operator has the right to operate upon the leasehold premises. Said notification may be in the following format:

"Please be advised that CNG Producing Company is considered to be the operator of Well No. 16-19F SE 1/4 of SE 1/4 Section 19, Township 10, Range 20; Lease U-013769-A Uintah County, Utah; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by American Casualty Company of Reading, PA, Bond #524 7050.

Terry L. Reeves 4/13/94

Terry L. Reeves
Production Manager

CONFIDENTIAL

WORKOVER PROCEDURE
DISPOSAL WELL
RIVERBEND - 1992
UINTAH, UTAH
CNG PRODUCING CO.
DATE: AUG 11, 1993

WELL: 16-19F

LOCATION: SECTION 19-T10S-R20E
ELEVATION: 5300
AFE #: 09273W
AFE AMOUNT: $ 120,000
5 1/2" CASING @ 7250
OLD PERFS: 4740-68
5042-79

PURPOSE: WORKOVER PLUGGED WELL FOR DISPOSAL

BOPSTACK: DUAL 5000' PIPELINE RAM
CNG ENGINEER: SCOT CHILDRESS @ 504-593-7574 FAX - 504-593-7544
CNG FIELD MANAGER: DARWIN KULLAND @ 801-722-4521 FAX - 801-722-5004
CNG WORKOVER FOREMAN: MITCH HALL @ 801-722-4521
ACID/CEMENT VENDOR: DOWELL
WIRELINE: HLS @ 801-789-8950
SCHLUMBERGER @ 801-789-3394
PACKER: OTIS @ 789-5746
RIG: FLINT

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PROCEDURE:
==========

NOTE: need to tie back into 5 1/2" casing before work begins and prepare location.

1. Rig up pulling unit and move in two frac tanks with field formation water.
2. N/D tree and N/U BOPS.
3. Drill up plugs (see attached schematic) at the surface, at 360' and at 2250'. Clean well out to 4500'. Test casing to 2,500 psi.
4. Perforate from 4,138-4,166' with a 4" gun at 6 spf.
5. TIH with coated 2 3/8" tubing and set injection packer @ 4,000'. ND BOPS and NU tree.
6. Acidize well with 3,000 gallons of heated 15% HCL acid. Flow back and then swab test. Catch fluid for water analysis at end of test and send to Dowell.
7. Perform four point injection test @ 1/4, 1/2, 3/4 and 1 BPM.
8. Hook-up surface equipment.

OPERATOR: CNG PRODUCING
1450 POYDRAS
NEW ORLEANS, LOUISIANA 70112
ATTN: SCOT CHILDRESS
PROD ENG.
OFF-504-593-7574
FAX-504-593-7544

WELL: RBU 16-19F - INJECTION CANDIDATE

TYPE: NON-COMMERCIAL GAS WELL - TESTED AND PLUGGED.

DATE DRILLED: 9/18/91 thru 11/14/92

P&A'D: 3-29-92 (SEE ATTACHED WELLBORE SCHEMATIC)

LOCATION: SE SE SECTION 19 T10S R20E
UINTAH COUNTY, UTAH
(SEE ATTACHED LOCATION PLAT)

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DEPTH: 7250'

INJECTION DEPTH: 4138-4166'

PROPOSED WELLBORE CONFIGURATION FOR INJECTION: SEE ATTACHED SCHEMATIC

ANTICIPATED VOLUME OF FLUID INJECTED: 400-500 BWPD

ANTICIPATED AVERAGE INJECTION PRESSURE: 200-300 PSI

NATURE OF ANNULUS FLUID: TREATED KCL WATER FROM WELL IN OURAY, UTAH

SOURCE AND ANAYLSIS OF INJECTION FLUID: FROM THE PRODUCING GAS WELLS WITHIN THE RIVERBEND UNIT (BLM) T10S R20E UINTAH COUNTY, UTAH. SEE ATTACHED CHEMICAL ANAYLSIS ON INJECTION FLUID.

GEOLOGIC INFORMATION

FORMATION = GREEN RIVER FORMATION (WASATCH TONGUE)

THICKNESS = 26'

DEPTH = 4,138-4,166'

LITHOGRAPHIC DESCRIPTION = SANDSTONE, WHITE - GRAY, VERY FINE GRAINED - FINE GRAINED, CALCAREOUS, SUBANGULAR - SUBROUND

ESTIMATED BASE OF POTENTIAL DRINKABLE WATER = 1,590'
UPPER GREEN RIVER FORMATION

CONFIDENTIAL

Revised November 1990

Date NOS Received:_____

CONDITIONS OF APPROVAL
FOR THE SURFACE USE PROGRAM OF THE
APPLICATION FOR PERMIT TO DRILL

Company/Operator: CNG PRODUCING COMPANY

Well Name & Number: RBU 16-19F

Lease Number: U-013769-A

Location: SE/4 of SE/4 Sec. 19 T. 10S R. 20E

Surface Ownership: Bureau of Land Management

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NOTIFICATION REQUIREMENTS

Location Construction - forty-eight (48) hours prior to construction of location and access roads.

Location Completion - prior to moving on the drilling rig.

Spud Notice - at least twenty-four (24) hours prior to spudding the well.

Casing String and Cementing - twenty-four (24) hours prior to running casing and cementing all casing strings.

BOP and Related Tests - twenty-four (24) hours prior to initiating pressure Equipment tests.

First Production Notice - within five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

B. **THIRTEEN POINT SURFACE USE PROGRAM:**

Multipoint Requirement to Accompany APD

1. Existing Roads - describe the following and provide a legible map, labeled and showing:

   a. Proposed wellsite as staked and access route to location, including distances from point where access route exists establish roads. (Actual staking should include tow directional reference stakes.)

   b. Route and distance from nearest town or locatable reference point, such as a highway or county road, to where well access route leaves main road.

   c. Access road(s) to location color-coded or labeled.

   d. Plans for improvement and/or maintenance of existing roads. (Appropriate rights-of-way for off lease roads should be attached.)

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2. Planned Access Roads--describe the following and provide a map of suitable scale indicating all necessary access roads (permanent and temporary) to be constructed or reconstructed, showing:

   a. Length - 1,400'

   b. Width - 30 foot right-of-way with 18 foot running surface maximum.

   c. Maximum grades - 8%
   d. Turnouts - _____

   e. Drainage design - Bar Pits
   f. Location and size of culverts and/or bridges, and brief description of any major cuts and fills - None

   g. Surfacing material (source) - Native

   h. Necessary gates, cattleguards, or fence cuts and/or modification to existing facilities - None

(New or reconstructed roads are to be centerline-flagged at time of location staking.)

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

Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, (1989).

The road shall be constructed/upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Construction/upgrading shall include ditching, draining, graveling, crowning, and capping the roadbed as necessary to provide a well constructed safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot right-of-way will not be allowed. Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.

____ Right-of-Way Application needed.

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Not needed

____ The operator/lessee or his/her successor shall be responsible for all maintenance on cattleguards or gates associated with this oil and/or gas operation.

3. Location of Existing Wells - describe the following and provide a map or plat of all wells within a 1 mile radius of the proposed well location showing and identifying existing:

   a. Water wells
   b. Abandoned wells
   c. Temporarily abandoned wells
   d. Disposal wells
   e. Drilling wells
   f. Producing wells
   g. Shut-in wells
   h. Injection wells

4. Location of Existing and/or Proposed Facilities

   a. On well pad: Show the following existing area facilities and dimensions to be utilized if the well is successfully completed for production (detail painting plans and color if applicable):

      (1) Tank batteries
      (2) Production facilities
      (3) Oil gathering lines
      (4) Gas gathering lines
      (5) Injection lines
      (6) Disposal lines
      (7) Surface pits (separate application per NTL-2B requirements)

      (Indicate if any of the above lines are buried.)

b. Off well pad: Same as above. Off lease flowlines may require rights-of-way or special use permits, check with the District Office Realty Specialist. (Include a diagram of the proposed attendant lines, i.e., flowlines, powerlines, etc., if off well pad location.)

(1) Proposed location and attendant lines shall be flagged off of well pad prior to archaeological clearance.

(2) Dimensions of facilities

(3) Construction methods and materials

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(4) Protective measures and devices to protect livestock and wildlife

Note: Operator has option of submitting information under 4A and B, after well is completed for production, by applying for approval of subsequent operations.

If storage facilities/tank batteries are constructed on this lease, the facility/battery or the well pad shall be surrounded by a containment dike of sufficient capacity to contain, at a minimum, the entire content of the largest tank within the facility/battery, unless more stringent protective requirements are deemed necessary by the authorized officer.

Tank batteries will be placed on the Southeast corner

All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted a flat, non-reflective, earthtone color to match on of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within 6 months of installation. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

The required paint color is Desert Tan.

If at any time the facilities located on public land and authorized by the terms of the lease are no longer included in the lease (due to a contraction in the unit or other lease or unit boundary change), BLM will process a change in authorization to the appropriate statute. The authorization will be subject to appropriate rental or other financial obligation as determined by the authorized officer.

5. Location and Type of Water Supply

a. Show location and type of water supply, either by 1/4, 1/4 section on a map or by written description OSC #1

b. State method of transporting water, and show any roads or pipelines needed.

c. If water well is to be drilled on lease, so state. _____

*The operator will be responsible for acquiring the necessary permit to obtain water to be used for drilling activities.

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6. Source of Construction Materials

a. Show information either on map or by written description - _____.

b. Identify if from Federal or Indian (tribal or allotted) land.

c. Describe where materials such as sand, gravel, stone, and soil material are to be obtained and used.

*If fill materials are needed to construct roads or well sites, proper permits must be obtained from the Surface Management Agency, unless materials are obtained from a private source.

*A mineral materials application (is/is not) required.

7. Methods of Handling Waste Disposal

a. Describe methods and location of proposed safe containment and disposal of each type of waste material, including:

(1) Cuttings - bury in pit
(2) Sewage - haul to sewer lagoon
(3) Garbage (trash) and other waste material - haul to disposal
(4) Salts - not used
(5) Chemicals - non-toxic only; evaporate in pits

b. Provide a plan for eventual disposal of drilling fluids and any produced oil or water recovered during testing operations. _____

*Burning will not be allowed. All trash must be contained in a trash cage and hauled away to an approved disposal site at the completion of the drilling activities.

On BLM administered lands:

The reserve pit shall be constructed so as not to leak, break, or allow discharge.

The reserve pit (**shall**/shall not) be lined.

"If a plastic nylon reinforced liner is used, it will be a minimum of 10 mil thickness with sufficient bedding (either straw or dirt) to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. More stringent protective requirements may be deemed necessary by the A.O."

After first production, produced waste water will be confined to a lined pit or storage tank for a period not to exceed ninety (90) days. During the 90 day period, in accordance with NTL-2B, an application for approval of a permanent disposal method and location, along with required water analysis, shall be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.

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On BIA administered lands:

All reserve pits will be lined with either native clay, commercial bentonite or plastic sufficient to prevent seepage. (If a plastic nylon reinforced liner is used, it shall be torn and perforated after the pit dries and before backfilling of the reserve pit.)

___ To protect the environment.
If the reserve pit is lined the operator will provide the BLM a chemical analysis of the fluids in that pit no later than 90 days after the well completion to determine the method for final reclamation of the reserve pit. If the elemental concentrations shown by the chemical analysis exceeds the requirements described by Part II, Standards of Quality for Waters of the State, Wastewater Disposal Regulations, State of Utah Division of Health, the contents and liner will be removed and disposed of at an authorized disposal site.

_X_ To protect the environment (without a chemical analysis).

Reserve pits will be constructed so as not to leak, break, or allow discharge of liquids.

___ Storage tanks will be used if drill sites are located on tribal irrigable land, flood plains, or on lands under crop production.

After first production, produced waste water will be confined to a lined pit or storage tank for a period not to exceed ninety (90) days. During the 90 day period, in accordance with NTL-2B, an application for approval of a permanent disposal method and location, along with required water analysis, shall be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.

8. Ancillary Facilities

Camp facilities or airstrips will not be allowed unless otherwise approved.

9. Well Site Layout--provide a plat (not less than 1" = 50') showing:

a. Cross-sections of proposed drill pad with approximate cuts and fills and the relation to topography.

b. Location of mud tanks, reserve, and flare pits, pipe racks, living facilities, and soil material stockpiles, etc. (Approval as used in this section means field approval of location.)

c. Rig orientation, parking ares, and access roads, etc CONFIDENTIAL

The reserve pit will be located on the : Southwest corner

The flare pit will be located downwind of the prevailing wind direction on the Southwest side a minimum of 100 feet from the well head and 30 feet from the reserve pit fence.

The stockpiled topsoil (first four inches) will be stored on the: Northwest corner

Access to the well pad will be from the: Northeast

___ Diversion ditch(es) shall be constructed on the _____ side of the location (above / below) the cut slope, draining to the _____.

___ Soil compacted earthen berm(s) shall be placed on the _____ side(s) of the location between the _____.

___ The drainage(s) shall be diverted around the _____ side(s) of the well pad location.

___ The reserve pit and/or pad location shall be constructed long and narrow for topographic reasons _____.

___ The _____ corner of the well pad will be rounded off to avoid the _____.

Fencing Requirements

All pits will be fenced according to the following minimum standards:

a. 39-inch net wire shall be used with at least one stand of barbed wire on top of the net wire (barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence).

b. The net wire shall be no more than 2-inches above the ground. The barbed wire shall be 3-inches above the net wire. Total height of the fence shall be at least 42-inches.

c. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times when pit is shrunk for production pit.

d. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16 feet.

e. All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three sides during drilling operations and on the fourth side when the rig moves off the location. Pits will be fenced and maintained until clean-up.

Each existing fence to be crossed by the access road shall be braced and tied off before cutting so as to prevent slacking of the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BLM or SMA specifications. A cattleguard with an adjacent 16 foot gate shall be installed in any fence where a road is to be regularly travelled. If the well is a producer, the cattleguard (shall/shall not) be permanently mounted on concrete bases. Prior to a new road, crossing any fence located on federal land, or any fence between federal land and private land, the operator will contact the BLM, who will in turn contact the grazing permittee or owner of said fence and offer him/her the opportunity to be present when the fence is cut in order to satisfy himself/herself that the fence is adequately braced and tied off.

10. Plans for Restoration of Surface

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a. Producing Location

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.

Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with 43 CFR 3162.7-1.

If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 6 months from the date of well completion. Before any dirt work takes place, the reserve pit must be completely dry and all cans, barrels, pipe, etc., will be removed.

Contact appropriate surface management agency for required seed mixture.

b. Dry Hole/Abandoned Location

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and BLM will attach the appropriate surface rehabilitation conditions of approval.

On BIA administered lands:

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

11. Surface Ownership:

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Access Road: Bureau of Land Management
Location: _____
"If the access road and/or location involves private or state agency owned surface, a copy of the surface owners agreement is required prior to approval of the APD."

12. Other Additional Information

a. The Operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized officer (AO). Within five working days the AO will inform the operator as to :

-whether the materials appear eligible for the National Register of Historic Places;

-the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and

-a time frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible to mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.

b. The operator will control noxious weeds along right-of-way for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds may be obtained from the BLM, or the appropriate County Extension Office. On BLM administered land it is required that a Pesticide Use Proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.

c. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on Federal Lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities. (The BLM does not seek to compete with private industry. There are commercial facilities available for stacking and storing drilling rigs.)

d. No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold panning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

<u>On BIA administered land</u>:

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 salable timber (including firewood) without a duly granted wood permit from the BIA Forester.

If the surface rights are owned by the Ute Indian Tribe and mineral rights ar owned by another entity, an 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.

All roads constructed by operators on the Uintah and Ouray Indian Reservation will have appropriate signs. Signs will be neat and of sound construction. They will state: (a) that the land is owned by the Ute Indian Tribe, (b) the name of the operator, (c) that firearms are prohibited to all non-Ute Tribal members, (d) that permits must be obtained from the BIA before cutting firewood or other timber products and (e) only authorized personnel permitted.

All well site locations on the Uinta and Ouray Indian Reservation will have an appropriate sign indicating the name of the operator, the lease serial number, the well name and number, the survey description of the well (either footages or the quarter-quarter section, the section, township, and range).

Additional Surface Stipulations

___ No construction or drilling activities shall be conducted between ___ _____ and _____ because of _____
_____
_____
_____
_____

___ No surface occupancy will be allowed within 1,000 feet of any sage grouse strutting ground.

___ No construction or exploration activities are permitted within 1.5 mile radius of sage grouse strutting grounds from April 1 to June 30.

___ There shall be no surface disturbance within 600 feet of live water (includes stock tanks, springs, and guzzlers).

___ No cottonwood trees will be removed or damaged.

___ A silt catchment dam and basin will be constructed according to BLM specifications approximately _____ ft. _____ of the location, where flagged.

___ _____ CONFIDENTIAL
_____
_____
_____
_____
_____
_____

13. Lessee's or Operators Representative and Certification

Representative

Name: _____

Address: _____

Phone No: _____

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. 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 complete copy of the approved APD and ROW grant, if applicable, shall be on location during construction of the location and drilling activities.

The operator or his/her contractor shall contact the BLM Office at (801) 789-1362 forty-eight (48) hours prior to construction activities.

The BLM Office shall be notified upon site completion prior to moving on the drilling rig.

Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and, that the work associated with the operations proposed here will be performed by CNG Producing Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

April 13, 1994	Scot Childress	Scot Childress Supervisor, Prod. Eng.
Date		Name and Title

Onsite Date: August 8, 1991

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Participants on Joint Inspection

Greg Darlington	National Res. Prot. Spec.
Darwin Kulland	Manager Production

CNG Producing Company

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

Sec 19, 10 S 20E

A CNG COMPANY

November 17, 1993

RECEIVED
NOV 19 1993
DIVISION OF
OIL, GAS & MINING

Mr. Ed Forsman
Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal UT 84078

RE: Application for Disposal Well
RBU 16-19F

Dear Ed:

Please be advised by this letter that CNG Producing Company is filing an application for a saltwater disposal well for RBU 16-19F. The BLM is being notified as surface owner per EPA regulations.

A copy of the application is being enclosed for your review. If you have any questions or need any further information, please feel free to contact me at (504) 593-7260.

Sincerely,

Susan H. Sachitana

Susan H. Sachitana
Regulatory Specialist

Enclosure

cc: Tammy Searing
Utah Board of Oil Gas & Mining

INJECTION WELL APPLICATION

REVIEW SUMMARY

Applicant: CNG Producing Well: RBU 16-19F

Location: section 19 township 10 S range 20 E

API #: 43-047-32070 Well Type: disp. X enhanced recov. ___

If enhanced recovery has project been approved by the Board ? N/A

Lease Type: Federal Surface Ownership: BLM

Field: River Bend Unit: River Bend Indian Country: Yes

UIC Form 1: ~~No~~ Yes Plat: Yes Wells in AOR: 2 P

Logs Available: Yes Bond Log: Yes Check on Integrity

Casing Program: 8 5/8 @ 418, 5 1/2 @ 7200'

Integrity Test: To Be run at conversion.

Injection Fluid: H_2O

Geologic Information: 4138-66 Green River Injection zone.

Analyses of Injection Fluid: ~~N~~ Yes. Formation Fluid: N (calculated from Logs.) Compat. ___

Fracture Gradient Information: .73 psig/ft (from Frac Data.) Parting Pressure ___

Affidavit of Notice to Owners: ~~N~~ Yes.

Fresh Water Aquifers in Area: 28,000 TDS at 3400 (prob. to approx. 300') at 4000 TDS at 3200

Depth Base of Moderately Saline Water: ___

Confining Interval: Green River Shales & Limestones

Reviewer: D. James Date: 12/16/93

Comments & Recommendation MAX press. 600 Avg. press. 100-600 MAX rate 400 BB/D

Form Approved. OMB No. 2040-0042. Expires 3-

Form 4 UIC

EPA

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
UNDERGROUND INJECTION CONTROL PERMIT APPLICATION
(Collected under the authority of the Safe Drinking Water Act, Sections 1421, 1422, 40 CFR 144)

I. EPA ID NUMBER | U | T/A

READ ATTACHED INSTRUCTIONS BEFORE STARTING
FOR OFFICIAL USE ONLY

Application approved mo day year	Date Received mo day year	Permit/Well Number	Comments

II. FACILITY NAME AND ADDRESS

Facility Name: RBU 16-19F SE SE of Sec. 19-T10S-R20E

Street Address: 875' FSL & 882' FWL of Sec. 19-T10S-R20E

City: Uintah County | State: UT | ZIP Code:

III. OWNER/OPERATOR AND ADDRESS

Owner/Operator Name: CNG Producing Company

Street Address: CNG Tower - 1450 Poydras Street

City: New Orleans | State: LA | ZIP Code: 70112-60(

IV. OWNERSHIP STATUS *(Mark 'x')*

☐ A. Federal ☐ B. State ☒ C. Private
☐ D. Public ☐ E. Other *(Explain)*

V. SIC CODES

VI. WELL STATUS *(Mark 'x')*

☐ A. Operating — Date Started mo day year
☒ B. Modification/Conversion ☐ C Proposed

VII. TYPE OF PERMIT REQUESTED *(Mark 'x' and specify if required)*

☒ A. Individual ☐ B. Area

Number of Existing wells	Number of Proposed wells	Name(s) of field(s) or project(s)
	1	River Bend Unit

VIII. CLASS AND TYPE OF WELL *(see reverse)*

A. Class(es) *(enter code(s))*	B. Type(s) *(enter code(s))*	C. If class is "other" or type is code 'x,' explain	D. Number of wells per type (if area permit)
II	D		1

IX. LOCATION OF WELL(S) OR APPROXIMATE CENTER OF FIELD OR PROJECT

C	A. Latitude Deg	Min	Sec	B. Longitude Deg	Min	Sec	Township and Range Twsp	Range	Sec	¼ Sec	Feet from	Line	Feet from	Line
I							10S	10E	19		822	E	875	S

X. INDIAN LANDS *(Mark 'x')*

☒ Yes ☐ No
Within the extended boun

XI. ATTACHMENTS

(Complete the following questions on a separate sheet(s) and number accordingly; see instructions)

FOR CLASSES I, II, III (and other classes) complete and submit on separate sheet(s) Attachments A — U (pp 2-6) as appropriate. Attach maps where required. List attachments by letter which are applicable and are included with your application:

XII. CERTIFICATION

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

A. Name and Title *(Type or Print)*: W. Scot Childress, Supervisor Production Engineering

B. Phone No. *(Area Code and No*: (504) 593-7574

C. Signature: Scot Childress

D. Date Signed: October 6, 1993

ATTACHMENT A

1. The area of review that is being used is the standard 1/4 mile radius from the wellbore.

2. Surface Owner

   Bureau of Land Management
   Vernal District Office
   170 South 500 East
   Vernal, UT 84078

   The only operator within the River Bend Unit is CNG Producing Company.

3. Correspondence is attached.

CNG Producing Company

A **CNG** COMPANY

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

November 17, 1993

Mr. Ed Forsman
Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal UT 84078

RE: Application for Disposal Well
RBU 16-19F

Dear Ed:

Please be advised by this letter that CNG Producing Company is filing an application for a saltwater disposal well for RBU 16-19F. The BLM is being notified as surface owner per EPA regulations.

A copy of the application is being enclosed for your review. If you have any questions or need any further information, please feel free to contact me at (504) 593-7260.

Sincerely,

Susan H. Sachitana

Susan H. Sachitana
Regulatory Specialist

Enclosure

cc: Tammy Searing
Utah Board of Oil Gas & Mining

ATTACHMENT B

Topographic map is attached depicting the following:

1. Water wells - None

2. Oil and gas wells - Within 1/4 mile radius: None
   Within 1 mile radius: RBU 13-19F
   RBU 5-19F
   RBU 3-19FX
   RBU 15-18F
   RBU 1-19F
   RBU 13-17F
   RBU 3-20F
   RBU 6-20F
   RBU 15-20F
   RBU 12-20F

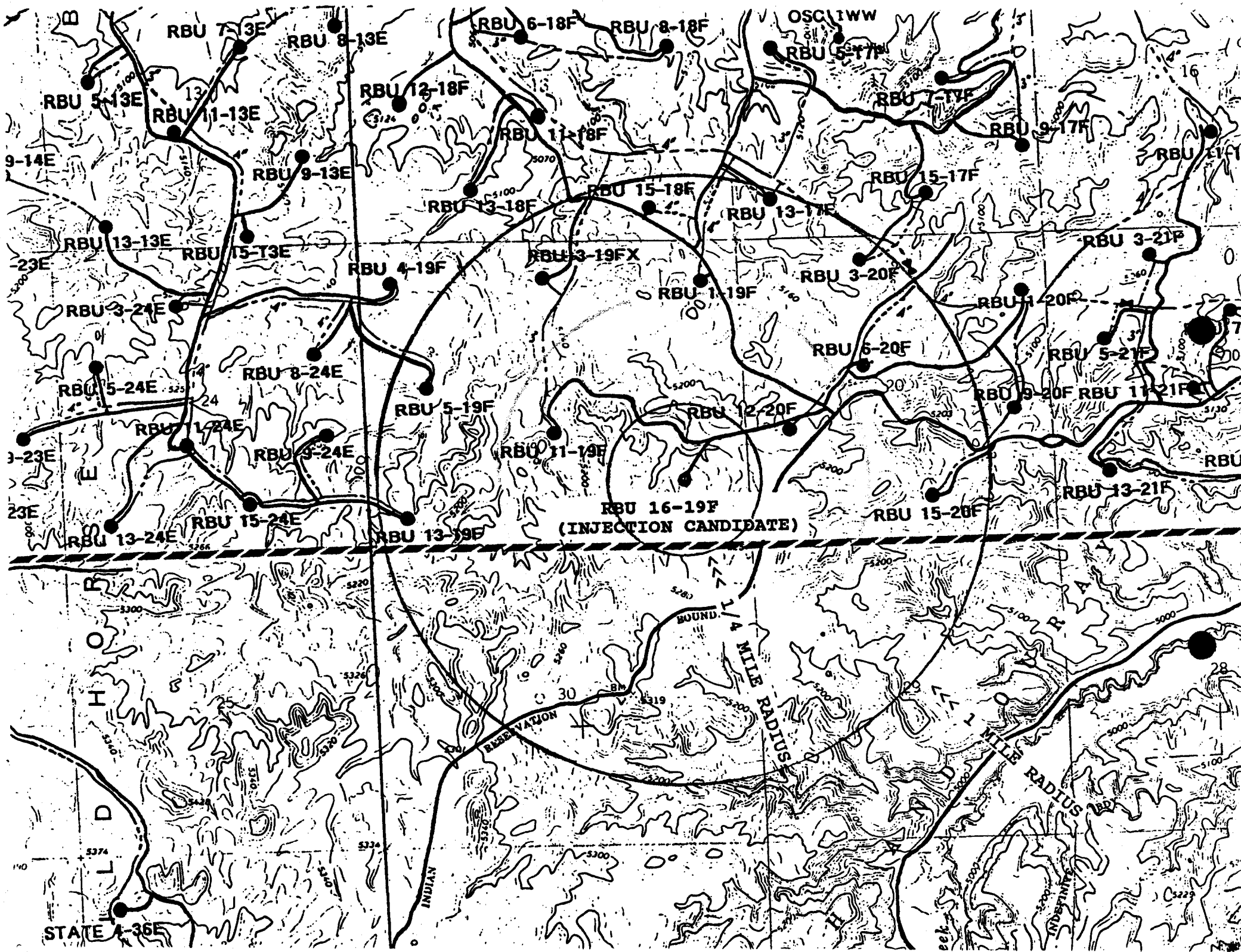
3. Plugged Wells - Within 1/4 mile radius: None
   With 1 mile radius: RBU 3-19F

4. All class of injection /disposal wells: None

5. All intake and discharge structures: None

6. All hazardous waste treatment, storage or disposal facilities: None

7. All system monitoring points: None


RBU 7-13E
RBU 8-13E
RBU 6-18F
RBU 8-18F
OSC 1WW
RBU 5-17F
RBU 5-13E
RBU 11-13E
RBU 12-18F
RBU 7-17F
RBU 9-17F
RBU 11-18F
9-14E
RBU 9-13E
RBU 15-17F
RBU 13-18F
RBU 15-18F
RBU 13-17F
RBU 13-13E
RBU 15-13E
RBU 3-21F
-23E
RBU 4-19F
RBU 3-19FX
RBU 3-20F
RBU 1-19F
RBU 3-24E
RBU 11-20F
RBU 6-20F
RBU 5-21F
RBU 8-24E
RBU 5-24E
RBU 5-19F
RBU 9-20F
RBU 11-21F
RBU 12-20F
RBU 1-24E
RBU 9-24E
RBU 11-19F
RBU 13-21F
RBU 16-19F
(INJECTION CANDIDATE)
RBU 15-20F
RBU 15-24E
RBU 13-24E
RBU 13-19F
1/4 MILE RADIUS
1 MILE RADIUS
BOUND.
RESERVATION
INDIAN
STATE 1-36E

ATTACHMENT C

There are no wells except the injection candidate in the area of review (1/4 mile radius).

1. Location of well: RBU 16-19F (See attached plat)

2. Drilled hole and diameter: Drilled 1/2 1/4" hole to 418'.
Drilled 7 7/8" hole to 7,250'.

3. Casing: Ran 8 5/8" casing to 418' and ran 5 1/2" casing to 7,250'.
Tubing: No tubing run.
Packer: No packer set. Cement retainer at 4,700'.

4. Cement: Pumped cement to surface to set 8 5/8" casing. Pumped 1,787 sks of Class "G" cement to set 5 1/2" casing.

5. Plugs: Pumped 12 sks on top of retainer with 62 sks below retainer. Retainer set at 4,700'. 2nd cement plug 1,934-2,250' - 35 sks cement. 12 sks cement pumped from 360-468' inside of 5 1/2" casing. 85 sks cement pumped from 0-468' inside 5 1/2" & 8 5/8" casing. Surface plug from 0-50' - 6 sks.

6. Wellbore equipment: No equipment in well except cement plugs.

7. Cement squeezes: Pumped 12 sks on top of retainer with 62 sks below retainer. Retainer set at 4,700'. 2nd cement plug 1,934-2,250' - 35 sks cement. 12 sks cement pumped from 360-468' inside of 5 1/2" casing. 85 sks cement pumped from 0-468' inside 5 1/2" & 8 5/8" casing. Surface plug from 0-50' - 6 sks.

8. Perforations: 4,740-68' (56 holes)
5,074-79' & 5,042-68' (62 holes)

9. Total depth: 7,250'

10. Plugged back total depth: 7,205'

11. Underground Sources of Drinking Water: There are no wells in the area of review being used for Underground Sources of Drinking Water.

12. Confining Zones: See E log and CBL log for details

13. Injection Zones: 4,138-66' with 4 SPF (Green River Formation)

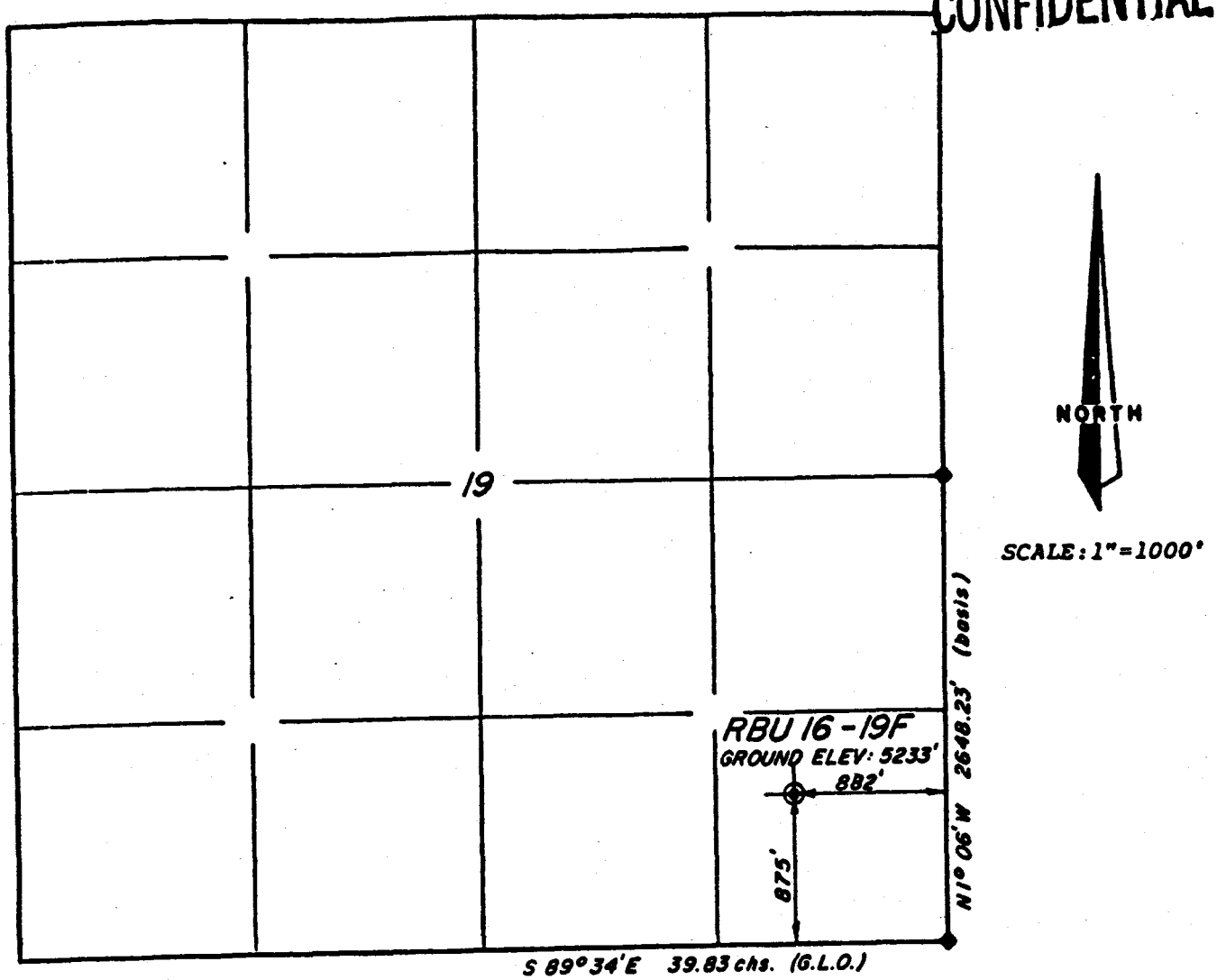
14. Ground level elevations: 5,233' GR & 5,248' KB

Verification includes: Survey plat
Daily drilling and completion reports
Cement Bond Log
Dual Laterolog
Compensated Density Dual Spaced Neutron Log
Completion Report showing P&A records

CNG PRODUCING CO.
WELL LOCATION PLAT
RBU 16-19F

LOCATED IN THE SE¼ OF THE SE¼ OF SECTION 19, T10S, R20E, S.L.B.&M.

CONFIDENTIAL



LEGEND & NOTES

◆ Monuments found and used by this survey.

The General Land Office plat (G.L.O.) plat was used for reference and calculations as well as the U.S.G.S. quadrangle map.

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 & ASSOCIAT
Surveying & Engineering Consultants
121 North Center Street
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6 Aug '91

79-128-183

PG&E Resources Offshore Company

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Dallas, Texas 75225
Telephone 214/750-3800
FAX 214/750-3883

1200 Travis Street
Suite 1960
Houston, Texas 77002
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River Bend Unit #16-19E
Natural Buttes Field
Unitah, Utah

03-27-92 No report.

03-28-92 Plugging procedure verbal approval 03/26/92 from Ed Forsman, Staff Engr BLM. RIH w/5.5" Baker model K-1 cmt ret on 2.375' tbg. Set ret @ 4700'. Howco est inj rate thru ret into Zones 5,4, & 3 @ 4BPM/4000# Howco sqz w/62 sx Prm plus neat cmt. Disp 50 sx below ret. FP 1950# sting out of ret & dump 12 sx cmt on top. Est TOC @ 4592'. Raised tbg to 2250'. Howco spot 35 sx Prm plus neat cmt from 2250' to est TOC 1934' raise tbg to 468'. Howco spot 12 sx Prm plus neat cmt from 468' to est TOC @ 360', raise tbg to 50'. Howco spot 6 sx Prm plus neat cmt from 50' to surface. POH w/tbg & setting tool. Howco est inj rate dn 8.625 X 5.5" ann. @ 3 BPM/100#. Howco sqz w/85 sx Prm plus neat cmt. Est btm of cmt 468+', FP 100#. All plugs witnessed by BLM. ND BOP's SDFN. DC $10,123, CC $211,374.50.

03-29-92 Dig out cellar, cut off, wellheads, Weld on 1/4" steel plate on 8.625' surface csg. Install dry hole maker. RD Western workover rig. Rel rig @ 12:00 noon. DC $1202, CC $212,576. **FINAL REPORT.**

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River Bend Unit #16-19E
Natural Buttes Field
Unitah, Utah

03-24-92 Finish in hole w/ 5.5" Baker Retrievamatic pkr. and SN on 2.375" tbg. Set pkr @ 4800'. Howco test tools to 3500#. Release press, release pkr and raise to 4768'. Howco displace hole w/ treated 3% KCl wtr, and spot 2 BBLS 7.25% FE acid from 4768'-4684'. Raise pkr to 4646'. rev 5 BBLS around pkr and set pkr at 4646'. Trap 1000# on 5.5" X 2.375" annulus. Howco acidize wasatch zone 5, from 4740'-668' w/ 1500 gal 7.25% FE acid in one stage w/ 85, 7/8", 1.3 sp grv, RCNBS spaced evenly in acid. Flushed to btm perf w/ treated 3% KCl wtr. BP 2000#, max 5500#, min 3400#, avg 3800#, final 5200#, ISIP 2000, 5 min 1880#, 10 min 1850#, 15 min 1830#, AIR 5 BPM, job complete @ 10:00, -78 BLAW. Good ball action 3400-5500# w/ no ball out. Frac gradient .86. Surge balls off and open well. Flowed 1 hr ending @ 11:00. Recovered no oil, 28 BBLS LAW, TP 1830#-0# on a 20/64-3/4" chk. Swabed 6 hrs ending @ 17:00. Fluid level, surf-4500'. Recovered no oil, 42 BBLS LAW. Faint trace of gas @ end of swab period. -8 BBLS LAW. SWI & SDFN. DC $6351, CC $197,034.

03-25-92 Well shut in 14 hrs. TP 0-115#. Blew down tbg press in 5 min. Recovered no fluid. Gas would burn. Swabed 12 hrs. Fluid level 1800'-4500'. Recovered no oil, 8 BBLS LAW, 12 BBLS formation wtr. Last hr recovered 1 BBL fluid. Slight trace of gas.
DC $2034, CC $199,068.

03-26-92 Well shut in 14 hrs. TP 0-128#. Open well, press bled off immediately. Swabed 1 hr, fluid level 2700'-4300'. Recovered no oil, 6 BBLS form wtr, trace of gas (sent sample of water to Howco for tstng). Release 5.5" Baker retrievamatic pkr @ 4646' and POH. RIH w/ Baker ret HD on 2.375" tbg, tag and rev circ sand from 4888'-4900'. Circ clean, latch and release RBP @ 4900'. POH w/ RPB and tbg. SWI and SDFN. DC $2183., CC $201,251.

Post-it™ brand fax transmittal memo 7671 | # of pages ▸ 1

To Barbara Ford	From Carey Sparks
Co. CNG	Co. PG&E
Dept.	Phone # 214.750-3959
Fax # 504-593-7544	Fax # 750-3845

Dallas, Texas 75225
Telephone 214/750-3800
K 214/750-3883

River Bend Unit #16-19E
Natural Buttes Field
Unitah, Utah

03-23-92 WSI 38 hrs, TP (from gauge) 35-1310#, CP 213-1338#. Otis Eng dead wt. TP 1318#. Otis ran dip in BHP to 4980'. Press at 4980' was 1514.26#, left at 4980' for 1/2 hr, 0.030 gas gradient, calculated to 5060, BHP 1524.77 (note this BHP is stillbuilding but is 541.72# less than BHP taken 03-16-92 before frac job after a 38.5 hr build up). Dead wt press @ 08:45, 1334#. RD Otis. Open well & flowed 2 hrs ending at 11:00, on a 20/64-3/4" chk. TP 1334-0#, CP 1338-157#. Recovered no oil, 3.5 BBLS LAW. Bleed off csg press. Killed gas blow with 15 BBL 3% treated KCL wtr. POH with 2.375" tbg and SN. HLS ran and set 5.5" Baker WL set, tbg ret BP @ 4900'. Dumped 2 sx sand on RBP w/ dump bailer (2 sx-14' fill). Top of sand @ 4886'. HLS perf Wasatch zone 5, from 4740'-68', 2JSPF, total 56 holes, w/. a 3-7/8 OD Exp CG using 23 gram chgs, 43" WHD at 180° phasing, by HSL DSN/SCL. RIH w/ 5.5" Baker retrievamatic pkr, and SN on 2.375" N-80 EUE 8rd, tbg to 2024'. SWI and SDFN. DC $8209, CC $190,683.

Company

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River Bend Unit #16-19E
Natural Buttes Field
Unitah, Utah

03-20-92 No report.

03-21-92 Well shut in 14.5 hrs. Csg press 73-544#. Open well and flow 1/2 hr. Csg press 544-20# on a 20/64-3/4" chk; no fluid recovery. Good gas blow. Killed well with 10 bbls 3% KCl water; RIH w/ seating nipple on 2.375" tbg to 5200', did not tag any fill; raise tbg to 4987'; swabed 7 hrs, rcv'd no oil, 46 bbls LAW, good gas blow after each run. Fluid leved started @ 1900', ended at 3500' and was scattered. SWI and SDFN. -221 BLAW. DC $2246, CC $180,360.

3-22-92 Well shut in 14 hrs. TP 0 - 590#, CP 140-611#. Open well on 3/4" chk, press on tbg bleed from 590-0# in 5 min. CP 611-596#. Made one swab run, found fluid level at 1300' from surf. Well kicked off and flowed 1.5 hrs. TP 20-255-0#, CP 596-225# on a 3/4" chk. Rcv'd no oil, 7 bbls LAW. Swabed 5 hrs ending @ 14:00, fluid level 3100-3700' and scattered, rcv'd no oil, 11 bbls LAW, no fluid rcv'd last hour of swab period. CP 225-118#, had good gas blow on tbg. Reduce chk to 12/64", flowed gas 3 hrs, TP 0-35#, CP 118-213#. Rcv'd no fluid. Gas rate at end of flow period 40 MCF/D. -203 BLAW. DC $2114, CC $182,474.

Post-it™ brand fax transmittal memo 7671	# of pages ▸ 3
To Barbara Ford	From Carey Sparks
Co. CNG	Co. PG+E
Dept.	Phone # 214.750-3959
Fax # 504-593-7544	Fax # 750-3845

03-16-92 38.25 hrs. SI DWTP = 1805 psi; RU Otis WL, Ran DIP - In BHP; SIBHP @ 5060' = 2064.44 psig (gas gradient all the way to BTM); POH w/ Bomb and RD Otis; open well to flow; flow 1.5 hrs 10/64" choke. Dry gas FTP 1805 psig - 0 no rate measured; opened pkr by-pass and let annular fluid kill well; risd pkr and lowered past perfs POH w/ pkr and tbg; SI well; prep surface equipment for frac job. DC $3284, CC $117,669.

03-17-92 15 hr SICP = 420 psig; NU Howco Tree Saver on top of BOP stack; NU flowback manifold w/ chokes and blooey line; Howco bringing in sand and water - prep to frac tomorrow; -98 BLAW to recover. DC 1539, CC $119,208.

03-18-92 RU Howco; tst surf lines to 7500#; Howco frac perfs 5042/79 w/ 18000g gelled KCl water foamed to 70Q w/ 1.04 MMSCF N_2 & 180.0 MLBS 20/40 SD. Down 5-1/2" csg; flushed to top perf w/ foam; BDP - 1900# , MP = 3030#, Min P = 3180#, AP = 3450#, FP = 4040#, ISIP = 3850#, Air = 26 BDM - 527 BLAW; open well to flow immediately for force closure; F 10/64" chk for 1 hour, rcv'd 5 BLW + N_2; SI well for 1 hr and RD tree saver; open well back up, F 10/64" chk 17.5 hrs, rcv'd 200 BLW and N_2 and est. 300 gals SD. FTP = 3250#/920#; - 322 BLW. DC $55,778, CC $174,986.

03-19-92 Flow well 3 hrs on 10/64" chk. TP 920 - 375#. Recovered no oil, 30 BBLS load water, nitrogen gas, and a trace of sand; increased chk size often to maintain fluid recovery (between 12/64" and 3/4"); flowed 5 hrs. TP 375-60#, recovered no oil, 35 BLW, N_2 gas, no sand. Had burnable gas to surf. Recovering no fluid. Reduce chk to 12/64". Flow well 2.5 hrs. TP 20-75#. Recovered no oil, no water, gas rate at end of period 71 MCF/D. SWI @ 16:30 w/ press recorder taking press every 1/2 hr for the night. - 257 BLAW total. DC 3128, CC $178,114.

...s, Texas 75225
...elephone 214/750-3800
...AX 214/750-3883

River Bend Unit #16-19E
Natural Buttes Field
Uintah, Utah

03-10-92 MIRU service unit. SDFN. CC $37,584.

03-11-92 RIH w/ 4-3/4" RB and csg scraper. Tag PB @ 7,205'. Circ w/ 3% KCl water and biocide. POOH w/ tbg, RB and csg scraper. CC $39,460.

03-12-92 Ran DSN/GR from 7193' - 6800' and Acoustic CBL from 7190' - 500'. TOC @ 720'. Tested csg to 3500 psi for 5 min. Released pressure, SWI & SDFN.
DC $61,421, CC $101,380.

03-13-92 Perf zones 3 & 4, acidize and swabed same. H.L.S. perf (Chapita Wells) zones 3 & 4, 5074'-79' and 5042'-68', 2JSPF (total 62 holes) with a 4" H.C. csg gun, 23 gram chg, .45 diameter hole 120 deg phasing by H.L.S. DSN/CDL dated 11-09-91. RIH w/ 5.5" Baker Retreivamatic pkr on 2.375", 4.7#, EUE, 8RD, N-80 & J-55 tbg to 5079'. Howco spot 2 BBLS 7.5% FE HCl acid from 5079' to 4995'; raise pkr to 4896', reverse 5 BBLS 3% KCl wtr around pkr, and set pkr at 4896' w/ 20,000# comp. Trap 1000# on 5.5" X 2.375" ann. Howco acidized zones 3 & 4 w/ 2000 gal 7.5% FE HCl acid in one stage with 95, .875" RCNBS spaced evenly in the acid. Flushed to bottom perf w/ treated 3% KCl wtr. BD 1950#, max 3650#, min 2180#, ave 3000#, final 3650#, ISIP 2500#, 5 min 2440#, 10 min 2440#, 15 min 2420#, AIR 4 BPM, max. IR 4 BPM frac gradient .94, job complete @ 12:30pm. Ball action 3200 - 3650# with no ball out. 96 BBLS load & acid wtr to recover. Flowed .5 hr, recovered no oil, 53 BBLS LAW. TP 2420 - 0# on a .75" chk. Swabed 3 hrs, recovered no oil, 27 BBLS LAW, fluid level surf to 4600'.
DC $10,903, CC $112,283.

03-14-92 15 hr SITP = 1400 psi; open well flowed 1/2 hr, 16/64" choke, no fluid recovery, steady gas blow; 2 hrs swabbed 3200'-4900', recovered 3 BLAW w/ good steady gas blow. Flowed 7 hrs, 1/4" choke rev'd no fluid, est 65 MCF gas rate. FTP = 70#, 10 min = 105#, 15 min 145#, 20 min = 180#, 25 min = 210#, 30 min 245#; -11 BLAW.
DC $2102, CC $114,385.

03-15-92 Well shut-in for day.

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To Barbara Ford	From Carey Sparks
Co. CNG	Co. PG&E
Dept.	Phone # 214.750-3959
Fax # 504-593-7544	Fax # 750-3845

CNG 10 (Rev 2/88)

CNG Producing Company

A CNG COMPANY

DAILY DRILLING REPORT

Lease and Well No. River Bend Unit 16-19 F			Date Thursday 11/14/91
Depth MD: 7250 T.D. TVD: SAME	Footage -0-	Present Operations Rig down & move out	Days Total: 23 From Spud: 23
Last Csg Size: 5½ MD: 7250 TVD: —	Shoe Test —	Contract Rig SST Rig #3	Toolpusher R. Eberspacher / Co. Rep. M. Anthony
Last Liner Size: MD: TVD:	Top MD:	Shoe Test: — / AFE No. 081800	Auth. Depth 7150 / Auth $ 228,436
Next Csg Size: — MD: — TVD: —	Expected MW	Last Bop Test 10/20/91	Daily Cost $112,906 / Cum Cost $323,457

MUD DATA

	Wt.	Vis.	PV	YP	Gels	API WL	HTHP	Cake API/HTHP	Solids %	Liquid % Oil/Wtr.	Sand %	MBT	Ph	Pm
IN	8.4	28			/			/		/			9.5	
OUT					/			/		/				

	Pf/Mf	Chlorides	Ca	LGS %			Mud Vol.	Shaker Screens	Hours		Mug Eng. L. Arnold
IN	1.1 / 1.5	12,000	10				Hole	#1	DeSand	Cent	Mud Type KCL
OUT	/						Pit	#2	DeSilt	Mud Cl.	Daily $ -0-

Chem. Used & Remarks — Cum $ 28,621

BIT & DRILLING DATA

No.	Size	Manf.	Type	Serial #	Nozzles	Depth Out	Footage	Hours	Avg. ROP	Weight	RPM	T	B	G
N/A														

Depth	Torque, Ft. lbs. On Btm.	Torque, Ft. lbs. Off Btm.	Rot. Wt.	P.U. Wt.	S.O. Wt.	Avg. Drag	Max. Drag	Bit Dull Remarks	Bit No.	Cost
N/A										

HYDRAULICS

Pump No.	Liner X Stroke	Disp. BPS	SPM	GPM	Pressure	JV	Bit Press. Drop	AV DC	AV DP	Slow Pump Data SPM	Slow Pump Data Pressure
	N/A										

DIRECTIONAL/DEVIATION SURVEYS

MD	Angle	Dir.	TVD	VS	Coordinates		DL	Closure
NONE								

TIME FROM	TIME TO	HOURS	OPERATIONS BREAKDOWN
0500	0600	1	Circulate & condition hole. Wash 5½" Csg to T.D. @ 7250'
0600	0830	2½	Rig up Dowell & cement 5½" casing with 607 sx lead cement + 1180 sx tail cement. Displace 5½" casing with 167 3/4 Bbls of 2% KCL water. Plug down, with 3000# surface pressure, at 0830H. Floats held - OK.
0830	1200	3½	Rig down Dowell. Pick up BOP stack and set 5½" casing slips in full tension, 138,000#. Cut off 5½" casing and lay down cut off joint.
1200	1600	4	Cap 5½" casing. Clean & jet steel Pits. Release rig at 1600H.

No wear bushing!

Water delivered to location

	Fresh	Brine
Previous	7465	300
Past 24 hrs	-0-	0
TOTAL	7465	300

Thursday

Lease & Well # River Bend Unit 16-19 E

Date 11/14/91

MUD LOG

Depth	MW	Est PP	Formation	BGG	CG	TG	Max Gas	Dc Exp.	Sh Dens	ROP Shale	ROP Sand
NONE											

DRILLING BREAKS

Depth From	Depth To	ROP Before	ROP During	ROP After	Gas Units	Gas Mud Cut	Remarks
NONE							

BHA

BHA #	Length		Total	Below Jars	Above Jars	Rotating Hrs Since Inspection	Rotating Hrs Total These DC's	Rotating Hrs Jars
NONE		Air Weight				179	179	
		Buoyed						

Description NONE

Remarks/Reason for Change

CASING WEAR

	Cumulative Hours Rotating	Cumulative Hours Trip
Last Csg	179	151
Last Liner		

DRILLSTRING

Length	Size	Wt.	Gr	Conn	Max Pull (80% of new)
NONE					

Max pull w/ brt on btm: Weak Member:

WEATHER

Wind Calm

Waves —

Temp. 35°

Barp. —

Precip. Clear

PERSONNEL

Operator 1

Contract 5

Service 7

Other

Total 13

DRILLS: No. & Duration

Pit

Trip

BOP

Fire

Abandon

TIME DISTRIBUTION

Depth	7252		
Hole Section	Comp		
Phase	C		
Drill, OH, UR			
Trip, Short Trip			
Survey			
Rig Serv S & CDL			
Circ.	1		
Log & Eval.			
CSG & Cement	2½		
NU, ND, Test BOP	7½		
Other			
Trouble Time			
Trouble Code			

"Other" Description Rig Released at 1600H

Trouble Time	Codes
Stuck Pipe & Fishing	SPF
Well Kick-Control	WKC
Well Control-Other	WCO
Lost Circ.	LC
Hole Problems-Other	HP
Remedial Cementing	RC
Rig Repair	RR
Drillstring Failure	DS
Other Eq. Failure	DEQ
Junk in Hole-Fishing	Junk
Wait on Weather	WOW
Wait on Other	WOO
Other	Oth

ACCIDENTS

Name Time & Date

Company

Remarks NONE

MATERIALS INVENTORY

Item	Rig	Boats Name	Boats Name
Barite			
Cement			
Drill Wtr			
Pot Wtr.			
Fuel			
Other			

LOGISTICS

Boat Current Status

REMARKS & OTHER

Cement 5½" Production Casing. Set slips in full tension of 132,000#
Cut off Csg + clean + set Pits. Rel Rig at 1600H.

Mike Anthony

CNG 10 (Rev 2/88)

CNG Producing Company

A CNG COMPANY

DAILY DRILLING REPORT

Lease and Well No.	River Bend Unit 16-19F			Date	Wednesday 11/13/91
Depth MD: 7250 TD TVD: SAME	Footage -0-	Present Operations	Circulate & condition hole - Prep to cmt 5½	Days Total: 22	From Spud: 22
Last Csg Size: 5½ MD: 7250 TVD:	Shoe Test —	Contract Rig	SST Rig #3	Toolpusher R. Eberspacher	Co. Rep M. Anthony
Last Liner Size: MD: TVD:	Top MD:	Shoe Test: —	AFE No. 081800	Auth. Depth 7150	Auth $ 228,436
Next Csg Size: MD: TVD:	Expected MW		Last Bop Test	Daily Cost $ 7279	Cum Cost $ 210,551

MUD DATA 2 Jts 5½" 17.0# N-80 LT&C 8RD Csg = 84.85'

	Wt.	Vis.	PV	YP	Gels	API WL	HTHP	Cake API/HTHP	Solids %	Liquid % Oil/Wtr.	Sand %	MBT	Ph	Pm
IN	8.4	28			/			/		/			9.0	
OUT					/			/		/				

	Pf/Mf	Chlorides	Ca	LGS %			Mud Vol.	Shaker Screens	Hours		Mud Eng. J. Arnold
IN	1.1 / 1.5	12,000	10				Hole	#1	DeSand	Cent	Mud Type KCL
OUT	/						Pit	#2	DeSilt	Mud Cl.	Daily $ 739

Chem. Used & Remarks 25 sx KCL, 10 Unidrill — Cum $ 28,621

BIT & DRILLING DATA

No.	Size	Manf.	Type	Serial #	Nozzles	Depth Out	Footage	Hours	Avg. ROP	Weight	RPM	T	B
N/A													

Depth	Torque, Ft. lbs. On Btm.	Torque, Ft. lbs. Off Btm.	Rot. Wt.	P.U. Wt.	S.O. Wt.	Avg. Drag	Max. Drag	Bit Dull Remarks	Bit No.	Cost
N/A										

HYDRAULICS

Pump No.	Liner X Stroke	Disp. BPS	SPM	GPM	Pressure	JV	Bit Press. Drop	AV DC	AV DP	Slow Pump Data SPM	Slow Pump Data Pressure
1	5½ X 15	.117	60	295							
2	5½ X 15	.117									

DIRECTIONAL/DEVIATION SURVEYS

MD	Angle	Dir.	TVD	VS	Coordinates		DL	Closure
NONE								

TIME FROM	TIME TO	HOURS	OPERATIONS BREAKDOWN
0500	0630	1½	Circulate & condition hole
0630	0900	2½	Work & ream from 7070 to T.D. at 7250'
0900	1300	4	Circulate & condition hole
1300	2030	7½	Trip out, laying down drill pipe & drill collars.
2030	0500	8½	Rig up & run 174 Jts of 5½" 17.0# N-80 LT&C 8RD Csg with guide shoe float collar, & 13 centralizers to at T.D. of 7250'.
	0500		Circulate & condition hole - Prepare to cement 5½" production casing.

No wear bushing!

Water delivered to location

	Fresh	Brine
Previous	6585	300
Past 24 hrs	880	0
Total	7465	300

Wednesday

Lease & Well # River Bend Unit 16-19F | Date 11/13/91

MUD LOG

Depth	MW	Est PP	Formation	BGG	CG	TG	Max Gas	Dc Exp	Sh Dens	ROP Shale	ROP Sand
NONE											

DRILLING BREAKS

Depth From	Depth To	ROP Before	ROP During	ROP After	Gas Units	Gas Mud Cut	Remarks
NONE							

BHA

BHA #	Length		Total	Below Jars	Above Jars	Rotating Hrs. Since Inspection	Rotating Hrs. Total These DC's	Rotating Hrs. Jars
N/A		Air Weight				179	179	
		Buoyed						

Description N/A

Remarks/Reason for Change

CASING WEAR

	Cumulative Hours Rotating	Cumulative Hours Trip
Last Csg	179	151
Last Liner		

DRILLSTRING

Length	Size	Wt.	Gr	Conn.	Max Pull (80% of new)
N/A					

Max pull w/ bit on btm: Week Member:

WEATHER

Wind Calm
Waves –
Temp. 40
Baro. –
Precip. Clear

PERSONNEL

Operator 1
Contract 5
Service 4
Other
Total 10

DRILLS: No. & Duration

Pit
Trip
BOP
Fire
Abandon

ACCIDENTS

Name Time & Date
Company
Remarks NONE

TIME DISTRIBUTION

Depth	7250		
Hole Section	Comp		
Phase	C		
Drill, OH, UR			
Trip, Short Trip	7½		
Survey			
Rig. Serv S & CDL			
Circ.	5½		
Log & Eval			
CSG & Cement	8½		
NU, ND, Test BOP			
Other	2½		
Trouble Time			
Trouble Code			

"Other" Description Wait on Mon to Bottom

Trouble Time	Codes
Stuck Pipe & Fishing	SPF
Well Kick-Control	WKC
Well Control-Other	WCO
Lost Circ.	LC
Hole Problems-Other	HP
Remedial Cementing	RC
Rig Repair	RR
Drillstring Failure	DS
Other Eq Failure	OEQ
Junk in Hole-Fishing	Junk
Wait on Weather	WOW
Wait on Other	WOO
Other	Oth

MATERIALS INVENTORY

Item	Rig	Boats Name	Boats Name
Barite			
Cement			
Drill Wtr.			
Pot Wtr.			
Fuel			
Other			

LOGISTICS

Boat Current Status

REMARKS & OTHER

CNG 10 (Rev 2/88)

CNG Producing Company

A CNG COMPANY

DAILY DRILLING REPORT

Lease and Well No.	River Bend Unit 16-19 E	Date	Tuesday 11/12/91
Depth MD: 7250 TD. TVD: SAME	Footage -0-	Present Operations	Circulate & Condition hole from 7070
Days Total: 21	From Spud: 21		
Last Csg Size: 8 5/8 MD: 418 TVD:	Shoe Test —	Contract Rig	SST Rig #3
Toolpusher	R. Eberspacher	Co. Rep.	M. Duthoy
Last Liner Size: MD: TVD:	Top MD:	Shoe Test: —	AFE No. 081804
Auth. Depth	7150	Auth $	228,436
Next Csg Size: 5 1/2 MD: 7250 TD:	Expected MW	Last Bop Test	10/22/91
Daily Cost	$6383	Cum Cost	

MUD DATA

196 jts 5 1/2" 17.0# N-80 LT&C 8RD Csg = 7544'

	Wt.	Vis.	PV	YP	Gels	API WL	HTHP	Cake API/HTHP	Solids %	Liquid % Oil/Wtr.	Sand %	MBT	Ph	Pm
IN	8.4	28			/			/		/			10.5	
OUT					/			/		/				

	Pf/Mf	Chlorides	Ca	LGS %			Mud Vol.	Shaker Screens		Hours		Mud Eng.
IN	1.6 / 2.3	18,000	30				Hole	#1	DeSand	Cent		Y. Arnold
OUT	/						Pit	#2	DeSilt	Mud Cl.		Mud Type KCL
Chem. Used & Remarks	NONE											Daily $ -0-
												Cum $ 27,822

BIT & DRILLING DATA

No.	Size	Manf.	Type	Serial #	Nozzles	Depth Out	Footage	Hours	Avg. ROP	Weight	RPM	T	B	G
#5	7 7/8	REED	HP53A	M42591	3/12's	7250	542	34	15.9	45,000	65	4	E	I

Depth	Torque, Ft. lbs. On Btm.	Off Btm.	Rot. Wt.	P.U. Wt.	S.O. Wt.	Avg. Drag	Max. Drag	Bit Dull Remarks	Bit No.	Cost
7250			192,000	195,000	169,000	3,000	5,000			

HYDRAULICS

Pump No.	Liner X Stroke	Disp. BPS	SPM	GPM	Pressure	JV	Bit Press. Drop	AV DC	AV DP	Slow Pump Data SPM	Slow Pump Data Pressure
1	5 1/2 X 15	.117	60	295	550	286	614	314	173	20	200
2	5 1/2 X 15	.117									

DIRECTIONAL/DEVIATION SURVEYS

MD	Angle	Dir.	TVD	VS	Coordinates		DL	Closure
NONE								

OPERATIONS BREAKDOWN

TIME FROM	TO	HOURS	
0500	1500	10	Open hole logging
1500	2000	5	trip in hole
2000	0015	4 1/4	Work & ream from 6600' to 7225'
0015	0400	4 3/4	Work drill string out of tight hole
0400	0500	1	Circulating & conditioning hole, while rotating, at 7070'

Open hole logging until 1500H. Trip in hole & work and ream from 6600 to 7225'. On last stand run in hole, hole packed off around drill collars. Pull out of tight hole from 7225' to 7070'. Circulating, rotating, & conditioning hole, from 7070', at report time.

No wear bushing!

Water delivered to Location

	Fresh	Brine
Previous	6085	300
Past 24 hrs	500	0
Total	6585	300

Tuesday

Lease & Well # River Bend Unit 16-19 E

Date 11/12/91

MUD LOG

Depth	MW	Est PP	Formation	BGG	CG	TG	Max Gas	Dc Exp	Sh Dens	ROP Shale	ROP Sand
NONE											

DRILLING BREAKS

Depth From	Depth To	ROP Before	ROP During	ROP After	Gas Units	Gas Mud Cut	Remarks
NONE							

BHA

BHA #	Length		Total	Below Jars	Above Jars	Rotating Hrs Since Inspection	Rotating Hrs Total These DC's	Rotating Hrs Jars
#6	735.18	Air Weight	67,400					
		Buoyed	58,500			179	179	

Description 7 7/8" bit, bit sub, 25 6 1/4" x 2 1/4" DC's
No change in BHA.

Remarks/Reason for Change

CASING WEAR

	Cumulative Hours Rotating	Cumulative Hours Trip
Last Csg	179	1483 1/2
Last Liner		

DRILLSTRING

Length	Size	Wt.	Gr.	Conn.	Max Pull (80% of new)
6515	4 1/2	16.60	E	4 1/2" XH	264

Max pull w/ bit on btm: 264,000

Weak Member: 4 1/2" 16.60 E

WEATHER

Wind Calm
Waves —
Temp. 40
Baro. —
Precip. Clear

PERSONNEL

Operator 1
Contract 5
Service 4
Other
Total 10

DRILLS: No. & Duration

Pit
Trip
BOP
Fire
Abandon

ACCIDENTS

Name
Time & Date
Company
Remarks None

TIME DISTRIBUTION

Depth	4250		
Hole Section	Comp		
Phase	C		
Drill, DH, UR			
Trip, Short Trip	5		
Survey			
Rig. Serv. S & CDL			
Circ.	4 1/4		
Log & Eval	10		
CSG & Cement			
NU, ND, Test BOP			
Other	4 3/4		
Trouble Time			
Trouble Code			

"Other" Description Work drill string out of tight hole.

Trouble Time	Codes
Stuck Pipe & Fishing	SPF
Well Kick-Control	WKC
Well Control-Other	WCO
Lost Circ.	LC
Hole Problems-Other	HP
Remedial Cementing	RC
Rig Repair	RR
Drillstring Failure	DS
Other Eq. Failure	OEQ
Junk in Hole-Fishing	Junk
Wait on Weather	WOW
Wait on Other	WOO
Other	Oth

MATERIALS INVENTORY

Item	Rig	Boats Name	Boats Name
Barite			
Cement			
Drill Wtr.			
Pot Wtr			
Fuel			
Other			

LOGISTICS

Boat Current Status

REMARKS & OTHER

CNG 10 (Rev 2 88)

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Monday

DAILY DRILLING REPORT

Lease and Well No.	River Bend Unit 16-19 F	Date	11/11/91
Depth MD: 7250 TD TVD: SAME	Footage -0-	Present Operations: Trip in hole	Days Total: 20 From Spud: 20
Last Csg Size: MD: TVD:	Shoe Test —	Contract Rig: SST Rig #3	Toolpusher: R. Eberspacher; Co Rep: M. Anthony
Last Liner Size: MD: TVD:	Top MD:	Shoe Test: —	AFE No.: 081804D; Auth. Depth: 7150; Auth $: 228,436
Next Csg Size: 5½ MD: 7250 TVD:	Expected MW —	Last Bop Test: 10/22/91	Daily Cost: $6707; Cum Cost: $196,889

MUD DATA 176 Jts 5½" 17.0# N-80 LT+C 8RD Csg = 7544'

	Wt.	Vis.	PV	YP	Gels	API WL	HTHP	Cake API/HTHP	Solids %	Liquid % Oil/Wtr.	Sand %	MBT	Ph	Pm
IN	8.4	28			/			/		/			10.0	
OUT					/			/		/				

	Pf/Mf	Chlorides	Ca	LGS %			Mud Vol.	Shaker Screens	Hours		Mud Eng.
IN	1.4 / 1.9	16,000	20				Hole	#1	DeSand	Cent	J. Arnold
OUT	/						Pit	#2	DeSilt	Mud Cl.	Mud Type: KCL
											Daily $: $581

Chem. Used & Remarks: 20 KCL, 10 MP-450, 6 Unidrill — Cum $: 27,822

BIT & DRILLING DATA

No.	Size	Manf.	Type	Serial #	Nozzles	Depth Out	Footage	Hours	Avg. ROP	Weight	RPM	T	B
#5	7⅞"	Reed	HP53A	YM42591	3/12's	7250	542	34	15.9	45,000	65	4	E

Depth	Torque, Ft. lbs. On Btm.	Torque, Ft. lbs. Off Btm.	Rot. Wt.	P.U. Wt.	S.O. Wt.	Avg. Drag	Max. Drag	Bit Dull Remarks	Bit No.	Cost
7250			192,000	145,000	184,000	3,000	5000			

HYDRAULICS

Pump No.	Liner X Stroke	Disp. BPS	SPM	GPM	Pressure	JV	Bit Press. Drop	AV DC	AV DP	Slow Pump Data SPM	Slow Pump Data Pressure
1	5½ X 15	.117	60	295	550					20	200
2	5½ X 15	.117				Aerated fluid at 500 cfm/ft min					

DIRECTIONAL/DEVIATION SURVEYS

MD	Angle	Dir.	TVD	VS	Coordinates		DL	Closure
NONE								

TIME FROM	TIME TO	HOURS	OPERATIONS BREAKDOWN
0500	0930	4½	Open hole logging
0930	1300	3½	Trip in hole
1300	1630	3½	Circulate & Condition hole for logs
1630	2000	3½	trip out of hole
2000	0230	6½	Open hole logging
0230	0430	2	Trip in hole
0430	0500	½	trip out of hole for additional open hole logging
			Trip out of hole & prepare for additional open hole logging at report time.
			No wear bushing!

Water delivered to location

	Fresh	Brine
Previous	6085	300
Past 24 hrs	0	0
TOTAL	6085	300

Lease & Well # River Bend Unit 16-19 E

Date 11/4/91

MUD LOG

Depth	MW	Est PP	Formation	BGG	CG	TG	Max Gas	Dc Exp	Sh Dens	ROP Shale	ROP Sand
NONE											

DRILLING BREAKS

Depth From	Depth To	ROP Before	ROP During	ROP After	Gas Units	Gas Mud Cut	Remarks
NONE							

BHA

BHA #	Length		Total	Below Jars	Above Jars	Rotating Hrs. Since Inspection	Total These DC's	Jars
#6	735.18	Air Weight	67,400			179	179	
		Buoyed	58,500					

Description: 7 7/8" bit, bit sub, & 25 6 1/4" x 2 1/4" DC's

No change in BHA.

Remarks/Reason for Change

CASING WEAR

	Cumulative Hours Rotating	Cumulative Hours Trip
Last Csg	179	138 1/2
Last Liner		

DRILLSTRING

Length	Size	Wt.	Gr	Conn	Max Pull (80% of new)
651.5	4 1/2"	16.60	E	4 1/2" XH	264

Max pull w/ bit on btm: 264,000 Weak Member: 4 1/2 16.60 E

WEATHER

Wind: Calm
Waves: –
Temp: 45°
Baro: –
Precip: Clear

PERSONNEL

Operator: 1
Contract: 5
Service:
Other:
Total: 6

DRILLS: No. & Duration

Pit:
Trip:
BOP:
Fire:
Abandon:

ACCIDENTS

Name: Time & Date:
Company: NONE
Remarks:

TIME DISTRIBUTION

Depth	7250		
Hole Section	Coap		
Phase	C		
Drill, OH, UR			
Trip, Short Trip	9 1/2		
Survey			
Rig. Serv. S & CDL			
Circ.	3 1/2		
Log & Eval	11		
CSG & Cement			
NU, ND, Test BOP			
Other			
Trouble Time			
Trouble Code			

"Other" Description:

Trouble Time	Codes
Stuck Pipe & Fishing	SPF
Well Kick-Control	WKC
Well Control-Other	WCO
Lost Circ.	LC
Hole Problems-Other	HP
Remedial Cementing	RC
Rig Repair	RR
Drillstring Failure	DS
Other Eq. Failure	DEQ
Junk in Hole-Fishing	Junk
Wait on Weather	WOW
Wait on Other	WOO
Other	Oth

MATERIALS INVENTORY

Item	Rig	Boats Name	Boats Name
Barite			
Cement			
Drill Wtr.			
Pot Wtr.			
Fuel			
Other			

LOGISTICS

Boat Current Status

REMARKS & OTHER

Open hole logging - unable to get density tool to read properly across 6900-6920 zone. Problem with tools & wid hole bridging. Trip in hole to 7140 & circulate & condition hole. trip out & log 6900-6920 zone. Rig down loggers & start in hole. Call from Brian Coffin to relog 6940 to 4500 with dual lateral log. Trip out of hole & rig up open hole loggers at report time.

Mike Anthony

CNG Producing Company

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DAILY DRILLING REPORT

Lease and Well No.	Rivers Bend Unit 16-14F	Date	Sunday 11/10/91
Depth MD: 7250' TD TVD: SAME	Footage -0-	Present Operations: Open hole Logging	Days Total: 19 From Spud: 19
Last Csg Size: 8 5/8 MD: 418 TVD: —	Shoe Test —	Contract Rig: SST Rig #3	Toolpusher: R. Eberspacher / Co. Rep. M. Anthony
Last Liner Size: MD: TVD:	Top MD: / Shoe Test: —	AFE No. 08180 D	Auth. Depth 7150 / Auth $ 228,436
Next Csg Size: 5 1/2 MD: 7250' TVD:	Expected MW	Last Bop Test 10/22/91	Daily Cost $5169 / Cum Cost $190,182

MUD DATA 176 Jts 5 1/2" 17.0# N-80 LT+C 8RD Csg = 7544'

	Wt.	Vis.	PV	YP	Gels	API WL	HTHP	Cake API/HTHP	Solids %	Liquid % Oil/Wtr.	Sand %	MBT	Ph	Pm
IN	8.5	28			/			/		/			10.5	
OUT					/			/		/				

	Pf/Mf	Chlorides	Ca	LGS %			Mud Vol.	Shaker Screens		Hours		Mud Eng. J. Arnold
IN	1.2/1.5	15,000	90				Hole	#1	DeSand	Cent		Mud Type KCL
OUT	/						Pit	#2	DeSilt	Mud Cl.		Daily $ 1534

Chem. Used & Remarks: 25 sx Cedar Fiber, 90 Sea Mud, 3 Lime, 55 KCL, 30 GEL — Cum $ 27,241

BIT & DRILLING DATA

No.	Size	Manf.	Type	Serial #	Nozzles	Depth Out	Footage	Hours	Avg. ROP	Weight	RPM	T	B	G
#5	7 7/8	Reed	HP53A	M42591	3/12's	7250	542	34	15.9	45,000	65	4	E	I

Depth	Torque, Ft. lbs. On Btm.	Off Btm.	Rot. Wt.	P.U. Wt.	S.O. Wt.	Avg. Drag	Max. Drag	Bit Dull Remarks	Bit No.	Cost
7250			192,000	195,000	189,000	3000	5000			

HYDRAULICS

Pump No.	Liner X Stroke	Disp. BPS	SPM	GPM	Pressure	JV	Bit Press. Drop	AV DC	AV DP	Slow Pump Data SPM	Slow Pump Data Pressure
1	5 1/2 x 15	.117	60	295	550					20	200
2	5 1/2 x 15	.117				Aerated fluid at 500 cfm/47 min					

DIRECTIONAL/DEVIATION SURVEYS

MD	Angle	Dir.	TVD	VS	Coordinates		DL	Closure
None								

TIME FROM	TO	HOURS	OPERATIONS BREAKDOWN
0500	0630	1 1/2	Circulate & condition hole for logs.
0630	1100	4 1/2	Trip out of hole
1100	0500	18	Move in & rig up Halliburton Logging Service. Open hole logging
			Circulate & condition hole. Chain out of hole, SLM. Move in & rig up Halliburton Logging Services. Loggers T.D. at 7060' & start logging at 1430H. Logging out with 'Lost' density tool at report time.
			No wear bushing!

Waters delivered to location

	Fresh	Brine
Previous	5585	300
Past 24 hrs	500	0
TOTAL	6085	300

Sunday

Lease & Well #	Date
River Bend Unit 16-19E	11/10/91

MUD LOG

Depth	MW	Est PP	Formation	BGG	CG	TG	Max Gas	Dc Exp	Sh Dens	ROP Shale	ROP Sand
NONE											

DRILLING BREAKS

Depth From	Depth To	ROP Before	ROP During	ROP After	Gas Units	Gas Mud Cut	Remarks
NONE							

BHA

BHA #	Length		Total	Below Jars	Above Jars	Rotating Hrs: Since Inspection	Rotating Hrs: Total Those DC's	Rotating Hrs: Jars
#6	735.18	Air Weight	69400					
		Buoyed	58,500			179	179	

Description: 7 7/8" bit, bit sub, & 25 6¼" x 2¼" D.C.'s

Remarks/Reason for Change:

CASING WEAR

	Cumulative Hours: Rotating	Cumulative Hours: Trip
Last Csg	179	129
Last Liner		

DRILLSTRING

Length	Size	Wt.	Gr.	Conn.	Max Pull (80% of new)
6465	4½	16.60	E	4½" XH	264

Max pull w/ bit on btm: 264,000

Weak Member: 4½" 16.60 E

WEATHER

Wind: CALM
Waves: —
Temp.: 30°
Baro.: —
Precip.: CLEAR

PERSONNEL

Operator: 1
Contract: 5
Service:
Other:
Total: 6

DRILLS: No. & Duration

Pit:
Trip:
BOP:
Fire:
Abandon:

TIME DISTRIBUTION

Depth	7250		
Hole Section	Comp		
Phase	C		
Drill, OH, UR			
Trip, Short Trip			
Survey			
Rig. Serv. S & CDL			
Circ.			
Log & Eval.			
CSG & Cement			
NU, ND, Test BOP			
Other			
Trouble Time			
Trouble Code			

"Other" Description:

Trouble Time	Codes
Stuck Pipe & Fishing	SPF
Well Kick-Control	WKC
Well Control-Other	WCO
Lost Circ.	LC
Hole Problems-Other	HP
Remedial Cementing	RC
Rig Repair	RR
Drillstring Failure	DS
Other Eq. Failure	OEQ
Junk in Hole-Fishing	Junk
Wait on Weather	WOW
Wait on Other	WOO
Other	Oth

ACCIDENTS

Name: Time & Date:
Company: NONE
Remarks:

MATERIALS INVENTORY

Item	Rig	Boats: Name	Boats: Name
Barite			
Cement			
Drill Wtr			
Pot Wtr			
Fuel			
Other			

LOGISTICS

Boat Current Status

REMARKS & OTHER

Circulate & condition - Chain out, SLM for open hole logs. Move in & rig up Halliburton Logging Services. Loggers T.D. at 7060' & daywork starts at 1430 hr. Logging out with 'Lost' formation density tool at report time.

Mike Anthony

CNG Producing Company

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DAILY DRILLING REPORT

Lease and Well No.	River Bend Unit 16-19 F	Date	Saturday 11/09/91
Depth MD: 72 TVD: Same	Footage 155	Present Operations	Circulate & Condition hole for O.H. logs
Days Total: 18	From Spud: 18		
Last Csg Size: 8 5/8" MD: 418 TVD:	Shoe Test —	Contract Rig	SST Rig #3
Toolpusher	R. Eberspecher	Co. Rep.	M. Anthony
Last Liner Size: MD: TVD:	Top MD:	Shoe Test: —	AFE No. 08180 D
Auth. Depth	7150	Auth $	228,436
Next Csg Size: 5 1/2" MD: 7250 TVD:	Expected MW	Last Bop Test	10/22/91
Daily Cost	$4477	Cum Cost	$185,013

MUD DATA 176 Jts 5 1/2" 17.0# N-80 LT&C 8RD Csg = 7544

	Wt.	Vis.	PV	YP	Gels	API WL	HTHP	Cake API/HTHP	Solids %	Liquid % Oil/Wtr.	Sand %	MBT	Ph	Pm
IN	8.5	28			/			/		/			10.5	
OUT					/			/		/				

	Pf/Mf	Chlorides	Ca	LGS %			Mud Vol.	Shaker Screens	Hours		Mug Eng.
IN	1.2 / 1.5	17,000	40				Hole	#1	DeSand	Cent	J. Arnold
OUT	/						Pit	#2	DeSilt	Mud Cl.	Mud Type KCL
											Daily $ 314

Chem. Used & Remarks: 10 sx Lime, 20 sx KCL, 3 sx KOH — Cum $ 25,707

BIT & DRILLING DATA

No.	Size	Manf.	Type	Serial #	Nozzles	Depth Out	Footage	Hours	Avg. ROP	Weight	RPM	T	B
#5	7 7/8	Reed	HP53A	M42591	3/12's	7250	542	34	15.9	45,000	65		

Depth	Torque, Ft. lbs. On Btm.	Off Btm.	Rot. Wt.	P.U. Wt.	S.O. Wt.	Avg. Drag	Max. Drag	Bit Dull Remarks	Bit No.	Cost
7250			192,000	195,000	189,000	3,000	5,000			

HYDRAULICS

Pump No.	Liner X Stroke	Disp. BPS	SPM	GPM	Pressure	JV	Bit Press. Drop	AV DC	AV DP	Slow Pump Data SPM	Slow Pump Data Pressure
1	5 1/2 x 15	.117	60	295	550					20	200
2	5 1/2 x 15	.117				Aerated fluid at 500 cu ft/min					

DIRECTIONAL/DEVIATION SURVEYS

MD	Angle	Dir.	TVD	VS	Coordinates		DL	Closure
NONE								

TIME FROM	TO	HOURS	OPERATIONS BREAKDOWN
0500	1230	7 1/2	STage in hole with drill string & circulate & condition hole
1230	2330	11	Drilling
2330	0130	2	Circulate & condition hole
0130	0315	1 3/4	20 stand short trip.
0315	0500	1 3/4	Circulate & condition hole with 120' of fill after short trip
			trip in hole & return to drilling at 1230H. T.D. 7 7/8" hole at 7250' at 2330H. Circulate & condition hole & make a 20 stand short trip. Return to bottom with 120' of fill
			Circulate & condition hole for open Hole logs at report time.
			No wear bushing!

Water delivered to location

	Fresh	Brine
Previous	5585	300
Past 24 hrs	0	0
TOTAL	5585	300

Saturday

...ase & Well #	River Bend Unit 16-19 F	Date 11/09/91

MUD LOG

Depth	MW	Est PP	Formation	BGG	CG	TG	Max Gas	Dc Exp.	Sh Dens	ROP Shale	ROP Sand
7250	8.5	–	Chapita Wells	5	100	2000					

DRILLING BREAKS

Depth From	Depth To	ROP Before	ROP During	ROP After	Gas Units	Gas Mud Cut	Remarks
NONE							

BHA

BHA #	Length		Total	Below Jars	Above Jars	Rotating Hrs. Since Inspection	Rotating Hrs. Total These DC's	Rotating Hrs. Jars
#6	735.18	Air Weight	67,400			179	179	
		Buoyed	58,500					

Description: 7 7/8" bit, bit sub, +25 6¼" x 2¼" D.C's

CASING WEAR

	Cumulative Hours Rotating	Cumulative Hours Trip
Last Csg	179	124¼
Last Liner		

Remarks/Reason for Change

DRILLSTRING

Length	Size	Wt.	Gr.	Conn.	Max Pull (80% of new)
6465	4½"	16.60	E	4½" x 61	264

Max pull w/ ...t on btm: 264,000 Weak Member: 4½" 16.60 E

WEATHER

Wind	Calm
Waves	–
Temp.	40°
Baro.	–
Precip.	Clear

PERSONNEL

Operator	1
Contract	5
Service	2
Other	
Total	8

DRILLS: No. & Duration

Pit	
Trip	
BOP	
Fire	
Abandon	

ACCIDENTS

Name	Time & Date
Company	None
Remarks	

TIME DISTRIBUTION

Depth	7250		
Hole Section	PROD		
Phase	M		
Drill, OH, UR	11		
Trip, Short Trip	5½		
Survey	2		
Rig. Serv. S & CDL			
Circ.	5½		
Log & Evel.			
CSG & Cement			
NU. ND. Test BOP			
Other			
Trouble Time			
Trouble Code			

Trouble Time	Codes
Stuck Pipe & Fishing	SPF
Well Kick-Control	WKC
Well Control-Other	WCO
Lost Circ.	LC
Hole Problems-Other	HP
Remedial Cementing	RC
Rig Repair	RR
Drillstring Failure	DS
Other Eq. Failure	OEQ
Junk in Hole-Fishing	Junk
Wait on Weather	WOW
Wait on Other	WOO
Other	Oth

"Other" Description

MATERIALS INVENTORY

Item	Rig	Boats Name	Boats Name
Barite			
Cement			
Drill Wtr.			
Pot Wtr.			
Fuel			
Other			

LOGISTICS

Boat Current Status

REMARKS & OTHER

CNG Producing Company

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DAILY DRILLING REPORT

Friday

Lease and Well No. River Bend Unit 16-19 F		Date 11/08/91	
Depth MD: 7095 TVD: SAME	Footage 74	Present Operations Trip out of hole with fish	Days Total: 17 From Spud: 17
Last Csg Size: 8 5/8 MD: 418 TVD:	Shoe Test —	Contract Rig SST Rig #3	Toolpusher R. Eberspacher / Co. Rep. M. Anthony
Last Liner Size: MD: TVD:	Top MD:	Shoe Test: — / AFE No. 081800	Auth. Depth 7150 / Auth $ 228,436
Next Csg Size: 5 1/2 MD: 7150 TVD:	Expected MW	Last Bop Test 10/22/91	Daily Cost $ 4278 / Cum Cost $ 180,536

MUD DATA

176 Jts 5 1/2" 17.0# N-80 LT+C 8RD Csg = 7544

	Wt.	Vis.	PV	YP	Gels	API WL	HTHP	Cake API/HTHP	Solids %	Liquid % Oil/Wtr.	Sand %	MBT	Ph	Pm
IN	8.5	28			/			/		/			8.5	
OUT	EMW =	54			/			/		/				

	Pf/Mf	Chlorides	Ca	LGS %			Mud Vol.	Shaker Screens	Hours		Mud Eng.
IN	.6 / 2.0	18,000					Hole	#1	DeSand	Cent	Mud Type KCL
OUT	/						Pit	#2	DeSilt	Mud Cl.	Daily $ 1056

Chem. Used & Remarks: 25 sx Cedar Fibre, 66 Seamud, 5 Lime, 34 KCL, 2 KOH, 13 GEL — Cum $ 25,393

BIT & DRILLING DATA

No.	Size	Manf.	Type	Serial #	Nozzles	Depth Out	Footage	Hours	Avg. ROP	Weight	RPM	T	B	C
#5	7 7/8	REED	HP53A	M42591	3/12's	ø	387	23	16.8	45,000	65			

Depth	Torque, Ft. lbs. On Btm.	Torque, Ft. lbs. Off Btm.	Rot. Wt.	P.U. Wt.	S.O. Wt.	Avg. Drag	Max. Drag	Bit Dull Remarks	Bit No.	Cost
7095			190,000	193,000	187,000	3,000	5,000			

HYDRAULICS

Pump No.	Liner X Stroke	Disp. BPS	SPM	GPM	Pressure	JV	Bit Press. Drop	AV DC	AV DP	Slow Pump Data SPM	Slow Pump Data Pressure
1	5 1/2 x 15	.117	60	295	650					20	200
2	5 1/2 x 15	.117				Aerated fluid at 550 cu/ft min					

DIRECTIONAL/DEVIATION SURVEYS

MD	Angle	Dir.	TVD	VS	Coordinates		DL	Closure
NONE								

TIME FROM	TIME TO	HOURS	OPERATIONS BREAKDOWN
0500	1030	5 1/2	Drilling
1030	1500	4 1/2	Lost pump pressure of 100#, pick-up string & twist off. Trip out of hole & pick up fishing Assembly (overshot, fore, & 4 6 1/4" x 2 1/4" DC's.)
1500	2000	5	Trip in hole & catch fish at ±5335'.
2000	0300	7	Jar fish loose & trip out of hole & lay down fishing tools.
0300	0500	2	Trip out to inspect BHA.

Drilling from 7021 to 7095'. Lost 100# of pump pressure & pick up drillstring & twist off. trip out of hole & pick up fishing assembly. Trip in hole & catch fish at ±5335'. Jar fish loose & trip out of hole & lay down fishing tools. trip out of hole to inspect BHA & bit at report time.

No wear bushing!

Water delivered to location

	Fresh	Brine
Previous	5585	300
Past 24 hrs	0	0
TOTAL	5585	300

Friday

...se & Well #	River Bend Unit 16-19F	Date 11/08/91

...UD LOG

Depth	MW	Est PP	Formation	BGG	CG	TG	Max Gas	Dc Exp	Sh Dens	ROP Shale	ROP Sand
7095	8.5	—	Chapitu Wells	5	10	2500					

DRILLING BREAKS

Depth From	Depth To	ROP Before	ROP During	ROP After	Gas Units	Gas Mud Cut	Remarks
None							

...HA

...HA #	Length		Total	Below Jars	Above Jars	Rotating Hrs. Since Inspection	Rotating Hrs. Total These DC's	Rotating Hrs. Jars
# 6	735.18	Air Weight	67,400			168	168	
		Buoyed	58,500					

...escription: 7 7/8" bit, bit sub, & 25 6 1/4" x 2 1/4" DC's

CASING WEAR

	Cumulative Hours Rotating	Cumulative Hours Trip
Last Csg	168	118 3/4
Last Liner		

...emarks/Reason for Change

DRILLSTRING

Length	Size	Wt.	Gr.	Conn.	Max Pull (80% of new)
6360	4 1/2"	16.60	E	4 1/2" XH	264

...ax pull w/ ...t on btm: 264,000 Weak Member: 4 1/2" 16.60 E

WEATHER

...ind	Calm
...aves	—
...emp.	45°
...aro.	—
...recip.	Clear

PERSONNEL

Operator	1
Contract	5
Service	3
Other	
Total	9

DRILLS: No. & Duration

Pit	
Trip	
BOP	
Fire	
Abandon	

...CCIDENTS

...ame _____ Time & Date _____

...ompany None

...emarks

TIME DISTRIBUTION

Depth	7095		
Hole Section	Prod		
Phase	M		
Drill, OH, UR	5 1/2		
Trip, Short Trip			
Survey			
Rig Serv. S & CDL			
Circ.			
Log & Eval.			
CSG & Cement			
NU, ND, Test BOP			
Other			
Trouble Time	18 1/2		
Trouble Code	SPF		

Trouble Time	Codes
Stuck Pipe & Fishing	SPF
Well Kick-Control	WKC
Well Control-Other	WCO
Lost Circ.	LC
Hole Problems-Other	HP
Remedial Cementing	RC
Rig Repair	RR
Drillstring Failure	DS
Other Eq. Failure	OEQ
Junk In Hole-Fishing	Junk
Wait on Weather	WOW
Wait on Other	WOO
Other	Oth

"Other" Description

MATERIALS INVENTORY

Item	Rig	Boats Name	Boats Name
Barite			
Cement			
Drill Wtr			
Pot Wtr			
Fuel			
Other			

LOGISTICS

Boat Current Status

...EMARKS & OTHER

Drilling from 7020' to 7095'. Lost 100# of pump pressure & pick up on drillstring & twist off. trip out of hole & pick up fishing assembly. Trip in hole & catch fish at ± 5335 & jar fish loose. trip out of hole & log down fishing tools. trip out to inspect BHA & bit at report time.

Mike Anthony

CNG Producing Company

A CNG COMPANY

DAILY DRILLING REPORT

Thursday

Lease and Well No. River Bend Unit 16-19F		Date 11/07/91	
Depth MD: 7021 TVD: SAME	Footage 252	Present Operations Drilling ahead at 17-19' per hour	Days Total: 16 From Spud: 16
Last Csg Size: 8 5/8 MD: 418 TVD: —	Shoe Test —	Contract Rig SST Rig #3	Toolpusher R. Eberspacher / Co. Rep. M. Anthony
Last Liner Size: MD: TVD:	Top MD:	Shoe Test: — / AFE No. 08180D	Auth. Depth 7150 / Auth $ 228,436
Next Csg Size: 5 1/2 MD: 7150 TVD:	Expected MW	Last Bop Test 10/22/91	Daily Cost $9747 / Cum Cost $176,258

MUD DATA 176 Jts 5 1/2" 17.0# N-80 LT+C 8RD Csg = 7544

	Wt.	Vis.	PV	YP	Gels	API WL	HTHP	Cake API/HTHP	Solids %	Liquid % Oil/Wtr.	Sand %	MBT	Ph	Pm
IN	8.5	28			/			/		/			9.0	
OUT	EMW = 5.1 PPG				/			/		/				

	Pf/Mf	Chlorides	Ca	LGS %			Mud Vol.	Shaker Screens	Hours		Mud Eng. L. Arnold
IN	.8 /1.5	20,000	10				Hole	#1	DeSand	Cent	Mud Type KCL
OUT	/						Pit	#2	DeSilt	Mud Cl.	Daily $ $2297

Chem. Used & Remarks: 100 sx Cedar fiber, 100 sx Sea Mud, 25 sx KCL, 27 sx GEL, 5 Unidrill — Cum $ 24,393

BIT & DRILLING DATA

No.	Size	Manf.	Type	Serial #	Nozzles	Depth Out	Footage	Hours	Avg. ROP	Weight	RPM	T	B	G
#5	7 7/8"	REED	HP53A	M42571	3/12's	ø	313	17 1/2	17.9	45,000	65			

Depth	Torque, Ft. lbs. On Btm.	Torque, Ft. lbs. Off Btm.	Rot. Wt.	P.U. Wt.	S.O. Wt.	Avg. Drag	Max. Drag	Bit Dull Remarks	Bit No.	Cost
7021			189,000	192,000	186,000	3,000	5,000			

HYDRAULICS

Pump No.	Liner X Stroke	Disp. BPS	SPM	GPM	Pressure	JV	Bit Press. Drop	AV DC	AV DP	Slow Pump Data SPM	Slow Pump Data Pressure
1	5 1/2 x 15	.117	60	295	650					20	200
2	5 1/2 x 15	.117				Aerated fluid at 700 cu/ft min					

DIRECTIONAL/DEVIATION SURVEYS

MD	Angle	Dir.	TVD	VS	Coordinates		DL	Closure
NONE								

TIME FROM	TIME TO	HOURS	OPERATIONS BREAKDOWN
0500	0530	1/2	trip out of hole with 10 stands
0530	1330	8	Rig up Air services & circulate & condition hole
1330	1500	1 1/2	Trip in hole and wash & ream 60' to bottom
1500	0500	14	Drilling ahead with full returns with 700 cu/ft min air.

trip out of hole 10 stands & rig up air services. Circulate & condition hole & treat lost circulation zone. Trip in hole and wash & ream 60' to bottom. Drilling ahead at report time with full returns using 700 cu/ft min Air

Total lost volume est = 2400 Bbls

No wear bushing

Water delivered to location

	Fresh	Brine
Previous	4135	300
Past 24 hrs	1450	0
total	5585	300

Thursday

Lease & Well # River Bend Unit 16-19F

Date 11/07/91

MUD LOG

Depth	MW	Est PP	Formation	BGG	CG	TG	Max Gas	Dc Exp	Sh Dens	ROP Shale	ROP Sand
6986	8.5	—	Chinle Wells	5	—	2500					

DRILLING BREAKS

Depth From	Depth To	ROP Before	ROP During	ROP After	Gas Units	Gas Mud Cut	Remarks
6902	6918	4.0	2.5	4.0	250	8.5	

BHA

BHA #	Length		Total	Below Jars	Above Jars	Rotating Hrs Since Inspection	Rotating Hrs Total These DC's	Rotating Hrs Jars
#6	735.18	Air Weight	67,400			162½	162½	
		Buoyed	58,500					

Description: 7⅞" bit, bit sub, & 25 6¼" x 2¼" D.C.'s

No change in BHA.

Remarks/Reason for Change

CASING WEAR

	Cumulative Hours Rotating	Cumulative Hours Trip
Last Csg	162½	100¼
Last Liner		

DRILLSTRING

Length	Size	Wt.	Gr.	Conn.	Max Pull (80% of New)
6286	4½"	16.60	E	4½" XH	264

Max pull w/ bit on btm: 269,000 Weak Member: 4½" 16.60 E

TIME DISTRIBUTION

				Trouble Time	Codes
Depth	7021			Stuck Pipe & Fishing	SPF
Hole Section	PROD			Well Kick-Control	WKC
Phase	M			Well Control-Other	WCO
Drill, OH, UR	14			Lost Circ.	LC
Trip, Short Trip	2			Hole Problems-Other	HP
Survey				Remedial Cementing	RC
Rig. Serv. S & CDL				Rig Repair	RR
Circ.	8			Drillstring Failure	DS
Log & Eval				Other Eq. Failure	OEQ
CSG & Cement				Junk in Hole-Fishing	Junk
NU, ND, Test BOP				Wait on Weather	WOW
Other				Wait on Other	WOO
Trouble Time				Other	Oth
Trouble Code					

"Other" Description

WEATHER

Wind	Calm
Waves	—
Temp.	25°
Baro.	—
Precip	CLEAR

PERSONNEL

Operator	1
Contract	5
Service	2
Other	
Total	8

DRILLS: No. & Duration

Pit	
Trip	
BOP	
Fire	
Abandon	

ACCIDENTS

Name: Time & Date:

Company: None

Remarks

MATERIALS INVENTORY

Item	Rig	Boats Name	Boats Name
Barite			
Cement			
Drill Wtr			
Pot Wtr			
Fuel			
Other			

LOGISTICS

Boat Current Status

REMARKS & OTHER

Trip out with 10 stands. Rig up air services & circulate & condition hole. Treat lost circulation zone. Trip in hole & wash & ream 60' to bottom. Return to drilling at 1500 H. Drilling at report time with full returns using 700 CM/MT min Air.

Mike Anthony

CNG Producing Company

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Wednesday

DAILY DRILLING REPORT

Lease and Well No.	River Bend Unit 16-19 F	Date	11/06/91
Depth MD: 6769 TVD: Same	Footage 167	Present Operations	Drilling ahead at 15-18' per hour
Days Total: 15 From Spud: 15			
Last Csg Size: 8 5/8 MD: 418 TVD:	Shoe Test —	Contract Rig	SST Rig #3
Toolpusher	R. Eberspacher	Co. Rep	M. Anthony
Last Liner Size: MD: TVD:	Top MD:	Shoe Test: —	AFE No. 08180 D
Auth. Depth	7150	Auth $	228,436
Next Csg Size: 5 1/2 MD: 7150 TVD:	Expected MW	Last Bop Test	10/22/91
Daily Cost	$3777	Cum Cost	$166,511

MUD DATA 176 Jts 5 1/2" 17.0# N-80 LT&C 8RD Csg = 7544

	Wt.	Vis.	PV	YP	Gels	API WL	HTHP	Cake API/HTHP	Solids %	Liquid % Oil/Wtr.	Sand %	MBT	Ph	Pm
IN	9.0	31	7	4	1/6	N/C	—	1/32	7%	— /	3/8 of 1%	—	9.5	
OUT					/			/		/				

	Pf/Mf	Chlorides	Ca	LGS %			Mud Vol.	Shaker Screens		Hours		Mud Eng.
IN	1.2 / 1.7	18,000	20				Hole	#1	DeSand	Cent		L. Arnold
OUT	/						Pit	#2	DeSilt	Mud Cl.		Mud Type KCL
												Daily $ $373

Chem. Used & Remarks: 10 sx Sea Mud, 2 sx Lime, 15 sx KCL, 2 sx KOH, 2 sx Gel

Cum $ $22,096

BIT & DRILLING DATA

No.	Size	Manf.	Type	Serial #	Nozzles	Depth Out	Footage	Hours	Avg. ROP	Weight	RPM	T	B
#4	7 7/8	Reed	HP53A	Rerun	3/13's	6708	467	44 1/4	10.5	45,000	65	6	E
#5	7 7/8	Reed	HP53A	M42571	3/12	#	61	3 1/2	17.4	45,000	65		

Depth	Torque, Ft. lbs. On Btm.	Off Btm.	Rot. Wt.	P.U. Wt.	S.O. Wt.	Avg. Drag	Max. Drag	Bit Dull Remarks	Bit No.	Cost
6769			185,000	188,000	183,000	3,000	5,000			

HYDRAULICS

Pump No.	Liner X Stroke	Disp. BPS	SPM	GPM	Pressure	JV	Bit Press. Drop	AV DC	AV DP	Slow Pump Data SPM	Slow Pump Data Pressure
1	5 1/2 x 15	.117	60	295	950	265	505	318	174	20	200
2	5 1/2 x 15	.117									

DIRECTIONAL/DEVIATION SURVEYS

MD	Angle	Dir.	TVD	VS	Coordinates		DL	Closure
None								
6708	2°							

TIME FROM	TO	HOURS	OPERATIONS BREAKDOWN
0500	0900	4	Drilling
0900	0930	1/2	Rig Service
0930	1530	6	Drilling
1530	2400	8 1/2	trip for bit #5
2400	0130	1 1/2	Wash & Ream 100' to bottom
0130	0500	3 1/2	Drilling

Drilling ahead from 6602' to 6708'. trip for bit #5. Wash & Ream 100' to bottom & return to drilling at 0130 H. Drilling ahead at report time with no returns.

Note

Survey @ bit trip @ 6708 = 2°

Water delivered to location

	Fresh	Brine
Previous	4035	300
Past 24 hrs.	100	0
total	4135	300

Wednesday

Lease & Well # River Bend Unit 16-19 F

Date 11/06/91

MUD LOG

Depth	MW	Est PP	Formation	BGG	CG	TG	Max Gas	Dc Exp.	Bh Dens	ROP Shale	ROP Sand
6769	9.0	—	Uteland Butte	3	—	—					

DRILLING BREAKS

Depth From	Depth To	ROP Before	ROP During	ROP After	Gas Units	Gas Mud Cut	Remarks
6596	66 8	6.5	4.0	6.5	50	9.0	
6648	6657	5.5	6.0	5.0	20	90	

BHA

BHA #	Length		Total	Below Jars	Above Jars	Rotating Hrs. Since Inspection	Rotating Hrs. Total These DC's	Rotating Hrs. Jars
#6	735.18	Air Weight	67,400			148½	148½	
		Buoyed	58,500					

Description 7⅞ bit, bit sub, & 25 6¼" x 2¼" DC's

Remarks/Reason for Change

CASING WEAR

	Cumulative Hours Rotating	Cumulative Hours Trip
Last Cog	148½	98½
Last Liner		

DRILLSTRING

Length	Size	Wt.	Gr.	Conn.	Max Pull (80% of new)
6034	4½"	16.60	E	2⅞"XH	264

Max pull w/ wt on strm: 264,000 Weak Member: 4½" 16.60 E

WEATHER

Wind CALM

Waves —

Temp. 20

Baro. —

Precip. Clear

PERSONNEL

Operator 1

Contract 5

Service

Other

Total 6

DRILLS: No. & Duration

Pit

Trip

BOP

Fire

Abandon

ACCIDENTS

Name Time & Date

Company NONE

Remarks

TIME DISTRIBUTION

Depth	6769		
Hole Section	PROD		
Phase	4		
Drill, OH, UR	13½		
Trip, Short Trip	8½		
Survey			
Rig. Serv. S & CDL	1/2		
Circ.			
Log & Eval.			
CSG & Cement			
NU, ND, Test BOP			
Other	1½		
Trouble Time			
Trouble Code			

"Other" Description Wash & Ream 100' to bottom

Trouble Time	Codes
Stuck Pipe & Fishing	SPF
Well Kick-Control	WKC
Well Control-Other	WCO
Lost Circ.	LC
Hole Problems-Other	HP
Remedial Cementing	RC
Rig Repair	RR
Drillstring Failure	DS
Other Eq. Failure	OEQ
Junk In Hole-Fishing	Junk
Wait on Weather	WOW
Wait on Other	WOO
Other	Oth

MATERIALS INVENTORY

Item	Rig	Boats Name	Boats Name
Barite			
Cement			
Drill Wtr.			
Pot Wtr			
Fuel			
Other			

LOGISTICS

Boat Current Status

REMARKS & OTHER Drilling ahead from 6602' to 6708'. trip for bit #5. Wash & ream 100' to bottom. Drilling ahead with no returns at report time.

Mike Anthony

CNG Producing Company

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DAILY DRILLING REPORT

Lease and Well No.	River Bend Unit 16-19 F	Date	Tuesday 11/05/91
Depth MD: 6602 TVD: Same	Footage 240	Present Operations	Drilling ahead at 10-12' per hour
Days Total: 14	From Spud: 14		
Last Csg Size: 8 5/8 MD: 418 TVD:	Shoe Test —	Contract Rig	SST Rig #3
Toolpusher	R. Eberspecher	Co. Rep.	M. Anthony
Last Liner Size: MD: TVD:	Top MD:	Shoe Test: —	AFE No. 08180 D
Auth. Depth	7150	Auth $	228,436
Next Csg Size: 5 1/2 MD: 7150 TVD:	Expected MW	Last Bop Test	10/22/91
Daily Cost	$4929	Cum Cost	$162,734

MUD DATA

22 Jts 5 1/2" 17.0# N-80 LT&C 8RD Csg = 943'

	Wt.	Vis.	PV	YP	Gels	API WL	HTHP	Cake API/HTHP	Solids %	Liquid % Oil/Wtr.	Sand %	MBT	Ph	Pm
IN	8.7+	32	8	5	2/5	N/C	—	4/32	6	—	3/8 4/%	—	9.0	
OUT					/			/		/				

	Pf/Mf	Chlorides	Ca	LGS %			Mud Vol.	Shaker Screens	Hours		Mug Eng.
IN	.8/1.4	16,000	10				Hole	#1	DeSand	Cent	Mud Type KCL
OUT	/						Pit	#2	DeSilt	Mud Cl.	Daily $ $315

Chem. Used & Remarks: 2 sx Lime, 30 sx KCL, 2 sx KOH, 1 sx Caustic

Cum $ $21,723

BIT & DRILLING DATA

No.	Size	Manf.	Type	Serial #	Nozzles	Depth Out	Footage	Hours	Avg. ROP	Weight	RPM	T	B	G
#4	7 7/8"	Reed	HP53A	Rerun	3/13's	ø	357	34 1/4	10.4	45,000	65			

Depth	Torque, Ft. lbs. On Btm.	Off Btm.	Rot. Wt.	P.U. Wt.	S.O. Wt.	Avg. Drag	Max. Drag	Bit Dull Remarks	Bit No.	Cost
6602			180,000	183,000	177,000	3,000	5,000			

HYDRAULICS

Pump No.	Liner X Stroke	Disp. BPS	SPM	GPM	Pressure	JV	Bit Press. Drop	AV DC	AV DP	Slow Pump Data SPM	Slow Pump Data Pressure
1	5 1/2 x 15	.117	60	245	850	245	468	314	173	20	200
2	5 1/2 x 15	.117									

DIRECTIONAL/DEVIATION SURVEYS

MD	Angle	Dir.	TVD	VS	Coordinates		DL	Closure
NONE								

TIME FROM	TO	HOURS	OPERATIONS BREAKDOWN
0500	0500	24	Drilling ahead from 6362 to 6602'
			Air services released at midnight.
			Drilling ahead at report time.
			No wear bushing!

Water delivered to location

	Fresh	Brine
Previous	3535	300
Past 24 hrs	500	0
total	4035	300

Tuesday

Lease & Well #	Date
River Bend Unit 16-19E	11/05/91

MUD LOG

Depth	MW	Est PP	Formation	BGG	CG	TG	Max Gas	Dc Exp.	Sh Dens	ROP Shale	ROP Sand
6558	8.9+	—	Uteland Butte	5	8	—	8				

DRILLING BREAKS

Depth From	Depth To	ROP Before	ROP During	ROP After	Gas Units	Gas Mud Cut	Remarks
NONE							

BHA

BHA #	Length		Total	Below Jars	Above Jars	Rotating Hrs Since Inspection	Rotating Hrs Total These DC's	Jars
		Air Weight	67,000					
#6	741.38	Buoyed	58,500			135	135	

Description: 7 7/8" bit, Junk basket, bit sub, 25 6 1/4" x 2 1/4" D.C.'s

No change in BHA

Remarks/Reason for Change

CASING WEAR

	Cumulative Hours Rotating	Cumulative Hours Trip
Last Csg	185	89 3/4
Last Liner		

DRILLSTRING

Length	Size	Wt.	Gr	Conn.	Max Pull (80% of new)
5861	4 1/2"	16.60	E	4 1/2" XH	264

Max pull w/ 1 on btm: 264,000 Weak Member: 4 1/2" 16.60 E

WEATHER

Wind	CALM
Waves	—
Temp.	20°
Baro.	—
Precip.	CLEAR

PERSONNEL

Operator	1
Contract	5
Service	2
Other	
Total	8

DRILLS: No. & Duration

Pit	
Trip	
BOP	
Fire	
Abandon	

ACCIDENTS

Name: Time & Date:

Company: NONE

Remarks

TIME DISTRIBUTION

Depth	6602		
Hole Section	PROD		
Phase	TM		
Drill, DH, UR	24		
Trip, Short Trip			
Survey			
Rig. Serv. S & CDL			
Circ.			
Log & Eval.			
CSG & Cement			
NU, ND, Test BOP			
Other			
Trouble Time			
Trouble Code			

"Other" Description

Trouble Time	Codes
Stuck Pipe & Fishing	SPF
Well Kick-Control	WKC
Well Control-Other	WCO
Lost Circ.	LC
Hole Problems-Other	HP
Remedial Cementing	RC
Rig Repair	RR
Drillstring Failure	DS
Other Eq. Failure	OEQ
Junk in Hole-Fishing	Junk
Wait on Weather	WOW
Wait on Other	WOO
Other	Oth

MATERIALS INVENTORY

Item	Rig	Boats Name	Boats Name
Barite			
Cement			
Drill Wtr			
Pot Wtr			
Fuel			
Other			

LOGISTICS

Boat Current Status

REMARKS & OTHER: Drilling ahead from 6362' to 6602'. No hole problems. No shows.

Mike Anthony

CNG Producing Company

A CNG COMPAN

Monday

DAILY DRILLING REPORT

Depth MD: 6362	TVD: same	Footage 117		Lease and Well No. Rivers Bend Unit 16-19F		Date 11/04/91	
Last Csg Size: 8 5/8	MD: 418	TVD:	Shoe Test —	Present Operations Drilling ahead at 13-15' per hr		Days Total: 13	From Spud: 13
Last Liner Size:	MD:	TVD:	Top MD:	Contract Rig SST Rig #3	Toolpusher R. Ellenspacher	Co. Rep. M. Austiberry	
Next Csg Size: 5 1/2	MD: 7150	TVD:	Expected MW	Shoe Test:	AFE No. 03180 D	Auth. Depth 7150	Auth $ 228,436
					Last Bop Test 10/22/91	Daily Cost $4142	Cum Cost 157,805

MUD DATA 22 Jts 5 1/2" 17.0# N-80 LT&C 8RD Csg = 943'

	Wt.	Vis.	PV	YP	Gels	API WL	HTHP	Cake API/HTHP	Solids %	Liquid % Oil/Wtr.	Sand %	MBT	Ph	Pm
IN	8.8	32	10	7	2/6	N/C	—	4/32	6%	—	1/4 of 1%	—	7.0	
OUT					/			/		/				

	Pf/Mf	Chlorides	Ca	LGS %			Mud Vol.	Shaker Screens	Hours		Mud Eng. L. Arnold
IN	.0 / .0	10,000	TR				Hole	#1	DeSand	Cent	Mud Type KCL
OUT	/						Pit	#2	DeSilt	Mud Cl.	Daily $ $92

Chem. Used & Remarks 20 SALT — Cum $ 21,408

BIT & DRILLING DATA

No.	Size	Manf.	Type	Serial #	Nozzles	Depth Out	Footage	Hours	Avg. ROP	Weight	RPM	T	B
#4	7 7/8	Reed	HP53	Reruns	3/13's	ø	117	10 1/4	11.4	45,000	65		

Depth	Torque, Ft. lbs. On Btm.	Off Btm.	Rot. Wt.	P.U. Wt.	S.O. Wt.	Avg. Drag	Max. Drag	Bit Dull Remarks	Bit No.	Cost
6362			175,000	177,000	172,000	3,000	5,000			

HYDRAULICS

Pump No.	Liner X Stroke	Disp. BPS	SPM	GPM	Pressure	JV	Bit Press. Drop	AV DC	AV DP	Slow Pump Data SPM	Slow Pump Data Pressure
1	5 1/2 X 15	.117	60	295	800	243	466	314	173	20	200
2	5 1/2 X 15	.117									

DIRECTIONAL/DEVIATION SURVEYS

MD	Angle	Dir.	TVD	VS	Coordinates		DL	Closure
None								

TIME FROM	TO	HOURS	OPERATIONS BREAKDOWN
0500	0630	1 1/2	Work magnet on bottom
0630	1100	4 1/2	trip out with magnet. Recover lost cone ring.
1100	1400	3	Rig repair
1400	1845	4 3/4	Trip in Hole, SLM, to T.D. at 6245' (corrected depth)
1845	0500	10 1/4	Drilling

Work magnet on bottom & trip out of hole. Recover remaining cone ring. Replace foot throttle unit & cut & slip drilling line. Trip in hole, SLM, to T.D. at 6245' (corrected depth). Return to drilling at 1845 hr. Drilling ahead at report time.

No wear bushing.

Water delivered to location

	Fresh	Brine
Previous	3535	300
Past 24 hrs	0	0
TOTAL	3535	300

Monday

ease & Well # River Bend Unit 16-19 E

Date 11/04/91

MUD LOG

Depth	MW	Est PP	Formation	BGG	CG	TG	Max Gas	Dc Exp.	[illegible] Dens	ROP Shale	ROP Sand
6356	8.8	—	Uteland Buttes	2-4	8	1300	1300				

DRILLING BREAKS

Depth From	Depth To	ROP Before	ROP During	ROP After	Gas Units	Gas Mud Cut	Remarks
NONE							

BHA

BHA #	Length		Total	Below Jars	Above Jars	Rotating Hrs. Since Inspection	Rotating Hrs. Total These DC's	Rotating Hrs. Jars
#6	741.38	Air Weight	67,400					
		Buoyed	58,500			111	111	

Description: 7 7/8" bit, junk basket, bit sub, 25 6 1/4" x 2 1/4" D.C.'s

Remarks/Reason for Change

CASING WEAR

	Cumulative Hours Rotating	Cumulative Hours Trip
Last Csg	111	89 3/4
Last Liner		

DRILLSTRING

Length	Size	Wt.	Gr	Conn.	Max Pull (80% of new)
5621	4 1/2"	16.60	E	4 1/2" XH	264

Max pull w/ bit on btm: 264,000 Weak Member: 4 1/2" 16.60 E

WEATHER

Wind: Calm
Waves: —
Temp.: 20
Baro.: —
Precip.: Clear

PERSONNEL

Operator: 1
Contract: 5
Service: 2
Other:
Total: 8

DRILLS: No. & Duration

Pit:
Trip:
BOP:
Fire:
Abandon:

ACCIDENTS

Name: Time & Date:
Company: NONE
Remarks:

TIME DISTRIBUTION

Depth	6362		
Hole Section	Prod		
Phase	M		
Drill, OH, UR	10 1/4		
Trip, Short Trip			
Survey			
Rig. Serv. S & CDL			
Circ.			
Log & Eval.			
CSG & Cement			
NU, ND, Test BOP			
Other			
Trouble Time	13 3/4		
Trouble Code	SPF		
"Other" Description			

Trouble Time	Codes
Stuck Pipe & Fishing	SPF
Well Kick-Control	WKC
Well Control-Other	WCO
Lost Circ.	LC
Hole Problems-Other	HP
Remedial Cementing	RC
Rig Repair	RR
Drillstring Failure	DS
Other Eq. Failure	OEQ
Junk in Hole-Fishing	Junk
Wait on Weather	WOW
Wait on Other	WOO
Other	Oth

MATERIALS INVENTORY

Item	Rig	Boats Name	Boats Name
Barite			
Cement			
Drill Wtr			
Pot Wtr			
Fuel			
Other			

LOGISTICS

Boat Current Status

REMARKS & OTHER

Work magnet on bottom & trip out of hole. Recover remaining cone ring. Replace foot throttle unit and cut & slip drilling line. Trip in hole, SLM, to T.D. at 6245 (corrected depth). Return to drilling at 1845H. Drilling ahead at 13-15' per hour at report time.

Mike Anthony

CNG Producing Company

A CNG COMPANY

DAILY DRILLING REPORT

Lease and Well No.: River Bend Unit 16-19F
Date: Sunday 11/03/91
Depth MD: 6212 TVD: SAME
Footage: -0-
Present Operations: Trip in hole with magnet
Days Total: 12 From Spud: 12
Last Csg Size: 8 5/8 MD: 418 TVD:
Shoe Test: —
Contract Rig: SST Rig #3
Toolpusher: R. Eberspacher
Co. Rep.: M. ANTHONY
Last Liner Size: MD: TVD:
Top MD:
Shoe Test: —
AFE No.: 081807
Auth. Depth: 7150
Auth $: 228,436
Next Csg Size: 5 1/2 MD: 7150 TVD:
Expected MW:
Last Bop Test: 10/22/91
Daily Cost: $1950
Cum Cost: $153,663

MUD DATA 22 Jts 5 1/2" 17.0# N-80 LT&C 8RD Csg = 943'

	Wt.	Vis.	PV	YP	Gels	API WL	HTHP	Cake API/HTHP	Solids %	Liquid % Oil/Wtr.	Sand %	MBT	Ph	Pm
IN	8.6+	32	8	6	2/4	N/C	—	1/32	5%	—	1/8 of 1%	—	7.5	
OUT					/			/		/				

	Pf/Mf	Chlorides	Ca	LGS %			Mud Vol.	Shaker Screens	Hours		Mud Eng.
IN	.0 / .1	8,000	TR				Hole	#1	DeSand	Cent	J. ARNOLD
OUT	/						Pit	#2	DeSilt	Mud Cl.	Mud Type KCL

Daily $: -0-
Cum $: $21,316

Chem. Used & Remarks: NONE

BIT & DRILLING DATA

No.	Size	Manf.	Type	Serial #	Nozzles	Depth Out	Footage	Hours	Avg. ROP	Weight	RPM	T	B	G
#3	7 7/8	STC	F4H	RERUN	OPEN	CLEAN out bit	—	—	—	—	—			

Depth	Torque, Ft. lbs. On Btm.	Off Btm.	Rot. Wt.	P.U. Wt.	S.O. Wt.	Avg. Drag	Max. Drag	Bit Dull Remarks	Bit No.	Cost
6212			171,000	190,000	140,000	15,000	50,000			

HYDRAULICS

Pump No.	Liner X Stroke	Disp. BPS	SPM	GPM	Pressure	JV	Bit Press. Drop	AV DC	AV DP	Slow Pump Data SPM	Slow Pump Data Pressure
1	5 1/2 X 15	.117	60	295							
2	5 1/2 X 15	.117									

DIRECTIONAL/DEVIATION SURVEYS

MD	Angle	Dir.	TVD	VS	Coordinates		DL	Closure
NONE								

TIME FROM	TO	HOURS	OPERATIONS BREAKDOWN
0500	0900	4	trip in hole with magnet
0900	1100	2	Work magnet on bottom
1100	1500	4	Trip out with magnet - Recover one cone & a nose cone. 1 cone remains
1500	1815	3 1/4	trip in hole
1815	1945	1 1/4	Work magnet on bottom
1945	2400	4 1/4	trip out with magnet - Recover one nose cone. 1 cone ring remains
2400	0100	1	Service Rig
0100	0500	4	trip in hole with magnet

trip in hole with magnet & work magnet on bottom. trip out of hole and recover one cone & a nose cone. trip in hole with magnet + work magnet on bottom. trip out of hole & recover a nose cone. One cone ring remains. trip in hole with magnet at report time.

No wear bushing!

Water delivered to location

	Fresh	Brine
Previous	3535	300
Past 24 hrs	0	0
total	3535	300

Sunday

Lease & Well #	Date
River Bend Unit 16-19F	11/03/91

MUD LOG

Depth	MW	Est PP	Formation	BGG	CG	TG	Max Gas	Dc Exp.	Sh Dens	ROP Shale	ROP Sand
6212	8.5	–	WASATCH	–	–	375	375				

DRILLING BREAKS

Depth From	Depth To	ROP Before	ROP During	ROP After	Gas Units	Gas Mud Cut	Remarks
NONE							

BHA

BHA #	Length		Total	Below Jars	Above Jars	Rotating Hrs Since Inspection	Rotating Hrs Total These DC's	Jars
#5	764.23	Air Weight	69,500					
		Buoyed	60,500			100 3/4	100 3/4	

Description: 7 7/8" bit, bit sub, 25 6 1/4" x 2 1/4" DC's

Remarks/Reason for Change

CASING WEAR

	Cumulative Hours Rotating	Cumulative Hours Trip
Last Dog	100 3/4	80 1/2
Last Liner		

DRILLSTRING

Length	Size	Wt.	Gr.	Conn.	Max Pull (80% of new)
5448	4 1/2"	16.60	E	4 1/2" XH	264

Max pull w/ bit on btm: 264,000 Weak Member: 4 1/2" 16.60 E

WEATHER

Wind: Calm
Waves: –
Temp.: 20°
Baro.: –
Precip.: CLEAR

PERSONNEL

Operator: 1
Contract: 5
Service: 1
Other:
Total:

DRILLS: No. & Duration

Pit:
Trip:
BOP:
Fire:
Abandon:

ACCIDENTS

Name: Time & Date:
Company: NONE
Remarks:

TIME DISTRIBUTION

Depth	6212		
Hole Section	PROD		
Phase	M		
Drill, OH, UR			
Trip, Short Trip			
Survey			
Rig. Serv. S & CDL			
Circ.			
Log & Eval.			
CSG & Cement			
NU ND, Test BOP			
Other			
Trouble Time	24		
Trouble Code	SPF		

"Other" Description: 19 1/2 trip, 3 1/2 work fishing tool, + 1 Service Rig.

Trouble Time	Codes
Stuck Pipe & Fishing	SPF
Well Kick-Control	WKC
Well Control-Other	WCO
Lost Circ.	LC
Hole Problems-Other	HP
Remedial Cementing	RC
Rig Repair	RR
Drillstring Failure	DS
Other Eq. Failure	OEQ
Junk In Hole-Fishing	Junk
Wait on Weather	WOW
Wait on Other	WOO
Other	Oth

MATERIALS INVENTORY

Item	Rig	Boats Name	Boats Name
Barite			
Cement			
Drill Wtr.			
Pot Wtr.			
Fuel			
Other			

LOGISTICS

Boat Current Status

REMARKS & OTHER

Trip in hole & work magnet on bottom. Trip out of hole & recover one core & a nose core. 1 core remains in hole. Trip in hole with magnet & work magnet on bottom. Trip out & recover one nose core. One core ring remains in hole. Trip in hole with magnet at report time.

Mike Anthony

CNG Producing Company

A CNG COMPAN

Saturday

DAILY DRILLING REPORT

Lease and Well No. River Bend Unit 16-19F			Date 11/02/91
Depth MD: 6212 TVD: SAME	Footage -0-	Present Operations Trip out of hole for magnet	Days Total: 11 From Spud: 4
Last Csg Size: 8 5/8 MD: 418 TVD:	Shoe Test —	Contract Rig SST Rig #3	Toolpusher R. Eberspecher / Co. Rep. M. Anthony
Last Liner Size: MD: TVD:	Top MD:	Shoe Test: / AFE No. 08180D	Auth. Depth 7150 / Auth $ 228,436
Next Csg Size: 5 1/2 MD: 7150 TVD:	Expected MW	Last Bop Test 10/22/91	Daily Cost $13,359 / Cum Cost $151,713

MUD DATA 22 Jts 5 1/2" 17.0# N-80 LT+C 8RD Csg = 943

	Wt.	Vis.	PV	YP	Gels	API WL	HTHP	Cake API/HTHP	Solids %	Liquid % Oil/Wtr.	Sand %	MBT	Ph	Pm
IN	87	34	12	8	2/6	N/C	—	9/32	5%	—	1/4 of 1%	—	8.0	
OUT					/			/		/				

	Pf/Mf	Chlorides	Ca	LGS %			Mud Vol.	Shaker Screens	Hours		Mug Eng. S. Arnold
IN	.0 / .3	9000	10				Hole	#1	DeSand	Cent	Mud Type KCL
OUT	/						Pit	#2	DeSilt	Mud Cl.	Daily $ $11,003

Chem. Used & Remarks 179 Cedar Fiber, 150 Sea Mud, 187 Stop loss, 120 gel, 20 Unidrill — Cum $ $21,316

BIT & DRILLING DATA

No.	Size	Manf.	Type	Serial #	Nozzles	Depth Out	Footage	Hours	Avg. ROP	Weight	RPM	T	B	C
#3	7 7/8	STC	F4H	Rerun	open	clean out bit		—	—	—	—			

Depth	Torque, Ft. lbs. On Btm.	Off Btm.	Rot. Wt.	P.U. Wt.	S.O. Wt.	Avg. Drag	Max. Drag	Bit Dull Remarks	Bit No.	Cost
6212			171,000	190,000	140,000	15,000	50,000			

HYDRAULICS

Pump No.	Liner X Stroke	Disp. BPS	SPM	GPM	Pressure	JV	Bit Press. Drop	AV DC	AV DP	Slow Pump Data SPM	Slow Pump Data Pressure
1	5 1/2 x 15	.117	60	295	400	26	5.14	314	173	40	200
2	5 1/2 x 15	.117									

DIRECTIONAL/DEVIATION SURVEYS

MD	Angle	Dir.	TVD	VS	Coordinates		DL	Closure
None								

TIME FROM	TO	HOURS	OPERATIONS BREAKDOWN
0500	2300	18	Circulate & condition hole to T.D. at 6212.
2300	0500	6	trip out of hole to pick up magnet
			Circulate & condition hole + stop loss circulation zone. Circulating hole with out air services at 1900H. Circulate & condition hole until 2300H & trip out for magnet.
			No wear bushing!

Water delivered to location

	Fresh	Brine
Previous	3535	300
Past 24hrs	0	0
TOTAL	3535	300

Saturday

ase & Well #	River Bend Unit 16-19 E	Date 11/02/91

MUD LOG

Depth	MW	Est PP	Formation	BGG	CG	TG	Max Gas	Dc Exp	Sh Dens	ROP Shale	ROP Sand
6212	8.5	—	WASATCH	—	—	375	375				

DRILLING BREAKS

Depth From	Depth To	ROP Before	ROP During	ROP After	Gas Units	Gas Mud Cut	Remarks
NONE							

BHA

BHA #	Length		Total	Below Jars	Above Jars	Rotating Hrs. Since Inspection	Total These DC's	Jars
		Air Weight	69,500					
#5	764.23	Buoyed	60,500			100 3/4	100 3/4	

Description: 7 5/8" bit, bit sub, 25 6 1/4" x 2 1/4" D.C's

Remarks/Reason for Change

CASING WEAR	Cumulative Hours Rotating	Cumulative Hours Trip
Last Csg	100 3/4	61
Last Liner		

DRILLSTRING

Length	Size	Wt.	Gr.	Conn.	Max Pull (80% of new)
5458	4 1/2"	16.60	E	4 1/2" XH	264

Max pull w/ 1 on btm: 264,000 Weak Member: 4 1/2" 16.60 E

TIME DISTRIBUTION

				Trouble Time	Codes
Depth	6212			Stuck Pipe & Fishing	SPF
Hole Section	PROD			Well Kick-Control	WKC
Phase	M			Well Control-Other	WCO
Drill, OH, UR				Lost Circ.	LC
Trip, Short Trip				Hole Problems-Other	HP
Survey				Remedial Cementing	RC
Rig. Serv. S & CDL				Rig Repair	RR
Circ.				Drillstring Failure	DS
Log & Eval.				Other Eq. Failure	OEQ
CSG & Cement				Junk in Hole-Fishing	Junk
NU, ND, Test BOP				Wait on Weather	WOW
Other				Wait on Other	WOO
Trouble Time	24			Other	Oth
Trouble Code	SPF				

"Other" Description

WEATHER

Wind	CALM
Waves	—
Temp.	20°
Baro.	—
Precip.	CLEAR

PERSONNEL

Operator	1
Contract	5
Service	2
Other	
Total	7

DRILLS: No. & Duration

Pit	
Trip	
BOP	
Fire	
Abandon	

ACCIDENTS

Name: Time & Date:

Company: NONE

Remarks

MATERIALS INVENTORY

Item	Rig	Boats Name	Boats Name
Barite			
Cement			
Drill Wtr.			
Pot Wtr.			
Fuel			
Other			

LOGISTICS

Boat Current Status

REMARKS & OTHER

Circulate & condition hole to TD. @ 6212'. Lost Circulation zone sealed off & were able to circulate hole with out air services at 1900H. Circulate & condition hole until 2300H. trip out of hole to pick up magnet.

Mike Anthony

CNG Producing Company

A CNG COMPAN

DAILY DRILLING REPORT

Lease and Well No. River Bend Unit 16-19			Date 11/01/91
Depth MD: 6212 TVD: Same	Footage -0-	Present Operations Circulate & condition hole	Days Total: 10 From Spud: 10
Last Csg Size: 8 5/8 MD: 418 TVD:	Shoe Test	Contract Rig SST Rig #3	Toolpusher R. Eberspecher
Last Liner Size: MD: TVD:	Top MD:	Shoe Test:	AFE No. 081800
Next Csg Size: 5 1/2 MD: 7150 TVD:	Expected MW	Last Bop Test 10/22/91	Daily Cost $3352
Co. Rep. M. Anthony	Auth. Depth 7150	Auth $ 228,436	Cum Cost $ 138,354

MUD DATA 22 Jts 5 1/2" 17.0# N-80 LT&C 8RD Csg = 944.3

	Wt.	Vis.	PV	YP	Gels	API WL	HTHP	Cake API/HTHP	Solids %	Liquid % Oil/Wtr.	Sand %	MBT	Ph	Pm
IN	8.4	28			/			/		/			8.5	
OUT	EMW = 5.0				/			/		/				

	Pf/Mf	Chlorides	Ca	LGS %			Mud Vol.	Shaker Screens	Hours		Mud Eng. S. Arnold
IN	.4 / 1.9	10,000	20				Hole	#1	DeSand	Cent	Mud Type KCL
OUT	/						Pit	#2	DeSilt	Mud Cl.	Daily $ $692

Chem. Used & Remarks 5 Uni Drill

Cum $ $10,313

BIT & DRILLING DATA

No.	Size	Manf.	Type	Serial #	Nozzles	Depth Out	Footage	Hours	Avg. ROP	Weight	RPM	T	B	G
#3	7 7/8	STC	F44	Rerun	OPEN	Clean out bit	—	—	—	—	—			

Depth	Torque, Ft. lbs. On Btm.	Off Btm.	Rot. Wt.	P.U. Wt.	S.O. Wt.	Avg. Drag	Max. Drag	Bit Dull Remarks	Bit No.	Cost
6212			171,000	190,000	140,000	15,000	50,000			

HYDRAULICS

Pump No.	Liner X Stroke	Disp. BPS	SPM	GPM	Pressure	JV	Bit Press. Drop	AV DC	AV DP	Slow Pump Data SPM	Slow Pump Data Pressure
1	5 1/2 x 15	.117	60	295	100					20	200
2	5 1/2 x 15	.117				Aerated fluid at 700		CA/47 MIN			

DIRECTIONAL/DEVIATION SURVEYS

MD	Angle	Dir.	TVD	VS	Coordinates		DL	Closure
NONE								

TIME FROM	TO	HOURS	OPERATIONS BREAKDOWN
0500	0900	4	Pick up fishing tools
0900	1400	5	Trip in hole & catch fish at 2575' and jar on fish. Pull fish free.
1400	1600	2	Chain out & lay down fishing tools
1600	1900	3	Trip out - No lost cones from twist off
1900	0100	6	Inspect (magnaflux) BHA.
0100	0500	4	Trip in hole, SLM, to circulate & condition hole before magnet run.
			Pick up overshot, bumper sub, & jars and 4 6 1/4" x 2 1/4" D.C.'s off rack &
			Trip in hole on drill pipe. Cutted fish at 2575. Jar & pump fish free.
			Chain out of hole & lay down fishing tools. Trip out of hole with drill stem
			No cone loss after twist off. Inspect BHA & trip in hole to circulate &
			condition hole prior to magnet run. Circulating from ± 5200 at report time.
			No mass backing!

Water delivered to location

	Fresh	Brine
Previous	3235	300
Past 24 hrs	300	0
TOTAL	3535	300

Lease & Well #	River Bend Unit 16-19 E	Date 11/01/91

MUD LOG

Depth	MW	Est PP	Formation	BGG	CG	TG	Max Gas	Dc Exp.	Sh Dens	ROP Shale	ROP Sand
6212	8.4	–	WASATCH	–	–	375	375				

DRILLING BREAKS

Depth From	Depth To	ROP Before	ROP During	ROP After	Gas Units	Gas Mud Cut	Remarks
NONE							

BHA

BHA #	Length		Total	Below Jars	Above Jars	Rotating Hrs. Since Inspection	Rotating Hrs. Total These DC's	Rotating Hrs. Jars
#5	764.23	Air Weight	69,500			100 3/4	100 3/4	
		Buoyed	60,500					

Description: 7 7/8" bit, bit sub, 25 6 1/4" x 2 1/4" DC's

CASING WEAR

	Cumulative Hours Rotating	Cumulative Hours Trip
Last Csg	100 3/4	55
Last Liner		

Remarks/Reason for Change

DRILLSTRING

Length	Size	Wt.	Gr.	Conn.	Max Pull (60% of new)
5458	4 1/2"	16.60	E	4 1/2" X4	264

Max pull w/ wt on btm: 264,000 Weak Member: 4 1/2" 16.60 E

WEATHER

Wind	CALM
Waves	–
Temp.	± 10°
Aero.	–
Precip.	CLEAR

PERSONNEL

Operator	1
Contract	5
Service	
Other	
Total	6

DRILLS: No. & Duration

Pit	
Trip	
BOP	
Fire	
Abandon	

ACCIDENTS

Name: Time & Date:

Company:

Remarks: NONE

TIME DISTRIBUTION

Depth	6212		
Hole Section	PROD		
Phase	M		
Drill, OH, UR			
Trip, Short Trip			
Survey			
Rig. Serv. S & CDL			
Circ.			
Log & Eval.			
CSG & Cement			
NU, ND, Test BOP			
Other			
Trouble Time	24		
Trouble Code	SPF		

Trouble Time	Codes
Stuck Pipe & Fishing	SPF
Well Kick-Control	WKC
Well Control-Other	WCO
Lost Circ.	LC
Hole Problems-Other	HP
Remedial Cementing	RC
Rig Repair	RR
Drillstring Failure	DS
Other Eq. Failure	OEQ
Junk in Hole-Fishing	Junk
Wait on Weather	WOW
Wait on Other	WOO
Other	Oth

"Other" Description

MATERIALS INVENTORY

Item	Rig	Boats Name	Boats Name
Barite			
Cement			
Drill Wtr			
Pot Wtr.			
Fuel			
Other			

LOGISTICS

Boat Current Status

REMARKS & OTHER: Pick up fishing tools & trip in hole with 4 6 1/4" x 2 1/4" DC's on drill pipe. Catch fish at 2595. Jar & circulate fish free. Chain out & lay down fishing tools. Trip out of hole. No cone lose after twist off. Inspect BHA & trip in hole to circulate & condition hole prior to magnet run. Circulating from ±5200' at report time.

Mike Anthony

CNG Producing Company

A CNG COMPA

DAILY DRILLING REPORT

Lease and Well No.	River Bend Unit 16-19F				Date 10/31/91
Depth MD: 6212	TVD: SAME	Footage -0-	Present Operations	Trip out of hole for fishing tools	Days Total: 9 From Spud: 9
Last Csg Size: 8 5/8	MD: 418 TVD:	Shoe Test —	Contract Rig	SST Rig #3	Toolpusher R. ARNOLD
Last Liner Size:	MD: TVD:	Top MD:	Shoe Test:	AFE No. 078100	Auth. Depth 7150
Next Csg Size: 5 1/2	MD: 7150 TVD:	Expected MW		Last Bop Test 10/22/91	Daily Cost $6693

Co. Rep. M. ANTHONY

Auth $ 228,436

Cum Cost $135,002

MUD DATA

22 Jts 5 1/2" 17.0# N-80 LT+C 8RD Csg : 943

	Wt.	Vis.	PV	YP	Gels	API WL	HTHP	Cake API/HTHP	Solids %	Liquid % Oil/Wtr.	Sand %	MBT	Ph	Pm
IN	8.4	28			/			/		/			9.5	
OUT					/			/		/				

	Pf/Mf	Chlorides	Ca	LGS %			Mud Vol.	Shaker Screens	Hours		Mud Eng. J. ARNOLD
IN	1.3 / 1.7	10,000	20				Hole	#1	DeSand	Cent	Mud Type KCL
OUT	/						Pit	#2	DeSilt	Mud Cl.	Daily $ $3585

Chem. Used & Remarks: 150 Cedar Fiber, 120 Sea Mud, 3 Alcomer, 3 Unidrill

Cum $ $9620

BIT & DRILLING DATA

No.	Size	Manf.	Type	Serial #	Nozzles	Depth Out	Footage	Hours	Avg. ROP	Weight	RPM	T	B
#3	7 7/8	STC	F4H	Reame #1	3/14's	Clean out	—	—	—	—	—		

Depth	Torque, Ft. lbs. On Btm.	Torque, Ft. lbs. Off Btm.	Rot. Wt.	P.U. Wt.	S.O. Wt.	Avg. Drag	Max. Drag	Bit Dull Remarks	Bit No.	Cost
6212			171,000	190,000	190,000	15,000	50,000			

HYDRAULICS

Pump No.	Liner X Stroke	Disp. BPS	SPM	GPM	Pressure	JV	Bit Press. Drop	AV DC	AV DP	Slow Pump Data SPM	Slow Pump Data Pressure
1	5 1/2 x 15	.117	60	295							
2	5 1/2 x 15	.117									

DIRECTIONAL/DEVIATION SURVEYS

MD	Angle	Dir.	TVD	VS	Coordinates		DL	Closure
None								

TIME FROM	TIME TO	HOURS	OPERATIONS BREAKDOWN
0500	0100	20	Circulate & condition hole and work and ream from 5400' to T.D. @ 6212'.
	0100		twist off drill string
0100	0400	3	Circulate & condition hole - Wait on crew
0400	0500	1	trip out of hole to pick up fishing assembly.
			Trip in hole to 5900', circulate & condition hole, and work & ream down to
			T.D. at 6212'. The rig had problems with pump pressure starting about
			1100. No soft line markers were pumped. The rig twisted off at 0100
			& had to wait on additional hands to trip out. Trip out for fishing
			tools at report time.
			No wear bushing!
			Water delivered to location
			Fresh Brine
			Previous 2635 300
			Past 24 hrs 600 0
			TOTAL 3235 300

se & Well # River Bend Unit 16-19 F

Date 10/31/91

UD LOG

Depth	MW	Est PP	Formation	BGG	CG	TG	Max Gas	Dc-Exp.	Sh Dens	ROP Shale	ROP Sand
212	8.4	–	WASATCH	–	–	375	375				

DRILLING BREAKS

Depth From	Depth To	ROP Before	ROP During	ROP After	Gas Units	Gas Mud Cut	Remarks
NONE							

HA

HA #	Length		Total	Below Jars	Above Jars	Rotating Hrs. Since Inspection	Rotating Hrs. Total These DC's	Jars
9	764.23	Air Weight	69,500					
		Buoyed	60,500			100 3/4	100 3/4	

Description: 9 7/8" bit, bit sub, 25 6 1/4" x 2 1/4" D.C.'s

CASING WEAR

	Cumulative Hours Rotating	Cumulative Hours Trip
Last Csg	100 3/4	37
Last Liner		

Remarks/Reason for Change

DRILLSTRING

Length	Size	Wt.	Gr.	Conn.	Max Pull (80% of new)
458	4 1/2"	16.60	E	4 1/2" XH	269

Max pull w/ on btm: 264,000 Weak Member: 4 1/2" 16.60 E

WEATHER

Wind: Calm
Waves: –
Temp.: ± 10°
Vis.: –
Precip.: Light Snow

PERSONNEL

Operator	1
Contract	5
Service	1
Other	
Total	7

DRILLS: No. & Duration

Pit	
Trip	
BOP	
Fire	
Abandon	

ACCIDENTS

Name: Time & Date:
Company: NONE
Remarks:

TIME DISTRIBUTION

Depth	6212		
Hole Section	PROD		
Phase	M		
Drill, OH, UR			
Trip, Short Trip	1		
Survey			
Rig. Serv. S & CDL			
Circ.	23		
Log & Eval.			
CSG & Cement			
NU, ND, Test BOP			
Other			
Trouble Time	24		
Trouble Code	Junk		

"Other" Description:

Trouble Time	Codes
Stuck Pipe & Fishing	SPF
Well Kick-Control	WKC
Well Control-Other	WCO
Lost Circ.	LC
Hole Problems-Other	HP
Remedial Cementing	RC
Rig Repair	RR
Drillstring Failure	DS
Other Eq. Failure	OEQ
Junk in Hole-Fishing	Junk
Wait on Weather	WOW
Wait on Other	WOO
Other	Oth

MATERIALS INVENTORY

Item	Rig	Boats Name	Boats Name
Barite			
Cement			
Drill Wtr.			
Pot Wtr.			
Fuel			
Other			

LOGISTICS

Boat Current Status

REMARKS & OTHER: Trip in hole to 5400'. Circulate & condition hole and wash & ream to T.D. @ 6212'. Problems with pump pressure & ability to wash & ream pts down. Rig twisted off at 0100. Wait on hands until 0400 to Trip out of hole. Tripping for fishing assembly at report time.
Note - No soft line markers were pumped in regard to loss of pump pressure.

Mike Anthony

CNG Producing Company

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DAILY DRILLING REPORT

Lease and Well No. River Bend Unit 16-19F					Date 10/30/91
Depth MD: 6212	TVD: SAME	Footage 0 —	Present Operations Fishing for cones —		Days Total: 8 From Spud: 8
Last Csg Size: 8 5/8	MD: 418	TVD:	Shoe Test	Contract Rig SST Rig #3	Toolpusher R. ARNOLD	Co. Rep. M. HUTHOOG
Last Liner Size:	MD:	TVD:	Top MD:	Shoe Test:	AFE No. 081807	Auth. Depth 7150	Auth $ 228,436
Next Csg Size: 5 1/2	MD: 7150	TVD:	Expected MW		Last Bop Test 10/22/91	Daily Cost $ 2778	Cum Cost $ 128,309

MUD DATA 22 jts 5 1/2" 17.0# N-80 LT&C 8RD Csg = 943

	Wt.	Vis.	PV	YP	Gels	API WL	HTHP	Cake API/HTHP	Solids %	Liquid % Oil/Wtr.	Sand %	MBT	Ph	Pm
IN	8.4	28			/			/		/			9.0	
OUT	EMW=5.6				/			/		/				

	Pf/Mf	Chlorides	Ca	LGS %			Mud Vol.	Shaker Screens		Hours		Mud Eng.
IN	1.0/1.4	11,000	10				Hole	#1	DeSand	Cent		J. ARNOLD
OUT	/						Pit	#2	DeSilt	Mud Cl.		Mud Type KCL
Chem. Used & Remarks	NONE											Daily $ - 0 -
												Cum $ $ 6035

BIT & DRILLING DATA

No.	Size	Manf.	Type	Serial #	Nozzles	Depth Out	Footage	Hours	Avg. ROP	Weight	RPM	T	B	G
#2	7 7/8	Reed	HP53A	699235	3/14's	6212	950	30 1/4	31.4	45,000	75			

Depth	Torque, Ft. lbs. On Btm.	Off Btm.	Rot. Wt.	P.U. Wt.	S.O. Wt.	Avg. Drag	Max. Drag	Bit Dull Remarks	Bit No.	Cost
6212			171,000	173,000	169,000	2,000	3,000			

HYDRAULICS

Pump No.	Liner X Stroke	Disp. BPS	SPM	GPM	Pressure	JV	Bit Press. Drop	AV DC	AV DP	Slow Pump Data SPM	Slow Pump Data Pressure
1	5 1/2 X 15	.117	60	295	600					20	200
2	5 1/2 X 15	.117				Aerated fluid at 500 cfm/4T min					

DIRECTIONAL/DEVIATION SURVEYS

MD	Angle	Dir.	TVD	VS	Coordinates		DL	Closure
NONE								

TIME FROM	TO	HOURS	OPERATIONS BREAKDOWN
0500	0730	2 1/2	Working fishing tools on bottom
0730	0800	1/2	Stand kelly back & trip out with 1 stand DP
0800	2000	12	Work stuck drill pipe
2000	0200	6	trip out. Recover only 90% of one cone. two remain in the hole.
0200	0600	3	trip in with some fishing assembly.
			Work fishing tools on bottom. Stand kelly back & start to trip out.
			Drill string stuck at a total depth of 6150'. Circulate & condition hole
			& work drill string. Drill string worked free at 2000 H. Trip out
			with fishing tools and recover one partial cone. Fishing tools indicate
			that the drill string was stuck from a cone being beside the
			fishing tools. Trip in hole with some fishing assembly. Working fishing
			tools at report time.
			No wear bushing!
			Water delivered to location
			Fresh Brine
			Previous 2235 300
			Past 24 hrs 380 0
			Total 2635 300

Lease & Well # River Bend Unit 16-19 F

Date 10/30/91

MUD LOG

Depth	MW	Est PP	Formation	BGG	CG	TG	Max Gas	Dc Exp.	Sh Dens	ROP Shale	ROP Sand
6212	8.4	–	WASATCH	–	–	375					

DRILLING BREAKS

Depth From	Depth To	ROP Before	ROP During	ROP After	Gas Units	Gas Mud Cut	Remarks
NONE							

BHA

BHA #	Length		Total	Below Jars	Above Jars	Rotating Hrs. Since Inspection	Total These DC's	Jars
3	768	Air Weight	69,500			100 3/4	100 3/4	
		Buoyed	60,500					

Description: Globe basket, reversing sub, junk basket, 25 6 1/4" x 2 1/4" DC's

Remarks/Reason for Change

CASING WEAR

	Cumulative Hours Rotating	Cumulative Hours Trip
Last Cog	100 3/4	36
Last Liner		

DRILLSTRING

Length	Size	Wt.	Gr	Conn.	Max Pull (80% of new)
5458	4 1/2"	16.60	E	4 1/2" XH	264

Max pull w/ it on btm: 264,000 Weak Member: 4 1/2" 16.60 E

WEATHER

Wind: Calm
Waves: –
Temp.: 10°
Baro.: –
Precip.: Snowy

PERSONNEL

Operator: 1
Contract: 5
Service: 3
Other:
Total: 9

DRILLS: No. & Duration

Pit:
Trip:
BOP:
Fire:
Abandon:

ACCIDENTS

Name: Time & Date:
Company: NONE
Remarks:

TIME DISTRIBUTION

				Trouble Time	Codes
Depth	6212			Stuck Pipe & Fishing	SPF
Hole Section	PROD			Well Kick-Control	WKC
Phase	M			Well Control-Other	WCO
Drill, OH, UR				Lost Circ.	LC
Trip, Short Trip				Hole Problems-Other	HP
Survey				Remedial Cementing	RC
Rig. Serv. S & CDL				Rig Repair	RR
Circ.				Drillstring Failure	DS
Log & Eval.				Other Eq. Failure	OEQ
CSG & Cement				Junk in Hole-Fishing	Junk
NU, ND, Test BOP				Wait on Weather	WOW
Other				Wait on Other	WOO
Trouble Time	24			Other	Oth
Trouble Code	SPF				

"Other" Description

MATERIALS INVENTORY

Item	Rig	Boats Name	Boats Name
Barite			
Cement			
Drill Wtr			
Pot Wtr			
Fuel			
Other			

LOGISTICS

Boat Current Status

REMARKS & OTHER

Work fishing tools on bottom. Stand back kelly & start to trip out of hole. Drill string stuck at 4150'. Work stuck drill string & circulate & condition hole. Drill string free at 2000H. Trip out & recover 1 partial cone. Drill string stuck from cone being beside fishing tools. Trip in with some fishing assembly. Working fishing tools at report time.

Mike Anthony

CNG Producing Company — A CNG COMPANY

DAILY DRILLING REPORT

Lease and Well No.	Rivers Bend Unit 16-19F				Date 10/29/91
Depth MD: 6212	TVD: Same	Footage 192	Present Operations: Fishing for cones (3) of bit #2		Days Total: 7 From Spud: 7
Last Csg Size: 8 5/8	MD: 418 TVD:	Shoe Test	Contract Rig: SST Rig #3	Toolpusher: R. Arnold	Co. Rep: M. Anthony
Last Liner Size:	MD: TVD:	Top MD: Shoe Test:	AFE No.: 08180D	Auth. Depth: 7150	Auth $: 228,436
Next Csg Size: 5 1/2	MD: 7150 TVD:	Expected MW	Last Bop Test: 10/22/91	Daily Cost: $5250	Cum Cost: $125,531

MUD DATA 22 Jts 5 1/2" 17.0# N-80 LT&C 8RD Csg = 943'

	Wt.	Vis.	PV	YP	Gels	API WL	HTHP	Cake API/HTHP	Solids %	Liquid % Oil/Wtr.	Sand %	MBT	Ph	Pm
IN	8.4	28			/			/		/			9.5	
OUT	EMW: 5.1				/			/		/				

	Pf/Mf	Chlorides	Ca	LGS %			Mud Vol.	Shaker Screens	Hours		Mud Eng.
IN	1.3 / 1.9	12,000	20				Hole	#1	DeSand	Cent	Mud Type KCL
OUT	/						Pit	#2	DeSilt	Mud Cl.	Daily $ $691

Chem. Used & Remarks: 10 Cedar Fiber, 8 Lime, 20 KCL, 75 gm F-450, 1 Vis Drill — Cum $ $6035

BIT & DRILLING DATA

No.	Size	Manf.	Type	Serial #	Nozzles	Depth Out	Footage	Hours	Avg. ROP	Weight	RPM	T	B	G
#2	7 7/8	Reed	HP53A	W99235	3/14's	6212	950	30 1/4	31.4	45,000	75	—	—	—

Depth	Torque, Ft. lbs. On Btm.	Off Btm.	Rot. Wt.	P.U. Wt.	S.O. Wt.	Avg. Drag	Max. Drag	Bit Dull Remarks	Bit No.	Cost
6212			171,000	193,000	169,000	2,000	3,000	three cones were run off bit #2		

HYDRAULICS

Pump No.	Liner X Stroke	Disp. BPS	SPM	GPM	Pressure	JV	Bit Press. Drop	AV DC	AV DP	Slow Pump Data SPM	Slow Pump Data Pressure
1	5 1/2 x 15	.117	60	295	600					20	200
2	5 1/2 x 15	.117				Aerated fluid at 100 cf/ft per min					

DIRECTIONAL/DEVIATION SURVEYS

MD	Angle	Dir.	TVD	VS	Coordinates		DL	Closure
6028	1°							

TIME FROM	TO	HOURS	OPERATIONS BREAKDOWN
0500	0530	1/2	Drilling
0530	0600	1/2	Survey at 6028 = 1°
0600	1330	7 1/2	Drilling
1330	1500	1 1/2	Circulate & condition hole
1500	2100	6	trip for bit #3
2100	0500	8	Pick up globe basket & junk basket and trip in hole on drillpipe & drill collars.
			Bit #2 tagged up at 1330 H. Circulate & condition hole & trip for bit #2.
			Left three cones in the hole. Pick up globe basket & junk basket and
			trip in hole. Working fishing tools at report time.
			No wear bushing!

Water delivered to location

	Fresh	Brine
Previous	2255	300
Past 24 hrs	0	0
TOTAL	2255	300

Lease & Well # River Bend Unit 16-19 E

Date 10/29/91

MUD LOG

Depth	MW	Est PP	Formation	BGG	CG	TG	Max Gas		Sh Dens	ROP Shale	ROP Sand
6212	8.4	—	WASATCH	5-10	60-90	—	100				

DRILLING BREAKS

Depth From	Depth To	ROP Before	ROP During	ROP After	Gas Units	Gas Mud Cut	Remarks
5950	5962	1.5	0.5	2.0	N/A	Air	
6026	6034	2.0	0.8	2.0	100	Air	
6040	6058	2.0	0.8	2.0	100	Air	

BHA

BHA #	Length		Total	Below Jars	Above Jars	Rotating Hrs. Since Inspection	Total These DC's	Jars
#2	764.23	Air Weight	69,500			100 3/4	100 3/4	
		Buoyed	60,500					

Description 7 7/8" bit, bit sub, 25 6 1/4" x 2 1/4" D.C.'s
No change in BHA.

Remarks/Reason for Change

CASING WEAR

	Cumulative Hours Rotating	Cumulative Hours Trip
Last Csg	100 3/4	26 1/2
Last Liner		

DRILLSTRING

Length	Size	Wt.	Gr.	Conn.	Max Pull (80% of new)
5458	4 1/2"	16.60	E	4 1/2" XH	264

Max pull w/ wt on btm: 264,000 Weak Member: 4 1/2" 16.60 E

WEATHER

Wind Calm
Waves —
Temp. 20°
Baro. —
Precip. Clouds

PERSONNEL

Operator	1
Contract	5
Service	2
Other	
Total	8

DRILLS: No. & Duration

Pit	
Trip	
BOP	
Fire	
Abandon	

ACCIDENTS

Name Time & Date
Company None
Remarks

TIME DISTRIBUTION

Depth	6212		
Hole Section	Prod		
Phase	N		
Drill, DH, UR	8		
Trip, Short Trip	14		
Survey	1/2		
Rig. Serv. S & CDL			
Circ.	1 1/2		
Log & Eval.			
CSG & Cement			
NU, ND, Test BOP			
Other			
Trouble Time			
Trouble Code			

"Other" Description

Trouble Time	Codes
Stuck Pipe & Fishing	SPF
Well Kick-Control	WKC
Well Control-Other	WCO
Lost Circ.	LC
Hole Problems-Other	HP
Remedial Cementing	RC
Rig Repair	RR
Drillstring Failure	DS
Other Eq. Failure	OEQ
Junk in Hole-Fishing	Junk
Wait on Weather	WOW
Wait on Other	WOO
Other	Oth

MATERIALS INVENTORY

Item	Rig	Boats Name	Boats Name
Barite			
Cement			
Drill Wtr.			
Pot Wtr.			
Fuel			
Other			

LOGISTICS

Boat Current Status

REMARKS & OTHER Drilling ahead from 6020' to 6212'. Trip for bit #2 & left 2 cones in the hole. Pick up globe basket & junk basket & Trip in hole on DP & DC. Working fishing tools at report time.

Mike Anthony

CNG Producing Company

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DAILY DRILLING REPORT

Lease and Well No.	River Bend Unit 16-19 F	Date	10/28/91
Depth MD: 6020 TVD: SAME	Footage 491	Present Operations	Drilling at 38'-40' per hour
Days Total: 6 From Spud: 6		Last Csg Size: 8 5/8 MD: 418 TVD:	Shoe Test
Contract Rig	SST Rig #3	Toolpusher	R. ARNOLD
Co. Rep.	M. ANTHONY	Last Liner Size: MD: TVD:	Top MD:
Shoe Test:	AFE No. 08180 D	Auth. Depth	7150
Auth $	228,436	Next Csg Size: 5 1/2 MD: 7150 TVD:	Expected MW
Last Bop Test	10/22/91	Daily Cost	$12,507
Cum Cost	$120,281		

MUD DATA

22 Jts 5 1/2" 17.0# N-80 LT+C 8RD Csg = 943'

	Wt.	Vis.	PV	YP	Gels	API WL	HTHP	Cake API/HTHP	Solids %	Liquid % Oil/Wtr.	Sand %	MBT	Ph	Pm
IN	8.4	28			/			/		/			8.5	
OUT	EMW = 5.1				/			/		/				

	Pf/Mf	Chlorides	Ca	LGS %			Mud Vol.	Shaker Screens	Hours		Mud Eng.
IN	.2 / .8	11,000	20				Hole	#1	DeSand	Cent	L. ARNOLD
OUT	/						Pit	#2	DeSilt	Mud Cl.	Mud Type FRESH

Daily $ 2455

Cum $ 5344

Chem. Used & Remarks: 25 Sawdust, 66 Cedar Fiber, 21 Lime, 25 KCL, 80 MF-450, 92 gel

BIT & DRILLING DATA

No.	Size	Manf.	Type	Serial #	Nozzles	Depth Out	Footage	Hours	Avg. ROP	Weight	RPM	T	B	G
#2	7 7/8	REED	HP53A	W99235	3/14's	ø	758	22 1/4	34.1	45,000	75			

Depth	Torque, Ft. lbs. On Btm.	Off Btm.	Rot. Wt.	P.U. Wt.	S.O. Wt.	Avg. Drag	Max. Drag	Bit Dull Remarks	Bit No.	Cost
6020			168,000	170,000	166,000	2,000	3,000			

HYDRAULICS

Pump No.	Liner X Stroke	Disp. BPS	SPM	GPM	Pressure	JV	Bit Press. Drop	AV DC	AV DP	Slow Pump Data SPM	Slow Pump Data Pressure
1	5 1/2 X 15	.117	60	295	600						
2	5 1/2 X 15	.117			Aerated fluid at 700 cu ft/min						

DIRECTIONAL/DEVIATION SURVEYS

MD	Angle	Dir.	TVD	VS	Coordinates		DL	Closure
NONE								

OPERATIONS BREAKDOWN

TIME FROM	TO	HOURS	
0500	1400	9	Rig repair to rotary clutch
1400	0215	12 1/4	Drilling
0215	0230	1/4	Rig Service
0230	0500	2 1/2	Drilling

Drilling ahead - No hole problems
6" - 8' of snowfall in the past 24 hrs.

No wear bushing!

Water delivered to location

	FRESH	BRINE
Previous	1600	300
Past 24 hrs	655	0
Total	2255	300

Lease & Well # River Bend Unit 16-19F

Date 10/28/91

MUD LOG

Depth	MW	Est PP	Formation	BGG	CG	TG	Max Gas	Dc Exp.	Sh Dens	ROP Shale	ROP Sand
5980	8.4	–	Chapita Wells	10-15	60-120	–					

DRILLING BREAKS

Depth From	Depth To	ROP Before	ROP During	ROP After	Gas Units	Gas Mud Cut	Remarks
5570	5588	1.5	0.5	1.5	60	8.4	
5640	5654	1.5	0.5	1.5	100	8.4	
5670	5678	2.0	0.8	1.5	40	8.4	
5688	5698	2.0	0.8	2.0	300	8.4	
5760	5772	2.0	0.5	2.5	200	8.4	

BHA

BHA #	Length		Total	Below Jars	Above Jars	Rotating Hrs. Since Inspection	Rotating Hrs. Total These DC's	Rotating Hrs. Jars
2	764.23	Air Weight	69,500			92 3/4	92 3/4	
		Buoyed	60,500					

CASING WEAR

	Cumulative Hours Rotating	Cumulative Hours Trip
Last Csg	92 3/4	12 1/2
Last Liner		

Description: 7 7/8" bit, bit sub, 25 6 1/4" x 2 1/4" DC's
No change in BHA

Remarks/Reason for Change

DRILLSTRING

Length	Size	Wt.	Gr.	Conn.	Max Pull (80% of new)
5256	4 1/2	16.60	E	4 1/2" x 4	264

Max pull w/ bit on btm: 264,000 Weak Member: 4 1/2" 16.60 E

WEATHER

Wind: Calm
Waves: –
Temp.: Brisk
Baro.:
Precip.: Snowy

PERSONNEL

Operator: 1
Contract: 5
Service:
Other:
Total: 6

DRILLS: No. & Duration

Pit:
Trip:
BOP:
Fire:
Abandon:

ACCIDENTS

Name: Time & Date:
Company: NONE
Remarks:

TIME DISTRIBUTION

Depth	6020		
Hole Section	PROD		
Phase	Lm		
Drill, OH, UR	14 3/4		
Trip, Short Trip			
Survey			
Rig. Serv. S & CDL	1/4		
Circ.			
Log & Eval.			
CSG & Cement			
NU, ND, Test BOP			
Other	9		
Trouble Time			
Trouble Code			

Trouble Time	Codes
Stuck Pipe & Fishing	SPF
Well Kick-Control	WKC
Well Control-Other	WCO
Lost Circ.	LC
Hole Problems-Other	HP
Remedial Cementing	RC
Rig Repair	RR
Drillstring Failure	DS
Other Eq. Failure	OEQ
Junk in Hole-Fishing	Junk
Wait on Weather	WOW
Wait on Other	WOO
Other	Oth

"Other" Description: Rig repair to rotary clutch

MATERIALS INVENTORY

Item	Rig	Boats Name	Boats Name
Barite			
Cement			
Drill Wtr			
Pot Wtr			
Fuel			
Other			

LOGISTICS

Boat Current Status

REMARKS & OTHER: Complete Rig repair at 1400 H and return to drilling with aerated fluid system. 6"-8" of snowfall in the past 24 hrs.
No hole problems.

Mike Anthony

CNG Producing Company

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DAILY DRILLING REPORT

Lease and Well No.	RDU 16-19F			Date	10/29/91
Depth MD: 5529 TVD:	Footage 332	Present Operations	REPAIR - ROTARY clutch	Days Total: 5	From Spud: 5
Last Csg Size: 8 5/8 MD: 418 TVD:	Shoe Test	Contract Rig	SSTRIC #3	Toolpusher ARNOLD	Co. Rep. JACKSON
Last Liner Size: MD: TVD:	Top MD:	Shoe Test:	AFE No. 081800	Auth. Depth 7150	Auth $ 228436
Next Csg Size: 5 1/2 MD: 7150 TVD:	Expected MW		Last Bop Test 10/22/91	Daily Cost 7171	Cum Cost 107774

MUD DATA 22 jts 5 1/2 17# N-80 LT&C (943')

	Wt.	Vis.	PV	YP	Gels	API WL	HTHP	Cake API/HTHP	Solids %	Liquid % Oil/Wtr.	Sand %	MBT	Ph	Pm
IN	8.5	28			/			/		/			9.5	
OUT	EMW		5.5		/			/		/				

	Pf/Mf	Chlorides	Ca	LGS %			Mud Vol.	Shaker Screens	Hours		Mud Eng. ARNOLD
IN	1.1/2.0	13000	10		KCL	2%	Hole 330	#1	DeSand	Cent	Mud Type KCL
OUT	/						Pit 1000	#2	DeSilt	Mud Cl.	Daily $ 795

Chem. Used & Remarks: 5 CEDAR, 2.5 Lime, 25 KCL, 45 SOAP — Cum $ 2889

BIT & DRILLING DATA

No.	Size	Manf.	Type	Serial #	Nozzles	Depth Out	Footage	Hours	Avg. ROP	Weight	RPM	T	B	G
1	7 7/8	STC	F4H	KS2885	14 14 14	5262	4808	76 1/2	6.8	45	75			
2	7 7/8	Reed	HP53A	W97235	14 14 14		303	7 1/2	40	45/50	75			

Depth	Torque, Ft. lbs. On Btm.	Off Btm.	Rot. Wt.	P.U. Wt.	S.O. Wt.	Avg. Drag	Max. Drag	Bit Dull Remarks	Bit No.	Cost
5529			130	132	128			4, 4, WT, A, F, I, BT, OTF	1	

HYDRAULICS

Pump No.	Liner X Stroke	Disp. BPS	SPM	GPM	Pressure	JV	Bit Press. Drop	AV DC	AV DP	Slow Pump Data SPM	Slow Pump Data Pressure
1	5 1/2 X 15	.054	60	295	600						
2	5 1/2 x 15	.054			AERATED 500 CFM						

DIRECTIONAL/DEVIATION SURVEYS

MD	Angle	Dir.	TVD	VS	Coordinates		DL	Closure
5262	1°							

TIME FROM	TO	HOURS	OPERATIONS BREAKDOWN
0500	0530	1/2	DRILLING TO 5226'
0530	0600	1/2	Survey @ 5226
0600	1130	5 1/2	TOOH - Recover survey Tool, P/u Bit #2
1130	1530	4	P/u HDC, TIH
1530	1630	1	Wash & Ream 70' To Bottom
1630	2400	7 1/2	Drilling To 5529' - Reduce Air Partial Circ
2400	0200	2	Repair - Rotary clutch. Pump sweeps.
			Regain Partial circ, cut out air, Lost Circ
0200	0200	1	Time change.
0200	0500	3	SHORT TRIP 30 stands - Repair
			Rotary clutch will be on Location @ 1100 HRS

NO WEAR BUSHING

WATER DELIVERED TO LOCATION	FRESH	BRINE
Previous	3495	300
PAST 24 HRS	400	0
	3895	300

Lease & Well #	Date
RBU 16-19F	10/27/81

MUD LOG

Depth	MW	Est PP	Formation	BGG	CG	TG	Max Gas	Dc Exp	Sh Dens	ROP Shale	ROP Sand
5529	8.8/55		WASATCH	20	200	225	225				

DRILLING BREAKS

Depth From	Depth To	ROP Before	ROP During	ROP After	Gas Units	Gas Mud Cut	Remarks
400	5408	1	.8	1			

BHA

BHA #	Length		Total	Below Jars	Above Jars	Rotating Hrs. Since Inspection	Rotating Hrs. Total These DC's	Rotating Hrs. Jars
2	964	Air Weight	69					
		Buoyed	61			78	78	

Description: Bit, BS, 25-6 1/4 x 2 1/4 DC

Remarks/Reason for Change: ADDITIONAL DC WT

CASING WEAR	Cumulative Hours Rotating	Cumulative Hours Trip
Last Csg	78	12 1/2
Last Liner		

DRILLSTRING

Length	Size	Wt.	Gr	Conn.	Max Pull (80% of new)
745	4 1/2	16.60	E	4 1/2 XH	264

Max pull w/ bgh btm: 264 Weak Member: DP

TIME DISTRIBUTION

Depth	5529		
Hole Section	PROD		
Phase	M		
Drill, OH, UR	8		
Trip, Short Trip	9 1/2		
Survey	1/2		
Rig. Serv. S & CDL			
Circ.			
Log & Eval.			
CSG & Cement			
NU, ND, Test BOP			
Other	1	1	
Trouble Time	5		
Trouble Code	RR		

"Other" Description: WASH + REAM TIME CHANGE

Trouble Time	Codes
Stuck Pipe & Fishing	SPF
Well Kick-Control	WKC
Well Control-Other	WCO
Lost Circ.	LC
Hole Problems-Other	HP
Remedial Cementing	RC
Rig Repair	RR
Drillstring Failure	DS
Other Eq. Failure	OEO
Junk in Hole-Fishing	Junk
Wait on Weather	WOW
Wait on Other	WOO
Other	Oth

WEATHER

Wind	W - 20
Waves	
Temp.	45
Vis.	
Precip.	

PERSONNEL

Operator	1
Contract	5
Service	3
Other	
Total	9

DRILLS: No. & Duration

Pit	
Trip	
BOP	
Fire	
Abandon	

ACCIDENTS

Time & Date:

Company:

Remarks: NONE.

MATERIALS INVENTORY

Item	Rig	Boats Name	Boats Name
Barite			
Cement			
Fuel Wtr			
Drl Wtr			
Fuel			
Other			

LOGISTICS

Boat Current Status

REMARKS & OTHER

Drill To 5226'. survey. Tool stuck in BOTTOM HOLE DC (CAME APART). TOOH P/U BIT #2. Recover survey Tool. TIH WASH 90' To Bottom. Drill. Rotary clutch failed. PUMP sweeps To Regain circ. Partial circ. for 1 HR, LOST CIRC AGAIN. TOOH - RIG REPAIR

CNG Producing Company

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DAILY DRILLING REPORT

Lease and Well No. RBU 16-19 F			Date 10/26/9
Depth MD: 5199 TVD:	Footage 1067	Present Operations Drilling @ 43'HR	Days Total: 4 From Spud: 4
Last Csg Size: 8 5/8 MD: 418 TVD:	Shoe Test	Contract Rig SST RIG # 3	Toolpusher ARNOLD / Co. Rep. JACKSON
Last Liner Size: MD: TVD:	Top MD:	Shoe Test:	AFE No. 08190 D / Auth. Depth 7150 / Auth $ 228436
Next Csg Size: 5 1/2 MD: 7150 TVD:	Expected MW		Last Bop Test 10/22/91 / Daily Cost 35398 / Cum Cost 100603

MUD DATA 22 jts 5 1/2 17# N-80 LTC (943')

	Wt.	Vis.	PV	YP	Gels	API WL	HTHP	Cake API/HTHP	Solids %	Liquid % Oil/Wtr.	Sand %	MBT	Ph	Pm
IN	8.5	28			/			/		/			9	
OUT	EMW	4.5 PPG			/			/		/				

	Pf/Mf	Chlorides	Ca	LGS %			Mud Vol.	Shaker Screens	Hours		Mug Eng. ARNOLD
IN	.8 / 12.3	11000	20		KCL	1 1/2%	Hole 295	#1	DeSand	Cent	Mud Type KCL
OUT	/						Pit 1500	#2	DeSilt	Mud Cl.	Daily $ 1001

Chem. Used & Remarks 35 LIME 50 KCL 50 MF450 — Cum $ 2094

BIT & DRILLING DATA

No.	Size	Manf.	Type	Serial #	Nozzles	Depth Out	Footage	Hours	Avg. ROP	Weight	RPM	T	B
1	7 7/8	STC	F4H	K52885	14 14 14		4119	90	68.2	45	70		
							1067	23	46.4	45	90		

Depth	Torque, Ft. lbs. On Btm.	Off Btm.	Rot. Wt.	P.U. Wt.	S.O. Wt.	Avg. Drag	Max. Drag	Bit Dull Remarks	Bit No.	Cost
5199			135	138	133	2				

HYDRAULICS

Pump No.	Liner X Stroke	Disp. BPS	SPM	GPM	Pressure	JV	Bit Press. Drop	AV DC	AV DP	Slow Pump Data SPM	Slow Pump Data Pressure
1	5 1/2 X 15	.054	50	245	450						
2	5 1/2 X 15	.054			AERATED	700 CFM					

DIRECTIONAL/DEVIATION SURVEYS

MD	Angle	Dir.	TVD	VS	Coordinates		DL	Closure
4229	1 3/4°							
4354	1							

TIME FROM	TO	HOURS	OPERATIONS BREAKDOWN
0500	0630	1 1/2	DRILLING 4130' - 4228' water flow @ 4150-70±
0630	0700	1/2	CIRC - SURVEY 1 3/4° @ 100 BBLS/HR.
0700	0900	2	DRILLING 4260 - 4354
0900	0930	1/2	CIRC SURVEY 1° @ 4354' CHECK BOP
0930	2300	13 1/2	DRILLING 4354 - 4944 - aerated 43'/H
2300	0200	3	DRILLING - 4944 - 5038 - flaid NO return 31'/H
0200	0500	3	DRILLING 5038 5199 - aerated 53'/H

NO WEAR BUSHING

WATER DELIVERED TO LOCATION

	Fresh	Brine
PREVIOUS	3495	300
PAST 24 HRS	0	0
	3495	300

Lease & Well # R.B.U. 16-19 F | Date 10/26/91

MUD LOG

Depth	MW	Est PP	Formation	BGG	CG	TG	Max Gas	Dc Exp	Sh Dens	ROP Shale	ROP Sand
5199	8.5/4.5		WASATCH	40	180		400				

DRILLING BREAKS

Depth From	Depth To	ROP Before	ROP During	ROP After	Gas Units	Gas Mud Cut	Remarks
4232	4260	1.5	.5	1	400		4938 - 4960 1.5-.5-1.5 200
4432	4444	1.5	.5	1.5	100		4830 4840 1.5-.8-1.5 80
4444	4446	1.5	1	2	100		4890 4910 1 .5 1 80
4540	4554	1	.5	1	120		5058 5092 1.5 .8 1.5 —

BHA

BHA #	Length		Total	Below Jars	Above Jars	Rotating Hrs. Since Inspection	Total Three DC's	Jars
1	652	Air Weight	59			70	70	
		Buoyed	52					

Description: Bit BS 21-6¼ x 2¼ DC

CASING WEAR

	Cumulative Hours Rotating	Cumulative Hours Trip
Last Csg	70	—
Last Liner		

Remarks/Reason for Change

DRILLSTRING

Length	Size	Wt.	Gr	Conn.	Max Pull (80% of new)
4545	4½	16.6	E	4½ XH	264

Max pull w/ on btm: Weak Member:

WEATHER

Wind: CALM
Waves:
Temp.: 32
Baro.:
Precip.: TRACE

PERSONNEL

Operator: 1
Contract: 5
Service: 3
Other:
Total: 9

DRILLS: No. & Duration

Pit:
Trip:
BOP:
Fire:
Abandon:

ACCIDENTS

Name: Time & Date:
Company:
Remarks: None

TIME DISTRIBUTION

Depth	5199		
Hole Section	PROD		
Phase	M		
Drill, OH, UR	23		
Trip, Short Trip			
Survey	1		
Rig. Serv. S & CDL			
Circ.			
Log & Evel.			
CSG & Cement			
NU, ND, Test BOP			
Other			
Trouble Time			
Trouble Code			

"Other" Description:

Trouble Time	Codes
Stuck Pipe & Fishing	SPF
Well Kick-Control	WKC
Well Control-Other	WCO
Lost Circ.	LC
Hole Problems-Other	HP
Remedial Cementing	RC
Rig Repair	RR
Drillstring Failure	DS
Other Eq. Failure	OEQ
Junk in Hole-Fishing	Junk
Wait on Weather	WOW
Wait on Other	WOO
Other	Oth

MATERIALS INVENTORY

Item	Rig	Boats Name	Boats Name
Barite			
Cement			
Drill Wtr			
Pot Wtr			
Fuel			
Other			

LOGISTICS

Boat Current Status

REMARKS & OTHER

Drill + survey aerated fluid - cutout air @ 2300 - 0200 - No returns. WATER flow 4150 - 70 ± 100 BBLS/HR.

CNG Producing Company

A CNG COMPAN

DAILY DRILLING REPORT

Lease and Well No.	R.D.U. 16-19F					Date	10/25/91
Depth MD: 4130'	TVD:	Footage 1451	Present Operations	DRILLING @ 99'/HR		Days Total: 3	From Spud: 3
Last Csg Size: 8 5/8	MD: 418 TVD:	Shoe Test	Contract Rig	SST RIG #3	Toolpusher	ARNOLD	Co. Rep. JACKSON
Last Liner Size:	MD: TVD:	Top MD:	Shoe Test:	AFE No.	Auth. Depth	7150'	Auth $ 228436
Next Csg Size: 5 1/2	MD: 7150' TVD:	Expected MW		Last Bop Test 10/22/91	Daily Cost	21700	Cum Cost 65205

MUD DATA 22 jts 5 1/2" 17# N-80 LT&C (943')

	Wt.	Vis.	PV	YP	Gels	API WL	HTHP	Cake API/HTHP	Solids %	Liquid % Oil/Wtr.	Sand %	MBT	Ph	Pm
IN	8.6	28			/			/		/			10	
OUT	EMW = 4.5PPG				/			/		/				

	Pf/Mf	Chlorides	Ca	LGS %			Mud Vol.	Shaker Screens	Hours		Mug Eng. ARNOLD
IN	1.3/2.0	12000	10				Hole 205	#1	DeSand	Cent	Mud Type KCL
OUT	/						Pit 1500	#2	DeSilt	Mud Cl.	Daily $ 426

Chem. Used & Remarks: 10 Lime 36 MF-4.50 — Cum $ 1093

BIT & DRILLING DATA

No.	Size	Manf.	Type	Serial #	Nozzles	Depth Out	Footage	Hours	Avg. ROP	Weight	RPM	T	B	G
1	7 7/8	STC	F4H	HS2885	3/14s		3912'	49	79	45	70			
							1451	20	72.5	45	70			

Depth	Torque, Ft. lbs. On Btm.	Off Btm.	Rot. Wt.	P.U. Wt.	S.O. Wt.	Avg. Drag	Max. Drag	Bit Dull Remarks	Bit No.	Cost
4130			84	86	82	2	.			

HYDRAULICS

Pump No.	Liner X Stroke	Disp. BPS	SPM	GPM	Pressure	JV	Bit Press. Drop	AV DC	AV DP	Slow Pump Data SPM	Slow Pump Data Pressure
1	5 1/2 x 15	.119	50	245	450						
2	5 1/2 x 15	.119			AERATED		200 GPM				

DIRECTIONAL/DEVIATION SURVEYS

MD	Angle	Dir.	TVD	VS	Coordinates		DL	Closure
3232	1	.						
3728	1 3/4							

TIME FROM	TO	HOURS	OPERATIONS BREAKDOWN
0500	1245	7 3/4	Drilling 2699 - 3232 - SMALL WATER FLOW ± 20BPH
1245	1315	1/2	Survey @ 3232 1°
1315	1500	1 3/4	Drilling 3232 - 3355
1500	1800	3	Repair - extend blooie line
1800	1200	6	Drilling 3355 - 3728'
1200	1230	1/2	Survey @ 3728 1 3/4°
1230	0500	4 1/2	Drilling 3728 - 4130'

NO WEAR BUSHING

WATER DELIVERED TO LOCATION

	FRESH	BRINE
Previous	2895	300
Last 24 HRS	600	0
	3495	300

ase & Well #	Date
BBU 16-19 F	10/25/91

IUD LOG

Depth	MW	Est PP	Formation	BGG	CG	TG	Max Gas	Dc Exp.	Sh Dens	ROP Shale	ROP Sand
4130	8.6/4.5		Green River	5	7		5				

DRILLING BREAKS

Depth From	Depth To	ROP Before	ROP During	ROP After	Gas Units	Gas Mud Cut	Remarks

HA

SHA #	Length		Total	Below Jars	Above Jars	Rotating Hrs. Since Inspection	Rotating Hrs. Total These DC's	Rotating Hrs. Jars
1	652.35	Air Weight	59300			49	47	
		Buoyed	51900					

escription: Bit, BS, 21-6¼ x 2¼ DC

CASING WEAR	Cumulative Hours Rotating	Cumulative Hours Trip
Last Csg	49	—
Last Liner		

emarks/Reason for Change

DRILLSTRING

Length	Size	Wt.	Gr	Conn.	Max Pull (80% of new)
3478	4½	16.6	E	4½ x H	264

ax pull w/ on btm: 264 Weak Member: DP

WEATHER

nd	CALM
aves	
mp.	32
rp.	
ecip.	

PERSONNEL

Operator	1
Contract	5
Service	3
Other	
Total	9

DRILLS: No. & Duration

Pit	
Trip	
BOP	
Fire	
Abandon	

CCIDENTS

me _____ Time & Date _____

mpany _____

marks None

TIME DISTRIBUTION

Depth	4130		
Hole Section	PROD		
Phase	M		
Drill, OH, UR	20		
Trip, Short Trip			
Survey	1		
Rig. Serv. S & CDL			
Circ.			
Log & Eval.			
CSG & Cement			
NU, ND, Test BOP			
Other			
Trouble Time	3		
Trouble Code	RR		

Trouble Time	Codes
Stuck Pipe & Fishing	SPF
Well Kick-Control	WKC
Well Control-Other	WCO
Lost Circ.	LC
Hole Problems-Other	HP
Remedial Cementing	RC
Rig Repair	RR
Drillstring Failure	DS
Other Eq. Failure	OEQ
Junk in Hole-Fishing	Junk
Wait on Weather	WOW
Wait on Other	WOO
Other	Oth

"Other" Description _____

MATERIALS INVENTORY

Item	Rig	Boats Name	Boats Name
arite			
ement			
rill Wtr			
ot Wtr			
uel			
ther			

LOGISTICS

Boat Current Status

MARKS & OTHER

Drill + survey, aerated fluid
small water flow ± 20 BPH @ 2900'

CNG Producing Company — A CNG COMPANY

DAILY DRILLING REPORT

Lease and Well No.	River Bend Unit 16-19 F	Date	10/24/91
Depth MD: 2679	TVD: SAME	Footage	1951
Present Operations	Drilling ahead @ 80-84' per hour	Days Total: 2	From Spud: 2
Last Csg Size: 8 5/8	MD: 418 TVD: –	Shoe Test	
Contract Rig	SST Rig #3	Toolpusher	R. Arnold
Co. Rep.	M. Anthony		
Last Liner Size:	MD: TVD:	Top MD:	Shoe Test:
AFE No.	08180 D	Auth. Depth	7000
Auth $	228,436		
Next Csg Size: 5 1/2	MD: 7000 TVD:	Expected MW	
Last Bop Test	10/22/91	Daily Cost	$ 5967
Cum Cost	$43,505		

MUD DATA 22 jts 5 1/2" 17.0# N-80 LT&C 8RD Csg = 943.0

	Wt.	Vis.	PV	YP	Gels	API WL	HTHP	Cake API/HTHP	Solids %	Liquid % Oil/Wtr.	Sand %	MBT	Ph	Pm
IN	8.5+	28			/			/		/			9.0	
OUT	EMW 9.6				/			/		/				

	Pf/Mf	Chlorides	Ca	LGS %			Mud Vol.	Shaker Screens	Hours		Mud Eng.
IN	.8 / 1.7	15,000	20				Hole	#1	DeSand	Cent	L. Arnold
OUT	/						Pit	#2	DeSilt	Mud Cl.	Mud Type: F. Water

Daily $: 317 — Cum $: 667

Chem. Used & Remarks: 30 sx MF 450

BIT & DRILLING DATA

No.	Size	Manf.	Type	Serial #	Nozzles	Depth Out	Footage	Hours	Avg. ROP	Weight	RPM	T	B
#1	7 7/8	STC	F44	KS2885	3/14's	ø	7261	27	83.7	45,000	65		

Depth	Torque, Ft. lbs. On Btm.	Off Btm.	Rot. Wt.	P.U. Wt.	S.O. Wt.	Avg. Drag	Max. Drag	Bit Dull Remarks	Bit No.	Cost
2679			104,00	106,000	102,000	2,000	3,000			

HYDRAULICS

Pump No.	Liner X Stroke	Disp. BPS	SPM	GPM	Pressure	JV	Bit Press. Drop	AV DC	AV DP	Slow Pump Data SPM	Slow Pump Data Pressure
1	5 1/2 x 15	.117	60	295	4150	N/A	N/A	—	—	30	200
2	5 1/2 x 15	.117				Aerated fluid at 600 cu ft/min					

DIRECTIONAL/DEVIATION SURVEYS

MD	Angle	Dir.	TVD	VS	Coordinates		DL	Closure
896	1/4							
1424	3/4							
1924	3/4							

TIME FROM	TO	HOURS	OPERATIONS BREAKDOWN
0500	0630	1 1/2	Drilling
0630	0700	1/2	Survey at 896 - 1/4°
0700	1030	3 1/2	Drilling
1030	1045	1/4	Rig Service
1045	1345	3	Drilling
1345	1400	1/4	Survey @ 1924 = 3/4°
1400	1900	5	Drilling
1900	1930	1/2	Survey @ 1924 = 3/4°
1930	0500	9 1/2	Drilling

Drilling ahead with aerated mud system of 600 cu. ft per min with 295 gal per min fluid. Effective mud weight @ ± 9.6 PPG. No hole problems. No water flow. Drilling ahead at report time.

Brine water & tank were transferred from the 15-23 E.

No wear bushing!

Water delivered to location

	Fresh	Brine
Previous	1795	0
Past 24 hrs	1100	300
TOTAL	2895	300

Lse & Well #	Date
River Bend Unit 16-19 b	10/24/91

MUD LOG

Depth	MW	Est PP	Formation	BGG	CG	TG	Max Gas	Dc Exp.	Sh Dens	ROP Shale	ROP Sand
NONE											

DRILLING BREAKS

Depth From	Depth To	ROP Before	ROP During	ROP After	Gas Units	Gas Mud Cut	Remarks
NONE							

BHA

BHA #	Length		Total	Below Jars	Above Jars	Rotating Hrs. Since Inspection	Rotating Hrs. Total These DC's	Rotating Hrs. Jars
#1	652.35	Air Weight	54,300			27	—	
		Buoyed	51,700					

Description: 7 7/8" bit, bitsub, 21 6 1/4" x 2 1/4" DC's.
No change in BHA

Remarks/Reason for Change

CASING WEAR

	Cumulative Hours Rotating	Cumulative Hours Trip
Last Csg	27	3
Last Liner		

DRILLSTRING

Length	Size	Wt.	Gr.	Conn.	Max Pull (80% of new)
2027	4 1/2	16.60	E	4 1/2" XH	264

Max pull w/ on btm: 264,000 Weak Member: 4 1/2" 16.60 E

WEATHER

Wind	Calm
Waves	—
Temp.	40°
Vis.	—
Descip.	CLEAR

PERSONNEL

Operator	1
Contract	5
Service	2
Other	
Total	8

DRILLS: No. & Duration

Pit	
Trip	
BOP	
Fire	
Abandon	

TIME DISTRIBUTION

Depth	2679		
Hole Section	Prod		
Phase	M		
Drill. OH, UR	22 1/2		
Trip. Short Trip			
Survey	1 1/4		
Rig. Serv. S & CDL	1/4		
Circ.			
Log & Eval.			
CSG & Cement			
NU. ND. Test BOP			
Other			
Trouble Time			
Trouble Code			

"Other" Description

Trouble Time	Codes
Stuck Pipe & Fishing	SPF
Well Kick-Control	WKC
Well Control-Other	WCO
Lost Circ.	LC
Hole Problems-Other	HP
Remedial Cementing	RC
Rig Repair	RR
Drillstring Failure	DS
Other Eq. Failure	OEQ
Junk in Hole-Fishing	Junk
Wait on Weather	WOW
Wait on Other	WOO
Other	Oth

ACCIDENTS

Time: _____ Time & Date: _____

Company: NONE

Remarks

MATERIALS INVENTORY

Item	Rig	Boats Name	Boats Name
Barite			
Cement			
Drill Wtr			
Pot Wtr			
Fuel			
Other			

LOGISTICS

Boat Current Status

REMARKS & OTHER

Drilling ahead from 728' to 2679' with aerated fluid.
No hole problems. No water flow. Drilling ahead at report time.

Mike Hathaway

CNG Producing Company

A CNG COMPAN

DAILY DRILLING REPORT

Lease and Well No.	River Bend Unit 16-19 F	Date	10/23/91
Depth MD: 722 TVD: SAME	Footage 310	Present Operations	Drilling ahead at 50'-60' per hr
Days Total: 1	From Spud: 1		
Last Csg Size: 8 5/8 MD: 418 KB TVD: SAME	Shoe Test	Contract Rig	SST Rig #3
Toolpusher	R. Arnold	Co. Rep.	M. Anthony
Last Liner Size: MD: TVD:	Top MD:	Shoe Test:	AFE No. 08190D
Auth. Depth	7000	Auth $	228,436
Next Csg Size: 5 1/2 MD: 7000 TVD:	Expected MW	Last Bop Test	10/22/91
Daily Cost	$ 7770	Cum Cost	$ 37,538

MUD DATA 22 jts 5 1/2" 17.0# N-80 LT&C 8RD Csg = 943.0'

	Wt.	Vis.	PV	YP	Gels	API WL	HTHP	Cake API/HTHP	Solids %	Liquid % Oil/Wtr.	Sand %	MBT	Ph	Pm
IN	8.4	28			/			/		/			7.5	
OUT					/			/		/				

	Pf/Mf	Chlorides	Ca	LGS %			Mud Vol.	Shaker Screens	Hours		Mud Eng. J. Arnold
IN	.0 / 1.3	5000	10				Hole	#1	DeSand	Cent	Mud Type Aerated
OUT	/						Pit	#2	DeSilt	Mud Cl.	Daily $ 350

Chem. Used & Remarks . Cum $ 350

BIT & DRILLING DATA

No.	Size	Manf.	Type	Serial #	Nozzles	Depth Out	Footage	Hours	Avg. ROP	Weight	RPM	T	B	G
#1	7 7/8	STC	F4H	KS2885	3/14's	ø	310	4 1/2	68.9	All	70			

Depth	Torque, Ft. lbs. On Btm.	Off Btm.	Rot. Wt.	P.U. Wt.	S.O. Wt.	Avg. Drag	Max. Drag	Bit Dull Remarks	Bit No.	Cost
N/A										

HYDRAULICS

Pump No.	Liner X Stroke	Disp. BPS	SPM	GPM	Pressure	JV	Bit Press. Drop	AV DC	AV DP	Slow Pump Data SPM	Slow Pump Data Pressure
1	5 1/2 x 15	.117	60	295	200	N/A	N/A	-	-	30	200
2	5 1/2 x 15	.117									

DIRECTIONAL/DEVIATION SURVEYS

MD	Angle	Dir.	TVD	VS	Coordinates		DL	Closure
None								

TIME FROM	TO	HOURS	OPERATIONS BREAKDOWN
0500	0800	3	Move in and rig up. Prepare to spud.
0800	2130	13 1/2	Break tour and test Csg to 1500# for 15 min - OK
			Hydril to 3000# for 15 min - OK
			BOP to 3000# for 15 min - OK
			Choke to 3000# for 15 min - OK
			Upper Kelly to 3000# for 15 min - OK
			Lower Kelly to 3000# for 15 min - OK
2130	0030	3	Pick up 7 7/8" bit and BHA. Drill cement
	0030		Drilling new formation.
0030	0500	4 1/2	Drilling ahead
			Move in and rig up. Test Csg, BOP stack, choke, & upper & lower kelly test - OK. Drilling new formation at 0030 AM with aerated fluid system. Pumping 600 cu ft per min with mud system. Effective mud wt at ± 4.5 PPG. No hole problems. Drilling ahead at report time.

Water Delivered to Location

	FRESH	BRINE
Previous	1795	0
Past 24 hrs	0	0
Total	1795	0

Lease & Well #	Date
River Bend Unit 16-14 E	10/23/91

MUD LOG

Depth	MW	Est PP	Formation	BGG	CG	TG	Max Gas	Dc Exp.	Sh Dens	ROP Shale	ROP Sand
U/A											

DRILLING BREAKS

Depth From	Depth To	ROP Before	ROP During	ROP After	Gas Units	Gas Mud Cut	Remarks
NONE							

BHA

BHA #	Length		Total	Below Jars	Above Jars	Rotating Hrs. Since Inspection	Rotating Hrs. Total These DC's	Rotating Hrs. Jars
#1	652.35	Air Weight	54,300			4½	—	
		Buoyed	51,700					

Description: 7⅞" bit, bit sub, 21 6¼" x 2¼" D.C.'s

CASING WEAR	Cumulative Hours Rotating	Cumulative Hours Trip
Last Csg	4½	3
Last Liner		

Remarks/Reason for Change

DRILLSTRING

Length	Size	Wt.	Gr.	Conn.	Max Pull (80% of new)
75	4½"	16.60	E	4½" XH	264

Max pull w/ on btm: 264,000 Weak Member: 4½" 16.60 E

WEATHER

Wind: CALM
Waves: —
Temp.: 40
Bro.: —
Precip.: CLEAR

PERSONNEL

Operator: 1
Contract: 5
Service: 2
Other:
Total: 8

DRILLS: No. & Duration

Pit:
Trip:
BOP:
Fire:
Abandon:

ACCIDENTS

Time & Date:
Company: NONE
Remarks:

TIME DISTRIBUTION

Depth	728			
Hole Section	Prod			
Phase	M			
Drill, OH, UR	4½			
Trip, Short Trip				
Survey				
Rig. Serv. S & CDL				
Circ.				
Log & Eval.				
CSG & Cement				
NU, ND, Test BOP				
Other	19½			
Trouble Time				
Trouble Code				

"Other" Description: Rig up & test BOP stack, choke, & kelly cocks.

Trouble Time	Codes
Stuck Pipe & Fishing	SPF
Well Kick-Control	WKC
Well Control-Other	WCO
Lost Circ.	LC
Hole Problems-Other	HP
Remedial Cementing	RC
Rig Repair	RR
Drillstring Failure	DS
Other Eq. Failure	OEQ
Junk in Hole-Fishing	Junk
Wait on Weather	WOW
Wait on Other	WOO
Other	Oth

MATERIALS INVENTORY

Item	Rig	Boats Name	Boats Name
Barite			
Cement			
Drill Wtr.			
Pot Wtr.			
Fuel			
Other			

LOGISTICS

Boat Current Status

REMARKS & OTHER

Rig up & test BOP stack, choke, & upper & lower kelly cocks. Pick up 7⅞" bit & TIH in hole with BHA. Drill cement from 376' to 418'. Drilling new formation at 0030. Drilling with aerated mud system, 600 cu ft per min with 245 gal of fluid. Drilling ahead with no hole problems at report time.

Mike Anthony

CNG PRODUCING COMPANY

COMPLETION AND WORKOVER - DAILY REPORT

WELL NAME RBU 16-19F
AFE # 08180D
DATE 9-21-91
FIELD/AREA River Bend
RIG DAYS
CONTRACTOR Ross Air Rig
CNG CO. REP. J. Bingham

DAILY RECAP: Spudded 3:30pm 9-18-91
Drilling Completed 11:30AM 9-20-91 POOH w/ Pipe & Bit

DETAILS OF WORK: RIH w/ 8 5/8" shoe 13 jts of 8 5/8" 24LB. CSG w/centralizers on bottom 3 jts 1 per jt. Shoe @ 403' insert @ 373' RU Dowell pump 20 bbls Fresh wtr. Followed by 5 bbl gelled wtr sweep - cmt surface w/ 225 sks. Tail in, Yeild 1.11, wt 15.4, 45 bbls slurry Had good return cmt. Last 7 bbls of Displacement

COSTS:

SERVICE COMPANIES AT WORK	DAILY COSTS
RIG:	
Location	5545
Dowell	3049
West Hazemat (wtr. trk.)	440
8 5/8" CSG	4466
Ross Air Rig	7730
Drill + blast pit	6163
Dalbo	675
TODAY'S TOTAL	~~21,230~~

COST SUMMARY	
CUM COMPLETION RIG	
YESTERDAY'S COMPLETION CUM	
TODAY'S TOTAL	
TOTAL COMPLETION	
TOTAL DRILLING COST	~~24,393~~
TOTAL WELL COST	28,068
AFE AMOUNT	

(REV 10-85)

RBU 16-19F
SEC. 19, T10S, R20E
UINTAH COUNTY, UTAH
DISPOSAL WELL
RIVERBEND - 1993
CNG PRODUCING CO.
DATE: NOV 11, 1993
REVISION # 1

PURPOSE: TURN THE P&A'D 16-19F (NON-COMMERCIAL GAS WELL) INTO A SALT WATER INJECTION WELL TO DISPOSE OF FIELD FORMATION WATER.

OPERATOR: CNG PRODUCING
1450 POYDRAS
NEW ORLEANS, LA. 70112
ATTN: SCOT CHILDRESS
504-593-7574
504-593-7544 - FAX

A. THERE ARE NO WELLS EXCEPT THE INJECTION CANDIDATE THAT ARE IN THE AREA OF REVIEW (1/4 MILE RADIUS). SEE ATTACHED TOPO MAP. ALL WELLS THAT SURROUND THE 16-19F ARE ACTIVE GAS WELLS.

B. BASE OF USDW (10,000 MG/L OR LESS) MODERATELY SALINE GROUND WATER IN THE UINTAH BASIN, UTAH.
WELL: 16-19F
LOCATION: SECTION 19-T10S-R20E
COUNTY: UINTAH COUNTY, UTAH
GEOLOGIC NAME: GREEN RIVER
TDS DEPTH INTERVAL: 3400-3200'
LITHOLOGY: SAND-SHALE
TDS CONTENT: 28,000 AT 3400' TO 4,000 AT 3200' (SEE ATTACHED E LOG AND SCHLUMBERGER CHART FOR DETAILS)
THERE ARE NO WELLS BEING USED IN THE AREA OF REVIEW FOR USDW.

C. GEOLOGIC DATA ON INJECTION INTERVAL AND CONFINING ZONES.
WELL: 16-19F
LOCATION: SECTION 19-T10S-R20E
COUNTY: UINTAH COUNTY, UTAH
GEOLOGIC NAME: GREEN RIVER - WASATCH TONGUE
DEPTH OF INJECTION INTERVAL: 4,138-4,166' - 26' THICK
3,752-3,774 - 22' THICK (ADDITIONAL, IF REQUIRED)
LITHOLOGY: SANDSTONE, WHITE - GRAY, VERY FINE GRAINED - FINE GRAINED, CALCAREOUS, SUBANGULAR - SUBROUND
TDS CONTENT: 28,000 (SEE ATTACHED E LOG AND SCHLUMBERGER CHART FOR DETAILS)
DEPTH OF CONFINING ZONES: FOR DETAILS - SEE PROPOSED WELL SKETCH FOR DISPOSAL
GEOLOGIC NAME: GREEN RIVER
LITHOLOGY: SHALE - SILTSTONE (SEE ATTACHED E LOG FOR DETAILS)

D. WELL HISTORY: 16-19F
LOCATION: SECTION 19-T10S-R20E
ELEVATION: 5233
DATE DRILLED: 9/18/91 THRU 11/14/92 (SEE ATTACHED WELL SKETCH AND ACTIVITY REPORTS)

- DRILLED 12 1/4" HOLE TO 418'. RAN 8 5/8" CASING TO 418'. PUMPED CEMENT TO SURFACE. DRILLED 7 7/8" HOLE TO 7250'. RAN 5 1/2" CASING TO 7250'. PUMPED 1787 SXS OF G CEMENT.
- TESTED TWO INTERVALS - 4740-68'
  - 5074-79' AND 5042-68'
  - BOTH INTERVALS TESTED AT NON-COMMERCIAL RATES.
- WELL PLUGGED AND ABANDONED ON 3/27/92
- SEE ATTACHED P&A REPORT FOR DETAILS

E. PROCEDURE FOR INJECTION AND OPERATING DATA:
==========
SEE ATTACHED WELL SKETCH FOR WELLBORE CONFIGURATION FOR DISPOSAL

NOTE: need to tie back into 5 1/2" casing before work begins and prepare location.

1. Rig up pulling unit and move in two frac tanks with 2% KCL water.
2. N/D tree and N/U BOPS.
3. Drill up plugs (see attached schematic) at the surface, at 360' and at 2250'. Clean well out to 4500'. Test casing to 2,500 psi.
4. Perforate from 4,138-4,166' with a 4" gun at 6 spf.
5. TIH with coated 2 3/8" tubing and set injection packer @ 4,100'. ND BOPS and NU tree.
6. Acidize well with 3,000 gallons of heated 15% HCL acid. Flow back and then swab test. Catch fluid for water analysis at end of test and send to Dowell and analysis to EPA.
7. Perform four point injection test @ 1/4, 1/2, 3/4 and 1 BPM to obtain surface injection pressure.
8. Hook-up surface equipment .

E. SURFACE EQUIPMENT

FLUID DELIVERY TO SITE WILL BE BY TRUCK
ON SITE FLUID STORAGE: 2 - 300 BBL HEATED TANKS
PUMP OPERATION: GAS FIRED TRIPLEX PUMP
TANKS WILL BE FITTED WITH HI/LOW LEVEL - ON/OFF SWITCH TO PUMP
MAX INJECTION PRESSURE OF 600 PSI SWITCH TO PUMP WILL BE INSTALLED
TANKS WILL BE LEVEED TO HOLD 100% CAPACITY
ALTERNATE DISPOSAL PLANS: TO OUR CURRENT THIRD PARTY DISPOSAL SITE AT OURAY, UTAH
AVERAGE AND MAXIMUM INJECTION VOLUME: 100-400 BWPD
AVERAGE AND MAXIMUM SURFACE INJECTION PRESSURE: 100-500 PSI
FRAC GRADIENT: .73 PSI/FT (SEE ATTACHED 3-25B REPORT FOR FRAC GRAD)
ANNULUS FLUID: TREATED 2% KCL WATER

F. SOURCE OF FLUIDS TO BE INJECTED: FORMATION WATERS FROM THE SURROUNDING GAS WELLS IN THE RIVERBEND FIELD UNIT

ANALYSIS OF FLUIDS TO BE INJECTED (SEE ATTACHED REPORT)
TDS: 25,357
SG: 1.016
SPECIFIC CONDUCTIVITY: 22,000 @ 65 DEGREES
PH: 8.2
DATE OF ANALYSIS: 11/2/93

MONITORING WELLS: NONE

G. PLUG AND ABANDONMENT PLAN FOR 16-19F INJECTION WELL

OUR PLUGGING PLAN WILL CONSIST OF PLACING 4 CEMENT PLUGS AT THE FOLLOWING INTERVALS:

1. SET 5 1/2" CEMENT RETAINER AT 4100'. SQUEEZE 30 SXS OF G CEMENT BELOW AND SPOT 10 SXS OF G CEMENT ABOVE. PLUG FROM 4,166-4,020'. TEST PLUG TO 1,000 PSI.
2. SPOT (BALANCE PLUG) OF 35 SXS FROM 1,934-2,250 AND 12 SXS OF G CEMENT FROM 360-468'.
3. SPOT (BALANCE PLUG) 6 SXS OF G CEMENT FROM 50-6'.
4. CUT OFF WELLHEAD AND INSTALL DRY HOLE MARKER.
5. MOVE OFF SURFACE EQUIPMENT AND RECONDITION LOCATION.
6. ESTIMATED TOTAL COST TO PLUG FROM CNGP - $ 25,000

7. THIRD PARTY TOTAL COST TO PLUG WELL FROM FLINT ENGINEERING IN VERNAL UTAH @ 801-789-0660 - SEE ATTACHED

FORM 8

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other P&A

b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other P&A

2. NAME OF OPERATOR: PG&E Resources Company

3. ADDRESS OF OPERATOR: 6688 N. Central Expressway, Dallas, TX 75206-3922

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface 882' FEL & 875' FSL
At top prod. interval reported below Same
At total depth Same

5. LEASE DESIGNATION AND SERIAL NO.: U-013769-A
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Utetribe
7. UNIT AGREEMENT NAME: River Bend Unit
8. FARM OR LEASE NAME: River Bend
9. WELL NO.: #16-19F
10. FIELD AND POOL, OR WILDCAT: River Bend Unit
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 19, T10S-R20E
12. COUNTY: Uintah
13. STATE: Utah

14. API NO. / DATE ISSUED

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.) or (Plug & Abd.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)	19. ELEV. CASINGHEAD
10/23/91	11/13/91			

20. TOTAL DEPTH, MD & TVD	21. PLUG BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
7250'	7205'		→	X	

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

25. WAS DIRECTIONAL SURVEY MADE: Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN: DSN/GR,

27. WAS WELL CORED YES ☐ NO ☒ (Submit analysis)
DRILL STEM TEST YES ☐ NO ☒ (See reverse side)

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#	418'	12 1/4"	Cmt to Surface	0
5 1/2"	17# N-80	7250'	7 7/8"	1787 sx 50/50 POZ	0

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)
5074'-79' 2 spf
5042'-68' 2 spf
4740'-68' 2 spf

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4740'-668'	Acidize w/1500 gal 7.25% Acid

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
N/A		

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
			→				

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

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

TEST WITNESSED BY

35. LIST OF ATTACHMENTS
Wellbore Sketch showing plugging conditions.

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

SIGNED Ava Hurst Ava Hurst TITLE Permits Specialist DATE 11/19/92

See Spaces for Additional Data on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

(Other instructions on reverse side)

Expires: September 30, 1990

5. LEASE DESIGNATION AND SERIAL NO.
U-013769-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Utetribe

7. UNIT AGREEMENT NAME
River Bend Unit

8. FARM OR LEASE NAME
River Bend

9. WELL NO.
16-19F

10. FIELD AND POOL, OR WILDCAT
River Bend Unit

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 19-T10S-R20E

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 [X] OTHER Drilled and Abandoned

2. NAME OF OPERATOR
PG&E Resources Company

3. ADDRESS OF OPERATOR (214) 750-3800
5950 Berkshire Lane, Suite 600, Dallas, Texas 75225

LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
Sec. 19-T10S-R20E
(SE/4 of the SE/4 of Section 19)

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
GL = 5233'

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:

TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[X]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]
(Other)			

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[X]
(Other)			

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

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

* Well was plugged and abandoned on 3/27/92.
Plugging Conditions:
1) Cement ret. Set @ 4,700'; Sqzd perfs. 4,740'-68', 5,042'-68', 5,074'-79' w/62 sx premium neat cmt.; Dump 12 sx cmt on top of ret.
2) Spotted 35 sk neat cmt. Plug from 2,250' to est. T.O.C. 1,934'.
3) Spotted 12 sk neat cmt. Plug from 468'-360'.
4) Spotted 6 sk neat cmt. Plug from 50' to surface.
5) Sqz. 85 sx neat cmt. down 8 5/8" x 5 1/2" annulus to est. btm. @ 468'.

* All plugs approved & witnessed by the BLM.

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

SIGNED Stephen C. Gilbert TITLE Petroleum Engineer DATE 4/20/92
Stephen C. Gilbert

(This space for Federal or State office use)

APPROVED BY [signature] TITLE ASSISTANT DISTRICT MANAGER MINERALS DATE JUN 22 1992
CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED
TO OPERATOR'S COPY

*See Instructions on Reverse Side

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.

ATTACHMENT E

Underground Sources of Drinking Water:

1. Geologic Name: Upper Green River

2. TDS Interval: 3,400-3,200'

3. Lithology: Sand / Shale

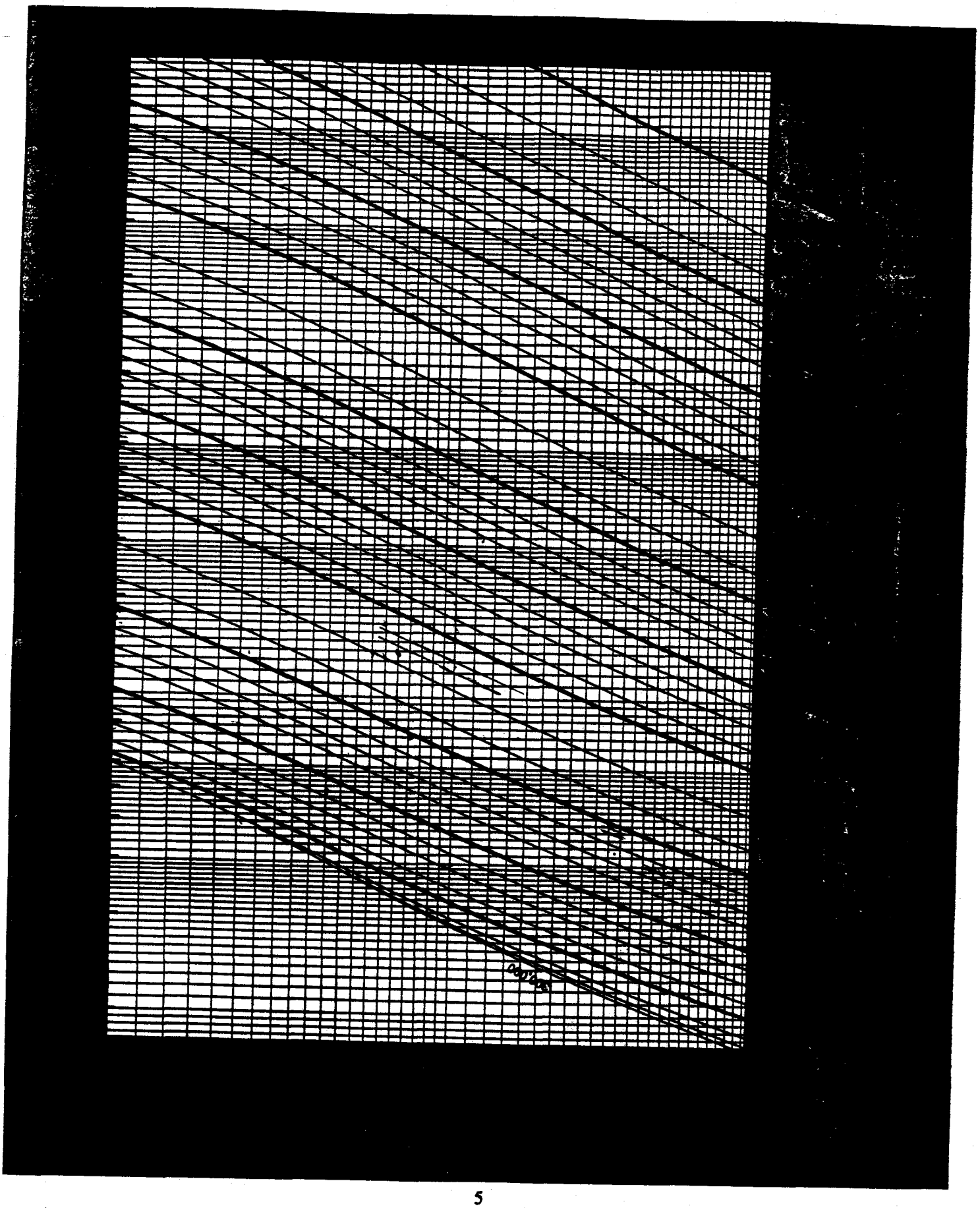
4. TDS content of formation water: 28,000 (at 3,400') - 4,000 at 3,200' (See attached E log and Schlumberger chart for details.

5. If the USDW is being used as a water supply within the area of review indicate the location of the supply well(s): There are no wells being used in the area of review for USDW.

Verification includes: E log (with Attachment C)
Schlumberger Chart
Water Analysis Report
Drilling and Completion Records (with Attachment C)

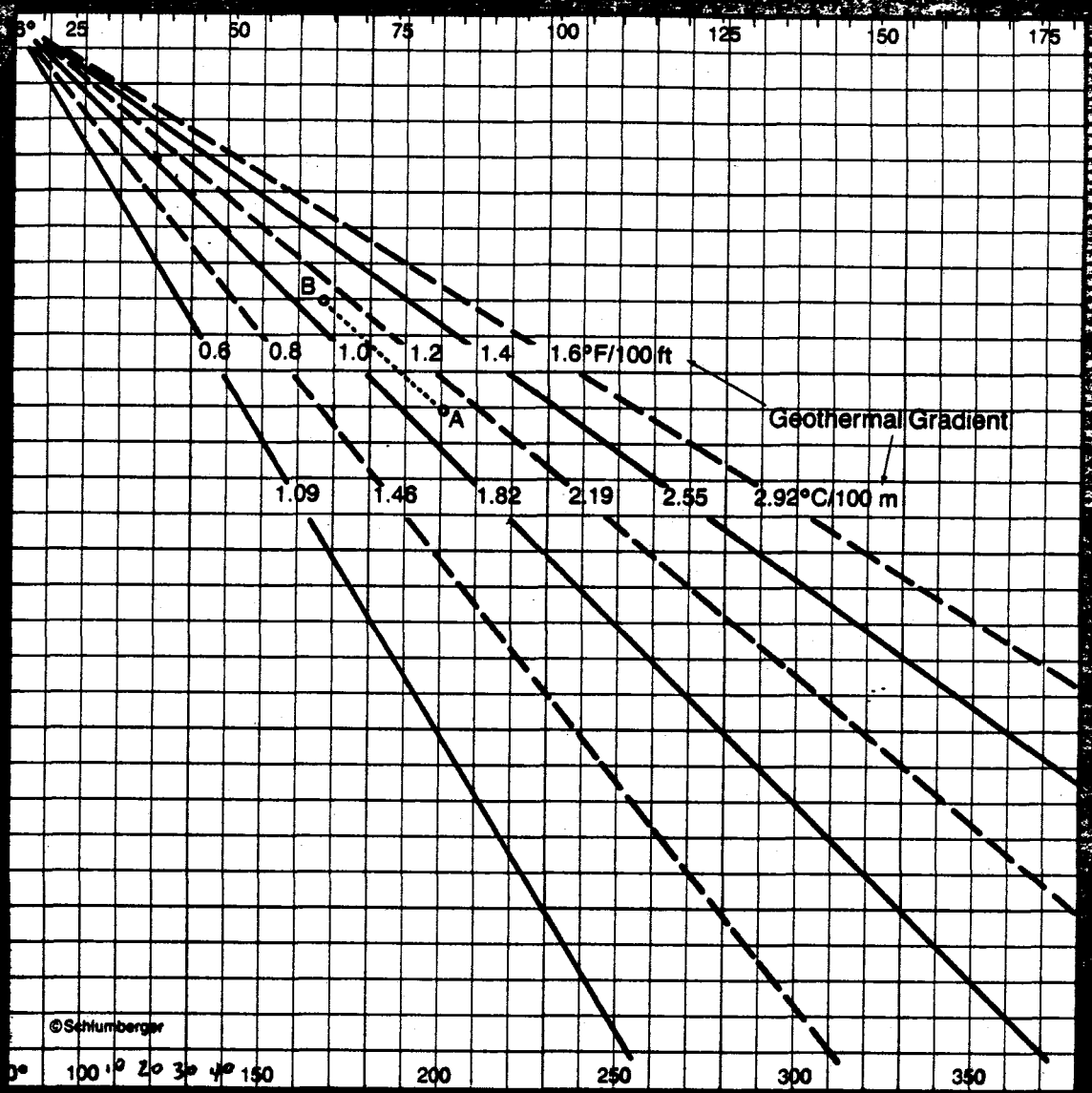
$R_{w_a} = \phi^2 \times R_t$

Resistivity of NaCl Solutions



Estimation of Formation Temperature

(LINEAR GRADIENT ASSUMED)



UNICHEM INTERNATIONAL

P.O. Box 217
Roosevelt, Utah 84066

Office (801) 722-5066
Fax (801) 722-5727

WATER ANALYSIS REPORT

COMPANY CNG PRODUCING CO ADDRESS _____ DATE: 11-02-93

SOURCE _____ DATE SAMPLED 11-01-93 ANALYSIS NO. _____

	Analysis	Mg/l (ppm)		*Meq/l	
1. PH	8.2				
2. H_2S (Qualitative)	0				
3. Specific Gravity	1.016				
4. Dissolved Solids		25,357			
5. Suspended Solids					
6. Anaerobic Bacterial Count	C/Ml				
7. Methyl Orange Alkalinity ($CaCO_3$)					
8. Bicarbonate (HCO_3)	HCO_3	440	÷61	7	HCO_3
9. Chlorides (Cl)	Cl	13,800	÷35.5	389	C
10. Sulfates (SO_4)	SO_4	1,500	÷48	31	SO
11. Calcium (Ca)	Ca	640	÷20	32	Ca
12. Magnesium (Mg)	Mg	122	÷12.2	10	Mg
13. Total Hardness ($CaCO_3$)		2,100			
14. Total Iron (Fe)		2.7			
15. Barium (Qualitative)					
16. Phosphate Residuals					

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

32	Ca	HCO_3	7
10	Mg	SO_4	31
385	Na	Cl	389

Compound	Equiv. Wt.	X	Meq/l	=	Mg/l
$Ca(HCO_3)_2$	81.04		7		567
$CaSO_4$	68.07		25		1,702
$CaCl_2$	55.50				
$Mg(HCO_3)_2$	73.17				
$MgSO_4$	60.19		6		361
$MgCl_2$	47.62		4		191
$NaHCO_3$	84.00				
Na_2SO_4	71.03				
NaCl	58.46		385		22,507

Saturation Values	Distilled Water 20°C
$CaCO_3$	13 Mg/l
$CaSO_4 \cdot 2H_2O$	2,090 Mg/l
$MgCO_3$	103 Mg/l

REMARKS Conductivity = 22,000 umhos / cm @ 65° F.

ATTACHMENT G

Injection Zone

1. Geologic name: Green River - Wasatch Tongue

2. Depth interval: Top - 4,138'
Base - 4,166' 26' thick

*If needed at a later date, 3,752'-3,774' (22' thick)

3. Lithology: Sandstone, white-gray, very fine grained - fine grained, calcareous, subangular - subround.

4. Fracture gradient: .73 (See attached daily completion report)

5. TDS content of formation waters: 28,000 (See attached E log and Schlumberger Chart for details)

Verification includes: Daily completion report
E Log (with Attachment C)
Schlumberger Chart (with Attachment E)
Drilling and completion records (with Attachment C)

Confining Zones

1. Geologic Name: Green River

2. Depth Interval: Top - 4,086'
Base - 4,208'

3. Lithology: Shale - Siltstone (See attached E Log for details)

Verification includes: Drilling and completion records (with Attachment c)
E log (with Attachment C)

CNGP QC/FRAC REPORT
RIVERBEND UNIT
UINTAH COUNTY, UTAH

WELL: RBU 3-25 B

DATE: 4-19-93
SEC: 25 TWP: 9S RGE: 19E
SAND: 16/30
ZONE #: Green River
PERFS: 4740-70
4791-95

SPF: 2 HOLE SIZE: _____"
TOTAL HOLES: _____

PBTD: _____
EOT: _____
SIZE TBG: 2 3/8
SIZE CSG: 5 1/2
CASING ENTRY: Y OR N
ANNULUS ENTRY: (Y) OR N
TBG ENTRY: (Y) OR N
RESERVOIR TEMP: _____

TREATMENT DATA
==========

MAXIMUM ANTICIPATED PRESSURE: _____ PSI
TESTED LINES AND VALUES TO: 5500 PSI
TUBING CAPACITY: 27 BBLS.(.00387 BBLS/FT.)
CASING CAPACITY: 1.8 BBLS.(.0232 BBLS/FT.)-EOT TO PERFS
ANNULAR CAPACITY: 70.8 BBLS.(.0178 BBLS/FT.)
FLUSH OR DISPLACEMENT: 95 BBLS.
HOLE FLUID: 2% KCL TREATING WEIGHT: 8.45 PPG
HYDROSTATIC HEAD TO PERFS: 2090 PSI
ESTIMATED RESERVOIR PRESSURE: .44 PSI/FT OR _____
PUMP-IN @ TREATING RATE WITH KCL WATER TO GET BREAKDOWN PRESSURE
ISIP: 1355 PSI - DETERMINE FRAC PRESSURE
FRACTURE PRESSURE: _____ PSI OR FRAC GRADIENT: .723 PSI/FT
PIPE FRICTION: _____ PSI PERF FRICTION: _____ PSI

WATER SOURCE LOCATION:
PH IN TANK #1: 7 TANK #4 7 CLARITY:
TANK #2: 7 REDUCING AGENT: Y OR N
TANK #3: 7 PHOSPHATE: _____ PPM
TEMP IN TANK #1: 110°
TANK #2: 110°
TANK #3: 100° TANK #4 95°
INITIAL STRAP IN TANK #1: 11 FINAL STRAP: 6' 0" TANK #4 8' 3"
TANK #4 10 TANK #2: 11 3 06
TANK #3: 11 2 05
BBLS BEFORE: 1956 BBLS AFTER: 436
TOTAL BBLS USED FOR JOB:
TOTAL BBLS Cleaning Up + Reversing out 108 + 139 (Cleaning TRKs)
BASE GEL TYPE: L.G.C. IV 35 #/1000 GAL: _____
BASE GEL TEMP BEFORE: APPEARANCE: _____
BASE GEL PH BEFORE:
BASE GEL VISCOSITY BEFORE: 30 CP
@ 1PPG SAND: 28 CP
@ 3PPG SAND: 26 CP
@ 5PPG SAND: 25 CP
@ 6PPG SAND: 26 CP

ATTACHMENT H

Operating Data

1. Average Injection Volume: 100-400 BWPD
   Maximum Injection Volume: 400 BWPD

2. Average Surface Injection Pressure: 100-600 PSI
   Maximum Surface Injection Pressure: 600 PSI

3. Description of Annulus Fluid: Treated 2% KCL Water

4. Listing of the source(s) that provide fluids to the injection well.
   a. Source name: Formation waters from the surrounding gas wells in the River Bend Unit.

   b. Location: Wells within the River Bend Unit

   c. Type of Fluid: Formation Water

   d. Present Operator of the Source: CNG Producing Company

5 Analysis for the fluid to be injected.

   a. TDS (mg/l): 25,357
   b. Specific Gravity: 1.016
   c. Specific Conductivity: 22,000 umhos / cm @ 65°F
   d. pH: 8.2

Verification includes: Water Analysis (with Attachment E)

ATTACHMENT I

Formation Testing Plan:

NOTE: Need to tie back into 5 1/2" casing before work begins and prepare location.

1. Rig up pulling unit and move in two frac tanks with 2% KCL water.
2. Nipple down tree and nipple up BOPs.
3. Drill up plugs (see attached schematic) at the surface, at 360' and at 2,250'. Clean well out to 4,500'. Test casing to 2500 PSI.
4. Perforate from 4,138-4,166' with a 4" gun at 6 SPF.
5. Trip in hole with coated 2 3/8" tubing and set injection packer at 4,000'. Nipple down BOPs and nipple up tree.
6. Acidize well with 3,000 gallons of heated 15% HCL acid. Flow back and then swab test. Catch fluid for water analysis at end of test and send to Dowell.
7. Perform four point injection test at 1/4, 1/2, 3/4 and 1 BPM to obtain surface injection pressure.
8. Hook-up surface equipment.

1. Fluid delivery to site: by truck.
2. On-site fluid storage: 2 - 300 bbl heated tanks
3. Pump operation: Gas fired Triplex pump
4. Safety Features are:
   a. Tanks will be fitted with Hi/Low Level - on/off switch to pump
   b. Maximum injection pressure of 600 PSI switch to pump will be installed
   c. Tanks will be leveed to hold 100% capacity.
   d. Alternate disposal plans: to our current third party disposal site at Ouray, Utah

ATTACHMENT J

Stimulation Program:

NOTE: Need to tie back into 5 1/2" casing before work begins and prepare location.

1. Rig up pulling unit and move in two frac tanks with 2% KCL water.
2. Nipple down tree and nipple up BOPs.
3. Drill up plugs (see attached schematic) at the surface, at 360' and at 2,250'. Clean well out to 4,500'. Test casing to 2500 PSI.
4. Perforate from 4,138-4,166' with a 4" gun at 6 SPF.
5. Trip in hole with coated 2 3/8" tubing and set injection packer at 4,000'. Nipple down BOPs and nipple up tree.
6. Acidize well with 3,000 gallons of heated 15% HCL acid. Flow back and then swab test. Catch fluid for water analysis at end of test and send to Dowell.
7. Perform four point injection test at 1/4, 1/2, 3/4 and 1 BPM to obtain surface injection pressure.
8. Hook-up surface equipment.

1. Fluid delivery to site: by truck.
2. On-site fluid storage: 2 - 300 bbl heated tanks
3. Pump operation: Gas fired Triplex pump
4. Safety Features are:
   a. Tanks will be fitted with Hi/Low Level - on/off switch to pump
   b. Maximum injection pressure of 600 PSI switch to pump will be installed
   c. Tanks will be leveed to hold 100% capacity.
   d. Alternate disposal plans: to our current third party disposal site at Ouray, Utah

ATTACHMENT K

Injection Procedures:

NOTE: Need to tie back into 5 1/2" casing before work begins and prepare location.

1. Rig up pulling unit and move in two frac tanks with 2% KCL water.
2. Nipple down tree and nipple up BOPs.
3. Drill up plugs (see attached schematic) at the surface, at 360' and at 2,250'. Clean well out to 4,500'. Test casing to 2500 PSI.
4. Perforate from 4,138-4,166' with a 4" gun at 6 SPF.
5. Trip in hole with coated 2 3/8" tubing and set injection packer at 4,000'. Nipple down BOPs and nipple up tree.
6. Acidize well with 3,000 gallons of heated 15% HCL acid. Flow back and then swab test. Catch fluid for water analysis at end of test and send to Dowell.
7. Perform four point injection test at 1/4, 1/2, 3/4 and 1 BPM to obtain surface injection pressure.
8. Hook-up surface equipment.

1. Fluid delivery to site: by truck.
2. On-site fluid storage: 2 - 300 bbl heated tanks
3. Pump operation: Gas fired Triplex pump
4. Safety Features are:
   a. Tanks will be fitted with Hi/Low Level - on/off switch to pump
   b. Maximum injection pressure of 600 PSI switch to pump will be installed
   c. Tanks will be leveed to hold 100% capacity.
   d. Alternate disposal plans: to our current third party disposal site at Ouray, Utah

ATTACHMENT M

Construction Details

Drawn Schematic includes:

1. Drilled hole depth and diameter: 7,250' - 7 7/8" hole

2. Casing depth & size: 8 5/8" 24# casing set at 418'
   5 1/2" 17# casing set at 7,250'
   Tubing depth & size: None set
   Packer depth & size: None set

3. Cement Plugs: Surface Plug: Top - 0' (8 5/8" casing)
   Base - 50'
   1st Plug: Top - 360' (5 1/2" casing)
   Base - 468'
   2nd Plug: Top - 0' (5 1/2" casing & 8 5/8" casing)
   Base - 468'
   3rd Plug: Top - 1,934' (5 1/2" casing)
   Base - 2,250'
   Cement Retainer at 4,700'

4. Existing Perforations: 4,740-68' (56 holes)
   5,074-79' & 5,042-68' (62 holes)

5. Total Depth: 7,250'

6. Plug back total depth: 7,205'

7. USDWs: 3,400-3,200'
   Confining Zones: 4,086-4,208' Green River Formation
   Injection zones: 4,138-66' at 6 SPF (Green River Formation)
   3,752-74' at 6 SPF (Green River Formation)

8. Elevations: 5,233' GR

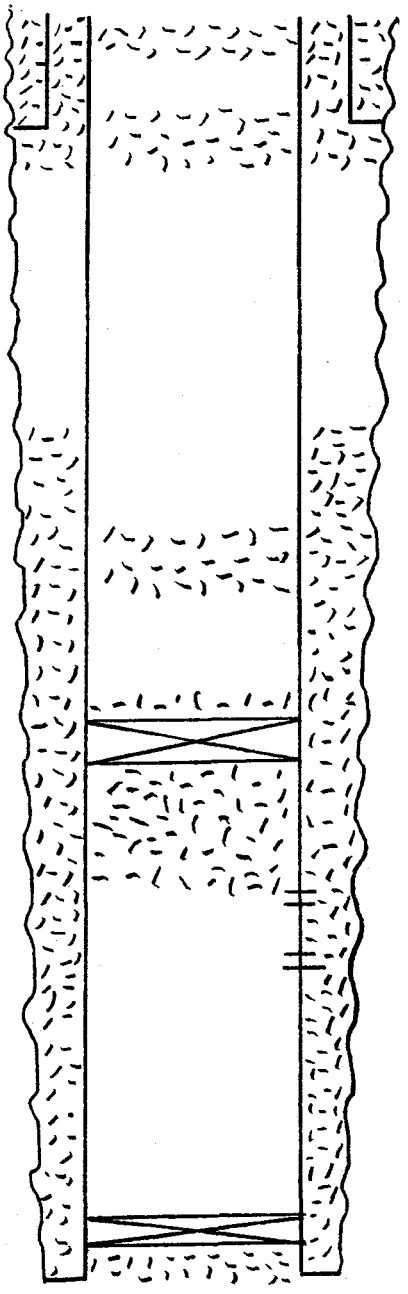
9. Cased hole logs which identify well construction or completion.

Verification includes: Drawn schematic
CBL log (with Attachment C)
Dual Laterolog (with Attachment C)
Compensated Density Neutron Log (with Attachment C)
Drilling and completion records (with Attachment C)
Completion Report showing P&A (with Attachment C)

RBU 16-19F
SEC. 19, T10S, R20E
UINTAH COUNTY, UTAH
DISPOSAL WELL
RIVERBEND - 1993
CNG PRODUCING CO.
DATE: NOV 1, 1993

PURPOSE: TURN THE P&A'D 16-19F (NON-COMMERCIAL GAS WELL) INTO A SALT WATER INJECTION WELL TO DISPOSE OF FIELD FORMATION WATER.

CURRENT WELL SKETCH



- 6 SXS. FROM 50-5'

< 8 5/8" 24# @ 418'
(12 1/4" HOLE)
225 SXS. CEMENT TO SURFACE

- 12 SXS. FROM 360-468'
INSIDE 5 1/2"
- 85 SXS. FROM 468-0'
INSIDE 8 5/8" X 5 1/2"

< TOP OF CEMENT OUTSIDE
5 1/2" @ 720'

- 35 SXS. FROM 1,934-2,250'
INSIDE 5 1/2"

- 12 SXS ON TOP OF RETAINER
- CEMENT RETAINER @ 4700'
- 62 SXS SQUEEZED BELOW

- 4740-68 (56 HOLES)
- 5074-79, 5042-5068 (62 HOLES)
BOTH INTERVALS TESTED AT NON-COMMERCIAL RATES

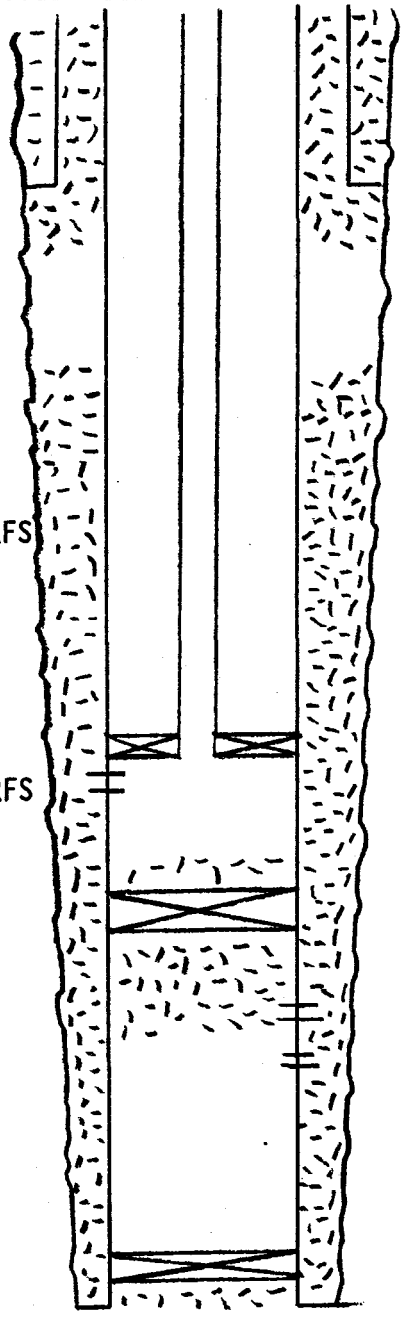
5 1/2" CEMENT JOB - 1787 SXS. OF CLASS "G"

EST PBTD @ 7205'
< 5 1/2 " 17# N80 CASING @ 7,250 (7 7/8" HOLE)

RBU 16-19F
SEC. 19, T10S, R20E
UINTAH COUNTY, UTAH
DISPOSAL WELL
RIVERBEND - 1993
CNG PRODUCING CO.
DATE: NOV 1, 1993

PURPOSE: TURN THE P&A'D 16-19F (NON-COMMERCIAL GAS WELL) INTO A SALT WATER INJECTION WELL TO DISPOSE OF FIELD FORMATION WATER.

PROPOSED WELL SKETCH FOR DISPOSAL



< 8 5/8" 24# @ 418'
(12 1/4" HOLE)
225 SXS. CEMENT TO SURFACE

< TOP OF CEMENT OUTSIDE
5 1/2" @ 720'

2 3/8" 4.7# N80
TUBING
TOP OF GREEN RIVER
@ 1200'
TOP OF TDS FROM
3200-3400'

3,690-3,752 CONFINING
SHALE
3,752-3,774' INJECTION PERFS
(LATER, IF NEEDED)
3,774-3,882' CONFINING
SHALE
PACKER AT 4100'

4,086-4,138 CONFINING
SHALE
4,138-4,166' INJECTION PERFS
GREEN RIVER
4,166-4,208' CONFINING
SHALE

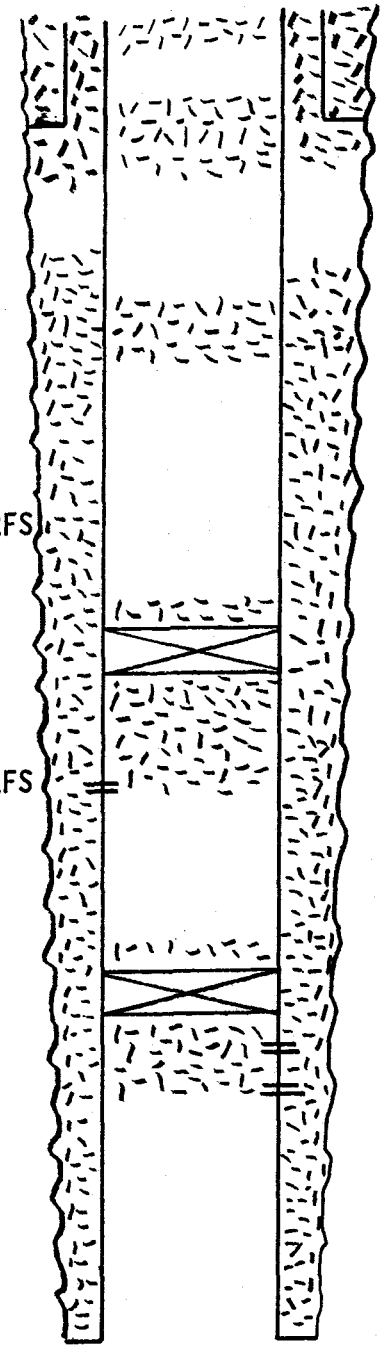
- 12 SXS ON TOP
CEMENT RETAINER @ 4700'
- 62 SXS SQUEEZED BELOW
- 4740-68 (56 HOLES)
- 5074-79, 5042-5068 (62
HOLES)
BOTH INTERVALS TESTED AT
NON-COMMERCIAL RATES
5 1/2" CEMENT JOB - 1787
SXS. OF CLASS "G"
EST PBTD @ 7205'

< 5 1/2 " 17# N80 CASING @
7,250 (7 7/8" HOLE)

RBU 16-19F
SEC. 19, T10S, R20E
UINTAH COUNTY, UTAH
DISPOSAL WELL
RIVERBEND - 1993
CNG PRODUCING CO.
DATE: NOV 1, 1993

PURPOSE: TURN THE P&A'D 16-19F (NON-COMMERCIAL GAS WELL) INTO A SALT WATER INJECTION WELL TO DISPOSE OF FIELD FORMATION WATER.

PROPOSED WELL SKETCH FOR P&A



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INSIDE 5 1/2"
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35 SXS FROM 1934-2,250'
INSIDE 5 1/2"

TOP OF GREEN RIVER @ 1200'
TOP OF TDS FROM
3200-3400'
3,690-3,752 CONFINING
SHALE
3,752-3,774' INJECTION PERFS
(LATER, IF NEEDED)
3,774-3,882' CONFINING
SHALE

10 SXS OF G CEMENT ABOVE
5 1/2" RETAINER @ 4100'
30 SXS OF G SQUEEZED BELOW

4,086-4,138 CONFINING
SHALE
4,138-4,166' INJECTION PERFS
GREEN RIVER
4,166-4,208' CONFINING
SHALE
TOP OF WASATCH @ 4590'

- 12 SXS ON TOP
CEMENT RETAINER @ 4700'
- 62 SXS SQUEEZED BELOW
- 4740-68 (56 HOLES)
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5 1/2" CEMENT JOB - 1787
SXS. OF CLASS "G"
EST PBTD @ 7205'
< 5 1/2 " 17# N80 CASING @
7,250 (7 7/8" HOLE)

ATTACHMENT O

Plan for well failures

Safety Features are:

a. Tanks will be fitted with Hi/Low Level - on/off switch to pump
b. Maximum injection pressure of 600 PSI switch to pump will be installed
c. Tanks will be leveed to hold 100% capacity.
d. Alternate disposal plans: to our current third party disposal site at Ouray, Utah

ATTACHMENT Q

Plugging and Abandonment Plan

1. Form 7520-14 (Attached)

2. Location of each proposed plug:

   a. Set 5 1/2" cement retainer at 4100'. Squeeze 30 sks of G cement below and spot 10 sks of G cement above. Plug from 4,166-4,020'. Test plug to 1,000 psi. Spot (balance plug) 35 sks - 1,934-2,250'.
   b. Spot (balance plug) 12 sks of G cement from 360-468'.
   c. Spot (balance plug) 6 sks of G cement from 50-6'.

3. Type, Grade and Quality of Cement for each plug: Class "G"

4. Method used to place each plug: Balance Method

5. Cost estimates for a third party to plug the well: Approximately $25,000

Verification includes: Form 7520-14 Plugging and Abandonment Plan

Form Approved

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

EPA

PLUGGING AND ABANDONMENT PLAN

NAME AND ADDRESS OF FACILITY	NAME AND ADDRESS OF OWNER/OPERATOR
RBU 16-19F UINTAH COUNTY, UTAH	CNG PRODUCING COMPANY CNG TOWER - 1450 POYDRAS NEW ORLEANS, LA 70112-6000

LOCATE WELL AND OUTLINE UNIT ON SECTION PLAT — 640 ACRES

N
W E
S

STATE	COUNTY	PERMIT NUMBER
UTAH	UINTAH	

SURFACE LOCATION DESCRIPTION

¼ OF SE ¼ OF SE ¼ SECTION 19 TOWNSHIP 10S RANGE 20E

LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT

Surface Location 875 ft. from (N/S) S Line of quarter section

and 882 ft. from (E/W) E Line of quarter section

TYPE OF AUTHORIZATION

- ☒ Individual Permit
- ☐ Area Permit
- ☐ Rul.

Number of Wells ____

Lease Name

WELL ACTIVITY

- ☐ CLASS I
- ☒ CLASS II
  - ☒ Brine Disposal
  - ☐ Enhanced Recovery
  - ☐ Hydrocarbon Storage
- ☐ CLASS III

Well Number RBU 16-19F

CASING AND TUBING RECORD AFTER PLUGGING

SIZE	WT(LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE
8 5/8"	24#		403'	
5 1/2"	17#		7,250'	

METHOD OF EMPLACEMENT OF CEMENT PLUGS

- ☒ The Balance Method
- ☐ The Dump Bailer Method
- ☐ The Two-Plug Method
- ☐ Other

CEMENTING TO PLUG AND ABANDON DATA:	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)	5 1/2"	8 5/8"	5 1/2"	5 1/2"			
Depth to Bottom of Tubing or Drill Pipe (ft.)	–	–	–	–			
Sacks of Cement To Be Used (each plug)	50	50	7	35			
Slurry Volume To Be Pumped (cu. ft.)	50	50	7	35			
Calculated Top of Plug (ft.)	4,000	300	0	1,934			
Measured Top of Plug (if tagged ft.)	4,000	300	0	1,934			
Slurry Wt. (Lb./Gal.)	15.6	15.6	15.6	15.6			
Type Cement or Other Material (Class III)	Grade G	Grade G	Grade G	Grade G			

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED *(If any)*

From	To	From	To
4,138'	4,166' (Injection	Perforation)	

Estimated Cost to Plug Wells

$25,000

CERTIFICATION

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

NAME AND OFFICIAL TITLE *(Please type or print)*	SIGNATURE	DATE SIGNED
W. Scot Childress Supervisor, Production Engineering	Scot Childress	11/17/93

MONITORING WELLS: NONE

PLUG AND ABANDONMENT PLAN FOR INJECTION WELL

OUR PLUGGING PLAN WILL CONSIST OF PLACING 3 CEMENT PLUGS AT THE FOLLOWING INTERVALS:

1. SET 5 1/2" CEMENT RETAINER AT 4100'. SQUEEZE 30 SXS OF G CEMENT BELOW AND SPOT 10 SXS OF G CEMENT ABOVE. PLUG FROM 4,166-4,020'. TEST PLUG TO 1,000 PSI.
2. SPOT (BALANCE PLUG) 12 SXS OF G CEMENT FROM 360-468'.
3. SPOT (BALANCE PLUG) 6 SXS OF G CEMENT FROM 50-6'.
4. CUT OFF WELLHEAD AND INSTALL DRY HOLE MARKER.
5. MOVE OFF SURFACE EQUIPMENT AND RECONDITION LOCATION.
6. ESTIMATED TOTAL COST TO PLUG - $ 25,000

ATTACHMENT R

Financial responsibility demonstration will be forwarded at a later date by separate cover letter.

ATTACHMENT T

Existing EPA permits: None

ATTACHMENT U

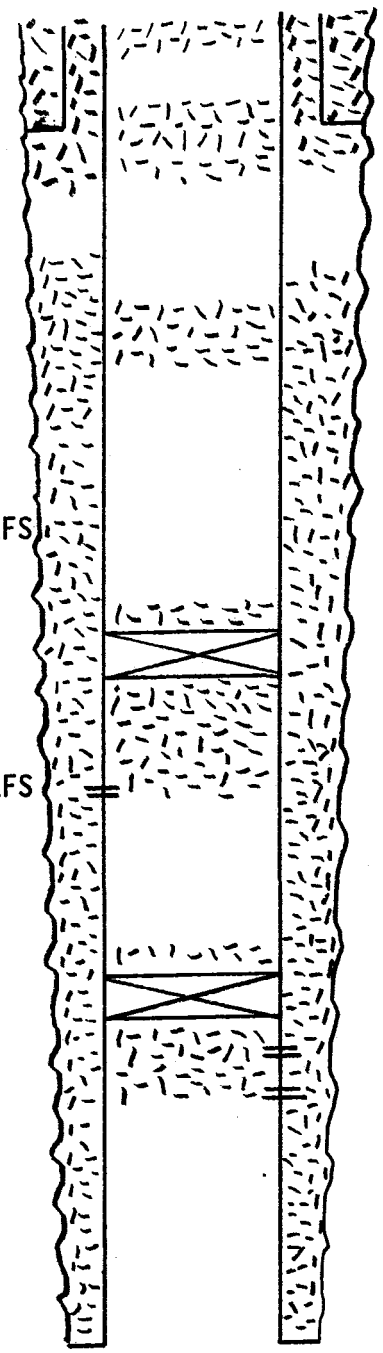
"Consolidated Natural Gas Company (CNG) operates one of the nation's largest natural gas systems and is engaged in all phases of the gas business. We explore for, produce and purchase natural gas throughout the United States; operate the country's largest network of underground gas storage fields; and sell and transport gas to markets in the Midwest, Mid-Atlantic and Northeast, serving both utilities and consumers. Other operations include gas-by products and oil production."

-Consolidated Natural Gas Company 1992 Annual Report

RBU 16-19F
SEC. 19, T10S, R20E
UINTAH COUNTY, UTAH
DISPOSAL WELL
RIVERBEND - 1993
CNG PRODUCING CO.
DATE: NOV 1, 1993

PURPOSE: TURN THE P&A'D 16-19F (NON-COMMERCIAL GAS WELL) INTO A SALT WATER INJECTION WELL TO DISPOSE OF FIELD FORMATION WATER.

PROPOSED WELL SKETCH FOR P&A



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INSIDE 5 1/2"
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5 1/2" @ 720'

35 SXS FROM 1934-2,250'
INSIDE 5 1/2"

TOP OF GREEN RIVER @ 1200'
TOP OF TDS FROM
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SHALE
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SXS. OF CLASS "G"
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ATTACHMENT O

Plan for well failures

Safety Features are:

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   b. Spot (balance plug) 12 sks of G cement from 360-468'.
   c. Spot (balance plug) 6 sks of G cement from 50-6'.

3. Type, Grade and Quality of Cement for each plug: Class "G"

4. Method used to place each plug: Balance Method

5. Cost estimates for a third party to plug the well: Approximately $25,000

Verification includes: Form 7520-14 Plugging and Abandonment Plan

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

EPA

PLUGGING AND ABANDONMENT PLAN

NAME AND ADDRESS OF FACILITY
RBU 16-19F
UINTAH COUNTY, UTAH

NAME AND ADDRESS OF OWNER/OPERATOR
CNG PRODUCING COMPANY
CNG TOWER - 1450 POYDRAS
NEW ORLEANS, LA 70112-6000

LOCATE WELL AND OUTLINE UNIT ON SECTION PLAT — 640 ACRES

N
W E
S

STATE	COUNTY	PERMIT NUMBER
UTAH	UINTAH	

SURFACE LOCATION DESCRIPTION
¼ OF SE ¼ OF SE ¼ SECTION 19 TOWNSHIP 10S RANGE 20E

LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT

Surface Location 875 ft. from (N/S) S Line of quarter section

and 882 ft. from (E/W) E Line of quarter section

TYPE OF AUTHORIZATION

- ☒ Individual Permit
- ☐ Area Permit
- ☐ Rule

Number of Wells ____

Lease Name

WELL ACTIVITY

- ☐ CLASS I
- ☒ CLASS II
  - ☒ Brine Disposal
  - ☐ Enhanced Recovery
  - ☐ Hydrocarbon Storage
- ☐ CLASS III

Well Number RBU 16-19F

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8 5/8"	24#		403'	
5 1/2"	17#		7,250'	

METHOD OF EMPLACEMENT OF CEMENT PLUGS

- ☒ The Balance Method
- ☐ The Dump Bailer Method
- ☐ The Two-Plug Method
- ☐ Other

CEMENTING TO PLUG AND ABANDON DATA:	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)	5 1/2"	8 5/8"	5 1/2"	5 1/2"			
Depth to Bottom of Tubing or Drill Pipe (ft.)	–	–	–	–			
Sacks of Cement To Be Used (each plug)	50	50	7	35			
Slurry Volume To Be Pumped (cu. ft.)	50	50	7	35			
Calculated Top of Plug (ft.)	4,000	300	0	1,934			
Measured Top of Plug (if tagged ft.)	4,000	300	0	1,934			
Slurry Wt. (Lb./Gal.)	15.6	15.6	15.6	15.6			
Type Cement or Other Material (Class III)	Grade G	Grade G	Grade G	Grade G			

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED *(If any)*

From	To	From	To
4,138'	4,166' (Injection Perforation)		

Estimated Cost to Plug Wells
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CERTIFICATION

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NAME AND OFFICIAL TITLE *(Please type or print)*	SIGNATURE	DATE SIGNED
W. Scot Childress Supervisor, Production Engineering	Scot Childress	11/17/93

MONITORING WELLS: NONE

PLUG AND ABANDONMENT PLAN FOR INJECTION WELL

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2. SPOT (BALANCE PLUG) 12 SXS OF G CEMENT FROM 360-468'.
3. SPOT (BALANCE PLUG) 6 SXS OF G CEMENT FROM 50-6'.
4. CUT OFF WELLHEAD AND INSTALL DRY HOLE MARKER.
5. MOVE OFF SURFACE EQUIPMENT AND RECONDITION LOCATION.
6. ESTIMATED TOTAL COST TO PLUG - $ 25,000

ATTACHMENT R

Financial responsibility demonstration will be forwarded at a later date by separate cover letter.

ATTACHMENT T

Existing EPA permits: None

ATTACHMENT U

"Consolidated Natural Gas Company (CNG) operates one of the nation's largest natural gas systems and is engaged in all phases of the gas business. We explore for, produce and purchase natural gas throughout the United States; operate the country's largest network of underground gas storage fields; and sell and transport gas to markets in the Midwest, Mid-Atlantic and Northeast, serving both utilities and consumers. Other operations include gas-by products and oil production."

-Consolidated Natural Gas Company 1992 Annual Report

CNG Producing Company

A **CNG** COMPANY

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

RECEIVED
DEC 27 1993
DIVISION OF
OIL, GAS & MINING

December 23, 1993

Mr. Dan Jarvis
Utah Board of Oil Gas & Mining
355 West North Temple
3 Triad Center - Suite 350
Salt Lake City, UT 84180-1203

RE: RBU 16-19F
Application for Disposal Well
UIC Form 1

Dear Mr. Jarvis:

Per you request enclosed please find UIC Form 1 for the above referenced well. Please attach this to our previously submitted EPA Application for Permit for Disposal.

River Bend Unit is on land leased from the Bureau of Land Management. The BLM has already been notified of the proposed disposal well as surface owner. CNG is the only operator within a half mile radius of RBU 16-19F well.

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

Sincerely,

Susan H. Sachitana

Susan H. Sachitana
Regulatory Specialist

Enclosure

cc: Ed Forsman - Bureau of Land Management
Yvonne Abadie
Scot Childress
Brian Coffin
Darwin Kulland

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

RECEIVED
DEC 27 1993
DIVISION OF
OIL GAS & MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR CNG PRODUCING COMPANY
ADDRESS CNG TOWER - 1450 POYDRAS STREET
NEW ORLEANS, LA 70112-6000

Well name and number: RBU 16-19F

Field or Unit name: River Bend Unit Lease no. U-012769-A

Well location: QQ SESE section 19 township 10S range 20E county Uintah

Is this application for expansion of an existing project? . . Yes [] No [X]

Will the proposed well be used for: Enhanced Recovery? . . Yes [] No [X]
Disposal? . . . . . Yes [X] No []
Storage? . . . . . Yes [] No [X]

Is this application for a new well to be drilled? . . . . . Yes [] No [X]

If this application is for an existing well,
has a casing test been performed on the well? . . . . . Yes [X] No []
Date of test: March 12, 1992
API number: 43-047-32070

Proposed injection interval: from 3,752' 4,138' to 3,774' 4,166'

Proposed maximum injection: rate 500 BWPD pressure 300 psig

Proposed injection zone contains [] oil, [X] gas, and/or [] fresh water within ½ mile of the well.

IMPORTANT: Additional information as required by R615-5-2 should accompany this form.

List of Attachments:

I certify that this report is true and complete to the best of my knowledge.

Name W. Scot Childress Signature Scot Childress
Title Supervisor, Production Eng. Date December 17, 1993
Phone No. (504) 593-7574

(State use only)
Application approved by Title
Approval Date

Comments:

(3/89)

AFFIDAVIT

RBU 16-19F well is located SESE of Sec 19-T10S-R20E in lease U-012769-A. This lease is owned by the Bureau of Land Management and mineral rights leased to CNG Producing Company. The BLM has previously been notified of the proposed disposal well as a surface owner. The RBU 16-19F well lies within the River Bend Unit which is operated by CNG Producing Company. There are no other operators within a half mile radius of the RBU 16-19F.

Paul P. Gregg

Paul P. Gregg
Senior Vice-President & Chief Financial Officer

NOTARIZED

STATE OF Louisiana

PARISH OF Orleans, TO WIT:

I, Jill A. Giberga, a Notary Public in the state and county aforesaid, do certify that Paul P. Gregg, whose name is signed to the writing above, bearing date the 23rd day of December, 1993, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 23rd day of December, 1993.

My term of office expires on the — day of —, 19—.

JILL A. GIBERGA
Notary Public
Parish of Orleans, State of Louisiana
My Commission is issued for Life.

Jill A. Giberga
Notary Public

State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

January 14, 1994

Newspaper Agency Corporation
Legal Advertising
157 Regent Street
Salt Lake City, Utah 84110

Re: Notice of Agency Action - Cause No. UIC-145

Gentlemen:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Sincerely,

Lisa D. Clement

Lisa D. Clement
Administrative Secretary

Enclosure
WOI168

State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

January 14, 1994

Vernal Express
P.O. Box 1000
54 North Vernal Avenue
Vernal, Utah 84078

Re: Notice of Agency Action - Cause No. UIC-145

Gentlemen:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Sincerely,

Lisa D. Clement

Lisa D. Clement
Administrative Secretary

Enclosure
WOI168

CNG Producing Company
River Bend Unit 16-19F Well
Cause No. UIC-145

Publication Notices were sent to the following:

Newspaper Agency Corporation
Legal Advertising
157 Regent Street
Salt Lake City, Utah 84110

Vernal Express
P.O. Box 1000
54 North Vernal Avenue
Vernal, Utah 84078

Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, Utah 84078

CNG Producing Company
CNG Tower - 1450 Poydras Street
New Orleans, Louisiana 70112-6000

U.S. Environmental Protection Agency
Region VIII
Attn: Tom Pike
999 18th Street
Denver, Colorado 80202-2466

Lisa D. Clement

Lisa D. Clement
Administrative Secretary
January 14, 1994

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

---ooOoo---

IN THE MATTER OF THE APPLICATION OF CNG PRODUCING COMPANY FOR ADMINISTRATIVE APPROVAL OF THE RIVER BEND UNIT 16-19F WELL LOCATED IN SECTION 19, TOWNSHIP 10 SOUTH, RANGE 20 EAST, S.L.M., UINTAH COUNTY, UTAH, AS A CLASS II INJECTION WELL	:	NOTICE OF AGENCY ACTION CAUSE NO. UIC-145

---ooOoo---

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider for administrative approval, the application of CNG Producing Company for conversion of the River Bend Unit 16-19F Well, located in Section 19, Township 10 South, Range 20 East, Uintah County, Utah, to a Class II injection well. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

The Green River Formation from 3752 feet to 4166 feet will be selectively perforated for water injection. The maximum pressure and rate will be determined after conducting step rate pressure testing following conversion of the well.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

DATED this 14th day of January, 1994.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

R.J. Firth
Associate Director

WUI101

PROOF OF PUBLICATION

STATE OF UTAH,

{ SS.

County of Uintah

I, Judy McCarley,
begin duly sworn, depose and say, that I am the Business Manager of The Vernal Express, a weekly newspaper of general circulation, published each week at Vernal, Utah, that the notice attached hereto was published in said newspaper

for 1 publications,

the first publication having been made on

the 26th day of January, 1994 and the last

on the 26th day of January, 1994, that

said notice was published in the regular and entire issue of every number of the paper during the period and times of publication, and the same was published in the newspaper proper and not in a supplement.

By.....
Manager

Subscribed and sworn to before me, this 26th day of January A.D. 1994.

.....
Notary Public, Residence, Vernal, Utah

JACK R MALLIS
Notary Public
STATE OF UTAH
My Comm. Expires JUN 18, 1997
54 N VERNAL AVE VERNAL UT 84078

NOTICE OF AGENCY ACTION
CAUSE NO. UIC-145
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH

IN THE MATTER OF THE APPLICATION OF CNG PRODUCING COMPANY FOR ADMINISTRATIVE APPROVAL OF THE RIVER BEND UNIT 16-19F WELL LOCATED IN SECTION 19, TOWNSHIP 10 SOUTH, RANGE 20 EAST, S.L.M., UINTAH COUNTY, UTAH, AS A CLASS II INJECTION WELL

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Dated this 14th day of January, 1994.
State of Utah
Division of Oil, Gas and Mining
R.J. FIRTH
Associate Director

Published in the Vernal Express January 26, 1994.

143 SOUTH MAIN ST.
P.O. BOX 45838
SALT LAKE CITY, UTAH 84145
FED. TAX I.D. # 87-0217663

Newspaper Agency Corporation

The Salt Lake Tribune (NAC) DESERET NEWS

CUSTOMER'S COPY

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DIV OF OIL, GAS & MINING 355 W NO TEMPLE, #350 SALT LAKE CITY, UT 84180	LE-5385340	01/24/94

FOR BILLING INFORMATION
CALL (801) 237-2822

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKKEEPER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF NOTICE OF AGENCY ACTIONCAUSE NO. UIC-145BEFOR FOR DIV OF OIL, GAS & MINING WAS PUBLISHED BY THE NEWSPAPER AGENCY CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCURATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH.

PUBLISHED ON JAN 24 1994

SIGNATURE

DATE 01/24/94

NOTICE OF AGENCY ACTION
CAUSE NO. UIC-145
BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES, STATE OF UTAH

IN THE MATTER OF THE APPLICATION OF CNG PRODUCING COMPANY FOR ADMINISTRATIVE APPROVAL OF THE RIVER BEND UNIT 16-19F WELL LOCATED IN SECTION 19, TOWNSHIP 10 SOUTH, RANGE 20 EAST, S.L.M., UINTAH COUNTY, UTAH, AS A CLASS II INJECTION WELL

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DATED this 14th day of January, 1994.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
/s/ R. J. Firth
Associate Director
1K820080

ACCOUNT NAME	TELEPHONE
GAS & MINING	801-538-5340
SCHEDULE	AD NUMBER
	1K820080
. NO. / CAPTION	MISC.CHARGES
NOTICE OF AGENCY ACTIONCAUSE NO. UIC-145BEFOR	.00

SIZE	TIMES	RATE	AD CHARGE
1 COLUMN	1	1.64	118.08
BLE ON RECEIPT OF THIS INVOICE		TOTAL AMOUNT DUE	118.08

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JNT NUMBER	AD NUMBER	BILLING DATE	PAY THIS AMOUNT
-5385340	1K820080	01/24/94	118.08

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SALT LAKE CITY, UTAH 84145-0838

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DIV OF OIL, GAS & MINING
355 W NO TEMPLE, #350
SALT LAKE CITY, UT 84180

PLEASE REMOVE THIS STUB

0761137062008060000000000000118081872248173119171111111111111122919

DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM

PERMIT
DECISION DOCUMENT

Applicant: CNG Operating Co. **Well:** RBU 16-19F

Location: Natural Buttes, Uintah County

Ownership Issues: The proposed well is located in section 19, township 10 south, range 20 east, Uintah, County, Utah. The surface and minerals within a 1/2 mile of the well is owned by the federal government. CNG has provided an affidavit stating that all interested parties have been notified of their intent to convert the well to injection. CNG Operating is the operator of all leases in the 1/2 mile area.

Well Integrity: The well proposed for injection is the River Bend Unit 16-19F. The well is an existing Plugged and abandoned well. It has an 8 5/8" surface casing set at 418 feet and cemented to surface. A 5 1/2" longstring was set at 7250 feet, with a cement top at 720 feet determined from a cement bond log. The proposed injection interval is from 4138 to 4166 feet, (Green River Formation). The operator has also requested that the interval from 3752-3774 feet (Green River Formation) be approved for injection. A 2 3/8" tubing will be set in a packer at 4100 feet .This construction should adequately protect all USDW's. There are 2 producing wells in the 1/2 mile area of review. All wells in the AOR have sufficient cement behind the longstring and have adequate surface casing to prevent any migration of fluid up the hole. A casing test should be performed at the time of conversion and a casing/tubing pressure test should be performed prior to injection. A maximum pressure of ~~300~~ 900 psig was requested, however data provided indicates that the fracture gradient at this location is .73, which would allow a maximum surface pressure of 1125 psi.

Ground Water Protection: The base of moderately saline water is approximately at a depth of 3400 feet in the area of the project. Any shallow fresh water zones will be adequately protected by existing constructions of surrounding wells and the proposed construction of the injection well. No corrective action is needed.

Oil/Gas & Other Mineral Resources Protection: CNG Operating Company is the operator of the River Bend Unit. The proposed zone of injection should have no adverse affects on any offset production.

Bonding: All the wells in the section are operated by CNG and are covered by a Federal bond.

Actions Taken and Further Approvals Needed: A public notice for the RBU 16-19F

well will be published in both the Salt Lake Tribune and the Vernal Express. Administrative approval can be granted for the injection well after a 15 day comment period if no objections are received. Additional action needed for approval are as follows; The proposed zone of injection (lower interval 4138-4166 feet) needs to be swabbed and a representative water sample obtained and analyzed to determine the quality of the water. Results should be forwarded to the Division for final approval of the permit. A mechanical integrity test needs to be run. A step rate test should be run to verify submitted fracture data, approval to inject into the upper perforations (3752-3774 feet) will be contingent on results of water analysis from this zone and conducting a casing/tubing pressure test once the packer has been moved.

DJJ
Reviewers

01-07-94
Date

CNG Producing Company

A **CNG** COMPANY

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

February 25, 1994

FEB 28 1994

Mr. Ed Forsman
U.S. Department of the Interior
Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, UT 84078

Sec 19 T10S R20E
43-047-32070

Dear Ed,

The BLM has a concern with three producing Wasatch gas wells (RBU 5-19F, RBU 13-17F and RBU 15-18F -- see attached map) that surround CNGP's proposed RBU 16-19F water injection well in Section 19-T10S-R20E in our Riverbend Unit. The issue is that all three wells do not have CBL or temperature logs over the injection interval from approximately 4,100-4,200'.

What I would like to show from the attached 5" log sections for the three surrounding wells is that apparently the injection sand from 4,138-4,166' in the proposed RBU 16-19F has little aerial extent and is not seen in these wells, hence communication from the injection sand to these wells cannot occur.

Based on this information, CNGP would like to ask for a waiver on having to run a CBL log on the three wells and to continue the permitting process for the RBU 16-19F. The EPA has informed me this week that final approval for injection should be received in early March.

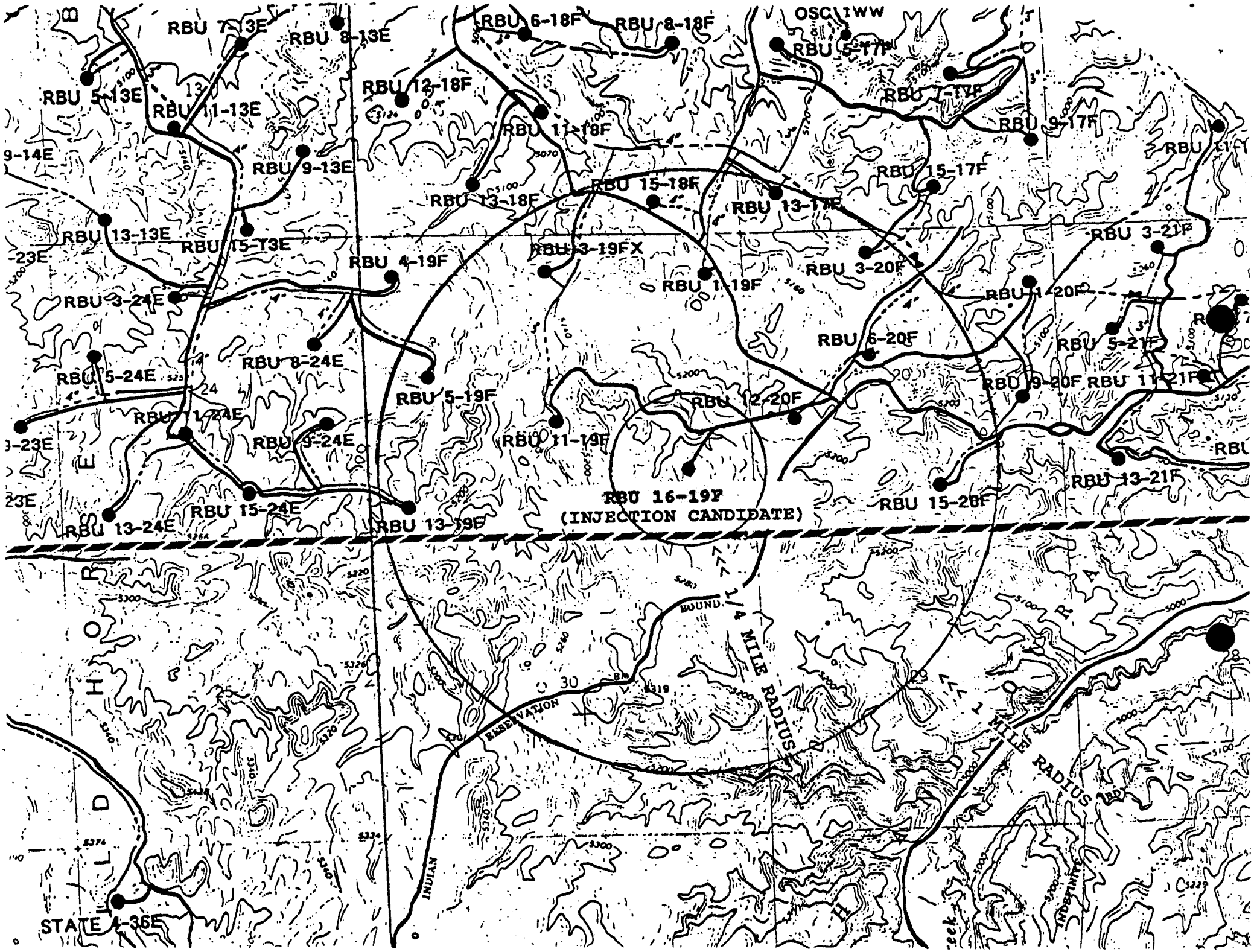
Sincerely,

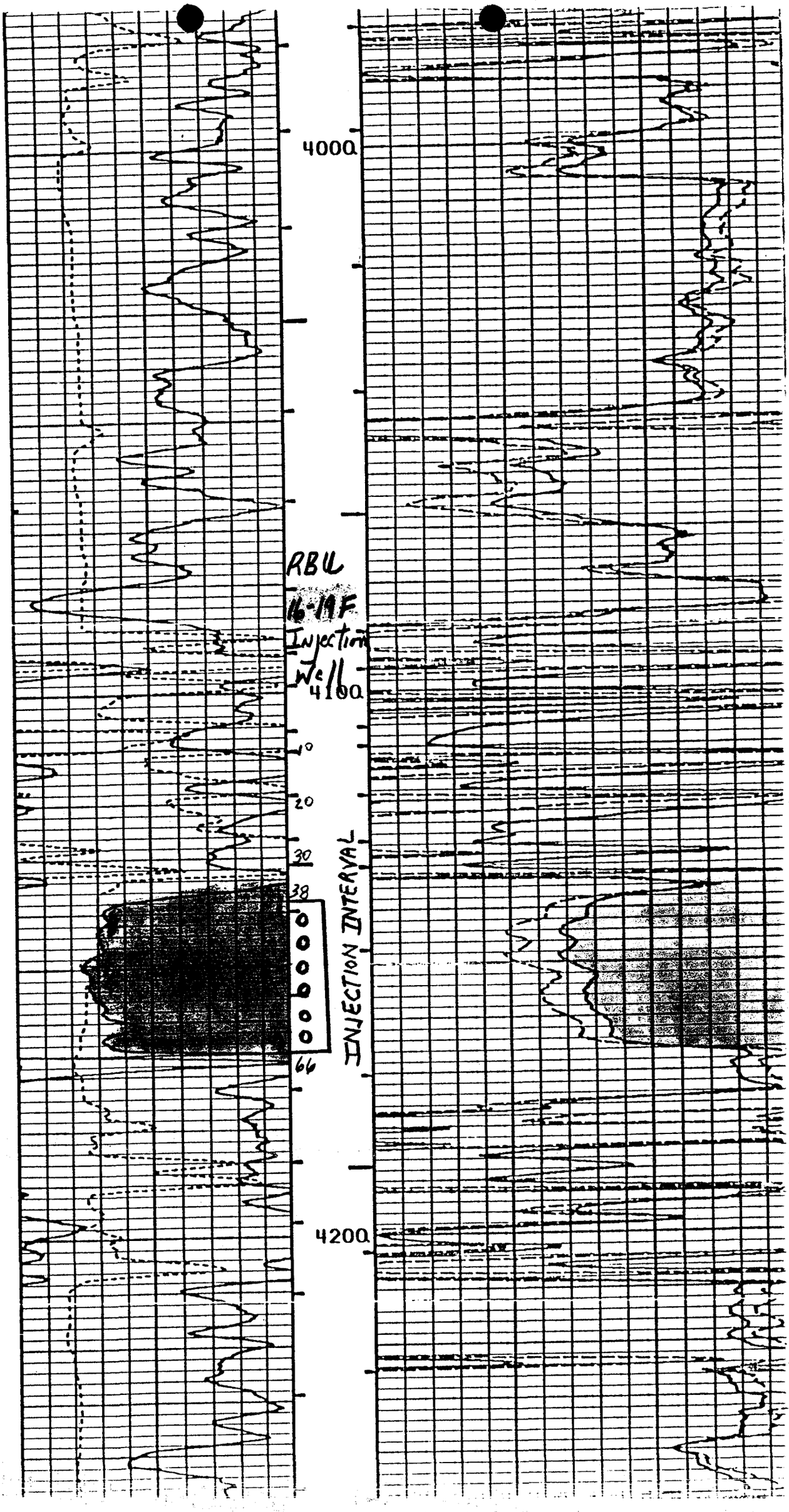
Scot Childress

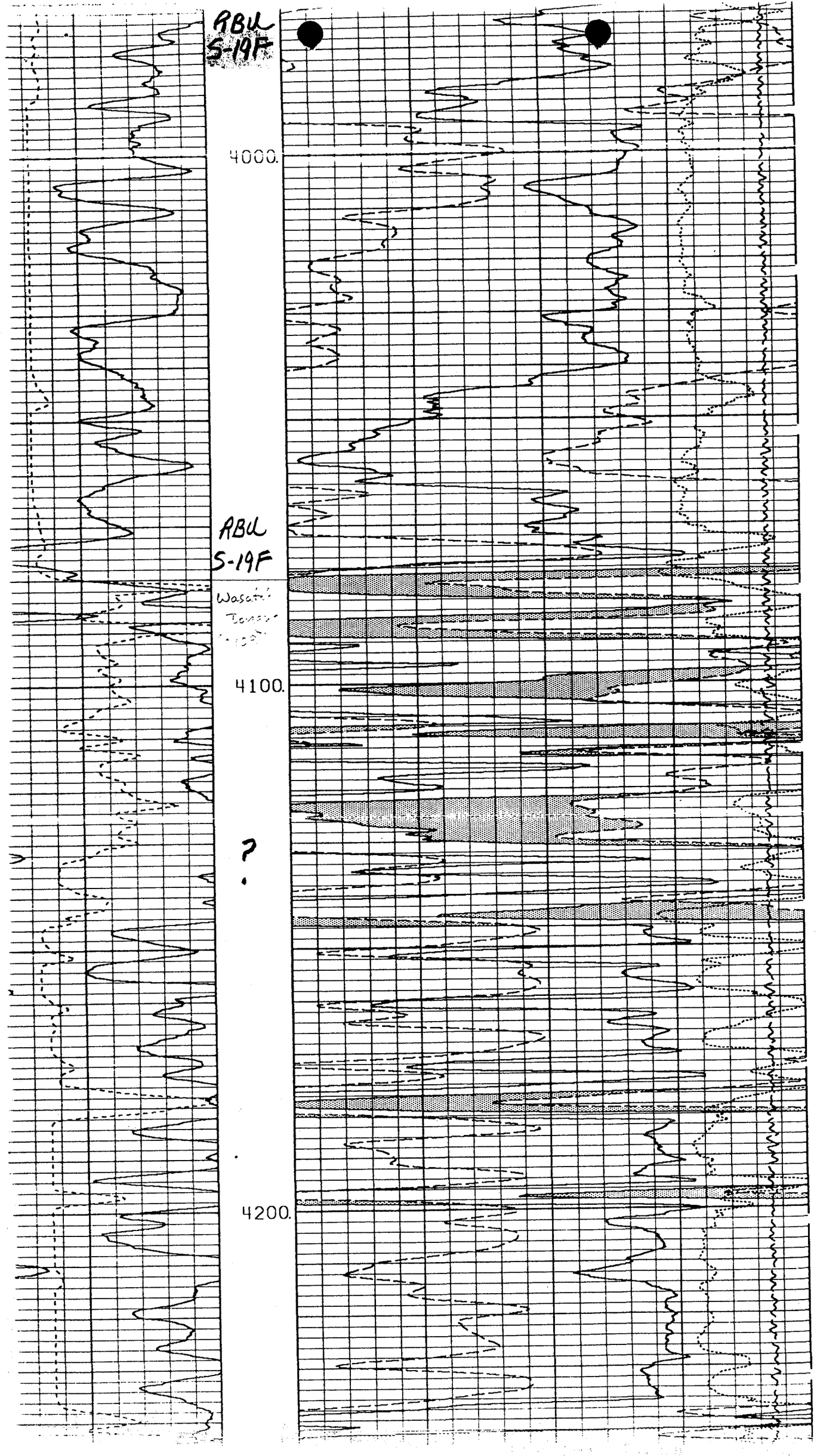
Scot Childress
Supervisor, Production Engineering

Enclosure

cc: Chuck Williams - EPA
Tammy Searing - Utah Board of Oil Gas & Mining
Darwin Kulland
Yvonne Abadie
Well History


RBU 7-13E
RBU 8-13E
RBU 6-18F
RBU 8-18F
OSC 1WW
RBU 5-17F
RBU 5-13E
RBU 11-13E
RBU 12-18F
RBU 7-17F
RBU 9-17F
RBU 11-18F
RBU 9-13E
RBU 15-17F
RBU 15-18F
RBU 13-18F
RBU 13-17F
RBU 13-13E
RBU 15-13E
RBU 3-21F
RBU 4-19F
RBU 3-19FX
RBU 3-20F
RBU 1-19F
RBU 3-24E
RBU 11-20F
RBU 6-20F
RBU 5-21F
RBU 8-24E
RBU 5-24E
RBU 5-19F
RBU 9-20F
RBU 11-21F
RBU 12-20F
RBU 11-24E
RBU 9-24E
RBU 11-19F
RBU 13-21F
RBU 16-19F
(INJECTION CANDIDATE)
RBU 15-20F
RBU 15-24E
RBU 13-24E
RBU 13-19F
1/4 MILE RADIUS
1 MILE RADIUS
INDIAN RESERVATION
STATE 1-36E


4000
RBU
16-19F
Injection
Well
4100
10
20
30
38
INJECTION INTERVAL
66
5
4200


RBU
S-19F
4000.
RBU
S-19F
Wasatch
Tongue
4100.
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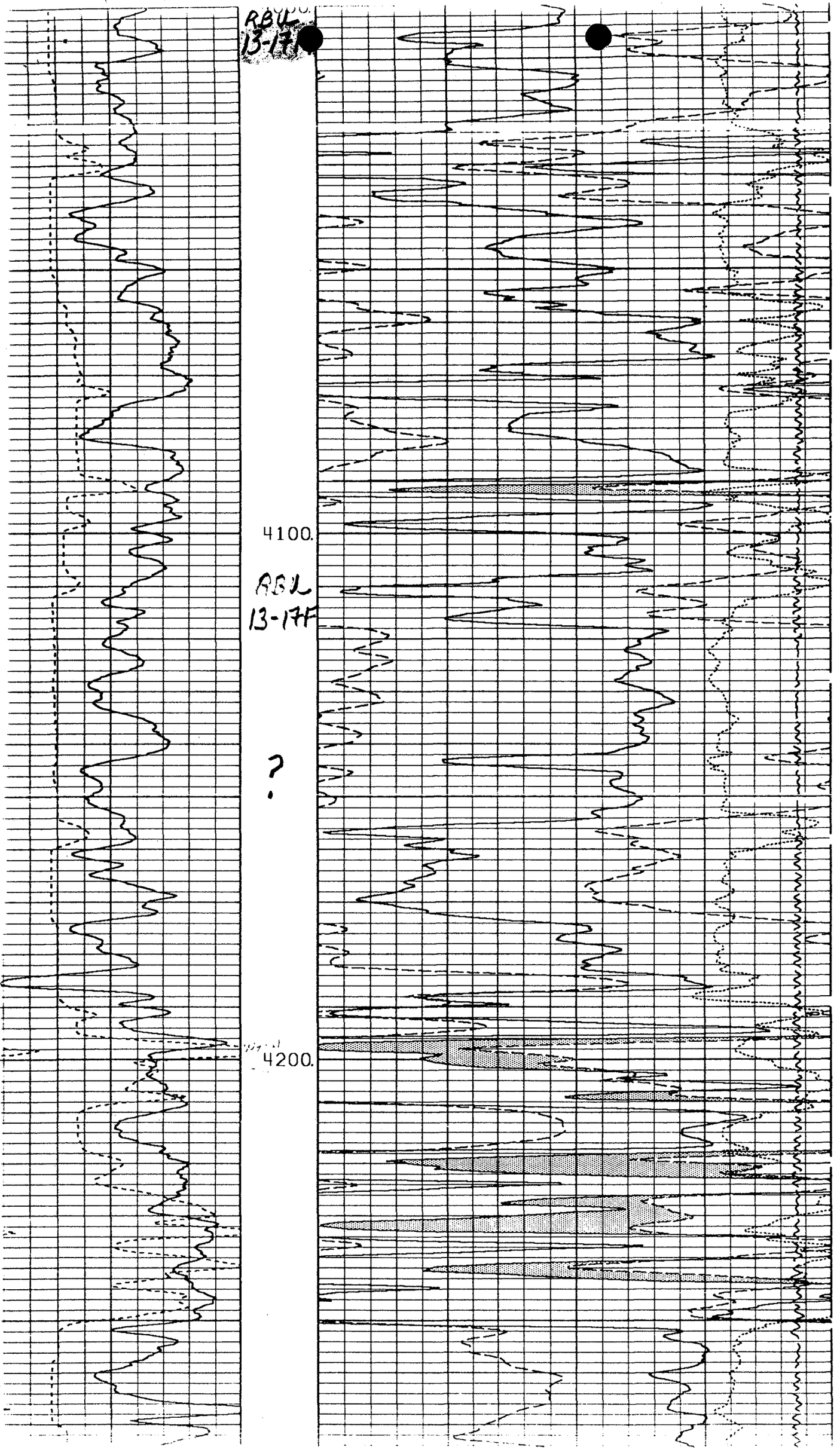
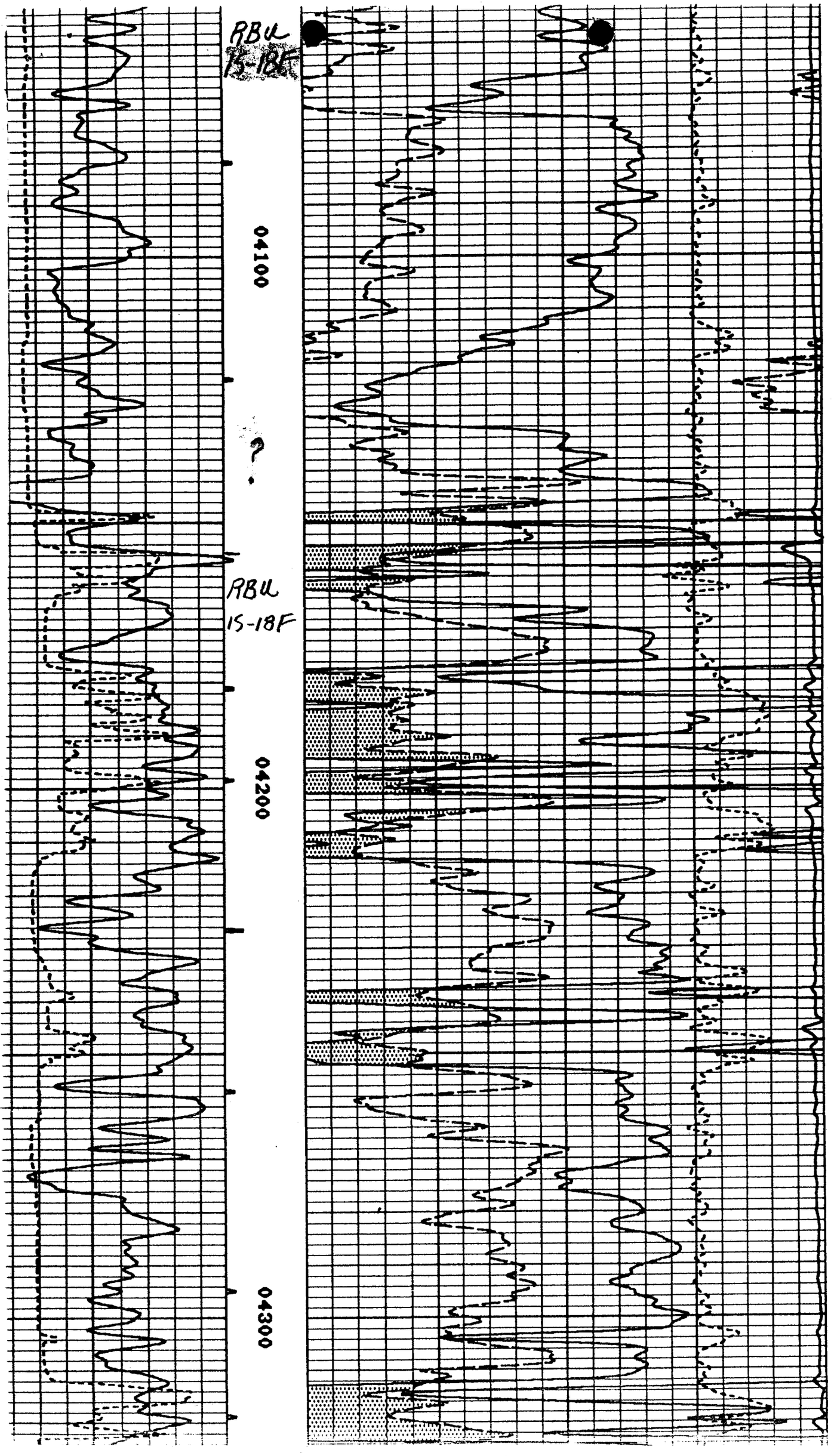
4200.


RBL
13-17F
4100.
RBL
13-17F
?
4200.


RBU
15-18F
04100
?
RBU
15-18F
04200
04300

State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

March 2, 1994

CNG Operating Company
1459 Poydras Street
New Orleans, LA 70112

Re: River Bend Unit 16-19F Well, Section 19, Township 10 South, Range 20 East, Uintah County, Utah

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.

2. Conformance with all conditions and requirements of the complete application submitted by CNG Operating Company.

3. The proposed zone of injection (lower interval from 4138 feet to 4166 feet) should be swab tested and a representative water sample obtained for analysis. The report of the analysis should be forwarded to the Division.

4. Conduct a mechanical integrity test and a step-rate test to determine fracture gradient information.

Following completion of the well conversion work, pressure testing and other operations and submittal of the required documents to the Division, a final UIC permit will be issues. If you have any questions regarding this approval or the necessary requirements, please contact Dan Jarvis at this office.

Sincerely,

R.J. Firth
Associate Director

ldc
cc: Dan Jackson, Environmental Protection Agency
Bureau of Land Management, Vernal
W602

43-047-32070

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
WORKOVER AND COMPLETION FORM

COMPANY: CNG Producing COMPANY REP: Mitch Hall

WELL NAME: RBU 16-19-F API NO: _____

SECTION: 19 TWP: 10S RANGE: 20E

CONTRACTOR: Flint RIG NUMBER: 1472

INSPECTOR: David W. Hackford TIME: 2:45 PM AM/PM DATE: 4/12/94

OPERATIONS AT THE TIME OF INSPECTION: Drill out cement plug.

==========

WELL SIGN: yes TYPE OF WELL: WDW STATUS PRIOR TO WORKOVER: PA

H2S: NA ENVIRONMENTAL: OK PIT: no BOPE: yes

DISPOSITION OF FLUIDS USED: Rig tank; water truck.

DOES THIS WORKOVER QUALIFY FOR STATE TAX CREDITS: (Y/N) NA

PERFORATED: X STIMULATED: X SAND CONTROL: _____

WATER SHUT OFF: _____ WELLBORE CLEANOUT: X WELL DEEPENED: _____

CASING OR LINER REPAIR: _____ ENHANCED RECOVERY: _____ THIEF ZONE: _____

CHANGE OF LIFT SYSTEM: _____ TUBING CHANGE: _____ OTHER CEMENT SQUEEZE: _____

SURFACE EQUIPMENT CHANGES OR ASSOCIATED COSTS DO NOT QUALIFY FOR CREDITS.

==========

REMARKS:

Well was PA'd. CNG plans to clean out wellbore to 4200' and shoot six perfs per foot between 4138' and 4166' and convert well to WDW.

CNG Producing Company

A CNG COMPANY

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

April 13, 1994

Mr. Ed Forsman
U.S. Dept. of the Interior
Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, UT 84078

RECEIVED
APR 14 1994
DIV. OF OIL, GAS & MINING

RE: River Bend Unit
Applications for Permit To Drill
RBU 16-19F Sec. 19-T10S-R20E

Re-entry to convert to WDW

Dear Ed:

Enclosed please find an original and two copies of the above referenced application. Attachment to this application includes the following:

Attachment No. 1 Location
Attachment No. 2 Certification Statement
Attachment No. 3 BOP Stack Schematic
Attachment No. 4 Workover Plan
Attachment No. 5 13 Point Surface Use Plan
Attachment No. 6 Water Permit

CNG Producing Company is requesting all information be held confidential.

Should you have any question please feel free to contact either myself at (504) 593-7260 or the project engineer, Scot Childress at (504) 593-7574.

Sincerely,

Susan H. Sachitana

Susan H. Sachitana
Regulatory Specialist

Enclosure

cc: Utah Board of Oil, Gas & Mining

(November 1983)
(formerly 9-331C)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL [X] DEEPEN [ ] PLUG BACK [ ] Reentry

b. TYPE OF WELL
OIL WELL [ ] GAS WELL [ ] OTHER DISPOSAL SINGLE ZONE [ ] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR
CNG PRODUCING COMPANY

3. ADDRESS OF OPERATOR
CNG Tower, 1450 Poydras St., New Orleans, LA 70112-6000

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface
882' FEL & 875' FSL
At proposed prod. zone
Same

CONFIDENTIAL

5. LEASE DESIGNATION AND SERIAL NO.
U-013769-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
River Bend Unit

8. FARM OR LEASE NAME
RBU

9. WELL NO.
16-19F

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
19-T10S-R20E

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

12. COUNTY OR PARISH: Uintah
13. STATE: Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line if any): 1,150'

16. NO. OF ACRES IN LEASE: 196.27

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: 875'

19. PROPOSED DEPTH: 6,700'

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5,233' GR

22. APPROX. DATE WORK WILL START
AS SOON AS POSSIible

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	Cement to Surface
7 7/8"	5 1/2"	17#	+/-6,700	Cement Calc to Surface

1. RIG UP PULLING UNIT AND MOVE IN TWO FRAC TANKS WITH FIELD FORMATION WATER.
2. NIPPLE DOWN TREE AND NIPPLE UP BOPS.
3. DRILL UP PLUGS (SEE ATTACHED SCHEMATIC) AT THE SURFACE, AT 360' AND AT 2,250'. CLEAN WELL OUT TO 4,500'. TEST CASING TO 2500 PSI.
4. PERFORATE FROM 4,138-4,166' WITH A 4" GUN AT 6 SPF.
5. TRIP IN HOLE WITH COATED 2 3/8" TUBING AND SET INJECTION PACKER AT 4,000'. NIPPLE DOWN BOPS AND NIPPLE UP TREE.
6. ACIDIZE WELL WITH 3,000 GALLONS OF HEATED 15% HCL ACID. FLOW BACK AND THEN SWAB TEST. CATCH FLUID FOR WATER ANALYSIS AT END OF TEST AND SEND TO DOWELL.
7. PERFORM FOUR POINT INJECTION TEST AT 1/4, 1/2, 3/4 AND 1 BPM.
8. HOOP-UP SURFACE EQUIPMENT.

FORMATION TOPS	DEPTHS
Wasatch Tongue	3,850'
Chapita Wells	5,100'
Uteland Buttes	6,200'

CONFIDENTIAL

RECEIVED
APR 14 1994
DIV. OF OIL, GAS & MINING

CNG Producing respectfully request that all information concerning this well be held confidential.

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 depth. Give blowout preventer program, if any.

24.
SIGNED W. Scot Childress TITLE Supervisor, Production Engineering DATE 04/13/94

(This space for Federal or State office use)
PERMIT NO. 43-047-32070 APPROVAL DATE
APPROVED BY TITLE DATE
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 4/18/94
BY:
WELL SPACING: R649-3-2

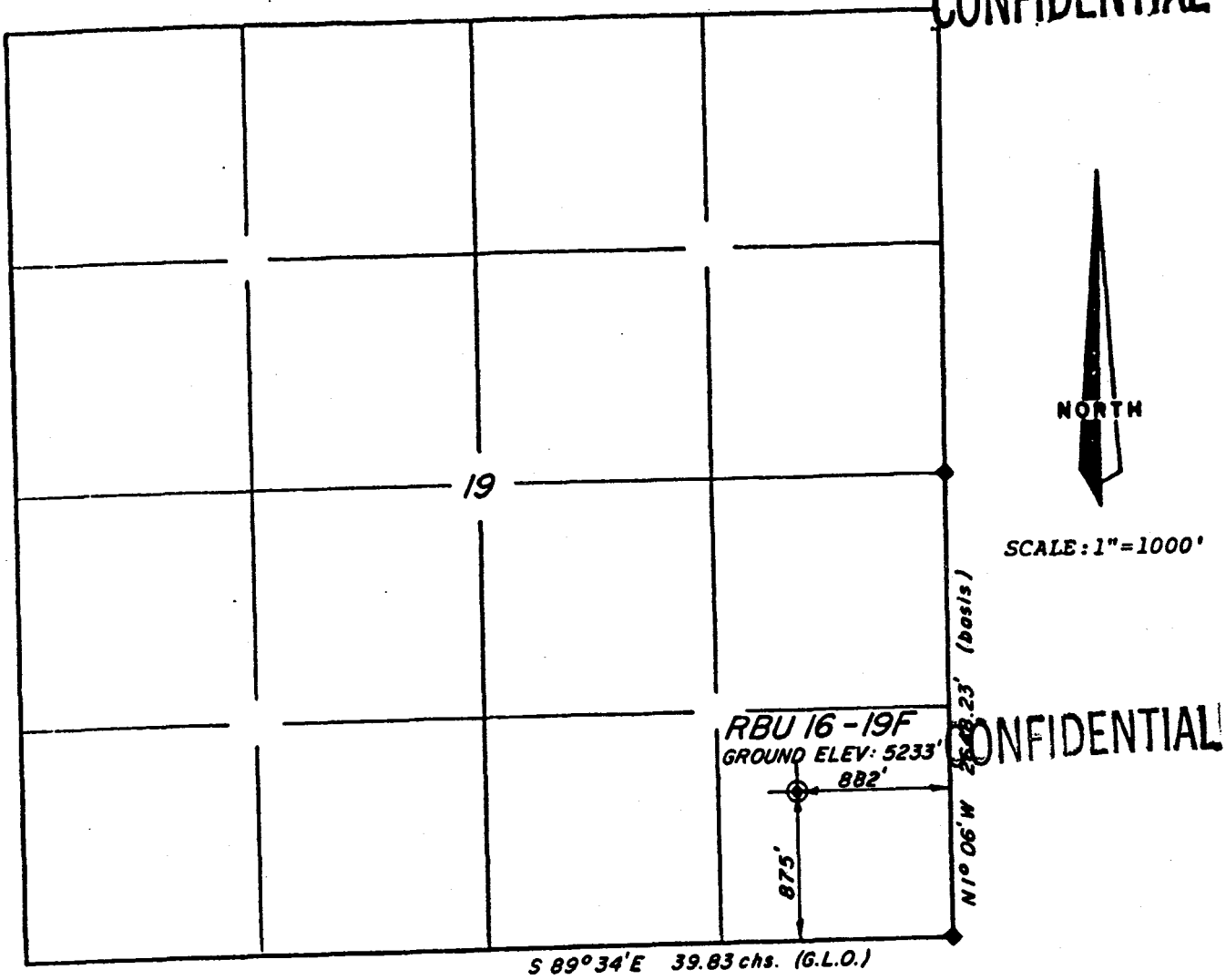
*See Instructions On Reverse Side

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 CO.
WELL LOCATION PLAT
RBU 16-19F

LOCATED IN SE SE¼ OF THE SE¼ OF SECTION 19, T10S, R20E, S.L.B.&M.

CONFIDENTIAL



CONFIDENTIAL

LEGEND & NOTES

◆ Monuments found and used by this survey.

The General Land Office plat (G.L.O.) plat was used for reference and calculations as well as the U.S.G.S. quadrangle map.

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 & ASSOCIATE
Surveying & Engineering Consultants
121 North Center Street
P.O. Drawer C
DUCHESNE, UTAH 84021
(801) 738-5352

6 Aug '91

79-128-183

APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 04/14/94

API NO. ASSIGNED: 43-047-32070

WELL NAME: RBU 16-19F (RE-ENTRY DISPOSAL)
OPERATOR: CNG PRODUCING COMPANY (N0605)

PROPOSED LOCATION:
SESE 19 - T10S - R20E
SURFACE: 0882-FEL-0875-FSL
BOTTOM: 0882-FEL-0875-FSL
UINTAH COUNTY
NATURAL BUTTES FIELD (630)

LEASE TYPE: FED
LEASE NUMBER: U-013769-A

INSPECT LOCATION BY: / /		
TECH REVIEW	Initials	Date
Engineering		
Geology	BJ.	4/15/94
Surface		

RECEIVED AND/OR REVIEWED:

✓ Plat SEE PREVIOUS APD
___ Bond: Federal[✓] State[] Fee[]
(Number 524-7050)
N Potash (Y/N)
Y Oil shale (Y/N)
Y Water permit
(Number OSC #1)
N RDCC Review (Y/N)
(Date:)

LOCATION AND SITING:

✓ R649-2-3. Unit: UTU 63047X
✓ R649-3-2. General.
___ R649-3-3. Exception.
___ Drilling Unit.
Board Cause no: ___
Date: ___

COMMENTS: Reentry to convert to WDW

STIPULATIONS:

Uintah County
BLM - Vernal

State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

April 18, 1994

CNG Producing Company
CNG Tower 1450 Poydras Street
New Orleans, Louisiana 70112-6000

Re: RBU 16-19F Well, 882' FEL, 875' FSL, SE SE, Sec. 19, T. 10 S., R. 20 E., Uintah County, Utah

Gentlemen:

Pursuant to Utah Admin. R. 649-3-2, Location and Siting of Wells and Utah Admin. R. 649-3-4, Permitting of Wells to be Drilled, Deepened or Plugged-Back, approval to drill the referenced well is hereby granted.

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

1. Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules.

2. Notification to the Division within 24 hours after drilling operations commence.

3. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.

4. Submittal of the Report of Water Encountered During Drilling, Form 7.

5. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or K. Michael Hebertson, Reclamation Specialist, (Home) (801)269-9212.

6. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-047-32070.

Sincerely,

R.J. Firth
Associate Director

ldc
Enclosures
cc: Uintah County Assessor
Bureau of Land Management, Vernal District Office
WOI1

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

ENTITY ACTION FORM - FORM 6

OPERATOR CNG Producing Company OPERATOR ACCT. NO. N0605

ADDRESS CNG Tower
1450 Poydras Street
New Orleans, LA 70112-6000

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B ~~E~~	99999	07050	43-047-32070	RBU 16-19F (DISPOSAL)	SE SE	19	10S	20E	Uintah	04/12/94	

WELL 1 COMMENTS: This well is located within River Bend Unit on BLM land. It was P&A'd and is being redrilled as a disposal well.
Entity added 4-27-94. Lec

WELL 2 COMMENTS:

WELL 3 COMMENTS:

WELL 4 COMMENTS:

WELL 5 COMMENTS

ACTION CODES (See instruction on back of form)
- A - establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

RECEIVED 1994 DIV. OF OIL, GAS & MINING

Susan H. Sachitana
Signature

Regulatory Specialist
Title

April 15, 1994
Date

Phone No. (504) 593-7260

Form 3160-5

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

RECEIVED APR 25 1994

5. Lease Designation and Serial No.
U-013769-A

6. If Indian, Allottee or Tribe Name

1. Type of Well
[ ] Oil Well [X] Gas Well [X] Other PROPOSED DISPOSAL

7. If Unit or CA, Agreement Designation
River Bend Unit

2. Name of Operator
CNG PRODUCING COMPANY

8. Well Name and No.
16-19F

3. Address and Telephone No.
CNG Tower - 1450 Poydras Street, New Orleans, LA 70112-6000

9. API Well No.
43-047-32070

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Surface - 875' FSL & 882' FEL of Sec. 19-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
	[ ] Recompletion	[ ] New Construction
[X] Subsequent Report	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
[ ] Final Abandonment Notice	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other - Spud Notice	[ ] Dispose Water
		(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.)*

This is to notify you that the RBU 16-19F was re-entered on April 12, 1994.

They drilled out cement with 4 3/4" blade bit and 5 1/2" casing scraper to 95'.
Pick up and run in hole to 2,155'. Tag cement and drilled out to 2,215'. Circulate hole clean to 2,375'. Pick up and run in hole to 4,515'. Circulate hole clean.
Lay down 12 jts 2 7/8" tubing. Pressure test well to 2500 PSI. Tested ok. Pull out of hole with tubing.

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

Signed Susan Cachitara for WSC Title Supervisor Prod. Eng. Date April 20, 1994
W. Scot Childress

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

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

Form 3160-5

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

RECEIVED 2 5 1994

1. Type of Well [ ] Oil Well [X] Gas Well [X] Other PROPOSED DISPOSAL	5. Lease Designation and Serial No. U-013769-A
	6. If Indian, Allottee or Tribe Name
	7. If Unit or CA, Agreement Designation River Bend Unit
2. Name of Operator CNG PRODUCING COMPANY	8. Well Name and No. 16-19F
3. Address and Telephone No. CNG Tower - 1450 Poydras Street, New Orleans, LA 70112-6000	9. API Well No. 43-047-32070
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Surface - 875' FSL & 882' FEL of Sec. 19-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
	[ ] Recompletion	[ ] New Construction
[X] Subsequent Report	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
[ ] Final Abandonment Notice	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other - Spud Notice	[ ] Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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*See Instructions on Reverse Side

CNG Producing
Company

A CNG COMPANY

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

RECEIVED
MAY 19 1994
DIV. OF OIL, GAS & MINING

May 13, 1994

Mr. Chuck Williams
US Environmental Protection Agency
Region VIII
Drinking Water Branch
8-WM-DW
Underground Injection Control Implementation
999 18th Street - Suite 500
Denver, Colorado 80202-2466

RE: RBU 16-19F, Sec. 19-T10S-R20E
Step Rate Test & Water Analysis

Dear Mr. Williams:

Listed below and attached for your information is the following data concerning our approved River Bend Unit 16-19F water disposal well:

1. Pore pressure on 5/4/94 of injection interval (4,138-4,166') = 1,842 PSI
2. Water analysis to Halliburton on 4/27/94 = 34,340 mg/l (See attached)
3. Tested 5 1/2" casing to 2,500 PSI on 4/13/94
4. Step Rate Test performed by Halliburton on 4/19/94 (See attached)

CNG Producing Company hopes to start injecting by mid-June.

If you have any questions or need any further information, please feel free to contact me at (504) 593-7574.

Sincerely,

CNG PRODUCING COMPANY

Scot Childress

Scot Childress
Supervisor, Production Engineering

cc: Ed Forsman, Bureau of Land Management
Gil Hunt, Utah Board of Oil Gas & Mining

HALLIBURTON ENERGY SERVICES

P.O. Box 339
1085 East Main
Vernal, Utah 84078

Service Center Laboratory
Water Analysis Report

Date: April 28, 1994
To: Mr. Darwin Kulland - CNG - Roosevelt Utah
Lab Report: 1994-28
Submitted by: - Rick Curtice - Operations Engineer

Well: River Bend Unit 16-19 - Injection well
Formation: Not Reported
Submitted By: Flint Well Services - April 27, 1994

Sample #:	#1	#2	
Labeled:	100 bbls	150 bbls	
pH	5.9	5.9	
SG	1.0485	1.0480	
Rw	0.052	0.047	Ohms/M @ 72 degs. F.
* Chlorides	38,020	35,340	mg/l
Calcium	5,200	4,800	mg/l
Maginesium	790	560	mg/l
Bicarbonates	550	430	mg/l
Carbonates	nil	nil	mg/l
Sulfates	450	370	mg/l
Total Iron	2,000	2,800	mg/l

Notice: This report is for the information only and the content is limited to the sample described. Halliburton Energy Services makes no warranty, express or implied, as to the accuracy of the contents or results. Any user of this report agrees that Halliburton Energy Services shall not be liable for any loss or damage, regardless of cause, resulting the use thereof.

Step Rate Test for 16-19F

Procedure

1. After acid job, swab well down.
2. Injection test.

Pumpas follows:

¼ bpm - 461 psi

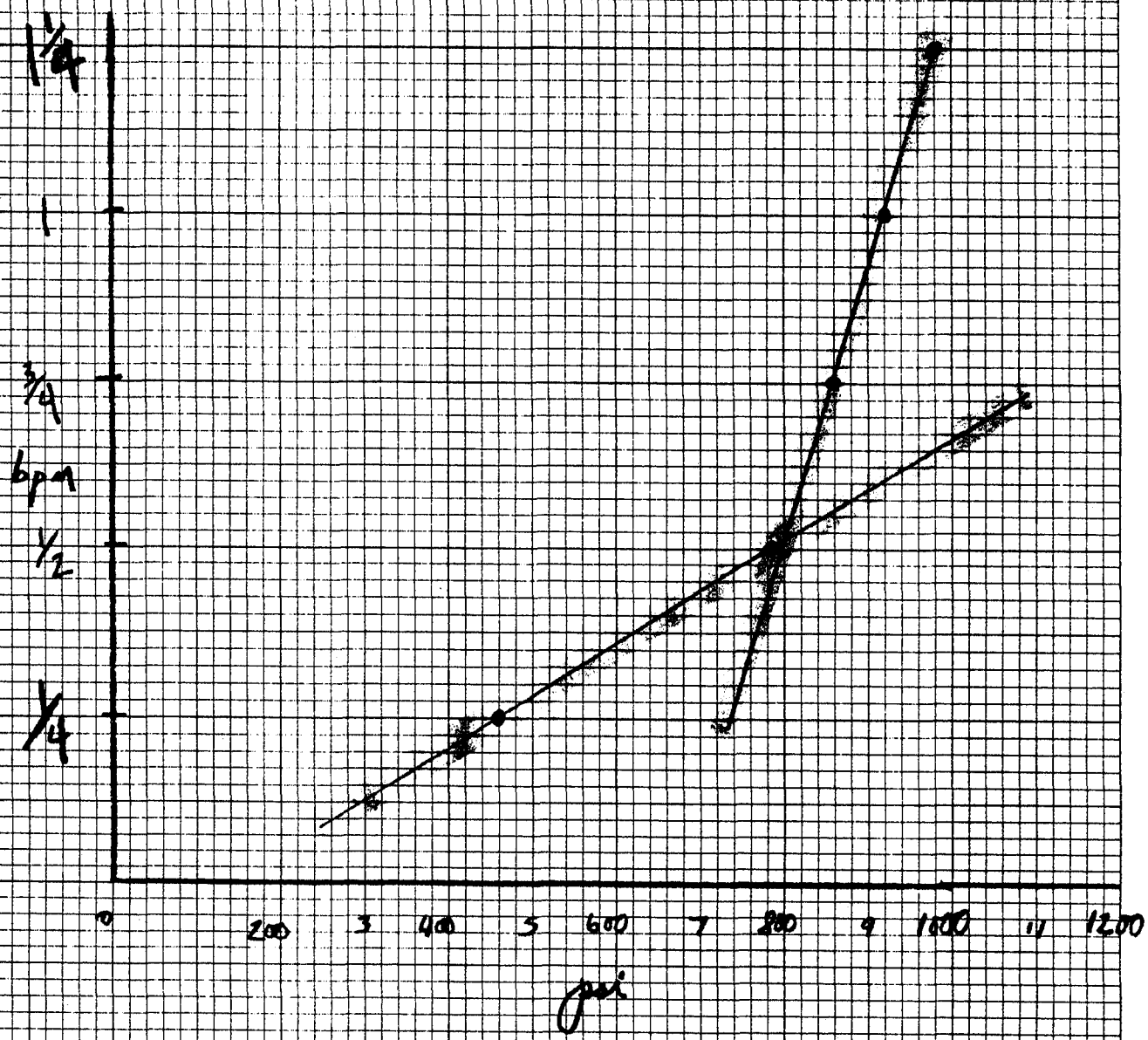
½ bpm - 790 psi

¾ bpm - 860 psi

1 bpm - 924 psi

Shutdown - get ISIP - 1340 psi

3. Have flowmeter present & chart recorder on line.
4. Send plot to New Orleans ASAP.
5.



1,830
800
2,630/4166 = .63 psi/bpm

NO. 340R-10 DIETZGEN GRAPH PAPER
10 X 10 PER INCH
DIETZGEN CORPORATION
MADE IN U.S.A.

HALLIBURTON

DATE	PAGE NO
4-19-94	2

JOB LOG FORM 2013 R-4

CUSTOMER	WELL NO.	LEASE	JOB TYPE	TICKET NO.
CNG	16-19 F	RBU	STEP RATE TEST	598733

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS T	PUMPS C	PRESSURE (PSI) TUBING	PRESSURE (PSI) CASING	DESCRIPTION OF OPERATION AND MATERIALS
	0800							ON LOCATION
	0900	.25	0			192		START STEP RATE
	0923	.25	5			455		PSI & RATE
	0927	.25	6			461		STABLIZED
	0929	.5	0			640		START NEXT RATE
	0944	.5	7			790		STABLIZED
	0945	.75	0			830		START NEXT RATE
	0955	.75	8			860		STABLIZED
	0956	1	0			900		START NEXT STAGE
	1002	1	7			924		STABLIZED
	1003	1.25	0			970		START NEXT RATE
	1023	1.25	25			1215		STABLIZED
	1024	1.50	0			1260		START NEXT RATE
	1036	0	19			1400		STABLIZED
	1036					1340		ISIP
	1041					1150		5 MIN.
	1046					1000		10 MIN.
	1051					890		15 MIN. END JOB
								THANKS LOUEL & CREW

CUSTOMER

CNG Producing
Company

A CNG COMPANY

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

June 20, 1994

Mr. Chuck Williams
US Environmental Protection Agency
Region VIII
Drinking Water Branch
8-WM-DW
Underground Injection Control Implementation
999 18th Street - Suite 500
Denver, Colorado 80202-2466

RE: RBU 16-19F, Sec. 19-T10S-R20E
Mechanical Integrity Test

Dear Mr. Williams:

Enclosed please find a Well Rework Record (Form OMB No. 2000-0042) for the RBU 16-19F Disposal well. Attached is a detailed record of well work done during conversion. Also included is a copy of the BLM's Well Completion or Recompletion Report and Log (Form No. 3160-4) for your records.

A successful mechanical integrity test was performed on June 14, 1994 on the above referenced well. CNG tested the casing, tubing and packer to 2600 PSI for 15 minutes.

If you have any questions or need any further information, please feel free to contact me at (504) 593-7574. Thank you for your continued cooperation.

Sincerely,

CNG PRODUCING COMPANY

Scot Childress
Supervisor, Production Engineering

cc: Ed Forsman, Bureau of Land Management
Gil Hunt, Utah Board of Oil Gas & Mining

RECEIVED
JUN 22 1994
DIV. OF OIL, GAS & MINING

10553

Form 3160-4
(November 1983)
(formerly 9-330)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: UT-013769A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEEMENT NAME: River Bend Unit

8. FARM OR LEASE NAME: RBU

9. WELL NO.: 16-19F

10. FIELD AND POOL, OR WILDCAT: Natural Buttes

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: SE of SE of 19-T10S-R20E

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☐ Other SALT WATER DISPOSAL

1b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other CONVERSION

2. NAME OF OPERATOR: CNG Producing Company

3. ADDRESS OF OPERATOR: CNG Tower - 1450 Poydras St., New Orleans, LA 70112-6000

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface: 875' FSL & 822' FEL of Sec. 19-T10S-R20E
At top prod. interval reported below
At total depth

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
43-047-32070	08/22/91	Uintah	Utah

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMP. (Ready to prod.)	18. ELEVATION (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
10/23/91	11/13/91	06/14/94	5,233' GR	

20. TOTAL DEPTH MD & TVD	21. PLUG, BACK T.D. MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
7,250'	4,515'	1 Zone	---------->	Rotary	

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

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: None

27. WAS WELL CORED: No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24#	418'	12 1/4"	Cement to surface	
5 1/2"	17# N-80	7,250'	7 7/8"	1787 sks 50/50 Poz	

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"	4,086'	4,093'

31. PERFORATION RECORD (Interval, size and number)
Original completion: 5,074-5,079'
5,042-5,068'
4,740-4,768'
Injection Zone: 4,138-4,166'

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL
4,740-4,768'	Acidize with 1500 gallons 7.25% aci
4,138-4,166'	Acidize with 3000 gallons of 15% HC

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)	WELL STATUS (Producing or shut-in)
		Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL-BBL.	GAS-MCF.	WATER-BBL.	GAS-OIL RATIO
			---------->				

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

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

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

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

SIGNED: W. Scot Childress TITLE: Supervisor, Prod. Eng. DATE: 06/20/94

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

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.

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, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.

38. GEOLOGICAL MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
Wasatch Tongue	4,096'	4,096'
Green River Tongue	4,434'	4,434'
Wasatch	4,588'	4,588'
Chapita Wells	5,328'	5,328'
Uteland Buttes	6,376'	6,376'

RECEIVED
JUN 22 1994
DIV. OF OIL, GAS & MINING

Form Approved. OMB No. 2000-0042. Approval expires 9-30-86

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

EPA

WELL REWORK RECORD

NAME AND ADDRESS OF PERMITTEE
CNG PRODUCING COMPANY
CNG Tower - 1450 Poydras Street
New Orleans, LA 70112-6000

NAME AND ADDRESS OF CONTRACTOR

LOCATE WELL AND OUTLINE UNIT ON SECTION PLAT — 640 ACRES

N
W E
S

STATE	COUNTY	PERMIT NUMBER
UT	Uintah	UT2721-03787

SURFACE LOCATION DESCRIPTION
¼ OF SE ¼ OF SE ¼ SECTION 19 TOWNSHIP 10S RANGE 20E

LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT

Surface Location 875 ft. from (N/S) S Line of quarter section 19-T10S-R20E
and 822 ft. from (E/W) E Line of quarter section 19-T10S-R20E

WELL ACTIVITY
☒ Brine Disposal
☐ Enhanced Recovery
☐ Hydrocarbon Storage

TYPE OF PERMIT
☒ Individual
☐ Area
Number of Wells ____

Total Depth Before Rework	Total Depth After Rework	Date Rework Commenced	Date Rework Completed
7,205'	4,515'	April 5, 1994	June 14, 1994

Lease Name: UT-013769A

Well Number: RBU 16-19F

WELL CASING RECORD — BEFORE REWORK

Casing Size	Casing Depth	Cement Sacks	Cement Type	Perforations From	Perforations To	Acid or Fracture Treatment Record
8 5/8"	418'	225(Cemt to Surface)		5,074'	5,079'	
5 1/2"	7,250'	1,787	50/50 Poz	5,042'	5,068'	
				4,740'	4,768'	Acidize with 1500 gals 7.25% acid

WELL CASING RECORD — AFTER REWORK *(Indicate Additions and Changes Only)*

Casing Size	Casing Depth	Cement Sacks	Cement Type	Perforations From	Perforations To	Acid or Fracture Treatment Record
8 5/8"	418'	225(Cemt to surface)		4,138'	4,166'	Acidize with 3000 gals of 15% HCL
5 1/2"	7,250'	1,787	50/50 Poz			

DESCRIBE REWORK OPERATIONS IN DETAIL
USE ADDITIONAL SHEETS IF NECESSARY
SEE ATTACHED SHEET

WIRE LINE LOGS, LIST EACH TYPE

Log Types	Logged Intervals

CERTIFICATION

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32).

NAME AND OFFICIAL TITLE *(Please type or print)*	SIGNATURE	DATE SIGNED
Paul L. Plusquellec Vice-President, Operations		June 20, 1994

DETAILED REWORK OPERATIONS

RBU 16-19F

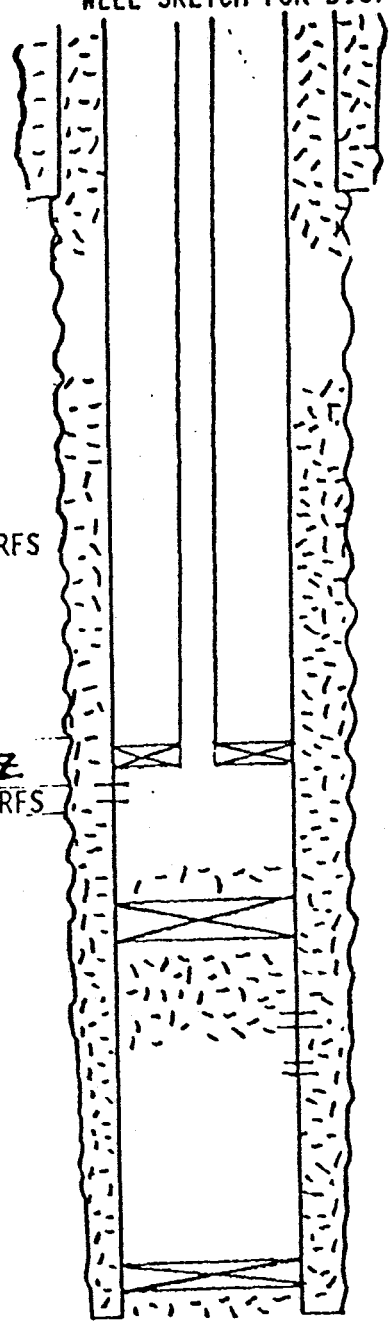
ATTACHMENT A

1. RIG UP PULLING UNIT AND MOVE IN TWO FRAC TANKS WITH 2% KCL WATER.
2. NIPPLE DOWN TREE AND NIPPLE UP BOPs.
3. DRILL UP PLUGS AT THE SURFACE, AT 360′ AND AT 2,250′. CLEAN WELL OUT TO 4,515′. TEST CASING TO 2500 PSI.
4. PERFORATE FROM 4,138-4,166′ WITH A 4" GUN AT 6 SPF.
5. TRIP IN HOLE WITH COATED 2 3/8" TUBING AND SET INJECTION PACKER AT 4,093′. NIPPLE DOWN BOPs AND NIPPLE UP TREE.
6. ACIDIZE WELL WITH 3,000 GALLONS OF HEATED 15% HCL ACID. FLOW BACK AND THEN SWAB TEST. CATCH FLUID FOR WATER ANALYSIS AT END OF TEST AND SEND TO DOWELL.
7. PERFORM FOUR POINT INJECTION TEST AT 1/4, 1/2, 3/4 AND 1 BPM TO OBTAIN SURFACE INJECTION PRESSURE
8. HOOK UP SURFACE EQUIPMENT.

RBU 16-19F
SEC. 19, T10S, R20E
UINTAH COUNTY, UTAH
DISPOSAL WELL
RIVERBEND - 1993
CNG PRODUCING CO.
DATE: June 1, 1993

PURPOSE: TURN THE P&A'D 16-19F (NON-COMMERCIAL GAS WELL) INTO A SALT WATER INJECTION WELL TO DISPOSE OF FIELD FORMATION WATER.

WELL SKETCH FOR DISPOSAL



< 8 5/8" 24# @ 418'
(12 1/4" HOLE)
225 SXS. CEMENT TO SURFACE

< TOP OF CEMENT OUTSIDE
5 1/2" @ 720'

TOP OF GREEN RIVER
@ 1200'

BASE USDWs @3342'

3,690-3,752 CONFINING SHALE
3,752-3,774' INJECTION PERFS
(LATER, IF NEEDED)
3,774-3,882' CONFINING SHALE

4,086-4,138 CONFINING SHALE
CZ
4,138-4,166' INJECTION PERFS
GREEN RIVER
4,166-4,208' CONFINING SHALE

2 3/8" TUBING w/PACKER
@ 4093'

- 12 SXS ON TOP
CEMENT RETAINER @ 4700'
- 62 SXS SQUEEZED BELOW
- 4740-68 (56 HOLES)
- 5074-79, 5042-5068 (62 HOLES)
BOTH INTERVALS TESTED AT NON-COMMERCIAL RATES
5 1/2" CEMENT JOB - 1787 SXS. OF CLASS "G"
EST PBTD @ 7205'
< 5 1/2 " 17# N80 CASING @ 7,250 (7 7/8" HOLE)

State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-145

Operator: CNG Producing Company

Well: 16-19F

Location: Section 19, Township 10 South, Range 20 East, Uintah County, Utah

API No.: 43-047-32070

Well Type: Disposal

Stipulations of Permit Approval

1. Approval for conversion to a Class II injection well was issued on March 2, 1994.
2. Maximum Allowable Injection Pressure: 800 psig
3. Maximum Allowable Injection Rate: 500 barrels per day

Approved by: _____ 5/31/94

R.J. Firth
Associate Director, Oil and Gas

Date

CNG Producing Company

CONFIDENTIAL

A **CNG** COMPANY

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

RECEIVED
AUG 15 1994
DIV. OF OIL, GAS & MINING

August 12, 1994

Mr. Gil Hunt
Utah Board of Oil, Gas & Mining
355 West North Temple
3 Triad Center - Suite 350
Salt Lake City, UT 84180-1203

RE: RBU 16-19F Disposal Well

Dear Gil:

Per your request enclosed please find Sundry Notices and Reports on Well (Form 9) for notice of intent to perforate the above reference well. CNG would like to begin operations on August 22, 1994, therefore your favorable response would be appreciated as soon as possible.

If you have any questions or need any further information, please feel free to contact me at (504) 593-7260. Thank you for your continued cooperation.

Sincerely,

CNG PRODUCING COMPANY

Susan H. Sachitana

Susan H. Sachitana
Regulatory Specialist

Enclosure

cc: Ed Forsman - BLM, Vernal District Office
Yvonne Abadie
Scot Childress
Darwin Kulland

Form 9

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

6. Lease Designation and Serial Number U-013769-A	
7. Indian Allottee or Tribe Name River Bend Unit	
8. Unit or Communization Agreement	

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

CONFIDENTIAL

1. Type of Well [ ] Oil Well [ ] Gas Well [X] Other (specify) Water Injection	9. Well Name and Number RBU 16-19F
2. Name of Operator CNG PRODUCING COMPANY	10. API Well Number 43-047-32070
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 : 875' FSL & 882' FEL — County : UINTAH

QQ, SEC., T., R., M.: SE SE of Sec. 19-T10S-R20E — State : UTAH

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

NOTICE OF INTENT (Submit in Duplicate)		SUBSEQUENT REPORT (Submit Original Form Only)	
[ ] Abandonment	[ ] New Construction	[ ] Abandonment *	[ ] New Construction
[ ] Casing Repair	[ ] Pull or Alter Casing	[ ] Casing Repair	[ ] Pull or Alter Casing
[ ] Change of Plans	[ ] Recompletion	[ ] Change of Plans	[ ] Shoot or Acidize
[ ] Conversion to Injection	[ ] Shoot or Acidize	[ ] Conversion to Injection	[ ] Vent or Flare
[ ] Fracture Treat	[ ] Vent or Flare	[ ] Fracture Treat	[ ] Water Shut-Off
[ ] Multiple Completion	[ ] Water Shut-Off	[ ] Other _____	
[X] Other - Perforate additional interval			

Approximate Date Work Will Start

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 directonally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

CNG respectfully request to perform the following procedure on the RBU 16-19F injection well:

1. **Move in rig.**
2. **Nipple down tree and nipple up BOPs. Use only filtered RBU formation water.**
3. **Pull tubing and packer at 4,092'.**
4. **Rig up electric line and reperforate from 4,138-66' at 4 SPF with a 3 3/8" casing gun (32 gram charge) - 90° phasing. Then add perfs from 3,752-74' at 4 SPF with the same type charge.**
5. **Rerun 2 3/8" tubing and set packer at 3,600'.**
6. **Test casing to 2500 PSI. Nipple down BOPs and nipple up tree.**
7. **Perform injection test at 1/4, 1/2, 3/4 and 1 BPM.**
8. **Move off rig.**

Accepted by the State of Utah Division of Oil, Gas and Mining
Date: 8-17-94
By:

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

Name & Signature W. Scot Childress — Title Supervisor, Prod. Eng. — Date August 12, 1994

(State Use Only)

Federal Approval of this Action is Necessary

(8/90)

See Instructions on Reverse Side

CNG Producing Company

A CNG COMPANY

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

RECEIVED
SEP 16 1994
DIV. OF OIL, GAS & MINING

September 13, 1994

Mr. Ed Forsman
Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal UT 84078

RE: Notice of Injection
RBU 16-19F, SE SE of Sec. 19-T10S-R20E

Dear Ed:

Per your request attached is Form 3160-5, Sundry Notice and Reports on Wells filed in triplicate for the above referenced well.

If you have any questions or need any further information, please feel free to contact me at (504) 593-7260. It was good talking to you again after so long.

Sincerely,

CNG PRODUCING COMPANY

Susan H. Sachitana

Susan H. Sachitana
Regulatory Specialist

Enclosure

cc: Gil Hunt, Utah Board of Oil Gas & Mining
Chuck Williams, Environmental Protection Agency

Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
SEP 16 1994
DIV. OF OIL, GAS & MINING

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

5. Lease Designation and Serial No.
U-013769-A

6. If Indian, Allottee or Tribe Name

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.
16-19F

3. Address and Telephone No.
CNG Tower - 1450 Poydras Street, New Orleans, LA 70112-6000

9. API Well No.
43-047-32070

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Surface - 882' FEL and 875' FSL of Sect 19-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
	[ ] Recompletion	[ ] New Construction
[X] Subsequent Report	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
[ ] Final Abandonment Notice	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other - Injection Notice	[ ] Dispose Water
		(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.)*

Please be advised that CNG Producing Company began injecting in the RBU 16-19F on September 7, 1994.

If you have any questions or need any further information, please feel free to contac me at (504) 593-7574 or Sue Sachitana at (504) 593-7260.

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

Signed _____ Title Supervisor, Prod. Eng. Date September 13, 1994
Scot Childress

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

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

Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SEP 1 0 1994
DIV. OF OIL, GAS & MINING

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

5. Lease Designation and Serial No.
U-013769-A

6. If Indian, Allottee or Tribe Name

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

COPY

8. Well Name and No.
16-19F

3. Address and Telephone No.
CNG Tower - 1450 Poydras Street, New Orleans, LA 70112-6000

9. API Well No.
43-047-32070

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Surface - 882' FEL and 875' FSL of Sect 19-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
	[ ] Recompletion	[ ] New Construction
[X] Subsequent Report	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
[ ] Final Abandonment Notice	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other - Injection Notice	[ ] Dispose Water
		(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.)*

Please be advised that CNG Producing Company began injecting in the RBU 16-19F on September 7, 1994.

If you have any questions or need any further information, please feel free to contac me at (504) 593-7574 or Sue Sachitana at (504) 593-7260.

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

Signed _____ Title Supervisor, Prod. Eng. Date September 13, 1994
Scot Childress

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

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

RECEIVED
SEP 22 1994
DIV. OF OIL, GAS & MINING

September 19, 1994

Mr. Chuck Williams
US Environmental Protection Agency
Region VIII
Drinking Water Branch
8-WM-DW
Underground Injection Control Implementation
999 18th Street - Suite 500
Denver, Colorado 80202-2466

RE: RBU 16-19F, Sec. 19-T10S-R20E
Mechanical Integrity Test
Well Rework Form
BLM - Completion Report

Dear Mr. Williams:

Enclosed please find a Well Rework Record (Form OMB No. 2000-0042) for the RBU 16-19F Disposal well. Attached is a copy of the BLM's Well Completion or Recompletion Report and Log (Form No. 3160-4) for your records.

A successful mechanical integrity test was performed on September 6, 1994 on the above referenced well. CNG tested the casing, tubing and packer to 2500 PSI for 30 minutes.

If you have any questions or need any further information, please feel free to contact me at (504) 593-7574. Thank you for your continued cooperation.

Sincerely,

CNG PRODUCING COMPANY

Scot Childress

Scot Childress
Supervisor, Production Engineering

cc: Ed Forsman, Bureau of Land Management
Gil Hunt, Utah Board of Oil Gas & Mining

Mechanical Integrity Test
Casing/Annulus Pressure Test

RECEIVED
SEP 22 1994
DIV. OF OIL, GAS & MINING

U.S. Environmental Protection Agency
Underground Injection Control Program, UIC Implementation Section, 8WM-DW
999 18th Street, Suite 500, Denver, CO 80202-2466

EPA Witness: _____ Date 9 / 6 /94 Time _____ am/p

Test conducted by: Mitch Hall - CNGP

Others present: Western Company - Vernal, Utah

Well name RBU 16-19F EPA Number UT2721-03787

Field name River Bend Unit

Location SE SE qtr qtr; 19 Section; 10S Township; 20E Range

Owner/Operator CNG Producing Company

Time	Test #1	Test #2	Test #3
0 min	2500 psig	psig	psig
5	2500		
10	2500		
15	2500		
20	2500		
25	2500		
30 min	2500		
35			
40			
45			
50			
55			
60 min			
Tubing press	0 psig	psig	psig
Result (circle)	Pass Fail	Pass Fail	Pass Fail

Signature of Witness: Mitch Hall

This is the front side of two sides

Form Approved. OMB No. 2000-0042. Approval expires 3-30-85

EPA

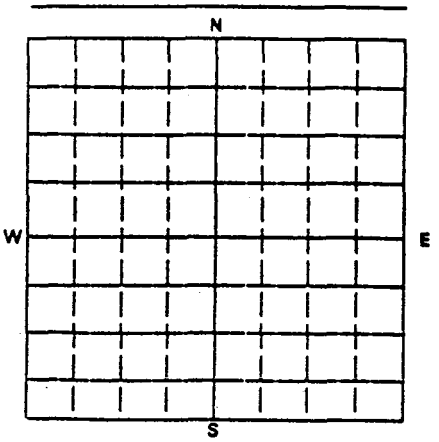
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

WELL REWORK RECORD

RECEIVED
SEP 22 1994
DIV. OF OIL, GAS & MINING

NAME AND ADDRESS OF PERMITTEE	NAME AND ADDRESS OF CONTRACTOR
CNG PRODUCING COMPANY CNG Tower - 1450 Poydras Street New Orleans, LA 70112-6000	

LOCATE WELL AND OUTLINE UNIT ON SECTION PLAT — 640 ACRES



STATE	COUNTY	PERMIT NUMBER
UT	Uintah	UT2721-03787

SURFACE LOCATION DESCRIPTION
¼ OF SE ¼ OF SE ¼ SECTION 19 TOWNSHIP 10S RANGE 20E

LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT

Surface Location 875 ft. from (N/S) S Line of quarter section

and 822 ft. from (E/W) E Line of quarter section

WELL ACTIVITY	Total Depth Before Rework	TYPE OF PERMIT
☒ Brine Disposal ☐ Enhanced Recovery ☐ Hydrocarbon Storage	7,205'	☒ Individual ☐ Area Number of Wells ____
	Total Depth After Rework 4,515'	
Lease Name UT-013769A	Date Rework Commenced August 24, 1994	Well Number RBU 16-19F
	Date Rework Completed September 7, 1994	

WELL CASING RECORD — BEFORE REWORK

Casing		Cement		Perforations		Acid or Fracture
Size	Depth	Sacks	Type	From	To	Treatment Record
8 5/8"	418'	225(Cemt to Surface)		5,074'	5,079'	
5 1/2"	7,250'	1,787	50/50 Poz	5,042'	5,068'	
				4,740'	4,768'	Acidize with 1500 gals 7.25% acid

WELL CASING RECORD — AFTER REWORK *(Indicate Additions and Changes Only)*

Casing		Cement		Perforations		Acid or Fracture
Size	Depth	Sacks	Type	From	To	Treatment Record
8 5/8"	418'	225(Cemt to Surface)		4,138'	4,166'	Acidize with 3000 gals of 15% HCL
5 1/2"	7,250'	1,787	50/50 Poz	3,752'	3,774'	Added perfs for injection
						(Did not stimulate)

DESCRIBE REWORK OPERATIONS IN DETAIL USE ADDITIONAL SHEETS IF NECESSARY	WIRE LINE LOGS, LIST EACH TYPE	
	Log Types	Logged Intervals
SEE ATTACHED SHEET		

CERTIFICATION

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32).

NAME AND OFFICIAL TITLE *(Please type or print)*	SIGNATURE	DATE SIGNED
Paul L. Plusquellec Vice-President, Operations	[signature]	September 16, 1994

EPA Form 7520-12 (2-84)

(formerly 9-330)

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

RECEIVED SEP 22 1994 DIV. OF OIL, GAS & MINING

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: UT-013769A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEEMENT NAME: River Bend Unit

8. FARM OR LEASE NAME: RBU

9. WELL NO.: 16-19F

10. FIELD AND POOL, OR WILDCAT: Natural Buttes

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: SE of SE of 19-T10S-R20E

1a. TYPE OF WELL: OIL WELL [ ] GAS WELL [ ] DRY [ ] Other SALT WATER DISPOSAL

1b. TYPE OF COMPLETION: NEW WELL [ ] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] Other CONVERSION

2. NAME OF OPERATOR: CNG Producing Company

3. ADDRESS OF OPERATOR: CNG Tower - 1450 Poydras St., New Orleans, LA 70112-6000

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface: 875' FSL & 822' FEL of Sec. 19-T10S-R20E
At top prod. interval reported below
At total depth

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
43-047-32070	08/22/91	Uintah	Utah

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMP. (Ready to prod.)	18. ELEVATION (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
10/23/91	11/13/91	06/14/94	5,233' GR	

20. TOTAL DEPTH MD & TVD	21. PLUG, BACK T.D. MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
7,250'	4,515'	1 Zone	---------->	Rotary	

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

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: None

27. WAS WELL CORED: No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24#	418'	12 1/4"	Cement to surface	
5 1/2"	17# N-80	7,250'	7 7/8"	1787 sks 50/50 Poz	

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"	4,086'	4,093'

31. PERFORATION RECORD (Interval, size and number)
Original completion: 5,074-5,079'
5,042-5,068'
4,740-4,768'
Injection Zone: 4,138-4,166'
Add'l Perfs 3,752-3,774'

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL U
4,740-4,768'	Acidize with 1500 gallons 7.25% aci
4,138-4,166'	Acidize with 3000 gallons of 15% HC

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)	WELL STATUS (Producing or shut
		Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL-BBL.	GAS-MCF.	WATER-BBL.	GAS-OIL RATIO
			---------->				

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

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

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

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

SIGNED W. Scot Childress TITLE Supervisor, Prod. Eng. DATE 09/16/94

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

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.

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, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.

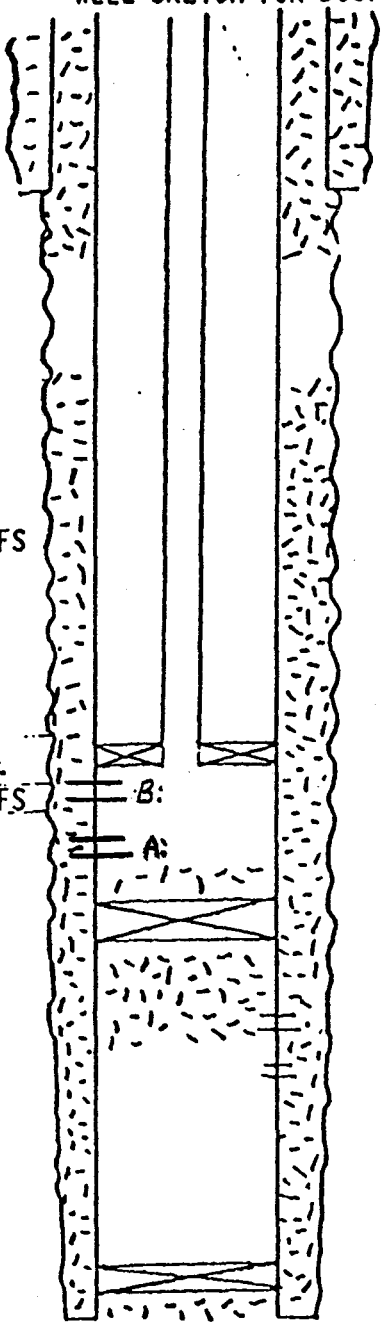
38. GEOLOGICAL MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
Wasatch Tongue	4,096'	4,096'
Green River Tongue	4,434'	4,434'
Wasatch	4,588'	4,588'
Chapita Wells	5,328'	5,328'
Uteland Buttes	6,376'	6,376'

RBU 16-19F
SEC. 19, T10S, R20E
UINTAH COUNTY, UTAH
DISPOSAL WELL
RIVERBEND - 1994
CNG PRODUCING CO.
DATE: Oct. 1, 1994

PURPOSE: TURN THE P&A'D 16-19F (NON-COMMERCIAL GAS WELL) INTO A SALT WATER INJECTION WELL TO DISPOSE OF FIELD FORMATION WATER.

WELL SKETCH FOR DISPOSAL



< 8 5/8" 24# @ 418'
(12 1/4" HOLE)
225 SXS. CEMENT TO SURFACE

< TOP OF CEMENT OUTSIDE
5 1/2" @ 720'

TOP OF GREEN RIVER
@ 1200'

BASE USDWs @3342'

3,690-3,752 CONFINING
SHALE

B: 3,752-3,774' INJECTION PERFS
(Included: 8/29/94)

3,774-3,882' CONFINING
SHALE

4,086-4,138 CONFINING
SHALE CZ

A: 4,138-4,166' INJECTION PERFS

GREEN RIVER

4,166-4,208' CONFINING
SHALE

2 3/8" TUBING w/PACKER
@ 3696'

- 12 SXS ON TOP
CEMENT RETAINER @ 4700'
- 62 SXS SQUEEZED BELOW
- 4740-68 (56 HOLES)
- 5074-79, 5042-5068 (62 HOLES)
BOTH INTERVALS TESTED AT NON-COMMERCIAL RATES
5 1/2" CEMENT JOB - 1787 SXS. OF CLASS "G"
EST PBTD @ 7205'

< 5 1/2 " 17# N80 CASING @ 7,250 (7 7/8" HOLE)

43047-32070

CNG Producing Company

A CNG COMPANY

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

RECEIVED
DEC 5 1994
DIV OF OIL, GAS & MINING

November 30, 1994

Ms. Margie Herrmann
U.S. Dept. of the Interior
Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, UT 84078

RE: Well Completion Report
RBU 16-19F SE SE of Sec. 19-T10S-R20E

Dear Margie:

Per your request please find the original and two copies of the above referenced amended report. The completion report has been amended to include test data for the injection. I'm sorry if the omission of this data has caused you any inconvenience.

CNG Producing Company is requesting all information be held confidential.

Should you have any question please feel free to contact either myself at (504) 593-7260 or the project engineer, Scot Childress at (504) 593-7574. Hope you and your family have a very HAPPY HOLIDAY!

Sincerely,

CNG PRODUCING COMPANY

Susan H. Sachitana

Susan H. Sachitana
Regulatory Specialist

Enclosure

cc: Utah Department of Oil, Gas & Mining
Y. Abadie
S. Childress
D. Kulland
RBU Well Files
RBU Well Book
PG&E Resource Company

Form 3160-4
(November 1983)
(formerly 9-330)

AMENDED REPORT TO INCLUDE TEST DATA

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE
(See other instructions on reverse side)

RECEIVED DEC 5 1994 DIV. OF OIL, GAS & MINING

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: UT-013769A

1a. TYPE OF WELL: OIL WELL [ ] GAS WELL [ ] DRY [ ] Other SALT WATER DISPOSAL

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

1b. TYPE OF COMPLETION: NEW WELL [ ] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] Other CONVERSION

7. UNIT AGREEEMENT NAME: River Bend Unit

8. FARM OR LEASE NAME: RBU

2. NAME OF OPERATOR: CNG Producing Company

9. WELL NO.: 16-19F

3. ADDRESS OF OPERATOR: CNG Tower - 1450 Poydras St., New Orleans, LA 70112-6000

10. FIELD AND POOL, OR WILDCAT: Natural Buttes

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface: 875' FSL & 822' FEL of Sec. 19-T10S-R20E
At top prod. interval reported below
At total depth

CONFIDENTIAL

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: SE of SE of 19-T10S-R20E

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
43-047-32070	08/22/91	Uintah	Utah

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMP. (Ready to prod.)	18. ELEVATION (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
10/23/91	11/13/91	06/14/94	5,233' GR	

20. TOTAL DEPTH MD & TVD	21. PLUG, BACK T.D. MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
7,250'	4,515'	1 Zone	---------->	Rotary	

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

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: None

27. WAS WELL CORED: No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24#	418'	12 1/4"	Cement to surface	
5 1/2"	17# N-80	7,250'	7 7/8"	1787 sks 50/50 Poz	

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"	4,086'	4,093'

31. PERFORATION RECORD (Interval, size and number)
Original completion: 5,074-5,079'
5,042-5,068'
4,740-4,768'
Injection Zone: 4,138-4,166'
Add'l Perfs 3,752-3,774'

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4,740-4,768'	Acidize with 1500 gallons 7.25% acid
4,138-4,166'	Acidize with 3000 gallons of 15% HCL

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)	WELL STATUS (Producing or shut-in)
09/07/94	Injection	Injecting

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL-BBL.	GAS-MCF.	WATER-BBL.	GAS-OIL RATIO
08/05/94	24		---------->	-	-	70	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24 HR RATE	OIL-BBL.	GAS-MCF.	WATER-BBL.	OIL GRAVITY-API (CORR.)
1200	-	-------->	-	-	70	

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

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

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

SIGNED: W. Scot Childress TITLE: Supervisor, Prod. Eng. DATE: 11/30/94

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

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

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, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.

CONFIDENTIAL

38. GEOLOGICAL MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
Wasatch Tongue	4,096'	4,096'
Green River Tongue	4,434'	4,434'
Wasatch	4,588'	4,588'
Chapita Wells	5,328'	5,328'
Uteland Buttes	6,376'	6,376'

DIVISION OF OIL, GAS AND 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 - for such proposals

6. Lease Designation and Serial Number: U-013769-A

7. Indian Allottee or Tribe Name: River Bend Unit

8. Unit or Communization Agreement

1. Type of Well: [ ] Oil Well [ ] Gas Well [X] Other (specify) Water Injection

9. Well Name and Number: RBU 16-19F

2. Name of Operator: CNG PRODUCING COMPANY

10. API Well Number: 43-047-32070

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: 875' FSL & 882' FEL

QQ, SEC., T., R., M.: SE SE of Sec. 19-T10S-R20E

County: UINTAH

State: UTAH

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

NOTICE OF INTENT (Submit in Duplicate)

- [ ] Abandonment
- [ ] Casing Repair
- [ ] Change of Plans
- [ ] Conversion to Injection
- [ ] Fracture Treat
- [ ] Multiple Completion
- [ ] New Construction
- [ ] Pull or Alter Casing
- [ ] Recompletion
- [ ] Shoot or Acidize
- [ ] Vent or Flare
- [ ] Water Shut-Off
- [X] Other - Perforate additional interval

Approximate Date Work Will Start

SUBSEQUENT REPORT (Submit Original Form Only)

- [ ] Abandonment *
- [ ] Casing Repair
- [ ] Change of Plans
- [ ] Conversion to Injection
- [ ] Fracture Treat
- [ ] Other
- [ ] New Construction
- [ ] Pull or Alter Casing
- [ ] Shoot or Acidize
- [ ] Vent or Flare
- [ ] Water Shut-Off

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.)

CNG respectfully request to add additional perfs to the RBU 16-19F injection well. The existing perfs are 4,138-4,166' & 3,752-3,774'. The additional perfs would be 3,456-76', 3,490-3,510' & 3,620-3,634'.

Please advise if water analysis from the new zones will be required.

If you need any further information, please call me at (504) 593-7574 or Sue Sachitara at (504) 593-7260.

*Accepted by the State of Utah Division of Oil, Gas and Mining
Date: 1-30-95
By: [signature]

* Conditions:
New zone must be swabbed and the water sample analysed prior to injection to determine if an aquifer exemption is required.

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

Name & Signature: W. Scot Childress

Title: Supervisor, Prod. Eng.

Date: January 26, 1995

(State Use Only) Federal Approval of this Action is Necessary

CONFIDENTIAL

RBU 16-19F
Additional Perfs.

1. RU WL Truck and set plug in X nipple.
2. MIRU WOR.
3. Remove tree, NU BOP.
4. Release on/off tool, TOOH.
5. RU Electric line. Perf 3752-74 using 3-3/8" casing gun, 32 gram charges, 90 degree phasing, 4 spf.
6. TIH with treating packer and s/n; set at 3720' (+or-). Break down perfs then swab unitl formation water is recovered. Send in for analysis. If OK go to step #7.
7. TOOH. LD Treating packer and PU on/off skirt. TIH, latch on to on/off tool. Pull X plug, release packer. TOOH, LD packer. RU Electric line truck. Re-perf 4138-66 with same gun as step 5.
8. PU new packer with pump out plug. Put on/off tool on packer and TIH with 2-3/8" tubing. Set packer at 3720' (+or-).
9. Release from on/off tool. Circ. packer fluid. Latch back on to on/off tool. Pump off disc. Pressure test back side to 2500#. Hold for 30 min.
10. Remove BOP, install WH, release WOR.
Perform step test 1/4, 1/2, 3/4, +1 BPM.

DMK
8-18-94

Accepted by the State of Utah Division of Oil, Gas and Mining
Date: 8-23-94
By: [signature]

43-047-32070

CNG Producing Company

A CNG COMPANY

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

February 14, 1995

RECEIVED
FEB 21 1995
DIV OF OIL, GAS & MINING

Mr. Chuck Williams
US Environmental Protection Agency
Region VIII
Drinking Water Branch
8-WM-DW
Underground Injection Control Implementation
999 18th Street - Suite 500
Denver, Colorado 80202-2466

RE: RBU 16-19F, Sec. 19-T10S-R20E
Well Rework Record
Mechanical Integrity Test
Step Rate Test
Water Analysis

Dear Mr. Williams:

Enclosed please find a Well Rework Record (Form OMB No. 2000-0042) for the RBU 16-19F Disposal well. Attached is a Sundry detailing well work done during perforation. Also included is a copy of the BLM's Well Completion or Recompletion Report and Log (Form No. 3160-4) for your records.

Per EPA regulations included for your review is a Mechanical Integrity Test Form along with the results of the Step Rate Test.

If you have any questions or need any further information, please feel free to contact me at (504) 593-7260 or Scot Childress at (504) 593-7574. Thank you for your continued cooperation and we look forward to hearing from you for injection approval.

Sincerely,

CNG PRODUCING COMPANY

Susan H. Sachitana

Susan H. Sachitana
Regulatory Specialist

cc: Ed Forsman, Bureau of Land Management
Gil Hunt, Utah Board of Oil Gas & Mining

Form 3160-4
(November 1983)
(formerly 9-330)

AMENDED REPORT TO INCLUDE ADDITIONAL ITEMS

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
FEB 21 1995
DIV OF OIL, GAS & MINING

SUBMIT IN DUPLICATE*
(See other instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: UT-013769A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME: River Bend Unit

8. FARM OR LEASE NAME: RBU

9. WELL NO.: 16-19F

10. FIELD AND POOL, OR WILDCAT: Natural Buttes

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: SE of SE of 19-T10S-R20E

1a. TYPE OF WELL: OIL WELL [ ] GAS WELL [ ] DRY [ ] Other SALT WATER DISPOSAL

1b. TYPE OF COMPLETION: NEW WELL [ ] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] Other CONVERSION

2. NAME OF OPERATOR: CNG Producing Company

3. ADDRESS OF OPERATOR: CNG Tower - 1450 Poydras St., New Orleans, LA 70112-6000

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface: 875' FSL & 822' FEL of Sec. 19-T10S-R20E
At top prod. interval reported below
At total depth

14. PERMIT NO.: 43-047-32070
DATE ISSUED: 08/22/91
12. COUNTY OR PARISH: Uintah
13. STATE: Utah

15. DATE SPUDDED: 10/23/91
16. DATE T.D. REACHED: 11/13/91
17. DATE COMP. (Ready to prod.): 02/10/95
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*: 5,233' GR
19. ELEV. CASINGHEAD:

20. TOTAL DEPTH MD & TVD: 7,250'
21. PLUG, BACK T.D. MD & TVD: 4,350'
22. IF MULTIPLE COMPL., HOW MANY*: 5 Zones
23. INTERVALS DRILLED BY: ----------> ROTARY TOOLS: Rotary CABLE TOOLS:

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

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: None

27. WAS WELL CORED: No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24#	418'	12 1/4"	Cement to surface	
5 1/2"	17# N-80	7,250'	7 7/8"	1787 sks 50/50 Poz	

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"	4,086'	3,348'

31. PERFORATION RECORD (Interval, size and number)
Original completion: 5,074-5,079'
5,042-5,068'
4,740-4,768'
Injection Zone: 4,138-4,166'
3,752-3,774'
Additional Perfs: 3,456-3,476', 3,490-3,510' & 3,620-3,634'

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4,740-4,768'	Acidize with 1500 gallons 7.25% acid
4,138-4,166'	Acidize with 3000 gallons of 15% HCl

33. PRODUCTION

DATE FIRST PRODUCTION: 09/07/94
PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump): Injection
WELL STATUS (Producing or shut-in): Injecting

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL-BBL.	GAS-MCF.	WATER-BBL.	GAS-OIL RATIO
WAITING ON APPROVAL TO INJECT	24		---------->	-	-	-	

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

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

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

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

SIGNED: Scot Childress TITLE: Supervisor, Prod. Eng. DATE: 2/13/95
W. Scot Childress

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

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

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, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.

38. GEOLOGICAL MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
Green River "H"	3,310'	3,310'
Green River "I"	3,386'	3,386'
Green River "J"	3,526'	3,526'
Green River "K"	3,654'	3,654'
Wasatch Tongue	4,096'	4,096'
Green River Tongue	4,434'	4,434'
Wasatch	4,588'	4,588'
Chapita Wells	5,328'	5,328'
Uteland Buttes	6,376'	6,376'

WELL PROFILE

1.

2.

3.

4.

P.B.T.D. 4350'

T.D.

OPERATOR CNG Producing Co.

WELL # 16-19F

FIELD River Bend

COUNTY Uintah

STATE Utah

DATE 2-6-95

☐ NEW COMPLETION ☐ WORKOVER

Reperforate

	Casing	Liner	Tubing
SIZE	5½"		2⅞"
WEIGHT	15.5#		4.7#
GRADE			J-55
THREAD			8 rd
DEPTH	7150'		3352'

ITEM NO.	EQUIPMENT AND SERVICES	
	KB	15.00
1.	108 jts 2⅞" 8 rd, 4.7#, J-55 tbg, internal coated	3331.17
		3346.17
2.	4⅜" OD on & off tool w/1.875" Profile nipple	1.44
		3347.61
3.	Otis 5½" Pressure set PKR (Hydralic set)	4.35
		3351.96
4.	Knock out plug holder (Halco), can be redressed	.25
	E.O.T.	3352.21

Perfs = 3456-76', 2-3-95 - 4SPF - 80 holes
3490-3510', 2-3-95 - 4SPF - 80 holes
3620-34', 2-3-95 - 4SPF - 56 holes

3752-74', 4SPF
4138-66', 4SPF Perf'd Twice

well head = 6" 5M flanged

PREPARED BY	OFFICE	PHONE
R. Dick, western #319	Roosevelt, Utah	722-3451

Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
FEB 21 1995
DIV OF OIL, GAS & MINING

FORM APPROVED
BUDGET BUREAU NO. 1004-0135
EXPIRES: MARCH 31, 1992

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.
U-013769-A

6. If Indian, Allottee or Tribe Name

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.
16-19F

3. Address and Telephone No.
CNG Tower - 1450 Poydras Street, New Orleans, LA 70112-6000

9. API Well No.
43-047-32070

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Surface - 882' FEL and 875' FSL of Sect 19-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
	[ ] Recompletion	[ ] New Construction
[X] Subsequent Report	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
[ ] Final Abandonment Notice	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other - Adding Perfs	[ ] Dispose Water
		(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.)*

Opertations to add perfs on the RBU 16-19F began on 2/3/95 and were completed on 2/10/95.

1. Move in rig on 2/3/95 with filetered formation and 3% KCL water.
2. Nipple down tree and nipple up BOPs.
3. Pull tubing and Otis packer at 3,696'.
4. Rig up Schlumberger.
5. Perforate from 3,456-76', 3,490-3,510' & 3,620-34' with a 3 1/2" high performance 37 J/34 Gram 4 PSF gun.
6. Swab test new perfs (see attached water analysis).
7. Trip in hole and set packer at 3,348'. Nipple down BOP and nipple up tree. Move rig.
8. Perform Mechnical Integrity Test and Step Rate Test.
9. Completed work on 2/10/95.

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

Signed Scot Childress Title Supervisor, Prod. Eng. Date February 13, 1995
Scot Childress

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

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

Form Approved. OMB No. 2000-0042. Approval expires 9-30-86

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

EPA

WELL REWORK RECORD

NAME AND ADDRESS OF PERMITTEE	NAME AND ADDRESS OF CONTRACTOR
CNG PRODUCING COMPANY CNG TOWER - 1450 POYDRAS STREET NEW ORLEANS, LA 70112-6000	

LOCATE WELL AND OUTLINE UNIT ON SECTION PLAT — 640 ACRES

N
W E
S

STATE	COUNTY	PERMIT NUMBER
UT	UINTAH	UT2721-03787

SURFACE LOCATION DESCRIPTION

¼ OF SE ¼ OF SE ¼ SECTION 19 TOWNSHIP 10S RANGE 20E

LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT

Surface Location 875 ft. from (N/S) S Line of quarter section

and 822 ft. from (E/W) E Line of quarter section

WELL ACTIVITY	Total Depth Before Rework	TYPE OF PERMIT
☒ Brine Disposal ☐ Enhanced Recovery ☐ Hydrocarbon Storage	4,515'	☒ Individual ☐ Area Number of Wells ____
	Total Depth After Rework 4,350'	
Lease Name	Date Rework Commenced February 3, 1995	Well Number
	Date Rework Completed February 10, 1995	RBU 16-19F

WELL CASING RECORD — BEFORE REWORK

Casing		Cement		Perforations		Acid or Fracture
Size	Depth	Sacks	Type	From	To	Treatment Record
8 5/8"	418'	225(Cemt to Surface)		5,074'	5,079'	
5 1/2"	7,250'	1,787	50/50 POZ	5,042'	5,068'	
				4,740'	4,768'	Acidized with 1500 gals 7.25% Ac
				4,138'	4,166'	Acidized with 3000 gals of 15% HC
				3,752'	3,744'	(Did not stimulate)

WELL CASING RECORD — AFTER REWORK *(Indicate Additions and Changes Only)*

Casing		Cement		Perforations		Acid or Fracture
Size	Depth	Sacks	Type	From	To	Treatment Record
8 5/8"	418'	225(Cemt to Surface)		3,456'	3,476'	Did not stimulate
				3,490'	3,510'	
				3,620'	3,634'	

DESCRIBE REWORK OPERATIONS IN DETAIL USE ADDITIONAL SHEETS IF NECESSARY	WIRE LINE LOGS, LIST EACH TYPE	
	Log Types	Logged Intervals
See attached sundry		

CERTIFICATION

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32).

NAME AND OFFICIAL TITLE *(Please type or print)*	SIGNATURE	DATE SIGNED
Paul L. Plusquellec Vice-President, Operations	P. Plusquellec	February 13, 1995

EPA Form 7520-12 (2-84)

Mechanical Integrity Test

Casing/Annulus Pressure Test

U.S. Environmental Protection Agency
Underground Injection Control Program, UIC Implementation Section, 8WM-DW
999 18th Street, Suite 500, Denver, CO 80202-2466

EPA Witness: _____ Date 2/ 7 /95 Time 9:30 am

Test conducted by: James Sweat

Others present: Western Company - Vernal, UT

Well name RBU 16-19F EPA Number UT2721-03787

Field name River Bend Unit

Location SE SE qtr qtr; 19 Section; 10S Township; 20E Range

Owner/Operator CNG PRODUCING COMPANY

Time	Test #1	Test #2	Test #3
0 min	1500 psig	psig	psig
5	1500		
10	1500		
15	1500		
20	1500		
25	1500		
30 min	1500		
35			
40			
45			
50			
55			
60 min			
Tubing press	0 psig	psig	psig
Result (circle)	Pass Fail	Pass Fail	Pass Fail

Signature of Witness: James Sweat

This is the front side of two sides

ENGP

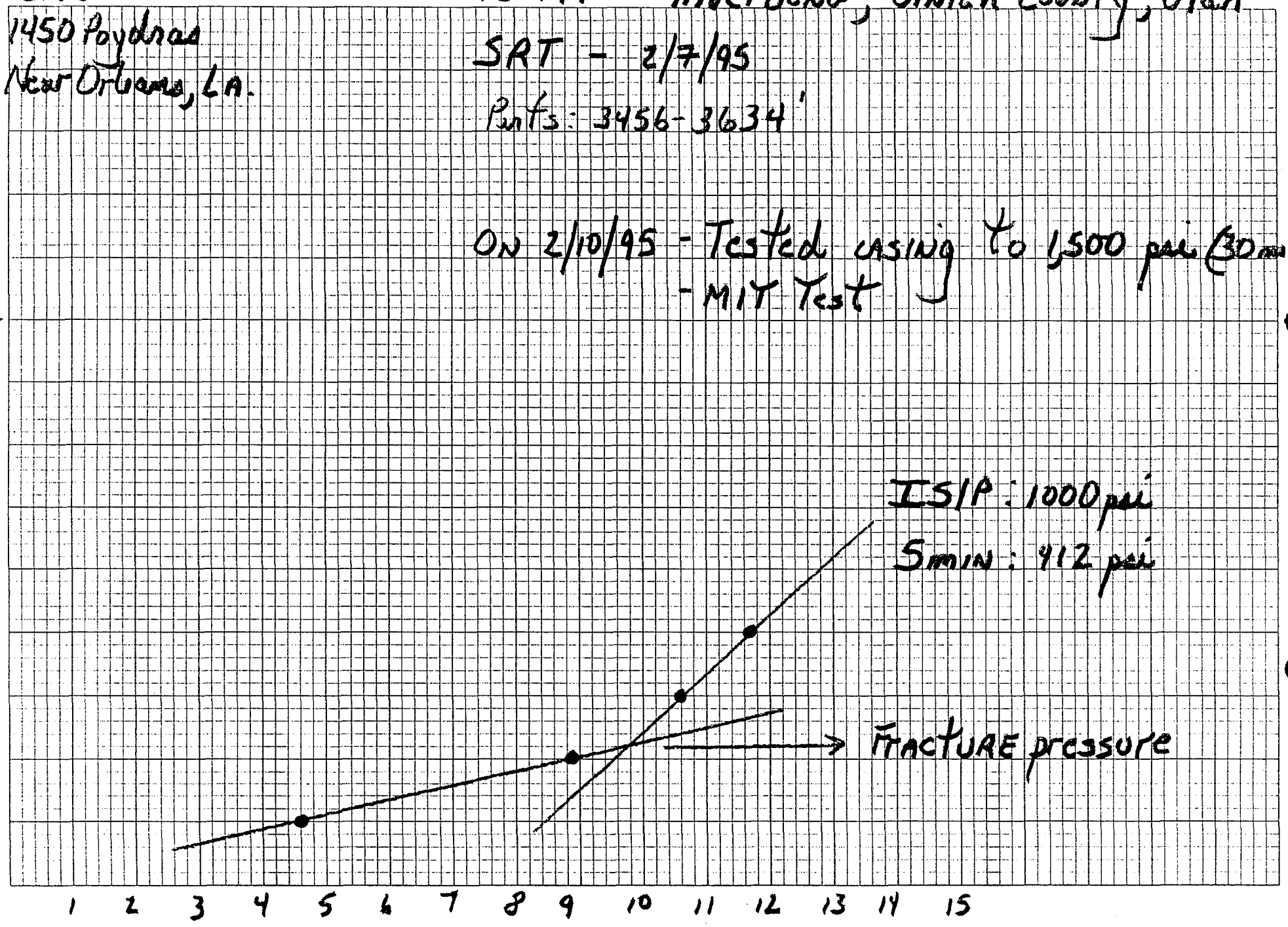
1450 Poydras
New Orleans, LA.

16-19F - Riverbend, Uintah County, Utah

SRT - 2/7/95

Perfs: 3456-3634'

ON 2/10/95 - Tested casing to 1,500 psi (30 min)
- MIT Test



K+E 5 X 5 TO 1/2 INCH • 7 X 10 INCHES
KEUFFEL & ESSER CO. MADE IN U.S.A.
46 0863

VR01W098

THE WESTERN COMPANY

WATER ANALYSIS #VR01W098

VERNAL LAB

GENERAL INFORMATION

OPERATOR:	CNG PRODUCING	DEPTH:	3634 - 3456
WELL:	RBU 16-19F	DATE SAMPLED:	02/04/95
FIELD:	RIVER BEND UNIT	DATE RECEIVED:	02/04/95
SUBMITTED BY:	JIM SWEAT	COUNTY:	UINTAH STATE: UT
WORKED BY :	DALE LARSEN	FORMATION:	
PHONE NUMBER:	722-5004 FAX		

SAMPLE DESCRIPTION

BLACK WATER FROM WELLHEAD

PHYSICAL AND CHEMICAL DETERMINATIONS

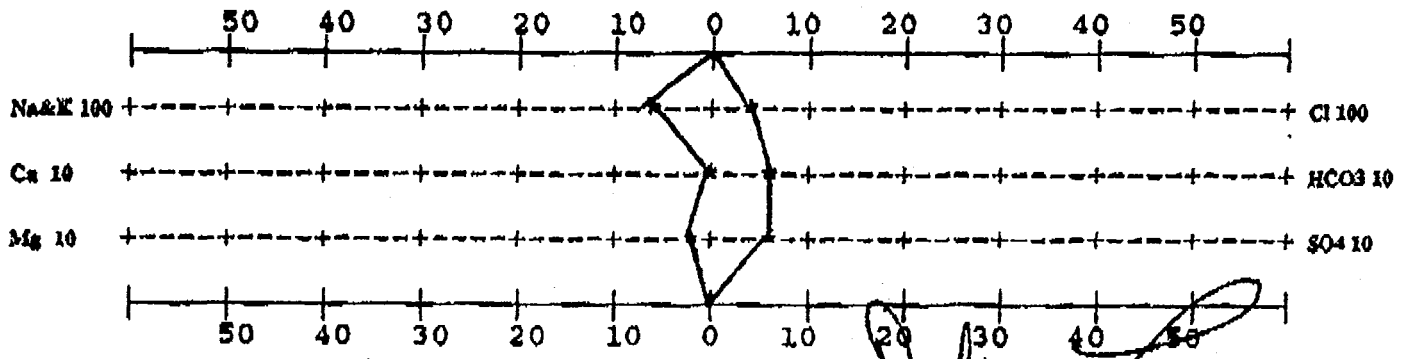
SPECIFIC GRAVITY: 1.025 @ 71°F PH: 8.40
RESISTIVITY (MEASURED): 0.250 ohms @ 71°F

IRON (FE++) :	0 ppm	SULFATE:	2,927 ppm
CALCIUM:	117 ppm	TOTAL HARDNESS	1,220 ppm
MAGNESIUM:	225 ppm	BICARBONATE:	3,178 ppm
CHLORIDE:	17,557 ppm	SODIUM CHLORIDE(Calc)	28,881 ppm
SODIUM+POTASS:	18,123 ppm	TOT. DISSOLVED SOLIDS:	43,005 ppm
IODINE:		POTASSIUM CHLORIDE:	0%

REMARKS

162 BBL OVER LOAD.
POTENTIAL DISPOSAL WELL.
SULFATE COUNT IS ESTIMATED DUE TO VERY HIGH CONCENTRATION.
Pmts - 3456-76, 3490-3510 & 3620-34

STIFF TYPE PLOT (IN MEQ/L)



ANALYST DALE LARSEN

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

[redacted]M APPROVED
BUDGET BUREAU NO. 1004-0135
EXPIRES: MARCH 31, 1992

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

5. Lease Designation and Serial No.
U-013769-A

6. If Indian, Allottee or Tribe Name

1. Type of Well
[ ] Oil Well [ ] Gas Well [X] Other - DISPOSAL

7. If Unit or CA, Agreement Designation
River Bend Unit

2. Name of Operator
CNG PRODUCING COMPANY

8. Well Name and No.
16-19F

3. Address and Telephone No.
CNG Tower - 1450 Poydras Street, New Orleans, LA 70112-6000

9. API Well No.
43-047-32070

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Surface - 882' FEL and 875' FSL of Sect 19-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	
[X] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
	[ ] Recompletion	[ ] New Construction
[ ] Subsequent Report	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
[ ] Final Abandonment Notice	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other - Adding Perfs	[ ] Dispose Water
		(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.)*

CNG request approval to frac the RBU 16-19F per the following procedure:

1. Move in rig with filtered formation or 3% KCL water.
2. Nipple down tree and nipple up BOPs.
3. Pull tubing and Otis packer at 3,348'.
4. Rig up Western.
5. Frac well with 150,000 lbs of 16/30 frac sand. (*Was originally 50,000 lbs of 16/30 frac sand).
6. Trip in hole and set packer at 3,400'. Nipple down BOP and nipple up tree. Move rig.
7. Flow back and check chlorides for salinity.
8. Perform Mechanical Integrity Test and Step Rate Test. Use procedure as outlined by EPA.

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

Signed Scot Childress Title Supervisor, Prod. Eng. Date March 27, 1995
Scot Childress

(This space for Federal or State office use)

Approved by _____ Title _____ Date
Conditions of approval, if any:

~~Federal Approval of this~~ Action is Necessary

Accepted by the State of ~~Utah Division of~~ Oil, Gas and Mining
Date: 3-30-95
By: [signature]

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

WELL: 16-19F WATER INJECTION
FIELD: RBU
SECTION: 19, T10S, R20E
COUNTY: UINTAH
STATE: UTAH
ELEVATION: 5233'
KB TO FLANGE:
INPUT DATE: 3/8/95
ENGINEER: SCOT CHILDRESS
COMPLETION DATE: 9/94

CNG PRODUCING
NEW ORLEANS

Attn: Gil Hunt

CURRENT

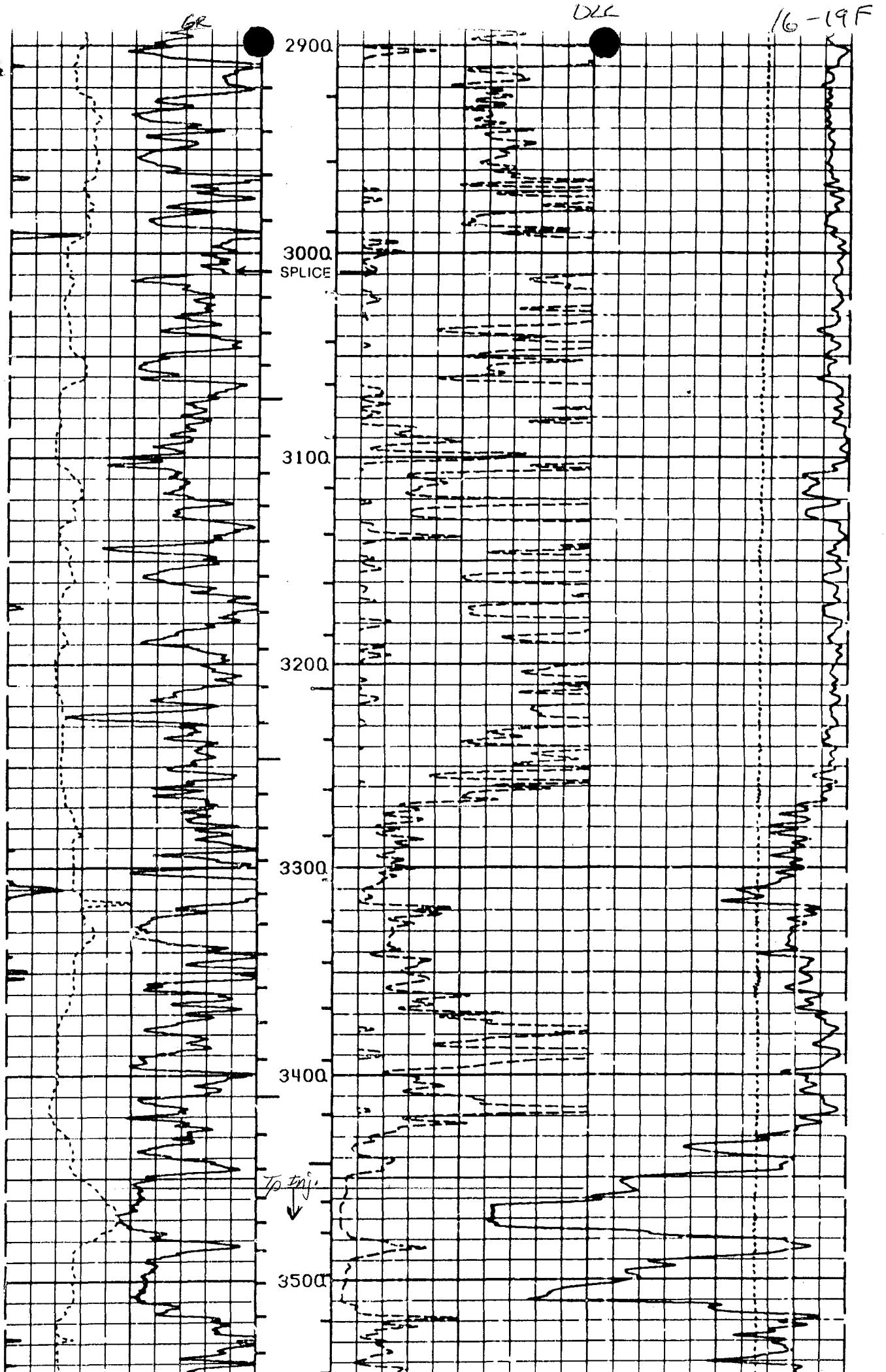
TUBING: 2 3/8"

TOP OF CEMENT @ 720'

OTIS @ 3348

= 3456-76 @ 4SPF
= 3490-3510 @ 4SPF
= 3620-34 @ 4SPF
= 3752-74 @ 4SPF
= 4138-66 @ 8SPF

PBTD: 4350
CASING/DEPTH: 5 1/2" 17# @ 7250'


GR
DLL
16-19F
2900
3000
SPLICE
3100
3200
3300
3400
To Inj.
3500

43-047-32070

CNG Producing
Company

A CNG COMPANY

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

RECEIVED
APR 17 1995
DIV OF OIL, GAS & MINING

April 13, 1995

Mr. Ed Forsman
U.S. Dept. of the Interior
Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, UT 84078

RE: RBU 16-19F SE SE of Sec. 19-T10S-R20E
Sundry Notice for Frac

Dear Ed:

Enclosed please find an original and two copies of a subsequent Sundry Notice to frac the RBU 16-19F Disposal Well.

CNG Producing Company is requesting all information be held confidential.

Should you have any question please feel free to contact either myself at (504) 593-7260 or the project engineer, John Prince at (504) 593-7744.

Sincerely,

CNG PRODUCING COMPANY

Susan H. Sachitana

Susan H. Sachitana
Regulatory Specialist

Enclosure

cc: Utah Department of Oil, Gas & Mining
Y. Abadie
D. Kulland
J. Prince
RBU Well Files

Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
APR 1 7
DIV OF OIL, GAS & MINING

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

5. Lease Designation and Serial No.
U-013769-A

6. If Indian, Allottee or Tribe Name

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 [ ] Gas Well [X] Other - DISPOSAL

2. Name of Operator
CNG PRODUCING COMPANY

3. Address and Telephone No.
CNG Tower - 1450 Poydras Street, New Orleans, LA 70112-6000

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Surface - 882' FEL and 875' FSL of Sect 19-T10S-R20E

7. If Unit or CA, Agreement Designation
River Bend Unit

8. Well Name and No.
16-19F

9. API Well No.
43-047-32070

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
	[ ] Recompletion	[ ] New Construction
[X] Subsequent Report	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
[ ] Final Abandonment Notice	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other - Frac Job	[ ] Dispose Water
		(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.)*

CNG frac'd the RBU 16-19F on April 4, 1995 and completed work on April 5, 1995 per the following procedure.

1. Move in rig and rig up rig and equipment.
2. Nipple down tree. Release packer and nipple up BOP.
3. Pull out of hole with 108 jts 2 3/8" tubing and bottom hole assembly.
4. Rig up Western and establish injection rate with 25 bbls 2% KCL water.
5. Frac well with 153,140 lbs of 16/30 frac sand and 838 bbls of fluid. Average treating pressure 1800 PSI.
6. Run in hole and with Otis type RH hydraulic set packer. Set packer with pump out disk seal divider and 108 jts 2 3/8" tubing. Packer set at 3,344'.
7. Nipple down BOP and nipple up tree. Rig up rig to casing and pump 70 bbls with packer treating fluid.
8. Rig up to tubing. Pump out disk. Rig up to casing and pressure test to 1700 PSI. Rig up to tubing
9. Establish step rate test.
10. Rig down rig and equipment.

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

Signed John C. Prince, Jr. Title Senior, Prod. Engineer Date April 13, 1995

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

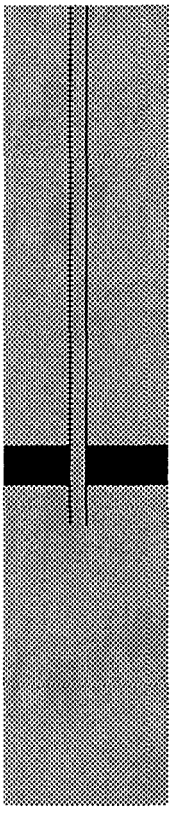
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instructions on Reverse Side

WELL: 16-19F WATER INJECTION

CNG PRODUCING
NEW ORLEANS

FIELD: RBU
SECTION: 19, T10S, R20E
COUNTY: UINTAH
STATE: UTAH
ELEVATION: 5233'
KB TO FLANGE:
INPUT DATE: 4/6/95
ENGINEER: SCOT CHILDRESS/JOHN PRINCE
COMPLETION DATE: 9/94



CURRENT

TUBING: 2 3/8" 4.7 #

TOP OF CEMENT @ 720'

OTIS @ 3344'

= 3456-76 @ 4SPF
= 3490-3510 @ 4SPF
= 3620-34 @ 4SPF
= 3752-74 @ 4SPF
= 4138-66 @ 8SPF

PBTD: 4350
CASING/DEPTH: 5 1/2" 17# @ 7250'

CNG Producing Company

A **CNG** COMPANY

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

RECEIVED
JUL 27 1995
DIV. OF OIL, GAS & MINING

July 24, 1995

Mr. John Carson
US Environmental Protection Agency
Region VIII
Underground Injection Control
8WM-DW
999 18th Street - Suite 500
Denver, Colorado 80202-2466

RE: RBU 16-19F, Sec. 19-T10S-R20E / 43-047-32070 WDW
Uintah County, Utah

Dear Mr. Carson:

In response to your concern over the high injection pressure during August through September in 1994 on Well RBU 16-19F (UT03797) at CNG Producing Company's Island field in Northeast Utah, the following action has been taken to lower the working injection pressure on the well.

On April 4, 1995, the subject well was stimulated with 153,000 lbs of 16/30 sand. Since that event the well has been injecting at pressures well below the maximum allowable pressure of 975 PSI. If the pressure would approach the maximum allowed in the future, a small acid stimulation will be performed.

At this time CNG Producing Company will not request a high injection pressure and would like to maintain the lower pressures with small periodic acid jobs. Please call me at (504) 593-7574 at your convenience with any questions concerning the current operation.

Sincerely,

CNG PRODUCING COMPANY

Scot Childress

Scot Childress
Manager of Production

cc: Wayne Bankert, Bureau of Land Management
Gil Hunt, Utah Board of Oil Gas & Mining

CNG Producing Company

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

MAR 1 8 1996

A **CNG** COMPANY

March 14, 1996

Mr. Jerry Barnes
Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, Utah 87078

RE: RBU 16-19F
Fire at Location

Dear Mr. Barnes:

Enclosed please find our Sundry Notice filed in triplicate for the above referenced fire. The fire was reported to you by our Rocky Mountain Production Manager, Mitch Hall.

If you have any questions or need any further information, please feel free to contact me at (504) 593-7260 or Mitch Hall at (801) 722-4521.

Sincerely,

CNG PRODUCING COMPANY

Susan H. Sachitana

Susan H. Sachitana
Coordinator, Regulatory Reports

Enclosure

cc: Nelda Decker
Mitch Hall
William Hamner
Aline Wyman
RBU 16-19F Well File

Form 3160-5

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

5. Lease Designation and Serial No.
U-013769-A

6. If Indian, Allottee or Tribe Name

1. Type of Well
[ ] Oil Well [ ] Gas Well [X] Other Salt Water Disposal Well

7. If Unit or CA, Agreement Designation
River Bend Unit

2. Name of Operator
CNG PRODUCING COMPANY

8. Well Name and No.
16-19F

3. Address and Telephone No.
CNG Tower - 1450 Poydras Street, New Orleans, LA 70112-6000

9. API Well No.
43-047-32070

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Surface - 882' FEL and 875' FSL of Sect 19-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
	[ ] Recompletion	[ ] New Construction
[X] Subsequent Report	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
[ ] Final Abandonment Notice	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other - Report Tank Fire	[ ] Dispose Water
		(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.)*

On 3/13/96 at 4:30 PM, lighting struck the 400 bbl tank at RBU 16-19F and was burned and destroyed. There was approximat 2 bbls of condensate were in the tank at the time and was burned in the fire.

The fire was spotted by a water hauler who contacted the Head Lease Operator. The HLO was still in the field and both the HLO and the water hauler sprayed down the rest of the equipment avoiding additional property damage.

The fire was reported on 3/14/96 to Jerry Barnes with the Vernal BLM by Mitch Hall and to Jim Thompson with the Utah Board of Oil Gas & Mining by Sue Sachitana.

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

Signed Susan Sachitana Title Coordinator, Reg. Reports Date March 14, 1996
Susan H. Sachitana

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

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

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

A **CNG** COMPANY

RECEIVED
MAR 06 1997
DIV. OF OIL, GAS & MINING

February 28, 1997

Mr. Wayne Bankart
Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, Utah 87078

RE: RBU 16-19F
Fire at Location

Dear Wayne:

Enclosed please find our Sundry Notice filed in triplicate for the above referenced fire. There were no injuries and no liquids were released into the environment.

If you have any questions or need any further information, please feel free to contact me at (504) 593-7260.

Sincerely,

CNG PRODUCING COMPANY

Susan H. Sachitana

Susan H. Sachitana
Coordinator, Regulatory Reports

Enclosure

cc: Utah Board of Oil Gas & Mining
Nelda Decker
Mitch Hall
William Hamner
RBU 16-19F Well File

Form 3160-5

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

5. Lease Designation and Serial No.
U-013769-A

6. If Indian, Allottee or Tribe Name

1. Type of Well
[ ] Oil Well [ ] Gas Well [X] Other Salt Water Disposal Well

7. If Unit or CA, Agreement Designation
River Bend Unit

2. Name of Operator
CNG PRODUCING COMPANY

8. Well Name and No.
16-19F

3. Address and Telephone No.
CNG Tower - 1450 Poydras Street, New Orleans, LA 70112-6000

9. API Well No.
43-047-32070

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Surface - 882' FEL and 875' FSL of Sect 19-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
	[ ] Recompletion	[ ] New Construction
[X] Subsequent Report	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
[ ] Final Abandonment Notice	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other - Pump Engine Fire	[ ] Dispose Water
		(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.)*

The petcock was leaking gas from the pump engine at the RBU 16-19F injection well. The ignition source was from somewhere in the engine. A fire started in the pump house on 2/21/97.

The fire was contained to the building that houses the pump. The engine must be replace, but the building is repairable.

There were no liquids released into the environment. The integrity of the pump is still complete with damage only to the exterior of the pump.

There were no injuries to any personnel.

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

Signed Susan H. Sachitana Title Coordinator, Reg. Reports Date February 28, 1997
Susan H. Sachitana

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

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**

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
INJECTION WELL INSPECTION RECORD

Operator: CNG **API:** 43-047-32070

Well Name: RBU 16-19F **Field:** NAT BUTTES

Sec/Twp/Rng: 19, 10S, 20E

County: UINTAH

Type of Inspection: **Routine** **MIT** **Workover** **Conversion** **Plugging**

Injection Type:

Disposal: X **Enhanced Recovery:** _____ **Other:** _____

Injecting: NO **Shut-In:** NO

Rate: 0 (bpd) **Totalizer:** 13002 (bbls)

Gauges: Tubing Y
Casing Y **Casing Pressure:** 0 (psig)

Tubing Pressure: 560 (psig) **Housekeeping:** GOOD

Equipment Condition: GOOD

Remarks: TWO 400 BBL. TANKS FOR DISPOSAL WATER. TWO 300 BBL. PUMP NOT RUNNING.

Inspector: DAVID HACKFORD **Date:** 10/27/98

Time: 2:15PM

CNG Producing
Company

CNG

43-047-32070

February 23, 1999

Mr. Byron Tolman
Dept. of the Interior
Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, UT 84078

RE: RBU 16-19F Sec. 19-T10S-R20E

Dear Mr. Tolman:

Enclosed please find an original and two copies of our sundry notice requesting permission to use location dirt from the RBU #12-20F well to berm around the salt water disposal tanks at the RBU #16-19F well.

You gave James Sweat, with CNG, verbal approval to perform operations on February 24, 1999.

If you have any questions or need any further information, please feel free to contact me at (504) 593-7260 or our District Manager, Mitch Hall, at (435) 722-4521.

Sincerely,

Susan H. Sachitana

Susan H. Sachitana
Regulatory Reports Administrator

cc: Utah Board of Oil, Gas & Mining
David Linger
Nelda Decker
Mitch Hall
Well History Files

Form 3160-5
(NOVEMBER 1994)

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

5. Lease Serial No.: U013769-A
6. If Indian, Allottee or Tribe Name:
7. If Unit or CA/ Agreement, Name and/or No.: RIVER BEND UNIT
8. Well Name and No.: RBU 16-19F
9. API Well No.: 43-047-32070
10. Field and Pool, or Exploratory Area: NATURAL BUTTES 630
11. County or Parish, State: UINTAH, UTAH

1. Type of Well: [ ] Oil Well [X] Gas Well [ ] Other
2. Name of Operator: CNG PRODUCING COMPANY
3a. Address: 1450 POYDRAS ST, NEW ORLEANS, LA 70112-6000
3b. Phone No. (include area code): (504) 593-7000
4. Location of Well (Footage, Sec., T., R., M., or Survey Description): Surface - 882' FEL and 875' FSL of Sect 19-T10S-R20E

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

TYPE OF SUBMISSION	TYPE OF ACTION			
[X] Notice of Intent	[ ] Acidize	[ ] Deepen	[ ] Production (Start/Resume)	[ ] Water Shut-Off
[ ] Subsequent Report	[ ] Alter Casing	[ ] Fracture Treat	[ ] Reclamation	[ ] Well Integrity
[ ] Final Abandonment Notice	[ ] Casing Repair	[ ] New Construction	[ ] Recomplete	[X] Other BERM AROUND WATER DISPOSAL TANKS
	[ ] Change Plans	[ ] Plug and Abandonment	[ ] Temporarily Abandon	
	[ ] Convert to Injection	[ ] Plug Back	[ ] 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 requests permission to use 20 yards of location dirt from the RBU #12-20F well to use for the berm around the water disposal tanks at the RBU #16-19F well.

Verbal approval given to James Sweat by Byron Tolman, with the BLM, on 2/24/99 to perform the above referenced work.

RECEIVED
FEB 26 1999
DIV. OF OIL, GAS & MINING

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

Name (Printed/Typed)	Title
SUSAN H. SACHITANA	REGULATORY REPORTS ADMINISTRATOR
Signature: Susan H. Sachitana	Date: 990224

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.

Accepted by the Utah Division of Oil, Gas and Mining

FOR RECORD ONLY

COPY SENT TO OPERATOR
Date: 3-9-99
Initials: CHD

Federal Approval of this Action is Necessary

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. 1450 Poydras Street New Orleans, LA 70112-6000	: : :	Oil and Gas Leases

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

Dominion℠

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

Susan H. Sachitana
Regulatory Reports Administrator

Enclosure

cc: Nelda Decker

RECEIVED

JUN 29 2000

DIVISION OF
OIL, GAS AND MINING

FORM 9

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.

5. Lease Designation and Serial Number: VARIOUS
6. If Indian, Allottee or Tribe Name:
7. Unit Agreement Name:
8. Well Name and Number: VARIOUS
9. API Well Number
10. Field and Pool, or Wildcat: Natural Buttes 630

1. Type of Well : OIL ☐ GAS ☐ OTHER:
2. Name of Operator: DOMINION EXPLORATION & PRODUCTION, INC.
3. Address and Telephone Number: 1460 Poydras Street, New Orleans, LA 70112-6000 (504) 593-7260
4. Location of Well
   Footages:
   QQ, Sec, T., R., M.:
   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)	
☐ Abandon	☐ New Construction	☐ Abandon*	☐ New Construction
☐ Repair Casing	☐ Pull or Alter Casing	☐ Repair Casing	☐ Pull or Alter Casing
☐ Change of Plans	☐ Recomplete	☐ Change of Plans	☐ Reperforate
☐ Convert to Injection	☐ Reperforate	☐ Convert to Injection	☐ Vent or Flare
☐ Fracture Treat or Acidize	☐ Vent or Flare	☐ Fracture Treat or Acidize	☐ Water Shut-Off
☐ Multiple Completion	☐ Water Shut-Off	☒ Other OPERATOR NAME CHANGE FOR WELLS	
☐ Other		Date of work completion	
Approximate date work will start		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: John R. Lewis Title: Sr. Vice-President - Dominion Expl. & Prod., Inc. Date: June 26, 2000

(This space for State use only)

(4/94) (See Instructions on Reverse Side)

552894
CO 106990
File Number

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

Check Appropriate Box	
[X] 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.

(The corporation shall use its name as set forth on #1, unless this name is not available)

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 it's 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 attached 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 — 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
APR 25 2000
Utah Div. Of Corp. & Comm. Code

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 _____ Date 2/4/00

[illegible] O. JENSON
[illegible] DIRECTOR

Date: 04/25/2000
Receipt Number: 22156
Amount Paid: $60.00

common\forms\Misc\amendcert
Revised 01-14-00 mm
UT022 - 2/18/00 C T System Online

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	[redacted] 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

Division of Oil, Gas and Mining

ROUTING:

[redacted]	4-KAS ✓
2-CDW ✓	5-~~SJ~~ JP ✓
3-JLT	6-FILE

OPERATOR CHANGE WORKSHEET

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	API	Entity	S	T	R	Lease
RBU 5-13E	43-047-31715	7050	13	10S	19E	U-013765
RBU 13-13E	43-047-31717	7050	13	10S	19E	U-013765
RBU 9-9E	43-047-31739	7050	09	10S	19E	U-03505
RBU 13-14E	43-047-32033	7050	14	10S	19E	U-013792
RBU 11-3E	43-047-32037	7050	03	10S	19E	U-013765
RBU 6-18F	43-047-32038	7050	18	10S	20E	U-013769
RBU 15-24E	43-047-32040	7050	24	10S	19E	U-013794
RBU 5-14E	43-047-32041	7050	14	10S	19E	U-013792
RBU 12-20F	43-047-32050	7050	20	10S	20E	U-0143520A
RBU 7-13E	43-047-32051	7050	13	10S	19E	U-013765
RBU 16-19F	43-047-32070	7050	19	10S	20E	U-013769-A
RBU 9-22E	43-047-32071	7050	22	10S	19E	U-013792
RBU 15-34B	43-047-32072	7050	34	09S	19E	U-017713
RBU 11-15E	43-047-32073	7050	15	10S	19E	U-013766
RBU 13-21F	43-047-32074	7050	21	10S	20E	U-014352OA
RBU 10-22F	43-047-32075	7050	22	10S	20E	U-01470-A
RBU 9-20F	43-047-32081	7050	20	10S	20E	U-014352OA

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_____.

-OVER-

YES 5. **Federal and Indian Lea[illegible] Wells.** The BLM or the BIA has approve[illegible]e 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

_____

_____

_____

_____

_____

Form 3160-5
(August 1999)

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 proposal 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-013769-A
6. If Indian, Allottee or Tribe Name:
7. If Unit or CA/Agreement, Name and/or No.: RIVER BEND UNIT
8. Well Name and No.: RBU 16-19F
9. API Well No.: 43-047-32070
10. Field and Pool, or Exploratory Area: NATUTAL BUTTES
11. County or Parish, State: UINTAH COUNTY, UTAH

1. Type of Well: ☐ Oil Well ☒ Gas Well ☑ Other WD
2. Name of Operator: DOMINION EXPLORATION & PRODUCTION, INC.
3a. Address: 16945 Northchase Drive, Suite 1750 Houston, Texas 77060
3b. Phone No. (*include area code*): 281-873-3692
4. Location of Well (*Footage, Sec., T., R., M., or Survey Description*): Sec. 19, T10S, R20E

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Install Tank
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Coommpleted 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.)

Dominion Exploration & Production, Inc. respectfully requests permission to install a 300 bbl tank at our disposal well, RBU 16-19F. The purpose of the tank is to allow us to skim off any condensate. The tank would be strapped and condensate sold on-site. No additional surface disturbance would occur.

A new site diagram is attached.

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

RECEIVED
APR 02 2001
DIVISION OF OIL, GAS AND MINING

14. I hereby certify that the foregoing is true and correct
Name (*Printed/Typed*): Diann Flowers
Title: Regulatory Specialist
Signature: Diann Flowers
Date: 03/30/2001

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

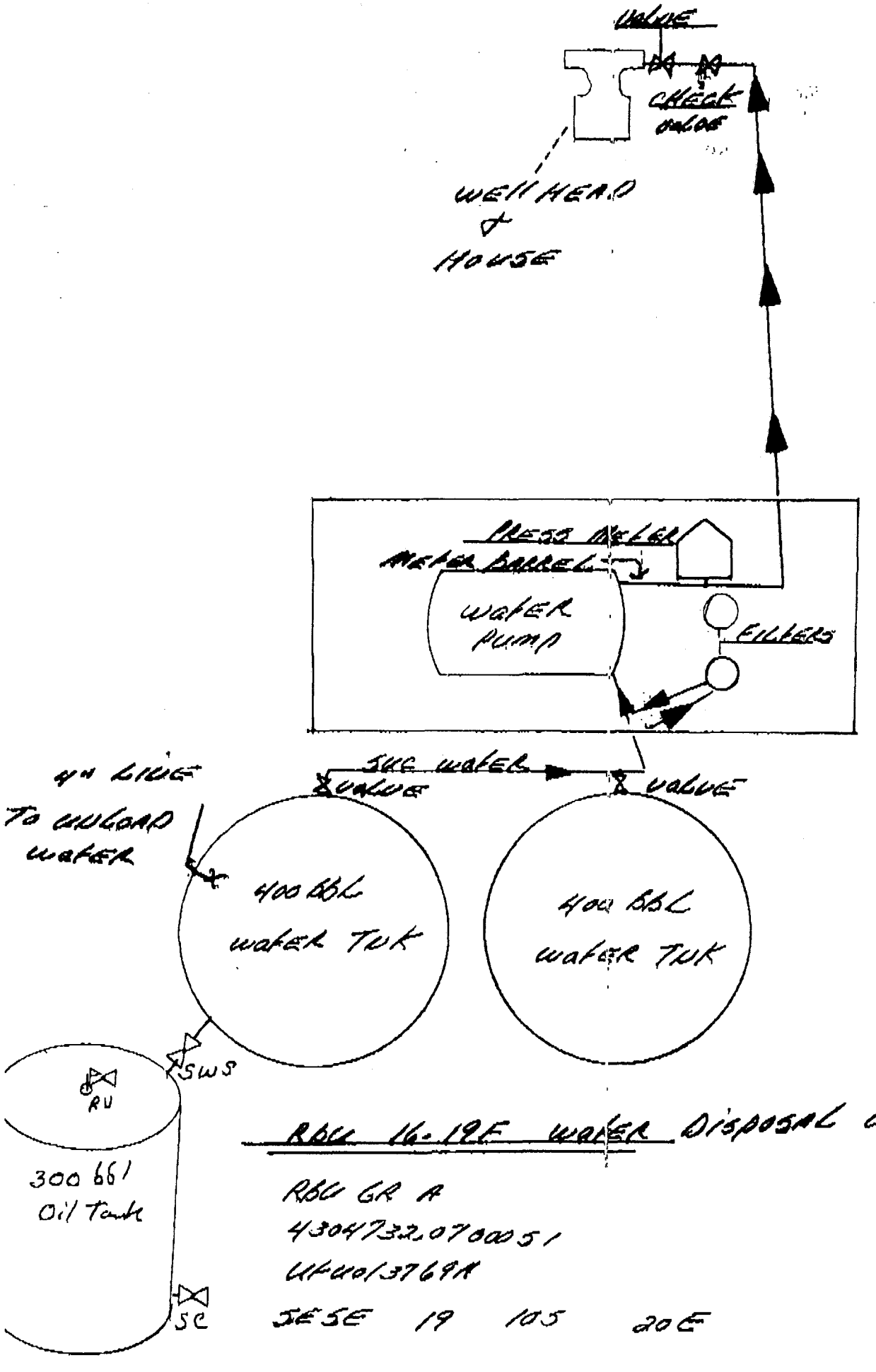
Approved by | Title | Date

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, 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.

SITE DIAGRAM - RBU 16-19F



RBU 16-19E WATER DISPOSAL WELL

RBU GR A

4304732070051

UFU013769A

SESE 19 10S 20E

Form 3160-5
(August 1999)

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 proposal 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-013769-A
6. If Indian, Allottee or Tribe Name:
7. If Unit or CA/Agreement, Name and/or No.: RIVER BEND UNIT
8. Well Name and No.: RBU 16-19F
9. API Well No.: 43-047-32070
10. Field and Pool, or Exploratory Area: NATUTAL BUTTES
11. County or Parish, State: UINTAH COUNTY, UTAH

1. Type of Well
☐ Oil Well ☒ Gas Well ☒ Other WD

2. Name of Operator
DOMINION EXPLORATION & PRODUCTION, INC.

3a. Address
16945 Northchase Drive, Suite 1750 Houston, Texas 77060

3b. Phone No. (*include area code*)
281-873-3692

4. Location of Well (*Footage, Sec., T., R., M., or Survey Description*)
Sec. 19, T10S, R20E

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Install Tank
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Coommpleted 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.)

Dominion Exploration & Production, Inc. respectfully requests permission to install a 300 bbl tank at our disposal well, RBU 16-19F. The purpose of the tank is to allow Dominion to skim off any oil. The oil would be floated off with water through an equalizer and stored in an oil tank. The tank would be strapped and condensate sold on-site and allocated back to the corresponding wells. No additional surface disturbance would occur.

A new site diagram is attached.

COPY SENT TO OPERATOR
Date: 04-24-01
Initials: CHD

Approved by the Utah Division of Oil, Gas and Mining
Date: 04-24-01
By: [signature]

RECEIVED
APR 23 2001
DIVISION OF OIL, GAS AND MINING

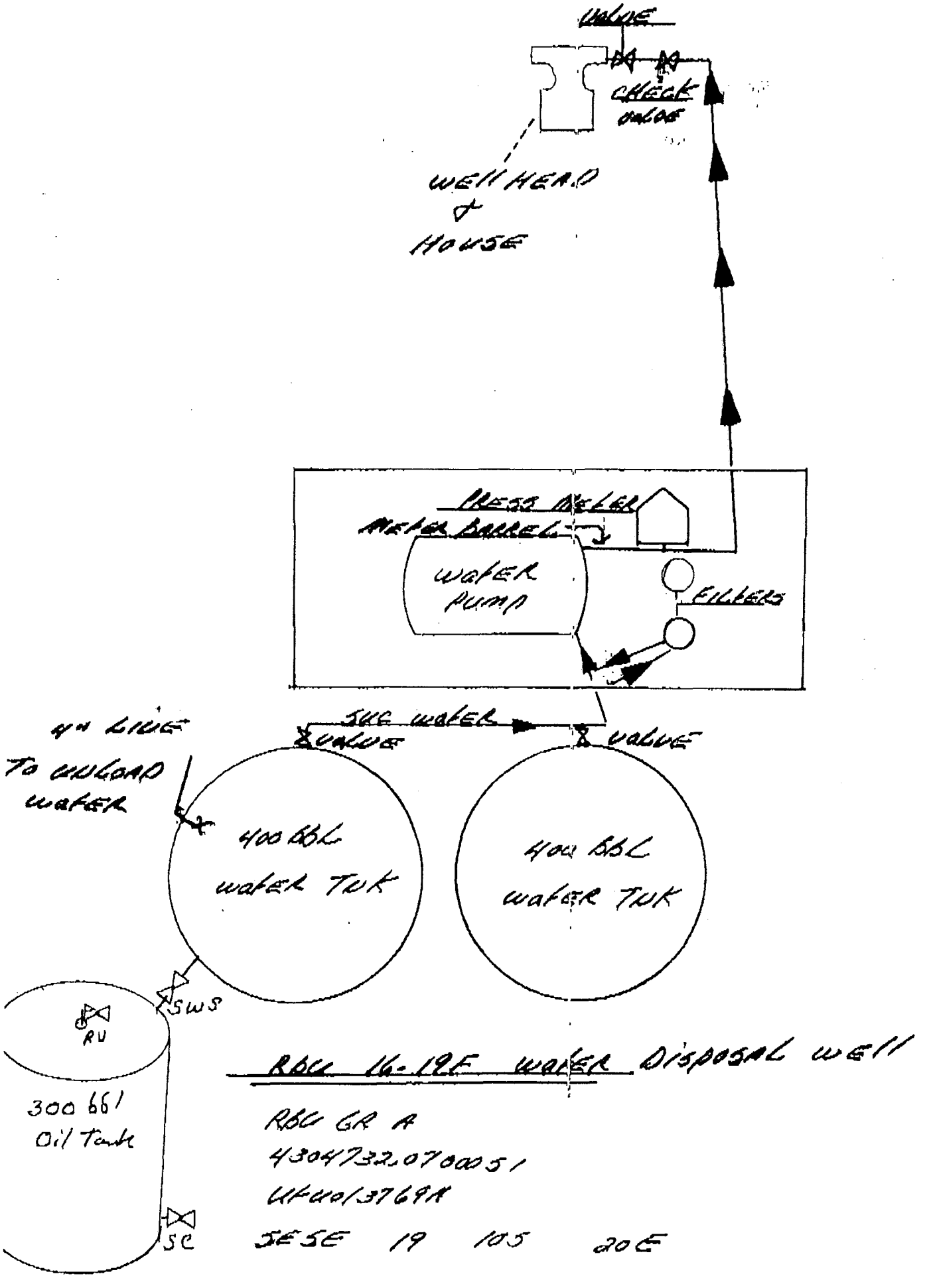
14. I hereby certify that the foregoing is true and correct
Name (*Printed/Typed*): Diann Flowers
Title: Regulatory Specialist
Signature: Diann Flowers
Date: 04/19/2001

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, 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.

SITE DIAGRAM - RBU 16-19F



NOTICE

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION VIII, 999 18TH STREET - SUITE 500
DENVER, COLORADO 80202-2405

Date: 4/20/00 Hour: 8:55a	Notice of inspection is hereby given according to Section 1445(b) of the Safe Drinking Water Act (42 U.S.C. §300f et seq.).

Firm Name: ~~CHG~~ Dominion Exploration & Production

Firm Address: P.O. Box 1360, Roosevelt UT 84066

REASON FOR INSPECTION: RBU 16-19F 43-047-32070 — CHG Producing
Sec. 19, 10S, 20E 950 PSI held 30 min.

For the purpose of inspecting records, files, papers, processes, controls and facilities, and obtaining samples to determine whether the person subject to an applicable underground injection control program has acted or is acting in compliance with the Safe Drinking Water Act and any applicable condition of permit or rule authorization.

SECTION 1445(b) of the SAFE DRINKING WATER ACT is quoted below:

Section 1445(b)(1): Except as provided in Paragraph (2), the Administrator, or representatives of the Administrator duly designated by him, upon presenting appropriate credentials, and a written notice to any supplier of water or other person subject to (a), or person subject (A) a national primary drinking water regulation prescribed under Section 1412(B) an applicable Underground Injection Control Program, or (C) any requirement to monitor an unregulated contaminant pursuant to subsection (a), or person in charge of any of the property of such supplier or other person referred to in clause (A), (B), or (C), is authorized to enter any establishment, ... facility, or other property of such supplier or other person in order to determine whether such supplier or other person has acted or is acting in compliance with this title, including for this purpose, inspection, at reasonable times, of records, files, papers, processes, controls, and facilities, or in order to test any feature of a public water system, including its raw water source. The Administrator or the Comptroller General (or any representative designated by either) shall have access for the purpose of audit and examination to any records, reports, or information of a grantee which are required to be maintained under subsection (a) or which are pertinent to any financial assistance under this title.

RECEIVED
APR 25 2000
DIVISION OF
OIL, GAS AND MINING

Bahram Jafari, SFE
Nathan M. Wiser, Env. Scientist

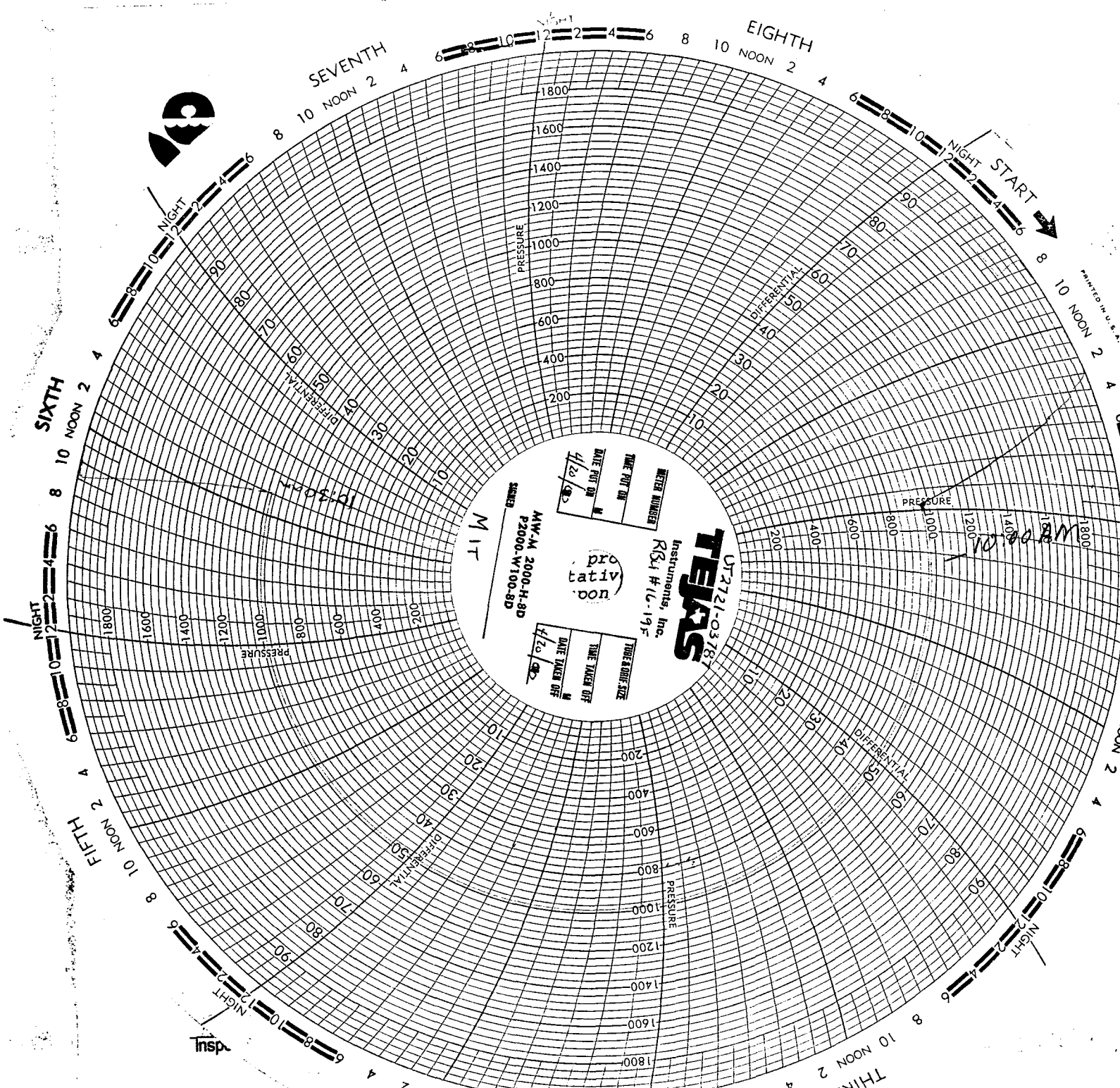
Inspector's Name & Title (Print)

Inspector's Signature

EPA R8 3560-1 (8-89)

Original - Regional Office Copy

RECEIVED
APR 25 2000
DIVISION OF
OIL, GAS AND MINING



Form 3160-5
(August 1999)

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 proposal 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.
UTU-013769-A

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
RBU 5-19F

9. API Well No.
43-047-32213

10. Field and Pool, or Exploratory Area
NATURAL BUTTES

11. County or Parish, State
UINTAH COUNTY, UTAH

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
DOMINION EXPL. & PROD., INC.

3a. Address
16945 NORTHCHASE DRIVE, SUITE 1750
HOUSTON, TEXAS 77060

3b. Phone No. (*include area code*)
(281) 873-3692

4. Location of Well (*Footage, Sec., T., R., M., or Survey Description*)
1100' FWL & 2570' FNL
SW, NW Sec. 19, T. 10 SOUTH, R. 20 EAST

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

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

13. Describe Proposed or Coommpleted 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.)

Operator requests permission to temporarily abandon the subject well for a period of one year. Operator will evaluate the well and either return it to production of submit plugging proposal.

All production equipment has been removed and transported to the HCU 13-30F well.

Accepted by the Utah Division of Oil, Gas and Mining

Date: 11/2/01
By: [signature]
TA: 11/2/02

Federal Approval Of This Action Is Necessary

COPY SENT TO OPERATOR
Date: 11-5-01
Initials: CHD

RECEIVED
OCT 29 2001
DIVISION OF OIL, GAS AND MINING

14. I hereby certify that the foregoing is true and correct
Name (*Printed/Typed*)
DIANN FLOWERS

Title REGULATORY SPECIALIST

Signature [signature]

Date 10/22/2001

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

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING
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**

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

CA No. **Unit:** **RIVER BEND**

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED LIST								

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 8/6/2007
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 8/6/2007
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 8/6/2007

4a. Is the new operator registered in the State of Utah: _____ Business Number: 5655506-0143

4b. If **NO**, the operator was contacted contacted on:

5a. (R649-9-2)Waste Management Plan has been received on: IN PLACE

5b. Inspections of LA PA state/fee well sites complete on: n/a

5c. Reports current for Production/Disposition & Sundries on: ok

6. **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
7. **Federal and Indian Units:**
   The BLM or BIA has approved the successor of unit operator for wells listed on: _____
8. **Federal and Indian Communization Agreements ("CA"):**
   The BLM or BIA has approved the operator for all wells listed within a CA on: _____
9. **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:

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

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UTB000138
2. Indian well(s) covered by Bond Number: n/a

3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 104312762

3b. 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:

4. (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:

FORM 9

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

5. LEASE DESIGNATION AND SERIAL NUMBER:

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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.

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER _____

8. WELL NAME and NUMBER: SEE ATTACHED

2. NAME OF OPERATOR: XTO Energy Inc. N2615

9. API NUMBER: SEE ATTACHED

3. ADDRESS OF OPERATOR: 810 Houston Street, CITY Fort Worth, STATE TX, ZIP 76102

PHONE NUMBER: (817) 870-2800

10. FIELD AND POOL, OR WILDCAT: Natural Buttes

4. LOCATION OF WELL

FOOTAGES AT SURFACE: SEE ATTACHED

COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: _____	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☑ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
_____	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER: _____
	☐ CONVERT WELL TYPE	☐ 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.
14000 Quail Springs Parkway, Suite 600
Oklahoma City, OK 73134
N1095

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) Edwin S. Ryan, Jr. TITLE Sr. Vice President - Land Administration

SIGNATURE Edwin S. Ryan, Jr. DATE 7/31/2007

(This space for State use only)

APPROVED 9/27/07
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

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

(5/2000) (See Instructions on Reverse Side)

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	SENW	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	SENW	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	twp	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	SENW	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.

RIVER BEND UNIT

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

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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	SENW	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	SENW	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	SENW	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	SENW	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	SENW	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	SENW	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	SENW	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

TAKE PRIDE IN AMERICA

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

UIC FORM 5

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

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number	API Number
RBU 16-19F	4304732070
Location of Well	**Field or Unit Name**
Footage : 875' FSL & 882' FEL — County : Uintah	Natural Buttes
QQ, Section, Township, Range: SESE 19 10S 20E — State : UTAH	**Lease Designation and Number** U-013769-A

EFFECTIVE DATE OF TRANSFER: 8/1/2007

CURRENT OPERATOR

Company: Dominion Exploration & Production, Inc.
Address: 14000 Quail Springs Pkwy, STE 600
city Oklahoma City state OK zip 73134
Phone: (405) 749-1300
Comments:

Name: James D. Abercrombie
Signature: James D Abercrombie
Title: Sr. Vice President, General Manager - WBU
Date: 8/1/2007

NEW OPERATOR

Company: XTO Energy Inc.
Address: 810 Houston Street
city Fort Worth state TX zip 76102
Phone: 817-870-2800
Comments:

Name: Edwin S. Ryan, Jr.
Signature: Edwin S. Ryan Jr
Title: Sr. Vice President - Land Administration
Date: 8/1/2007

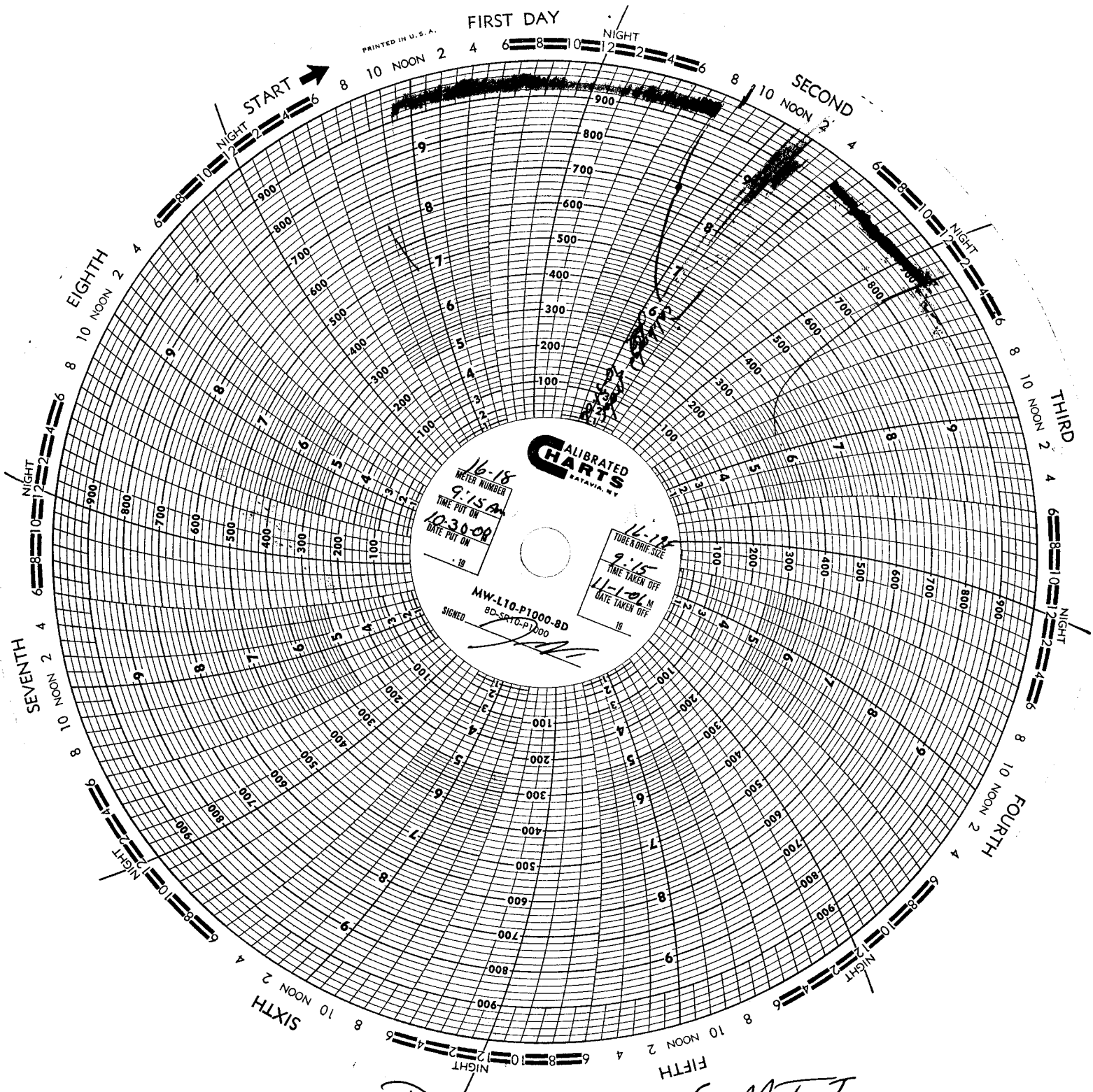
(This space for State use only)

Transfer approved by: Daniel C Jarvis
Title: UIC Geologist

Approval Date: 8/7/07

Comments:

(5/2000)



11-1-06
passed MIT

Dominion 16-19F MIT
43-047-32070
sec 19, 10S 20E Uintah County

EPA Well

FORM 9

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

5. LEASE DESIGNATION AND SERIAL NUMBER: U-013769A

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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.

7. UNIT or CA AGREEMENT NAME: RIVERBEND UNIT

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER WD

8. WELL NAME and NUMBER: RBU 16-19F

2. NAME OF OPERATOR: XTO ENERGY INC.

9. API NUMBER: 4304~~732991~~ 32070

3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410 PHONE NUMBER: (505) 333-3100

10. FIELD AND POOL, OR WILDCAT: NAT BUTTES/WASATCH

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1987' FNL & 2507' FWL 0825 FSL 0882 FEL
COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SE~~NW~~ 19 10S 20E
STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☑ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion: 2/1/2008	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER:
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

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

XTO Energy Inc. performed a chemical treatment on this well in the following manner:

1/31/08: MIRU Schlumberger acid equip. PT lines to 3500 psig. Pmp 70 bbls 15% HCL ac dwn tbg @ EIR of 4.0 BPM & 2000 psig. Dropd 232 Bio BS spaced out thru ac. WH started leaking @ master vlv connection. Cut ac & flshd w/35 bbls 2% KCl wtr. SWI & SDFN. WO WH rep 1/31.

2/1/08: ND dwn master valve. Replaced flange & bottom 2 master valves. PT new assembly. MIRU Schlumberger acid equip. PT lines to 3500 psig. Pump 120 bbls 15% HCL ac dwn tbg @ EIR of 5.0 BPM & 2800 psig. Dropd 400 Bio BS spaced out thru acid, flushed ac w/55 bbls 2% KCl wtr. SWI. SICP 902 psig. 125 BLWTR. Well ready for injection 1-31-08 @ 6:00 pm.

Returned well to injection 2/1/2008.

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

NAME (PLEASE PRINT) HOLLY C. PERKINS TITLE REGULATORY COMPLIANCE TECH
SIGNATURE Holly C. Perkins DATE 2/8/2008

(This space for State use only)

RECEIVED
FEB 11 2008
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

FORM 9

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

5. LEASE DESIGNATION AND SERIAL NUMBER: U-013769A

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA

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.

7. UNIT or CA AGREEMENT NAME: RIVERBEND UNIT

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: RBU 16-19F

2. NAME OF OPERATOR: XTO ENERGY INC.

9. API NUMBER: 4304732070

3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410 PHONE NUMBER: (505) 333-3100

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES/GRN RVR

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 875' FSL & 882' FEL COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESE 19 10S 20E S STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
1/31/2008	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: ACID TREATMENT
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

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

1/31/08: MIRU Schlumberger ac equip. PT lines to 3500 psig. Pmp 70 bbls 15% HCL ac dwn tbg @ EIR of 4.0 BPM & 2000 psig. Dropd 232 Bio BS spaced out thru ac. WH started leaking @ master vlv connion. Cut ac & flshd w/35 bbls 2% KCl wtr. SWI & SDFN. WO WH rep 1/31. SICP 919 psig. 105 BLWTR.

ND dwn master vlv. Replsd flng & btm 2 master vlvs. PT new assy. MIRU Schlumberger ac equip. PT lines to 3500 psig. Pmp 120 bbls 15% HCL ac dwn tbg @ EIR of 5.0 BPM & 2800 psig. Dropd 400 Bio BS spaced out thru ac, flshd ac w/55 bbls 2% KCl wtr. SWI. SICP 902 psig. 125 BLWTR. Well ready for injection 1-31-08 @ 6:00 pm.

NAME (PLEASE PRINT) HOLLY C. PERKINS TITLE REGULATORY COMPLIANCE TECH

SIGNATURE Holly C. Perkins DATE 4/11/2008

(This space for State use only)

RECEIVED
APR 15 2008
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

FORM 9

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

5. LEASE DESIGNATION AND SERIAL NUMBER: U-013769A

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/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.

7. UNIT or CA AGREEMENT NAME: RIVERBEND UNIT

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER WD

8. WELL NAME and NUMBER: RBU 16-19F SWD

2. NAME OF OPERATOR: XTO ENERGY INC.

9. API NUMBER: 4304732070

3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410 PHONE NUMBER: (505) 333-3100

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 875' FSL & 882' FEL COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESE 19 10S 20E STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
4/9/2009	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: ACID TREATMENT
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

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

XTO Energy Inc. performed an acid treatment on this well per the attached Morning Report.

RECEIVED
JUL 07 2009
DIV. OF OIL, GAS & MINING

RECEIVED
JUL 07
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) BARBARA A. NICOL TITLE REGULATORY CLERK

SIGNATURE Barbara A. Nicol DATE 7/7/2009

(This space for State use only)

Wellname: Riverbend Unit 16-19F SWD
T-R-S: T10S-R20E-S19 **State:** Utah
Zones: Green River
Wasatch
County: Uintah **Lat:** 39*55'39.97"N **Long:** 109*42'2.340"W

Objective: Acid Treatment Proposed TD:
Daily Operations Data From: 4/9/2009 11:00:00AM to 4/9/2009 1:00:00PM
Operation Summary: MIRU Frac Tech Services. RU to tbg & PT to 5,000 psig. Pump 4 acid stages of 2500 gals 15% HCL w/ additives & 3 1000 gals 9 # brine, w/rock salt deverter stages, w/3000 gals 2% KCL flush. ISIP 845 psig, 5 min 711 psig, 10 min 651 psig, 15 min 604 psig, average pump pressure 3,350 psig, max pressure 3,895 psig. Average rate 6 BPM, Max rate 6.8 BPM. SWI. RDMO Frac Tech Services. Final rpt.

==========Riverbend Unit 16-19F SWD==========
End of Report

API Well No: 43047320700000

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: U-013769-A

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.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: RIVER BEND

1. TYPE OF WELL Water Disposal Well

8. WELL NAME and NUMBER: RBU 16-19F

2. NAME OF OPERATOR: XTO ENERGY INC

9. API NUMBER: 43047320700000

3. ADDRESS OF OPERATOR: 382 Road 3100 , Aztec, NM, 87410

PHONE NUMBER: 505 333-3159 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0875 FSL 0882 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 19 Township: 10.0S Range: 20.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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

TYPE OF SUBMISSION

- ☐ NOTICE OF INTENT
  Approximate date work will start:
- ✓ SUBSEQUENT REPORT
  Date of Work Completion: 7/6/2009
- ☐ SPUD REPORT
  Date of Spud:
- ☐ DRILLING REPORT
  Report Date:

TYPE OF ACTION

✓ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

XTO Energy Inc., performed an acid treatment on this well per the following:
7/6/2009 MIRU Frac Tech Services. RU to tbg & PT to 5,000 psig. Pump 4 acid stages of 2500 gals 15% HCL w/ additives & 3 1000 gals 9 # brine, w/rock salt deverter stages, w/3000 gals 2% KCL flush. ISIP 1050 psig, 5 min 943 psig, 10 min 908 psig, 15 min 854 psig, average pump pressure 3,000 psig, max pressure 5,200 psig. Average rate 5.25 BPM, Max rate 6 BPM. RDMO Frac Tech Services. Wait 4 hrs & start injecting wtr down hole.
Final rpt.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
October 01, 2009

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Dolena Johnson	505 333-3164	Regulatory Compliance Tech

SIGNATURE	DATE
N/A	10/1/2009

RECEIVED October 01, 2009

Federal Approval of this Action is Necessary

FORM 9

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

5.LEASE DESIGNATION AND SERIAL NUMBER: U-013769-A

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.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: RIVER BEND

1. TYPE OF WELL Water Disposal Well

8. WELL NAME and NUMBER: RBU 16-19F

2. NAME OF OPERATOR: XTO ENERGY INC

9. API NUMBER: 43047320700000

3. ADDRESS OF OPERATOR: 382 Road 3100 , Aztec, NM, 87410

PHONE NUMBER: 505 333-3159 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0875 FSL 0882 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 19 Township: 10.0S Range: 20.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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

TYPE OF SUBMISSION

- ☐ NOTICE OF INTENT — Approximate date work will start:
- ✓ SUBSEQUENT REPORT — Date of Work Completion: 10/19/2011
- ☐ SPUD REPORT — Date of Spud:
- ☐ DRILLING REPORT — Report Date:

TYPE OF ACTION

☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: FAILED MIT

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

XTO Energy Inc. performed a MIT on this well (EPA Permit #UT20721-03787) as follows: 10/19/11: SITP 253 psig, SICP 0 psig. MIRU B&C Quick Test. NU to csg. PT line to WH, gd tst. Ppg approx 15 gal FW. SICP 1,500 psig, began losing csg psig @ rate of 100 psig/min. Repeated tst multiple times w/same results. Dave Hackford (Utah DOGM) deemed MIT to have failed. 2 hr SITP 250 psig, SICP 0 psig. SWI. RDMO B&C Quick Test. 10/20/2011: XTO Engineer, John Baker, contacted Nathan Wiser, EPA, via voice mail message @ 1:30 pm & talked to Dave Hackford @ 3:10 pm. 10/24/2011: John Baker talked to Nathan Wiser @ 8:45 am to discuss the failed MIT. XTO will proceed with repairing the well as per discussions with Nathan Wiser & Dave Hackford. Attached are the MIT Chart & Form.

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

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Barbara Nicol	505 333-3642	Regulatory Compliance Tech

SIGNATURE	DATE
N/A	11/3/2011

RECEIVED Nov. 03, 2011

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: NA Date: 10 / 19 / 11
Test conducted by: Nick Ainsworth
Others present: CJ. Atwood, Josh Roberts, Dave Hackford (State of Utah DNR), Stacy Scott

Well Name: River Bend Unit 16-19F Type: ER (SWD) Status: AC TA UC
Field: Riverbend
Location: RBU 16-19F Sec: 19 T 10 N / S R 20 E / W County: Uintah State: Utah
Operator: XTO ENERGY
Last MIT: 11 / 1 / 2006 Maximum Allowable Pressure: 978 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: _____ bpd

Pre-test casing/tubing annulus pressure: Ø psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	252 psig	252 psig	psig
End of test pressure	psig	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	1,400 psig	1,500 psig	psig
5 minutes	psig	900 psig	psig
10 minutes	psig	500 psig	psig
15 minutes	psig	250 psig	psig
20 minutes	psig	psig	psig
25 minutes	psig	psig	psig
30 minutes	psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	[ ] Pass [✓] Fail	[ ] Pass [✓] Fail	[ ] Pass [ ] Fail

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

RECEIVED Nov. 03, 2011

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.:

Initially pumped 15 gallons of Fresh Water to achieve a pressure increase on the Annulus. We identified an immediate pressure loss. Shut in and checked for any possible surface leaks. There were none. Pumped approximately 23 gallons fresh water to bring annulus back up. Pressured up to 1,500 psig. Again, we identified a pressure drop of 100 psig/min. Dave Hackford (State of Utah DNR) deemed the test as failed. Suspect a leak down hole. Shut well in until repairs are made.

Signature of Witness: [signature]

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

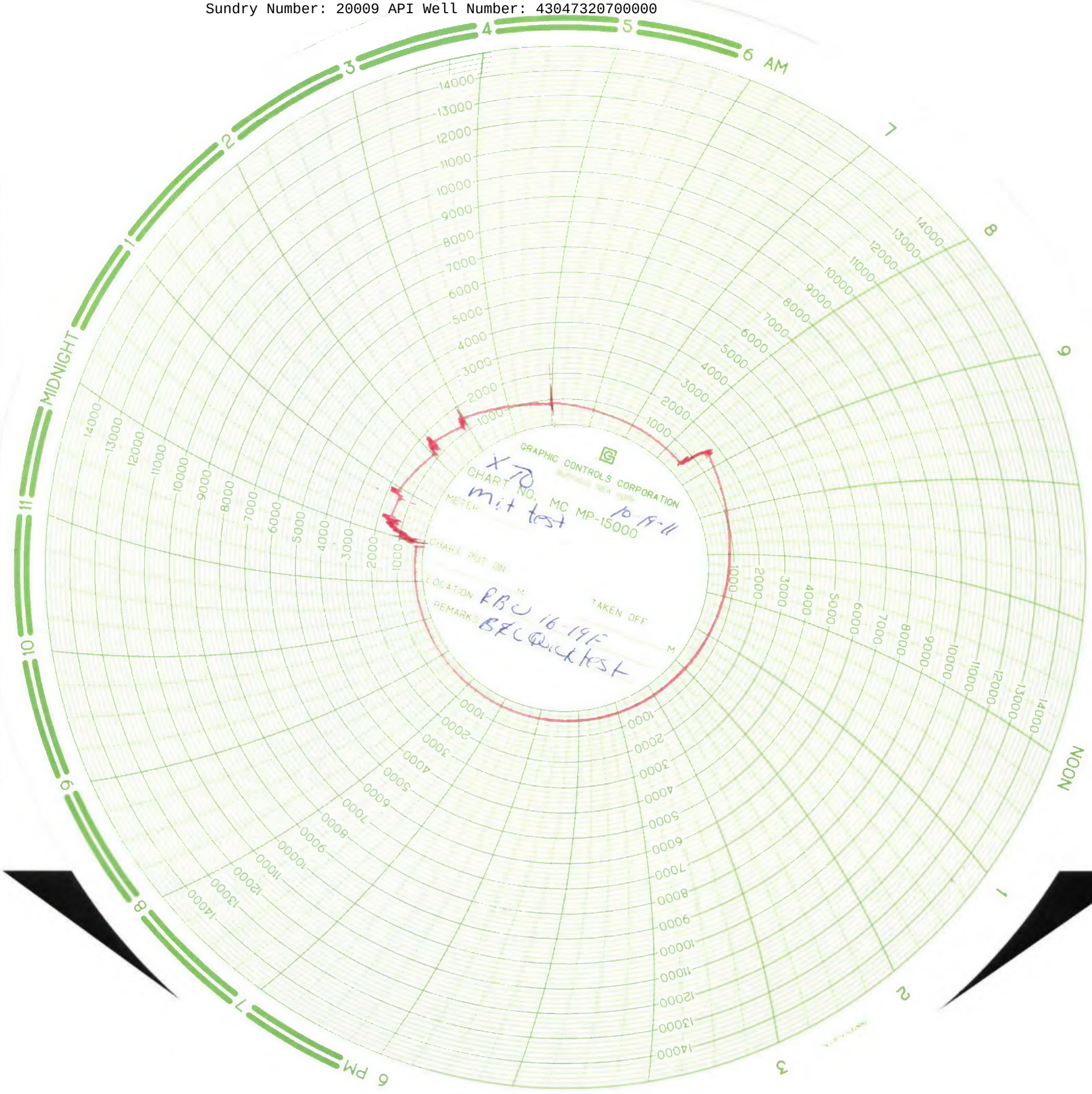
If YES, what

If YES - followup initiated? [ ] YES

[ ] NO - why not?

[ ] Data Entry [ ] Compliance Staff [ ] 2nd Data Entry [ ] Hardcopy Filing

RECEIVED Nov. 03, 2011


GRAPHIC CONTROLS CORPORATION
CHART NO. MC MP-15000
METER
LOCATION
REMARKS
TAKEN OFF
MIDNIGHT
NOON
6 AM
6 PM

RECEIVED

Federal Approval of this Action is Necessary

FORM 9

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

5.LEASE DESIGNATION AND SERIAL NUMBER: U-013769-A

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.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: RIVER BEND

1. TYPE OF WELL Water Disposal Well

8. WELL NAME and NUMBER: RBU 16-19F

2. NAME OF OPERATOR: XTO ENERGY INC

9. API NUMBER: 43047320700000

3. ADDRESS OF OPERATOR: 382 Road 3100 , Aztec, NM, 87410

PHONE NUMBER: 505 333-3159 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0875 FSL 0882 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 19 Township: 10.0S Range: 20.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 11/3/2011	☐ ACIDIZE	☐ ALTER CASING	✓ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

XTO Energy Inc. received verbal approval from Don Breffle, EPA/Region 8, @ 3:00 p.m., Wednesday, 11/02/2011, to perform a cement squeeze per the attached XTO Verbal Approval Form.

Accepted by the Utah Division of Oil, Gas and Mining

Date: 11/23/2011

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Barbara Nicol	505 333-3642	Regulatory Compliance Tech

SIGNATURE	DATE
N/A	11/3/2011

RECEIVED Nov. 03, 2011

XTO
Verbal Approval Form

Well Name	Well #	API #	County/State	XTO Employee Requesting Verbal Approval
RBU 16-19F	163857	43-047-32070	Uintah	Ray Martin

Detailed Description of Proposed Action Requiring Verbal Approval

Csg Lk isolated fr/920' - 942'; IR in to leak 1 BPM @ 2,500 psig. Cmt sqz 50 sx Class Prem G cmt w/FLA mixed @ 15.8 ppg spotted & sqzd.

Name of Agency	Verbal Approval Given By	Date/Time of Verbal Approval	COA's
EPA/Region 8	Don Breffle	11/2/2011 3:00 p.m.	

Is Pit Permit C144-CLEZ Required? (NM only)	Verbal Pit Approval Given By	Date/Time of Pit Verbal Approval	COA's

Nov. 03, 2011

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: U-013769-A

SUNDRY NOTICES AND REPORTS ON WELLS

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PHONE NUMBER: 505 333-3159 Ext

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QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 19 Township: 10.0S Range: 20.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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

TYPE OF SUBMISSION

- ☐ NOTICE OF INTENT — Approximate date work will start:
- ✓ SUBSEQUENT REPORT — Date of Work Completion: 1/9/2012
- ☐ SPUD REPORT — Date of Spud:
- ☐ DRILLING REPORT — Report Date:

TYPE OF ACTION

☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
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☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Commence Re-injection

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

XTO Energy Inc. began re-injection 1/9/2012, following EPA approval letter dated 1/4/2012. (EPA Permit #UT20721-03787).

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
January 13, 2012

NAME (PLEASE PRINT) Barbara Nicol

PHONE NUMBER 505 333-3642

TITLE Regulatory Compliance Tech

SIGNATURE N/A

DATE 1/12/2012

RECEIVED: Jan. 12, 2012

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: U-013769-A

SUNDRY NOTICES AND REPORTS ON WELLS

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PHONE NUMBER: 505 333-3159 Ext

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4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0875 FSL 0882 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 19 Township: 10.0S Range: 20.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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

TYPE OF SUBMISSION

- ☐ NOTICE OF INTENT
  Approximate date work will start:
- ✓ SUBSEQUENT REPORT
  Date of Work Completion: 12/19/2011
- ☐ SPUD REPORT
  Date of Spud:
- ☐ DRILLING REPORT
  Report Date:

TYPE OF ACTION

☐ ACIDIZE	☐ ALTER CASING	✓ CASING REPAIR
☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
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☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: MIT

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

XTO Energy Inc. has repaired a casing leak & performed a MIT on this well 12/19/2011. (EPA EPA Permit #UT20721-03787. Attached are the Summary Report, MIT Chart, & MIT EPA Form.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
01/03/2012

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Barbara Nicol	505 333-3642	Regulatory Compliance Tech

SIGNATURE	DATE
N/A	12/22/2011

RECEIVED Dec. 22, 2011

Riverbend Unit 16-19F

10/31/2011: First report for repair csg after failed MIT test. Left Phone message w/ Dave Hackford UDOGM & Vernal BLM Jamie Sparger. Will follow up Tuesday. Fill TCA w/ 4 bls TFW. PT TCA to 1,400 psig. Lost 100 psi / min. 1,400-0 psig. Flsd tbg w/ 10 bls TFW @ 900 psig & 1.5 BPM. MIRU PLS WLU. RIH w/ 1.5 " X profile plg. Set in X nipple located @ 3,333' (Top of Pkr). Bld dwn tbg. PT tbg to 2,000 psig. for 30 mins. Tstd Gd. Bd. MIRU KEY rig # 6013. ND WH. NU Bop. Unlnd hngr. Rlsd on/off tool. Circ 100 bls TFW. TOH w/ 101 jt's 2-3/8", 4.7#, L-80, IPC tbg. Ld on/off tl. SWI & SDFN.

11/1/2011: TIH w/ 5-1/2" Weatherford "TS" RBP, SN, 107 jt's 2-3/8", 4.7#, L-80, EUE tbg. Set RBP @ 3,325' FS. Spot 10' sand on same. TOH w/ tbg. PU & TIH w/ 5-1/2" Weatherford A3 Pkr. Set multiple times to isolate & identify csg leak fr/910' - 942' FS. All tst were @1,500 psig for 30 mins. EIR @ .37 Bpm @ 2,500 psig. Pmpd ttl 10 bls. Rlsd Pkr & TOH w/ tbg Ld pkr. SWI & SDFN. Had follow up personal phone conversations w/ Regulatory w/ Dave Hackford, UDOGM, & Jamie Sparger, Vernal BLM today.

11/2/2011: TIH w/ 5-1/2" Weatherford "TS" RBP & 30 jt's 2-3/8", 4.7#, L-80 EUE tbg. Set TS @ 975' FS. Spot 5' snd on same. TOH w/ tbg. TIH w/ Weatherford 5-1/2" A3 Pkr. Set Pkr @ 920' FS. Narrow down HIC fr/921' - 942'. PT TCA 1,500 psig 30 mins tstd gd. MIRU Heat Wave AC pmpr. PT surface lines to 5,000 psig. EIR w/ TFW @ .35 BPM & 2,500 psig, Pmp tlt 5 bls TFW, then pmp 500 gls 15% HCL AC. With 265 gls AC gone pressure break fr/ .35 & 2,500 to .95 BPM & 2,500 psig. Pmp ttl 500 gals acid , flsd tbg w/10 bls TFW (6 bls over flsh). ISIP 500 psig. 5 mins 340 psig. RD AC pmpr, Bd tbg & TCA. Rlsd pkr & pull 60' tbg. SWI & SDFN Don Breffle (Region 8 EPA) gave verbal OK to proceed @ 3:00 pm on 11/2/11.

11/3/2011: TOH w/ tbg. Ld pkr. TIH w/ 2-3/8" clr & 30 jts 2-3/8" EUE tbg. Tgd snd @ 963'. Pull EOT to 948' FS. MIRU ProPetro Cmnt Sevc. Pt surf lines to 5,000 psig, tstd gd. EIR w/ TFW of 0.5 bpm @ 1,000 psig. Mixed 50 sks Class G cmt + 0.4% CFL-115 @ 15.8 ppg w/ 1.15 cuft/sx yld & 5 gals/sx wtr. Ttl 10.5 bbls slurry. Pmp dwn tbg. Flsd w/ 1.5 bbls TFW. Balanced plg spotted fr/948' - 496'. TOH w/ tbg. TIH w/ Weatherford A3 Pkr & 14 jts tbg. Rvsd circ w/ 20 bbls TFW. Set Pkr @ 446' FS. Hold 1,500 psig on TCA. Sqzd cmt away as follows: Pmpd 4 bbls @ 0.5 bpm & 1,100 psig. Staged next 2-1/2 bbls @ 1/2 bbl every 20 mins. At 6 bbls ttl displacement sqz locked up @ 2,500 psig. Held for 30 mins. RD ProPetro cmt servc. SWI & SDFN.

11/4/2011: SITP 500 psig. Bd well. Rlsd Pkr TOH w/ tbg & Ld pkr. MIRU Weatherford BOP & tst equip. Chart PT 250 psig low & 5,000 psig high on the Blind & Pipe rams plus 2-1/16 out let vlv. Change out 2 new TIW vlvs. TIH w/ 4.75" drag bit, 4 - 3.5" DC's & 22 jt's tbg. Tgd cmt @ 760' FS. Ld 1 jt. RU pwr swvl. SWI to WOC & SDFWE.

11/7/2011: Estab circ & DO cmt fr/ 760' - 950' FS. Circ cln. PT sqz to 1,000 psig. Press drpd 100 psi/min. TOH w/ tbg, DC & bit. TIH w/ 5-1/2" A3 pkr & set @ 900', 700', & 500' FS, all tbg test's below set depth held 1,000 psig for 30 mins. Set Pkr @ 60' FS. PT fr 60' to 960' FS to 1,200 psig for 30 mins, tstd gd. PT TCA (60' to 0' FS) w/ no success. Press would drp fr/1,000 - 500 psig rapidly, then slowly drp fr/500 to 250 psig. Rlsd Pkr, TOH & LD tls. RD work floor. Prep to uncover BH flange in am. SWI & SDFN

11/8/2011: Uncover 8-5/8" x 5-1/2" production csg connection approx 4' below GL. Found external corrosion on csg. PT TCA to 1,000 psig, Leak was detected below 1" plate welded on 5-1/2" x 8-5/8" annulus. TIH w/ 4 - 3.5" DC & LD on trailer. TIH w/ 2-3/8" work string & LD on trailer. TIH w/ 2-3/8", 4.7#, L-80 IPC EUE prod/injection tbg and LD on trailer. ND BOP. NU B-1 flange. SWI & SDFN. RDMO. Susp rpts pending inspection of csg & rpr.

11/9/2011: Verbal permission was given on 11/9/11 to proceed with our plan to DO around WH by Nathan Wiser & Don Breffle w/EPA.

11/12/2011: MI, haul backhoe w/rock bucket, hammer dug for 3 hrs, still unable to dig, SD until further activity. RU Red Hand Back Hoe, attempt to dig around surf csg w/no success. MIRU "Martin Drilling Rat Hole" drill rig and dig out around 8-5/8" surf csg for inspection of surf csg, RD Rat Hole equip. Dig & CO around surf csg w/ roustabouts 3' below top of surf csg. SDFN. Susp rpts pending MIRU certified welder & prep to cut off 8-5/8" surf csg & inspect 5-1/2" csg.

11/16/2011: MI, clear dirt burm from around WH for rig to drill out around csg for repairs, SDFN.

11/17/2011: MI, clean out rock from around WH csg & cover WH with liner, SD until further activity.

11/28/2011: MI, cut off surface csg, clean up 5-1/2" csg & press test. Cut off half exposed 8-5/8" surf csg (16"). Clean exposed 5-1/2" production csg (48"). Drop weighted string dwn 8-5/8" - 5-1/2" annular to chk TOC, est TOC @ 70'. RU Hot oiler & PT the 5-1/2" csg to 1,500 psig for 1hr, tstd gd w/no press decrease. Isolated pump lines and put press gauge on WH to read press. PT stayed @ 1,500 psig. SWI & SDFN.

RECEIVED Dec. 22, 2011

11/30/2011: Remove old 5-1/2" csg & tbg head. Install new 5-1/2", 17#, N-80, Bell nipple. Pull 25k tension on 5-1/2" csg. Chart PT the 5-1/2" csg to 1,500 psig for 1/2 hr. Tstd Gd. No Loss. Run 30' 3/4" SS line dwn 5-1/2" annular. SWI SDFN

12/2/2011: Install 58" of new 5-1/2", 17#, N-80 csg (threaded). Install 44" of new 8-5/8", 24#, N-80 csg (threaded). Weld on 8-5/8" x 5-1/2" bradenhead. Pull 30k tension on 5-1/2" csg. Drop & set slips. SWI SDFWE. Ready for top out cement job.

12/5/2011: Clean, tape, Roscoe coat all exposed 8-5/8" csg.

12/7/2011: MIRU ProPetro cmn srvc. Mix and pump 50 sks @ 15.8 ppg & 1.15 cu ft/sx yld dwn 35' of 3/4" SS tbg installed in 8-5/8" x 5-1/2" annulus. Circ 4 bls cement to surface. SWI SDFN

12/9/2011: MIRU Key # 6013. Install 7-1/16, 5,000 psi TH. MIRU B & C Quick Tst, PT TH to 1,500 psig for 30 mins, tstd gd. NU BOP. SWI & SDFWE.

12/12/2011: TIH w/ 4.75" bit, xo, 29 jt's 2-3/8", 4.7#, L-80 EUE tbg. Tag cmt @ 950'. RU pwr swvl, DO cmt stringers fr/ 950' - 975'. Circ cln. TOH w/ tbg, Ld bit. PU RH, TIH & latch onto RBP, rlsd RBP @ 975'. TOH w/ tbg/BHA. LD RBP. TIH w/ RH, & latch onto 2nd RBP, rlsd RBP @ 3,325'. TOH & LD work string, & RBP. SWI & SDFN.

12/13/2011: TIH w/ 4-3/4" x 2-3/8" on/off tool. 101 jt's 2-3/8", 4.7#, N-80, IPC EUE tbg. Drift every jt w/1.62" after torque to 1,750 ft#'s. Circ cln w/ 65 bls w/1 bls pkr fluid w/ last 50 bbls. Space out, Latch onto Arrow Set 1 pkr @ 3,333' w/10K tension. ND BOP's, NU WH. PT tbg to 2,000 psig 1hr. Tstd Gd. PT TCA to 1,000 psig. Had 2 psi pr/ min loss. Repeat several times with well head isolation w/same result, 2 psi p/min loss. Bd csg check for flow, no flow. Check 8-5/8" csg for flow, no flow. SWI & SDFN.

12/14/2011: ND WH, NU BOP. Rlsd on/off tool. TOH w/ 101 jt's 2-3/8", 4.7#, N-80, IPC EUE tbg. LD tbg & on/off tool. TIH w/ 5-1/2" "TS" RBP, 31 jt's 2-3/8", 4.7#, L-80 EUE tbg workstring. Set TS RBP & A3 pkr @ several settings with mixed results. SWI & SDFN.

RBU 16-19F SWD test results listed below:

Tested	Interval	Start psi.	End psi	Time	Loss	psi/min	Calc Vol.
0	900	1400	1320	30	80	2.6	21
502	1000	1500	1440	30	60	2.0	31
0	502	1700	1580	30	120	4.0	9
0	748	1500	1420	30	80	2.6	13
748	1000	1350	1225	15	125	8.3	9
975	1000	1440	1250	15	190	12.6	4

12/15/2011: Bd well. Rlsd Pkr. TOH w/ PKR & tbg. Ld Pkr. TIH w/ on/off tool. Rlsd TS RBP. TOH w/ tbg. LD RBP. TIH w/ New 5-1/2", TS RBP,set @ 170' FS. MIRU B&C quick test. PT csg to 1,500 psig. Lost 75 psi in 30 mins & 125 psi 1hr. Rlsd TS RBP, TOH & LD TS RBP. TIH w/ new 5-1/2" A3 Pkr, set @ 1,130'. PT fr/ 1,130' – 3 3,333' (injection pkr w/ X plug). PT 1,000 psig 30 mins, lost 100 psi 30 mins. PT TCA fr/ 0-1,130' to 1,000 psig for 30 mins, tstd gd. Increase to 1,500 psig for 30 mins, tst gd. Rlsd pkr, TIH & set @ 3,051'. PT fr/3,051-3,333' (injection pkr w/ X plug). PT 1,000 psig 30 mins, tstd gd. PT TCA fr/ 0-3,051' to 1,000 psig for 30 mins. Tstd Gd. Rlsd pkr,TOH & set @ 2,089'. PT fr/2,089-3,333' (injection pkr w/ X plug). PT 1,000 psig 30 mins, tstd gd. PT TCA fr/ 0-2,089' to 1,000 psig for 30 mins, tstd gd. SWI & SDFN. ALL TEST were charted, pmp lines were isolated.

12/16/2011: Bd. Rlsd Pkr. MIRU B&C quick test. PT csg to 1,000 psig. Lost 0 psi 30 mins. & 6 psi 49 mins. Bd. TIH w/ 5-1/2" A3 Pkr. Set @ 3,051'. PT fr/ 0-3,051'. PT TCA to 968 psig. Lost 18 psi in 45 mins. Increase pressure to 1,031 psig. Lost 18 psi in 50 mins. Bd Rls Pkr. TOH & Ld 2-3/8" work string & Pkr. TIH w/ 4-3/4" x 2-3/8" on/off tool. 101 jt's 2-3/8", 4.7#, N-80, IPC EUE tbg. Drift every jt w/1.62" after torque to 1,750 ft#'s. Space out, Latch onto Arrow Set 1 pkr @ 3,333' w/ 1K tension. PT TCA to 1,000 psig 1hr. Tstd Gd. Rlsd on/off tool. Ld 2 jt's tbg. Nathan Wiser, EPA Denver, Richard Powell, Utah DOGM, were notified of MIT test for Monday 19th noon. SWI & SDFWE.

12/19/2011: ND BOP. Latch onto Arrow Set 1 pkr @ 3,333' w/ 1K tension. MIRU B&C Quick test trk. PT TCA to 1,000 psig for 1hr, tstd gd. NU WH. Lnd tbg on hngr as follows; 101 jt's 2-3/8", 4.7#, IPC, 1.730" ID, N-80 EUE tbg, 4-3/4" x 2-3/8" on/off tool. Perform MIT test w/ Richard Powell, Utah DOGM rep, Pat Wisener, XTO, Gerald Chapoose, Key Energy, Paul Oaks, B&C quick test. Test was @ 1,000 psig, for 60 mins w/zero loss. Bd press & recovered 17 gls fluid. RDMO Key Energy. Susp rpts for csg repair pending EPA approval.

==========Riverbend Unit 16-19F==========

RECEIVED Dec. 22, 2011

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: 12 / 19 / 2011

Test conducted by: Pat Wisener XTO energy

Others present: B&C Quick Test, Key Energy, Weatherford

Well Name: RBU 16-19F Type: ER **SWD** Status: AC TA UC

Field: River Bend

Location: 16-19F Sec: 19 T 10S N / **S** R 20E **E** / W County: Uintah,

State: Utah

Operator: XTO Energy

Last MIT: ____ / ____ / ____ Maximum Allowable Pressure: 978 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: 0 psig

MIT DATA TABLE	**Test #1**	**Test #2**	**Test #3**
TUBING PRESSURE			
Initial Pressure	0 psig	psig	psig
End of test pressure	0 psig	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	1000 psig	psig	psig
5 minutes	1000 psig	psig	psig
10 minutes	1000 psig	psig	psig
15 minutes	1000 psig	psig	psig
20 minutes	1000 psig	psig	psig
25 minutes	1000 psig	psig	psig
30 minutes	1000 psig	psig	psig
45 minutes	1000 psig	psig	psig
60 minutes	1000 psig	psig	psig
RESULT	**[x] Pass [ ]Fail**	**[ ] Pass [ ]Fail**	**[ ] Pass [ ]Fail**

RECEIVED Dec. 22, 2011

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.:

On 10-19-2011 well failed 5-yr MIT test. On 10-31-2011 csg repair operations were started. X nipple plug was installed in injection packer @ 3,337'. The injection pkr & plug were pressure tested to 2,500 psi. Injection tbg was pulled and RBP was installed @ 3,300', capped w/10' sand & pressure tested to 1,500 psi. Isolation tools were run and HIC was found between 921' – 942'. EIR of 0.37 bpm @ 2,500 psi. 750 gals 15% HCl acid was pumped to increase injection rate to 0.95 bpm @ 2,500 psi. With RBP & packer the HIC was squeeze cemented w/50 sks Class G mixed @ 15.8 ppg & 1.15 cu.ft./sx yld. The cement was drilled out and the squeezed HIC was pressure tested to 1,500 psig. With RBP's in wellbore @ 3,300' & 975', the 5-1/2" csg was cut off @ -6', new 8-5/8" csg & bradenhead were stubbed in w/6' new 5-1/2" csg. Installed 35' of 3/4" tbg dwn 8-5/8" x 5-1/2" annulus, then cemented w/25 sks G to raise cement top to surface. New 7-1/16" x 5,000 psig tubinghead was installed and pressure tested to 5,000 psi. RBP's were removed from wellbore. Injection tbg was re-installed. The injection tree was installed and pressure tested to 5,000 psi. MIT test was performed w/ Richard Powell, Roosevelt office of DOGM, Pat Wisener, XTO, and Gerald Chapoose, Key Energy, witnessing test.

Signature of Witness: Pat Wisener

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 [ ] 2nd Data Entry [ ] Hardcopy Filing

RECEIVED Dec. 22, 2011

Dec. 22, 2011

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8
1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917
http://www.epa.gov/region08

JAN 0 4 2011

RECEIVED
JAN 0 9 2012
DIV. OF OIL, GAS & MINING

Ref: 8ENF-UFO

CERTIFIED MAIL 7009-3410-0000-2594-0064
RETURN RECEIPT REQUESTED

Ken Secrest, Regulatory Coordinator
XTO Energy, Inc.
978 North Crescent Rd.
Roosevelt, UT 84066

10S 20E 19

Accepted by the
Utah Division of
Oil, Gas and Mining

FOR RECORD C

Re: Underground Injection Control (UIC)
Permission to Resume Injection
RBU 16-19F SWD Well
EPA ID# UT20721-03787
API # 43-047-32070
River Bend Field
Uintah County, UT

Dear Mr. Secrest:

On December 28, 2011, the Environmental Protection Agency (EPA) received information from XTO Energy, Inc. on the above referenced well concerning the workover to address a casing leak and the followup mechanical integrity test (MIT) conducted on December 19, 2011. The data submitted shows that the well passed the required MIT. Therefore, pursuant to Title 40 of the Code of Federal Regulations Section 144.51(q)(2) (40 C.F.R. §144.51(q)(2)), permission to resume injection is granted. Under continuous service, the next MIT will be due on or before December 19, 2016.

Pursuant to 40 C.F.R. §144.52(a)(6), if the well is not used for a period of at least two (2) years ("temporary abandonment"), it shall be plugged and abandoned unless EPA is notified and procedures are described to EPA ensuring the well will not endanger underground sources of drinking water ("non-endangerment demonstration") during its continued temporary abandonment. A successful MIT is an acceptable non-endangerment demonstration and would be necessary every two (2) years the well continues in temporary abandonment.

Failure to comply with a UIC Permit, or the UIC regulations found at 40 C.F.R. Parts 144 through 148 constitute one or more violations of the Safe Drinking Water Act, 42 U.S.C. §300h. Such non-compliance may subject you to formal enforcement by EPA, as codified at 40 C.F.R. Part 22.

If you have any questions concerning this letter, you may contact Sarah Roberts at (303) 312-7056. Please direct all correspondence to the attention of Sarah Roberts at Mail Code 8ENF-UFO.

Sincerely,

Sandra A. Stavnes, Director
UIC/FIFRA/OPA Technical Enforcement Programs

cc: Irene Cuch, Jr., Chairman
Uintah & Ouray Business Committee
P.O. Box 190
Fort Duchesne, Utah 84026

Ronald Wopsock, Vice-Chairman
Uintah & Ouray Business Committee
P.O. Box 190
Fort Duchesne, Utah 84026

Phillip Chimburas, Councilman
Uintah & Ouray Business Committee
P.O. Box 190
Fort Duchesne, Utah 84026

Stewart Pike, Councilman
Uintah & Ouray Business Committee
P.O. Box 190
Fort Duchesne, Utah 84026

Richard Jenks, Councilman
Uintah & Ouray Business Committee
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Frances Poowegup, Councilwoman
Uintah & Ouray Business Committee
P.O. Box 190
Fort Duchesne, Utah 84026

Mike Natchees, Environmental Coordinator
Ute Indian Tribe
P.O. Box 460
Fort Duchesne, Utah 84026

Manuel Myore, Director of Energy, Minerals and Air Programs
P.O. Box 70
Ute Indian Tribe
Fort Duchesne, Utah 84026

Dan Jarvis
Utah Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, Utah 84114

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: U-013769-A

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.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: RIVER BEND

1. TYPE OF WELL Water Disposal Well

8. WELL NAME and NUMBER: RBU 16-19F

2. NAME OF OPERATOR: XTO ENERGY INC

9. API NUMBER: 43047320700000

3. ADDRESS OF OPERATOR: PO Box 6501 , Englewood, CO, 80155

PHONE NUMBER: 303 397-3727 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0875 FSL 0882 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 19 Township: 10.0S Range: 20.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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

TYPE OF SUBMISSION

- ☐ NOTICE OF INTENT — Approximate date work will start:
- ✓ SUBSEQUENT REPORT — Date of Work Completion: 11/29/2016
- ☐ SPUD REPORT — Date of Spud:
- ☐ DRILLING REPORT — Report Date:

TYPE OF ACTION

☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: RAT Survey

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

XTO Energy Inc. performed a RAT survey on 11/29/16, which shows no fluid movement behind tubing or at the packer. Please see attached RAT survey.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
December 21, 2016

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Rhonda Smith	505 333-3215	Regulatory Clerk

SIGNATURE	DATE
N/A	12/9/2016

RECEIVED: Dec. 09, 2016

COMPANY	ARCO OIL & GAS COMPANY		
WELL	KUPARUK RIVER UNIT 2X-14		
FIELD	KUPARUK RIVER UNIT		
COUNTY	NORTH SLOPE BOROUGH		
STATE	ALASKA		
API NUMBER	50-029-21180-00		
LOCATION	1 FSL & 1 FEL		
	SEC 14		
	T11N		
	R10E		
PERMANENT DATUM	GROUND LEVEL	ELEVATION	0
LOG MEASURED FROM	RKB	ELEVATION	0
DRILLING MEASURED FROM	RKB		
DATE	12-MAY-86		
RUN NUMBER	ONE		
TIME LOGGER ON BOTTOM	1200		
TD DRILLER	7600		
TD LOGGER	7600		
TOP LOG INTERVAL	6900		
BOTTOM LOG INTERVAL	7600		
CASING SIZE	9 5/8		
BIT SIZE	8 1/2		
TYPE FLUID IN HOLE	DIESEL		
DENSITY	8.4		
VISCOSITY	28		
PH	10		
FLUID LOSS	6.0		
SOURCE OF SAMPLE	FLOWLINE		
RM @ MEAS TEMP	1.0 @ 70		
RMF @ MEAS TEMP	1.0 @ 70		
RMC @ MEAS TEMP	1.0 @ 70		
RM @ BHT	0.6 @ 150		
TIME CIRC ENDED	0100		
TIME LOGGER AT BOTTOM	0200		
MAXIMUM TEMP RECORDED	150		
BLOWDOWN TEMP	70		
MAXIMUM RATE	1000		
MAXIMUM PRESSURE	1000		
FLOW BEFORE	0		
FLOW AFTER	0		
TOOL NUMBER	3506		
TOOL STANDOFF	0.0		
EQUIPMENT NUMBER	3506		
LOCATION	ANCHORAGE		
RECORDED BY	D. WEAVER		
WITNESSED BY	J. MCMAHON		

THIS DATA IS NOT CORRECTED FOR ENVIRONMENTAL EFFECTS

ARCO OIL & GAS COMPANY

KUPARUK RIVER UNIT 2X-14

1 FSL & 1 FEL

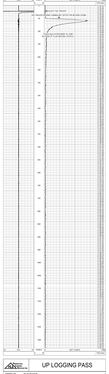
SEC 14 T11N R10E

NORTH SLOPE BOROUGH ALASKA

REMARKS: BECAUSE OF A PROBLEM TRUNCATING DATA IN THE FORMAT OF CWIN, THE FIRST 100 FEET OF DATA WAS NOT RECORDED. THE DATA WAS RECOVERED BY RUNNING THE DATA THROUGH A SPECIAL PROGRAM. THE FIRST 100 FEET OF DATA WAS RECOVERED. THE DATA WAS THEN PLOTTED ON THE ARCO PRINTER PLOTTER. THE DATA WAS THEN PLOTTED ON THE ARCO PRINTER PLOTTER.

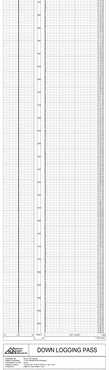
REMARKS: TOOLS FINISHED AT 0 A.M.
CALIPER DATA WAS NOT RECORDED DUE TO MEMORY BUFFER OVERFLOW DURING DATA RECOVERY.
DATA WAS RECOVERED BY RUNNING CALIPER DATA THROUGH A SPECIAL PROGRAM.
THE DATA WAS THEN PLOTTED ON THE ARCO PRINTER PLOTTER.

REMARKS: TOP PERF 6 SHOTS
CBL TOP 6900 FT
CBL TOP 6900 FT CALCULATED BY SUBTRACTING THE TRANSIT TIME OF THE CASING FROM THE TRANSIT TIME OF THE CASING AT BOTTOM (THE CASING IS ACCEPTED CEMENT OR BETTER)

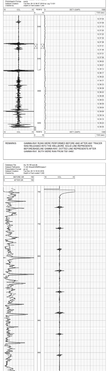


UP LOGGING PASS

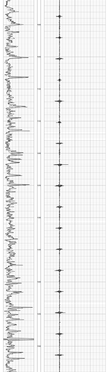
PACKER CHECK



DOWN LOGGING PASS

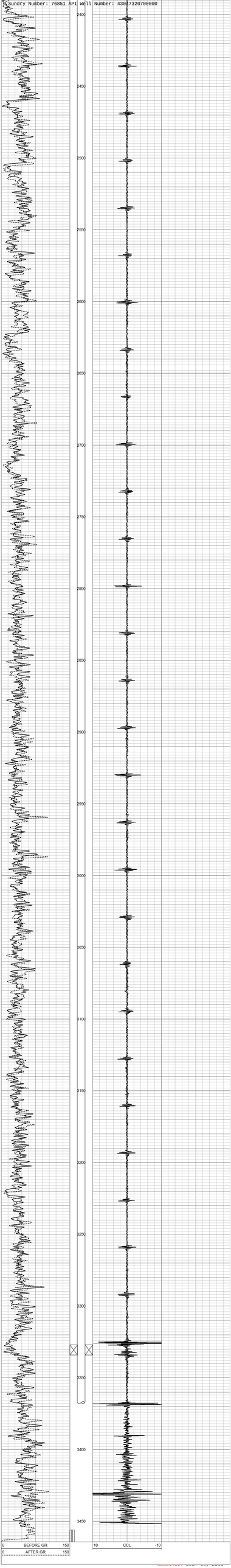


REMARKS: CORRELATED TO PACKER CHECK PASS DATED 12-MAY-86. LOST 100 FT OF DATA DURING DOWNLOADING FROM THE ARCO PRINTER PLOTTER. THE DATA WAS RECOVERED BY RUNNING THE DATA THROUGH A SPECIAL PROGRAM. THE DATA WAS THEN PLOTTED ON THE ARCO PRINTER PLOTTER.



COPYRIGHT 1986 - ARCO OIL & GAS COMPANY

Sundry Number: 76851 API Well Number: 43047320700000



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

FORM 9

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COUNTY: UINTAH

STATE: UTAH

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	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Verbal Approval for RAT Surv

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

XTO Energy Inc. received a verbal approval (attached) on 11/15/16 per DOGM Permitting Manager Brad Hill for a variance to perform a Radioactive tracer (RAT) survey in place of the 5 year MIT. Please see events leading to the need for the variance:On 8/16/16, a test was attempted prior to the 12/18/16 MIT due date. The TCA was press up to 300 psi and held 15 mins with zero loss. An onsite discussion with XTO Eric Daniels and DOGM Richard Powell was held to only test the TCA to 300 psi, due to press diff between tbg & csg because the inj. facility plant went down. But the press was increased to 900 psi on the csg. At that point the old sq holes @ 942' did not hold press. Only a small amt (gals.) was pmped attempting to get the press to hold or stabilize. Press was bled from TCA and monitored. The well was returned to normal inj with full 24 hr monitoring after no csg press was observed.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
December 28, 2016

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Rhonda Smith	505 333-3215	Regulatory Clerk
SIGNATURE N/A		**DATE** 12/9/2016

RECEIVED: Dec. 09, 2016

XTO
Verbal Approval Form

Well Name	Well #	API #	County/State	XTO Employee Requesting Verbal Approval
River Bend Unit	16-19F (SWD)	4304732070	Uintah, UT	Meghan Wilson

Detailed Description of Proposed Action Requiring Verbal Approval

Request for variance on SWD 5 year MIT. Instead of 1000 psi test on TCA, XTO request to pressure up to 300 psi and RAT. Brad Hill recommended only RAT survey.

Name of Agency	Verbal Approval Given By	Date/Time of Verbal Approval	COA's
State of Utah	Brad Hill	11/15/2016 14:00	Run RAT instead of pressure test. List Brad's name on MIT final.

RECEIVED: Dec. 09, 2016