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

SUBMIT IN TRIPLICATE*
(Other instructions 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-013821-A

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 [X]

7. UNIT AGREEMENT NAME: River Bend

8. FARM OR LEASE NAME: RBU

2. NAME OF OPERATOR: CNG Producing Company

9. WELL NO.: 12-12D

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

10. FIELD AND POOL, OR WILDCAT: Undesignated

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface: 2069' FSL & 1118' FWL ~~NE SW~~ NW/SW
At proposed prod. zone: Same

RECEIVED
JUN 27 1985
DIVISION OF OIL GAS & MINING

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec 12-T10S-R18E

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): 1118'

16. NO. OF ACRES IN LEASE: 640.48

17. NO. OF ACRES ASSIGNED TO THIS WELL: 160

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

19. PROPOSED DEPTH: 11,600' Mesa

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 4937 GR

22. APPROX. DATE WORK WILL START*: October 15, 1985

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17"	13-3/8"	48#	± 250'	Calculated to surface
12-1/4"	8-5/8"	24#	± 3,500'	Calculated to surface
7-7/8"	5-1/2"	20#	±11,600'	Calculated to 3700'

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

Exhibits Attached
"A" Plat
"B" Drilling Plan
"C" Blow Out Preventor Equipment
"D" Surface Use Plan
"E" Access Roads
"F" Production Facilities
"G" Wellsite Layout

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 7/3/85
BY: John R. Baza
WELL SPACING: R615-2-3

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

24.

SIGNED: Gregg C. Bechtel TITLE: Sr. Engineering Technician DATE: 6-21-85

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

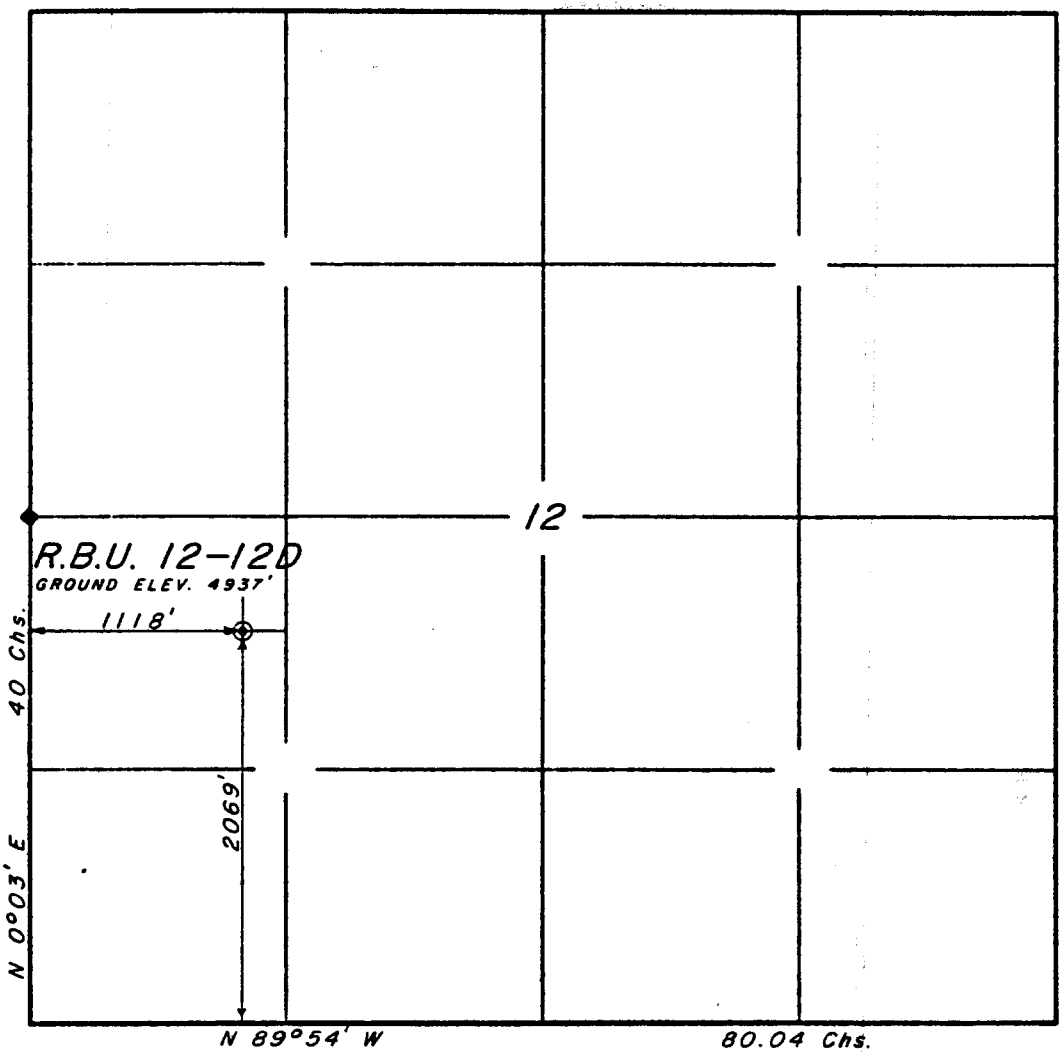
*See Instructions On Reverse Side

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
R.B.U. 12-12D

LOCATED IN THE NW¼ OF THE SW¼ OF SECTION 12, T10S, R18E, S.L.B.&M.

EXHIBIT "A"



SCALE: 1"=1000'

LEGEND & NOTES

◆ ORIGINAL CORNERS FOUND AND USED BY THIS SURVEY.

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

SOLAR OBSERVATIONS WERE USED TO DETERMINE THE BASIS OF BEARINGS.

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

3 June '85 79-128-123

Exhibit "B"

ONSHORE OIL AND GAS ORDER NO. 1

Drilling Plan

CNG Producing Company
River Bend Unit
RBU 12-12D
Section 12-T10S-R18E
2069' FSL & 1118' FWL
Uintah County, Utah

1. Estimated Tops of Important Geologic Markers

Formation	Depth	Datam
Surface	0'	+4937
Green River Tongue	4583'	+ 368
Wasatch	4763'	+ 188
Chapita Wells	5484'	- 533
Utteland Buttes	6692'	-1741
Mesaverde	8218'	-3267
Mancos	11,468'	-6517
Total Depth	11,600'	

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

Formation	Depth	Remarks
Green River Tongue	4583'	Oil
Wasatch	4763'	Gas
Chapita Wells	5484'	Gas
Utteland Buttes	6692'	Gas
Mesaverde	8218'	Gas

3. Operators Minimum Specifications for Pressure Control

(See Exhibit "C")

Exhibit "C" is a schematic diagram of the BOPE. BOP's and choke manifold will be installed and pressure tested before drilling out casing cement plugs. The BOP's will be pressure tested to 3000 psi and annular type preventer to 1500 psi. Pipe rams will be operated daily and blind rams as possible.

4. Proposed Casing Program

Size of Casing	Weight & Grade	Setting Depth	Quantity of Cement
13-3/8"	48#, K-55	± 250'	Calculated to surface
8-5/8"	24#, K-55 & S-80	±3500'	Calculated to surface
5-1/2"	20#, N-80	±11,600'	Calculated to 3700'

5. Proposed Mud Program

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

6. Auxiliary Equipment to Be Used

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

7. Testing, Logging and Coring Program

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

Testing: No DST's are anticipated

Coring: Possible sidewall cores at selected depths

Logging: DLL-GR, FDC-CNL-Caliper, LSS

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

8. Abnormal Pressures or Temperatures

No abnormal pressures are anticipated nor is the area known to have abnormal temperatures. The formations to be penetrated do not contain H_2S gas. Maximum anticipated BHP is 5500 psi at total depth.

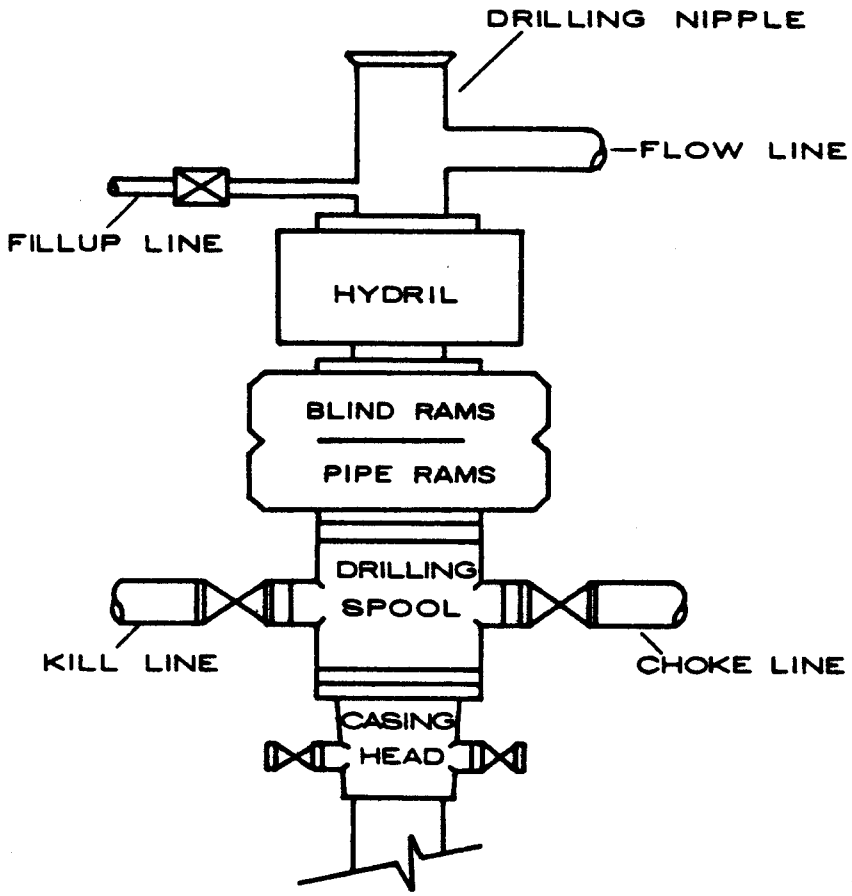
9. Anticipated Starting Date and Duration of Operations

Starting Date: October 15, 1985

Duration: 30 days

EXHIBIT "C"

BOP STACK



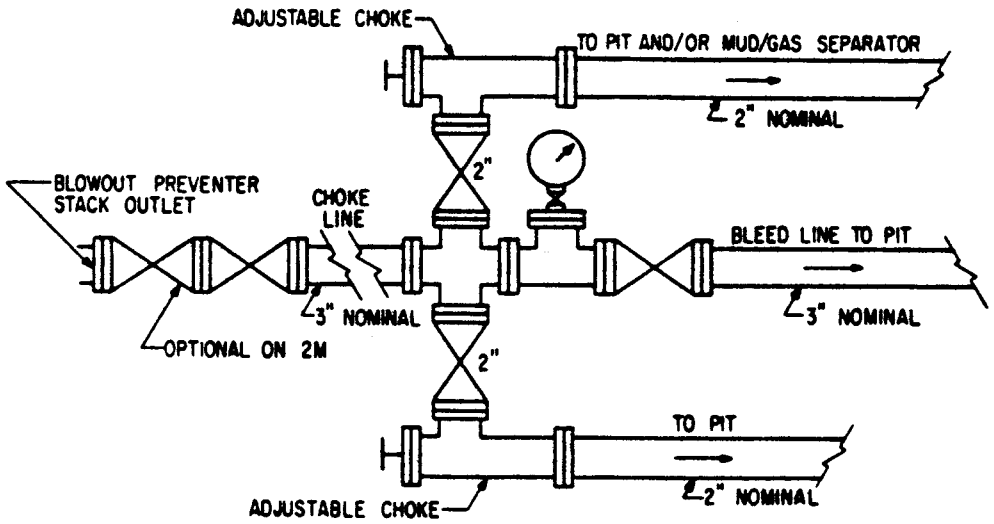


Exhibit "D"

Onshore Oil and Gas Order No. 1

Surface Use Plan

CNG Producing Company
River Bend Unit
RBU 12-12D
Section 12-T10S-R18E
2069' FNL & 1118' FWL
Uintah County, Utah

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

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

1. Existing Roads

A. The proposed wellsite and elevation is shown on the plat, Exhibit "A". The location and existing roads are shown on Exhibit "E". There is no anticipated construction on any existing roads.

B. The proposed wellsite is located in the River Bend Unit, approximately 10 miles SW of Ouray, Utah.

2. Access Roads To Be Constructed

A. The construction of an access road approximately one-half mile long will be required as shown on Exhibit "E".

B. Construction and maintenance of roads, rehabilitation of disturbed areas and construction of pipeline routes will be in accordance with surface use standards as set forth in the booklet, "Surface Operating Standards for Oil and Gas Exploration and Development".

a. Width: Maximum of 30' right-of-way with road bed being 16'-18' and remainder of right-of-way to be used for barrow ditches.

b. Maximum Grade: 8%

c. Turnouts: None

d. Drainage: Drain ditches along either side of road where necessary for drainage. Material from barrow ditch used to build crown of road.

e. Culverts: None

f. Surface Material: Native dirt

g. Gates, cattle guards, fence cuts: None

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

3. Location of Existing Wells

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

Wells within a one mile radius are listed below:

A. Water wells: None
B. Abandoned wells: None
C. Temporarily abandoned wells: None
D. Disposal wells: None
E. Drilling wells: None
F. Producing wells: RBU 14-2D, RBU 2-11D, RBU 5-11D, RBU 6-11D, RBU 8-11D, RBU 10-11D
G. Shut-in wells: None
H. Injection wells: None
I. Observation wells: None

4. Location of Tank Batteries and Production Facilities

A. The location of existing and/or proposed facilities owned or controlled by the lessee/operator within a one mile radius are shown on Exhibit "E".

a. Tank batteries: At above producing wells
b. Production facilities: At above producing wells
c. Oil gathering lines: None
d. Gas gathering lines: RBU 5-11D
e. Injection lines: None
f. Disposal lines: None

B. It is contemplated that, in the event of production, all new facilities will be easily accommodated on the drill pad. The dimensions of the production facilities and their orientation is shown on Exhibit "F". Location of production facilities will be per Conditions of Approval for Notice to Drill.

C. Concrete and gravel as needed will be purchased from private sources.

D. Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and securely anchored at the meter. Oil and gas measurement facilities will be installed on the wellsite. Gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and quarterly thereafter. The Vernal BLM will be notified of the date and time of initial meter calibration and future meter proving schedules. Copies of meter calibration reports will be submitted to the Vernal BLM District office. All measurement facilities will conform with API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

E. All permanent structures constructed or installed, including pumpjacks, will be painted a flat, non-reflective, earthtone color to match the standard environmental colors as determined by the Rocky Mountain 5 State Interagency Committee. Facilities required to comply with O.S.H.A. will be excluded.

F. Pits will be fenced to minimize any hazard to sheep, cattle, antelope and other animals that graze the area. Flagging material will be used as needed if water or other fluid is produced.

G. All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.

5. Location and Type of Water Supply

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

6. Source of Construction Material

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

7. Methods of Handling Waste Disposal

A. Drill cuttings will be buried in the reserve pit when covered.

B. All drilling fluids will be handled in the reserve pit. Location as determined in Conditions of Approval for Notice to Drill.

C. Should air assist be used in drilling operations a blouie will be necessary. The pit will be located on location and in a manner that will not create an additional usrface disturbance.

D. Any fluids produced during testing will be collected in test tanks, water drained to the pit, and the oil saved.

E. Sewage will be handled by portable chemical toilets.

F. There will be no burning. Garbage and other waste material will be enclosed in a wire mesh container, and then disposed of in an approved waste disposal pit.

G. After the rig moves out, all materials will be cleaned up and no adverse materials will be left on location. Any dangerous pit will be fenced or covered.

8. Ancilliary Facilities

No additional facilities not described herein are anticipated.

9. Wellsite Layout

A. Exhibit "G" is the wellsite layout at a scale of 1"-40'.

B. The access to the well pad is shown on Exhibit "E".

C. Stock piling of top soil will be per BLM Conditions of Approval for Notice to Drill.

D. Reserve pits will be fenced with a wire mesh fence and topped with at least one strand of barbed wire.

10. Plans for Restoration of Surface

A. Upon completion of drilling, the location and surrounding area will be cleared of all debris, material, trash and junk not required for production. All trash will be hauled to a local sanitary landfill.

B. The operator or his contractor will contact the Vernal BLM, Bookcliffs Resource Area, 24 hours prior to starting rehabilitation work that involves earth moving equipment and upon completion of restoration measures.

C. Before any dirt work to restore the location takes place, the reserve pit will be completely dried and all trash (cans, barrels, pipe, etc.) will be removed. The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed within a reasonable time period.

D. All disturbed areas will be recontoured to the approximate natural contours.

E. Prior to reseeding, the operator will consult with the Vernal BLM for an approved seeding mixture. Then all disturbed areas, including access roads, will be scarified and left with a rough surface.

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

11. Surface and Mineral Ownership

Mineral Ownership
Bureau of Land Management
Vernal District Office
Bookcliffs Resource Area
170 South 500 East
Vernal, Utah 84078

Surface Ownership
Ute Indian Tribe
Fort Duchesne, Utah

12. Other Information

A. Archeological clearance has been submitted to the Vernal BLM. If any cultural resources are found during construction, all work will cease and the BLM notified.

B. There will be no deviation from this proposed drilling program without prior approval of the BLM.

13. Lessee's or Operator's Representative

J. D. Holliman
Manager of Production
Western Production Division
P. O. Box 2115
Tulsa, OK 74101
Phone: (918) 599-4001
or (918) 627-4739

or

Darwin Kulland
Dist Superintendent
Western Prod. Div.
P. O. Box 1360
Roosevelt, Utah 84066
(801) 722-4521
(801) 722-3892

14. Certification

I hereby certifiy that I, or the 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, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein 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.

6-25-85
Date

J. D. Holliman
J. D. Holliman
Manager of Production
Western Production Division

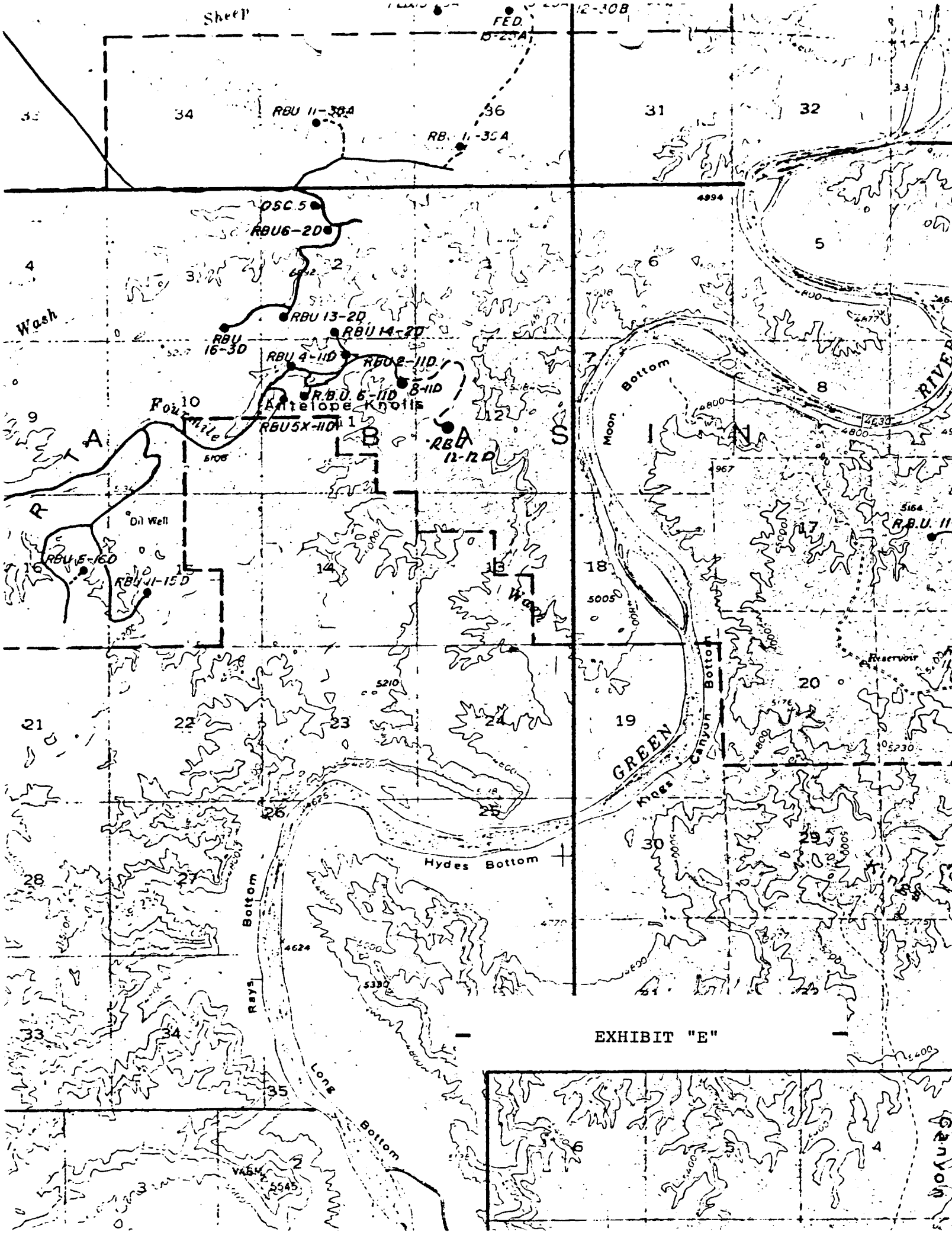
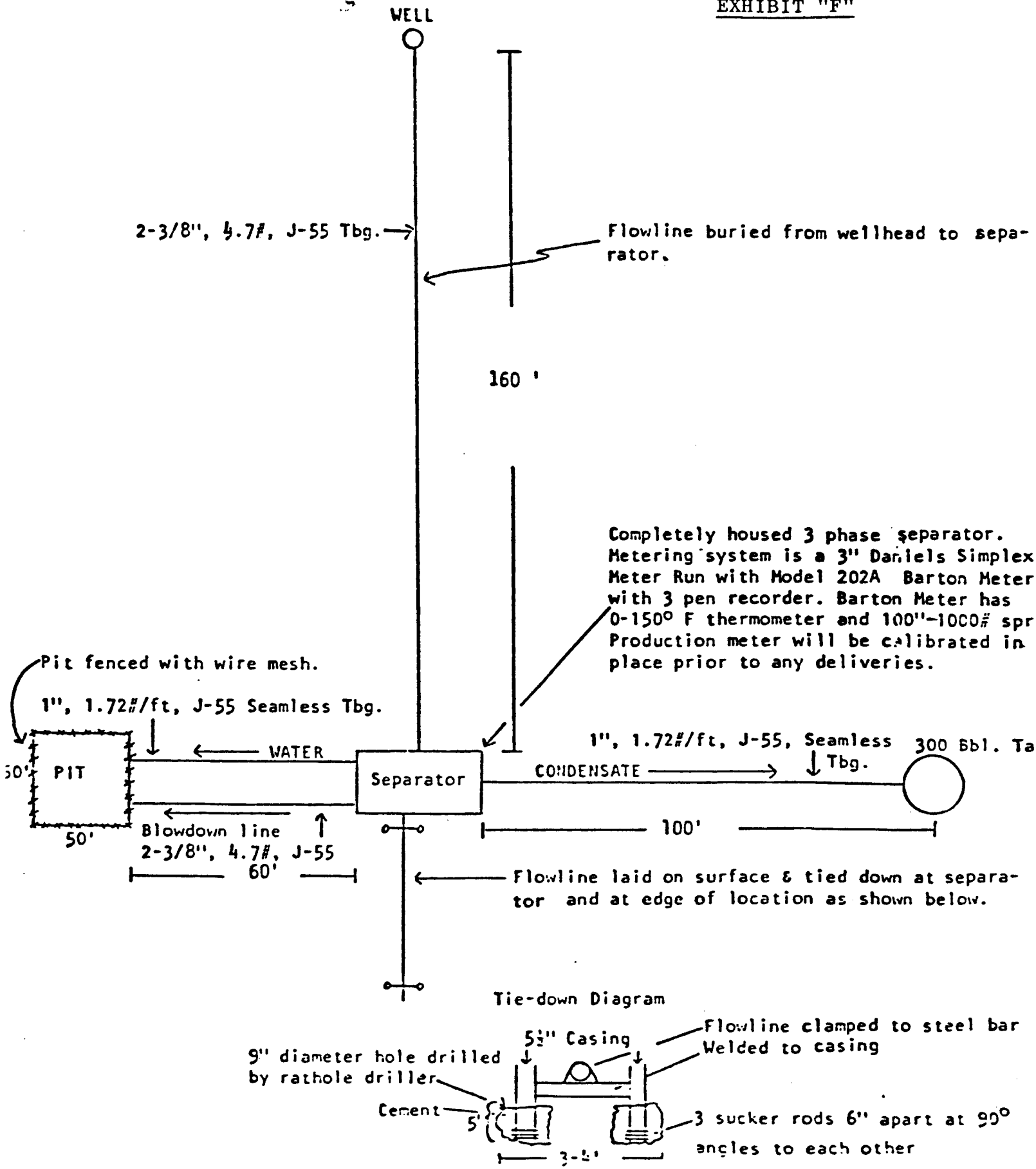

Sheep
FED. 8-23A
12-30B
34
RBU 11-36A
36
31
32
RBU 11-35A
OSC 5
RBU6-2D
4994
5
4
3
2
6
Wash
RBU 13-2D
RBU 14-2D
RBU 16-3D
RBU 4-11D
RBU 2-11D
R.B.U. 6-11D
8-11D
Antelope Knolls
7
8
Moon Bottom
RIVER
9
10
Four Mile
RBU5X-11D
11
12
RBU 12-12D
A
B
S
N
R
Oil Well
RBU 5-16D
RBU 11-15D
16
15
14
13
18
17
R.B.U. 11
Wash
5005
Reservoir
20
21
22
23
24
19
GREEN
Kings Canyon
Bottom
26
25
30
29
28
27
Hydes Bottom
Bottom
Rays
33
34
35
Long
Bottom
6
4
Canyon

EXHIBIT "E"

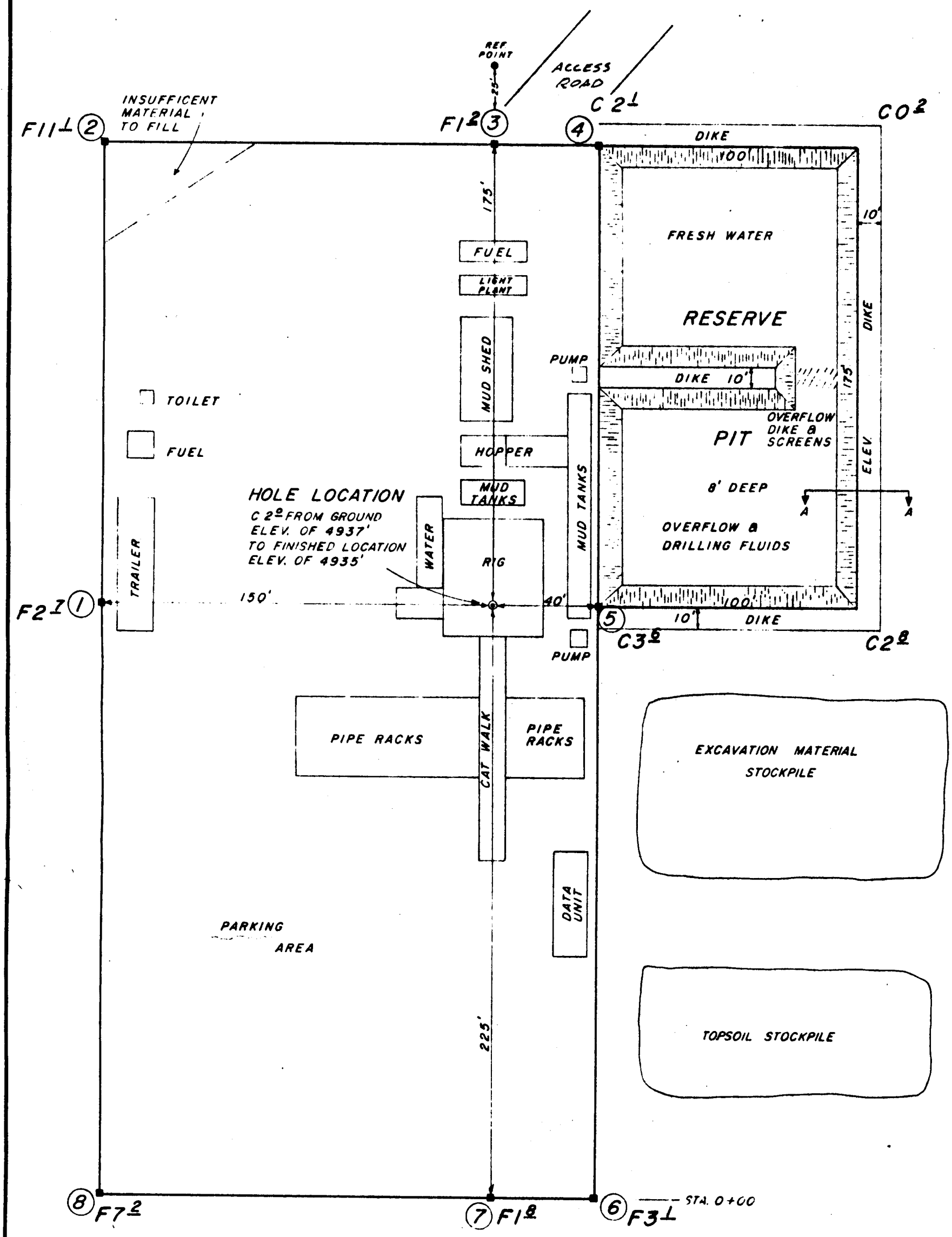
EXHIBIT "F"

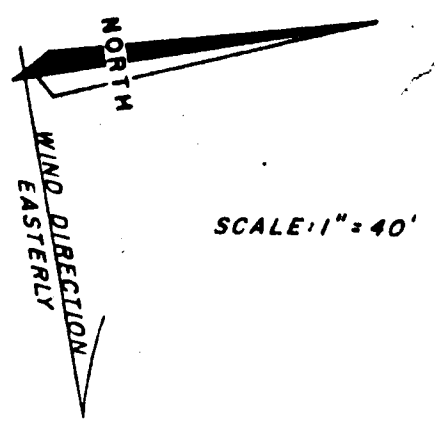

WELL
2-3/8", 4.7#, J-55 Tbg.
Flowline buried from wellhead to separator.
160 '
Completely housed 3 phase separator. Metering system is a 3" Daniels Simplex Meter Run with Model 202A Barton Meter with 3 pen recorder. Barton Meter has 0-150° F thermometer and 100"-1000# spr Production meter will be calibrated in place prior to any deliveries.
Pit fenced with wire mesh.
1", 1.72#/ft, J-55 Seamless Tbg.
WATER
PIT
50'
50'
Separator
1", 1.72#/ft, J-55, Seamless Tbg.
CONDENSATE
300 Bbl. Ta
100'
Blowdown line
2-3/8", 4.7#, J-55
60'
Flowline laid on surface & tied down at separator and at edge of location as shown below.
Tie-down Diagram
5½" Casing
Flowline clamped to steel bar Welded to casing
9" diameter hole drilled by rathole driller
Cement
5'
3 sucker rods 6" apart at 90° angles to each other

CNG PRODU

WELL LAYO

R.B.U. 12





Notes

THE LOCATION IS SITUATED ON A LOW HILL WITH GENERAL DRAINAGE SOUTHERLY TOWARD THE GREEN RIVER.

THE SOIL IS SHALE AND WEATHERED SANDSTONE.

UCING CO.

UT PLAT

-12D

LOCATED IN THE NW¼ OF THE SW¼ OF SECTION 12, T10S, R18E, S.L.B.&M.

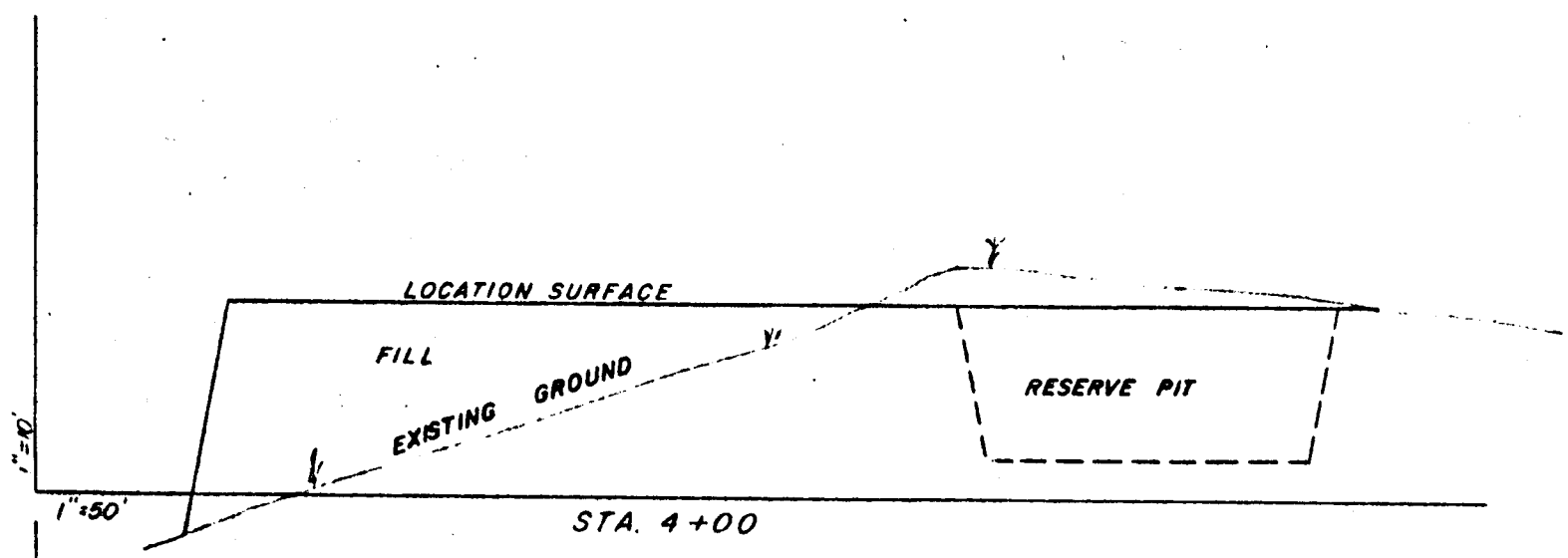
RECEIVED

JUN 27 1985

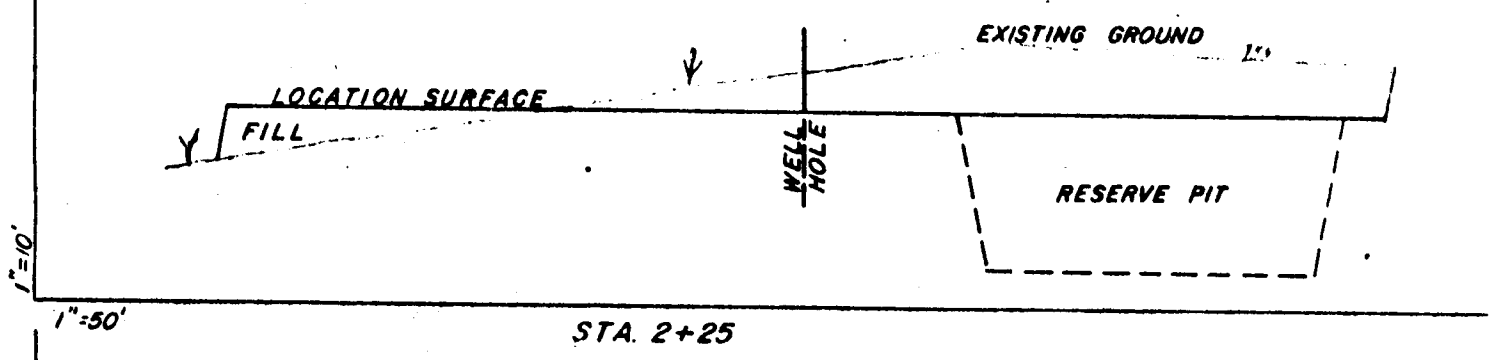
DIVISION OF OIL GAS & MINING

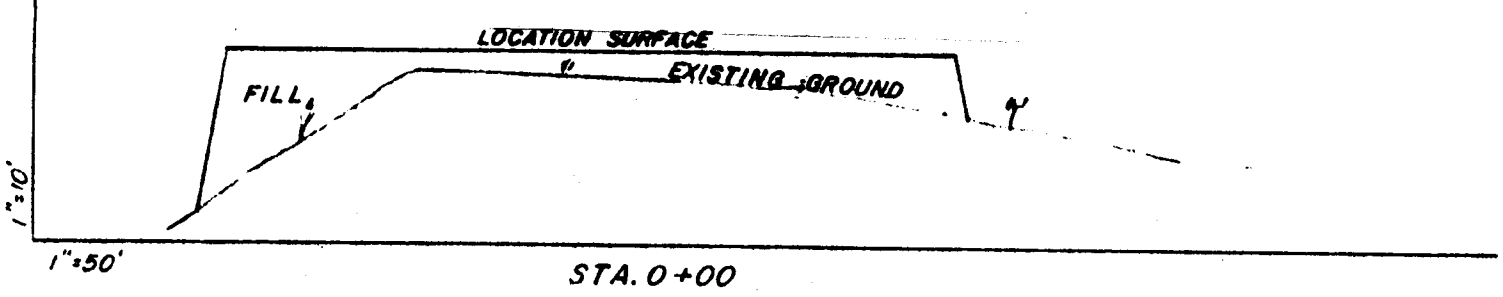
EXHIBIT "G"

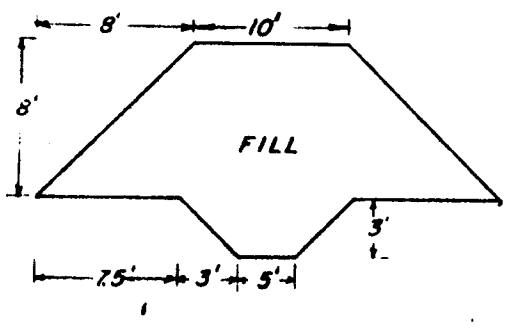
4+00



2+25







KEYWAY A——A

APPROXIMATE QUANTITIES

CUT: 7,500 Cu Yds.

FILL: 6,500 Cu Yds.

JERRY D. ALLRED & ASSOCIATES
Surveying & Engineering Consultants
121 North Center Street
P.O. Drawer C

OPERATOR CNG Producing Company DATE 6-27-85

WELL NAME RBU-12-12D

SEC ~~NE SW~~ NW SW 12 T 10S R 18E COUNTY Uintah

43-047-31651
API NUMBER

Federal
TYPE OF LEASE

CHECK OFF:

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

PROCESSING COMMENTS:

Unit Well - ok on P.O.D. by Bob Hendricks 7/2/85

Water ok - T 59750 (49-1283)

APPROVAL LETTER:

SPACING:
- [x] A-3 River Bend UNIT
- [ ] c-3-a _____ CAUSE NO. & DATE
- [ ] c-3-b
- [ ] c-3-c

STIPULATIONS:

11/2/84
25020

STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

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

July 3, 1985

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

Gentlemen:

Re: Well No. River Bend Unit 12-12D - NW SW Sec. 12, T. 10S, R. 18E
2069' FSL, 1118' FWL' - Uintah County, Utah

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

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

1. Spudding notification to the Division within 24 hours after drilling operations commence.

2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.

3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.

4. 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 43-047-31651.

Sincerely,

R. J. Firth
Associate Director, Oil & Gas

as
Enclosures
cc: Branch of Fluid Minerals

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

SUBMIT IN TRIPLICATE*
(Other instructions 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-013821-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME: River Bend

8. FARM OR LEASE NAME: RBU

9. WELL NO.: 12-12D

10. FIELD AND POOL, OR WILDCAT:

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec 12-T10S-R18E

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

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

2. NAME OF OPERATOR: CNG Producing Company

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

RECEIVED

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 2069' FSL & 1118' FWL ~~NE~~ NW SW
At proposed prod. zone: Same

JUL 08 1985

DIVISION OF OIL GAS & MINING

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): 1118'

16. NO. OF ACRES IN LEASE: 640.48

17. NO. OF ACRES ASSIGNED TO THIS WELL: 160

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

19. PROPOSED DEPTH: 11,600'

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 4937 GR

22. APPROX. DATE WORK WILL START*: October 15, 1985

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17"	13-3/8"	48#	± 250'	Calculated to surface
12-1/4"	8-5/8"	24#	± 3,500'	Calculated to surface
7-7/8"	5-1/2"	20#	±11,600'	Calculated to 3700'

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

Exhibits Attached
"A" Plat
"B" Drilling Plan
"C" Blow Out Preventor Equipment
"D" Surface Use Plan
"E" Access Roads
"F" Production Facilities
"G" Wellsite Layout

JUN 1985 Vernal, Utah

RECEIVED DEPT. OF INTERIOR BUR. OF LAND MANAGEMENT VERNAL, UTAH

JUN 27 1985

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

24.

SIGNED: Gregg C. Beckstead TITLE: Sr. Engineering Technician DATE: 6-21-85

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY: Donald A. Trujillo TITLE: Acting District Manager DATE: 7/3/85

CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

UT080-5M-181
BLM Div. O&M

*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.

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company CNG Producing Company Well No. RBU-12-12D

Location Sec. 12 T10S R18E Lease No. U-013821-A

Onsite Inspection Date 06-26-85

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

A. DRILLING PROGRAM

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

2. Pressure Control Equipment

BOP shall be minimum 3000 psi working pressure.

BOP and choke manifold systems will be consistent with API RP53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

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

3. Casing Program and Auxiliary Equipment

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

RECEIVED

JUL 08 1985

DIVISION OF OIL
GAS & MINING

4. Mud Program and Circulating Medium

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

5. Coring, Logging and Testing Program

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

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

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

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

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

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

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

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

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

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

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

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

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

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

B. THIRTEEN POINT SURFACE USE PLAN

1. Planned Access Roads:

Length: 500' new access road and 3/4 mile upgrading needed of existing 2-track road.

2. Location of Tank Batteries and Production Facilities

All permanent (on site for six months or longer) structures constructed or installed (including oil well pumpjacks) will be painted a flat, non-reflective, earthtone color to match the standard environmental colors, as determined by the Rocky Mountain 5 State Interagency Committee. 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.

If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1½ times the storage capacity of the battery.

Tank batteries will be submitted by Sundry Notice for production equipment.

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

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

Meter runs will be housed and/or fenced.

3. Methods of Handling Waste Disposal

The reserve pit will be lined: native clay, and straw underneath a plastic liner.

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

4. Well Site Layout

The reserve pit will be located on the northwest corner of the location between points 4 and 5.

The stockpiled topsoil will be stored on the northeast corner of the location windrowed near point 6.

Access to the well pad will be from the west between points 3 and 4.

Fencing will be on 3 sides during drilling operations and on the 4th side after the rig moves off the location.

5. Plans for Restoration of Surface

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

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

If seed mixture is broadcasted, it will be proportionately larger to total double the lbs per acre.

The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed within 6 months of well completion.

6. Other Information

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.

This permit will be valid for a period of one year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

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

Craig M. Hansen Assistant District Manager for Minerals	(801) 247-2318
Gerald E. Kenczka Petroleum Engineer	(801) 781-1190
R. Allen McKee Petroleum Engineer	(801) 781-1368

NAME	ACTION CODE(S)	INTL
NORM		
TAMI	5	
VICKY		
CLAUDIA		
STEPHANE		
CHARLES		
RULA	2 ? Only.	
MARY ALICE		MAP
CONNIE		
MILLIE		
PAM		

Required Action Code

1. Data Entry
2. Filming
3. Posting
   a. Card Index
   b. File Label
   c. Lists
4. Bonding Verification
5. Other (See Norm)

If in drilling - file
If completed & filmed, Rula 2

Form 3160-5
(November 1983)
(Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NO: U-013821-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1. OIL WELL [ ] GAS WELL [XX] OTHER

7. UNIT AGREEMENT NAME: River Bend

2. NAME OF OPERATOR: CNG PRODUCING COMPANY

8. FARM OR LEASE NAME: RBU

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

9. WELL NO.: 12-12D

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 2069' FSL & 1118' FWL

10. FIELD AND POOL, OR WILDCAT:

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 12-T10S-R18E

14. PERMIT NO.: 43-047-31651

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 4937 GR

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*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]
(Other)			

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
(Other) Operations Report			[XX]

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

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

OPERATIONS REPORT FOR THE MONTH OF JANUARY 1986.

No Activity

RECEIVED
FEB 20 1986
DIVISION OF
OIL, GAS & MINING

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

SIGNED Amy C. Beckstead TITLE Sr. Engr. Tech. DATE 2-18-86

(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.

Form 3160-5
(November 1983)
(Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR: CNG Producing Company

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 2069' FSL and 1118' FWL

5. LEASE DESIGNATION AND SERIAL NO.: U-013821-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME: River Bend

8. FARM OR LEASE NAME: RBU

9. WELL NO.: 12-12D

10. FIELD AND POOL, OR WILDCAT:

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 12-T10S-R18E

14. PERMIT NO.: 43-047-31651

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 4937 GR

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*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other) Operations Report			XX
(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.)*

Operations Report for the month of February 1986.
No Activity

RECEIVED
MAR 03 1986
DIVISION OF
OIL, GAS & MINING

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

SIGNED: Terry Bradstol TITLE: Sr. Engr. Technician DATE: 2-28-86

(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.

Form 3160-5
(November 1983)
(Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

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

5. LEASE DESIGNATION AND SERIAL NO: U-013821-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 plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL [ ] GAS WELL [X] OTHER

7. UNIT AGREEMENT NAME: River Bend

2. NAME OF OPERATOR: CNG Producing Company

8. FARM OR LEASE NAME: RBU

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

9. WELL NO.: 12-12D

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 2069' FSL & 1118' FWL

10. FIELD AND POOL, OR WILDCAT:

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 12-T10S-R18E

14. PERMIT NO.: 43-047-31651

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 4937 GR

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*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other) Operations Report			[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.)*

Operations Report for the month of March, 1986.

No activity.

RECEIVED
APR 03 1986
DIVISION OF
OIL, GAS & MINING

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

SIGNED Amy Beckstead TITLE Sr. Engr. Tech. DATE 4-1-86

(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.

Form 3160-5
(November 1983)
(Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR: CNG Producing Company

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 2069' FSL & 1118' FWL

14. PERMIT NO.: 43-047-31651

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 4937 GR

5. LEASE DESIGNATION AND SERIAL NO.: U-013821-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME: River Bend

8. FARM OR LEASE NAME: RBU

9. WELL NO.: 12-12D

10. FIELD AND POOL, OR WILDCAT:

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 12-T10S-R18E

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*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other) Operations Report			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.)*

Operations report for the month of April 1986.
MIRU rotary rig. Drill 12¼" hole to 3560'. Run 8-5/8" casing and cement to surface with 1665 sx. Currently drilling 7-7/8" hole at 8940'.

RECEIVED
MAY 07 1986
DIVISION OF
OIL, GAS & MINING

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

SIGNED [signature] TITLE Sr. Engr. Tech. DATE 5-5-86

(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.

DRESSER ATLAS LOG ANALYSIS CENTER
1505 ELM ST., 14TH FLOOR DALLAS, TEXAS 75201
6-12-86

STATE OF UTAH
DEPT. OF NATURAL RESOURCES
355 WEST NORTH TEMPLE
3 TRIAD CENTER SUITE 350
SALT LAKE CITY UTAH 84180-1203

RE: TRANSMITTAL OF DATA
LAC#2675
CHES II RESULTS

Dear Sir:

Enclosed please find the data as described below:

WELL NAME AND LOCATION	DATA
CNG PRODUCING COMPANG R.B.U. 12-12D RIVERBEND UNIT UINTAH UTAH	ONE (1) PRINT AND LISTER

Please acknowledge receipt of the information by signing and returning the attached copy of this letter.

Very truly yours,

JOHN C. FLEMING
Manager, Log Analysis Center
Dallas, Texas

RECIEVED BY_____DATE_____

DRLG 3

L. D. "Vern" HUNTER
Consulting Geologist

TELEPHONE
(406) 656-5197

2903 PARKHILL DRIVE
BILLINGS, MONTANA, 59102

RECEIVED
JUL 11 1986
DIVISION OF
OIL, GAS & MINING

July 9, 1986

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

Dear Sirs:

Enclosed is the final well report for the CNG, RBU No. 12-12D, NW SW Section 12, T 10 S, R 18 E, Uintah County, Utah.

Yours truly,

L. D. Hunter

RBU 12-12D

COMPLETION RE-CAP

Interval	Stimulation Treatment	Results
1) 10,360'-10,394' CIBP @ 10300'	Frac with Smith Energy. Pumped 36,848 gal CO_2 foam; 80,000 #20/40 sand and 16,000# Interprop; flush w/ 2928 gal 2% KCL. Avg treating pres = 5400 PSIG Avg rate = 16 BPM Blender sanded off, BOP leaking	68 MCFPD w/ water 80 PSIG on 12/64" (7-1-86)
2) 10,228'-10,236'	Frac with Smith Energy. Pumped 25,000 gal CO_2 foam; 16,000 #20/40 sand; sanded off when pressure increased to 7850 PSIG. Avg treating pres = 5100 PSIG Avg rate = 17 BPM	213 MCFPD w/ water 250 PSIG on 12/64" (7-17-86)
3) 10,164'-10,172'	Frac with Smith Energy. Pumped 22,250 gal CO_2 foam; 23,750 #20/40 sand; sanded off when pressure increased to 7500 PSIG. Avg treating pres = 5100 PSIG Avg rate = 16 BPM	233 MCFPD, 3 BCPD, 5 BWPD 400 PSIG on 24/64" (8-4-86)
4) 10,088'-10,100'	Performed pump-in test. Frac with Halliburton. Pumped 46,620 gal CO_2 foam, 63,000# 20/40 sand & 10,600# 20/40 ISP; sanded off 700 gal short of end of flush. Avg treating pres = 5500 PSIG Avg rate = 16 BPM	187 MCFPD, 1 BCPD 575 PSIG on 14/64" (8-20-86)
5) 8,594'-8,634'	Frac with Halliburton. Pumped 98,980 gal N_2 foam, 142,000# 20/40 sand & 5,696# 20/40 ISP; sanded off when pressure increased to 7,000 PSIG. Avg treating pres = 5000 PSIG Avg rate = 25 BPM	175 MCFPD, 450 PSIG on 10/64" (9-3-86)
6) 8,505'-8,519' & 8,526'-8,531	Performed pump-in test. Frac with Halliburton. Pumped 82,612 gal N_2 foam, 110,000# 20/40 sand; flush w/ 2,550 gal 3% KCL. Avg treating pres = 5800 PSIG Avg rate = 25 BPM	122 MCFPD, 1 BCPD 575 PSIG on 10/64" (9-18-86)

071513

L. D. "Vern" HUNTER
Consulting Geologist

TELEPHONE
(406) 656-5197

2903 PARKHILL DRIVE
BILLINGS, MONTANA, 59102

RECEIVED
JUL 11 1986
DIVISION OF
OIL, GAS & MINING

CNG PRODUCING COMPANY

RBU No. 12-12D

NW SW Section 12, T. 10 S., R. 18 E.

UINTAH COUNTY, UTAH

Prepared for: CNG PRODUCING COMPANY

By: L. D. 'Vern' Hunter
Consulting Geologist
Billings, Montana

L. D. Hunter

OPERATOR: CNG PRODUCING COMPANY

WELL: RBU No. 12-12D

LOCATION: NW¼ SW¼ Section 12, T. 10 S., R. 18 E.
2,069' FSL & 1,118' FWL
Uintah County, Utah

TOPOG REFERENCE: Nutters Hole

ELEVATIONS: 4,937' Grd., 4,963' K.B.

SPUD DATE: April 1, 1986 (6:00 am)

SURFACE CASING: 13-3/8" 48# H 40 set at 240.89'; cemented with 225 sx Class G with ¼#/sx celloflake; cement to surface (did not bump plug).

INTERMEDIATE CASING: 23 jts (1,025.41') 8-5/8" 28# S80 8rd STC; 13 jts (566.66') 8-5/8" 24# S80 8rd STC; 44 jts (1,968.65') 8-5/8" 24# K55 8rd STC: TOTAL - 3,560.72'. Shoe at 3,555.72'
Lead cement 1,475 sx BJ Lite 2% CaCl ¼#/sx celloflake; Flush w/ 223 bbl water. 1" w/ 40 sx 3% CaCl, cement to surface.
Plug down 2:30 pm, April 4, 1986.

HOLE SIZE: 17-1/2" from surface to 250'
12-1/4" from 250' to 3,560'
7-7/8" from 3,560' to TD

TD AND DATE: 10,864' driller (May 9; 10:20 pm) FORMATION AT TD: Castlegate
10,864' SLM; 10,857' Logger

TOTAL ROTATING TIME: 421.5 hrs. DRILLING COST TO TD: $613,815

CORES: None

LOST CIRCULATION: None of significance

FRACTURE ZONES: None detected

OIL ON PITS: Show #24 (4,695'-4,702')

WATER FLOWS: 2,985'

SAMPLES: 30' samples from 202' to 5,500'
10' samples from 5,500' to TD

DRILL STEM TESTS: Formation Multiple tests: 10,730, 10,614, 10,596, 10,390, 10,391, 10,364, 10,231, 10,169, 10,092, 9,818, 9,642, 9,598, 9,440, 9,270, 8,598, 8,508, 7,928, 6,242, 5,574, 4,710, 4,690. Refer Formation Multi-Tester Log for pressure data.

ELECTRIC LOGS: Dresser-Atlas Engineer: Ken Francis

Dual Laterolog/GR from 10,846-3,559 feet
Compensated Density/Neutron/GR from 10,855-3,559 feet
BHC/Acoustilog/GR from 10,846-3,559 feet
Frac Log from 10,700-8,350 feet
Diplog from TD-5,500 (gross interval)
Formation multiple test pressures (21 readings)

SAMPLE AND/OR PENETRATION RATE TOPS:

Formation		Depth	Datum
D Sandstone	Drilling with air/mist	2,916'	+2,047
G Sandstone		3,180'	+1,783
I Sandstone		3,492'	+1,471
Lower Green River oil sh		3,941'	+1,022
Wasatch Tongue		4,169'	+ 794
Green River Tongue		4,525'	+ 438
Wasatch		4,707'	+ 256
Chapita Wells		5,420'	- 457
Uteland Buttes		6,328' ?	-1,365
Mesaverde		7,865'	-2,902
Castlegate		10,718' ??	-5,755

LOG TOPS:

Formation	Depth	Datum
Green River	1,098'	+3,865
X-Marker	1,838'	+3,125
A Zone	2,402'	+2,561
A+	2,684'	+2,279
B Zone	-----	------
Purple Marker	2,787'	+2,176
C Zone	2,832'	+2,131
D Sandstone	2,928'	+2,035
E Zone	3,018'	+1,945
F Zone	3,156'	+1,807
G Zone	3,202'	+1,761
G+	-----	------
H Zone	3,352'	+1,611
I Zone	3,480'	+1,483
J Zone	3,538'	+1,425
K_u Zone	3,706'	+1,257
Lower Green River Oil Shale	3,948'	+1,015
Wasatch Tongue	4,168'	+ 795
2	4,222'	+ 741
3	4,270'	+ 693
Green River Tongue	4,556'	+ 407
Wasatch	4,724'	+ 239
Chapita Wells	5,420'	- 457
Uteland Buttes	6,500' ?	-1,537
Mesaverde	7,866'	-2,903
Lower Mesaverde-1st coal	9,248'	-4,285
Castlegate	10,804' ??	-5,841
Mancos	Not penetrated	
TD	10,864'	-5,901

MUD LOGGING UNIT: Brown Logging
Unit #104
Radio 722-4501-5792 (ans. serv.)

Loggers: Les Brown
Carl Anderton

CONTRACTOR: Montgomery #46
P. O. Box 1034
Vernal, UT 84078

Pusher: Bill Hines
Phil Boyles (relief)
Dick Pollard (relief)

MUD: Crown Mud & Chemicals
Box 1004
Vernal, UT 84078

Engineer: Jack Durbin
801-789-5137

WELL-SITE DRILLING SUPERVISOR: Dennis Ivie -- Ken McCord (relief)
CNG Unit #114 Mobile 646-4170

CNG PRODUCING COMPANY:	J. D. Holliman	918-599-4001	Office
	705 S. Elgin Ave.	918-627-4739	Home
	P. O. Box 2115	Terry Reeves	
	Tulsa, OK 74101-2115	918-599-3819	Office
		918-252-9201	Home

WELL-SITE GEOLOGIST: L. D. 'Vern' Hunter
2903 Parkhill Drive
Billings, MT 59102
406-656-5197

From 3,560' to TD

STATUS: To complete as a Mesaverde gas well.

Ran 275 jts 5-1/2" 20# N-80 8rd LT&C (10,859.55'). Shoe at 10,854.08'; float collar at 10,814.65'; D.V. collar at 7,184.48'. Cemented with B.J.; First Stage; 10 bbls, 2% KCl, 15 bbls 20% CA, 5 bbls 2% KCl, 10 bbls floguard, 5 bbls 2% KCl, 10 bbls mud sweep, 1,484 sx 50/50 poz, 10% salt, 5% CD31, 1% R-5, displaced w/ 240 bbls 2% KCl water. Second Stage; 10 bbls mud sweep with 1,320 sx 50/50 poz, 2% gel, 10% salt, 5% CD31, 1% R-5, displaced w/ 159 bbls 2% KCl water. Plug down at 6:30 am, May 14, 1986.

RIG RELEASED: May 14, 1986 (3:00 pm)

GEOLOGICAL COMMENTS: Oil shows were encountered in the Green River formation as follows: (NOTE: all mud logger depths need to be corrected uphole about 10 feet to match the electric log.) Show #9 3,036-3,048' (E sandstone) 100 unit gas increase; poor oil show in samples. Show #10 3,058-3,063' (E sandstone) 0 unit gas increase; very poor sample show. Show #13 3,180-3,192' (F sandstone) 60 unit gas increase; fair oil show in samples. Show #14 3,491-3,521' (I sandstone) 0 unit gas increase; poor sample show. There do not appear to be any significant Green River oil zones behind intermediate casing.

The Green River Tongue Zone 9 yielded significant oil shows with abundant dark greenish-brown oil (approximately 100° pour point) noted in samples in addition to the blooie line while drilling with air/mist. This ostracodal dolomite zone is show #24 from 4,695-4,702' which recorded a 490 unit gas increase over background. Logs indicate gas effect in thin intervals at the top and the base of zone 9 totaling 4 feet. This show could be indicative of probable eastward extension to estabilshed production at Antelope Draw field.

Chapita Wells gross sandstone (in excess of 5-foot beds) totals 122' with gas effect noted on the FDC/CNL log of 24' (or 20%). Uteland Buttes gross sandstone (in excess of 5-foot beds) totals 117' with gas effect of 33' (or 28%). Extreme washout of much of the Wasatch section is attributed to air/mist drilling and subsequent lengthy fishing procedures (refer Fishing Summary).

GEOLOGICAL COMMENTS CONTINUED:

Mesaverde gross sandstone (over 5-foot beds) totals 953' with gas effects noted through 265' (or 28%). The better gas shows were encountered in the Lower Mesaverde from 10,090-10,620 feet (show numbers 78 through 92). These intervals appear to have good potential for gas production. Foamy mud was a problem while drilling some of the Lower Mesaverde which may have resulted in erroneous gas logger readings. Numerous coal beds are present in the Lower Mesaverde ranging from 1-5 feet in thickness.

This test was not drilled into the Mancos shale; hence, the top of the Castlegate sandstone is in question due to the limited correlation control and stratigraphic variations within Lower Mesaverde "markers." Gas readings from the sandstones near total depth were affected by gas after tripping for suspected hole(s) in the pipe.

SUMMARY OF FISHING:

1) On April 8, while tripping into air/mist-drilled hole with Bit No.3, the drill string became stuck at about 5,025' at 1:00 pm. This depth was about 475' off bottom and 318' below top of the Wasatch.

2) Back off at free point 4,958' (Wasatch)-- fish #1 from about 4,958-5,025' ±; still stuck.

3) Back off at free point 4,229' (Wasatch Tongue)--fish #2 from 4,229-4,958'.

4) Wash over fish #2 from 4,213-4,311'.

5) Screw into fish #2 and recovered same (=21 drill collars).

6) Wash/ream to top fish #1 at approximately 4,900'.

7) Wash over fish #1 from 4,900-4,990'.

8) Screw into fish #1 and recovered same (= 2 drill collars + Bit No. 3).

9) Trip in hole with Bit No. 4 -- became stuck at 5,250' ±; back off 95' ±.

10) Top of fish #3 approximately 5,153' (Wasatch)--screw into fish #3 and recovered same (= 3 drill collars + Bit No. 4).

11) Wash/ream to bottom with Bit No. 5; drilling re-commenced at 2:00 pm, April 19, 1986.

CHRONOLOGICAL HISTORY

DATE	PTD 7:00 a.m.	ACTIVITY	FOOTAGE
April 1, 1986	304'	LDDP & PUDC	102
2	1,573'	Run Survey	1,269
3	3,001'	Drilling	1,428
4	3,560'	RU csg crew	559
5	3,560'	Nipple up	0
6	3,560'	PUDP	0
7	4,380'	Drilling	820
8	5,500'	Circ for trip	1,120
9	5,500'	WO fsh tools	0
10	5,500'	GIH w/ fsh tools	0
11	5,500'	TIH w/ wash pipe	0
12	5,500'	TIH w/ bit	0
13	5,500'	Circ & build mud vol	0
14	5,500'	Circ/cond hole	0
15	5,500'	Break down fish'g tools	0
16	5,500'	Wash & ream	0
17	5,500'	TOOH for bit	0
18	5,500'	Wash to top of fish #3	0
19	5,500'	Washing to top of fish #3	0
20	5,664'	Drilling	164
21	6,027'	Drilling	363
22	6,480'	Drilling	453
23	6,885'	Drilling	405
24	7,224'	Tripping	339
25	7,660'	Drilling	436
26	7,865'	Drilling	205
27	8,336'	Drilling	471
28	8,660'	Drilling	324
29	8,707'	WO DC	47
30	8,940'	Trip for Bit 9	233

CHRONOLOGICAL HISTORY

DATE	PTD 7:00 a.m.	ACTIVITY	FOOTAGE
May 1, 1986	9,123'	Wash/Ream to Btm	183
2	9,434'	Change Rot. Table	311
3	9,491'	Drilling	57
4	9,868'	Drilling	377
5	10,097'	TIH w/ fsg tools	229
6	10,097'	Trip for HIP	0
7	10,297'	Drilling	200
8	10,567'	Drilling	270
9	10,771'	Trip for HIP	204
10	10,864'	Circ/cond hole for logs	93
11	10,864'	Logging w/ Dresser	0
12	10,864'	Logging w/ diplog	0
13	10,864'	Laying down drill pipe	0
14	10,864'	ND BOPS	0
15	10,864'	Rig down	0

DEVIATIONS

DATE	DEPTH	AMOUNT
April 2, 1986	300'	1/2°
	788'	1/2°
	1,282'	1-3/4°
	1,530'	1-3/4°
3	1,821'	2°
	1,975'	1-3/4°
	2,491'	1-3/4°
4	3,051'	1-1/2°
	3,514'	1-3/4°
8	4,516'	2°
25	7,236'	2°
May 1	8,900'	1°

MUD CHECKS

DATE	DEPTH	WT.	VIS.	TYPE	WL	Ph.	SOLIDS	CHLORIDES
April 1, 1986				Water				
2	1,835'	8.3	26	Air-Mist	-	10.0	-	450
3	3,200'	8.4	26	Air-Water	-	9.5	-	3,500
4	3,560'	8.4	26	Air-Mist	-	9.5	-	3,500
5	3,560'	8.4	26	Air-Mist	-	9.5	-	3,500
6	3,560'	8.4	26	Air-Mist	-	9.0	-	3,500
7	4,368'	8.4	26	Air-Mist	-	9.5	-	12,500
8	5,500'	8.4	26	Air-Mist	-	12.0	-	18,000
9	5,500'	8.7	26	Air-Mist	-	10.0	-	20,000
10	5,500'	8.6	26	KCl	-	10.0	-	21,000
11	5,500'	9.2+	40	Brine/Poly	-	10.0	-	56,000
12	5,500'	9.1	40	Brine/Poly	-	10.0	-	50,000
13	5,500'	9.4+	49	Brine/Poly	-	10.0	-	65,000
14	5,500'	9.4	42	Brine/Poly	-	10.0	-	55,000
15	5,500'	9.4+	44	Brine/Poly	-	10.0	-	60,000
16	5,500'	9.6	46	Brine/Poly	12.0	9.5	5.5	52,000
17	5,500'	9.4+	48	Brine/Poly	16.1	11.0	5.0	58,000
18	5,500'	9.4	45	Brine/Poly	15.8	10.0	3.0	54,000
19	5,500'	9.7	42	Brine/Poly	16.8	9.5	2.0	83,000
20	5,645'	9.8	40	Brine/Poly	28.0	9.0	3.0	87,000
21	6,000'	8.6	27	KCl/Wtr	-	12.0	0	46,000
22	6,423'	8.9	27	KCl/Wtr	-	12.0	-	54,000
23	6,854'	8.9	27	KCl/Wtr	-	12.0	Tr	40,000
24	7,224'	8.8+	27	KCl/Wtr	-	10.0	Tr	51,000
25	7,630'	8.8	27	KCl/Brine	-	10.5	Tr	43,000
26	7,865'	8.8	27	KCl/Brine	-	10.0	Tr	35,000
27	8,350'	8.8+	27	KCl/Brine	-	11.5	Tr	52,000
28	8,655'	8.8	27	KCl/Brine	-	10.0	Tr	52,000
29	8,707'	8.8	27	KCl/Brine	-	11.5	Tr	49,000
30	8,940'	8.8	27	KCl/Brine	-	11.0	Tr	49,000
May 1	9,123'	8.9	27	KCl/Brine	-	11.0	Tr	49,000
2	9,434'	8.8	26	KCl/Brine	-	10.0	Tr	43,000
3	9,477'	9.2	26	KCl/Brine	-	11.5	Tr	91,000
4	9,858'	9.2	26	KCl/Brine	-	12.0	Tr	93,000

MUD CHECKS

DATE	DEPTH	WT.	VIS.	TYPE	WL	Ph.	SOLIDS	CHLORIDES
May 5, 1986	10,082'	9.2	26	KCl/Brine	-	12.0	-	88,000
6	10,097'	9.5	29	KCl/Brn/Poly	12	9.5	Tr	112,000
7	10,121'	9.5	29	KCl/Poly	12	11.0	Tr	105,000
8	10,400'	9.5	28	KCl/Brine		9.0	1.5	105,000
9	10,771'	9.4	27	KCl/Brine	-	10.0	1.5	107,000
10	10,864'	9.8+	64	KCl/Br/Poly	6	10.0	5	125,000
11	10,864'	9.8+	64	KCl/Br/Poly	6	10.0	5	125,000
12	10,864'	9.8	61	KCl/Br/Poly	16.2	10.0	-	125,000

BIT RECORDS

NO.	SIZE	CO.	TYPE	OUT	FOOTAGE	HOURS	AVE.FT/HR
1	12-1/4	Sec	M84F	3,560'	3,258	58	56.2
2	7-7/8	RBI	C-45	5,500'	1,940	38	51.1
3	7-7/8	RBI	C-45	5,500'	0	Ream & wash -	
4	7-7/8	Sec	M44N	5,500'	0	Ream & wash -	
5	7-7/8	HTC	J44	7,224'	1,724	109	15.8
6	7-7/8	HTC	J44C	7,857'	633	27	23.4
7	7-7/8	HTC	J55	8,655'	798	37.5	21.3
8	7-7/8	RBI	C57	8,940'	285	23	12.4
9	7-7/8	HTC	J55R	9,123'	183	12	15.3
10	7-7/8	RBI	C45	9,434'	311	15.5	20.0
11	7-7/8	Sec	M84F	10,097'	663	44	15.0
12	7-7/8	RBI	C45	10,097'	0	Bit burned up--HIP	
13	7-7/8	RBI	C45	10,661'	564	45.5	12.4
14 - rr #3	7-7/8	RBI	C45	10,771'	110	5.5	20
15 - rr #8	7-7/8	RBI	C57	10,864'	93	6.5	14.3
rr #7	7-7/8	HTC	J55	10,864'	0	Trip in to cond. hole	

REPORT FOR SHOWS & DRILLING BREAKS

DATE	SHOW &/or BREAK #'s	DEPTH	DRLG. RATE BEFORE BREAK	DRLG. RATE FOR BREAK	DRLG. RATE AFTER BREAK	TOTAL GAS BEFORE-DURING-AFTER-BREAK	MUD LOGGER SAMPLE DESCRIPTION
4/2	1 (Tgr)	1184- 1196	.6	.4	.6	0- 15- 2	Oil sh
	-	1573	-	-	-	BG-2, Conn-10	
3	2	1882- 1892	.8	.6	.8	5- 40- 5	Ss
	3	1946- 1976	.8	.4	.8	5- 25- 5	Ss
	4	2220- 2240	.8	.4	.8	5- 35- 10	Ls
	5	2252- 2262	.8	.6	.8	10- 100- 20	Ls
	6	2308- 2316	.6	.4	.6	20- 80- 40	Oil sh/ls
	7	2630- 2680	.8	.6	.8	40- 200- 100	Ls/ss
	-	3001	-	-	-	BG-20, Conn-80	
4	8	2918- 2980	.8	.6	1	100- 250- 100	Ss (wtr flow)
	9	3036- 3048	1.5	.6	1	100- 200- 100	Ss, Show oil
	10	3058- 3063	1	.6	1	150- 150- 150	Ss, Show oil
	11	3098- 3120	1.5	.6	1	140- 140- 140	Ss/ls
	12	3144- 3150	1.5	.4	1.5	140- 140- 140	Ss
	13	3180- 3192	1.5	.6	1	140- 200- 140	Ss, Show oil
	14	3491- 3521	1.5	.4	1.5	60- 60- 60	Ss, Show oil
	-	3560	-	-	-	BG-60, Conn-200-500	
6	15	3680- 3738	.8	.6	.8	0- 10- 5	Ss
	16	3790- 3800	1	.8	1	5- 20- 5	Ss
	17	3866- 3890	1	.8	1	5- 5- 5	Ss
	18	3940- 3950	.8	.6	.8	5- 15- 10	Oil sh
	19	4152- 4170	1	.8	1	10- 10- 10	Oil sh
	20 (Twt)	4220- 4238	1	.6	1	10- 20- 10	Ss
	-	4380	-	-	-	BG-10, Conn-15-20	
7	21	4330- 4340	1	.8	1	10- 30- 10	Ss
	22	4438- 4446	1.5	.4	1.5	10- 10- 10	Ss/ls
	23 (Tgrt)	4526- 4578	1.5	.4	1	10- 10- 10	Oil sh/dol
	24	4695- 4702	2	.4	1	10- 500- 200	Dol/ls, Show oil
	-	5500	-	-	-	BG-150, Conn-800	
20	25 (Tcw)	5564- 5584	5.5	2	6	0- 0- 0	Ss
	-	5664	-	-	-	BG-0, Conn-0	
21	26	5698- 5720	5.5	3	5	0- 5- 0	Ss
	27	5750- 5770	5	2.5	5	0- 10- 0	Ss
	28	5782- 5792	4.5	2.5	4	0- 15- 5	Ss
	29	5802- 5806	4	1	3.5	5- 5- 5	Ss
	-	6027	-	-	-	BG-5, Conn-5	
22	30	6084- 6095	3	1.5	3	0- 0- 0	Ss
	31	6207- 6218	3.5	2.5	3.5	0- 0- 0	Ss
	32	6236- 6256	3.5	1	3.5	0-3000- 0	Ss
	NOTE:	between breaks 31 & 32 the gas sniffer intake was adjusted at the flow line					
	-	6480	-	-	-	BG-5, Conn-10	
23	33	6480- 6490	3	1.5	3	0- 20- 0	Ss
	-	6885	-	-	-	BG-5, Conn-20	

REPORT FOR SHOWS & DRILLING BREAKS

DATE	SHOW &/or BREAK #'s	DEPTH	DRLG. RATE BEFORE BREAK	DRLG. RATE FOR BREAK	DRLG. RATE AFTER BREAK	TOTAL GAS BEFORE-DURING-AFTER-BREAK	MUD LOGGER SAMPLE DESCRIPTION
4/24	34 (Tub)	6998- 7005	4	1.5	3.5	2-1100- 5	Ss
	35	7150- 7155	4	2.5	4	2- 2- 2	Ss
	-	7224	-	-	-	BG-2, Conn-10-50	
25	36	7376- 7386	3	1.5	3	0- 0- 0	Ss
	37	7480- 7490	3	2	3	0- 0- 0	Ss
	-	7660	-	-	-	BG-5, Conn-20,TG-200	
26	-	7865	-	-	-	BG-5, Conn-10-30, TG-200	
27	38 (Kmv)	7938- 7950	3	1	3	0- 60- 0	Ss
	39	8296- 8316	3	1.5	3	0- 30- 0	Ss
	-	8336	-	-	-	BG-3, Conn-20	
28	40	8405- 8424	3.5	1.5	4	5- 20- 5	Ss
	41	8518- 8536	4	.8	2.5	5-1300- 100	Ss
	42	8578- 8587	3	1.5	3.5	50- 250- 60	Ss
	43	8600- 8650	4.5	1.5	6	55- 600- 100	Ss
	-	8660	-	-	-	BG-50-80, Conn-50-100, TG-3500	
29	44	8695- 8704	6	1	6	60- 380- 60	Ss
	-	8707	-	-	-	BG-50, Conn-100	
30	45	8750- 8763	6	2	6	10- 20- 10	Ss
	46	8852- 8861	5	1	6	5- 120- 10	Ss
	47	8904- 8920	6	2.5	6	5- 5- 5	Ss
	-	8940	-	-	-	BG-5, Conn-20, TG-3700	
May 1	48	8976- 8980	7	2.5	5	0- 50- 10	Ss
	49	8991- 9003	5	1.5	4	0- 0- 0	Ss
	50	9026- 9042	4.5	2.5	4.5	0- 50- 10	Ss
	51	9093- 9104	4.5	1.5	4.5	10- 50- 10	Ss
	52	9116- 9122	3	1.5	3	No sample-trip for bit	
	-	9123	-	-	-	BG-10, Conn-60, TG-3600	
2	53	9130- 9150	3.5	2	3	20- 80- 50	Ss
	54	9154- 9190	5	1.5	5	50- 220- 60	Ss
	55	9211- 9225	3.5	1.5	3.5	60- 500- 200	Ss
	56	9255- 9257	3	2	3.5	150- 480- 200	Coal
	57	9272- 9282	3.5	.8	4	150-4000- 300	Ss
	58	9346- 9347	4	2	4	300-1300- 400	Coal
	59	9363- 9373	4.5	1	5	380-3150- 600	Ss
	60	9388- 9392	6.5	2.5	5	450- 700- 400	Ss
	61	9398- 9403	4.5	1.5	2.5	300-1500- 500	Ss
	62	9420- 9426	5.5	2	6	350- 550-trip	- (prob. Ss)
	-	9434	-	-	-	BG-300-400, Conn-500-600, TG-3100	
3	63	9440- 9452	6	2.5	6.5	400- 800- 400	Ss
	64	9480- 9490	5	2	4.5	100- 100- 100	Ss
	-	9491	-	-	-	BG-200, Conn-600, TG-4000	

REPORT FOR SHOWS & DRILLING BREAKS

DATE	SHOW &/or BREAK #'s	DEPTH	DRLG. RATE BEFORE BREAK	DRLG. RATE FOR BREAK	DRLG. RATE AFTER BREAK	TOTAL GAS BEFORE-DURING-AFTER-BREAK	MUD LOGGER SAMPLE DESCRIPTION
May 4	65	9538- 9545	4.5	2	4.5	160- 600- 160	Ss
	66	9576- 9579	7	4	6	160- 200- 160	Ss (coal?)
	67	9584- 9588	6	2	6	160- 400- 160	Ss
	68	9594- 9615	7	2	7	160- 800- 160	Ss
	69	9655- 9672	6	2	8	160- 300- 160	Ss
	70	9698- 9700	6	2	6	160- 600- 160	Ss (coal?)
	71	9734- 9768	7	2	7	160- 400- 200	Ss
	72	9808- 9830	2.5	1.5	2.5	200-3000- 400	Ss
	-	9868	-	-	-	BG-200, Conn-600	
5	73	9926- 9934	8	3.5	7	100- 360- 100	Ss
	74	9948- 9955	6	2	6	100- 500- 100	Ss
	75	9968- 9975	4	1.5	3	100- 600- 100	Ss
	76	9996-10000	4	2	3.5	100- 200- 100	Coal
	77	10020-10030	4	2	5	100- 200- 100	Ss
	-	10,097	-	-	-	BG-150-200, Conn-200-300	
6	-	10,097	-	-	-	BG-100, Conn-200, TG-1100	
7	78	10099-10109	3	2	6.5	200-2250- 300	Ss
	79	10120-10134	6	3	4.5	200- 700- 200	Ss
	80	10170-10182	4.5	2	5	200-4700-2400	Ss
	81	10234-10250	6	2	6	2200-4000-2400	Ss
	-	10,297	-	-	-	BG-2000-2800, Conn-4200, TG-4500	
8	82	10310-10320	6	4	6.5	2400-3000-2400	Ss
	83	10344-10347	6.5	3	7	2400-2400-2400	Ss (coal?)
	84	10372-10386	6.5	1.5	6	2400-4200-3200	Ss
	85	10398-10406	6	2	6	3200-4600-3200	Ss
	86	10412-10420	6	2.5	8	3600-4000-2600	Ss
	87	10450-10468	5.5	3	5.5	2600-3000-2800	Ss
	88	10490-10502	6	2	6	2800-3100-2600	Ss
	89	10542-10554	5.5	1.5	5	2400-3200-2500	Ss
	-	10,567	-	-	-	BG-2400, Conn-3600	
9	90	10570-10580	5	1.5	5	2250-3000-2000	Ss
	91	10603-10610	4.5	2	5	1500-2000-1400	Ss
	92	10618-10628	6	1.5	5	1400-3000-1400	Ss
	93	10717-10726	3.5	1.5	3.5	1600-2000-1600	Ss
	94	10734-10762	3.5	1	5	1600---Trip HIP	
	-	10,771	-	-	-	BG-1600, Conn-2000, TG-5000	
10	95	10777-10794	4.5	1.5	4.5	1000-1300-1000	Ss
	96	10798-10822	4.5	2	5.5	1000-2200-1600	Ss
	97	10832-10837	4	2.5	4	1000-2000-1400	Ss
	-	10,864	-	-	-	BG-1400, Conn-2200, TG-5500	

NOTE: Breaks need to move uphole 10'+ to match electric logs.

SAMPLE DESCRIPTIONS

BREAK #	DEPTH	LITHOLOGY
1	1,184- 1,196	Sh, med brn, dol'c, firm, pyr'c in pt, abd clear to tan calcite, dull brnz SF, pale blu-yell milky cut and CF
2	1,882- 1,892	Sh, med gry, dol'c, firm, pyr'c in pt and Ss, white, lt gry, vf, firm, clean to c.f., calc, ti, NS
3	1,946- 1,976	Ss/sh aa, NS
4	2,220- 2,240	Ls, crm, tan, lith, chalky, firm, ti, gold SF (mineral), no cut or CF
5	2,252- 2,262	Ls aa
6	2,308- 2,316	Sh, med gry, dol'c, firm and Ls, crm, tan, lith, chalky to xf, gold SF (mineral), no cut or CF; tr sh, med brn, dol'c, firm, dull gold SF, tr bluish milky cut and CF
7	2,630- 2,680	Ls aa w/ tr ost's; sh, med gry, dol'c, firm; tr ss, wht, vf, calc, ti, NS
	SAMPLE TOP:	D sandstone 2,916'
8	2,918- 2,980	Ss, wht, xf-vf, calc, ti, NS, c.f. in pt
9	3,036- 3,048	Ss, aa w/ tr por, abd free fltg ost's, tr spkld tan OS, no SF, no cut or CF
10	3,058- 3,063	Ss, wht, xf-vf, s ang, calc, ti NS
11	3,098- 3,120	Ss, wht, f, ang to sa, tr blk mins, firm, calc in pt, ti w/ many grn to grn contacts, NS; w/ ls, med gry, tan, lith, ti to xf xtln, NS; w/ abd tan to dk gry oolites, tr ost's
12	3,144- 3,150	Ss/ls aa NS w/ sh, med gry, dol'c, firm
	SAMPLE TOP:	G sandstone 3,180'
13	3,180- 3,192	Ss, wht, tan, xf-vf, calc, ti, lt to med brn OS, dull gold SF, gd immed strmg pale yell cut, blu-yell CF, v pale tan ring
	SAMPLE TOP:	I sandstone 3,492'
14	3,491- 3,521	Ss, wht, lt gry, vf, calc, ti to tr por, free drlg in pt, tr blk oil spks, pale yell SF, slow bluish cut & CF
15	3,680- 3,738	VPS: sh, med gry, dol'c, firm w/ tr ss, wht, lt gry, xf-vf, calc, ti, NS

SAMPLE DESCRIPTIONS

BREAK #	DEPTH	LITHOLOGY
16	3,790- 3,800	VPS: ss ?, unconsol
17	3,866- 3,890	VPS: aa, abd rnd'd cuttings; ls, dk gry, lith, ost'l
	SAMPLE TOP:	Lower Green River Oil Sh 3,941'
18	3,940- 3,950	Sh, med brn, dol'c, firm, dull gold SF, blu-yell milky cut & CF
19	4,152- 4,170	Sh aa
	SAMPLE TOP:	Wasatch Tongue 4,169'
20	4,220- 4,238	Sh, med gry-grn, maroon, ocher w/ tr ss, wht, vf, calc, c.f., ti, NS
21	4,330- 4,340	No sample
22	4,438- 4,446	Abd cave; Ss, lt gry, f, ang to sa, (tr med grns, blk, ang), calc, c.f., ti, NS; tr pk and grn grns
	SAMPLE TOP:	Green River Tongue 4,525'
23	4,526- 4,578	Sh, dk brn, dol'c to dol, dk brn, lith, ti, dull gold SF, blu-yell milky cut & CF
24	4,695- 4,702	Dol, dk brn, lith to xf xtln, ost'l, dull gold SF, yell cut & CF, abd dk grnish-brn oil (est 100° F pour pt) in spls while drlg w/ air mist
	SAMPLE TOP:	Wasatch 4,707'
	SAMPLE TOP:	Chapita Wells 5,420'
25	5,564- 5,584	Ss, wht, lt gry, vf, ang to sa, calc, c.f., ti, NS; abd f-m blk ang grns, tr pale grn, pk, brown grns; abd rd-brn to gry-grn sh frags, mostly well rnded cave
26	5,698- 5,720	Mostly cave; rd-brn, gry-grn calc firm sh; tr ss as above
NOTE:	much less cave, spls cleaning up and finely ground	
27	5,750- 5,770	As above
28	5,782- 5,792	Ss aa
29	5,802- 5,806	Ss, wht, vf-f, ang to sa, calc, mostly free drlg, tr pyr, NS; tr blk and pk grns

SAMPLE DESCRIPTIONS

BREAK #	DEPTH	LITHOLOGY
30	6,084- 6,095	Ss aa w/ abd sh, rd brn calc, firm, v finely ground
31	6,207- 6,218	Ss, wht, vf-f, ang-s ang, tr pk, blk grns, mostly free drlg, calc, c.f., NS; tr siltstn, gry-grn, calc and sh, rd-brn, gry-grn, calc, firm
32	6,236- 6,256	Ss, wht, lt gry, vf-f, ang to sa, calc, wht c.f., ti, NS; scattered ang blk grns
33	6,480- 6,490	Ss/sh as above
	SAMPLE TOP:	Uteland Buttes 6,528'
34	6,998- 7,005	Sh, rd-brn, gry-grn, calc, firm w/ tr ss, wht, vf-f, ang to sa, free drlg, NS
35	7,150- 7,155	Sh, rd-brn, calc, firm; ls, crm, lith, chlky, ti, NS; tr ss, lt gry, vf, calc, c.f., ti, some free fltg ang fine qtz grns
36	7,376- 7,386	Ss, wht, lt gry, vf-f, ang to sa, mostly free drlg, calc, clay-filled, NS
37	7,480- 7,490	Sh, rd-brn, calc, firm, tr ss as above
	SAMPLE TOP:	Mesaverde 7,865'
38	7,938- 7,950	Ss, wht, vf, s.a., calc, mostly free drlg, tr blk min; w/ sh, lt gry to gry-grn, calc, silty in pt
39	8,296- 8,316	Ss, wht, lt gry, vf, ang to sa, mostly free drlg, clusters are clay-filled, calc, ti; tr blk mins
40	8,405- 8,424	Ss as above w/ sh, lt gry-grn, rd-brn, sl calc to bent'c to silty
41	8,518- 8,536	Sh, lt gry to gry-grn, rd-brn, calc, silty in pt; tr ss as above
42	8,578- 8,587	Ss, wht, f, tr med, ang to sa, mostly free drlg, calc, wht clay-fill, ti; abd f to m blk min; tr mustard-yellow sh
43	8,600- 8,650	Ss as above
44	8,695- 8,704	Sh, gry-grn, calc, silty; tr ss, wht to lt gry, vf, ang to sa, calc, mostly free drlg; tr blk min & smoky qtz grns
45	8,750- 8,763	Sh, med gry to gry-grn, calc, tr must-yell, rd-brn; tr ss as above

SAMPLE DESCRIPTIONS

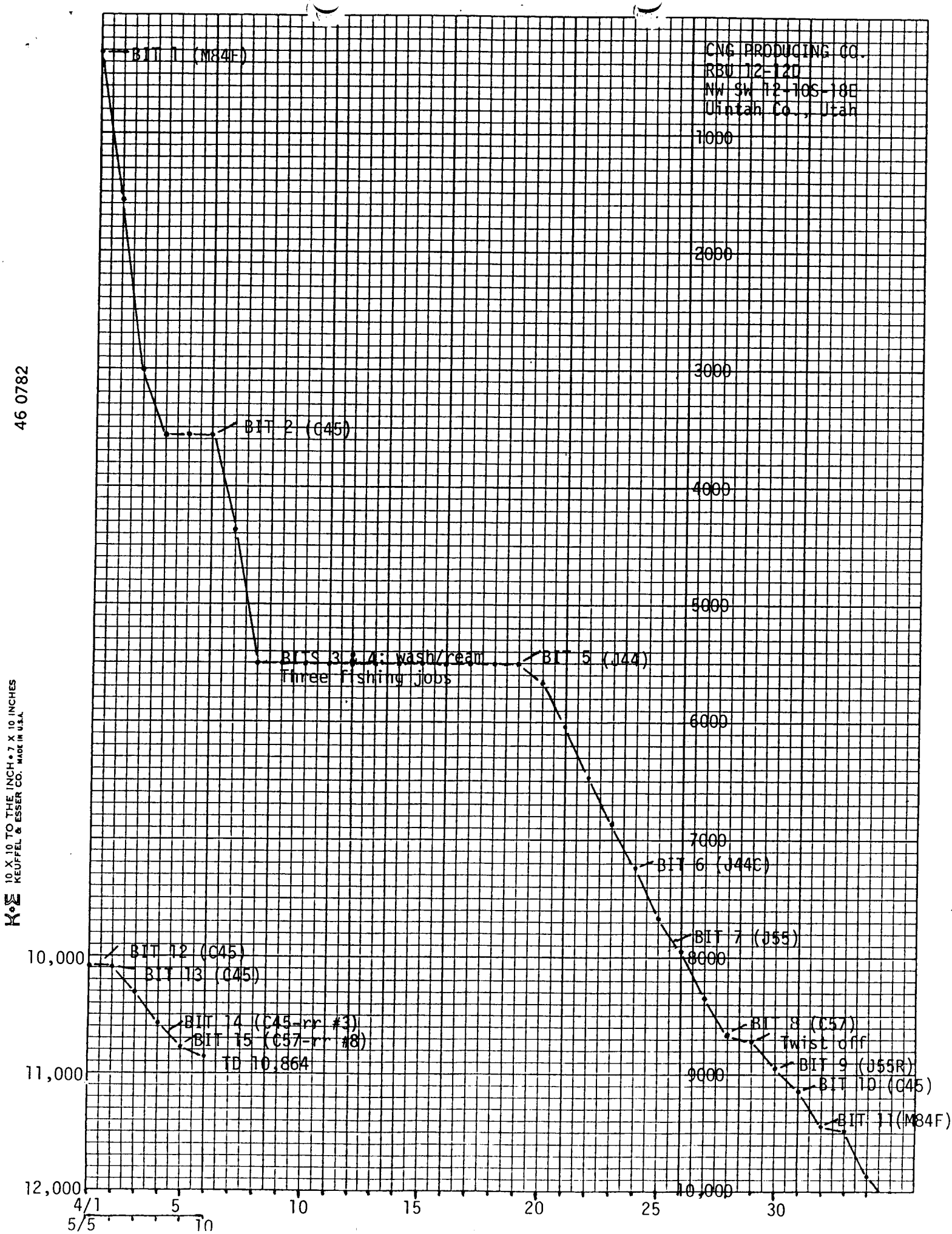
BREAK #	DEPTH	LITHOLOGY
46	8,852- 8,861	As above: ss is partly med gry, clay-filled, dirty, ti
47	8,904- 8,920	Ss, wht, lt gry, vf-f, ang to sa, calc, c.f., hd, ti; tr blk min; tr fltg med clr to smoky sa-sub rd qtz grns; w/ sh, med gry-grn, silty, calc; tr mustard-yell sh
48	8,976- 8,980	Sh aa w/ tr ss as above
49	8,991- 9,003	Ss, wht, lt gry, vf, ang-s.a., free drlg, sl calc; tr blk min
50	9,026- 9,042	Ss, wht, vf-f, s.a., c.f., calc, ti; w/ blk min; free drlg in pt, tr fltg qtz, clear, smoky, rose, med sub rd
51	9,093- 9,104	Ss/sh aa; tr wht bent, soft, flaky; w/ sh, gry-grn, calc, silty to bent'c
52	9,116- 9,122	No sample. Bit #9 locked up; trip for Bit #10
53	9,130- 9,150	Ss, wht, vf, ang-s.a., mostly free drlg, calc, wht c.f.; tr blk min; sh, gry-grn, calc
54	9,154- 9,190	Ss aa; sh aa /w tr must-yell, rd-brn, calc to bent'c
55	9,211- 9,225	Ss/sh as above
56	9,255- 9,257	Coal, blk; brittle, vitreous -- <u>1st appearance</u>
57	9,272- 9,282	Ss, wht, vf-f, ang to sa, free drlg, calc; tr blk min; w/ sh, gry-grn, med gry, rd-brn, ochre, sl calc to soft, bent'c
58	9,346- 9,347	Coal as above
59	9,363- 9,373	Sh, med-gry, gry-grn, brn, soft, bent'c to silty, sl calc in pt; tr ss aa; tr crm foss shell frags
60	9,388- 9,392	Ss/sh aa
61	9,398- 9,403	Ss/sh aa
62	9,420- 9,426	As above
63	9,440- 9,452	Ss, wht, f, s.a., free drlg, c.f., calc; tr med sub rd qtz grns; tr blk min; w/ sh aa
64	9,480- 9,490	Ss/sh aa
65	9,538- 9,545	Pred sh, med gry, gry-grn, rd-brn, ochre, sl calc, firm to bent'c; tr ss aa; tr floating qtz grns, clear rose, med, s.a.

SAMPLE DESCRIPTIONS

BREAK #	DEPTH	LITHOLOGY
66	9,576- 9,579	Ss/sh aa; tr coal over shkr
67	9,584- 9,588	Ss/sh aa
68	9,594- 9,615	Ss, wht, lt gry, vf-f, tr m, s.a., free drlg, clusters are clay filled, sl calc, ti; tr blk min; tr coal; one frag crm foss shell frag
69	9,655- 9,672	Ss, wht, vf-f, ang to sa, free drlg, calc, wht c.f., tr coal; w/ sh, med gry, calc in pt
70	9,698- 9,700	Ss/sh aa; this small brk is probably coal
71	9,734- 9,768	Ss, wht, lt gry, vf, ang-s.a., free drlg, calc, tr blk min; w/ sh, med gry, gry-grn, med brn, rd-brn, ocher, sl calc in pt
72	9,808- 9,830	Ss, wht, vf-f, ang to s.a., tr frosted med grns, free drlg, calc in pt; rare clusters are ti, wht clay filled; tr blk min
73	9,926- 9,934	Ss, wht, vf-f, ang-s.a., wht c.f., sl calc, ti; tr blk min; tr coal; w/ sh, med gry, gry-grn, rd-brn, ocher, lav, firm, sl calc in pt
74	9,948- 9,955	Ss/sh as above
75	9,968- 9,975	Ss, wht, vf-f, ang to s.a., free drlg, tr blk min
76	9,996-10,000	Coal, bl, vitreous, brittle
77	10,020-10,030	Ss as above
78	10,099-10,109	Ss, lt gry, tan, vf-f, ang to sa, sl calc in pt, c.f., ti, NS; tr blk min; occais fltg qtz grns, clear, rose, f-m, sa-sr; tr coal w/ sh med gry, gry-grn, firm, sl calc in pt and sh dk gry, blk, carb in pt
79	10,120-10,134	Ss as above; tr coal, soft to firm, vitreous; w/ sh as above
80	10,170-10,182	As above
81	10,234-10,250	Ss, wht, lt tan, vf-f, ang to sa, c.f., calc in pt, ti, NS; tr blk min; w/ tr sh, med gry to blk, carb, soft; tr coal, blk, vitreous, brittle
82	10,310-10,320	Ss as above; tr sh as above
83	10,344-10,347	As above; this thin break is probably coal

SAMPLE DESCRIPTIONS

BREAK #	DEPTH	LITHOLOGY
84	10,372-10,386	Ss/sh/coal as above
85	10,398-10,406	Ss, wht, tan, vf-f, ang to sa, c.f., calc in pt, ti, NS; abd sh, blk, carb; tr coal, blk, soft
86	10,412-10,420	Ss as above w/ sh, med gry, firm to blk, carb, soft; tr coal
87	10,450-10,468	As above; coal at 10,465-10,468
88	10,490-10,502	Ss, tan, vf-f, ang to s.a., sl calc in pt, c.f., ti, NS; w/ sh & coal as above
89	10,542-10,554	Ss, wht, lt tan, vf-f, sa, mostly free drlg, sl calc in pt, c.f., ti, NS; tr soft coal and sh, blk, carb, soft
90	10,570-10,580	As above; sh and coal sl more abundant
91	10,603-10,610	As above
92	10,618-10,628	Ss, pred wht, some lt tan, f, ang to sa, sl calc, hd, ti; w/ coal, soft to brittle & vitreous; tr sh, med brn, v soft, bent'c
	SAMPLE TOP:	Castlegate 10,718' ??
93	10,717-10,726	Ss, lt gry, lt tan, vf-f, ang to s.a., c.f., ti, sl calc in pt, NS; w/ coal and blk carb sh
94	10,734-10,762	No sample--trip for hole in pipe
95	10,777-10,794	Ss as above w/ tr blk min and rose qtz; w/ coal and sh as above
96	10,798-10,822	Ss as above w/ sh, med gry, gry-grn, rd-brn, firm, sl calc in pt (cave?); tr coal
97	10,832-10,837	Prd sh as above w/ tr ss as above



46 0782

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

BEST COPY AVAILABLE

CNG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. O/H
3620.0	38.9	3.5	0.05	0.00	100.0	100.0
3621.0	8.7	7.0	0.12	0.02	64.6	47.6
3622.0	4.9	7.4	0.19	0.04	78.3	43.9
3623.0	32.0	3.4	0.24	0.04	100.0	86.5
3645.0	46.1	5.0	0.35	0.04	100.0	100.0
3694.0	19.0	4.2	0.47	0.04	100.0	81.9
3695.0	6.1	6.7	0.54	0.04	100.0	28.9
3696.0	4.9	7.9	0.61	0.04	100.0	17.4
3697.0	6.6	8.1	0.69	0.04	100.0	18.1
3698.0	12.6	9.2	0.78	0.04	100.0	15.4
3699.0	20.2	10.0	0.88	0.04	100.0	14.7
3700.0	34.7	7.6	0.97	0.04	100.0	26.9
3707.0	41.1	5.4	1.04	0.04	100.0	38.9
3708.0	26.7	7.9	1.12	0.04	100.0	25.7
3709.0	31.5	8.4	1.20	0.04	100.0	28.0
3717.0	41.8	5.3	1.26	0.04	100.0	86.5
3718.0	26.4	10.9	1.35	0.04	100.0	55.4
3719.0	19.1	12.7	1.48	0.04	100.0	53.9
3720.0	17.8	12.7	1.61	0.04	100.0	55.2
3721.0	22.0	11.6	1.73	0.04	100.0	59.4
3722.0	26.7	11.1	1.84	0.04	100.0	61.7
3723.0	20.7	12.4	1.96	0.04	100.0	54.5
3724.0	13.2	13.5	2.09	0.04	100.0	52.2
3725.0	14.3	13.4	2.22	0.04	100.0	54.7
3726.0	16.7	12.3	2.35	0.04	100.0	58.7
3727.0	19.4	12.6	2.47	0.04	100.0	55.5
3728.0	17.3	13.0	2.60	0.04	100.0	53.3
3729.0	17.7	12.9	2.73	0.04	100.0	53.9
3730.0	18.4	12.6	2.86	0.04	100.0	55.8
3731.0	21.6	12.2	2.98	0.04	100.0	57.8
3732.0	27.5	10.1	3.09	0.04	100.0	67.7
3733.0	20.1	12.5	3.21	0.04	100.0	53.8
3734.0	22.0	11.6	3.33	0.04	100.0	60.3
3735.0	19.7	12.0	3.45	0.04	100.0	59.1
3736.0	21.1	12.3	3.57	0.04	100.0	54.5
3737.0	18.2	12.8	3.70	0.04	100.0	48.0
3738.0	12.8	13.6	3.83	0.04	100.0	44.0
3739.0	13.3	13.5	3.97	0.04	100.0	45.5
3740.0	25.1	11.5	4.09	0.04	100.0	54.2
3747.0	34.8	6.1	4.15	0.04	100.0	50.1
3748.0	30.5	6.1	4.21	0.04	99.8	44.6
3749.0	35.6	4.2	4.26	0.04	100.0	61.1
3754.0	46.0	1.6	4.28	0.04	100.0	100.0

DresserAtlas

CNG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. O/H
3762.0	44.9	0.3	4.30	0.04	100.0	100.0
3771.0	23.1	3.7	4.35	0.04	100.0	66.9
3790.0	23.5	11.6	4.52	0.04	100.0	36.8
3791.0	15.6	13.1	4.65	0.05	92.5	35.9
3792.0	12.9	13.4	4.78	0.05	89.0	39.3
3793.0	10.0	14.1	4.92	0.08	90.0	44.7
3794.0	7.6	14.5	5.07	0.08	97.6	49.9
3795.0	10.2	14.1	5.21	0.08	99.1	51.9
3796.0	13.1	13.6	5.35	0.09	100.0	50.0
3797.0	10.3	14.0	5.48	0.09	100.0	47.4
3798.0	15.1	13.3	5.62	0.09	100.0	50.3
3800.0	45.0	4.9	5.65	0.09	100.0	95.0
3801.0	23.1	11.9	5.77	0.09	97.4	42.4
3802.0	21.7	12.0	5.89	0.10	91.4	47.5
3803.0	21.7	11.8	6.01	0.10	96.6	49.1
3804.0	21.7	12.2	6.13	0.11	91.6	48.2
3805.0	21.6	11.9	6.25	0.12	90.9	50.8
3806.0	23.4	11.3	6.37	0.13	90.6	56.4
3807.0	26.0	10.1	6.47	0.15	87.6	64.8
3808.0	34.1	8.3	6.56	0.15	95.4	81.2
3809.0	30.0	10.1	6.65	0.15	97.0	65.7
3810.0	27.5	10.8	6.76	0.15	93.8	59.4
3611.0	25.4	11.4	6.88	0.18	84.4	55.5
3812.0	26.1	10.9	6.98	0.18	94.9	59.1
3813.0	29.6	9.5	7.09	0.19	100.0	69.1
3814.0	41.0	6.4	7.16	0.19	100.0	100.0
3875.0	30.6	6.3	7.32	0.19	100.0	49.1
3876.0	49.6	3.7	7.38	0.19	100.0	100.0
3931.0	48.8	4.0	7.54	0.19	100.0	100.0
3932.0	42.1	6.1	7.59	0.19	100.0	99.5
3933.0	32.7	9.3	7.68	0.19	100.0	62.0
3934.0	25.4	11.3	7.79	0.19	100.0	37.8
3935.0	9.7	14.0	7.92	0.19	100.0	16.1
3936.0	17.6	12.7	8.06	0.19	100.0	14.6
3949.0	36.8	7.9	8.14	0.19	97.4	61.0
3950.0	24.5	11.5	8.25	0.22	69.7	28.6
3951.0	22.7	8.8	8.35	0.23	87.5	28.4
3952.0	27.1	7.7	8.43	0.24	100.0	34.6
3953.0	34.0	8.0	8.50	0.24	100.0	35.2
3954.0	33.2	9.0	8.59	0.24	100.0	34.9
3955.0	22.0	12.1	8.71	0.24	100.0	24.2
3956.0	40.7	6.5	8.80	0.24	100.0	43.9

Desert Atlas

CNG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. O/H
3958.0	47.0	4.5	8.95	0.24	100.0	40.3
3959.0	45.5	5.0	9.00	0.24	100.0	44.3
3970.0	43.5	5.6	9.05	0.24	100.0	39.5
3971.0	38.5	7.2	9.12	0.24	100.0	29.4
3972.0	43.5	5.4	9.18	0.24	100.0	49.6
3973.0	43.1	5.1	9.23	0.24	100.0	64.6
3974.0	41.3	6.3	9.29	0.24	100.0	55.1
3975.0	44.6	5.2	9.34	0.24	100.0	64.6
3976.0	46.4	4.7	9.39	0.24	100.0	52.0
3977.0	47.4	4.4	9.44	0.24	100.0	55.4
3978.0	47.1	4.5	9.48	0.24	100.0	75.7
3979.0	43.8	5.5	9.53	0.24	100.0	93.1
3980.0	48.2	4.2	9.58	0.24	100.0	100.0
3986.0	48.3	4.1	9.71	0.24	100.0	100.0
3992.0	28.9	10.3	9.82	0.24	88.5	27.3
3993.0	12.5	13.3	9.95	0.25	100.0	21.1
3994.0	15.1	10.7	10.06	0.25	100.0	27.0
3995.0	47.1	4.1	10.12	0.25	100.0	83.5
3996.0	42.3	6.0	10.17	0.25	100.0	57.2
3997.0	37.5	7.6	10.24	0.25	100.0	41.1
3998.0	36.8	7.8	10.32	0.25	100.0	32.7
3999.0	41.9	6.1	10.39	0.25	100.0	42.1
4007.0	44.0	5.4	10.48	0.25	100.0	67.8
4008.0	29.0	10.3	10.57	0.25	100.0	25.7
4066.0	42.2	6.0	10.79	0.25	100.0	55.2
4101.0	49.0	3.0	10.91	0.25	100.0	100.0
4103.0	47.0	4.0	10.96	0.25	100.0	66.1
4104.0	40.4	5.5	11.01	0.25	100.0	44.0
4105.0	40.9	6.2	11.07	0.25	100.0	40.1
4106.0	40.3	6.4	11.13	0.25	100.0	44.3
4107.0	39.9	6.3	11.20	0.25	100.0	51.2
4121.0	32.1	9.4	11.30	0.25	100.0	46.0
4122.0	12.7	11.5	11.42	0.25	100.0	29.6
4123.0	8.1	11.9	11.54	0.25	100.0	17.9
4124.0	8.0	12.0	11.66	0.25	100.0	13.8
4125.0	10.2	11.4	11.77	0.25	100.0	14.4
4126.0	9.9	10.6	11.88	0.25	100.0	14.6
4127.0	9.8	9.5	11.98	0.25	100.0	16.1
4128.0	10.2	9.0	12.07	0.25	100.0	18.1
4129.0	11.8	10.3	12.17	0.25	100.0	16.9
4130.0	11.8	11.8	12.28	0.25	100.0	14.5
4131.0	18.9	10.7	12.39	0.25	100.0	14.5
4132.0	29.9	8.0	12.48	0.25	100.0	19.2

CNG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. O/H
4133.0	32.5	7.5	12.55	0.25	100.0	25.6
4134.0	26.4	8.3	12.64	0.25	100.0	27.9
4135.0	28.9	8.4	12.72	0.25	100.0	28.6
4136.0	46.1	4.7	12.78	0.25	100.0	52.1
4141.0	37.7	7.5	12.87	0.25	100.0	77.5
4142.0	31.9	9.5	12.96	0.25	100.0	47.0
4143.0	36.8	7.8	13.05	0.25	100.0	29.8
4144.0	45.9	4.8	13.10	0.25	100.0	32.0
4148.0	41.4	6.3	13.17	0.25	100.0	35.8
4149.0	29.1	8.1	13.26	0.25	100.0	27.3
4150.0	32.2	7.5	13.33	0.25	99.2	32.0
4151.0	36.5	6.9	13.40	0.25	100.0	46.3
4152.0	35.2	8.4	13.48	0.25	100.0	47.2
4153.0	36.3	8.0	13.56	0.25	100.0	55.8
4162.0	30.4	9.6	13.70	0.25	100.0	42.5
4163.0	16.3	11.0	13.81	0.25	97.7	33.4
4164.0	8.0	8.8	13.90	0.26	100.0	36.5
4165.0	2.7	9.3	13.99	0.26	100.0	30.7
4166.0	10.2	13.9	14.13	0.32	59.4	16.3
4167.0	42.3	6.0	14.21	0.32	100.0	38.5
4176.0	45.6	0.1	14.26	0.32	100.0	100.0
4181.0	43.6	1.7	14.28	0.32	100.0	100.0
4198.0	48.6	4.1	14.33	0.32	100.0	100.0
4199.0	24.9	11.5	14.42	0.32	100.0	53.0
4200.0	12.1	13.8	14.56	0.32	100.0	57.3
4201.0	12.8	13.7	14.69	0.32	100.0	59.9
4202.0	14.5	13.4	14.83	0.32	100.0	55.9
4203.0	14.6	13.4	14.96	0.32	100.0	51.0
4204.0	13.8	13.5	15.10	0.32	100.0	51.9
4205.0	19.9	12.6	15.23	0.32	100.0	58.8
4206.0	40.0	6.8	15.32	0.32	100.0	100.0
4218.0	31.5	7.4	15.37	0.32	100.0	50.8
4219.0	21.0	8.0	15.45	0.32	100.0	45.1
4220.0	31.1	7.6	15.53	0.33	88.0	33.3
4241.0	42.6	5.1	15.68	0.33	100.0	56.6
4242.0	34.9	4.4	15.73	0.33	96.9	65.6
4243.0	34.8	6.7	15.79	0.34	79.2	44.2
4263.0	44.7	1.5	15.82	0.34	100.0	100.0
4264.0	33.4	3.5	15.85	0.34	100.0	84.4
4265.0	42.9	2.7	15.89	0.34	97.5	100.0

DresserAtlas

CNG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. O/H
4325.0	36.3	6.1	16.04	0.35	87.2	89.3
4326.0	22.1	10.4	16.13	0.35	81.8	58.5
4327.0	11.7	12.2	16.25	0.38	92.4	50.5
4328.0	15.1	11.2	16.37	0.38	100.0	52.2
4329.0	14.6	10.8	16.48	0.38	100.0	51.3
4330.0	31.7	8.8	16.57	0.38	100.0	58.8
4346.0	21.3	10.6	16.68	0.39	85.3	34.6
4347.0	17.8	11.3	16.79	0.39	100.0	31.6
4355.0	49.2	1.2	16.86	0.39	100.0	100.0
4386.0	45.3	2.7	17.02	0.39	97.8	99.4
4387.0	38.4	0.1	17.02	0.39	100.0	100.0
4388.0	36.1	0.1	17.02	0.39	100.0	100.0
4389.0	42.3	1.4	17.03	0.39	100.0	100.0
4434.0	48.3	1.7	17.11	0.39	92.1	100.0
4435.0	33.6	1.2	17.13	0.40	78.9	100.0
4482.0	49.7	2.6	17.26	0.40	93.9	100.0
4483.0	48.2	4.2	17.29	0.40	93.7	100.0
4529.0	42.7	1.3	17.40	0.40	83.1	100.0
4530.0	47.6	2.9	17.42	0.40	91.1	100.0
4560.0	35.5	3.3	17.51	0.41	68.1	49.2
4561.0	23.4	7.4	17.57	0.45	38.8	10.3
4562.0	20.7	9.0	17.66	0.51	32.5	7.4
4563.0	28.5	7.5	17.74	0.55	51.4	11.1
4564.0	26.3	11.0	17.84	0.60	45.9	10.1
4565.0	31.4	9.6	17.94	0.65	58.5	29.7
4576.0	49.0	3.9	18.01	0.65	92.9	65.5
4577.0	33.1	7.5	18.08	0.68	62.4	23.9
4578.0	37.3	5.9	18.14	0.70	72.1	35.4
4579.0	37.0	5.1	18.19	0.71	71.5	38.5
4580.0	28.7	9.8	18.27	0.75	51.9	17.5
4581.0	34.5	8.6	18.37	0.79	65.8	34.4
4589.0	50.0	3.2	18.47	0.79	94.1	76.2
4590.0	35.2	6.8	18.53	0.81	67.5	24.4
4591.0	38.6	6.2	18.60	0.83	74.9	27.8
4592.0	39.1	5.7	18.65	0.84	76.0	30.6
4593.0	31.8	8.0	18.73	0.87	59.3	17.7
4594.0	34.8	8.5	18.82	0.90	66.5	22.8
4596.0	46.6	0.8	18.86	0.90	89.7	100.0
4597.0	14.8	6.5	18.91	0.94	19.9	18.2
4598.0	22.2	6.3	18.98	0.99	36.0	16.7

Dresser Atlas

CNG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. O/H
4599.0	27.8	5.8	19.03	1.02	49.5	17.8
4600.0	18.0	7.6	19.10	1.06	26.5	11.5
4601.0	16.4	10.0	19.20	1.14	23.0	7.5
4602.0	21.0	10.2	19.30	1.21	33.3	8.5
4603.0	27.4	10.1	19.40	1.27	48.6	23.7
4604.0	45.3	5.1	19.47	1.28	87.6	92.0
4607.0	40.7	4.8	19.57	1.29	79.2	66.8
4608.0	45.6	4.2	19.61	1.30	96.9	61.1
4617.0	40.7	3.5	19.66	1.30	79.3	49.8
4618.0	29.7	3.3	19.69	1.31	54.3	32.5
4619.0	33.6	7.4	19.75	1.34	63.8	14.6
4620.0	32.9	8.6	19.83	1.37	61.9	17.9
4621.0	47.1	3.8	19.89	1.38	90.4	84.5
4638.0	43.7	5.5	19.95	1.39	84.9	25.1
4639.0	36.4	7.9	20.02	1.41	70.1	10.7
4640.0	35.9	8.1	20.11	1.43	69.1	19.4
4651.0	46.7	3.9	20.24	1.44	89.8	55.0
4652.0	48.1	3.6	20.27	1.45	91.8	59.2
4653.0	47.9	4.2	20.31	1.45	91.5	53.0
4656.0	44.5	3.4	20.39	1.45	86.3	89.2
4657.0	21.7	8.2	20.46	1.49	34.9	23.3
4658.0	19.6	9.1	20.55	1.56	30.1	19.9
4659.0	28.8	8.1	20.63	1.61	52.2	26.9
4660.0	49.3	3.9	20.69	1.62	93.3	79.8
4668.0	36.3	8.0	20.77	1.63	70.0	22.0
4669.0	34.0	8.5	20.86	1.66	64.7	15.3
4670.0	37.2	7.2	20.93	1.68	72.0	23.7
4671.0	44.7	4.3	20.99	1.69	86.6	55.8
4672.0	43.5	5.6	21.03	1.70	84.6	44.1
4673.0	46.2	4.7	21.09	1.71	89.1	68.4
4685.0	45.8	2.7	21.13	1.71	88.4	66.4
4686.0	41.1	4.9	21.17	1.72	88.3	33.0
4687.0	42.7	4.6	21.22	1.72	95.5	41.7
4690.0	48.5	3.0	21.31	1.72	98.7	71.2
4691.0	42.4	4.4	21.35	1.72	94.1	40.6
4692.0	38.9	4.6	21.40	1.73	91.7	36.2
4693.0	46.7	3.1	21.44	1.73	99.7	71.4
4701.0	32.7	7.9	21.51	1.74	61.6	26.1
4702.0	26.3	10.6	21.62	1.80	45.8	15.7
4703.0	24.6	9.3	21.71	1.85	41.7	30.0
4704.0	21.2	10.6	21.82	1.92	33.6	34.0

Dresser Atlas

CNG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. O/H
4705.0	18.8	10.8	21.92	1.98	44.9	34.1
4706.0	14.9	11.8	22.04	2.05	34.0	34.6
4707.0	16.0	11.3	22.16	2.13	32.0	37.9
4708.0	19.8	8.5	22.25	2.13	53.3	37.3
4709.0	27.0	7.5	22.32	2.21	68.2	27.5
4710.0	25.9	7.8	22.40	2.23	68.6	44.4
4711.0	22.1	7.8	22.48	2.25	69.9	61.7
4712.0	28.8	6.5	22.55	2.27	79.0	35.2
4713.0	45.4	2.2	22.58	2.28	100.0	100.0
4714.0	48.7	2.6	22.61	2.28	98.0	100.0
4718.0	41.3	0.2	22.64	2.28	100.0	100.0
4719.0	25.7	2.4	22.65	2.28	100.0	95.9
4720.0	30.4	2.3	22.68	2.28	96.9	100.0
4721.0	37.5	0.6	22.69	2.28	100.0	100.0
4722.0	31.6	5.1	22.73	2.28	91.0	48.2
4723.0	45.1	0.9	22.75	2.28	100.0	100.0
4766.0	45.2	0.1	22.92	2.28	100.0	100.0
4767.0	32.5	3.6	22.95	2.28	100.0	64.5
4768.0	47.5	3.3	22.98	2.28	100.0	100.0
4792.0	36.7	3.9	23.13	2.28	100.0	67.5
4793.0	36.2	5.4	23.18	2.28	100.0	54.3
4795.0	46.8	3.1	23.23	2.28	100.0	100.0
4796.0	21.8	9.3	23.31	2.29	98.5	30.6
4797.0	14.8	9.1	23.41	2.29	100.0	32.9
4798.0	11.6	8.4	23.49	2.29	100.0	35.5
4799.0	9.8	9.6	23.58	2.29	100.0	28.2
4800.0	11.5	8.7	23.67	2.29	100.0	29.6
4801.0	29.7	5.6	23.74	2.29	100.0	56.5
4810.0	47.0	4.3	23.83	2.29	100.0	62.6
4819.0	45.1	0.1	23.88	2.29	100.0	100.0
4820.0	27.5	0.5	23.88	2.29	100.0	100.0
4821.0	13.3	1.9	23.90	2.29	100.0	100.0
4822.0	12.7	4.6	23.93	2.29	100.0	47.7
4823.0	31.3	4.9	23.99	2.29	100.0	59.2
4824.0	48.2	1.1	24.01	2.29	100.0	100.0
4830.0	44.9	0.6	24.03	2.29	100.0	100.0
4831.0	41.8	1.7	24.04	2.29	100.0	100.0
4832.0	47.1	4.5	24.08	2.29	100.0	59.4
4848.0	47.7	0.1	24.13	2.29	100.0	100.0
4849.0	40.9	0.4	24.13	2.29	100.0	100.0
4850.0	43.1	0.6	24.14	2.29	100.0	100.0

Uncover Atlas

CNG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. O/H
4853.0	46.6	0.1	24.14	2.29	100.0	100.0
4854.0	33.8	0.1	24.14	2.29	100.0	100.0
4855.0	23.5	1.4	24.15	2.29	100.0	100.0
4856.0	25.0	3.7	24.18	2.29	100.0	75.2
4857.0	47.5	2.8	24.21	2.29	100.0	100.0
4881.0	39.2	0.7	24.27	2.29	100.0	100.0
4882.0	40.1	3.8	24.30	2.29	100.0	100.0
4893.0	44.7	0.5	24.35	2.29	100.0	100.0
4894.0	47.2	0.5	24.35	2.29	100.0	100.0
4951.0	45.9	0.8	24.51	2.29	100.0	100.0
4952.0	21.4	3.4	24.54	2.29	100.0	100.0
4953.0	19.4	4.3	24.58	2.29	100.0	84.6
4954.0	16.9	5.0	24.63	2.29	100.0	73.2
4955.0	11.7	7.2	24.70	2.29	100.0	51.3
4956.0	11.7	7.7	24.77	2.29	100.0	48.8
4957.0	12.7	7.2	24.85	2.29	100.0	52.7
4958.0	12.5	7.4	24.92	2.29	100.0	52.1
4959.0	10.1	7.4	24.99	2.29	100.0	51.5
4970.0	9.9	7.9	25.07	2.29	100.0	47.9
4971.0	10.2	7.9	25.15	2.29	100.0	47.7
4972.0	10.7	7.4	25.23	2.29	100.0	51.7
4973.0	12.4	7.5	25.30	2.29	100.0	50.5
4974.0	11.4	8.1	25.38	2.29	100.0	45.7
4975.0	10.8	8.7	25.47	2.29	100.0	43.2
4976.0	11.1	8.6	25.55	2.29	100.0	45.0
4977.0	12.2	7.2	25.63	2.29	100.0	55.1
4978.0	15.6	6.9	25.70	2.29	100.0	54.8
4979.0	13.9	7.4	25.77	2.29	100.0	50.1
4980.0	12.9	7.6	25.85	2.29	100.0	49.3
4981.0	14.7	7.0	25.92	2.29	100.0	53.0
4982.0	9.6	7.4	25.99	2.29	100.0	50.4
4983.0	9.2	8.1	26.07	2.29	100.0	45.3
4984.0	17.4	7.5	26.15	2.29	100.0	49.1
4985.0	35.7	4.1	26.20	2.29	100.0	100.0
4986.0	43.9	2.7	26.23	2.29	100.0	100.0
4987.0	41.4	2.0	26.25	2.29	100.0	100.0
4988.0	41.3	2.1	26.27	2.29	100.0	100.0
4989.0	42.4	2.1	26.29	2.29	100.0	100.0
4990.0	43.9	2.2	26.31	2.29	100.0	100.0
4991.0	44.6	1.8	26.33	2.29	100.0	100.0
4992.0	46.4	0.7	26.34	2.29	100.0	100.0
4993.0	43.7	0.9	26.35	2.29	100.0	100.0
4994.0	40.2	1.5	26.36	2.29	100.0	100.0
4995.0	41.8	4.0	26.39	2.29	100.0	100.0
5000.0	47.8	1.4	26.43	2.29	100.0	100.0
5001.0	50.0	1.2	26.44	2.29	100.0	100.0

DeepAtlas

CNG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. O/H
5004.0	45.3	1.5	26.46	2.29	100.0	100.0
5005.0	44.8	1.2	26.47	2.29	100.0	100.0
5035.0	41.9	2.9	26.59	2.29	100.0	100.0
5036.0	38.8	3.1	26.62	2.29	100.0	96.1
5037.0	39.3	6.5	26.67	2.29	100.0	41.3
5043.0	42.8	3.1	26.75	2.29	100.0	99.4
5044.0	41.3	1.2	26.76	2.29	100.0	100.0
5045.0	36.7	2.5	26.78	2.29	100.0	100.0
5046.0	29.5	10.2	26.86	2.29	100.0	25.3
5047.0	45.4	4.3	26.93	2.29	100.0	95.1
5050.0	45.5	2.8	26.96	2.29	100.0	100.0
5051.0	41.0	4.9	27.00	2.29	100.0	62.6
5098.0	49.5	2.8	27.14	2.29	100.0	100.0
5099.0	38.7	6.2	27.19	2.29	100.0	48.0
5100.0	50.0	3.3	27.24	2.29	100.0	100.0
5103.0	49.4	0.9	27.27	2.29	100.0	100.0
5104.0	45.7	1.3	27.28	2.29	100.0	100.0
5105.0	43.7	1.6	27.29	2.29	100.0	100.0
5106.0	49.1	1.6	27.31	2.29	100.0	100.0
5126.0	47.2	1.8	27.45	2.29	100.0	100.0
5127.0	26.8	0.1	27.45	2.29	100.0	100.0
5128.0	16.2	0.1	27.45	2.29	100.0	100.0
5129.0	23.1	0.1	27.45	2.29	100.0	100.0
5130.0	29.9	0.1	27.51	2.29	100.0	100.0
5131.0	31.9	6.3	27.54	2.29	100.0	53.6
5132.0	30.4	7.3	27.61	2.29	100.0	37.5
5133.0	27.9	9.6	27.70	2.29	100.0	29.3
5134.0	37.3	7.1	27.78	2.29	100.0	47.0
5136.0	47.7	2.8	27.83	2.29	100.0	100.0
5137.0	43.3	5.5	27.88	2.29	100.0	56.1
5138.0	45.2	5.1	27.93	2.29	100.0	64.0
5163.0	43.4	1.4	28.07	2.29	100.0	100.0
5164.0	46.0	2.6	28.09	2.29	100.0	100.0
5168.0	45.6	2.1	28.15	2.29	100.0	100.0
5169.0	49.8	0.2	28.16	2.29	100.0	100.0
5171.0	38.7	1.5	28.17	2.29	100.0	100.0
5172.0	32.6	4.7	28.21	2.29	100.0	66.4
5173.0	36.1	8.0	28.29	2.29	100.0	38.7
5174.0	43.4	5.6	28.35	2.29	100.0	68.4

DresserAtlas

CNG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. D/H
5179.0	45.1	0.7	28.37	2.29	100.0	100.0
5180.0	34.7	2.4	28.40	2.29	100.0	100.0
5181.0	38.9	1.3	28.41	2.29	100.0	100.0
5182.0	41.0	0.8	28.42	2.29	100.0	100.0
5183.0	37.4	0.7	28.43	2.29	100.0	100.0
5184.0	28.0	5.4	28.46	2.29	100.0	56.2
5185.0	33.2	8.5	28.55	2.29	100.0	42.5
5190.0	45.7	2.4	28.61	2.29	100.0	100.0
5191.0	46.5	4.7	28.66	2.29	100.0	78.0
5197.0	48.1	1.3	28.70	2.29	100.0	100.0
5198.0	45.7	1.1	28.71	2.29	100.0	100.0
5200.0	49.5	0.4	28.72	2.29	100.0	100.0
5201.0	46.9	1.0	28.73	2.29	100.0	100.0
5202.0	47.3	0.9	28.74	2.29	100.0	100.0
5204.0	48.1	0.3	28.75	2.29	100.0	100.0
5205.0	39.5	3.8	28.78	2.29	100.0	90.7
5206.0	39.0	2.4	28.80	2.29	100.0	100.0
5207.0	43.9	0.1	28.80	2.29	100.0	100.0
5208.0	40.9	0.1	28.81	2.29	100.0	100.0
5209.0	26.0	6.3	28.85	2.29	100.0	44.4
5210.0	31.5	8.8	28.94	2.29	100.0	39.2
5221.0	48.2	3.5	29.04	2.29	100.0	99.7
5234.0	46.3	2.1	29.10	2.29	100.0	100.0
5235.0	49.7	2.3	29.12	2.29	100.0	100.0
5245.0	39.6	2.3	29.23	2.29	100.0	100.0
5246.0	38.1	2.5	29.26	2.29	100.0	100.0
5247.0	46.6	1.0	29.27	2.29	100.0	100.0
5248.0	42.6	2.7	29.29	2.29	100.0	100.0
5249.0	31.8	5.5	29.34	2.29	100.0	55.3
5250.0	36.6	3.8	29.39	2.29	100.0	90.9
5251.0	43.1	1.3	29.41	2.29	100.0	100.0
5252.0	37.6	2.5	29.42	2.29	100.0	100.0
5253.0	35.7	5.4	29.47	2.29	100.0	61.3
5254.0	43.6	2.2	29.50	2.29	100.0	100.0
5255.0	42.2	1.7	29.52	2.29	100.0	100.0
5256.0	46.3	0.9	29.53	2.29	100.0	100.0
5257.0	47.5	0.3	29.54	2.29	100.0	100.0
5258.0	45.3	0.6	29.54	2.29	100.0	100.0
5259.0	49.3	2.9	29.57	2.29	100.0	100.0
5299.0	48.4	2.0	29.75	2.29	100.0	100.0
5300.0	46.6	2.4	29.77	2.29	100.0	100.0

DresserAtlas

CNG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. O/H
5301.0	48.0	2.4	29.80	2.29	100.0	100.0
5302.0	49.6	2.2	29.82	2.29	100.0	100.0
5308.0	44.3	3.7	29.89	2.29	100.0	82.0
5309.0	33.5	7.6	29.96	2.29	100.0	40.9
5313.0	44.1	4.2	30.04	2.29	100.0	73.0
5348.0	33.7	1.0	30.18	2.29	100.0	100.0
5349.0	27.2	2.5	30.20	2.29	100.0	100.0
5350.0	32.8	3.9	30.24	2.29	100.0	79.7
5351.0	46.2	2.7	30.27	2.29	100.0	100.0
5355.0	47.1	1.0	30.31	2.29	100.0	100.0
5364.0	43.6	2.3	30.37	2.29	100.0	100.0
5365.0	41.6	2.5	30.39	2.29	100.0	100.0
5366.0	48.2	1.3	30.41	2.29	100.0	100.0
5388.0	48.3	1.2	30.46	2.29	100.0	100.0
5389.0	45.2	1.3	30.48	2.29	100.0	100.0
5390.0	45.3	0.5	30.48	2.29	100.0	100.0
5391.0	46.8	0.7	30.49	2.29	100.0	100.0
5398.0	46.2	0.6	30.52	2.29	100.0	100.0
5408.0	48.9	0.1	30.55	2.29	100.0	100.0
5409.0	39.7	1.1	30.56	2.29	100.0	100.0
5410.0	40.0	1.9	30.58	2.29	100.0	100.0
5413.0	39.2	1.5	30.61	2.29	100.0	100.0
5414.0	33.3	2.4	30.63	2.29	100.0	95.6
5415.0	32.0	2.8	30.66	2.29	99.5	86.4
5416.0	33.9	2.5	30.68	2.29	100.0	100.0
5417.0	30.2	3.7	30.71	2.29	89.4	68.8
5418.0	28.1	4.2	30.76	2.30	99.5	59.0
5419.0	38.5	5.0	30.80	2.30	100.0	55.4
5484.0	48.7	0.1	30.89	2.30	100.0	100.0
5485.0	45.6	0.2	30.89	2.30	100.0	100.0
5486.0	44.2	0.3	30.89	2.30	100.0	100.0
5487.0	43.7	0.1	30.90	2.30	100.0	100.0
5488.0	44.5	0.2	30.90	2.30	100.0	100.0
5491.0	48.9	0.3	30.90	2.30	100.0	100.0
5492.0	45.4	0.7	30.91	2.30	100.0	100.0
5493.0	46.7	0.8	30.92	2.30	100.0	100.0
5494.0	44.8	1.1	30.93	2.30	100.0	100.0
5502.0	45.7	1.5	30.97	2.30	100.0	100.0

DresserAtlas

CNG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. O/H
5503.0	35.5	2.2	30.99	2.30	100.0	100.0
5504.0	33.3	2.3	31.01	2.30	100.0	100.0
5505.0	44.6	1.4	31.03	2.30	100.0	100.0
5549.0	46.7	1.3	31.16	2.30	89.8	100.0
5550.0	37.3	3.1	31.18	2.30	72.2	100.0
5551.0	30.0	5.2	31.23	2.32	55.1	59.4
5552.0	25.4	6.0	31.29	2.35	49.6	51.0
5553.0	22.6	6.8	31.35	2.38	54.1	45.1
5554.0	19.9	7.7	31.43	2.41	65.5	39.9
5555.0	17.2	8.1	31.51	2.44	62.2	37.8
5556.0	18.0	8.0	31.59	2.47	60.1	35.8
5557.0	21.7	8.2	31.67	2.51	42.2	34.2
5558.0	20.6	8.9	31.76	2.55	53.0	31.1
5559.0	16.4	9.4	31.85	2.60	60.8	28.6
5570.0	14.4	9.3	31.94	2.64	58.6	28.5
5571.0	9.9	9.4	32.04	2.66	70.5	28.7
5572.0	9.2	9.5	32.13	2.70	64.4	27.7
5573.0	9.4	8.6	32.22	2.72	77.3	28.4
5574.0	10.5	8.5	32.31	2.74	77.6	30.7
5575.0	10.3	8.3	32.39	2.75	89.1	33.2
5576.0	15.4	8.0	32.47	2.77	72.8	32.0
5577.0	18.6	6.8	32.54	2.78	84.2	31.4
5578.0	26.5	4.1	32.59	2.79	92.1	43.9
5579.0	43.4	0.9	32.61	2.79	84.4	100.0
5690.0	49.8	0.1	32.72	2.79	100.0	100.0
5692.0	45.8	0.2	32.72	2.79	100.0	100.0
5693.0	38.6	1.3	32.73	2.79	100.0	100.0
5694.0	35.7	1.8	32.75	2.79	100.0	100.0
5695.0	32.2	2.6	32.77	2.79	100.0	99.3
5696.0	25.7	5.0	32.82	2.79	90.4	52.2
5697.0	22.6	5.8	32.87	2.80	85.9	46.5
5698.0	23.9	5.3	32.93	2.81	93.5	50.4
5699.0	24.5	4.9	32.98	2.81	87.8	52.6
5700.0	25.3	4.7	33.02	2.82	95.0	54.0
5701.0	28.5	3.7	33.06	2.82	94.1	68.1
5702.0	26.6	4.0	33.10	2.82	91.2	64.1
5703.0	25.1	4.9	33.15	2.83	77.9	53.2
5704.0	26.3	5.1	33.20	2.84	83.7	50.6
5705.0	27.6	5.4	33.25	2.85	83.9	49.6
5706.0	27.9	6.0	33.31	2.86	79.5	47.9
5707.0	29.6	6.2	33.37	2.87	78.1	47.2
5708.0	32.2	4.8	33.43	2.88	94.3	57.6
5709.0	36.5	3.2	33.46	2.88	100.0	84.9
5710.0	30.1	4.3	33.50	2.88	100.0	61.1
5711.0	33.3	3.3	33.54	2.88	87.3	75.4
5712.0	37.2	1.4	33.56	2.88	100.0	100.0
5713.0	41.4	0.1	33.56	2.88	100.0	100.0

DesertAtlas

CNG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. O/H
5714.0	47.8	0.1	33.56	2.88	100.0	100.0
5735.0	49.5	0.1	33.58	2.88	100.0	100.0
5740.0	47.8	0.1	33.59	2.88	100.0	100.0
5741.0	39.8	0.3	33.59	2.88	100.0	100.0
5742.0	40.1	0.6	33.59	2.88	100.0	100.0
5743.0	48.4	0.1	33.60	2.88	100.0	100.0
5745.0	41.3	1.9	33.61	2.88	100.0	100.0
5746.0	34.4	2.7	33.64	2.88	100.0	82.5
5747.0	32.9	3.9	33.67	2.88	100.0	61.4
5748.0	35.8	3.8	33.71	2.88	99.7	66.9
5749.0	35.4	3.4	33.75	2.88	100.0	77.0
5750.0	36.0	3.2	33.78	2.88	93.5	86.6
5751.0	34.3	3.9	33.82	2.89	75.5	74.5
5752.0	35.2	3.4	33.85	2.89	100.0	83.9
5753.0	37.4	3.4	33.89	2.89	100.0	88.3
5754.0	33.9	4.9	33.93	2.90	78.9	64.7
5755.0	29.1	5.2	33.98	2.91	80.5	63.6
5756.0	27.3	5.1	34.03	2.92	85.2	59.6
5757.0	32.5	3.4	34.07	2.92	98.1	75.1
5758.0	34.2	2.7	34.10	2.92	100.0	82.9
5759.0	29.9	2.6	34.13	2.92	100.0	80.3
5760.0	29.8	3.1	34.16	2.92	100.0	66.0
5761.0	29.3	3.4	34.19	2.92	100.0	61.4
5762.0	26.6	3.7	34.23	2.93	84.5	54.2
5763.0	29.7	2.4	34.26	2.93	100.0	93.9
5768.0	46.5	0.1	34.26	2.93	100.0	100.0
5771.0	36.0	1.6	34.27	2.93	100.0	99.7
5772.0	39.5	0.9	34.29	2.93	100.0	100.0
5774.0	42.7	0.1	34.29	2.93	100.0	100.0
5775.0	43.0	0.3	34.29	2.93	100.0	100.0
5776.0	46.5	1.7	34.30	2.93	91.8	100.0
5777.0	31.7	4.9	34.35	2.93	89.5	55.4
5778.0	24.1	6.1	34.40	2.94	95.2	43.4
5779.0	25.9	5.2	34.46	2.94	100.0	50.7
5780.0	27.1	4.2	34.50	2.94	100.0	58.9
5781.0	29.5	3.9	34.54	2.94	99.5	61.2
5782.0	26.8	4.9	34.59	2.94	90.1	51.6
5783.0	23.1	5.1	34.64	2.95	90.3	49.7
5784.0	20.7	5.0	34.69	2.95	100.0	43.2
5785.0	23.4	3.9	34.73	2.95	100.0	45.3
5786.0	25.4	3.0	34.76	2.95	100.0	56.3
5787.0	27.2	2.5	34.79	2.95	100.0	67.5
5788.0	32.7	0.4	34.80	2.95	100.0	100.0
5789.0	40.2	0.1	34.80	2.95	100.0	100.0

DresserAtlas

CNG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. O/H
5790.0	42.9	0.1	34.80	2.95	100.0	100.0
5791.0	35.1	1.8	34.82	2.95	100.0	96.9
5792.0	34.8	2.7	34.84	2.95	91.9	69.7
5793.0	45.0	1.4	34.86	2.95	94.5	100.0
5794.0	49.6	1.2	34.87	2.95	100.0	100.0
5800.0	48.6	2.8	34.97	2.95	94.0	100.0
5801.0	45.6	2.9	35.00	2.95	88.9	100.0
5802.0	49.1	1.7	35.02	2.95	94.5	100.0
5804.0	45.7	2.1	35.05	2.95	90.2	100.0
5805.0	44.8	2.1	35.07	2.95	98.4	100.0
5807.0	48.1	0.9	35.09	2.95	100.0	100.0
5808.0	41.0	2.0	35.11	2.95	100.0	100.0
5809.0	42.3	1.9	35.13	2.95	100.0	100.0
5810.0	44.3	2.1	35.15	2.95	100.0	100.0
5811.0	47.0	2.7	35.17	2.95	98.5	100.0
5812.0	43.3	3.3	35.20	2.95	95.5	83.1
5813.0	39.8	3.2	35.24	2.95	95.4	75.8
5814.0	36.6	2.9	35.27	2.97	89.0	73.4
5815.0	34.6	2.5	35.29	2.97	99.1	84.8
5867.0	43.4	0.1	35.35	2.97	100.0	100.0
5940.0	42.6	2.4	35.45	2.97	100.0	100.0
5944.0	44.6	0.9	35.49	2.97	100.0	100.0
5945.0	42.5	1.4	35.50	2.97	100.0	100.0
5946.0	47.5	0.1	35.50	2.97	100.0	100.0
5947.0	44.5	1.2	35.51	2.97	100.0	100.0
5948.0	42.3	5.4	35.55	2.97	100.0	55.9
5976.0	43.5	0.3	35.62	2.97	100.0	100.0
5977.0	38.3	2.2	35.63	2.97	100.0	100.0
5978.0	40.8	2.3	35.66	2.97	100.0	100.0
5979.0	35.3	3.4	35.69	2.97	100.0	75.6
5980.0	28.1	4.5	35.73	2.97	93.7	51.3
5981.0	35.0	2.7	35.76	2.97	96.2	94.2
5982.0	49.7	0.3	35.77	2.97	100.0	100.0
6009.0	48.1	1.6	35.84	2.97	100.0	100.0
6010.0	49.3	1.6	35.85	2.97	100.0	100.0
6054.0	45.5	0.1	35.92	2.97	100.0	100.0
6065.0	48.4	0.3	35.93	2.97	100.0	100.0
6066.0	48.5	0.6	35.93	2.97	93.5	100.0
6078.0	36.8	5.8	36.04	2.98	80.3	47.4

Dresser Atlas

CNG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. O/H
6079.0	36.8	5.0	36.09	2.99	80.2	54.1
6080.0	43.3	3.3	36.13	3.00	84.2	85.1
6081.0	43.2	3.6	36.16	3.01	84.1	78.6
6082.0	35.8	5.5	36.21	3.02	71.7	47.4
6083.0	11.8	9.9	36.30	3.02	97.4	25.3
6084.0	4.4	11.2	36.41	3.03	97.9	22.2
6085.0	4.1	9.3	36.51	3.03	100.0	24.6
6086.0	5.6	7.7	36.59	3.03	98.5	27.7
6087.0	18.1	6.5	36.65	3.04	73.8	33.3
6204.0	39.9	3.5	36.86	3.05	97.5	82.6
6205.0	36.4	3.7	36.90	3.05	97.9	80.1
6206.0	35.3	4.7	36.94	3.05	94.4	63.2
6208.0	38.8	4.4	37.00	3.05	92.5	70.9
6209.0	20.9	7.5	37.07	3.06	100.0	35.9
6210.0	14.5	8.9	37.16	3.06	100.0	27.4
6211.0	25.7	7.5	37.24	3.07	80.9	33.6
6224.0	48.5	1.2	37.31	3.07	92.4	100.0
6231.0	30.7	5.2	37.38	3.07	100.0	56.5
6232.0	27.6	5.9	37.44	3.08	84.4	46.6
6233.0	35.3	5.1	37.49	3.09	89.6	64.9
6234.0	30.2	6.4	37.55	3.09	85.3	48.4
6235.0	17.4	8.8	37.63	3.10	92.6	32.8
6236.0	19.0	9.8	37.73	3.11	92.8	31.0
6237.0	24.1	7.6	37.81	3.12	89.6	34.2
6238.0	16.0	6.7	37.88	3.12	100.0	30.2
6239.0	14.3	7.6	37.95	3.12	89.3	25.8
6240.0	17.4	7.7	38.03	3.14	68.5	26.6
6241.0	19.8	7.6	38.10	3.16	73.7	27.8
6242.0	19.3	8.2	38.18	3.19	69.8	27.3
6243.0	24.2	8.1	38.27	3.21	67.7	29.2
6244.0	19.7	8.9	38.35	3.24	69.7	27.0
6245.0	20.6	8.7	38.44	3.27	62.1	27.0
6246.0	31.6	6.7	38.51	3.30	63.6	36.8
6247.0	36.7	5.7	38.57	3.31	77.1	45.0
6248.0	35.7	6.0	38.63	3.33	75.0	40.7
6249.0	33.3	6.1	38.69	3.34	75.4	36.8
6250.0	31.6	4.5	38.74	3.35	95.5	43.7
6251.0	38.7	1.0	38.76	3.35	100.0	100.0
6254.0	49.4	0.4	38.77	3.35	100.0	100.0
6255.0	45.8	0.7	38.77	3.35	100.0	100.0
6256.0	48.7	0.3	38.78	3.35	100.0	100.0
6257.0	48.7	0.1	38.78	3.35	92.6	100.0
6258.0	45.1	0.1	38.78	3.35	100.0	100.0
6259.0	43.0	0.1	38.78	3.35	100.0	100.0

DresserAtlas

CNG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. D/H
6322.0	39.7	1.1	38.85	3.35	100.0	100.0
6323.0	34.1	1.3	38.86	3.35	100.0	100.0
6324.0	42.0	0.6	38.87	3.35	100.0	100.0
6340.0	47.5	0.1	38.89	3.35	100.0	100.0
6341.0	38.7	1.2	38.90	3.35	100.0	100.0
6405.0	44.3	0.4	38.97	3.35	100.0	100.0
6406.0	39.0	1.4	38.98	3.35	100.0	100.0
6407.0	36.9	1.4	39.00	3.35	100.0	100.0
6408.0	31.1	2.4	39.02	3.35	100.0	98.9
6423.0	49.9	0.1	39.04	3.35	100.0	100.0
6462.0	28.7	3.5	39.10	3.36	51.9	66.2
6463.0	10.9	5.9	39.16	3.36	100.0	34.8
6464.0	18.1	5.7	39.22	3.36	100.0	41.0
6473.0	44.7	0.9	39.24	3.36	94.7	100.0
6474.0	29.6	4.1	39.28	3.36	88.7	61.3
6475.0	21.9	7.2	39.34	3.37	98.6	39.2
6476.0	24.9	10.2	39.44	3.37	94.4	34.1
6477.0	11.2	12.5	39.56	3.37	100.0	27.3
6478.0	7.8	10.2	39.66	3.37	100.0	29.8
6479.0	5.9	10.3	39.77	3.37	100.0	27.3
6480.0	7.8	10.4	39.87	3.37	100.0	25.0
6481.0	14.9	12.7	39.99	3.39	76.6	23.3
6482.0	27.1	9.5	40.10	3.40	100.0	38.8
6483.0	32.1	6.9	40.16	3.40	97.7	50.1
6484.0	18.9	7.6	40.25	3.41	100.0	36.3
6485.0	8.1	9.1	40.33	3.41	100.0	30.8
6486.0	6.5	8.9	40.42	3.41	100.0	30.4
6487.0	8.6	8.2	40.50	3.41	100.0	32.4
6488.0	5.3	8.5	40.59	3.41	100.0	30.3
6489.0	8.1	7.9	40.67	3.41	100.0	29.9
6490.0	9.6	6.7	40.74	3.41	100.0	32.7
6491.0	8.4	6.9	40.81	3.41	100.0	30.4
6492.0	15.5	8.0	40.89	3.41	100.0	36.8
6493.0	48.4	2.9	40.93	3.41	100.0	100.0
6564.0	44.1	0.4	41.01	3.41	85.6	100.0
6577.0	37.3	0.8	41.03	3.41	72.1	100.0
6578.0	23.9	0.8	41.04	3.42	40.1	100.0
6579.0	35.8	0.1	41.04	3.42	68.8	100.0
6580.0	43.4	0.1	41.04	3.42	84.4	100.0
6617.0	32.0	1.7	41.09	3.42	77.1	100.0
6618.0	20.3	2.9	41.11	3.42	74.9	68.5
6619.0	48.9	0.5	41.13	3.43	92.9	100.0

DresserAtlas

CNG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. O/H
6628.0	48.2	0.7	41.15	3.43	91.9	100.0
6629.0	26.0	3.7	41.17	3.44	71.7	73.0
6630.0	21.7	4.8	41.22	3.45	82.2	53.0
6631.0	43.7	2.2	41.26	3.45	85.0	100.0
6638.0	31.8	1.3	41.27	3.45	100.0	100.0
6639.0	22.2	2.6	41.29	3.45	74.3	77.4
6640.0	41.6	1.1	41.31	3.45	81.0	100.0
6648.0	16.5	5.1	41.35	3.47	71.8	47.4
6649.0	5.3	6.7	41.42	3.49	70.2	35.3
6650.0	8.2	6.6	41.48	3.52	59.0	36.1
6651.0	27.9	4.5	41.54	3.54	49.8	55.7
6667.0	46.5	0.1	41.56	3.54	89.6	100.0
6743.0	43.7	0.1	41.63	3.54	84.9	100.0
6744.0	21.9	3.2	41.66	3.54	100.0	72.3
6745.0	28.8	3.2	41.69	3.56	52.0	75.3
6746.0	49.4	1.4	41.71	3.56	93.5	100.0
6791.0	35.6	1.6	41.77	3.56	79.6	100.0
6792.0	9.0	3.7	41.80	3.56	93.7	51.1
6793.0	7.4	4.2	41.84	3.58	71.6	43.9
6794.0	19.0	3.9	41.88	3.59	54.3	53.3
6810.0	47.3	0.1	41.90	3.59	90.7	100.0
6811.0	31.1	1.4	41.91	3.60	57.6	100.0
6815.0	43.3	0.4	41.92	3.60	84.3	100.0
6816.0	42.7	0.4	41.93	3.60	83.1	100.0
6817.0	39.5	1.2	41.94	3.60	76.9	100.0
6897.0	38.4	1.0	42.02	3.60	100.0	100.0
6898.0	36.9	1.0	42.04	3.60	71.3	100.0
6907.0	48.6	0.1	42.05	3.60	100.0	100.0
6908.0	32.0	1.1	42.05	3.60	72.1	100.0
6909.0	43.8	0.4	42.06	3.61	85.1	100.0
6914.0	47.3	0.1	42.06	3.61	90.8	100.0
6965.0	33.3	0.3	42.12	3.61	100.0	100.0
6966.0	35.9	0.6	42.12	3.61	100.0	100.0
6967.0	39.2	0.5	42.13	3.61	100.0	100.0
6968.0	36.9	0.5	42.13	3.61	100.0	100.0
6969.0	46.7	0.9	42.14	3.61	89.9	100.0
6989.0	42.3	0.3	42.18	3.61	100.0	100.0

Dresser Atlas

CNG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. O/H
6990.0	12.7	3.5	42.21	3.61	100.0	100.0
6991.0	6.6	5.3	42.26	3.61	81.9	29.4
6992.0	6.6	6.6	42.32	3.65	30.6	23.7
6993.0	4.2	6.7	42.39	3.70	36.9	23.4
6994.0	3.2	6.4	42.46	3.73	45.0	22.7
6995.0	1.3	6.3	42.52	3.77	43.7	20.9
6996.0	1.7	6.9	42.59	3.80	43.8	20.5
6997.0	9.7	6.2	42.65	3.85	23.7	28.7
6998.0	29.8	3.2	42.69	3.88	54.5	72.9
7006.0	44.2	0.1	42.70	3.88	100.0	100.0
7007.0	21.2	0.2	42.70	3.88	100.0	100.0
7008.0	23.1	0.1	42.71	3.88	38.2	100.0
7009.0	25.2	0.1	42.71	3.88	43.2	100.0
7010.0	22.9	1.0	42.71	3.88	37.7	100.0
7011.0	24.3	0.5	42.72	3.89	41.1	100.0
7040.0	49.0	0.1	42.75	3.89	100.0	100.0
7041.0	38.5	0.1	42.75	3.89	100.0	100.0
7042.0	25.5	0.4	42.75	3.89	100.0	100.0
7043.0	9.9	2.6	42.78	3.89	100.0	74.5
7044.0	8.2	4.9	42.82	3.89	67.0	47.1
7045.0	7.6	6.2	42.88	3.91	79.1	42.5
7046.0	4.2	5.7	42.94	3.92	93.7	45.0
7047.0	3.9	5.6	42.99	3.93	61.5	44.0
7048.0	4.5	5.6	43.05	3.95	63.0	40.4
7049.0	23.0	4.0	43.10	3.98	37.8	55.6
7064.0	42.6	0.7	43.12	3.98	100.0	100.0
7065.0	22.2	2.9	43.14	3.98	100.0	64.1
7066.0	25.3	3.0	43.17	3.98	100.0	66.8
7067.0	47.1	1.0	43.19	3.98	100.0	100.0
7077.0	39.5	0.1	43.20	3.98	100.0	100.0
7078.0	33.2	0.1	43.20	3.98	100.0	100.0
7090.0	49.8	0.1	43.22	3.98	100.0	100.0
7096.0	44.7	0.1	43.22	3.98	100.0	100.0
7097.0	31.4	0.4	43.22	3.98	100.0	100.0
7098.0	23.0	0.8	43.23	3.98	100.0	100.0
7099.0	29.9	0.8	43.24	3.98	100.0	100.0
7100.0	34.3	0.3	43.25	3.98	100.0	100.0
7105.0	41.9	0.1	43.25	3.98	100.0	100.0
7106.0	31.3	0.1	43.25	3.98	100.0	100.0
7107.0	42.4	0.1	43.25	3.98	100.0	100.0
7121.0	45.4	0.5	43.27	3.98	100.0	100.0
7122.0	47.6	0.1	43.27	3.98	100.0	100.0

DresserAtlas

CNG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. O/H
7123.0	41.9	0.1	43.27	3.98	100.0	100.0
7124.0	42.8	0.1	43.27	3.98	100.0	100.0
7125.0	45.8	0.1	43.28	3.98	100.0	100.0
7126.0	48.1	0.1	43.28	3.98	100.0	100.0
7130.0	44.5	0.1	43.28	3.98	100.0	100.0
7131.0	41.0	0.1	43.28	3.98	100.0	100.0
7132.0	38.2	0.1	43.28	3.98	100.0	100.0
7133.0	41.0	0.1	43.28	3.98	100.0	100.0
7144.0	42.9	0.1	43.29	3.98	100.0	100.0
7145.0	8.5	3.9	43.33	3.98	100.0	43.2
7146.0	4.8	5.8	43.38	4.00	54.2	29.5
7147.0	4.2	6.6	43.45	4.02	59.5	31.3
7148.0	7.6	5.8	43.51	4.05	59.0	34.3
7149.0	24.5	4.1	43.55	4.08	41.6	45.7
7153.0	41.3	0.1	43.56	4.08	100.0	100.0
7156.0	45.6	0.1	43.56	4.08	100.0	100.0
7157.0	45.0	0.1	43.56	4.08	100.0	100.0
7166.0	34.3	5.0	43.61	4.08	98.4	37.4
7167.0	43.3	2.8	43.64	4.08	84.2	66.4
7168.0	40.1	1.2	43.66	4.09	78.0	100.0
7169.0	24.2	0.2	43.66	4.09	100.0	100.0
7170.0	19.2	0.5	43.67	4.09	100.0	100.0
7171.0	18.0	1.5	43.68	4.09	69.4	100.0
7172.0	26.0	1.5	43.69	4.10	45.1	100.0
7176.0	39.9	0.5	43.70	4.10	100.0	100.0
7177.0	21.1	2.1	43.72	4.10	100.0	100.0
7178.0	16.0	2.4	43.74	4.10	100.0	73.1
7179.0	24.8	1.3	43.76	4.10	51.0	100.0
7180.0	30.2	1.4	43.77	4.11	55.4	100.0
7194.0	33.1	1.4	43.80	4.11	87.3	100.0
7198.0	38.9	0.2	43.81	4.11	100.0	100.0
7199.0	30.5	1.9	43.82	4.11	100.0	85.4
7200.0	32.0	1.7	43.84	4.11	89.1	92.7
7201.0	47.3	0.1	43.84	4.11	90.6	100.0
7208.0	42.5	0.1	43.85	4.11	100.0	100.0
7216.0	47.6	0.1	43.86	4.11	100.0	100.0
7217.0	36.9	0.1	43.86	4.11	100.0	100.0
7223.0	45.7	0.1	43.88	4.11	88.3	100.0
7224.0	48.6	0.1	43.88	4.11	92.4	100.0

Desert Atlas

CNG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. O/H
7230.0	45.0	0.3	43.89	4.11	100.0	100.0
7244.0	23.3	2.6	43.92	4.11	100.0	72.4
7245.0	8.0	4.6	43.96	4.11	100.0	28.4
7246.0	12.5	3.8	44.00	4.13	29.7	32.7
7247.0	35.5	1.6	44.03	4.15	68.1	100.0
7259.0	35.5	0.3	44.04	4.15	100.0	100.0
7260.0	24.4	1.2	44.05	4.15	100.0	100.0
7261.0	36.7	0.3	44.06	4.15	70.7	100.0
7265.0	48.0	0.1	44.06	4.15	100.0	100.0
7266.0	35.8	0.1	44.06	4.15	100.0	100.0
7267.0	44.7	0.1	44.06	4.15	100.0	100.0
7279.0	39.7	0.1	44.07	4.15	100.0	100.0
7280.0	20.4	0.1	44.08	4.15	100.0	100.0
7281.0	22.3	0.3	44.08	4.15	100.0	100.0
7282.0	45.2	0.1	44.08	4.15	87.5	100.0
7284.0	31.4	0.6	44.09	4.15	100.0	100.0
7285.0	11.4	2.6	44.11	4.15	100.0	48.2
7286.0	19.4	3.1	44.14	4.15	100.0	45.6
7295.0	44.3	0.1	44.16	4.15	100.0	100.0
7296.0	49.2	0.1	44.16	4.15	100.0	100.0
7301.0	49.4	0.1	44.16	4.15	100.0	100.0
7302.0	49.8	0.1	44.16	4.15	100.0	100.0
7304.0	49.9	0.1	44.16	4.15	100.0	100.0
7305.0	47.4	0.1	44.17	4.15	100.0	100.0
7306.0	45.5	0.1	44.17	4.15	100.0	100.0
7308.0	47.5	0.1	44.17	4.15	100.0	100.0
7309.0	27.5	0.1	44.17	4.15	100.0	100.0
7339.0	49.7	0.1	44.20	4.15	100.0	100.0
7340.0	44.5	0.1	44.20	4.15	100.0	100.0
7344.0	43.0	0.1	44.21	4.15	100.0	100.0
7345.0	26.3	1.4	44.22	4.15	100.0	100.0
7346.0	28.8	0.9	44.23	4.15	68.5	100.0
7347.0	30.2	0.6	44.23	4.15	100.0	100.0
7348.0	25.7	1.3	44.25	4.15	77.1	100.0
7349.0	29.4	0.8	44.26	4.15	53.6	100.0
7350.0	28.5	0.9	44.26	4.15	51.3	100.0
7351.0	38.4	0.1	44.27	4.15	74.6	100.0

Uncertified

CNG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. O/H
7364.0	22.6	3.9	44.31	4.15	100.0	52.2
7365.0	10.0	6.8	44.37	4.17	73.1	25.0
7366.0	10.3	8.1	44.45	4.20	64.9	26.0
7367.0	10.4	8.8	44.53	4.22	80.4	30.2
7368.0	8.6	9.3	44.62	4.24	83.1	41.2
7369.0	8.8	9.0	44.72	4.24	91.4	44.0
7370.0	8.7	9.0	44.80	4.25	88.5	37.0
7371.0	9.7	8.8	44.89	4.25	88.7	38.0
7372.0	9.3	9.1	44.98	4.27	96.5	36.1
7373.0	7.9	8.9	45.07	4.27	100.0	35.3
7374.0	6.7	7.9	45.15	4.27	100.0	37.0
7375.0	6.9	7.0	45.23	4.27	100.0	36.3
7376.0	12.2	5.6	45.29	4.28	65.9	36.7
7377.0	42.2	1.1	45.31	4.30	82.2	100.0
7393.0	23.8	1.2	45.34	4.30	100.0	100.0
7394.0	38.4	0.2	45.34	4.30	74.5	100.0
7397.0	43.6	0.1	45.34	4.30	100.0	100.0
7413.0	44.2	0.6	45.36	4.30	100.0	100.0
7414.0	40.9	0.8	45.37	4.30	100.0	100.0
7415.0	49.6	0.1	45.37	4.30	100.0	100.0
7418.0	25.6	0.1	45.38	4.30	100.0	100.0
7419.0	19.0	1.3	45.39	4.30	100.0	100.0
7421.0	40.1	0.1	45.39	4.30	78.1	100.0
7422.0	30.2	0.3	45.39	4.30	55.6	100.0
7437.0	48.8	0.1	45.41	4.30	92.7	100.0
7440.0	35.8	0.1	45.41	4.30	100.0	100.0
7441.0	25.7	0.9	45.42	4.30	100.0	100.0
7442.0	43.5	0.1	45.42	4.30	100.0	100.0
7447.0	45.8	0.1	45.43	4.30	100.0	100.0
7452.0	45.4	0.1	45.43	4.30	100.0	100.0
7453.0	44.2	0.1	45.43	4.30	100.0	100.0
7464.0	41.9	0.1	45.44	4.30	100.0	100.0
7465.0	25.0	1.0	45.45	4.30	100.0	100.0
7466.0	15.3	2.5	45.47	4.30	72.1	54.8
7467.0	10.0	3.5	45.50	4.32	60.0	30.2
7468.0	16.1	3.3	45.54	4.33	48.8	35.3
7469.0	35.8	1.2	45.56	4.34	94.4	100.0
7471.0	44.7	1.1	45.56	4.34	100.0	100.0
7472.0	14.8	5.7	45.61	4.34	89.8	34.4

DresserAtlas

CNG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. O/H
7473.0	6.9	6.9	45.68	4.35	68.6	27.5
7474.0	7.5	7.2	45.75	4.38	75.8	30.2
7475.0	8.0	7.2	45.82	4.39	84.6	32.7
7476.0	10.3	6.9	45.89	4.41	78.6	33.2
7477.0	10.4	7.1	45.96	4.42	85.9	33.5
7478.0	6.9	7.4	46.04	4.42	95.6	35.6
7479.0	7.8	7.2	46.11	4.42	96.4	37.9
7480.0	8.9	7.0	46.18	4.43	92.5	38.5
7481.0	7.3	6.8	46.25	4.43	95.4	35.8
7482.0	9.2	5.5	46.31	4.45	66.2	36.6
7483.0	37.4	1.6	46.34	4.46	72.3	100.0
7486.0	35.3	0.1	46.34	4.46	100.0	100.0
7491.0	34.3	0.1	46.35	4.46	100.0	100.0
7492.0	20.4	1.9	46.36	4.46	97.6	64.3
7493.0	46.3	0.1	46.37	4.47	89.2	100.0
7506.0	31.9	0.1	46.38	4.47	100.0	100.0
7507.0	44.2	0.1	46.38	4.47	85.9	100.0
7521.0	30.4	0.1	46.40	4.47	100.0	100.0
7522.0	19.7	0.6	46.40	4.47	100.0	100.0
7523.0	26.1	1.0	46.41	4.47	100.0	100.0
7524.0	43.2	0.1	46.42	4.47	100.0	100.0
7525.0	49.8	0.1	46.42	4.47	100.0	100.0
7530.0	21.9	3.4	46.45	4.47	100.0	53.2
7531.0	12.9	4.4	46.49	4.47	83.3	28.8
7532.0	13.5	4.5	46.53	4.48	73.1	26.2
7533.0	13.6	4.1	46.57	4.49	82.3	26.8
7534.0	22.2	2.9	46.61	4.49	100.0	49.2
7555.0	35.6	0.1	46.64	4.49	100.0	100.0
7556.0	17.5	0.6	46.64	4.49	100.0	100.0
7557.0	18.2	1.7	46.66	4.49	100.0	69.7
7558.0	44.3	0.6	46.67	4.49	100.0	100.0
7567.0	41.8	0.1	46.67	4.49	100.0	100.0
7568.0	24.2	2.1	46.69	4.49	100.0	74.1
7569.0	14.5	4.2	46.73	4.50	68.2	34.5
7570.0	12.0	5.1	46.77	4.52	66.2	29.9
7571.0	8.4	5.7	46.83	4.54	56.3	27.4
7572.0	7.6	5.4	46.89	4.56	63.9	29.0
7573.0	6.8	4.1	46.93	4.57	82.9	34.6
7574.0	9.7	4.1	46.97	4.58	74.5	31.3
7575.0	34.2	2.4	47.00	4.59	83.2	68.2
7597.0	40.6	1.2	47.03	4.59	100.0	100.0
7598.0	27.1	2.8	47.06	4.59	96.7	41.2

DresserAtlas

CNG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. O/H
7599.0	36.9	0.2	47.07	4.59	71.4	100.0
7625.0	19.3	1.5	47.10	4.59	100.0	99.3
7626.0	12.9	2.8	47.13	4.59	97.7	51.4
7627.0	12.6	3.0	47.16	4.60	76.3	54.3
7628.0	17.4	2.8	47.19	4.61	48.5	63.3
7629.0	19.5	2.6	47.21	4.62	61.5	72.5
7630.0	14.2	4.9	47.25	4.64	51.5	39.9
7631.0	10.5	7.2	47.32	4.67	47.4	28.9
7632.0	10.0	7.6	47.40	4.71	54.3	30.0
7633.0	10.2	7.0	47.47	4.73	73.7	35.4
7634.0	11.0	6.0	47.53	4.75	80.3	41.1
7635.0	30.4	2.1	47.56	4.76	56.0	100.0
7639.0	39.8	0.1	47.57	4.76	100.0	100.0
7640.0	38.0	0.5	47.57	4.76	100.0	100.0
7646.0	29.8	0.1	47.58	4.76	100.0	100.0
7647.0	28.7	0.1	47.58	4.76	100.0	100.0
7648.0	34.3	0.1	47.58	4.76	65.3	100.0
7649.0	22.5	1.5	47.59	4.76	80.9	100.0
7650.0	11.3	4.0	47.63	4.77	67.4	36.3
7651.0	9.1	4.9	47.67	4.79	62.5	31.2
7652.0	11.4	4.9	47.72	4.81	58.8	34.3
7653.0	12.2	5.1	47.77	4.83	54.1	34.5
7654.0	13.9	5.7	47.83	4.85	60.7	32.1
7655.0	17.4	6.0	47.89	4.88	40.2	30.9
7656.0	16.6	5.6	47.94	4.91	53.7	33.4
7657.0	20.5	4.7	47.99	4.94	45.2	40.4
7658.0	23.7	4.4	48.04	4.96	39.6	41.4
7659.0	17.0	5.2	48.09	4.99	57.9	33.3
7660.0	18.2	4.3	48.13	5.01	46.8	39.5
7661.0	18.1	4.2	48.17	5.04	26.8	38.1
7662.0	17.4	4.2	48.22	5.06	53.0	37.9
7663.0	28.3	2.1	48.24	5.07	51.4	81.2
7664.0	30.0	0.9	48.26	5.08	77.8	100.0
7672.0	43.2	0.9	48.27	5.08	100.0	100.0
7688.0	38.7	0.1	48.29	5.08	100.0	100.0
7689.0	19.7	1.0	48.29	5.08	100.0	100.0
7690.0	33.6	0.3	48.30	5.08	100.0	100.0
7701.0	47.2	0.1	48.31	5.08	100.0	100.0
7702.0	46.2	0.1	48.31	5.08	100.0	100.0
7714.0	43.8	0.1	48.32	5.08	100.0	100.0
7715.0	43.8	0.1	48.33	5.08	100.0	100.0
7716.0	41.1	0.1	48.33	5.08	100.0	100.0

Dresser Atlas

CNG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. O/H
7726.0	46.8	0.1	48.34	5.08	100.0	100.0
7727.0	42.3	0.1	48.34	5.08	100.0	100.0
7728.0	29.1	0.2	48.34	5.08	100.0	100.0
7729.0	19.2	2.1	48.36	5.08	100.0	53.1
7730.0	27.6	1.7	48.38	5.08	100.0	84.5
7734.0	40.1	0.1	48.38	5.08	100.0	100.0
7735.0	35.0	0.1	48.38	5.08	100.0	100.0
7743.0	40.8	0.1	48.39	5.08	100.0	100.0
7744.0	38.2	0.1	48.39	5.08	100.0	100.0
7745.0	44.0	0.1	48.39	5.08	100.0	100.0
7746.0	46.6	0.1	48.39	5.08	89.7	100.0
7747.0	38.6	0.1	48.40	5.08	75.0	100.0
7748.0	41.9	0.1	48.40	5.08	100.0	100.0
7754.0	23.0	3.6	48.42	5.09	55.0	46.1
7755.0	28.5	2.1	48.45	5.09	100.0	100.0
7758.0	40.9	0.5	48.45	5.09	100.0	100.0
7759.0	39.9	0.7	48.46	5.09	100.0	100.0
7760.0	43.3	0.5	48.47	5.09	100.0	100.0
7774.0	43.8	0.1	48.48	5.09	85.1	100.0
7775.0	19.7	0.4	48.48	5.09	100.0	100.0
7776.0	21.8	0.9	48.49	5.09	100.0	100.0
7777.0	49.0	0.1	48.49	5.09	100.0	100.0
7799.0	38.8	0.1	48.52	5.09	100.0	100.0
7800.0	27.3	1.5	48.52	5.09	100.0	99.6
7810.0	35.3	0.7	48.57	5.09	95.0	100.0
7811.0	13.8	2.5	48.59	5.09	100.0	100.0
7812.0	9.4	4.3	48.63	5.09	92.1	55.7
7813.0	11.3	3.9	48.67	5.10	64.0	50.1
7814.0	12.1	2.9	48.70	5.11	93.0	52.1
7815.0	25.8	1.6	48.72	5.11	100.0	100.0
7835.0	39.4	0.1	48.74	5.11	100.0	100.0
7836.0	27.2	0.1	48.74	5.11	100.0	100.0
7837.0	42.9	0.1	48.74	5.11	100.0	100.0
7844.0	48.8	0.1	48.75	5.11	100.0	100.0
7845.0	47.9	0.1	48.75	5.11	100.0	100.0
7848.0	47.9	2.5	48.77	5.11	100.0	82.9
7883.0	47.3	0.1	48.81	5.11	100.0	100.0
7884.0	28.6	0.1	48.81	5.11	100.0	100.0
7885.0	21.0	0.1	48.81	5.11	100.0	100.0

Dresser Atlas

CNG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. O/H
7886.0	21.4	0.1	48.82	5.11	100.0	100.0
7887.0	20.1	0.1	48.82	5.11	100.0	100.0
7888.0	25.0	0.1	48.82	5.11	100.0	100.0
7889.0	28.3	0.4	48.82	5.11	100.0	100.0
7890.0	42.0	0.4	48.83	5.11	100.0	100.0
7891.0	43.6	0.1	48.83	5.11	100.0	100.0
7892.0	37.5	0.9	48.83	5.11	100.0	100.0
7893.0	40.8	0.4	48.84	5.11	100.0	100.0
7894.0	43.0	0.1	48.84	5.11	100.0	100.0
7895.0	43.0	0.1	48.84	5.11	100.0	100.0
7906.0	49.9	1.2	48.86	5.11	94.1	100.0
7907.0	30.2	0.8	48.87	5.11	100.0	100.0
7908.0	39.1	1.0	48.87	5.11	100.0	100.0
7915.0	47.4	0.1	48.89	5.11	90.9	100.0
7916.0	42.5	0.1	48.90	5.11	82.9	100.0
7917.0	31.9	0.1	48.90	5.11	59.5	100.0
7918.0	29.9	0.1	48.90	5.11	100.0	100.0
7919.0	28.4	0.3	48.90	5.11	58.5	100.0
7920.0	25.0	0.9	48.91	5.11	95.5	100.0
7921.0	28.6	0.2	48.91	5.11	100.0	100.0
7924.0	37.0	2.8	48.93	5.11	77.8	100.0
7925.0	19.9	7.8	49.00	5.13	71.0	54.8
7926.0	9.3	10.2	49.10	5.16	71.7	46.9
7927.0	10.1	10.7	49.20	5.19	71.1	44.7
7928.0	12.1	10.2	49.31	5.22	68.7	45.5
7929.0	13.6	10.3	49.41	5.25	71.3	43.6
7930.0	11.1	10.1	49.51	5.27	83.1	43.2
7931.0	11.6	9.4	49.61	5.29	95.9	43.5
7932.0	18.6	8.2	49.69	5.29	78.2	43.5
7933.0	18.7	7.5	49.77	5.31	73.2	40.3
7934.0	22.0	7.5	49.84	5.33	81.4	40.2
7935.0	22.6	7.4	49.92	5.35	74.0	42.0
7936.0	30.9	4.7	49.97	5.37	57.2	54.2
7937.0	28.2	4.3	50.01	5.39	50.7	48.0
7938.0	22.6	4.4	50.06	5.42	36.9	46.3
7939.0	22.3	4.1	50.10	5.44	37.0	42.4
7940.0	26.4	3.2	50.13	5.45	46.2	41.9
7941.0	28.2	2.3	50.16	5.47	50.5	53.9
7942.0	41.8	0.1	50.16	5.48	81.4	100.0
7943.0	42.3	0.1	50.17	5.48	82.5	100.0
7958.0	36.7	1.7	50.19	5.48	81.2	94.3
7959.0	32.5	1.7	50.21	5.48	100.0	79.3
7962.0	49.1	0.1	50.21	5.48	100.0	100.0
8066.0	44.3	0.1	50.35	5.48	100.0	100.0

CNG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. O/H
8074.0	46.1	1.1	50.38	5.48	100.0	100.0
8075.0	43.6	0.1	50.38	5.48	100.0	100.0
8076.0	42.0	0.1	50.38	5.48	100.0	100.0
8077.0	45.3	0.1	50.38	5.48	100.0	100.0
8086.0	40.7	0.1	50.39	5.48	100.0	100.0
8087.0	30.7	2.6	50.41	5.48	100.0	56.8
8088.0	44.1	1.6	50.43	5.48	86.8	98.3
8092.0	33.7	0.1	50.44	5.48	100.0	100.0
8093.0	16.0	1.3	50.44	5.48	100.0	100.0
8094.0	9.8	2.6	50.47	5.48	100.0	57.5
8095.0	13.7	2.0	50.49	5.48	87.8	74.9
8096.0	40.0	3.2	50.51	5.49	77.9	48.1
8107.0	39.1	0.1	50.53	5.49	100.0	100.0
8108.0	32.9	0.1	50.53	5.49	100.0	100.0
8123.0	45.8	2.0	50.61	5.49	100.0	100.0
8124.0	43.4	1.0	50.63	5.49	100.0	100.0
8125.0	44.7	1.0	50.64	5.49	100.0	100.0
8130.0	45.4	0.1	50.64	5.49	100.0	100.0
8131.0	42.1	0.1	50.64	5.49	100.0	100.0
8132.0	35.3	0.1	50.64	5.49	100.0	100.0
8133.0	38.9	0.1	50.65	5.49	100.0	100.0
8134.0	40.2	0.1	50.65	5.49	100.0	100.0
8135.0	38.8	0.1	50.65	5.49	100.0	100.0
8150.0	38.1	0.3	50.66	5.49	100.0	100.0
8151.0	40.6	0.5	50.67	5.49	100.0	100.0
8154.0	44.0	1.3	50.70	5.49	100.0	100.0
8155.0	29.2	0.9	50.71	5.49	100.0	100.0
8156.0	31.6	1.3	50.72	5.49	100.0	100.0
8157.0	48.2	0.1	50.73	5.49	100.0	100.0
8162.0	45.0	0.1	50.73	5.49	100.0	100.0
8163.0	36.9	0.1	50.73	5.49	100.0	100.0
8164.0	25.8	0.7	50.74	5.49	100.0	100.0
8165.0	41.3	0.1	50.74	5.49	100.0	100.0
8169.0	41.3	0.2	50.74	5.49	100.0	100.0
8170.0	41.5	0.1	50.75	5.49	100.0	100.0
8171.0	32.7	0.1	50.75	5.49	100.0	100.0
8172.0	24.0	1.2	50.76	5.49	100.0	100.0
8176.0	31.2	1.7	50.78	5.49	100.0	91.4
8177.0	48.6	0.3	50.78	5.49	100.0	100.0

DresserAtlas

CNG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. O/H
8185.0	44.0	0.2	50.79	5.49	100.0	100.0
8186.0	31.8	5.4	50.84	5.49	96.9	37.9
8187.0	48.3	2.3	50.87	5.49	98.1	100.0
8188.0	33.9	3.3	50.90	5.49	100.0	65.7
8189.0	25.0	1.6	50.92	5.49	100.0	94.3
8190.0	41.5	0.4	50.93	5.49	100.0	100.0
8196.0	13.4	2.7	50.95	5.49	100.0	83.4
8197.0	12.4	3.1	50.99	5.49	100.0	49.6
8203.0	47.8	0.1	51.00	5.49	100.0	100.0
8204.0	32.3	0.5	51.00	5.49	100.0	100.0
8205.0	28.4	0.6	51.01	5.49	100.0	100.0
8206.0	28.7	0.3	51.01	5.49	100.0	100.0
8207.0	29.0	0.1	51.01	5.49	100.0	100.0
8208.0	42.3	0.1	51.01	5.49	100.0	100.0
8222.0	36.9	0.1	51.03	5.49	100.0	100.0
8223.0	17.5	0.7	51.03	5.49	100.0	100.0
8224.0	22.3	1.2	51.04	5.49	100.0	96.9
8262.0	49.6	0.1	51.10	5.49	100.0	100.0
8263.0	34.3	0.1	51.10	5.49	100.0	100.0
8264.0	49.5	0.1	51.10	5.49	100.0	100.0
8271.0	46.9	0.1	51.11	5.49	100.0	100.0
8272.0	39.6	0.1	51.11	5.49	100.0	100.0
8282.0	40.9	0.1	51.12	5.49	79.7	100.0
8283.0	25.4	2.4	51.14	5.50	43.8	94.1
8284.0	17.0	4.3	51.18	5.52	60.2	51.5
8285.0	12.9	5.9	51.23	5.54	52.4	38.7
8286.0	8.1	7.0	51.30	5.58	51.5	32.5
8287.0	7.1	6.9	51.37	5.60	62.2	31.4
8288.0	7.6	6.6	51.44	5.63	50.8	32.3
8289.0	7.7	7.1	51.51	5.67	50.3	31.3
8290.0	11.7	7.4	51.58	5.71	48.5	31.2
8291.0	13.7	7.0	51.65	5.74	53.6	33.5
8292.0	9.5	7.6	51.72	5.77	62.2	31.4
8293.0	7.0	7.6	51.80	5.80	65.4	31.2
8294.0	7.7	8.1	51.88	5.83	60.9	28.8
8295.0	5.7	8.5	51.97	5.86	70.3	27.9
8296.0	8.1	7.1	52.04	5.87	79.9	33.8
8297.0	10.5	5.6	52.10	5.88	86.1	41.7
8298.0	9.1	5.1	52.15	5.89	92.9	41.7
8299.0	9.8	4.6	52.20	5.90	64.4	37.8
8300.0	12.6	3.8	52.24	5.91	65.6	38.4
8301.0	21.0	2.5	52.27	5.92	54.4	51.8
8302.0	19.0	2.4	52.29	5.93	88.4	44.1

DresserAtlas

CNG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. O/H
8303.0	21.6	1.3	52.31	5.93	72.5	87.8
8304.0	26.9	0.9	52.32	5.93	100.0	100.0
8317.0	33.6	5.6	52.36	5.93	98.8	33.7
8318.0	44.7	5.2	52.44	5.94	100.0	55.4
8372.0	36.5	0.1	52.50	5.94	100.0	100.0
8385.0	49.4	0.1	52.51	5.94	93.4	100.0
8386.0	40.2	0.1	52.51	5.94	100.0	100.0
8387.0	42.0	0.1	52.52	5.94	100.0	100.0
8389.0	47.8	0.1	52.52	5.94	91.4	100.0
8390.0	45.0	0.1	52.52	5.94	87.2	100.0
8391.0	24.8	2.0	52.53	5.94	100.0	78.2
8392.0	23.1	2.0	52.55	5.95	38.2	86.5
8393.0	32.8	1.2	52.57	5.95	61.8	100.0
8394.0	21.8	3.2	52.59	5.97	35.1	59.7
8395.0	13.2	4.2	52.63	5.99	54.9	44.6
8396.0	4.1	5.4	52.68	6.01	59.8	32.2
8397.0	3.4	6.2	52.75	6.04	52.7	27.3
8398.0	5.4	5.8	52.80	6.05	64.5	29.0
8399.0	10.2	5.5	52.86	6.09	44.4	30.5
8400.0	10.2	4.8	52.91	6.11	45.6	35.9
8401.0	8.7	4.9	52.96	6.14	58.7	36.6
8402.0	6.4	5.9	53.01	6.16	63.0	33.0
8403.0	8.1	5.8	53.07	6.18	54.6	35.3
8404.0	8.2	5.7	53.13	6.22	36.0	36.1
8405.0	8.3	6.3	53.19	6.25	32.4	32.3
8406.0	9.5	6.2	53.25	6.30	35.6	32.6
8407.0	8.9	5.6	53.31	6.34	34.0	36.0
8408.0	7.7	5.5	53.37	6.37	42.2	34.8
8409.0	7.6	5.0	53.42	6.40	47.6	35.6
8410.0	7.5	4.1	53.46	6.42	51.4	37.5
8411.0	19.7	2.6	53.49	6.44	40.0	58.4
8412.0	34.0	2.6	53.52	6.44	77.3	86.8
8423.0	46.2	0.1	53.54	6.44	89.1	100.0
8424.0	40.7	0.1	53.54	6.44	100.0	100.0
8425.0	32.7	0.4	53.54	6.44	100.0	100.0
8426.0	34.2	0.1	53.54	6.44	100.0	100.0
8427.0	39.8	0.1	53.54	6.44	100.0	100.0
8428.0	48.4	0.1	53.54	6.44	100.0	100.0
8460.0	37.3	4.3	53.64	6.45	91.4	24.6
8461.0	35.8	4.7	53.69	6.45	83.0	28.2
8484.0	44.2	0.1	53.72	6.46	100.0	100.0
8485.0	28.3	0.7	53.72	6.45	100.0	100.0

DresserAtlas

CNG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. O/H
8502.0	42.4	0.9	53.75	6.46	100.0	100.0
8503.0	21.0	5.3	53.80	6.46	100.0	37.8
8504.0	27.2	3.6	53.84	6.47	53.3	53.0
8505.0	24.1	4.7	53.88	6.49	51.7	40.2
8506.0	12.4	7.4	53.95	6.51	62.1	23.7
8507.0	4.8	8.2	54.03	6.55	46.1	19.4
8508.0	1.8	7.8	54.11	6.60	46.3	17.9
8509.0	3.3	7.0	54.18	6.64	30.2	18.1
8510.0	3.7	7.2	54.26	6.70	25.0	16.3
8511.0	4.5	8.0	54.33	6.75	22.5	14.8
8512.0	3.4	8.4	54.42	6.82	18.5	15.0
8513.0	2.2	8.7	54.50	6.89	27.2	14.3
8514.0	3.3	8.0	54.59	6.95	25.9	14.6
8515.0	4.4	7.3	54.66	7.01	13.3	15.4
8516.0	4.0	7.6	54.73	7.07	15.1	15.2
8517.0	4.7	7.0	54.81	7.14	16.1	16.7
8518.0	3.9	6.6	54.87	7.19	19.1	18.0
8519.0	5.0	6.0	54.93	7.24	22.6	19.2
8520.0	8.8	6.2	55.00	7.29	10.5	18.0
8521.0	12.7	4.7	55.05	7.33	18.0	24.3
8522.0	8.9	3.7	55.09	7.35	72.2	32.2
8523.0	7.3	3.6	55.12	7.35	79.4	32.7
8524.0	3.3	4.6	55.17	7.38	54.1	24.0
8525.0	4.7	4.2	55.21	7.40	43.5	26.1
8526.0	3.0	6.8	55.27	7.44	31.3	15.4
8527.0	6.0	6.4	55.34	7.48	29.9	15.7
8528.0	5.7	6.5	55.40	7.53	29.4	15.2
8529.0	2.4	7.1	55.47	7.57	40.2	14.5
8530.0	2.7	6.9	55.54	7.62	31.1	15.2
8531.0	10.6	6.7	55.61	7.68	12.3	16.2
8532.0	19.8	5.3	55.66	7.72	30.5	24.4
8533.0	8.5	5.2	55.71	7.73	86.1	23.5
8543.0	21.8	2.9	55.77	7.75	100.0	58.8
8544.0	3.9	5.1	55.82	7.75	100.0	21.2
8545.0	12.4	4.2	55.86	7.75	59.4	22.2
8546.0	14.4	4.8	55.91	7.78	44.2	21.1
8547.0	7.0	6.1	55.97	7.80	65.1	17.2
8548.0	5.2	5.4	56.02	7.83	49.6	19.7
8549.0	27.2	1.7	56.05	7.85	48.1	81.2
8550.0	43.0	0.1	56.05	7.85	83.8	100.0
8551.0	19.4	4.8	56.09	7.85	99.4	26.9
8552.0	16.8	6.0	56.15	7.87	52.2	17.7
8553.0	18.2	5.8	56.21	7.91	48.3	18.4
8554.0	42.0	0.1	56.22	7.91	81.7	100.0
8557.0	47.6	0.8	56.23	7.91	100.0	100.0
8558.0	43.4	0.7	56.24	7.91	100.0	100.0
8559.0	48.2	0.1	56.24	7.91	91.9	100.0
8560.0	41.1	0.1	56.24	7.91	100.0	100.0

DeepSeeAtlas

CNG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. O/H
8561.0	49.0	0.1	56.24	7.91	93.0	100.0
8562.0	45.7	0.8	56.25	7.91	91.6	100.0
8563.0	23.6	5.0	56.29	7.92	84.5	24.6
8564.0	14.3	4.1	56.33	7.93	58.5	26.6
8565.0	9.5	4.8	56.38	7.95	67.2	23.0.
8566.0	4.2	4.2	56.42	7.95	98.4	26.1
8567.0	6.6	4.1	56.46	7.97	42.6	24.9
8568.0	6.6	5.8	56.51	8.01	6.6	18.1
8569.0	6.8	8.1	56.59	8.09	6.9	13.5
8570.0	3.4	5.6	56.65	8.13	36.4	20.0
8571.0	1.9	6.1	56.71	8.17	24.2	17.3
8572.0	4.4	9.1	56.79	8.25	5.4	11.3
8573.0	17.3	9.3	56.89	8.33	25.0	14.3
8584.0	36.6	8.0	57.02	8.34	100.0	59.9
8585.0	48.4	4.1	57.08	8.34	100.0	100.0
8588.0	21.2	5.7	57.14	8.34	100.0	27.9
8589.0	17.9	5.2	57.19	8.35	67.2	29.9
8590.0	22.1	4.7	57.23	8.38	35.9	33.2
8591.0	27.0	3.0	57.27	8.40	47.6	50.0
8592.0	44.8	0.8	57.28	8.40	86.8	100.0
8593.0	47.2	0.9	57.29	8.40	90.5	100.0
8594.0	27.6	4.2	57.32	8.42	49.2	30.4
8595.0	24.3	5.1	57.37	8.45	41.1	25.1
8596.0	30.6	4.2	57.42	8.47	56.6	31.3
8597.0	25.0	5.3	57.47	8.49	42.9	25.0
8598.0	16.2	5.9	57.52	8.53	22.6	21.4
8599.0	14.3	5.7	57.58	8.58	18.9	21.0
8600.0	10.8	6.0	57.64	8.63	12.6	20.0
8601.0	8.9	6.7	57.71	8.69	12.8	17.8
8602.0	18.0	5.7	57.77	8.74	26.5	21.7
8603.0	43.5	1.7	57.80	8.75	84.7	82.6
8604.0	49.5	0.8	57.80	8.75	93.6	100.0
8605.0	34.7	1.9	57.82	8.75	66.2	77.1
8606.0	27.4	1.7	57.83	8.76	88.4	82.8
8607.0	6.8	4.6	57.87	8.76	100.0	26.2
8608.0	7.0	5.8	57.93	8.78	42.3	19.2
8609.0	9.4	5.8	57.99	8.83	16.3	19.8
8610.0	9.2	6.3	58.05	8.88	10.2	18.2
8611.0	9.0	6.0	58.11	8.94	9.9	18.8
8612.0	8.5	5.9	58.17	8.98	23.0	19.1
8613.0	5.9	6.2	58.23	9.03	28.4	18.2
8614.0	6.5	6.1	58.29	9.08	21.8	17.8
8615.0	5.5	6.3	58.36	9.12	28.3	16.8
8616.0	5.6	7.0	58.42	9.17	20.3	15.0
8617.0	5.5	8.3	58.50	9.24	14.3	12.3
8618.0	5.2	7.8	58.58	9.31	17.6	12.6
8619.0	5.1	5.5	58.64	9.35	21.2	17.9
8620.0	3.2	3.6	58.69	9.38	62.9	27.9

CMG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. O/H
8621.0	8.0	5.9	58.74	9.42	15.6	18.2
8622.0	12.6	8.9	58.82	9.49	15.7	13.2
8623.0	18.2	6.8	58.90	9.55	27.0	18.9
8624.0	25.8	4.8	58.95	9.58	44.7	28.6
8625.0	23.4	2.9	58.98	9.59	76.7	48.8
8626.0	30.9	1.4	59.00	9.59	57.2	100.0
8627.0	40.8	0.6	59.00	9.60	79.5	100.0
8628.0	25.3	3.0	59.03	9.60	82.6	48.4
8629.0	9.4	9.0	59.11	9.65	29.4	12.3
8630.0	6.2	10.6	59.20	9.73	12.1	9.6
8631.0	6.1	8.9	59.30	9.82	11.5	11.8
8632.0	7.0	8.8	59.39	9.90	12.2	12.2
8633.0	8.5	8.6	59.48	9.97	13.6	13.0
8634.0	8.7	9.0	59.57	10.04	24.6	14.1
8635.0	21.1	9.9	59.66	10.11	33.4	22.2
8636.0	47.6	4.3	59.72	10.13	91.1	84.6
8649.0	37.4	2.6	59.81	10.13	72.5	76.7
8650.0	10.2	5.9	59.87	10.15	67.2	28.1
8651.0	9.4	5.6	59.92	10.18	44.1	30.3
8652.0	15.0	5.9	59.98	10.22	23.3	27.7
8653.0	45.0	3.5	60.03	10.24	87.1	72.2
8690.0	17.6	7.8	60.18	10.24	100.0	28.2
8691.0	13.5	8.5	60.26	10.25	64.1	22.0
8692.0	16.2	7.9	60.34	10.30	50.6	22.7
8693.0	18.4	5.6	60.40	10.33	55.4	35.7
8694.0	14.0	5.8	60.46	10.35	53.4	36.3
8695.0	13.2	5.9	60.52	10.39	31.5	35.8
8696.0	13.3	5.8	60.57	10.43	25.9	36.1
8697.0	11.1	6.1	60.63	10.48	27.2	34.6
8698.0	38.0	0.1	60.66	10.50	73.7	100.0
8744.0	29.5	4.9	60.77	10.50	100.0	52.7
8745.0	26.5	5.9	60.83	10.51	77.1	39.1
8749.0	27.2	4.4	60.87	10.51	80.2	55.4
8750.0	24.6	5.2	60.93	10.54	41.7	41.6
8755.0	30.3	0.1	60.95	10.55	100.0	100.0
8756.0	9.0	2.0	60.97	10.55	100.0	54.5
8757.0	10.0	2.0	60.99	10.55	100.0	48.9
8758.0	12.7	7.1	61.04	10.57	34.7	14.4
8759.0	13.2	9.0	61.13	10.62	50.8	20.9
8760.0	22.2	7.5	61.21	10.63	100.0	64.8
8761.0	45.8	2.5	61.25	10.63	100.0	100.0
8793.0	39.9	0.1	61.29	10.63	100.0	100.0
8804.0	37.4	4.0	61.34	10.63	100.0	60.9

CNG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. O/H
8850.0	34.6	4.6	61.44	10.53	89.9	62.2
8851.0	16.0	8.7	61.53	10.55	74.6	29.3
8852.0	21.9	8.1	61.61	10.58	59.1	28.9
8853.0	39.7	4.2	61.66	10.70	77.2	60.1
8854.0	36.3	4.7	61.70	10.71	70.0	55.6
8855.0	27.8	6.7	61.77	10.74	54.2	36.4
8856.0	31.5	4.8	61.82	10.76	58.5	43.4
8857.0	35.7	5.5	61.88	10.78	68.6	41.0
8899.0	42.5	2.2	61.97	10.78	100.0	100.0
8900.0	39.3	2.1	62.01	10.78	100.0	84.5
8903.0	38.8	0.3	62.01	10.78	100.0	100.0
8904.0	27.8	0.9	62.02	10.78	100.0	100.0
8905.0	16.9	1.4	62.03	10.78	100.0	91.9
8906.0	15.1	1.8	62.05	10.78	100.0	67.3
8907.0	17.2	3.1	62.08	10.80	24.7	45.0
8908.0	21.8	2.4	62.10	10.82	35.0	67.4
8909.0	21.0	3.8	62.14	10.84	33.3	45.1
8910.0	26.4	6.7	62.20	10.88	46.2	25.2
8911.0	28.6	6.0	62.27	10.91	51.5	27.8
8912.0	31.3	4.6	62.32	10.93	58.1	35.3
8913.0	37.3	3.8	62.36	10.94	72.1	44.9
8935.0	36.5	2.5	62.40	10.94	100.0	100.0
8936.0	27.8	1.3	62.41	10.94	100.0	100.0
8937.0	45.0	3.1	62.45	10.95	87.2	75.6
8941.0	21.1	8.2	62.51	10.95	100.0	23.9
8942.0	10.4	9.3	62.60	10.95	97.4	18.3
8943.0	33.3	6.1	62.68	10.98	63.0	58.9
8969.0	43.8	2.3	0.04	0.00	100.0	100.0
8970.0	11.7	6.7	0.10	0.00	100.0	75.0
8971.0	9.2	7.1	0.17	0.00	100.0	48.9
8972.0	49.2	2.1	0.21	0.00	93.2	100.0
8980.0	47.9	0.8	0.22	0.00	100.0	100.0
8982.0	36.1	0.1	0.23	0.00	100.0	100.0
8983.0	17.9	2.2	0.24	0.00	100.0	100.0
8984.0	15.7	6.1	0.29	0.00	100.0	59.4
8985.0	17.8	9.4	0.38	0.00	100.0	54.8
8986.0	14.4	8.1	0.46	0.00	100.0	72.5
8987.0	10.5	6.4	0.53	0.00	100.0	82.6
8988.0	13.1	8.9	0.61	0.00	100.0	49.9
8989.0	19.5	10.0	0.71	0.00	98.1	40.8
8990.0	20.0	9.1	0.81	0.02	81.2	44.3
8991.0	36.3	5.6	0.87	0.03	70.0	70.4

Dresser Atlas

CNG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. O/H
8992.0	30.1	8.1	0.94	0.05	69.3	44.1
8993.0	7.7	11.1	1.05	0.05	100.0	30.2
8994.0	6.4	8.4	1.14	0.05	100.0	40.0
8995.0	8.3	6.1	1.21	0.05	100.0	56.6
8996.0	7.1	5.8	1.27	0.05	100.0	58.3
8997.0	5.5	6.5	1.33	0.05	100.0	50.0
8998.0	10.9	7.6	1.40	0.05	100.0	46.7
8999.0	42.0	4.3	1.45	0.05	95.0	100.0
9000.0	33.9	9.4	1.53	0.05	100.0	74.4
9001.0	27.1	11.3	1.64	0.05	100.0	85.3
9002.0	40.5	7.7	1.73	0.05	100.0	100.0
9008.0	44.9	2.5	1.76	0.05	100.0	100.0
9009.0	35.4	1.2	1.79	0.05	100.0	100.0
9012.0	45.4	0.3	1.79	0.06	100.0	100.0
9013.0	34.5	0.7	1.80	0.05	100.0	100.0
9014.0	37.3	0.1	1.80	0.05	100.0	100.0
9015.0	39.6	2.5	1.82	0.05	77.2	100.0
9016.0	35.5	7.1	1.88	0.08	68.2	45.9
9021.0	46.2	0.4	1.91	0.09	100.0	100.0
9022.0	26.2	2.3	1.93	0.09	100.0	100.0
9023.0	26.7	1.9	1.95	0.09	100.0	100.0
9024.0	26.3	2.4	1.98	0.09	100.0	100.0
9025.0	17.4	4.1	2.01	0.09	100.0	75.2
9026.0	18.8	4.1	2.05	0.09	100.0	74.4
9027.0	17.8	5.3	2.10	0.09	100.0	50.4
9028.0	15.4	5.7	2.16	0.09	100.0	43.7
9029.0	11.8	5.7	2.22	0.09	100.0	47.4
9030.0	8.1	6.5	2.28	0.09	100.0	44.6
9031.0	8.7	6.9	2.35	0.09	100.0	45.4
9032.0	15.2	6.9	2.42	0.09	100.0	44.9
9033.0	21.7	3.3	2.46	0.09	100.0	94.2
9034.0	22.2	3.6	2.49	0.09	100.0	88.0
9035.0	17.9	4.5	2.53	0.09	100.0	73.6
9036.0	9.5	5.8	2.59	0.09	100.0	56.4
9037.0	13.6	4.5	2.64	0.09	100.0	75.1
9038.0	32.8	1.9	2.67	0.09	61.7	100.0
9041.0	46.1	1.3	2.68	0.09	100.0	100.0
9042.0	36.6	5.3	2.74	0.09	100.0	79.8
9065.0	36.5	0.1	2.78	0.09	100.0	100.0
9066.0	30.1	0.8	2.79	0.09	100.0	100.0
9067.0	29.5	1.2	2.80	0.09	100.0	100.0
9068.0	23.3	2.8	2.82	0.09	100.0	100.0
9069.0	13.6	4.0	2.86	0.09	100.0	78.1
9070.0	12.8	4.1	2.90	0.09	100.0	82.9
9071.0	24.8	2.8	2.93	0.09	86.6	100.0

Dresser Atlas

CNG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. D/H
9076.0	42.0	0.8	2.94	0.09	100.0	100.0
9083.0	46.7	4.4	2.97	0.09	100.0	100.0
9084.0	35.5	6.6	3.04	0.09	100.0	100.0
9089.0	47.6	1.3	3.07	0.09	100.0	100.0
9090.0	36.1	4.0	3.11	0.09	89.7	100.0
9091.0	40.0	2.7	3.13	0.10	77.8	100.0
9092.0	38.0	2.9	3.16	0.11	73.7	100.0
9093.0	35.3	4.1	3.20	0.12	70.0	100.0
9094.0	18.1	7.1	3.26	0.13	86.3	62.4
9095.0	13.5	7.6	3.34	0.14	92.8	57.5
9096.0	12.2	7.4	3.41	0.14	97.7	56.4
9097.0	14.8	6.4	3.48	0.14	98.4	59.7
9098.0	19.5	3.9	3.53	0.14	100.0	88.7
9099.0	23.5	3.8	3.57	0.14	97.0	89.9
9105.0	35.8	2.6	3.60	0.14	100.0	100.0
9106.0	32.5	4.0	3.64	0.14	100.0	97.0
9107.0	24.0	4.8	3.69	0.14	100.0	78.6
9108.0	16.2	3.8	3.73	0.14	100.0	83.2
9109.0	10.9	2.8	3.76	0.14	100.0	84.1
9110.0	12.4	1.8	3.78	0.14	100.0	100.0
9111.0	22.0	1.9	3.80	0.14	100.0	100.0
9112.0	19.4	4.9	3.84	0.14	99.8	78.4
9113.0	15.2	7.4	3.91	0.16	69.2	57.6
9114.0	14.0	7.4	3.98	0.19	55.0	60.5
9115.0	15.1	7.0	4.05	0.22	55.4	63.4
9116.0	16.4	6.4	4.12	0.25	74.1	67.3
9117.0	11.4	5.6	4.18	0.25	100.0	71.6
9118.0	2.8	4.4	4.22	0.25	100.0	73.3
9119.0	0.0	3.3	4.26	0.25	100.0	70.9
9120.0	4.0	3.6	4.29	0.25	100.0	79.5
9121.0	16.1	3.4	4.33	0.25	100.0	100.0
9122.0	42.9	3.9	4.36	0.25	83.5	100.0
9129.0	33.0	1.5	4.40	0.26	100.0	100.0
9130.0	30.0	3.0	4.43	0.25	74.5	100.0
9131.0	17.4	5.0	4.48	0.27	86.2	72.6
9132.0	14.0	5.3	4.53	0.27	100.0	71.1
9133.0	23.0	4.3	4.57	0.27	99.5	89.1
9134.0	27.6	3.9	4.61	0.28	80.8	96.6
9135.0	21.3	4.9	4.66	0.28	100.0	73.8
9136.0	25.5	4.8	4.71	0.23	80.5	77.6
9137.0	26.1	5.2	4.76	0.29	82.1	73.6
9138.0	26.7	4.4	4.81	0.30	86.7	90.9
9139.0	21.6	5.0	4.85	0.30	100.0	80.4
9140.0	11.9	5.8	4.91	0.30	100.0	68.8
9141.0	9.5	5.9	4.97	0.30	100.0	65.8

DresserAtlas

CNG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. O/H
9142.0	11.3	5.6	5.02	0.30	100.0	66.4
9143.0	9.1	7.2	5.09	0.30	100.0	50.3
9144.0	9.3	8.3	5.17	0.30	100.0	47.3
9149.0	30.0	2.9	5.23	0.30	100.0	100.0
9150.0	38.4	1.8	5.25	0.31	81.9	100.0
9151.0	49.8	0.7	5.26	0.31	94.0	100.0
9152.0	46.0	1.0	5.27	0.31	88.8	100.0
9153.0	44.0	1.6	5.28	0.31	85.4	100.0
9154.0	19.8	5.7	5.33	0.32	80.8	78.8
9155.0	14.2	5.8	5.39	0.32	99.9	76.4
9156.0	11.6	6.3	5.45	0.32	94.4	69.1
9157.0	11.7	7.7	5.52	0.34	73.9	55.4
9158.0	16.8	5.2	5.58	0.35	79.1	84.2
9159.0	16.4	4.3	5.62	0.35	100.0	99.8
9160.0	15.1	5.2	5.67	0.35	92.3	83.3
9161.0	11.3	5.9	5.73	0.35	93.2	72.5
9162.0	9.4	6.5	5.79	0.37	91.0	66.6
9163.0	12.3	5.5	5.85	0.37	94.9	81.4
9164.0	15.1	5.0	5.90	0.38	82.1	88.0
9165.0	14.9	5.8	5.96	0.39	64.9	74.3
9166.0	16.2	5.0	6.01	0.41	73.2	87.3
9167.0	15.4	4.7	6.06	0.41	94.1	90.3
9168.0	14.9	4.9	6.11	0.42	92.7	86.2
9169.0	13.5	4.7	6.15	0.42	100.0	88.3
9170.0	13.0	4.9	6.20	0.42	100.0	81.5
9171.0	9.3	5.4	6.25	0.42	100.0	71.7
9172.0	6.9	7.8	6.32	0.42	96.1	44.3
9173.0	9.8	7.0	6.40	0.42	100.0	42.8
9174.0	12.6	5.0	6.45	0.42	100.0	62.4
9175.0	12.8	6.1	6.51	0.43	86.4	60.6
9176.0	11.3	6.5	6.58	0.43	100.0	62.0
9177.0	14.1	5.5	6.63	0.43	100.0	76.4
9178.0	15.1	5.6	6.69	0.43	99.4	75.5
9179.0	11.0	6.4	6.75	0.44	96.0	65.1
9180.0	8.3	6.8	6.82	0.44	100.0	60.4
9181.0	9.9	6.6	6.88	0.44	100.0	58.6
9182.0	10.7	6.6	6.95	0.44	100.0	55.6
9183.0	17.1	6.0	7.01	0.44	100.0	84.7
9184.0	46.0	3.8	7.06	0.44	100.0	100.0
9201.0	24.2	1.0	7.09	0.44	100.0	100.0
9202.0	21.4	0.3	7.10	0.44	100.0	100.0
9203.0	26.4	0.8	7.10	0.44	100.0	100.0
9204.0	44.1	0.9	7.11	0.44	85.7	100.0
9205.0	32.9	2.5	7.13	0.44	100.0	100.0
9206.0	20.1	3.0	7.16	0.44	100.0	100.0
9207.0	14.1	4.1	7.20	0.44	100.0	78.0
9208.0	11.9	3.9	7.24	0.44	100.0	84.1
9209.0	15.1	3.5	7.27	0.44	100.0	95.9

CNS PRODUCING COMPANY R.3.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. O/H
9210.0	14.5	3.9	7.31	0.44	100.0	86.8
9211.0	19.9	3.4	7.35	0.44	100.0	100.0
9212.0	22.5	3.7	7.38	0.44	96.6	91.5
9213.0	15.7	4.1	7.42	0.44	100.0	82.5
9214.0	11.9	5.4	7.47	0.44	91.6	60.4
9215.0	15.6	5.4	7.53	0.46	59.5	58.8
9216.0	18.0	4.9	7.58	0.47	91.5	63.7
9217.0	36.6	1.3	7.61	0.47	70.6	100.0
9220.0	43.1	2.9	7.62	0.47	100.0	100.0
9221.0	49.3	1.2	7.64	0.47	93.9	100.0
9234.0	40.8	4.3	7.69	0.47	100.0	89.2
9266.0	47.9	0.1	7.73	0.47	100.0	100.0
9267.0	44.6	0.8	7.74	0.48	86.5	100.0
9268.0	29.9	4.3	7.77	0.48	75.6	84.2
9269.0	15.8	7.6	7.84	0.50	74.4	39.8
9270.0	12.6	8.7	7.92	0.53	59.4	33.1
9271.0	11.2	8.6	8.01	0.56	70.1	32.8
9272.0	11.9	8.3	8.09	0.58	70.4	33.8
9273.0	11.4	7.7	8.17	0.60	89.8	37.2
9274.0	10.5	6.5	8.24	0.60	100.0	45.1
9275.0	30.4	2.9	8.28	0.60	100.0	100.0
9281.0	41.9	0.1	8.29	0.60	100.0	100.0
9283.0	45.3	0.1	8.29	0.60	100.0	100.0
9284.0	33.0	0.1	8.29	0.60	100.0	100.0
9292.0	39.5	0.7	8.30	0.60	100.0	100.0
9293.0	49.4	0.8	8.31	0.60	95.9	100.0
9305.0	39.6	2.9	8.34	0.60	100.0	100.0
9306.0	45.9	1.7	8.37	0.60	100.0	100.0
9311.0	39.3	0.1	8.37	0.60	100.0	100.0
9312.0	46.3	0.1	8.38	0.60	89.2	100.0
9340.0	35.7	7.8	8.46	0.60	100.0	73.7
9356.0	22.3	5.6	8.56	0.60	100.0	62.8
9357.0	21.7	6.5	8.62	0.60	98.7	50.7
9358.0	20.9	5.7	8.68	0.60	100.0	56.9
9359.0	23.3	5.1	8.73	0.60	100.0	63.9
9360.0	17.0	6.1	8.79	0.60	100.0	52.3
9361.0	17.9	5.3	8.85	0.60	100.0	59.9
9362.0	25.5	4.7	8.90	0.60	97.3	66.5
9363.0	43.4	1.8	8.92	0.60	84.5	100.0

DesertAtlas

CNG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. O/H
9365.0	40.4	4.8	8.96	0.60	100.0	92.0
9382.0	28.1	0.8	8.99	0.60	100.0	100.0
9383.0	24.5	2.0	9.00	0.60	100.0	100.0
9384.0	37.9	3.2	9.04	0.60	100.0	100.0
9404.0	29.8	1.5	9.08	0.60	100.0	100.0
9405.0	49.5	0.1	9.09	0.60	100.0	100.0
9414.0	37.3	2.8	9.12	0.60	100.0	100.0
9415.0	25.7	4.6	9.16	0.60	100.0	83.7
9416.0	17.2	5.4	9.21	0.60	100.0	67.5
9417.0	14.3	5.1	9.26	0.60	100.0	66.9
9418.0	23.1	3.8	9.31	0.60	100.0	100.0
9432.0	21.0	3.6	9.36	0.60	100.0	100.0
9433.0	15.2	5.0	9.41	0.60	100.0	70.1
9434.0	21.1	5.6	9.46	0.60	100.0	60.8
9435.0	26.1	5.1	9.51	0.60	100.0	69.4
9436.0	16.5	6.0	9.57	0.60	100.0	56.7
9437.0	14.1	6.2	9.63	0.60	100.0	50.2
9438.0	15.5	6.8	9.70	0.60	100.0	45.9
9439.0	15.1	6.4	9.77	0.60	100.0	52.3
9440.0	15.3	6.0	9.83	0.60	100.0	56.6
9441.0	11.6	5.9	9.89	0.60	100.0	57.8
9442.0	11.0	5.6	9.94	0.60	100.0	60.3
9443.0	14.0	5.4	10.00	0.60	100.0	63.2
9444.0	17.9	4.6	10.04	0.60	100.0	77.1
9445.0	16.8	3.1	10.08	0.60	100.0	100.0
9446.0	28.1	1.9	10.10	0.60	100.0	100.0
9457.0	47.3	0.1	10.11	0.60	100.0	100.0
9464.0	39.8	1.1	10.13	0.60	100.0	100.0
9465.0	35.1	3.9	10.16	0.60	100.0	100.0
9510.0	46.3	1.0	10.22	0.60	100.0	100.0
9511.0	29.5	3.4	10.24	0.60	100.0	89.1
9512.0	36.0	3.3	10.28	0.60	100.0	100.0
9528.0	22.3	3.0	10.32	0.60	100.0	100.0
9529.0	13.8	6.7	10.38	0.60	100.0	65.7
9530.0	14.5	8.9	10.46	0.60	100.0	50.3
9531.0	16.1	7.5	10.54	0.60	100.0	61.0
9532.0	16.5	5.8	10.60	0.60	100.0	80.7
9533.0	16.8	5.4	10.66	0.60	100.0	91.1
9534.0	29.9	4.6	10.71	0.60	96.5	100.0
9535.0	28.1	6.6	10.76	0.60	100.0	67.3
9536.0	41.4	4.0	10.82	0.51	84.6	100.0

Dresser Atlas

CNG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. O/H
9548.0	48.0	2.6	10.84	0.61	100.0	100.0
9584.0	23.0	2.4	10.90	0.61	100.0	100.0
9585.0	11.3	4.8	10.94	0.61	100.0	87.4
9586.0	12.7	4.9	10.99	0.61	100.0	88.6
9587.0	12.1	5.4	11.05	0.61	100.0	81.4
9588.0	12.0	5.7	11.10	0.61	100.0	79.7
9589.0	15.9	5.1	11.16	0.61	100.0	93.1
9590.0	14.3	6.0	11.21	0.61	100.0	78.6
9591.0	8.8	7.5	11.28	0.61	100.0	59.9
9592.0	13.7	6.4	11.35	0.61	100.0	57.8
9593.0	16.9	4.7	11.40	0.61	100.0	92.9
9594.0	16.0	4.7	11.45	0.61	100.0	89.6
9595.0	19.6	5.0	11.50	0.61	100.0	81.3
9596.0	14.5	5.5	11.55	0.61	100.0	74.9
9597.0	11.8	6.1	11.61	0.61	100.0	71.2
9598.0	10.2	7.1	11.68	0.61	100.0	64.4
9599.0	11.5	7.4	11.75	0.61	100.0	64.8
9600.0	16.2	6.4	11.82	0.61	100.0	73.1
9601.0	18.9	5.0	11.87	0.61	100.0	86.4
9602.0	22.0	5.4	11.93	0.61	100.0	79.3
9603.0	44.1	1.6	11.96	0.61	100.0	100.0
9618.0	39.0	4.9	12.00	0.61	100.0	100.0
9631.0	30.1	4.5	12.06	0.61	100.0	72.2
9632.0	20.7	2.1	12.08	0.61	100.0	100.0
9633.0	11.6	2.8	12.11	0.61	100.0	100.0
9634.0	16.6	3.1	12.14	0.61	100.0	92.1
9635.0	23.6	2.6	12.17	0.61	100.0	100.0
9638.0	22.7	2.3	12.19	0.61	100.0	100.0
9639.0	7.1	3.2	12.22	0.61	100.0	100.0
9640.0	6.1	3.6	12.26	0.61	100.0	92.7
9641.0	4.6	4.2	12.30	0.61	100.0	75.9
9642.0	9.0	3.4	12.33	0.61	100.0	81.9
9643.0	6.6	3.1	12.37	0.61	100.0	75.0
9644.0	7.7	3.3	12.40	0.61	100.0	78.9
9645.0	13.7	3.6	12.43	0.61	100.0	97.9
9646.0	13.5	5.3	12.48	0.61	100.0	79.1
9647.0	8.5	7.7	12.55	0.61	100.0	61.0
9648.0	4.4	8.8	12.64	0.61	100.0	54.8
9649.0	5.7	8.2	12.72	0.61	100.0	56.1
9650.0	10.4	6.3	12.79	0.61	100.0	60.5
9651.0	10.3	5.7	12.85	0.61	100.0	63.4
9652.0	9.3	6.8	12.91	0.61	100.0	57.4
9653.0	6.4	7.5	12.99	0.61	100.0	54.9
9654.0	11.1	6.7	13.05	0.61	100.0	63.5
9655.0	10.9	7.7	13.13	0.61	100.0	59.5
9656.0	9.6	9.2	13.22	0.61	100.0	53.4

Dresser Atlas

CNG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. O/H
9657.0	8.6	9.4	13.31	0.61	100.0	51.7
9658.0	11.2	8.7	13.40	0.61	100.0	53.3
9659.0	21.8	7.3	13.48	0.61	100.0	60.8
9660.0	17.8	6.7	13.55	0.61	100.0	63.1
9661.0	8.3	6.6	13.61	0.61	100.0	62.6
9662.0	6.9	7.6	13.68	0.61	100.0	62.6
9663.0	46.0	3.7	13.74	0.61	100.0	100.0
9670.0	37.8	1.1	13.75	0.61	100.0	100.0
9707.0	48.8	2.4	13.81	0.61	98.8	100.0
9731.0	49.0	1.2	13.86	0.61	97.4	100.0
9732.0	39.2	2.8	13.88	0.61	100.0	100.0
9733.0	37.5	2.7	13.91	0.61	98.8	100.0
9734.0	35.0	3.5	13.94	0.61	100.0	100.0
9735.0	36.9	2.9	13.98	0.61	100.0	100.0
9736.0	44.1	1.7	13.99	0.61	100.0	100.0
9737.0	44.9	1.4	14.01	0.61	100.0	100.0
9738.0	49.9	0.7	14.02	0.61	100.0	100.0
9739.0	37.4	2.0	14.03	0.61	100.0	100.0
9740.0	34.0	2.8	14.06	0.61	100.0	100.0
9741.0	38.5	1.8	14.08	0.61	100.0	100.0
9742.0	36.1	2.2	14.10	0.61	100.0	100.0
9743.0	35.1	2.4	14.13	0.61	100.0	100.0
9744.0	29.9	3.3	14.16	0.61	100.0	100.0
9745.0	31.4	3.0	14.19	0.61	100.0	100.0
9746.0	29.2	3.5	14.22	0.61	100.0	100.0
9747.0	24.9	4.9	14.27	0.61	100.0	100.0
9748.0	24.8	5.4	14.32	0.61	100.0	100.0
9749.0	35.7	4.1	14.37	0.61	99.7	100.0
9750.0	38.6	3.9	14.41	0.61	100.0	100.0
9754.0	41.3	1.4	14.43	0.61	95.5	100.0
9755.0	26.7	4.1	14.47	0.61	100.0	100.0
9756.0	30.6	5.4	14.52	0.61	100.0	100.0
9757.0	32.8	5.2	14.57	0.61	100.0	100.0
9758.0	34.7	3.7	14.61	0.61	100.0	100.0
9759.0	33.3	3.9	14.65	0.61	100.0	100.0
9760.0	34.8	4.0	14.69	0.61	97.3	100.0
9761.0	30.3	4.5	14.73	0.61	100.0	100.0
9762.0	43.2	2.5	14.77	0.61	100.0	100.0
9766.0	29.7	4.4	14.81	0.61	100.0	100.0
9767.0	23.6	6.2	14.87	0.61	100.0	92.4
9768.0	27.5	6.1	14.93	0.61	100.0	96.1
9769.0	33.1	4.9	14.98	0.61	100.0	100.0
9770.0	31.6	4.7	15.03	0.61	100.0	100.0
9771.0	32.9	4.4	15.07	0.61	100.0	100.0
9772.0	29.8	4.6	15.12	0.61	100.0	100.0

CNG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. O/H
9773.0	32.8	4.1	15.16	0.61	100.0	100.0
9774.0	44.6	1.9	15.19	0.62	86.5	100.0
9775.0	40.0	2.5	15.21	0.62	91.7	100.0
9776.0	40.2	2.6	15.24	0.62	96.6	100.0
9777.0	36.3	3.2	15.27	0.62	93.9	100.0
9778.0	35.1	4.4	15.31	0.62	89.8	100.0
9779.0	32.5	5.4	15.36	0.63	97.6	97.5
9780.0	31.5	5.4	15.41	0.63	100.0	96.1
9781.0	36.2	4.4	15.46	0.63	88.5	100.0
9782.0	29.5	6.3	15.52	0.64	77.3	84.8
9783.0	20.0	7.2	15.59	0.65	99.2	69.8
9784.0	16.9	6.6	15.66	0.65	100.0	70.5
9785.0	18.3	5.7	15.71	0.65	100.0	81.5
9786.0	27.4	4.4	15.76	0.65	100.0	100.0
9787.0	32.5	3.5	15.80	0.65	93.0	100.0
9788.0	17.6	5.5	15.85	0.65	100.0	80.1
9789.0	14.2	6.3	15.91	0.65	100.0	71.2
9790.0	16.1	7.0	15.98	0.65	100.0	61.9
9791.0	26.1	5.4	16.04	0.65	100.0	70.2
9792.0	25.1	4.6	16.09	0.65	100.0	54.3
9793.0	20.9	3.9	16.13	0.65	100.0	75.2
9794.0	13.7	5.4	16.17	0.65	100.0	70.1
9795.0	16.5	7.6	16.24	0.65	99.7	56.3
9796.0	24.6	7.9	16.32	0.65	100.0	65.5
9799.0	37.5	5.5	16.43	0.65	91.4	100.0
9800.0	35.8	6.2	16.49	0.65	99.2	92.0
9804.0	48.7	2.8	16.54	0.66	92.6	100.0
9805.0	35.5	5.9	16.60	0.67	77.2	92.2
9806.0	30.4	7.0	16.67	0.68	80.5	75.1
9807.0	27.9	7.3	16.74	0.69	88.4	64.5
9808.0	32.0	4.2	16.79	0.70	91.4	91.4
9809.0	30.4	1.4	16.81	0.70	100.0	100.0
9810.0	34.1	1.3	16.82	0.70	100.0	100.0
9811.0	41.7	2.2	16.84	0.70	81.2	100.0
9812.0	41.6	3.6	16.88	0.71	81.1	100.0
9813.0	34.8	5.6	16.93	0.72	74.1	93.4
9814.0	22.9	8.4	17.00	0.73	85.2	61.3
9815.0	24.4	7.8	17.09	0.75	81.6	65.5
9816.0	21.5	8.3	17.16	0.76	77.9	57.7
9817.0	16.7	8.9	17.25	0.78	87.5	50.3
9818.0	18.4	8.6	17.34	0.79	79.5	50.2
9819.0	14.3	8.5	17.43	0.80	95.2	49.3
9820.0	16.5	7.8	17.51	0.80	93.9	52.7
9821.0	25.5	6.3	17.57	0.81	93.0	65.5
9822.0	29.7	4.9	17.62	0.81	100.0	83.8
9823.0	38.4	2.3	17.66	0.81	100.0	100.0
9824.0	32.8	3.3	17.68	0.81	80.4	100.0
9825.0	17.1	5.8	17.74	0.81	100.0	74.2

CNG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. O/H
9826.0	22.5	5.3	17.79	0.81	100.0	90.9
9827.0	39.1	2.3	17.82	0.82	82.1	100.0
9828.0	26.8	4.5	17.86	0.83	79.7	100.0
9829.0	20.9	6.3	17.92	0.83	99.9	84.1
9830.0	27.5	5.9	17.98	0.84	79.1	100.0
9831.0	22.6	5.6	18.04	0.84	96.6	100.0
9832.0	21.5	6.1	18.10	0.84	100.0	86.0
9833.0	21.3	6.5	18.16	0.85	86.8	74.1
9834.0	15.3	6.1	18.22	0.85	100.0	72.4
9835.0	16.4	4.9	18.27	0.85	100.0	87.2
9836.0	13.9	5.2	18.32	0.85	100.0	78.1
9837.0	13.2	6.1	18.38	0.85	100.0	63.8
9838.0	16.6	5.9	18.44	0.85	100.0	68.1
9839.0	15.7	5.8	18.50	0.85	100.0	70.1
9840.0	12.2	6.4	18.56	0.85	100.0	60.1
9841.0	11.4	6.1	18.63	0.85	100.0	58.7
9842.0	12.1	6.4	18.69	0.85	100.0	65.0
9843.0	30.8	4.7	18.74	0.85	100.0	100.0
9844.0	47.8	1.3	18.76	0.85	91.4	100.0
9845.0	15.5	5.2	18.80	0.85	100.0	84.9
9846.0	12.2	5.7	18.86	0.85	100.0	81.6
9847.0	20.9	5.3	18.91	0.85	100.0	87.9
9848.0	16.7	5.8	18.97	0.85	100.0	76.1
9849.0	23.8	5.2	19.02	0.85	100.0	79.8
9850.0	44.8	1.7	19.05	0.85	100.0	100.0
9851.0	41.2	1.6	19.06	0.85	100.0	100.0
9852.0	33.4	2.9	19.09	0.85	100.0	100.0
9853.0	42.1	2.3	19.12	0.85	100.0	100.0
9855.0	27.4	4.7	19.16	0.85	100.0	100.0
9856.0	13.5	6.6	19.22	0.85	100.0	74.7
9857.0	16.2	6.0	19.29	0.85	100.0	81.2
9858.0	24.6	4.7	19.34	0.85	90.1	100.0
9859.0	14.5	6.4	19.39	0.85	100.0	76.0
9860.0	11.9	6.4	19.46	0.85	100.0	66.8
9861.0	19.7	4.4	19.51	0.85	100.0	83.0
9862.0	14.6	4.5	19.55	0.86	100.0	86.2
9863.0	14.2	5.0	19.60	0.86	100.0	93.1
9864.0	19.1	4.9	19.65	0.86	100.0	100.0
9865.0	17.0	4.9	19.70	0.86	100.0	100.0
9866.0	11.3	5.3	19.75	0.86	100.0	100.0
9867.0	10.1	6.0	19.81	0.86	100.0	87.2
9868.0	12.4	6.9	19.88	0.86	100.0	76.1
9869.0	21.7	6.5	19.94	0.86	100.0	83.5
9870.0	27.0	5.9	20.00	0.86	100.0	89.6
9871.0	15.5	7.9	20.08	0.86	100.0	61.9
9872.0	14.8	7.2	20.15	0.86	100.0	65.8
9873.0	30.7	4.6	20.21	0.86	100.0	100.0
9874.0	28.6	4.9	20.25	0.86	99.4	100.0
9875.0	16.8	6.1	20.31	0.86	100.0	85.1

CNG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. O/H
9876.0	13.2	6.6	20.37	0.86	100.0	75.1
9877.0	15.8	6.0	20.44	0.86	100.0	74.0
9878.0	18.5	4.8	20.49	0.86	100.0	83.5
9879.0	6.9	5.2	20.54	0.86	100.0	72.5
9880.0	5.3	5.5	20.59	0.86	100.0	66.1
9881.0	7.7	5.2	20.64	0.86	100.0	72.4
9882.0	4.5	5.4	20.70	0.86	100.0	74.9
9883.0	3.8	6.5	20.76	0.86	100.0	63.5
9884.0	4.8	6.2	20.82	0.86	100.0	60.7
9885.0	5.7	5.9	20.88	0.86	100.0	57.9
9886.0	10.0	5.0	20.94	0.86	100.0	66.2
9887.0	18.4	3.3	20.97	0.86	100.0	100.0
9888.0	17.7	3.5	21.01	0.86	100.0	100.0
9889.0	15.1	3.9	21.05	0.86	100.0	100.0
9890.0	26.9	2.8	21.08	0.86	100.0	100.0
9891.0	21.4	3.9	21.11	0.86	100.0	100.0
9892.0	20.2	3.9	21.15	0.86	100.0	100.0
9893.0	24.3	3.6	21.19	0.86	100.0	100.0
9894.0	14.7	3.2	21.22	0.86	100.0	94.8
9895.0	10.7	2.7	21.25	0.86	100.0	100.0
9896.0	10.9	2.9	21.28	0.86	100.0	100.0
9897.0	12.1	4.1	21.32	0.86	100.0	100.0
9898.0	14.5	5.5	21.37	0.86	100.0	95.3
9899.0	18.1	5.9	21.43	0.86	100.0	90.7
9900.0	21.9	5.6	21.48	0.86	100.0	97.9
9901.0	24.4	5.5	21.54	0.86	100.0	95.6
9902.0	19.3	6.0	21.60	0.86	100.0	77.5
9903.0	18.8	5.8	21.65	0.86	100.0	76.9
9904.0	22.8	5.4	21.71	0.86	100.0	90.2
9920.0	48.7	0.1	21.75	0.86	100.0	100.0
9921.0	46.8	0.1	21.75	0.86	100.0	100.0
9941.0	44.3	0.9	21.77	0.86	100.0	100.0
9942.0	47.0	1.1	21.78	0.86	100.0	100.0
9943.0	39.1	1.9	21.80	0.86	100.0	100.0
9944.0	34.0	2.9	21.83	0.86	100.0	100.0
9945.0	30.4	4.9	21.87	0.86	100.0	87.1
9946.0	44.5	2.9	21.91	0.86	100.0	100.0
9953.0	40.6	1.1	21.92	0.86	100.0	100.0
9954.0	38.7	1.7	21.94	0.86	100.0	100.0
9955.0	38.0	2.9	21.97	0.86	77.3	100.0
9956.0	33.0	4.4	22.01	0.87	77.9	84.3
9957.0	24.3	4.0	22.05	0.87	100.0	79.0
9958.0	19.0	2.8	22.08	0.87	100.0	98.9
9959.0	15.5	4.2	22.12	0.87	100.0	72.1
9960.0	21.6	4.5	22.16	0.87	100.0	79.3
9961.0	24.9	5.3	22.21	0.87	100.0	71.3
9962.0	22.8	7.3	22.28	0.87	100.0	52.7

CNG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. O/H
9963.0	20.9	8.3	22.36	0.87	100.0	46.3
9964.0	20.8	7.9	22.44	0.87	100.0	53.1
9965.0	29.3	6.1	22.51	0.87	100.0	91.5
9983.0	47.4	1.7	22.57	0.87	100.0	100.0
9984.0	37.1	2.4	22.60	0.87	100.0	100.0
9985.0	31.9	2.1	22.62	0.87	100.0	100.0
9986.0	26.7	2.8	22.64	0.87	100.0	100.0
9987.0	21.5	3.5	22.68	0.87	100.0	85.5
9988.0	27.3	2.6	22.71	0.87	100.0	100.0
9997.0	40.0	2.4	22.74	0.87	100.0	100.0
9998.0	31.3	2.7	22.77	0.87	100.0	100.0
9999.0	38.2	2.1	22.80	0.87	100.0	100.0
10000.0	38.3	2.2	22.82	0.87	96.2	100.0
10001.0	22.4	3.3	22.85	0.87	100.0	86.0
10002.0	9.4	4.2	22.88	0.87	100.0	58.9
10003.0	3.2	5.7	22.94	0.87	100.0	45.4
10004.0	11.1	5.4	23.00	0.87	100.0	56.3
10017.0	44.6	1.5	23.09	0.88	100.0	100.0
10018.0	32.1	2.2	23.11	0.89	100.0	100.0
10058.0	46.9	0.1	23.16	0.88	100.0	100.0
10059.0	49.0	0.1	23.16	0.88	93.0	100.0
10063.0	35.7	0.9	23.16	0.88	100.0	100.0
10064.0	26.1	1.9	23.18	0.88	100.0	100.0
10065.0	37.1	1.2	23.20	0.88	71.7	100.0
10085.0	45.3	0.1	23.23	0.88	87.6	100.0
10086.0	23.0	1.4	23.24	0.88	100.0	100.0
10087.0	30.3	3.5	23.27	0.90	55.6	70.1
10088.0	46.3	0.1	23.27	0.90	89.2	100.0
10089.0	17.9	5.3	23.31	0.91	57.5	52.2
10090.0	10.8	8.2	23.39	0.98	12.7	25.1
10091.0	10.5	6.5	23.46	1.04	12.1	28.2
10092.0	10.5	7.0	23.53	1.09	18.3	24.5
10093.0	13.7	7.2	23.60	1.15	17.8	23.2
10094.0	14.3	6.8	23.67	1.21	18.9	25.6
10095.0	14.4	6.6	23.74	1.26	19.0	28.3
10096.0	10.8	5.6	23.80	1.31	12.7	33.4
10097.0	10.7	5.2	23.85	1.36	12.4	33.9
10098.0	13.9	7.1	23.92	1.41	18.2	24.0
10099.0	24.5	5.6	23.98	1.46	41.6	32.1
10100.0	30.4	1.9	24.01	1.47	56.0	100.0
10101.0	33.9	0.6	24.01	1.47	64.3	100.0
10112.0	32.8	3.0	24.05	1.48	61.8	100.0
10113.0	34.9	3.2	24.08	1.49	66.7	100.0

Dresser Atlas

CNG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. O/H
10114.0	32.2	5.1	24.13	1.51	60.3	100.0
10115.0	41.0	3.2	24.17	1.52	79.8	100.0
10118.0	28.3	3.9	24.20	1.53	50.9	78.0
10119.0	20.4	6.3	24.26	1.57	31.8	31.9
10120.0	28.9	5.3	24.32	1.60	52.4	47.5
10121.0	27.8	5.8	24.37	1.63	49.6	54.5
10122.0	27.5	6.0	24.43	1.66	49.0	52.6
10123.0	33.6	5.4	24.49	1.68	63.6	52.9
10124.0	49.8	1.8	24.52	1.69	93.9	100.0
10125.0	44.5	2.1	24.53	1.69	86.4	100.0
10126.0	34.9	3.4	24.57	1.70	66.8	80.1
10127.0	46.2	0.9	24.58	1.70	89.1	100.0
10129.0	33.0	4.6	24.62	1.71	62.2	60.2
10130.0	15.9	8.3	24.69	1.76	36.4	25.1
10131.0	22.1	6.7	24.77	1.81	35.8	28.0
10155.0	44.5	0.1	24.81	1.81	86.3	100.0
10156.0	43.5	0.1	24.81	1.81	84.5	100.0
10157.0	40.1	0.1	24.81	1.81	78.2	100.0
10158.0	41.7	0.1	24.81	1.81	81.3	100.0
10159.0	40.5	0.1	24.81	1.82	78.9	100.0
10160.0	40.7	0.1	24.81	1.82	79.3	100.0
10161.0	32.6	1.1	24.82	1.82	61.4	100.0
10162.0	39.7	1.5	24.84	1.82	77.3	100.0
10163.0	32.8	1.6	24.85	1.83	61.7	100.0
10164.0	23.2	2.5	24.88	1.84	41.5	83.5
10165.0	13.2	4.3	24.91	1.85	40.4	42.4
10166.0	5.6	7.2	24.98	1.90	32.7	20.2
10167.0	10.7	9.0	25.05	1.98	12.4	15.0
10168.0	4.7	9.3	25.16	2.05	22.2	15.9
10169.0	1.4	9.2	25.25	2.14	10.9	12.7
10170.0	2.4	9.4	25.34	2.23	2.4	9.7
10171.0	1.9	8.8	25.43	2.29	32.3	11.6
10172.0	13.5	9.1	25.52	2.36	17.5	16.8
10179.0	43.6	0.1	25.56	2.38	84.7	100.0
10180.0	29.8	1.0	25.57	2.38	54.6	100.0
10181.0	19.2	2.9	25.59	2.38	96.5	75.7
10182.0	10.1	3.9	25.63	2.38	100.0	46.7
10183.0	11.9	3.5	25.67	2.38	88.1	49.3
10184.0	18.7	3.5	25.70	2.41	51.7	53.4
10185.0	9.2	3.1	25.73	2.41	100.0	62.7
10186.0	39.4	2.7	25.76	2.42	76.6	100.0
10200.0	39.0	1.5	25.79	2.42	75.8	100.0
10201.0	30.0	2.8	25.81	2.43	55.0	88.0
10202.0	23.2	3.8	25.85	2.45	52.0	53.2
10203.0	18.0	4.7	25.89	2.47	43.2	40.2

DresserAtlas

CNG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. O/H
10204.0	19.8	4.7	25.94	2.50	30.4	42.1
10205.0	23.5	4.5	25.99	2.53	39.1	49.8
10206.0	33.1	1.4	26.01	2.54	62.5	100.0
10225.0	42.2	2.7	26.05	2.55	82.1	94.0
10226.0	33.6	1.5	26.07	2.55	63.8	100.0
10227.0	32.4	0.1	26.07	2.55	60.8	100.0
10228.0	37.6	1.3	26.08	2.56	72.8	100.0
10229.0	27.5	4.4	26.11	2.57	48.9	52.8
10230.0	19.6	5.6	26.17	2.60	48.8	35.1
10231.0	19.3	6.4	26.23	2.64	29.3	27.7
10232.0	16.7	8.1	26.31	2.70	23.6	21.3
10233.0	16.8	7.6	26.39	2.76	23.9	23.0
10234.0	20.4	7.3	26.46	2.81	31.9	27.9
10235.0	33.2	4.4	26.51	2.84	62.7	57.7
10236.0	33.0	2.5	26.54	2.85	62.2	100.0
10237.0	24.1	3.0	26.57	2.85	89.2	74.5
10238.0	21.4	3.1	26.60	2.86	56.4	67.3
10239.0	23.5	3.9	26.64	2.89	39.2	58.6
10240.0	38.0	2.3	26.67	2.90	73.8	100.0
10246.0	41.9	1.1	26.70	2.90	81.7	100.0
10253.0	33.5	1.6	26.71	2.90	63.4	100.0
10254.0	39.3	1.6	26.73	2.91	76.5	100.0
10256.0	38.6	2.3	26.75	2.91	75.0	83.6
10257.0	23.9	4.8	26.79	2.94	40.0	35.1
10258.0	24.5	3.2	26.83	2.96	41.6	57.7
10259.0	23.7	2.2	26.85	2.97	40.5	83.5
10260.0	27.2	2.1	26.87	2.98	48.1	77.6
10261.0	19.5	3.3	26.90	3.00	62.2	42.1
10262.0	11.9	4.2	26.94	3.00	83.7	46.9
10263.0	26.1	3.7	26.98	3.02	45.5	83.4
10267.0	45.3	3.3	27.01	3.03	99.4	100.0
10268.0	20.1	5.7	27.07	3.03	100.0	46.1
10269.0	21.2	4.3	27.12	3.03	68.8	54.0
10270.0	29.5	3.7	27.16	3.05	53.8	57.6
10271.0	21.2	5.2	27.20	3.09	33.6	32.8
10272.0	12.4	6.6	27.27	3.12	40.5	64.1
10273.0	19.5	5.8	27.33	3.16	29.8	84.8
10296.0	43.9	1.2	27.37	3.17	85.3	100.0
10297.0	33.5	2.1	27.39	3.17	63.6	100.0
10298.0	31.7	2.3	27.41	3.18	59.1	100.0
10299.0	29.5	2.9	27.44	3.19	53.8	83.1
10300.0	21.9	3.9	27.48	3.21	60.0	53.5
10301.0	18.6	4.2	27.52	3.23	48.4	48.3
10302.0	21.1	3.8	27.56	3.26	33.4	53.6

Desert Atlas

CNG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. O/H
10303.0	19.7	3.9	27.60	3.28	33.9	55.4
10304.0	29.2	3.9	27.64	3.30	53.0	73.0
10350.0	42.4	0.9	27.74	3.31	82.6	100.0
10357.0	31.8	0.5	27.75	3.31	100.0	100.0
10358.0	44.8	0.5	27.76	3.31	86.8	100.0
10361.0	44.8	1.7	27.77	3.31	86.9	100.0
10362.0	18.6	7.9	27.84	3.35	36.8	22.6
10363.0	8.4	9.6	27.93	3.40	34.2	13.3
10364.0	8.6	9.8	28.03	3.47	29.4	12.4
10365.0	7.4	9.2	28.12	3.53	40.5	14.8
10366.0	12.5	8.8	28.21	3.60	15.5	18.9
10367.0	15.2	7.9	28.29	3.65	37.2	21.9
10368.0	7.7	3.5	28.34	3.66	100.0	40.4
10369.0	4.7	1.5	28.35	3.66	100.0	63.9
10370.0	4.9	2.2	28.37	3.66	100.0	54.3
10371.0	4.0	4.0	28.41	3.65	100.0	33.1
10372.0	5.9	5.6	28.46	3.68	49.2	24.9
10373.0	18.4	4.9	28.51	3.72	27.3	55.5
10386.0	49.5	1.0	28.55	3.73	93.7	100.0
10387.0	28.5	4.8	28.59	3.74	51.7	60.4
10388.0	18.7	6.5	28.65	3.78	36.3	35.6
10389.0	17.7	7.2	28.72	3.83	31.6	28.8
10390.0	16.3	7.8	28.80	3.88	25.2	24.8
10391.0	9.4	8.1	28.88	3.92	69.7	21.5
10392.0	5.9	7.9	28.96	3.94	64.5	18.2
10393.0	10.9	8.6	29.04	3.99	30.2	18.3
10394.0	39.8	4.8	29.11	4.02	77.4	59.1
10397.0	45.5	0.5	29.12	4.02	87.9	100.0
10398.0	27.2	1.1	29.13	4.02	100.0	100.0
10399.0	20.3	1.6	29.14	4.02	100.0	100.0
10400.0	13.7	3.3	29.17	4.02	100.0	60.5
10401.0	9.2	4.6	29.21	4.02	100.0	40.6
10402.0	10.0	4.9	29.26	4.02	100.0	29.8
10403.0	13.2	4.5	29.31	4.04	56.1	32.1
10404.0	21.3	3.7	29.35	4.05	34.0	43.2
10405.0	32.4	2.9	29.38	4.08	60.9	74.8
10437.0	32.8	1.8	29.48	4.08	100.0	100.0
10438.0	34.1	1.9	29.50	4.08	100.0	100.0
10439.0	39.6	1.1	29.52	4.08	77.0	100.0
10440.0	33.7	3.0	29.54	4.08	95.6	100.0
10441.0	43.2	3.2	29.58	4.09	96.1	100.0
10444.0	30.9	2.0	29.60	4.09	100.0	100.0
10445.0	37.2	3.4	29.63	4.09	76.2	100.0

Dresser Atlas

CNG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. O/H
10450.0	32.6	2.5	29.66	4.09	100.0	100.0
10451.0	38.0	2.1	29.68	4.09	77.4	100.0
10452.0	44.4	2.0	29.70	4.10	86.2	100.0
10453.0	30.6	4.2	29.73	4.10	94.2	100.0
10454.0	11.1	7.6	29.80	4.10	93.4	42.2
10455.0	6.5	8.8	29.89	4.13	63.5	31.7
10456.0	10.3	8.2	29.97	4.16	65.3	34.6
10457.0	9.2	6.8	30.05	4.16	100.0	39.2
10458.0	18.1	7.0	30.11	4.17	94.9	41.8
10460.0	49.0	2.3	30.18	4.17	100.0	100.0
10461.0	41.4	3.3	30.21	4.17	93.6	100.0
10465.0	37.7	2.9	30.29	4.18	100.0	100.0
10466.0	22.5	3.0	30.32	4.18	100.0	100.0
10467.0	18.4	3.9	30.36	4.18	100.0	83.4
10468.0	19.7	5.1	30.41	4.18	100.0	67.3
10469.0	12.4	5.7	30.46	4.18	100.0	56.7
10470.0	18.8	5.5	30.52	4.18	100.0	59.9
10471.0	41.4	2.1	30.55	4.18	91.4	100.0
10472.0	44.8	1.8	30.57	4.18	86.8	100.0
10473.0	44.6	2.3	30.59	4.18	90.7	100.0
10477.0	41.6	1.8	30.61	4.18	98.5	100.0
10478.0	35.2	3.2	30.63	4.18	100.0	100.0
10479.0	34.0	5.1	30.68	4.19	79.9	83.9
10480.0	28.8	7.5	30.75	4.21	74.6	58.9
10481.0	25.2	8.5	30.83	4.22	78.3	52.7
10482.0	27.6	8.4	30.92	4.25	68.8	53.0
10483.0	26.9	8.5	31.00	4.27	77.1	51.9
10484.0	28.4	7.8	31.08	4.29	80.9	57.5
10485.0	27.3	7.7	31.16	4.31	73.0	58.1
10486.0	24.1	7.6	31.24	4.32	80.9	59.5
10487.0	23.4	7.7	31.31	4.34	79.4	58.8
10488.0	17.4	8.4	31.39	4.35	93.3	53.1
10489.0	25.2	6.2	31.46	4.35	100.0	70.7
10528.0	39.3	2.1	31.54	4.35	97.1	100.0
10529.0	42.6	1.9	31.56	4.35	91.6	100.0
10530.0	27.7	4.5	31.60	4.35	99.6	100.0
10531.0	18.6	5.9	31.65	4.35	100.0	70.2
10532.0	11.3	7.3	31.72	4.35	100.0	55.2
10533.0	12.0	7.6	31.80	4.35	100.0	53.8
10534.0	18.5	7.6	31.88	4.35	86.2	53.2
10535.0	17.0	8.0	31.96	4.37	86.0	49.7
10536.0	18.8	8.1	32.04	4.39	69.4	48.9
10537.0	22.4	7.9	32.12	4.41	72.1	49.6
10538.0	19.7	8.7	32.20	4.43	78.2	44.1
10539.0	24.3	8.3	32.29	4.45	76.8	46.8

CNG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. D/H
10543.0	41.3	3.3	32.36	4.46	85.9	100.0
10553.0	42.1	0.3	32.39	4.46	100.0	100.0
10554.0	30.6	1.7	32.41	4.46	100.0	100.0
10555.0	38.8	0.7	32.42	4.46	100.0	100.0
10555.0	47.5	2.1	32.46	4.46	91.0	100.0
10556.0	49.7	1.8	32.47	4.47	93.9	100.0
10557.0	47.8	2.3	32.50	4.47	91.4	100.0
10592.0	48.5	1.5	32.53	4.47	100.0	100.0
10593.0	26.8	4.2	32.57	4.47	100.0	93.2
10594.0	10.2	6.8	32.63	4.47	100.0	43.7
10595.0	4.3	8.4	32.71	4.47	100.0	31.6
10596.0	3.9	9.7	32.80	4.48	76.9	26.9
10597.0	0.5	10.7	32.91	4.51	73.2	24.5
10598.0	2.3	10.1	33.01	4.54	64.4	25.9
10599.0	15.2	8.5	33.10	4.60	29.4	33.1
10600.0	43.1	3.7	33.16	4.62	83.9	100.0
10602.0	39.4	0.8	33.17	4.62	100.0	100.0
10603.0	34.2	1.0	33.18	4.62	100.0	100.0
10604.0	20.0	4.3	33.21	4.62	100.0	76.4
10605.0	11.4	5.6	33.27	4.62	100.0	51.1
10606.0	7.5	6.3	33.33	4.62	100.0	42.5
10607.0	10.9	6.0	33.39	4.62	94.7	45.0
10608.0	12.1	5.6	33.45	4.62	92.4	50.9
10609.0	15.2	5.9	33.50	4.63	81.2	53.6
10610.0	20.4	5.5	33.56	4.65	67.2	60.7
10611.0	22.2	6.1	33.62	4.63	52.0	54.4
10612.0	8.6	8.3	33.70	4.69	94.9	37.0
10613.0	5.0	10.4	33.79	4.70	84.0	38.8
10614.0	4.4	11.7	33.91	4.74	62.3	38.6
10615.0	15.1	10.2	34.02	4.80	31.8	34.2
10616.0	15.4	10.1	34.12	4.86	41.8	34.2
10617.0	20.6	8.8	34.21	4.91	43.0	36.9
10672.0	47.0	0.2	34.28	4.91	100.0	100.0
10673.0	29.8	3.3	34.31	4.91	100.0	100.0
10674.0	29.0	4.3	34.35	4.92	81.5	81.9
10675.0	18.5	5.6	34.40	4.92	100.0	64.1
10676.0	8.5	7.4	34.47	4.92	100.0	45.7
10677.0	10.5	8.0	34.55	4.92	94.4	42.1
10678.0	10.6	8.6	34.63	4.93	84.5	39.0
10679.0	16.6	8.1	34.72	4.96	64.1	40.6
10680.0	14.8	7.9	34.79	4.98	77.9	40.4
10681.0	19.9	8.1	34.88	5.01	55.1	42.8
10704.0	32.9	1.3	34.94	5.01	100.0	100.0

DresserAtlas

CNG PRODUCING COMPANY R.B.U. 12-12D
RIVERBEND UNIT UINTAH UTAH

DEPTH	SHALE VOL. %	POROSITY %	CUMM. POR. FEET	HYCARB FEET	WATER SAT. PDK100 %	WATER SAT. O/H
10705.0	35.3	1.1	34.95	5.01	100.0	100.0
10706.0	39.9	1.0	34.96	5.02	80.1	100.0
10707.0	43.2	2.7	34.98	5.02	84.1	100.0
10725.0	42.5	0.7	35.02	5.02	100.0	100.0
10726.0	21.4	6.0	35.07	5.02	100.0	52.9
10727.0	19.7	7.3	35.14	5.02	96.6	38.0
10728.0	24.9	7.1	35.21	5.05	57.4	43.4
10729.0	23.2	7.7	35.29	5.08	56.1	45.1
10730.0	20.8	7.6	35.37	5.11	57.3	46.6
10731.0	20.0	8.2	35.45	5.15	57.0	42.4
10732.0	17.7	8.3	35.53	5.18	71.3	41.3
10733.0	21.4	7.6	35.61	5.20	70.4	46.9
10734.0	19.5	7.2	35.68	5.22	68.1	51.9
10735.0	15.8	7.6	35.75	5.24	65.2	50.6
10736.0	20.1	7.1	35.83	5.27	64.4	56.4
10737.0	21.3	7.0	35.90	5.29	66.3	58.3
10738.0	20.7	7.5	35.97	5.32	62.8	54.7
10739.0	18.2	8.0	36.05	5.35	69.3	50.7
10740.0	20.3	7.5	36.13	5.37	62.9	54.7
10741.0	22.4	7.0	36.20	5.40	64.8	59.1
10742.0	21.5	7.1	36.27	5.43	62.8	58.7
10743.0	17.7	7.2	36.34	5.45	73.1	56.6
10744.0	16.1	7.6	36.42	5.45	90.1	50.4
10745.0	15.5	6.4	36.48	5.46	100.0	53.9
10746.0	15.5	5.5	36.54	5.46	100.0	55.4
10747.0	19.5	5.7	36.60	5.47	83.1	50.4
10748.0	26.2	6.9	36.66	5.49	57.1	44.0
10749.0	43.5	4.3	36.72	5.51	84.6	76.5
10751.0	49.6	0.6	36.73	5.51	100.0	100.0
10760.0	48.0	1.4	36.76	5.51	100.0	100.0
10762.0	47.6	2.0	36.79	5.51	97.4	100.0
10763.0	47.8	1.9	36.81	5.51	93.3	100.0
10770.0	37.3	4.0	36.85	5.51	100.0	84.9
10771.0	29.0	6.5	36.91	5.52	79.6	32.9
10772.0	36.6	6.9	36.98	5.54	70.7	26.4
10773.0	43.5	6.8	37.05	5.55	84.6	28.2
10779.0	27.1	6.2	37.11	5.55	100.0	49.2
10780.0	13.1	7.6	37.18	5.55	100.0	29.2
10781.0	22.1	10.8	37.28	5.58	57.2	20.7

Dresser Atlas

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

121615

12

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER

RECEIVED DEC 15 1986 DIVISION OF OIL, GAS & MINING

2. NAME OF OPERATOR: CNG Producing Co.

3. ADDRESS OF OPERATOR: 705 S. Elgin, Box 2115, Tulsa, Ok. 74101

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface: 2069' FSL & 1118' FWL NW SW Section 12
At top prod. interval reported below: same
At total depth: same

5. LEASE DESIGNATION AND SERIAL NO.: U-013821-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME: River Bend Unit

8. FARM OR LEASE NAME: RBU

9. WELL NO.: RBU 12-12D

10. FIELD AND POOL, OR WILDCAT:

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Section 12-T10S-R18E

14. PERMIT NO.: 43047 31651 DATE ISSUED:

12. COUNTY OR PARISH: Uintah 13. STATE: Utah

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
12-28-85	5-9-86	10-4-86	4937' GR, 4963' KB	N/A

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
10,864 MD	10,300(CIBP)		→	Surface to TD	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: Mesaverde 8505'-10,236'

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: DLL, BHC-AC, VDL, Diplog, COL-CN-GR, F.M.T.

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
13-3/8"	48#	250'	17"	Cement to Surface	
8-5/8"	24#	3555'	12-1/4"	Cement to Surface	
5-1/2"	20#	10,850.5'	7-7/8"	Cement w/2804 sxs	

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"	10,008'	None

31. PERFORATION RECORD (Interval, size and number): SEE ATTACHMENT

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	SEE ATTACHMENT

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
6-23-86	Flowing	SIWOPL

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
11-18-86	24	19/64	→	Cond 2	211	3	105500

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
460	800	→	Cond. 2	211	3	N/A

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

TEST WITNESSED BY: Mitch Hall

35. LIST OF ATTACHMENTS: Perforation and Stimulation Recap, Logs

86 12 18 UC

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

SIGNED Susan Lacy TITLE Engineering Technician DATE 12-10-86

*(See Instructions 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):

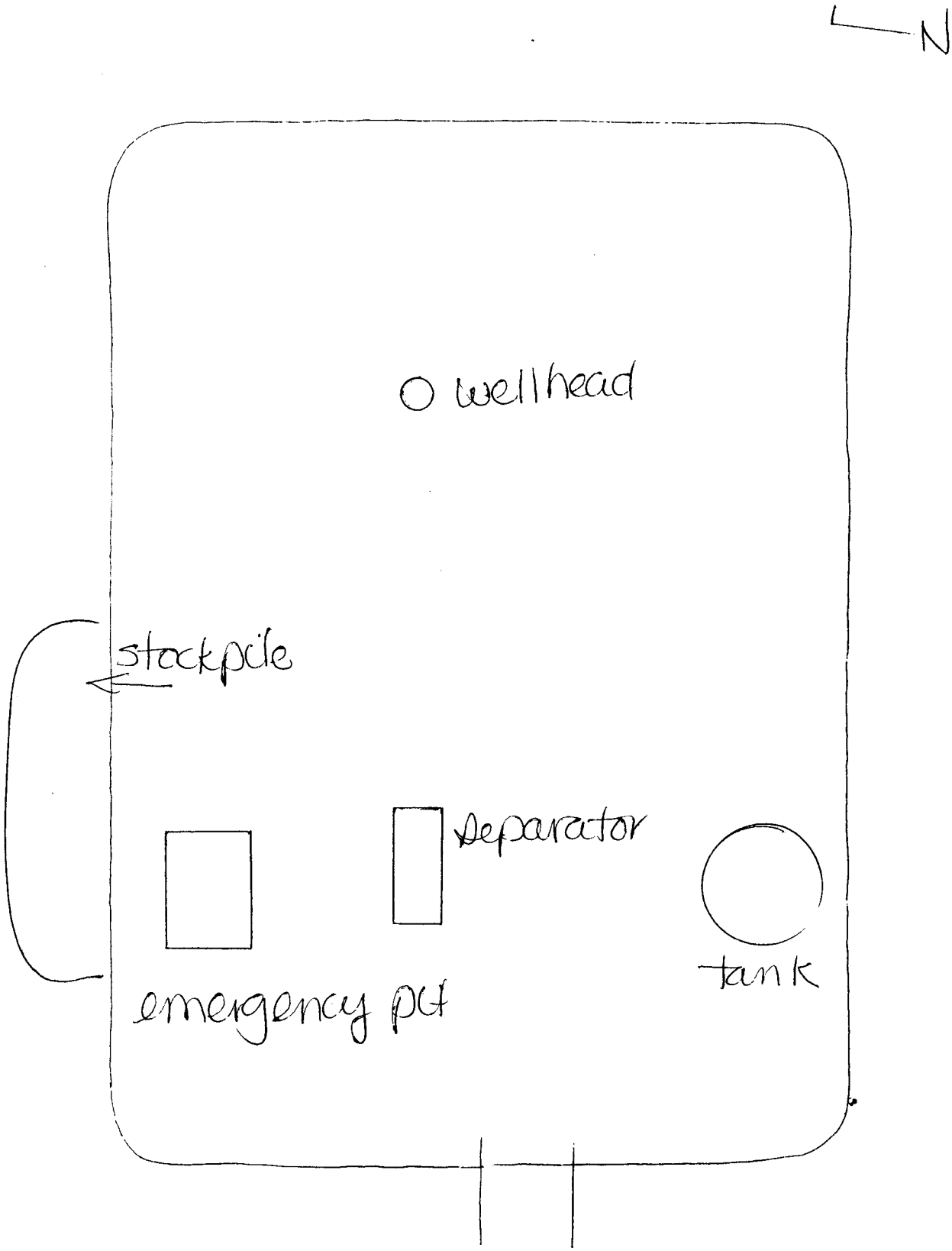
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Gr.River Tongue	4,556	
Wasatch	4,724	
Chapita Wells	5,420	
Uteland Buttes	6,500	
Mesaverde	7,866	
Castlegate	10,805	
TD	10,864	

31651

RBU 12-12D Sec 12, T10 So, R18E Chubby 5/11/89



Form 3160-5

UNITE TATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

F RM 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-013821-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.
RBU 12-12D

3. Address and Telephone No.
1450 Poydras St., New Orleans, LA 70112-6000 (504) 593-7260

9. API Well No.
43-047-31651

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Surface - 2,069' FSL & 1,118' FSL of Sec. 12-T10S-R18E

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	[X] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
[ ] Final Abandonment Notice	[ ] Altering Casing	[ ] Conversion to Injection
	[ ] Other	[ ] 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.)*

Recompletion work on the above referenced well will begin March 1, 1992.

See attached workover procedure.

ACCEPTED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 1-31-92
BY: [signature]

RECEIVED
JAN 30 1992
DIVISION OF OIL GAS & MINING

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

Signed [signature] Title Supervisor, Prod. Eng. Date January 29, 1992
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

RECEIVED
JAN 30 1992
DIVISION OF
OIL GAS & MINING

WORKOVER PROCEDURE
RIVERBEND UNIT
12-12D
SECTION 12-T10S-R18E
UINTAH COUNTY, UTAH
AFE # 08336C

PLANS: FRAC AND TEST ZONES IN THE CHAPITA WELLS.

CURRENT STATUS:

ELEVATION - 4937'
5 1/2" 17 # N80 CASING @ 10850' BURST: 7740 PSI
8 5/8" 24 # CASING @ 420'
PBTD: '

EXISTING PERFORATONS: - 8505-19', 8526-31', 8594-8634'
- 10088-10100', 10164-172', 10228-236'
- 10360-394'

PLANNED PERFORATIONS: ZONE NO.1 - 6234-50' @ 4spf
- 120M LBS W/ 70% N2
ZONE NO.2 - 5564-78' @ 4spf
- 120M LBS W/ 70% N2

PROCEDURE:

1. Clean off location and move in rig and CLEAN frac tanks with 1000 bbls. of 2% KCL water. Kill well with 2% KCL water.
2. Nipple down tree and N/U BOP's. POOH with tubing.
3. Rig up Halliburton or Schlumberger and pack-off lubricator on top of well. Tie-in with CBL (Gearhart) run of 8-8-88. Set FBP @ 6400'.
4. GIH with 4" 4spf 90 phase casing gun (expendable charges) and perforate Zone No.1 from 6234-50'. POOH and R/D wireline.
5. GIH open ended with tubing to 6100' and N/U tree.
6. Rig up Halliburton to NITROGEN foam frac well. Test lines to 6000 psi. Have a SAFETY MEETING with everyone on location. Establish injection pressure at design rate with 30-50 bbls. of KCL water to determine ISIP, frac gradient, and perforation friction.
7. Pump job (see attachment) triple entry @ 20 bpm. Maximum anticipated pressure is 4000 psi. Do not exceed 5000 psi. Monitor Nolte plot during job. FORCE CLOSE on a 18/64" choke. Fill out CNGP Quality Control/Frac Report form and fax with daily report to New Orleans.
8. IP rate to New Orleans after well will burn and pressure has stabalized.

RECEIVED
JAN 30 1992
DIVISION OF
OIL GAS & MINING

8. POOH with tubing and rig up electric line and set FBP @ 5700'. Perforate Zone NO.2 from 5564-78' with a 4" 4 spf 90 phase casing gun (expendable charges). Rig down electric line.
9. GIH with tubing to 5400'and Repeat steps No. 6,7 and 8.
10. Set up completion as per schematic with the shallow production up the casing and the Mesaverde up the tubing.
11. Fax final schematic to New Orleans .

NOTE:

VENDORS:		PHONE:
ELECTRIC LINE	- HALLIBURTON	801-789-8950
	SCHLUMBERGER	801-789-3394
FRAC/N2	- HALLIBURTON	801-789-2550
		RICK CURTICE
RIG	- WESTERN	801-722-3451
CNGP MANAGER:	- DARWIN KULLAND	801-722-4521
	TRK	801-823-6378
CNGP ENGINEER:	- SCOT CHILDRESS	801-722-4521
	or in NO	504-593-7574
CNGP WORKOVER SUPERVISOR:	- MITCH HALL	801-722-4521
	TRK	801-823-6380

PROCEDURE DATE:_____
FAX TO NO/PG&E DATE:_____
PROCEDURE WRITTEN BY:_____

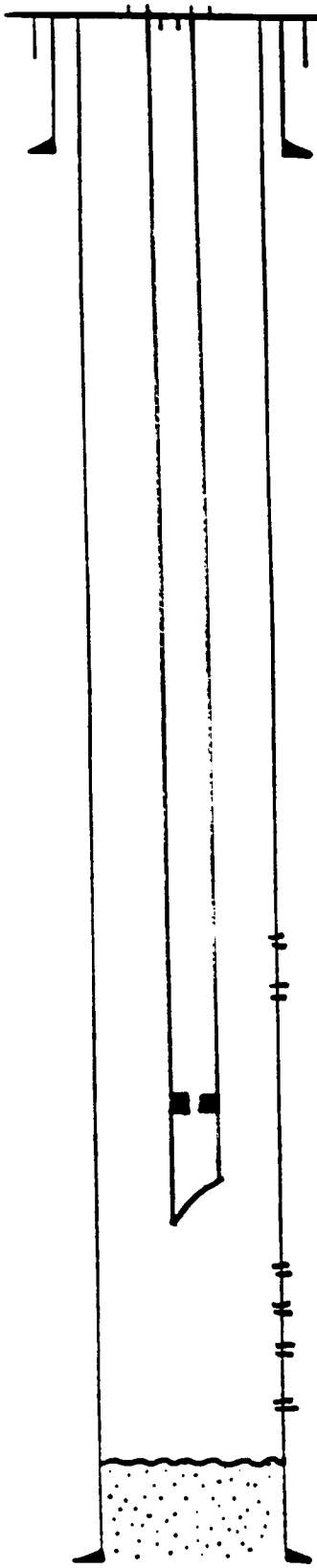
WELL SKETCH

WELL RBU 12A FIELD Riverbend

SEC. 12A ; T 10S , R 18E , Uintah COUNTY, Utah

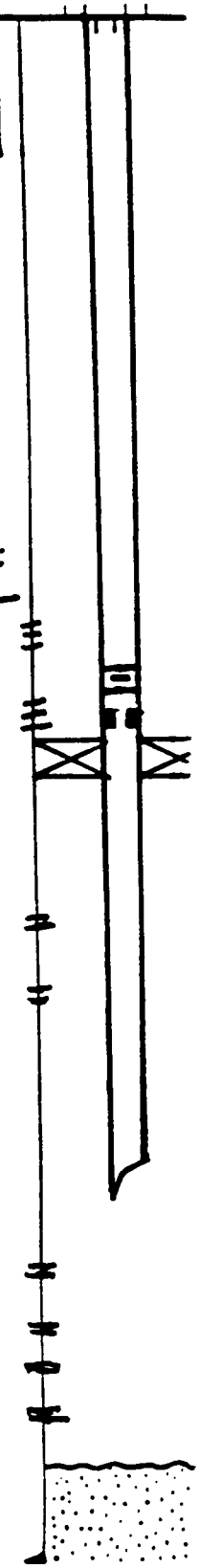
ELEVATIONS: GROUND 4937' ; KB TO Flg = 26'

PRESENT



RECEIVED
JAN 30 1992
DIVISION OF
OIL GAS & MINING

PROPOSED



13 3/8" @ 250'

8 5/8", ___ # @ 3560

2 3/8" Tubing - 8 rd

Planned perfs:
- Chapita Wells -
5564-78'

6236-50'

Existing perfs::
- Mesaverde -

8,505-519' & 8526-531'
8,594-8,634'

SN @ 9,977'

EOT @ 10,008'

10,088-100'
10,164-172'
10,228-236'
10,360-394'

EST PBTD _____

5 1/2", 17 # @ 10,850

DATE _____ PREPARED BY Kat Childress

RECEIVED
JAN 30 1992
DIVISION OF
OIL GAS & MINING

Dresser Atlas

DRESSER

COMPENSATED **DENSILOG®**
COMPENSATED **NEUTRON**
GAMMA RAY

FILE NO.	COMPANY CNG PRODUCING CO.
API NO.	WELL R.B.U. 12-12D
	FIELD RIVERBEND UNIT
	COUNTY UINTAH STATE UTAH
FIELD PRINT	LOCATION: 2069' F.S.L. 1118' F.W.L. N.W./S.W. SEC 12 TWP 10 S. RGE 18 E.

OTHER SERVICES
DLL
BHC-AC
VDL
DIPLOG

PERMANENT DATUM G.L. ELEV. 4937'
LOGGING MEASURED FROM K.B. 26 FT. ABOVE P.D.
DRILLING MEASURED FROM K.B.

ELEVATIONS
KB 4963'
DF 4962'
GL 4937'

DATE	10 MAY 86			
RUN	1			
SERVICE ORDER	95500			
DEPTH-DRILLER	10864'			
DEPTH-LOGGER	10857'			
BOTTOM LOGGED INTERVAL	10855'			
TOP LOGGED INTERVAL	3559'			
CASING - DRILLER	8 5/8 @ 3561'		@	
CASING - LOGGER	3559'			
BIT SIZE	7 7/8			
TYPE FLUID IN HOLE	KCL/POLYMER			
DENSITY / VISCOSITY	9.8	42		
PH / FLUID LOSS	10.0	6.0		
SOURCE OF SAMPLE	TANK			
RM AT MEAS. TEMP.	.038 @ 75		@	
RMF AT MEAS. TEMP.	.034 @ 75		@	
RMC AT MEAS. TEMP.	.042 @ 75		@	
SOURCE OF RMF / RMC	MEAS.	CALC.		
RM AT BHT	.015 @ 190		@	
TIME SINCE CIRCULATION	5.5 HRS.			
MAX. REC. TEMP. DEG. F	190			
EQUIP. NO. / LOC.	HL 6351	ROOSEVELT		
RECORDED BY	K. FRANCIS			
WITNESSED BY	HUNTER/COFFIN/REEVES			

FOLD HERE

08200
Zone No. 1
9
12-12D
08300

00500
12-12A
Zone No.
2
8 6 4 0
13'
00800

Form 9

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

6. Lease Designation and Serial Number
13821-A

7. Indian Allottee or Tribe Name

SUNDRY NOTICES AND REPORTS ON WELLS

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

Use APPLICATION FOR PERMIT - for such proposals

8. Unit or Communization Agreement
River Bend Unit

1. Type of Well
[ ] Oil Well [X] Gas Well [ ] Other (specify)

9. Well Name and Number
RBU 12-12D

2. Name of Operator
CNG Producing Company

10. API Well Number
43-047-31651

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 : 2,069' FSL & 1,118' FWL
QQ, SEC., T., R., M.: NW SW of Sec. 12-T10S-R18E

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
- [ ] Other
- [ ] New Construction
- [ ] Pull or Alter Casing
- [ ] Recompletion
- [ ] Shoot or Acidize
- [ ] Vent or Flare
- [ ] Water Shut-Off

Approximate Date Work Will Start

SUBSEQUENT REPORT
(Submit Original Form Only)

- [ ] Abandonment *
- [ ] Casing Repair
- [ ] Change of Plans
- [ ] Conversion to Injection
- [ ] Fracture Treat
- [X] Other Annual Status Report
- [ ] 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.)

STATUS OF WELL

Shut-in

EXPLANATION FOR STATUS OF WELL

Waiting on pipeline

FUTURE PLANS

Recompletion / frac job to begin March 1, 1992

RECEIVED
FEB 06 1992
DIVISION OF
OIL GAS & MINING

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

Name & Signature Scot Childress
W. Scot Childress
Title Supervisor, Prod. Engineering
Date January 31, 1992

(State Use Only)

(8/90)

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
FEB 12 1992
DIVISION OF
OIL GAS & MINING

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

2. Name of Operator
CNG Producing Company

3. Address and Telephone No.
1450 Poydras St., New Orleans, LA 70112-6000 (504) 593-7260

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Surface - 2,069' FSL & 1,118' FSL of Sec. 12-T10S-R18E

5. Lease Designation and Serial No.
U-013821-A

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
RBU 12-12D

9. API Well No.
43-047-31651

10. Field and Pool, or Exploratory Area
Island

11. County or Parish, State
Uintah, Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[X] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other - 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.)*

February 5 - February 7, 1992

Changed valves on separator. Check on tubing side of well head. Rig up flow line with back pressure valve from seperator to pit. Hauled cement bbls and 2" line pipe and BOPs.

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

Signed Susan M. Hebert Title Regulatory Reports Asst. II Date February 7, 1992
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

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 TO DRILL" for such proposals.

SUBMIT IN TRIPLICATE

RECEIVED
FEB 18 1992
DIVISION OF
OIL GAS & MINING

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

2. Name of Operator
CNG Producing Company

3. Address and Telephone No.
1450 Poydras St., New Orleans, LA 70112-6000 (504) 593-7260

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Surface - 2,069' FSL & 1,118' FSL of Sec. 12-T10S-R18E

5. Lease Designation and Serial No.
U-013821-A

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
RBU 12-12D

9. API Well No.
43-047-31651

10. Field and Pool, or Exploratory Area
Island

11. County or Parish, State
Uintah, Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[X] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other - 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.)*

February 8 - February 14, 1992

Rig up rig. Well flowing with 700 PSI on 18/64 choke. Killed with 250 bbls of 2% KCL water down tubing. Nipple down tree and nipple up BOPs. Pulled 194 jts and stood back. Lay down 34 jts. Drained pump and lines. No pressure on well. Rig up Halliburton Logging Service. Pick up and run in hole with bridge plug and set at 6,400'. Pull out of hole. Pressure test bridge plug to 3,500'. Tested OK. Pick up 3 3/8" casing gun loaded with 4 SPF. Rig down wireline truck. Run in hole with 1 jt, seating nipple & 195 jts, end of tubing at 6,096'. Nipple down BOP and nipple up tree. Rig up Howco. Tested line to 6000 PSI. Broke down formation with 2% KCL water. Frac'd zone with 124,400 lbs of 20/40 frac sand and 280 bbls gelled fluid 800 MSCF of N2. Ramped sand from 1-8 PPG. Average treating pressure was 4600 PSI. Opened well with 2000 PSI on 18/64 choke. Flow testing Zone No. 7 6,234-50' with 800 PSI on tubing and 1000 PSI on casing on 18/64 choke returning gas at the rate of 1,500 MCF/D, mist would not burn.

I hereby certify that the forgoing is true and correct

Signed Susan M Hebert Title Regulatory Reports Asst. II Date February 14, 1992
Susan M. Hebert

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

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 FEB 25 1992 DIVISION OF OIL GAS & MINING

5. Lease Designation and Serial No.
U-013821-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.
RBU 12-12D

3. Address and Telephone No.
1450 Poydras St., New Orleans, LA 70112-6000 (504) 593-7260

9. API Well No.
43-047-31651

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Surface - 2,069' FSL & 1,118' FSL of Sec. 12-T10S-R18E

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.)*

February 15 - February 21, 1992

Flow testing Zone No. 7 with 475 PSI on tubing and 650 PSI on casing flowing on 18/64 choke returning gas at the rate of 900 MCF/D, would burn. Tubing had 350 PSI and casing had 550 PSI on 18/64 choke returning gas at the rate of 680 MCF/D, would burn. Tubing had 300 PSI and casing had 500 PSI, will not burn. Flow well back from frac job. Tubing had 340 PSI and casing had 450 PSI. Fine mist coming back. Will burn for about 5 minutes then blows itself out. Flowing tubing to pit on 18/64 choke. Had 200 PSI on tubing and 412 PSI on casing. Returning gas at the rate of 414 MCF/D, will burn. Flowing tubing to pit on 18/64 choke with 200 PSI on tubing and 400 PSI on casing, returning gas at the rate of 414 MCF/D, will burn.

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

Signed Susan M Hebert Title Regulatory Reports Asst. II Date February 21, 1992
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
MAR 04 1992
DIVISION OF
OIL GAS & MINING

5. Lease Designation and Serial No.
U-013821-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.
RBU 12-12D

3. Address and Telephone No.
1450 Poydras St., New Orleans, LA 70112-6000 (504) 593-7260

9. API Well No.
43-047-31651

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Surface - 2,069' FSL & 1,118' FSL of Sec. 12-T10S-R18E

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.)*

February 22 - February 28, 1992

Rig up rig and equipment. Open tubing to pit on 18/64 choke with 1200 PSI on tubing and 1250 PSI on casing. Tubing had 600 PSI and casing had 700 PSI. Control well with 200 bbls of 2% KCL. Pull out of hole with tubing. Lay down 20 jts. Rig up Halliburton Logging Service. Set bridge plug at 5,700'. Test to 3000 PSI. Tag plug with perf gun. Pull up hole and perforate Zone (5,564-78') with 4 SPF. Run 2 3/8" tubing with collar, 1 jt tubing seating nipple, 173 jts 2 7/8" tubing, & 4' blast jt, end of tubing at 5,411'. Nipple up wellhead and rig down. Rig up Halliburton for N2 foam. Frac Zone #8 (5,564-78'). Test lines to 6000 PSI. Open wellhead - 0 PSI on well. Treat well down tubing and annulus with 70% N2 foam, 121,700 lbs of 20/40 frac sand. Flow back through 18/64 choke. Flowing back N2 foam and sand. Change choke. Built up to 2500 PSI from 1750 PSI on tubing.

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

Signed Susan M. Hebert Title Regulatory Reports Asst. II Date February 28, 1992
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
MAR 09 1992
DIVISION OF
OIL GAS & MINING

5. Lease Designation and Serial No.
U-013821-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.
RBU 12-12D

3. Address and Telephone No.
1450 Poydras St., New Orleans, LA 70112-6000 (504) 593-7260

9. API Well No.
43-047-31651

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Surface - 2,069' FSL & 1,118' FSL of Sec. 12-T10S-R18E

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.)*

February 29 - March 6, 1992

Flowing tubing to pit on 18/64 choke. Tubing had 50 PSI and casing had 400 PSI, returning mist of water. Flow testing Zone #8 through 18/64 choke. Casing had 350 PSI and tubing had 50 PSI, misting, will not burn. Casing had 375 PSI, would not burn. Casing had 475 PSI and tubing had 0 PSI. Rig up Delsco swab unit. Run in hole, tagged fluid at 4300'. Made one swab run from 5,200'. Well started flowing after on hour. Casing had 40 PSI and tubing had 20 PSI. Flowing to pit on 18/64 choke. Swab to TD of tubing. Dry run 600# on casing. Well will not communicate. Some sand on swab run. Tubing is sand up. Will move out swab rig and move in service rig.

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

Signed Susan M. Hebert Title Regulatory Reports Asst. II Date March 6, 1992
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 STATE
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FC J 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
MAR 27 1992
DIVISION OF
OIL GAS & MINING

5. Lease Designation and Serial No.
U-013821-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.
RBU 12-12D

3. Address and Telephone No.
1450 Poydras St., New Orleans, LA 70112-6000 (504)588-7260

9. API Well No.
43-047-31651

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Surface - 2,069' FSL & 1,118' FSL of Sec. 12-T10S-R18E

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.)*

March 14 - March 20, 1992

Casing had 1000 PSI and tubing had 0 PSI. Rig up rig. Bled pressure off casing. Rig up pump lines. Tried to pump down tubing. Pressure up to 4000 PSI. Couldn't circulate down tubing. Nipple down tree. Nipple up BOP. Pull out of hole with 40 jts of tubing. No drag. Tubing was plugged. Pull out of hole with 133 jts of 2 3/8" tubing. Had 14 jts plugged with sand. Run in hole with retrieving head and tag sand at 5,540'. Wash sand to top of bridge plug. Circulate bottom out of hole. Latch plug. Plug not moving. Sand falling in on top of plug. Wash sand from bottom. Attempt to pull plug for 3 hrs. Sand falling in. Circulate bottom out. Rig up to tubing with pump line. Tried to pump down tubing. Pressure up to 3500-4000 PSI. Couldn't circulate. Work tubing, couldn't pull out of hole with tubing. Rig up swab equipment. Made 5 swab run. Swab down to 3,400'. Started getting returns up tubing. Circulate hole clean. Pull out of hole with tubing and bridge plug. Lay down bridge plug. Run in hole with retrieving head and 172 jts of tubing. 0 PSI on casing. Run in hole with 12 jts, tag sand at 6,320'. Clean out sand to 6,400'. Circulate hole clean. Release bridge plug. Had 3000 PSI . Unload water out of tubing. Bled gas off tubing for 4 1/2 hrs. Bled tubing down to 2300 PSI. Rig up pump lines to tubing. Pressure up to 2500 PSI. Rig up tubing to flow line, left tubing flowing to pit on 18/64 choke to bleed gas off.

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

Signed Susan M. Hebert Title Regulatory Reports Asst. II Date March 20, 1992
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

5. Lease Designation and Serial No.
U-013821-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

RECEIVED
MAR 30 1992
DIVISION OF
OIL GAS & MINING

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.
RBU 12-12D

3. Address and Telephone No.
1450 Poydras St., New Orleans, LA 70112-6000 (504) 593-7260

9. API Well No.
43-047-31651

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Surface - 2,069' FSL & 1,118' FSL of Sec. 12-T10S-R18E

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.)*

March 21 - March 27, 1992

Well had 1000 PSI on tubing and 950 on casing. Rig up pump line. Pump 158 bbls of 2% KCL water down tubing. Control well. Released bridge plug. Pull out of hole with tubing. Lay down bridge plug. Run in hole with tubing, set bridge plug, retrieving head, 1 jt, seating nipple to 5,684'. Come off bridge plug. Pull up to 5,533' with 178 jts in well. Nipple down BOP. Rig up tree. Rig up swab equipment. Made 3 runs. Tubing started flowing. Flow for 45 minutes and died. Made 2 runs. Tubing started flowing, left tubing open to pit on 18/64 choke with small flow. Run in hole with swab, tagged fluid at 2000'. Made 31 swab runs. Swabbed 80 bbls. Fluid level at 5,000'. Pressure on tubing 0 PSI and casing had 100 PSI. Left well open to pit on 18/64 choke with well not flowing. Made 12 runs. Fluid level at 4,500' then slowly went to 5,000'. Begin swabbing flow 1st run at 4000'. Made 9 runs. Flow last run at 4500'. Swab back est 20 bbls. Broke circulation with 120 bbls of 2% KCL water. Had 5' of sand on top of bridge plug. Circulate sand off. Circulate hole clean. Latch onto bridge plug. Open by pass. Well started flowing. Had water unloaded in 5 minutes. Open tubing to pit on 18/64 to bleed off gas. Flowing tubing to pit on 18/64 choke with 1050 PSI on tubing. Bled pressure down to 800 PSI. Control well with 130 bbls 2% KCL water. Pull out of hole with bridge plug. Lay down bridge plug. Run in hole with nipple and 120 jts 2 3/8" tubing, packer, 2 jts tubing sliding sleeve and 191 jts tubing. Well started to flow. Rig up pump. Pumped 100 bbls down tubing. Well under control. Run in hole with 10 jts tubing. Well dead. Nipple down BOPs. Nipple up tree. Open well to pit on 18/64 choke. No flow. Begin swabbing. 1st run at 700'. Made 12 runs. Swab back est 61 bbls. Well started flowing. Left tubing flowing to pit for 1 1/2 hr. No choke. Then put tubing on 18/64 choke with 260 PSI on casing and 500 PSI on tubing. Flowing tubing to pit on 18/64 choke. Tubing had 750 PSI and casing had 1100 PSI returning gas and mist of water at the rate of 1,553 MCF/D. Rig down rig and equipment.

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

Signed Susan M. Hebert Title Regulatory Reports Asst. II Date March 27, 1992
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 APR 06 1992 DIVISION OF OIL GAS & MINING

5. Lease Designation and Serial No.
U-013821-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.
RBU 12-12D

3. Address and Telephone No.
1450 Poydras St., New Orleans, LA 70112-6000 (504) 593-7260

9. API Well No.
43-047-31651

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Surface - 2,069' FSL & 1,118' FSL of Sec. 12-T10S-R18E

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.)*

March 28 - April 3, 1992

Flowing tubing to pit on 18/64 choke. Tubing had 700 PSI and casing had 900 PSI returning mist of water wouldn't burn. Flowing tubing to pit on 18/64 choke. Tubing had 1300 PSI and casing had 1500 PSI. Returning gas and mist of water, would burn. Returning at the rate of 1,110 MCF/D. Flowing tubing to pit on 12/64 choke, tubing had 1300 PSI and casing had 1575 PSI, returning gas at the rate of 1,111 MCF/D, would burn. Flowing tubing to pit on 12/64 choke. Choke was froze off. Well had 1700 PSI on casing and tubing. Thaw out choke. Put tubing to flowing on 12/64 choke. Flowing to pit on 12/64 choke with choke all but frozen off. Very little gas going through choke. Shot in well. Rig up hot oil truck to tubing. Dropped dart. Pumped 60 bbls water on top of dart. Pressure bled off. Rigged up wireline. Trip in hole with blind box to 10,034'. Tagged and tapped gently on top of dart in seating nipple. Pull out of hole. Pumped 4 more bbls. Pressure increased to 2500 PSI. Set otis packer. Pressured again to 3500 PSI. Held ok. Trip in hole with wireline and pulled dart. Opened tubing to flow - well dead on tubing.

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

Signed Susan M. Hebert Title Regulatory Reports Asst. II Date April 3, 1992
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
APR 13 1992
DIVISION OF
OIL GAS & MINING

5. Lease Designation and Serial No.
U-013821-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.
RBU 12-12D

3. Address and Telephone No.
1450 Poydras St., New Orleans, LA 70112-6000 (504) 593-7260

9. API Well No.
43-047-31651

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Surface - 2,069' FSL & 1,118' FSL of Sec. 12-T10S-R18E

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.)*

April 4 - April 10, 1992

Flowing casing to pit on 12/64 choke testing 2 upper zones. Casing had 100 PSI, returning gas at the rate of 85 MCF/D. Flowing casing to pit on 12/64 choke testing upper zones. Casing had 225 PSI and tubing had 350 PSI returning gas at the rate of 192 MCF/D, would burn till water hit. Return mist of water. Flow testing casing with 150 PSI on casing and 450 PSI on tubing returning 290 MCF/D on 18/64 choke. Would not burn. Well had 300 PSI on casing and 500 PSI on tubing flowing on 18/64 choke returning lite mist at 580 MCF/D. Wouldn't burn. Flowing well on 12/64 choke with 2100 PSI on tubing and 1250 PSI on casing returning at the rate of 1,700 MCF/D. Flowing well on 12/64 choke with 1830 PSI on tubing and 1360 PSI on casing returning 1.4 MMCF/D, will burn.

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

Signed Susan M. Hebert Title Regulatory Reports Asst. II Date April 10, 1992
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

5. Lease Designation and Serial No.
U-013821-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.
RBU 12-12D

3. Address and Telephone No.
1450 Poydras St., New Orleans, LA 70112-6000 (504) 593-7260

9. API Well No.
43-047-31651

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Surface - 2,069' FSL & 1,118' FSL of Sec. 12-T10S-R18E

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 measure and true vertical depths for all markers and zones pertinent to the work.)*

April 11 - April 16, 1992

Well had 800 PSI on tubing and 1450 PSI on casing flowing to pit on 12/64 choke returning 683 MCF/D, will burn. Well had 700 PSI on tubing and 1500 PSI on casing flowing to pit on 12/64 choke returning 599 MCF/D, will burn. Well had 650 PSI on tubing and 1500 PSI on casing flowing to pit on 12/64 choke returning 555 MCF/D, bringing heavy mist and condensate. Flow testing up tubing through 12/64 choke with 600 PSI on tubing and 1500 PSI on casing. Intermittent burn, still returning mist. Flow testing well through 18/64 choke with 600 PSI on tubing and 1550 PSI on casing.

RECEIVED
APR 20 1992
DIVISION OF
OIL, GAS & MINING

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

Signed Susan M. Hebert Title Regulatory Reports Asst. II Date April 16, 1992
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
APR 27 1992
DIVISION OF
OIL GAS & MINING

5. Lease Designation and Serial No.
U-013821-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.
RBU 12-12D

3. Address and Telephone No.
1450 Poydras St., New Orleans, LA 70112-6000 (504) 593-7260

9. API Well No.
43-047-31651

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Surface - 2,069' FSL & 1,118' FSL of Sec. 12-T10S-R18E

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.)*

April 17 - April 24, 1992

Flowing tubing on 12/64 choke, choke froze off. Tubing had 1150 PSI and 1550 PSI on casing. Thaw out choke. Gas dry, will burn. Left tubing open. Flowing tubing to pit on 12/64 choke. Choke was frozen. Tubing had 1400 PSI and casing had 1550 PSI. Would burn. Shut in well.

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

Signed Susan M. Hebert Title Regulatory Reports Asst. II Date April 24, 1992
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 reenter a different reservoir. Use "APPLICATION FOR PERMIT TO DRILL" for such proposals

SUBMIT IN TRIPLICATE

RECEIVED
MAY 04 1992
DIVISION OF
OIL, GAS & MINING

5. Lease Designation and Serial No.
U-013821-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.
RBU 12-12D

3. Address and Telephone No.
1450 Poydras St., New Orleans, LA 70112-6000 (504) 593-7260

9. API Well No.
43-047-31651

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Surface - 2,069' FSL & 1,118' FSL of Sec. 12-T10S-R18E

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.)*

April 28 - May 1, 1992

Flow testing well through tubing on 6/64 choke through unit and flaring well to pit. Well made approximately 237 MCF/D. Tubing pressure 1900 PSI and casing pressure 1900 PSI. Well making good condensate. No water as of yet. Well flowed on 6/64 choke holding 50 PSI back pressure on unit. Flare was out but relit flare. Well made approximately 214 MCF/D of gas. Tubing pressure was 1750 PSI and casing pressure was 1750 PSI Open well up to 7/64 choke, still holding 500 PSI back pressure. Well still making condensate and no signs of making any water. Flowing tubing to unit on 7/64 choke with 325 PSI. Tubing has 1250 PSI and casing had 1300 PSI, returning gas at the rate of 321 MCF/D.

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

Signed Susan M. Hebert Title Regulatory Reports Asst. II Date May 1, 1992
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
MAY 11 1992
DIVISION OF
OIL GAS & MINING

5. Lease Designation and Serial No.
U-013821-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.
RBU 12-12D

3. Address and Telephone No.
1450 Poydras St., New Orleans, LA 70112-6000 (504) 593-7260

9. API Well No.
43-047-31651

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Surface - 2,069' FSL & 1,118' FSL of Sec. 12-T10S-R18E

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.)*

May 2 - May 8, 1992

Well froze off in tubing. Tubing had ice plug. Put casing to flowing to unit on 8/64 choke with 1650 PSI, holding 500 PSI back pressure on unit. Tubing had 0 PSI with ice plug. Flow testing casing to unit on 8/64 choke with 550 PSI returning gas at the rate of 106 MCF/D with 300 PSI back pressure on unit. Flowing casing to unit on 10/64 choke with 500 PSI on casing with 300 PSI back pressure. Flowing at the rate of 65 MCF/D. Flowing casing to unit on 10/64 choke with 500 PSI on casing, returning gas at the rate of 55 MCF/D with 300 PSI back pressure on unit.

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

Signed Susan M. Hebert Title Regulatory Reports Asst. II Date May 8, 1992
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

5. Lease Designation and Serial No.
U-013821-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.
RBU 12-12D

3. Address and Telephone No.
1450 Poydras St., New Orleans, LA 70112-6000 (504) 593-7260

9. API Well No.
43-047-31651

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Surface - 2,069' FSL & ~~1,118'~~ 1118' FWL FSL of Sec. 12-T10S-R18E

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.)*

May 9 - May 15, 1992

Flowing tubing to unit on 8/64 choke with 1600 PSI on tubing and 1150 PSI on casing, returning gas at the rate of 222 MCF/D with 600 PSI back pressure. Well loaded up. Tubing produced 208 MCF. Unloaded tubing and put back on test through unit to pit on 9/64 choke with 500 PSI back pressure. Tubing flowing to pit through unit with 480 PSI back pressure on unit on 11/64 choke. Tubing had 800 PSI and casing had 900 PSI with 807 MCF. Put unit on 12/64 choke. Flow testing tubing on 12/64 choke to unit with 400 PSI back pressure returning gas at the rate of 205 MCF/D. Flowing tubing to unit on 12/64 choke with 375 back pressure with 600 PSI on tubing and casing returning gas at the rate of 205 MCF/D. Tubing had 600 PSI and casing had 1600 PSI flowing through unit on 12/64 choke to pit with 370 PSI back pressure returning 244 MCF/D.

RECEIVED
MAY 18 1992
DIVISION OF
OIL GAS & MINING

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

Signed Susan M. Hebert Title Regulatory Reports Asst. II Date May 15, 1992
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

5. Lease Designation and Serial No.
U-013821-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.
RBU 12-12D

3. Address and Telephone No.
1450 Poydras St., New Orleans, LA 70112-6000 (504) 593-7260

9. API Well No.
43-047-31651

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Surface - 2,069' FSL & 1,118' FSL of Sec. 12-T10S-R18E

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.)*

May 16 - May 22, 1992

Tubing had 500 PSI and casing had 1500 PSI flowing through unit to pit on 14/64 choke with 400 PSI back pressure producing 256 MCF/D.

RECEIVED
MAY 27 1992
DIVISION OF
OIL GAS & MINING

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

Signed Susan M. Hebert Title Regulatory Reports Asst. II Date May 22, 1992
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 9

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

6. Lease Designation and Serial Number
U-013821-A

7. Indian Allottee or Tribe Name

SUNDRY NOTICES AND REPORTS ON WELLS

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

8. Unit or Communization Agreement
River Bend Unit

1. Type of Well
[ ] Oil Well [X] Gas Well [ ] Other (specify)

9. Well Name and Number
RBU 12-12D

2. Name of Operator
CNG Producing Company

10. API Well Number
43-047-31651

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 : 2,069' FSL & 1,118' FWL
QQ, SEC., T., R., M.: NW SW of Sec. 12-T10S-R18E
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
- [ ] Other
- [ ] New Construction
- [ ] Pull or Alter Casing
- [ ] Recompletion
- [ ] Shoot or Acidize
- [ ] Vent or Flare
- [ ] Water Shut-Off

Approximate Date Work Will Start

SUBSEQUENT REPORT
(Submit Original Form Only)

- [ ] Abandonment *
- [ ] Casing Repair
- [ ] Change of Plans
- [ ] Conversion to Injection
- [ ] Fracture Treat
- [X] Other Annual Status Report
- [ ] 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.)

STATUS OF WELL

Shut-in

EXPLANATION FOR STATUS OF WELL

Waiting on pipeline

FUTURE PLANS

Well recompleted / will hook up soon

RECEIVED
MAR 01 1993
DIVISION OF
OIL GAS & MINING

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

Name & Signature Scot Childress
W. Scot Childress
Title Supervisor, Prod. Engineering
Date January 29, 1993

(State Use Only)

(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

February 24, 1995

Mr. Don Staley
Administrative Supervisor, Oil & Gas
Utah Board of Oil Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

RE: Annual Status Report of Shut-in, Temporarily-abandoned, and Suspended Drilling Wells

Dear Mr. Staley:

Enclosed please find Sundry Notices for all of CNG Producing Company wells that are required to be reported annually. These wells are either shut-in or temporarily abandoned.

If you have any questions please feel free to contact me at (504) 593-7260 or our project engineer, Scot Childress, at (504) 593-7574.

Sincerely,

Susan H. Sachitana

Susan H. Sachitana
Regulatory Specialist

Enclosures

cc: Ed Forsman - Bureau of Land Management

RECEIVED
FEB 27 1995
DIV OF OIL, GAS & MINING

Form 9

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

6. Lease Designation and Serial Number
U-013821-A

7. Indian Allottee or Tribe Name

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

8. Unit or Communization Agreement
River Bend Unit

1. Type of Well
[ ] Oil Well [X] Gas Well [ ] Other (specify)

9. Well Name and Number
RBU 12-12D

2. Name of Operator
CNG Producing Company

10. API Well Number
43-047-31651

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 : 2,069' FSL & 1,118' FWL
QQ, SEC., T., R., M.: NW SW of Sec. 12-T10S-R18E

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
- [ ] Other
- [ ] New Construction
- [ ] Pull or Alter Casing
- [ ] Recompletion
- [ ] Shoot or Acidize
- [ ] Vent or Flare
- [ ] Water Shut-Off

Approximate Date Work Will Start

SUBSEQUENT REPORT
(Submit Original Form Only)

- [ ] Abandonment *
- [ ] Casing Repair
- [ ] Change of Plans
- [ ] Conversion to Injection
- [ ] Fracture Treat
- [X] Other Annual Status Report
- [ ] 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.)

STATUS OF WELL

Shut-in

EXPLANATION FOR STATUS OF WELL

Waiting on pipeline

FUTURE PLANS

Well recompleted / waiting on pipeline

RECEIVED
FEB 27 1995
DIV. OF OIL, GAS & MINING

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

Name & Signature Scot Childress
W. Scot Childress
Title Supervisor, Prod. Engineering
Date February 15, 1995

(State Use Only)

(8/90)

See Instructions on Reverse Side

43-047-31651

CNG Producing Company

A **CNG** COMPANY

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

June 7, 1995

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

RE: Sundry to Plug Back and Test Zone in Wasatch Tongue
RBU 11-35B
NESW, Sec. 35-T9S-R19E
Sundry to Plug Back and Test Zone in Green River Tongue
RBU 12-12D
NWSW, Sec. 12-T10S-R18E

Dear Ed:

Enclosed please find an original and two copies of the above referenced Sundry to plug back and test the zones for the above referenced wells.

CNG Producing Company is requesting all information be held confidential.

If you have any questions or need any further information, please feel free to contact me at (504) 593-7260 or our project engineer, John C. Prince, Jr., at (504) 593-7744. Thank you for your continued cooperation.

Sincerely,

Susan H. Sachitana

Susan H. Sachitana
Regulatory Specialist

cc: Utah Board of Oil, Gas & Mining
Brian Coffin
Nelda Decker
John Prince

RECEIVED
JUN 06 1995
DIV. OF OIL, GAS & MINING

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-013821-A

6. If Indian, Allottee or Tribe Name

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

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

2. Name of Operator
CNG Producing Company

8. Well Name and No.
RBU 12-12D

3. Address and Telephone No.
1450 Poydras St., New Orleans, LA 70112-6000 (504) 593-7260

9. API Well No.
43-047-31651

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Surface - 2,069' FSL & 1,118' FSL of Sec. 12-T10S-R18E

10. Field and Pool, or Exploratory Are
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	[X] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
[ ] Final Abandonment Notice	[ ] Altering Casing	[ ] Conversion to Injection
	[ ] Other	[ ] 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.)*

Recompletion work on the above referenced well is scheduled to begin July 3, 1995.

See attached workover procedure.

CONFIDENTIAL

RECEIVED
JUN 08 1995
DIV. OF OIL, GAS & MINING

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

Signed John C. Prince, Jr. Title Senior Production Engineer Date June 7, 1995
John C. Prince, Jr.

(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

WORKOVER PROCEDURE
RIVERBEND UNIT
12-12D
SECTION 12-T10S-R18E
UINTAH COUNTY, UTAH

PLANS: FRAC AND TEST ZONE IN THE GREEN RIVER TONGUE. CONFIDENTIAL

CURRENT STATUS:

ELEVATION - 4937'
5 1/2" 17 # N80 CASING @ 10850' BURST: 7740 PSI
8 5/8" 24 # CASING @ 420'

EXISTING PERFORATONS: 5,564'-5,578', 6,234'-6,250', 8,505'-8,531', 8,594'-8,634', 10,088'-10,100' 10,164'-10,172', 10,228'-10,236' 10,360'-10,394'

PLANNED PERFORATIONS:
4,682'-4,694' @ 4spf
4,698'-4,712' @ 4spf
Frac w/150M#'s White Sand 16/30 w/Borate

PROCEDURE:

1. Clean off location and move in rig and CLEAN frac tanks with 1000 bbls. of 2% KCL water. Kill well with 2% KCL water.

2. Nipple down tree and N/U BOP's. POOH with tubing and packer.

3. Rig up electricline equipment and pack-off lubricator on top of well. Tie-in with CBL (Gearhart) run of 6-6-86. Set RBP @ 5,000.

4. GIH with 4" 4spf 90 deg phase casing gun (expendable charges) and perforate from 4,698'-4,712' and 4,682'-4,694'. POOH and R/D wireline.

5. GIH open ended with tubing to 4,550' and N/U tree. A seat nipple should be included in the tubing string in the event swabbing is required.

6. Rig up frac company equipment. Test lines to 5,000 psi. Have a SAFETY MEETING with everyone on location. Establish injection pressure at design rate with 30-50 bbls. of KCL water to determine ISIP, frac gradient, and perforation friction.

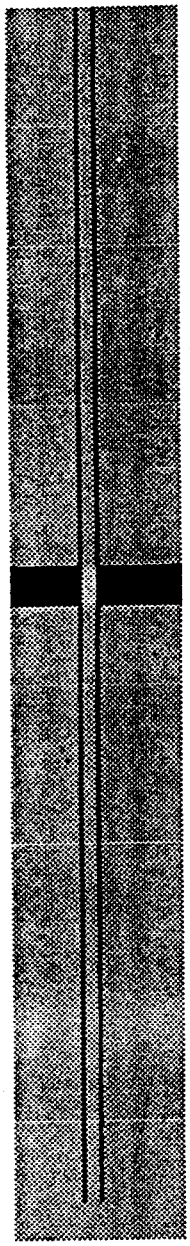
7. Pump frac job, 150,000# 16/30 White Sand with Borate, as triple entry @ 25 bpm. Maximum anticipated pressure is 4000 psi. Do not exceed 5000 psi. Monitor Nolte plot during job. FORCE CLOSE on an 18/64" choke.

8. Flow test well. R/D off location.

WELL: 12-12D - GAS/OIL
FIELD: RBU
SECTION: 12, T10S, R18E
COUNTY: UINTAH
STATE: UTAH
ELEVATION: 4937'
KB TO FLANGE:
INPUT DATE: 3/1/95
ENGINEER: SCOT CHILDRESS
COMPLETION DATE: 10/6/94

CNG PRODUCING
NEW ORLEANS

~~CONFIDENTIAL~~



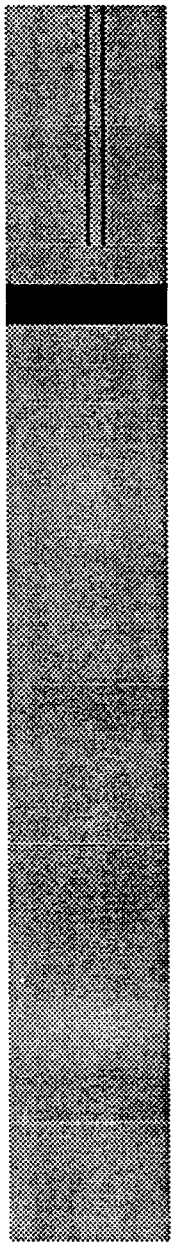
CURRENT

TUBING: 2 3/8"

= 5564-78
121 M#'S 20/40 N2
NO TEST
= 6234-50
124 M#'S 20/40 N2
400 M/D @ 200 FTP
PKR @ 6320'

= 8505-31
122 M/D
= 8594-8634
175 M/D
= 10088-100
187 M/D
= 10164-172
233 M/D
= 10228-236
213 M/D
= 10360-394
68 M/D

EOT @ 10034



PROPOSED

TUBING: 2 7/8"
PROPOSED FRAC
= 4682-94 & 4698-4712
150 M#'S 16/30
BORATE
CIBP @ 5000'
= 5564-78
121 M#'S 20/40 N2
NO TEST
= 6234-50
124 M#'S 20/40 N2
400 M/D @ 200 FTP

= 8505-31
122 M/D
= 8594-8634
175 M/D
= 10088-100
187 M/D
= 10164-172
233 M/D
= 10228-236
213 M/D
= 10360-394
68 M/D

PBTD:
CASING/DEPTH: 5 1/2" 17# @ 10854'

Dresser Atlas

DRESSER

COMPENSATED **DENSILOG®**
COMPENSATED **NEUTRON**
GAMMA RAY

FILE NO.	COMPANY CNG PRODUCING CO.
API NO.	WELL R.B.U. 12-12D CONFIDENTIAL
	FIELD RIVERBEND UNIT
	COUNTY UINTAH STATE UTAH
FIELD PRINT	LOCATION: 2069' F.S.L. 1118' F.W.L. N.W./S.W. SEC 12 TWP 10 S. RGE 18 E.

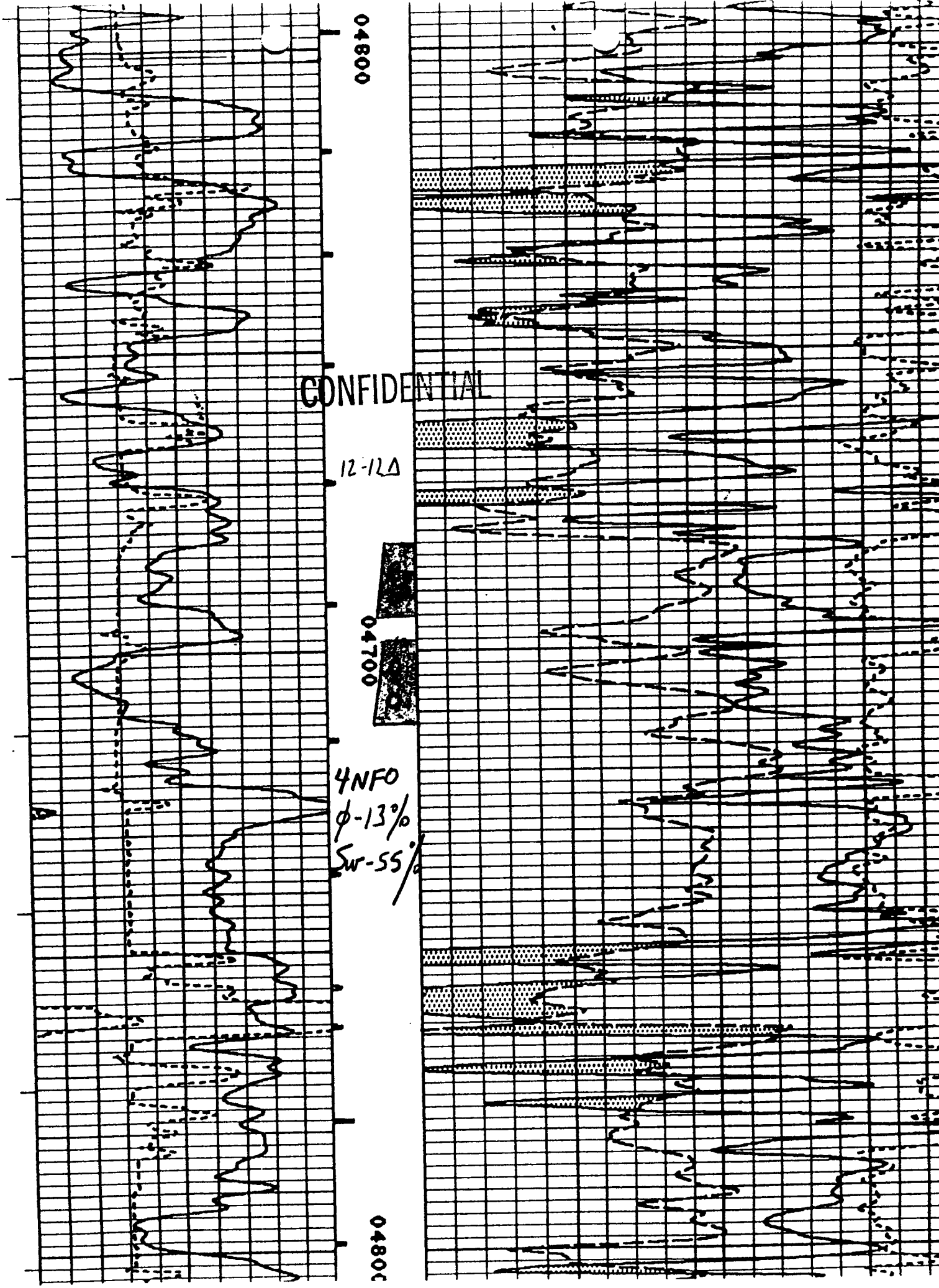
OTHER SERVICES
DLL
BHC-AC
VDL
DIPLOG

PERMANENT DATUM G.L. ELEV. 4937'
LOGGING MEASURED FROM K.B. 26 FT. ABOVE P.D.
DRILLING MEASURED FROM K.B.

ELEVATIONS
KB 4963'
DF 4962'
GL 4937'

DATE	10 MAY 86		
RUN	1		
SERVICE ORDER	95500		
DEPTH-DRILLER	10864'		
DEPTH-LOGGER	10857'		
BOTTOM LOGGED INTERVAL	10855'		
TOP LOGGED INTERVAL	3559'		
CASING - DRILLER	8 5/8 @ 3561'		@
CASING - LOGGER	3559'		
BIT SIZE	7 7/8		
TYPE FLUID IN HOLE	KCL/POLYMER		
DENSITY / VISCOSITY	9.8	42	
PH / FLUID LOSS	10.0	6.0	
SOURCE OF SAMPLE	TANK		
RM AT MEAS. TEMP.	.038 @ 75		@
RMF AT MEAS. TEMP.	.034 @ 75		@
RMC AT MEAS. TEMP.	.042 @ 75		@
SOURCE OF RMF / RMC	MEAS.	CALC.	
RM AT BHT	.015 @ 190		@
TIME SINCE CIRCULATION	5.5 HRS.		
MAX. REC. TEMP. DEG. F	190		
EQUIP. NO. / LOC.	HL 6351	ROOSEVELT	
RECORDED BY	K. FRANCIS		
WITNESSED BY	HUNTER/COFFIN/REEVES		

FOLD HERE


04800
CONFIDENTIAL
12-12Δ
04700
4NFO
ϕ-13%
Sw-55%
04800

Dresser Atlas

DRESSER

DUAL LATEROLOG GAMMA RAY

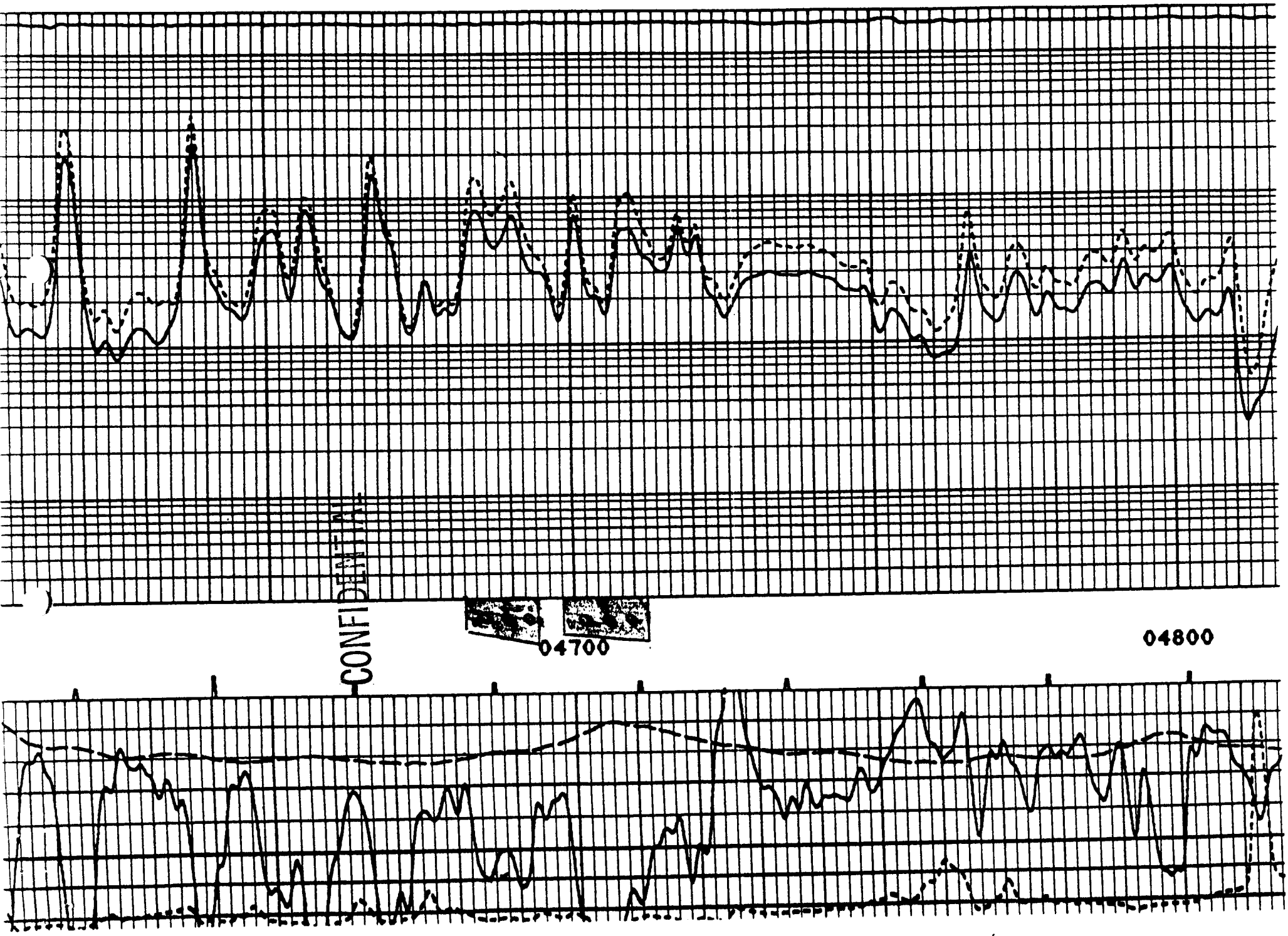
FILE NO.	COMPANY CNG PRODUCING CO.
	WELL R.B.U. 12-12D CONFIDENTIAL
API NO.	FIELD RIVERBEND UNIT
	COUNTY UINTAH STATE UTAH
FIELD PRINT	LOCATION: 2069' F.S.L. 1118' F.W.L. N.W./S.W. SEC 12 TWP 10 S. RGE 18 E.

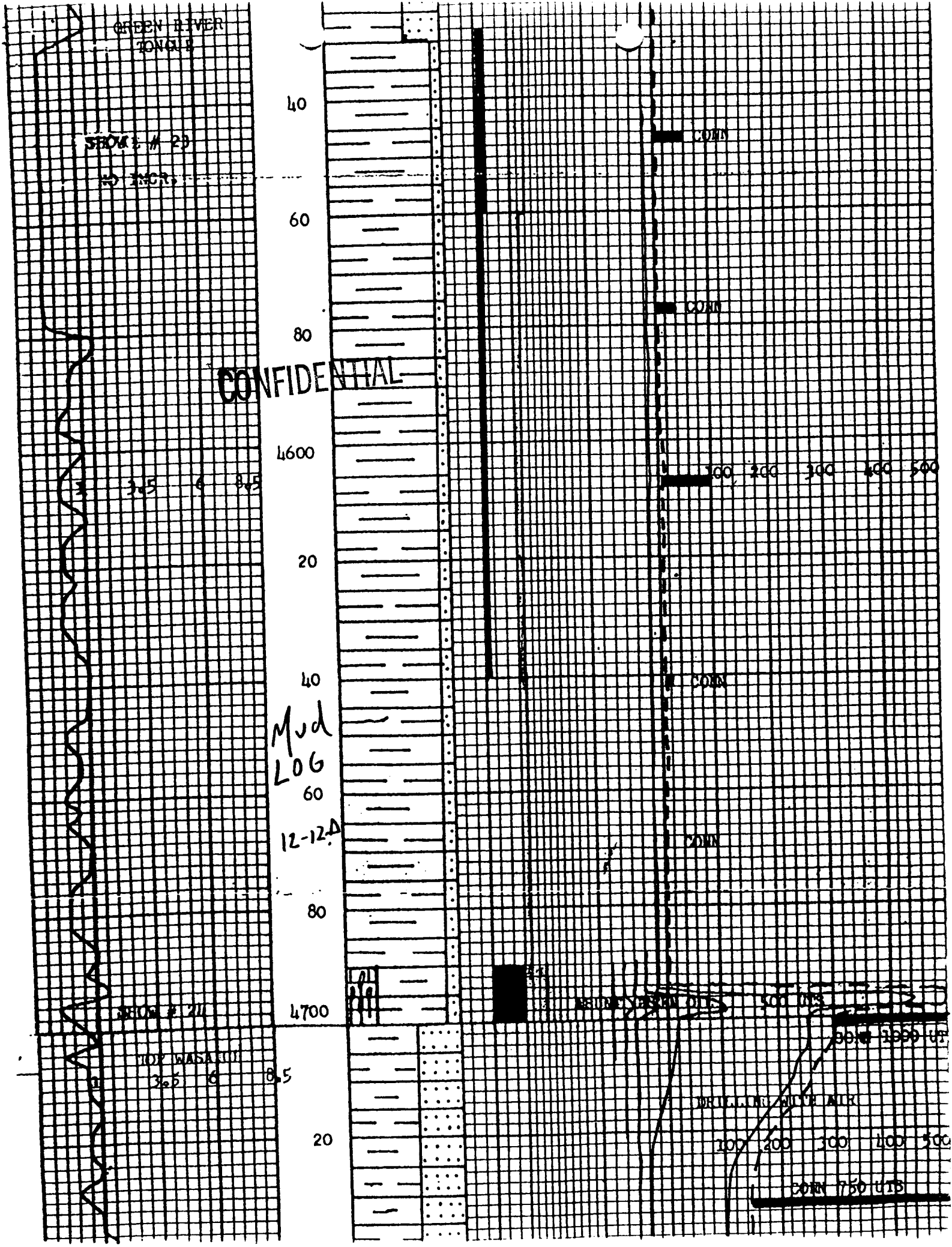
OTHER SERVICES
CDL-CN-GR
BHC-AC
DIPLOG
FMT

PERMANENT DATUM G.L. ELEV. 4937'
LOGGING MEASURED FROM K.B. 26 FT. ABOVE P.D.
DRILLING MEASURED FROM K.B.

ELEVATIONS
KB 4963'
DF 4962'
GL 4937'

DATE	10 MAY 86		
RUN	1		
SERVICE ORDER	95500		
DEPTH-DRILLER	10864'		
DEPTH-LOGGER	10857'		
BOTTOM LOGGED INTERVAL	10846'		
TOP LOGGED INTERVAL	3559'		
CASING - DRILLER	8 5/8	@ 3561'	@
CASING - LOGGER	3559'		
BIT SIZE	7 7/8		
TYPE FLUID IN HOLE	KCL/POLYMER		
DENSITY / VISCOSITY	9.8	42	
PH / FLUID LOSS	10.0	6.0	
SOURCE OF SAMPLE	TANK		
RM AT MEAS. TEMP.	.038	@ 75	@
RMF AT MEAS. TEMP.	.034	@ 75	@
RMC AT MEAS. TEMP.	.042	@ 75	@
SOURCE OF RMF / RMC	MEAS.	CALC.	
RM AT BHT	.015	@ 190	@
TIME SINCE CIRCULATION	24 HRS.		
MAX. REC. TEMP. DEG. F	198		
EQUIP. NO. / LOC.	HL 6351	ROOSEVELT	
RECORDED BY	K. FRANCIS		
WITNESSED BY	HUNTER/COFFIN/REEVES		


CONFIDENTIAL
04700
04800


GREEN RIVER
TONGUE
SHOW # 23
40
60
80
CONFIDENTIAL
4600
3.5
6
8.5
20
40
Mud
LOG
60
12-12A
80
SHOW # 24
4700
TOP WASATCH
3.5
6
8.5
20
CONN
CONN
100
200
300
400
500
CONN
CONN
500 UTS
1000 UT
DRILL IN MUD AIR
100
200
300
400
500
CONN 750 UTS

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-013821-A

6. If Indian, Allottee or Tribe Name

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

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

2. Name of Operator
CNG Producing Company

8. Well Name and No.
RBU 12-12D

3. Address and Telephone No.
1450 Poydras St., New Orleans, LA 70112-6000 (504) 593-7260

9. API Well No.
43-047-31651

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Surface - 2,069' FSL & 1,118' FSL of Sec. 12-T10S-R18E

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 - RETURN TO PRODUCTION	[ ] 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, includin estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measur and true vertical depths for all markers and zones pertinent to the work.)*

Well was returned to production on August 17, 1995 at 10:00 AM.

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

Signed Susan H. Sachitana Title Regulatory Specialist Date August 17, 1995
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

09/19/95 D E T A I L W E L L D A T A menu: opt 00

api num:	4304731651	prod zone: MVRD	sec	twnshp	range	qr-qr
entity:	10688 : RBU 12-12D		12	10.0 S	18.0 E	NWSW

well name: RBU 12-12D
operator: N0605 : CNG PRODUCING meridian: S
field: 695 : UTELAND BUTTE
confidential flag: confidential expires: alt addr flag:

* * * application to drill, deepen, or plug back * * *

lease number: U-013821-A lease type: 1 well type: GW
surface loc: 2069 FSL 1118 FWL unit name: RIVER BEND
prod zone loc: 2069 FSL 1118 FWL depth: 11600 proposed zone: MNCS
elevation: 4963' KB apd date: 850703 auth code: A-3
* * completion information * * date recd: 861215 la/pa date:
spud date: 851228 compl date: 861004 total depth: 10864'
producing intervals: 8505-10236'
bottom hole: 2069 FSL 1118 FWL first prod: 860623 well status: SGW
24hr oil: 2 24hr gas: 211 24hr water: 3 gas/oil ratio: 10550
* * well comments: directionl: api gravity:
870320 ENTITY ADDED:920131 INT PA:950614 INT PB TO GRRV PZ IN JULY 1995:

opt: 21 api: 4304731651 zone: date(yymm): enty acct:

Form 3160-5

UNIT 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 SEP 05 1995 DIV. OF OIL, GAS & MINING

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

2. Name of Operator
CNG Producing Company

3. Address and Telephone No.
1450 Poydras St., New Orleans, LA 70112-6000 (504) 593-7260

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Surface - 2,069' FSL & 1,118' FSL of Sec. 12-T10S-R18E

5. Lease Designation and Serial No.
U-013821-A

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
RBU 12-12D

9. API Well No.
43-047-31651

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 - RETURN TO PRODUCTION	[ ] 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.)*

Summary of Operations on RBU 12-12D

Rig up rig & equipment. Well had 3500 PSI SITP & 1200 PSI casing pressure. Bleed pressure off to 100 PSI. Pump 60 bbls down casing. Bleed tubing down to 650 PSI. Control well with 60 bbls 2% KCL. Nipple down tree. Nipple up BOP. Pull up on tubing. Packer wouldn't release. Work pipe for 1 1/2 hrs. Pump 60 bbls 2% KCL water down tubing. Well went on vacuum. Work pipe. Try to release packer. Couldn't free up packer. Well had SICP of 100 PSI & SITP of 1100 PSI. Bled pressure off casing. control casing with 40 bbls and tubing with 120 bbls of 2% KCL water. Rig up cutter. Run in hole & run freepoint. Stuck at packer. Pull out of hole. Run in hole with chemical cutter. Cut tubing off at 6,314' (10' above packer). Pull out of hole. Rig down wireline truck. Pull out of hole with 112 jts. Well started flowing. Circulate and flowed well for 2 1/2 hrs. Couldn't control well. Rig up casing to pit. Left casing flowing to pit on 18/64 choke. Bled pressure off tubing & casing to 200 PSI. Pump 150 bbls 2% KCL water down casing. Control well. Pull out of hole with 89 jts. Run in hole with overshot crossover. Bump sub. Bowen jars. Run in hole with 202 jts and sub. Got on fish. Jarred on fish 1/2 hr. Released packer. Pull out of hole with tubing and packer. Lay down fishing tools. Rig up Schlumberger. Run in hole with bridge plug & set at 5,010'. Pull out of hole. Bled gas off casing. Tested bridge plug to 1500 PSI. OK. Run in hole with 4' casing gun loaded with 4 SPF. Perforate 4,698-4,712'. Start out of hole. Gun blew up the hole. Had 300 PSI at surface. Bleed pressure off. Pull out of hole with gun. Rig up new head. Run in hole with casing gun. Tag bridge plug at 4,280'. Bridge plug had blown up hole. Pull out of hole. Rig down wireline truck. Bleed gas off in 5 minutes. Run in hole with 4 5/8" rock bit and sub. Run in hole with 28 jts. Well flowing. Filled hole with 30 bbls 2% KCL. Run in hole with 100 jts. Started flowing. Circulate hole. Run in hole. Tag bridge plug at 4,308'. Rig up power swivel and drilling equipment. Drilling on bridge plug for 45 minutes. Bridge plug released. Had 550 PSI at surface. Put well to bleeding pressure off casing valve to pit. Well had 300 PSI on casing. Bleed gas off to 0 PSI. Run in hole to 4,308'. Tag bridge plug. Fill hole with 160 bbls 2% KCL water. Bridge plug pump down hole. Run in hole to 6,191' with bit and tubing. Pull out of hole. Lay down 93 jts. Pull out of hole with 108 jts. Stand back in derrick. Rig up wireline truck. Run in hole with 5 1/2" bridge plug & set at 5,030'. Pull out of hole. Run GRCL. Tag bridge plug at 5,020'. Log from 5,026-4,000'. Log showed perf at 4,740-4,752' not at 4,698-4,712'. Pull out of hole. Rig down wireline truck. Bled pressure right off. Rig up wireline truck. Run GRCL from 5,026-4,500'. Flag line. Run in hole with bridge plug and set at 4,734'. Test plug to 3000 PSI. OK. Run in hole with 4" casing gun loaded with 4 SPF. Perforate 4,698-4,712' & 4,682-4,694'. Pull out of hole. Rig down wireline truck. Run in hole with mule shoe collar, seating nipple & 146 jts of 2 3/8" tubing. Set mule shoe collar at 4,546', seating nipple at 4,547'. Rig down rig & equipment. Rig up BJ to casing and tubing. Establish injection rate with 2% KCL water. Treated Green River Tongue (4,282' - 4,694' & 4,698-4,712') with 852 bbls of fluid and 155,560 lbs of 16/30 frac sand. Average treating pressure 2730 PSI. Flowed tubing to pit on 10/64 choke. Installed 18/64 choke after flowing 30 minutes with 1400 PSI on tubing. Rig up to tubing. Made 24 swab runs. Recovered 138 bbls water with 1st run at 2200'. Last run at 3,100'. Left well open to pit over the weekend. Begin swabbing with 1st run at 2,800'. Swab back estimated 89 bbls of water then started swabbing back 3 to 4% oil. Begin swabbing to test tank. Last run returning 6 to 8% oil. Made total of 26 runs. Swab back estimated 136 bbls. Last run at 3,400'. Small gas blow. Begin swabbing with 150 PSI on casing. 1st run at 2,600'. Made 30 runs. Swab back 104 bbls of fluid to test tank returning 10 to 15% oil. SICP 365 PSI with small gas blow out of tubing. Last run at 3,500'. Begin swabbing with 460 PSI on casing. 1st run at 2,600'. Made 32 runs. Swabbed back estimated 116 bbls of fluid 45 to 50% oil. Last run at 3,800'. Begin swabbing with 1st run at 2,000'. Made 6 runs. Swab back 28 bbls of fluid 60% oil. Vent gas off tubing. Change over to 2 3/8" equipment. Nipple down wellhead. Install BOP. Remove hanger & blast joint. Single in 5 jts 2 3/8" tubing & set at 4,719'. Rig up and circulate annulus. 50 bbls of water broke circulation. Circulate down 15' tubing 5 1/2" bridge plug at 5,734'. Circulate bottom up. Single down 151 jts 2 3/8" tubing. Change over to 2 7/8" equipment. Run 2 7/8" mule shoe collar, 1 jt 2 7/8" tubing, seating nipple and anchor. Single in 80 jts 2 7/8" tubing. Single in 72 jts 2 7/8" tubing. Install changeover 2 7/8" sub. Strip BOP. Set 5 1/2" TAC at 4,654'. Install adapter and tension on tubing at 14,000 lbs. Nipple up flange. Changeover to rod equipment. Pick up pump. Seat pump and fill tubing with 13 bbls of fluid. Pressure to 600 PSI on pump. Increase to 100 PSI on rod pump. Clamp off rods. Rig down. Clean off location and move out.

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

Signed John C. Prince, Jr. Title Senior Production Engineer Date August 31, 1995

(This space for Federal or State office use)

Approved by _____ Title _____ Date tha Credit 11/13/95

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 3160-4
(November 1983)
(formerly 9-330)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
SEP 05 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.: U-013821-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME: River Bend Unit

8. FARM OR LEASE NAME: RBU

9. WELL NO.: 12-12D

10. FIELD AND POOL, OR WILDCAT: ~~Island~~ UTE LAND BUTTE

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: NW SW of 12-T10S-R18E

1a. TYPE OF WELL: OIL WELL [ ] GAS WELL [X] DRY [ ] Other

1b. TYPE OF COMPLETION: NEW WELL [ ] WORK OVER [X] DEEP-EN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] Other

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 2,069' FSL & 1,118' FWL of Sec. 12-T10S-R18E
At top prod. interval reported below
At total depth

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
43-047-31651	04/03/85	Uintah	Utah

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATION (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
12/28/85	05/09/86	8/17/95	4,937' 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
10,864'			----------	Rotary	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
4,682-4,694' & 4,698-4,712' Green River Tongue

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: No new logs

27. WAS WELL CORED: Sidewall Cores

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	48#	250'	17"	Cement to surface	
8 5/8"	24#	3,555'	12 1/4"	Cement to surface	
5 1/2"	17# N-80	10,859.5'	7 7/8"	Cement with 2,604 sks	

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"	10,034'	6,320'

31. PERFORATION RECORD (Interval, size and number)
Zone #1 - 10,380-10,394'
Zone #2 - 10,228-10,236'
Zone #3 - 10,164-10,172'
Zone #4 - 10,088-10,100'
Zone #5 - 8,594-8,634'
Zone #6 - 8,505-8,519' & 8,528-8,531'
Zone #7 - 6,234-6,250'
Zone #8 - 5,564-5,578'
Zone #9 - 4,740-4,752'
Zone #10 - 4,698-4,712' & 4,682-4,694'

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
Zone #1	80,000 lbs of 20/40 frac sand
Zone #2	18,000 lbs of 20/40 frac sand
Zone #3	23,750 lbs of 20/40 frac sand
Zone #4	63,000 lbs of 20/40 frac sand
Zone #5	142,000 lbs of 20/40 frac sand
Zone #6	110,000 lbs of 20/40 frac sand
Zone #7	124,400 lbs of 20/40 frac sand
Zone #8	121,700 lbs of 20/40 frac sand
Zone #10	155,580 lbs of 16/30 Frac Sand

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)	WELL STATUS (Producing or shut-in)
7/16/95	Pumping	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL-BBL.	GAS-MCF.	WATER-BBL.	GAS-OIL RATIO
8/19/95	24	N/A	--------->	62	0	65	0

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24 HR RATE	OIL-BBL.	GAS-MCF.	WATER-BBL.	OIL GRAVITY-API (CORR.)
ON PUMP	N/A	-------->	62	0	65	35°

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

TEST WITNESSED BY: Mitch Hall

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 John C. Prince, Jr. TITLE Senior Production Engineer DATE August 31, 1995

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

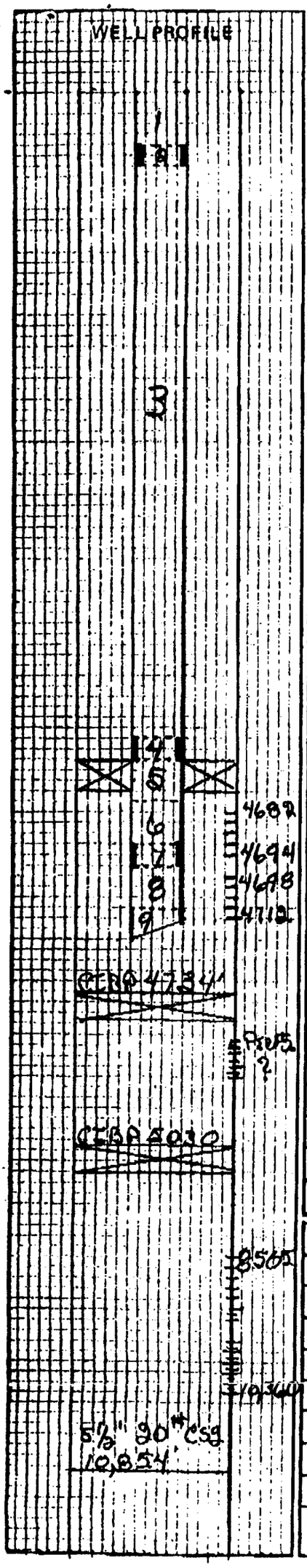
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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.
Green River	4,696'	4,710'	Dolomitic Packstone, oilitic
Green River	4,682'	4,692'	Sandstone

38. GEOLOGICAL MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Wasatch Tongue	4,170'	4,170'
Green River Tongue	4,558'	4,558'
Wasatch	4,726'	4,726'



OPERATOR CNG Producing
WELL # 12-12 D
FIELD River Bend UNIT
COUNTY Uintah
STATE UTAH
DATE 8-3-95
☐ NEW COMPLETION ☒ WORKOVER

	Casing	Liner	Tubing	
SIZE		5½"	2⅞"	
WEIGHT		20#	6.5#	
GRADE		N-80	J-55	
THREAD		8 RND	NU-LOK	
DEPTH		10854	4719	

ITEM NO.	EQUIPMENT AND SERVICES	
	STRETCH FOR 14,000# TENSION = 1.00	
	K.B. CORRECTED = 20.00	
1	2⅞" 8 RND Tbg. Sub. = 10.10	
2	2⅞" 8 RND BOX - X 2⅞" NU-LOK X-OVER = .90	
3	154 JTS. 2⅞" NU-LOK Tbg. = 4617.73 END @±	4619.13
4	2⅞" NU-LOK BOX X 2⅞" 8 RND PIN X-OVER = 1.10	
5	MTN. STS. 5½" Tbg ANCHOR = 2.75 END @±	4653.58
6	1 JT. 2⅞" 8 RND Tbg. = 32.42	
7	2⅞" + 45 PUMP SEAT NIPPLE = 1.10 TOP @±	4686.00
8	1 JT. 2⅞" 8 RND Tbg. = 31.81	
9	2⅞" MULE SHOE COLLAR = .30 EOT @±	4719.21
	ROD & PUMP DETAIL	
1	Polished Rod 1½" x 22'	
1	Pony Rod ¾" x 4'	
1	" " ¾" x 6'	
77	Sucker Rods ¾" x 25' w/ guides	
104	" " ⅝" x 25' w/ guides	
4	WT. BARS 1½" x 25'	
1	Pony Rod ¾" x 4'	
1	TRICO INSERT PMP. 2½" x 1½" x 19' w/ 3 CUP	
	TOP Hold down. MAX Stroke. 153" w/ 16'	
	Chrome Barrel & Spray metal plunger. 5' x -.003	
	F.T. Pmp. # CNG 34	

COMMENTS: Could be 2 DRAG SPRINGS FROM Tbg ANCHOR ON CIBP @ 4734'
Tbg. HANGING IN TENSION 14,000#
Tbg. TESTED TO 6000 PSI w/ RIG PMP & 1000 PSI w/ INSERT PMP

PREPARED BY	OFFICE	PHONE
C. WINKLER	ROOSEVELT	823-6846

MOUNTAIN STATES OIL TOOLS

Brighton, CO 303 659-8466 | Farmington, NM 505-326-5141 | Vernal, UT 801-789-7121 | Cortez, CO | Sterling, CO

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.
U-013821-A

6. If Indian, Allottee or Tribe Name

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

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

2. Name of Operator
CNG PRODUCING COMPANY

8. Well Name and No.
RBU 12-12D

3a. Address
1450 POYDRAS ST, NEW ORLEANS, LA 70112-6000

3b. Phone No. (include area code)
(504) 593-7000

9. API Well No.
43-047-31651

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SURFACE - 2,069' FSL & 1,118' FSL of Sec. 12-T10S-R18E

10. Field and Pool, or Exploratory Area
ISLAND

11. County or Parish, State
UINTAH, UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION			
[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	[ ] Other
	[ ] Change Plans	[ ] Plug and Abandonment	[ ] Temporarily Abandon	
	[ ] Convert to Injection	[ ] Plug Back	[X] 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.)

Pursuant to Onshore Order #7 effective October 8, 1993, CNG Producing Company hereby makes application under Section 3.D.2.iv for a disposal pit. The pit dimensions would be 60' x 60' with a minimum of 2' of free-board. The pit shall be fenced or enclosed to prevent access by livestock, wildlife and unauthorized personnel.

The well is not producing water now and is not expected to produce greater than 5 bbls of water when the well is flowing. All water is stored in tanks and is hauled to the RBU 16-19F injection well in the field for disposal. The main purpose for this pit is for housekeeping of the location and for the dehy dump.

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

14. I hereby certify that the forgoing is true and correct
Name (Printed/Typed)
SUSAN H. SACHITANA

Title
COORDINATOR, REGULATORY REPORTS

Signature
Susan H. Sachitana

Date
970513

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

RECEIVED
MAY 15 1997
DIV. OF OIL, GAS & MINING

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.: U-013821-A
6. If Indian, Allottee or Tribe Name:
7. If Unit or CA/ Agreement, Name and/or No.: RIVERBEND UNIT
8. Well Name and No.: RBU 12-12D
9. API Well No.: 43-047-31651
10. Field and Pool, or Exploratory Area: NATURAL BUTTES
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 - 2,069' FSL & 1,118' FSL of Sec. 12-T10S-R18E

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
[X] Subsequent Report	[ ] Alter Casing	[ ] Fracture Treat	[ ] Reclamation	[ ] Well Integrity
[ ] Final Abandonment Notice	[ ] Casing Repair	[ ] New Construction	[ ] Recomplete	[X] Other SUMMARY OF OPERATIONS
	[ ] 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.)

SUMMARY OF OPERATIONS 8/14/97 - 8/15/97

Rig up and pump 35 bbls 2% KCL water down casing and unseat pump. Pumped 28 bbls 2% KCL down tubing to wash paraffin off rods. Pull out of hole with pump and rods. Circulated 77 bbls of 140° water down tubing. Pumped 36 bbls Xylene down tubing and displaced 5 bbls into formation. Shut down 1/2 hr to allow Xylene to soak. Pumped 36 bbls 15% HCL into formation. Pumped 11 bbls of acid at 5 BPM at 500 PSI. Slowed pump rate to 2 BPM. Pumped 5 bbls of remaining acid into formation at 2 BPM at 400 PSI over flushed by 5 bbls. Instant shut in tubing pressure was 1000 PSI. In 5 minutes pressure decreased to 0 PSI and well went on slight vacuum. Circulated paraffin out Xylene to surface. Rig up swab equipment. Started swabbing back spent acid and Xylene. Running pump and rods to return well to production.

14. I hereby certify that the forgoing is true and correct
Name (Printed/Typed): SUSAN H. SACHITANA
Title: REGULATORY REPORTS ADMINISTRATOR
Signature: Susan H. Sachitana
Date: 980923

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, fictitio fraudulent statements or representations as to any matter within its jurisdiction.

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.: U-013821-A
6. If Indian, Allottee or Tribe Name:
7. If Unit or CA/ Agreement, Name and/or No.: RIVERBEND UNIT
8. Well Name and No.: RBU 12-12D
9. API Well No.: 43-047-31651
10. Field and Pool, or Exploratory Area: NATURAL BUTTES
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 - 2,069' FSL & 1,118' FSL of Sec. 12-T10S-R18E

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
[X] Subsequent Report	[ ] Alter Casing	[ ] Fracture Treat	[ ] Reclamation	[ ] Well Integrity
[ ] Final Abandonment Notice	[ ] Casing Repair	[ ] New Construction	[ ] Recomplete	[X] Othe SUMMARY OF OPERATIONS
	[ ] 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.)

SUMMARY OF OPERATIONS 8/14/97 - 8/15/97

Rig up and pump 35 bbls 2% KCL water down casing and unseat pump. Pumped 28 bbls 2% KCL down tubing to wash paraffin off rods. Pull out of hole with pump and rods. Circulated 77 bbls of 140° water down tubing. Pumped 36 bbls Xylene down tubing and displaced 5 bbls into formation. Shut down 1/2 hr to allow Xylene to soak. Pumped 36 bbls 15% HCL into formation. Pumped 11 bbls of acid at 5 BPM at 500 PSI. Slowed pump rate to 2 BPM. Pumped 5 bbls of remaining acid into formation at 2 BPM at 400 PSI over flushed by 5 bbls. Instant shut in tubing pressure was 1000 PSI. In 5 minutes pressure decreased to 0 PSI and well went on slight vacuum. Circulated paraffin cut Xylene to surface. Rig up swab equipment. Started swabbing back spent acid and Xylene. Running pump and rods to return well to production.

RECEIVED
SEP 25 1998
DIV. OF OIL, GAS & MINING

14. I hereby certify that the forgoing is true and correct
Name (Printed/Typed): SUSAN H. SACHITANA
Title: REGULATORY REPORTS ADMINISTRATOR
Signature: Susan H. Sachitana
Date: 980923

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by | Title | Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. | 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, fictitio fraudulent statements or representations as to any matter within its jurisdiction.

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.
U-013821-A

6. If Indian, Allottee or Tribe Name

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

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

2. Name of Operator
CNG PRODUCING COMPANY

8. Well Name and No.
RBU 12-12D

3a. Address
1450 POYDRAS ST, NEW ORLEANS, LA 70112-6000

3b. Phone No. (include area code)
(504) 593-7000

9. API Well No.
43-047-31651

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2,069' FSL & 1,118' FWL of Sec. 12-T10S-R18E

10. Field and Pool, or Exploratory Area
NATURAL BUTTES 630

11. County or Parish, State
UINTAH, UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION			
[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	[ ] Other
	[ ] Change Plans	[ ] Plug and Abandonment	[ ] Temporarily Abandon	
	[ ] Convert to Injection	[ ] Plug Back	[X] 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.)

Water produced from the above referenced well will be held in tanks until there is enough water to be hauled by a water truck. The water truck will then dispose of the water at Ace Water Disposal facility.

RECEIVED
MAR 08 1999
DIV. OF OIL, GAS & MINING

14. I hereby certify that the forgoing is true and correct
Name (Printed/Typed)
SUSAN H. SACHITANA

Title
REGULATORY REPORTS ADMINISTRATOR

Signature
Susan H. Sachitana

Date
990304

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: 3-10-99
Initials: CHD

Form 3160-5
(NOVEMBER 1994)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
APR 13 1999
DIV. OF OIL, GAS & MINING

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.
U-013821-A

6. If Indian, Allottee or Tribe Name

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

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

2. Name of Operator
CNG PRODUCING COMPANY

8. Well Name and No.
RBU 12-12D

3a. Address
1450 POYDRAS ST, NEW ORLEANS, LA 70112-6000

3b. Phone No. (include area code)
(504) 593-7000

9. API Well No.
43-047-31651

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2,069' FSL & 1,118' FWL of Sec. 12-T10S-R18E

10. Field and Pool, or Exploratory Area
NATURAL BUTTES 630

11. County or Parish, State
UINTAH, UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION			
[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 SUMMARY OF OPERATIONS
	[ ] 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.)

SUMMARY OF OPERATIONS FOR MARCH 17, 1999

Rig up workover rig and hot oiler. Pump 60 bbls 2% KCL water down casing. Remove horse head. Pick up on rods and unseat pump. Flush tubing with 35 bbls 2% KCL water. Pull out of hole with rods and pump 79 3/4" , 102 5/8" ,4 weight bars and 2 ½ x1 ½ x16' RHAC pump. Pick up new pump. Prime and run in hole with rods. Seat pump at 4,686' . Fill tubing with 15 bbls 2% KCL water and pressure test to 750 PSI with hot oiler. Held OK. Rig down hot oiler. Stroke pump to 600 PSI. Held OK. Hang horse head and space out rods. Rig down rig. Put well on production.

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: 990409

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.

5572894
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 — Vice President & Corporate Secretary (Title) — April 20, 2000 (Date)

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 Apr 2000 in the office of this Division and hereby issue this Certificate thereof.

Examiner _____ Date 2/1/00

JENSON
DIRECTOR

Date: 04/25/2000
Receipt Number: 22156
Amount Paid: $60.00

common\forms\Misc\amendcen
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

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

RECEI

JUN 05 2

DIVISION OF
OIL, GAS AN

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)

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: **7/1/2006**

FROM: (Old Operator):	**TO:** (New Operator):
N1095-Dominion E&P, Inc.	N2575-Gasco Production Company
14000 Quail Springs Pkwy, Suite 600	8 Inverness Dr E, Suite 100
Oklahoma City, OK 73134	Englewood, CO 80112
Phone: 1 (405) 749-1300	Phone: 1 (303) 483-0044

CA No. **Unit:**

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
RBU 2-11D	11	100S	180E	4304730826	7070	Federal	OW	S
SQUAW CROSSING U 5	02	100S	180E	4304730129	7070	State	OW	P
RBU 5-11D	11	100S	180E	4304730409	9005	Federal	GW	P
RBU 4-11D	11	100S	180E	4304730718	7070	Federal	OW	S
RBU 6-2D	02	100S	180E	4304731190	7075	State	OW	S
RBU 14-2D	02	100S	180E	4304731191	7070	State	OW	PA
RBU 6-11D	11	100S	180E	4304731192	7070	Federal	OW	P
RBU 13-2D	02	100S	180E	4304731280	7070	State	OW	P
RBU 16-3D	03	100S	180E	4304731352	7070	Federal	OW	P
RBU 16-2D	02	100S	180E	4304731353	7091	State	OW	PA
RBU 10-11D	11	100S	180E	4304731357	7053	Federal	OW	S
RBU 8-11D	11	100S	180E	4304731358	7054	Federal	OW	S
RBU 8-10D	10	100S	180E	4304731364	4955	Federal	OW	P
RBU 12-2D	02	100S	180E	4304731452	9041	State	OW	PA
RBU 15-3D	03	100S	180E	4304731539	9965	Federal	OW	S
RBU 12-12D	12	100S	180E	4304731651	10688	Federal	GW	P
RBU 2-10D	10	100S	180E	4304731801	10784	Federal	OW	P
RBU 3-10D	10	100S	180E	4304731832	4955	Federal	NA	PA
RBU 1-10D	10	100S	180E	4304734312	14493	Federal	GW	P

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: 8/24/2006
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 8/24/2006
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 5/17/2004
4. Is the new operator registered in the State of Utah: YES Business Number: 1454161-0143
5. If **NO**, the operator was contacted contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE

6b. Inspections of LA PA state/fee well sites complete on: n/a

6c. Reports current for Production/Disposition & Sundries on: ok

7. **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
8. **Federal and Indian Units:**
   The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 8/30/2006
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 8/30/2026
3. Bond information entered in RBDMS on: 8/30/2006
4. Fee/State wells attached to bond in RBDMS on: 8/30/2006

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT1233 State/Fee Wells 4127763

FORM 9

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NUMBER: See Attached List
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME:
8. WELL NAME and NUMBER:
9. API NUMBER:
10. FIELD AND POOL, OR WILDCAT:

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER _____

2. NAME OF OPERATOR: Dominion Exploration & Production, Inc. N1095

3. ADDRESS OF OPERATOR: 14000 Quail Springs CITY Oklahoma City STATE OK ZIP 73134 PHONE NUMBER: (405) 749-1300

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
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 (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, 2006, Dominion Exploration & Production, Inc. has sold the wells on the attached list to:

Gasco Production Company N 2575
8 Inverness Drive East, Suite 100
Englewood, CO 80112

John D. Longwell - V.P. Operations
(303) 483-0044

UT1233 - State Wide BLM Bond
4127763 - Blanket Drilling Bond

RECEIVED
AUG 24 2006
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Jason Garner TITLE Asset Manager - Rocky Mountain Division
SIGNATURE J.A. Garner DATE 8/10/2006

(This space for State use only)
APPROVED 8/30/06
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

(5/2000) (See Instructions on Reverse Side)

43-047-31651
10S 18E 12

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Vernal Field Office
170 South 500 East
Vernal, UT 84078
(435) 781-4400 Fax: (435) 781-4410
http://www.blm.gov/utah/vernal

TAKE PRIDE IN AMERICA

IN REPLY REFER TO:
3162.3
UT08300

September 28, 2006

John D. Longwell
Gasco Production Company
8 Inverness Drive East, Suite 100
Englewood, Colorado 80112

Re: Well No. RBU 12-12D
NWSW, Sec. 12, T10S, R18E
Uintah County, Utah
Lease No. UTU-013821-A

Dear Mr. Longwell:

This correspondence is in regard to the self-certification statement submitted requesting a change in operator for the referenced well. After a review by this office, the change in operator request is approved. Effective immediately, Gasco Production Company is responsible for all operations performed on the referenced well. All liability will now fall under your bond, BLM Bond No. UT1233, for all operations conducted on the referenced well on the leased land.

If you have any other questions concerning this matter, please contact Cindy Severson of this office at (435) 781-4455.

Sincerely,

Matt Baker
Petroleum Engineer

cc: UDOGM
Dominion E & P, Inc.

RECEIVED
OCT 23 2006
DIV. OF OIL, GAS & MINING

Form 3160-5
(August, 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
AUG 2 4 2006

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

5. Lease Serial No.
U-013821-A

6. If Indian, Allottee or Tribe Name

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

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
See Attached List

2. Name of Operator
Gasco Production Company

9. API Well No.

3a. Address
8 Inverness Drive East, Suite 100, Denver CO 80112

3b. Phone No. (include area code)
(303) 483-0044

10. Field and Pool, or Exploratory Area
Natural Buttes

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

11. County or Parish, State
Uintah, UT

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

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

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

Effective July 1, 2006, Gasco Production Company has purchased the wells listed on the attachment from:

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

Jason Garner - Asset Manager - Rocky Mountain Division

Please be advised that Gasco Production Company is considered to be the operator of the wells on the attached list, Lease #U-013821-A, Uintah County, and is responsible under the terms and conditions of the lease for the operations conducted upon the lease lands. Bond coverage is provided by State Wide BLM Bond #UT1233.

RECEIVED
OCT 2 3 2006
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed) John D. Longwell — Title V.P. Operations
Signature — Date 8/10/2006

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by — Title Petroleum Engineer — Date SEP 2 8 2006

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

Office

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

WELL NAME	API NUMBER	SEC., TWN., RGN	FED/STATE LSE #
RBU 3-12D	43-047-33739	Sec. 12-10S-18E	BLM U-013821-A
RBU 12-12D	43-047-31651	Sec. 12-10S-18E	"

Form 3160- 5
(April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004- 0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

5. Lease Serial No. U-013821-A
6. If Indian, Allottee, or Tribe Name
7. If Unit or CA. Agreement Name and/or No.
8. Well Name and No. See list below
9. API Well No.
10. Field and Pool, or Exploratory Area
11. County or Parish, State

1. Type of Well: [ ] Oil Well [X] Gas Well [ ] Other
2. Name of Operator: Gasco Production Company
3a. Address: 8 Inverness Drive East Ste 100 Englewood, Co 80112
3b. Phone No. *(include area code)*: 303-483-0044
4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*

12. CHECK APPROPRIATE BOX(S) 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
	[ ] Altering 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	[X] 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.

This is to inform you that effective immediately we will be disposing of produced water from wells within this lease as follows:

All produced water from this well will be trucked off the location and disposed of at the Desert Spring State Evaporation Facility NW 1/4 of Section 36-T9S-R18E Uintah County, Utah. Which is owned by Gasco Production Company. A copy of the approved permit for this facility is attached.

The wells within this lease are:

RBU 12-12D NW SW of Sec 12-T10S-R18E Uintah Cnty, Utah 043-047-31651
RBU 3-12D NE NW of Sec 12-T10S-R18E Uintah Cnty, Utah 043-047-33739

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

RECEIVED
OCT 2 4 2006
DIV. OF OIL, GAS & MINING

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

Name *(Printed/ Typed)*: Beverly Walker
Title: Engineering Tech
Signature: Beverly Walker
Date: October 18, 2006

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 any department or agency of the United States any false, fictitiousor fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

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 proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – Other instructions on reverse side

5. Lease Serial No.: *U-013821-A*
6. If Indian, Allottee or Tribe Name: *NA*
7. If Unit or CA/Agreement, Name and/or No.:
8. Well Name and No.: *RBU 12-12D*
9. API Well No.: *43-047-31651*
10. Field and Pool, or Exploratory Area: *Uteland Butte*
11. County or Parish, State: *Uintah County, Utah*

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
Gasco Production Company

3a. Address: *8 Inverness Dr E, Englewood, Colorado 80112*

3b. Phone No. *(include area code)*: *303-483-0044*

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
2069' FSL & 1118' FWL NW SW of Section 12-T10S-R18E

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 *Site Security*
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ 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.

Please find attached a copy of the site security diagram for this well.

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

Name *(Printed/Typed)*: *Beverly Walker*

Title: *Engineering Technician*

Signature: *Beverly Walker*

Date: *March 8, 2007*

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

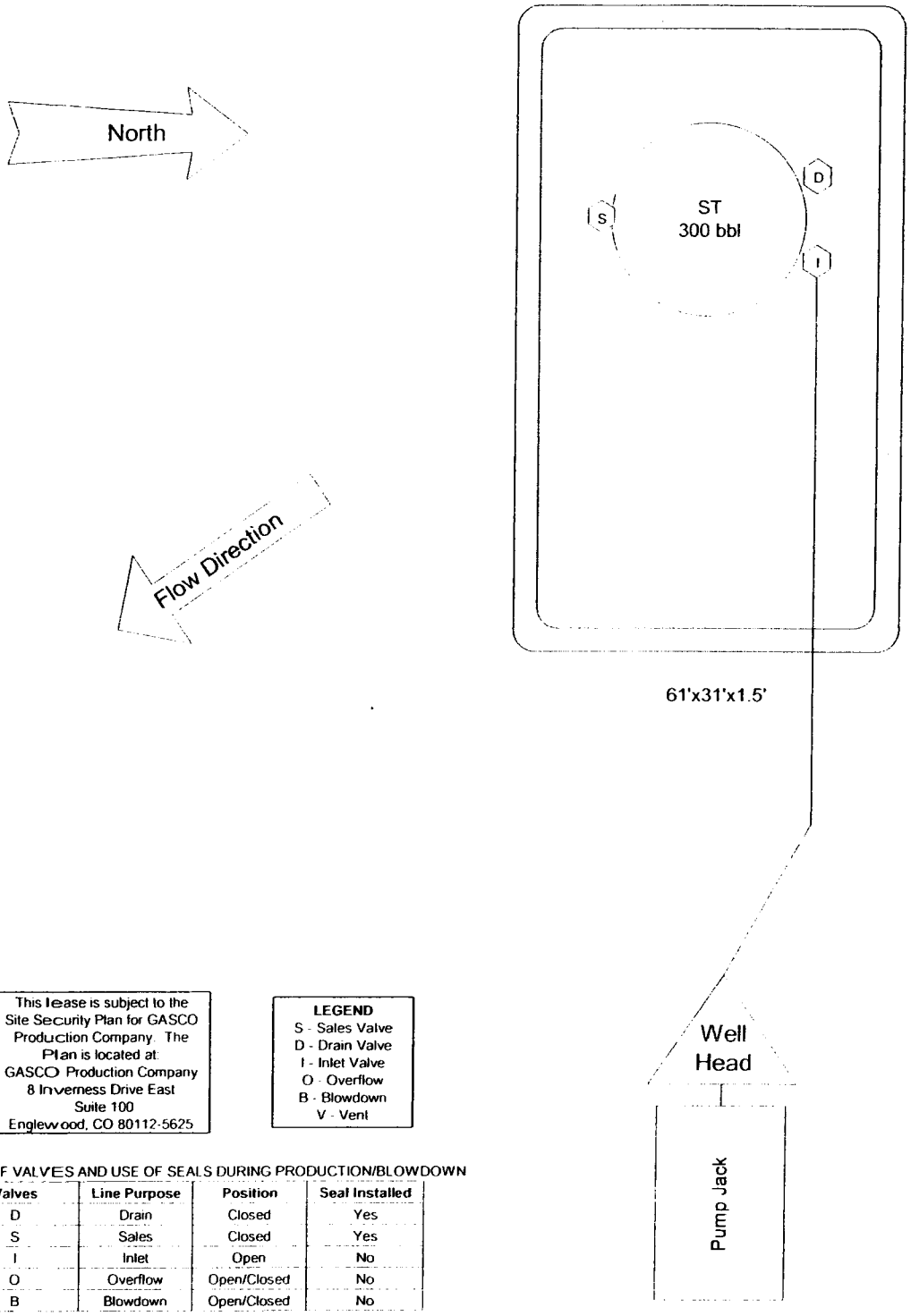
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

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

(Instructions on reverse)

RECEIVED
MAR 1 2 2007
DIV. OF OIL, GAS & MINING



This lease is subject to the Site Security Plan for GASCO Production Company. The Plan is located at:
GASCO Production Company
8 Inverness Drive East
Suite 100
Englewood, CO 80112-5625

LEGEND
S - Sales Valve
D - Drain Valve
I - Inlet Valve
O - Overflow
B - Blowdown
V - Vent

POSITION OF VALVES AND USE OF SEALS DURING PRODUCTION/BLOWDOWN

Valves	Line Purpose	Position	Seal Installed
D	Drain	Closed	Yes
S	Sales	Closed	Yes
I	Inlet	Open	No
O	Overflow	Open/Closed	No
B	Blowdown	Open/Closed	No

POSITION OF VALVES AND USE OF SEALS DURING SALES

Valves	Line Purpose	Position	Seal Installed
D	Drain	Closed	Yes
S	Sales	Open	No
I	Inlet	Closed	Yes
O	Overflow	Closed	Yes
B	Blowdown	Closed	Yes

POSITION OF VALVES AND USE OF SEALS DURING WATER DRAIN

Valves	Line Purpose	Position	Seal Installed
D	Drain	Open	No
S	Sales	Closed	Yes
I	Inlet	Closed	No
O	Overflow	Closed	No
B	Blowdown	Closed	No

BUYS & ASSOCIATES, INC.
ENVIRONMENTAL CONSULTANTS

GASCO Production Company
RBU 12-12D
NW/SW Sec. 12, Twp. 10S, Rge. 18E
Uintah County, Utah

API Well No: 43047316510000

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-013821A

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 Gas Well

8. WELL NAME and NUMBER: RBU 12-12D

2. NAME OF OPERATOR: GASCO PRODUCTION COMPANY

9. API NUMBER: 43047316510000

3. ADDRESS OF OPERATOR: 8 Inverness Dr. East, Suite 100 , Englewood, CO, 80112

PHONE NUMBER: 303 483-0044 Ext

9. FIELD and POOL or WILDCAT: UTELAND BUTTE

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2069 FSL 1118 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 12 Township: 10.0S Range: 18.0E 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: 1/1/2011	☐ 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.

Gasco would like to dispose of water at Integrated Water management, LLC state approved commercial disposal facility located in Section 30, 2 south Range 4 west in North Blue Bench UT. This facility would be used in addition to the currently approved disposal facilities that Gasco uses to dispose of water from this well.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
01/05/2011

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Jessica Berg	303 996-1805	Production Clerk
SIGNATURE N/A		**DATE** 12/31/2010

RECEIVED December 31, 2010

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-013821-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:

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER: RBU 12-12D

2. NAME OF OPERATOR:

9. API NUMBER: 43047316510000

3. ADDRESS OF OPERATOR:
, , ,

PHONE NUMBER: Ext

9. FIELD and POOL or WILDCAT: UTELAND BUTTE

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
2069 FSL 1118 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NWSW Section: 12 Township: 10.0S Range: 18.0E 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: 7/30/2012	☐ 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.

Gasco is changing the status of this well from a gas well to an oil well. This well was plugged back at 4734' and recompleted as an oil well on August 31, 1995. Gasco purchased this well in 2006.

Approved by the Utah Division of Oil, Gas and Mining

Date: August 20, 2012

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Jessica Berg	303 996-1805	Production Tech

SIGNATURE	DATE
N/A	7/30/2012

RECEIVED: Jul. 30, 2012

RECEIVED: Jul. 30, 2012

RM
~~BSH~~
PIC

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
440 West 200 South, Suite 500
Salt Lake City, UT 84101
http://www.blm.gov/ut/st/en.html

RECEIVED
JUN 02 2014
DIV. OF OIL, GAS & MINING

IN REPLY REFER TO:
3180 (UTU90215X)
UT9220000

MAY 29 2014

Mr. Brandon Casey
Gasco Energy, Inc. N2575
7979 East Tufts Avenue, Suite 1150
Denver, Colorado 80237
unit #830

Dear Mr. Casey:

Your application of May 8, 2014, filed with the Bureau of Land Management, Branch of Minerals, Salt Lake City, Utah, requests the designation of the River Bend Green River Enhanced Recovery Unit, embracing 2,480.68 acres located in Uintah County, Utah, as logically subject to operations under unitization provisions of the Mineral Leasing Act, as amended, and acceptance of the proposed form of unit agreement.

Pursuant to unit plan regulations 43 CFR 3105, the land requested as outlined on your plat marked "Exhibit 'A' River Bend Green River Enhanced Recovery", Contract No. UTU90215X, is acceptable as a logical unit area for the purpose of enhanced recovery operations.

The form of unit agreement and Exhibits "A", "B" and "C" as submitted with your application are acceptable. In the absence of any objections not now apparent, a duly executed agreement, identical with said form, will be approved if submitted in approvable status within a reasonable period of time.

If you have any questions, please contact Judy Nordstrom of this office at (801) 539-4080.

Sincerely,

Roger L. Bankert

Roger L. Bankert
Chief, Branch of Minerals

cc: UDOGM
SITLA
BLM FOM – Vernal (UTG01) w/enclosures

River Bend Green River Enhanced Recover Unit
Effective 1 September 2014

Well Name	Section	TWN	RNG	API Number	Type	Status
RBU 6-2D	2	100S	180E	4304731190	OW	P
RBU 13-2D	2	100S	180E	4304731280	OW	P
UTELAND ST 41-2-10-18	2	100S	180E	4304737132	GW	P
UTELAND ST 43-2-10-18	2	100S	180E	4304737338	GW	P
UTELAND ST 21-2-10-18	2	100S	180E	4304737676	GW	P
UTELAND ST 12-2-10-18	2	100S	180E	4304737677	GW	P
UTELAND ST 34-2-10-18	2	100S	180E	4304738028	GW	P
SQUAW CROSSING U 5	2	100S	180E	4304730129	OW	S
RBU 16-3D	3	100S	180E	4304731352	OW	P
RBU 15-3D	3	100S	180E	4304731539	OW	P
RBU 8-10D	10	100S	180E	4304731364	OW	P
RBU 2-10D	10	100S	180E	4304731801	OW	P
RBU 1-10D	10	100S	180E	4304734312	OW	S
RBU 5-11D	11	100S	180E	4304730409	OW	P
RBU 10-11D	11	100S	180E	4304731357	OW	P
UTELAND FED 42-11-10-18	11	100S	180E	4304738896	GW	P
RBU 4-11D	11	100S	180E	4304730718	OW	S
RBU 2-11D	11	100S	180E	4304730826	OW	S
RBU 6-11D	11	100S	180E	4304731192	OW	S
RBU 12-12D	12	100S	180E	4304731651	OW	P
RBU 3-12D	12	100S	180E	4304733739	OW	P

Division of Oil, Gas and Mining
Operator Change/Name Change Worksheet-for State use only

Effective Date: 4/16/2015

FORMER OPERATOR:	NEW OPERATOR:
Gasco Prodcution Company N2575 7979 E. Tufts Avenue, Suite 11500 Denver, CO 80237 303-996-1805	Badlands Production Company N4265 7979 E. Tufts Avenue, Suite 11500 Denver, CO 80237 303-996-1805
CA Number(s):	Unit(s):Gate Canyon, Wilkin Ridge Deep, RBU-EOR-GRRV

WELL INFORMATION:

Well Name	Sec	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
See Attached List									

OPERATOR CHANGES DOCUMENTATION:

1. Sundry or legal documentation was received from the **FORMER** operator on: 6/2/2015
2. Sundry or legal documentation was received from the **NEW** operator on: 6/2/2015
3. New operator Division of Corporations Business Number: 1454161-0143

REVIEW:

1. Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: 6/2/2015
2. Receipt of Acceptance of Drilling Procedures for APD on: N/A
3. Reports current for Production/Disposition & Sundries: 6/3/2015
4. OPS/SI/TA well(s) reviewed for full cost bonding: 1/20/2016
5. UIC5 on all disposal/injection/storage well(s) approved on: N/A
6. Surface Facility(s) included in operator change: None
7. Inspections of PA state/fee well sites complete on (only upon operators request): N/A

NEW OPERATOR BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: SUR0027842
2. Indian well(s) covered by Bond Number: N/A
3.State/fee well(s) covered by Bond Number(s): SUR0027845
SUR0035619 -FCB

DATA ENTRY:

1. Well(s) update in the **OGIS** on: 1/22/2016
2. Entity Number(s) updated in **OGIS** on: 1/22/2016
3. Unit(s) operator number update in **OGIS** on: 1/22/2016
4. Surface Facilities update in **OGIS** on: N/A
5. State/Fee well(s) attached to bond(s) in **RBDMS** on: 1/22/2016
6. Surface Facilities update in **RBDMS** on: N/A

LEASE INTEREST OWNER NOTIFICATION:

1. The **NEW** operator of the Fee (Mineral) wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 1/22/2016

COMMENTS:

From: Gasco Production Company
To: Badlands Production Company
Effective Date: 4/16/2015

Well Name	Section	TWN	RNG	API Number	Entity	Mineral	Surface	Type	Status
FEDERAL 23-18G-9-19	18	090S	190E	4304752496		Federal	Federal	OW	APD
FEDERAL 14-17G-9-19	17	090S	190E	4304752522		Federal	Federal	OW	APD
FEDERAL 13-18G-9-19	18	090S	190E	4304752538		Federal	Federal	OW	APD
FEDERAL 23-29G-9-19	29	090S	190E	4304752544		Federal	Federal	OW	APD
FEDERAL 24-20G-9-19	20	090S	190E	4304752545		Federal	Federal	OW	APD
FEDERAL 31-21G-9-19	21	090S	190E	4304752546		Federal	Federal	OW	APD
Federal 323-29-9-19	29	090S	190E	4304753026		Federal	Federal	GW	APD
Federal 421-29-9-19	29	090S	190E	4304753027		Federal	Federal	GW	APD
Federal 322-29-9-19	29	090S	190E	4304753029		Federal	Federal	GW	APD
Federal 431-29-9-19	29	090S	190E	4304753030		Federal	Federal	GW	APD
Federal 432-29-9-19	29	090S	190E	4304753031		Federal	Federal	GW	APD
Federal 414-29-9-19	29	090S	190E	4304753070		Federal	Federal	GW	APD
FEDERAL 412-29-9-19	29	090S	190E	4304753073		Federal	Federal	GW	APD
FEDERAL 213-29-9-19	29	090S	190E	4304753076		Federal	Federal	GW	APD
federal 321-29-9-19	29	090S	190E	4304753078		Federal	Federal	GW	APD
FEDERAL 213-29-9-19	29	090S	190E	4304753079		Federal	Federal	GW	APD
FEDERAL 321-29-9-19	29	090S	190E	4304753080		Federal	Federal	GW	APD
Federal 212-29-9-19	29	090S	190E	4304753133		Federal	Federal	GW	APD
State 321-32-9-19	32	090S	190E	4304754479		State	State	GW	APD
State 423-32-9-19	32	090S	190E	4304754480		State	State	GW	APD
State 421-32-9-19	32	090S	190E	4304754481		State	State	GW	APD
State 413-32-9-19	32	090S	190E	4304754482		State	State	GW	APD
State 323-32-9-19	32	090S	190E	4304754483		State	State	GW	APD
State 431-32-9-19	32	090S	190E	4304754529		State	State	GW	APD
Desert Spring State 224-36-9-18	36	090S	180E	4304754541		State	State	GW	APD
Desert Spring State 243-36-9-18	36	090S	180E	4304754542		State	State	GW	APD
Desert Spring State 241-36-9-18	36	090S	180E	4304754543		State	State	GW	APD
FEDERAL 332-30-9-19	30	090S	190E	4304753012	19650	Federal	Federal	GW	DRL
WILKIN RIDGE FED 43-29-10-17	29	100S	170E	4301333098	15941	Federal	Federal	GW	OPS
LAMB TRUST 11-23-9-19	23	090S	190E	4304736915	16556	Fee	Fee	GW	OPS
SHEEP WASH FED 43-26-9-18	26	090S	180E	4304738573	17201	Federal	Federal	GW	OPS
FEDERAL 13-19-9-19	19	090S	190E	4304739777	18344	Federal	Federal	GW	OPS
FEDERAL 12-17-9-19	17	090S	190E	4304739800	17202	Federal	Federal	GW	OPS
GATE CYN 31-21-11-15	21	110S	150E	4301332391	13787	State	State	GW	P
WILKIN RIDGE ST 12-32-10-17	32	100S	170E	4301332447	14033	State	State	GW	P
GATE CYN 41-20-11-15	20	110S	150E	4301332475	14417	State	State	GW	P
WILKIN RIDGE FED 34-17-10-17	17	100S	170E	4301332560	14726	Federal	Federal	GW	P
GATE CYN 41-19-11-16	19	110S	160E	4301332611	14439	Federal	Federal	GW	P
WILKIN RIDGE ST 44-32-10-17	32	100S	170E	4301332619	15649	State	State	GW	P
WILKIN RIDGE FED 12-4-11-17	4	110S	170E	4301332674	15537	Federal	Federal	GW	P
WILKIN RIDGE ST 24-32-10-17	32	100S	170E	4301332676	15242	State	State	GW	P
WILKIN RIDGE FED 23-29-10-17	29	100S	170E	4301332679	14033	Federal	Federal	GW	P
GATE CYN ST 23-16-11-15	16	110S	150E	4301332685	16082	State	State	GW	P
WILKIN RIDGE ST 34-16-10-17	16	100S	170E	4301332730	15243	State	State	GW	P
WILKIN RIDGE FED 31-29-10-17	29	100S	170E	4301332773	15370	Federal	Federal	GW	P
WILKIN RIDGE 32-08	8	110S	170E	4301332778	14802	Federal	Federal	GW	P
GATE CYN ST 23-16-11-16	16	110S	160E	4301332888	15098	State	State	GW	P
WILKIN RIDGE FED 24-20-10-17	20	100S	170E	4301333081	15714	Federal	Federal	GW	P
WILKIN RIDGE FED 32-20-10-17	20	100S	170E	4301333087	15807	Federal	Federal	GW	P
WILKIN RIDGE FED 14-4-11-17	4	110S	170E	4301333099	15920	Federal	Federal	GW	P
RYE PATCH FED 22-21	22	110S	140E	4301333437	16919	Federal	Federal	GW	P
RYE PATCH FED 24-21	24	110S	140E	4301333443	16367	Federal	Federal	GW	P
SQUAW CROSSING U 5	2	100S	180E	4304730129	16266	State	State	OW	P
RBU 5-11D	11	100S	180E	4304730409	9005	Federal	Federal	OW	P
FEDERAL 7-25A	25	090S	180E	4304730624	9030	Federal	Federal	OW	P

From: Gasco Production Company
To: Badlands Production Company
Effective Date: 4/16/2015

RBU 6-2D	2	100S	180E	4304731190	7075	State	State	OW	P
NGC 33-18J	18	090S	190E	4304731200	6155	Federal	Federal	OW	P
RBU 13-2D	2	100S	180E	4304731280	16267	State	State	OW	P
RBU 16-3D	3	100S	180E	4304731352	16268	Federal	Federal	OW	P
RBU 10-11D	11	100S	180E	4304731357	7053	Federal	Federal	OW	P
RBU 8-10D	10	100S	180E	4304731364	4955	Federal	Federal	OW	P
RBU 15-3D	3	100S	180E	4304731539	9965	Federal	Federal	OW	P
RBU 12-12D	12	100S	180E	4304731651	10688	Federal	Federal	OW	P
RBU 2-10D	10	100S	180E	4304731801	10784	Federal	Federal	OW	P
RBU 3-15D	15	100S	180E	4304733600	13213	Federal	Federal	OW	P
RBU 3-12D	12	100S	180E	4304733739	14492	Federal	Federal	OW	P
STATE 7-36A	36	090S	180E	4304733741	14244	State	State	GW	P
FEDERAL 34-29	29	090S	190E	4304733750	13174	Federal	Federal	GW	P
FEDERAL 24-7 #1	7	100S	180E	4304733983	13182	Federal	Federal	GW	P
FEDERAL 23-29 #1	29	090S	190E	4304734111	13441	Federal	Federal	GW	P
FED 24-20-9-19	20	090S	190E	4304734168	14150	Federal	Federal	GW	P
FED 44-20-9-19	20	090S	190E	4304734169	14140	Federal	Federal	GW	P
FED 23-21-9-19	21	090S	190E	4304734199	13601	Federal	Federal	GW	P
FED 32-31-9-19	31	090S	190E	4304734201	13641	Federal	Federal	GW	P
FED 42-29-9-19	29	090S	190E	4304734202	13455	Federal	Federal	GW	P
PETES WASH 23-12 #1	12	100S	170E	4304734286	13492	Federal	Federal	GW	P
STATE 4-32B	32	090S	190E	4304734314	14440	State	State	GW	P
FED 14-18-2 #1	18	100S	180E	4304734539	13491	Federal	Federal	GW	P
FED 43-24-3 #1	24	100S	170E	4304734551	13726	Federal	Federal	GW	P
LYTHAM FED 22-22-9-19	22	090S	190E	4304734607	13640	Federal	Federal	GW	P
FED 11-21-9-19	21	090S	190E	4304734608	14151	Federal	Federal	GW	P
FED 22-30-10-18	30	100S	180E	4304734924	14280	Federal	Federal	GW	P
FEDERAL 43-30-9-19	30	090S	190E	4304735343	14202	Federal	Federal	GW	P
FED 11-22-9-19	22	090S	190E	4304735404	14203	Federal	Federal	GW	P
FED 42-21-9-19	21	090S	190E	4304735405	14928	Federal	Federal	GW	P
STATE 24-16-9-19	16	090S	190E	4304735588	14418	State	Federal	GW	P
FEDERAL 31-21-9-19	21	090S	190E	4304735606	14441	Federal	Federal	GW	P
FEDERAL 12-29-9-19	29	090S	190E	4304735614	14442	Federal	Federal	GW	P
FEDERAL 24-31-9-19	31	090S	190E	4304735623	14640	Federal	Federal	GW	P
FEDERAL 41-31-9-19	31	090S	190E	4304735624	14419	Federal	Federal	GW	P
LAMB TRUST 24-22-9-19	22	090S	190E	4304735732	14496	Fee	Fee	GW	P
LAMB TRUST 24-14-9-19	14	090S	190E	4304735733	14519	Fee	Fee	GW	P
FEDERAL 11-22-10-18	22	100S	180E	4304735808	15592	Federal	Federal	GW	P
FEDERAL 21-6-10-19	6	100S	190E	4304735844	14356	Federal	Federal	GW	P
DESERT SPRING ST 41-36-9-18	36	090S	180E	4304735845	14639	State	State	GW	P
STATE 12-32-9-19	32	090S	190E	4304735995	14871	State	State	GW	P
FEDERAL 12-20-9-19	20	090S	190E	4304736093	14976	Federal	Federal	GW	P
FEDERAL 32-20-9-19	20	090S	190E	4304736094	16120	Federal	Federal	GW	P
FEDERAL 23-30-9-19	30	090S	190E	4304736095	14872	Federal	Federal	GW	P
SHEEP WASH FED 34-26-9-18	26	090S	180E	4304736113	15096	Federal	Federal	GW	P
DESERT SPRING ST 23-36-9-18	36	090S	180E	4304736219	14738	State	State	GW	P
DESERT SPRING ST 21-36-9-18	36	090S	180E	4304736220	14763	State	State	GW	P
DESERT SPRING ST 12-36-9-18	36	090S	180E	4304736233	14764	State	State	GW	P
DESERT SPRING ST 43-36-9-18	36	090S	180E	4304736241	14992	State	State	GW	P
DESERT SPRING ST 34-36-9-18	36	090S	180E	4304736242	14716	State	State	GW	P
FEDERAL 14-31-9-19	31	090S	190E	4304736271	15884	Federal	Federal	GW	P
FEDERAL 12-31-9-19	31	090S	190E	4304736336	15086	Federal	Federal	GW	P
FEDERAL 21-31-9-19	31	090S	190E	4304736368	15605	Federal	Federal	GW	P
FEDERAL 23-31-9-19	31	090S	190E	4304736442	15715	Federal	Federal	GW	P
SHEEP WASH FED 43-25-9-18	25	090S	180E	4304736600	14977	Federal	Federal	GW	P
FEDERAL 43-19-9-19	19	090S	190E	4304736719	15186	Federal	Federal	GW	P

From: Gasco Production Company
To: Badlands Production Company
Effective Date: 4/16/2015

SHEEP WASH FED 21-25-9-18	25	090S	180E	4304736727	15475	Federal	Federal	GW	P
FEDERAL 21-30-9-19	30	090S	190E	4304736739	15476	Federal	Federal	GW	P
SHEEP WASH FED 23-25-9-18	25	090S	180E	4304736740	15213	Federal	Federal	GW	P
FEDERAL 23-19-9-19	19	090S	190E	4304736771	15355	Federal	Federal	GW	P
SHEEP WASH FED 41-25-9-18	25	090S	180E	4304736772	15338	Federal	Federal	GW	P
FEDERAL 41-30-9-19	30	090S	190E	4304736817	15212	Federal	Federal	GW	P
LAMB TRUST 34-22-9-19	22	090S	190E	4304736913	15187	Fee	Fee	GW	P
LAMB TRUST 14-14-9-19	14	090S	190E	4304736916	17012	Fee	Fee	GW	P
DESERT SPRING ST 33-36-9-18	36	090S	180E	4304737115	15011	State	State	GW	P
FEDERAL 14-17-9-19	17	090S	190E	4304737116	16163	Federal	Federal	GW	P
FEDERAL 34-18-9-19	18	090S	190E	4304737117	16275	Federal	Federal	GW	P
UTELAND ST 41-2-10-18	2	100S	180E	4304737132	15087	State	State	GW	P
UTELAND ST 43-2-10-18	2	100S	180E	4304737338	15365	State	State	GW	P
FEDERAL 41-19-9-19	19	090S	190E	4304737611	16311	Federal	Federal	GW	P
FEDERAL 32-30-9-19	30	090S	190E	4304737612	16051	Federal	Federal	GW	P
FEDERAL 12-30-9-19	30	090S	190E	4304737613	16052	Federal	Federal	GW	P
FEDERAL 21-19-9-19	19	090S	190E	4304737621	16253	Federal	Federal	GW	P
FEDERAL 14-18-9-19	18	090S	190E	4304737622	16264	Federal	Federal	GW	P
FEDERAL 34-30-9-19	30	090S	190E	4304737630	16557	Federal	Federal	GW	P
DESERT SPRING FED 21-1-10-18	1	100S	180E	4304737631	15961	Federal	Federal	GW	P
FEDERAL 12-1-10-18	1	100S	180E	4304737646	16023	Federal	Federal	GW	P
SHEEP WASH FED 14-25-9-18	25	090S	180E	4304737647	16121	Federal	Federal	GW	P
UTELAND ST 21-2-10-18	2	100S	180E	4304737676	16254	State	State	GW	P
UTELAND ST 12-2-10-18	2	100S	180E	4304737677	15806	State	State	GW	P
UTELAND ST 34-2-10-18	2	100S	180E	4304738028	16868	State	State	GW	P
FEDERAL 14-19-9-19	19	090S	190E	4304738336	16467	Federal	Federal	GW	P
FEDERAL 34-19-9-19	19	090S	190E	4304738337	16119	Federal	Federal	GW	P
SHEEP WASH FED 41-26-9-18	26	090S	180E	4304738351	16884	Federal	Federal	GW	P
SHEEP WASH FED 32-25-9-18	25	090S	180E	4304738352	16349	Federal	Federal	GW	P
SHEEP WASH FED 34-25-9-18	25	090S	180E	4304738353	16210	Federal	Federal	GW	P
FEDERAL 12-19-9-19	19	090S	190E	4304738407	16236	Federal	Federal	GW	P
SHEEP WASH FED 23-26-9-18	26	090S	180E	4304738465	16558	Federal	Federal	GW	P
SHEEP WASH FED 12-25-9-18	25	090S	180E	4304738469	16449	Federal	Federal	GW	P
FEDERAL 23-18-9-19	18	090S	190E	4304738575	16312	Federal	Federal	GW	P
LAMB TRUST 34-22A-9-19	22	090S	190E	4304738673	15832	Fee	Fee	GW	P
UTELAND FED 42-11-10-18	11	100S	180E	4304738896	16792	Federal	Federal	GW	P
STATE 21-32B	32	090S	190E	4304739170	16309	State	State	GW	P
STATE 22-32A	32	090S	190E	4304739171	16308	State	State	GW	P
STATE 21-32A	32	090S	190E	4304739172	16310	State	State	GW	P
FEDERAL 11-19-9-19	19	090S	190E	4304739717	17054	Federal	Federal	GW	P
SHEEP WASH FED 31-25-9-18	25	090S	180E	4304739729	17241	Federal	Federal	GW	P
SHEEP WASH FED 11-25-9-18	25	090S	180E	4304739730	17266	Federal	Federal	GW	P
DESERT SPG FED 41-1-10-18	1	100S	180E	4304739773	17013	Federal	Federal	GW	P
FED 32-19X-9-19(RIGSKID)	19	090S	190E	4304740233	17014	Federal	Federal	GW	P
FEDERAL 23-30G-9-19	30	090S	190E	4304751280	18211	Federal	Federal	OW	P
FEDERAL 34-19G-9-19	19	090S	190E	4304751281	18210	Federal	Federal	OW	P
FEDERAL 442-30-9-19	30	090S	190E	4304752870	19647	Federal	Federal	GW	P
FEDERAL 333-30-9-19	30	090S	190E	4304752872	19648	Federal	Federal	GW	P
FEDERAL 423-30-9-19	30	090S	190E	4304753011	19649	Federal	Federal	GW	P
Desert Springs State 412-36-9-18	36	090S	180E	4304753324	19783	State	State	GW	P
Desert Springs State 424-36-9-18	36	090S	180E	4304753325	19783	State	State	GW	P
Desert Springs State 133-36-9-18	36	090S	180E	4304753326	19747	State	State	GW	P
Desert Spring State 142-36-9-18	36	090S	180E	4304753327	19747	State	State	GW	P
DESERT SPRINGS ST 422-36-9-18	36	090S	180E	4304753328	19783	State	State	GW	P
WILKIN RIDGE ST 31-32-10-17	32	100S	170E	4301332677	15144	State	State	GW	S
RBU 4-11D	11	100S	180E	4304730718	16269	Federal	Federal	OW	S

From: Gasco Production Company
To: Badlands Production Company
Effective Date: 4/16/2015

RBU 2-11D	11	100S	180E	4304730826	16270	Federal	Federal	OW	S
RBU 6-11D	11	100S	180E	4304731192	16271	Federal	Federal	OW	S
STATE 2-32B	32	090S	190E	4304732221	11371	State	State	GW	S
STATE 9-36A	36	090S	180E	4304732225	11364	State	State	GW	S
FEDERAL 13-30B	30	090S	190E	4304733581	13249	Federal	Federal	GW	S
STATE 13-36A	36	090S	180E	4304733598	17838	State	State	GW	S
FEDERAL 16-26A	26	090S	180E	4304733601	12928	Federal	Federal	GW	S
FEDERAL 31-29	29	090S	190E	4304733653	13077	Federal	Federal	GW	S
RBU 1-10D	10	100S	180E	4304734312	16265	Federal	Federal	OW	S
FEDERAL 13-18-9-19	18	090S	190E	4304739776	17149	Federal	Federal	GW	S

FORM 9

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

5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-76482

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT 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.

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: Desert Spring Fed 21-1-10-18

2. NAME OF OPERATOR: Gasco Production Company

9. API NUMBER: 4304737631

3. ADDRESS OF OPERATOR: 7979 E. Tufts Ave. CITY Denver STATE CO ZIP 80237 PHONE NUMBER: (303) 483-0044

10. FIELD AND POOL, OR WILDCAT: Uteland Butte

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 0633 FNL 1512 FWL COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 1 10S 18E 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
4/16/2015	☐ 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.

Gasco Production Company requests a change of operator on this well, in addition to the wells on the attached list from Gasco Production Company to Badlands Production Company, effective date of 4/16/2015.

Gasco Production Company
7979 E Tufts Ave, Suite 1150
Denver CO 80237
303-996-1805

Michael Decker, Exec. Vice President & COO

Badlands Production Company
7979 E Tufts Ave, Suite 1150
Denver CO 80237
303-996-1805

Michael Decker, Exec. Vice President & COO

RECEIVED
JUN 02 2015
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Lindsey Cooke TITLE Engineering Tech

SIGNATURE Lindsey Cooke DATE 5/18/2015

(This space for State use only)

APPROVED
JAN 22 2016
DIV. OIL GAS & MINING
BY: Rachel Medina

(5/2000) (See Instructions on Reverse Side)

Well Name	Section	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
FEDERAL 332-30-9-19	30	090S	190E	4304753012	19650	Federal	Federal	GW	DRL
WILKIN RIDGE FED 43-29-10-17	29	100S	170E	4301333098	15941	Federal	Federal	GW	OPS
LAMB TRUST 11-23-9-19	23	090S	190E	4304736915	16556	Fee	Fee	GW	OPS
SHEEP WASH FED 43-26-9-18	26	090S	180E	4304738573	17201	Federal	Federal	GW	OPS
FEDERAL 13-19-9-19	19	090S	190E	4304739777	18344	Federal	Federal	GW	OPS
FEDERAL 12-17-9-19	17	090S	190E	4304739800	17202	Federal	Federal	GW	OPS
GATE CYN 31-21-11-15	21	110S	150E	4301332391	13787	State	State	GW	P
WILKIN RIDGE ST 12-32-10-17	32	100S	170E	4301332447	14033	State	State	GW	P
GATE CYN 41-20-11-15	20	110S	150E	4301332475	14417	State	State	GW	P
WILKIN RIDGE FED 34-17-10-17	17	100S	170E	4301332560	14726	Federal	Federal	GW	P
GATE CYN 41-19-11-16	19	110S	160E	4301332611	14439	Federal	Federal	GW	P
WILKIN RIDGE ST 44-32-10-17	32	100S	170E	4301332619	15649	State	State	GW	P
WILKIN RIDGE FED 12-4-11-17	4	110S	170E	4301332674	15537	Federal	Federal	GW	P
WILKIN RIDGE ST 24-32-10-17	32	100S	170E	4301332676	15242	State	State	GW	P
WILKIN RIDGE FED 23-29-10-17	29	100S	170E	4301332679	14033	Federal	Federal	GW	P
GATE CYN ST 23-16-11-15	16	110S	150E	4301332685	16082	State	State	GW	P
WILKIN RIDGE ST 34-16-10-17	16	100S	170E	4301332730	15243	State	State	GW	P
WILKIN RIDGE FED 31-29-10-17	29	100S	170E	4301332773	15370	Federal	Federal	GW	P
WILKIN RIDGE 32-08	8	110S	170E	4301332778	14802	Federal	Federal	GW	P
GATE CYN ST 23-16-11-16	16	110S	160E	4301332888	15098	State	State	GW	P
WILKIN RIDGE FED 24-20-10-17	20	100S	170E	4301333081	15714	Federal	Federal	GW	P
WILKIN RIDGE FED 32-20-10-17	20	100S	170E	4301333087	15807	Federal	Federal	GW	P
WILKIN RIDGE FED 14-4-11-17	4	110S	170E	4301333099	15920	Federal	Federal	GW	P
RYE PATCH FED 22-21	22	110S	140E	4301333437	16919	Federal	Federal	GW	P
RYE PATCH FED 24-21	24	110S	140E	4301333443	16367	Federal	Federal	GW	P
RBU 5-11D	11	100S	180E	4304730409	9005	Federal	Federal	OW	P
FEDERAL 7-25A	25	090S	180E	4304730624	9030	Federal	Federal	OW	P
RBU 6-2D	2	100S	180E	4304731190	7075	State	State	OW	P
NGC 33-18J	18	090S	190E	4304731200	6155	Federal	Federal	OW	P
RBU 13-2D	2	100S	180E	4304731280	16267	State	State	OW	P
RBU 16-3D	3	100S	180E	4304731352	16268	Federal	Federal	OW	P
RBU 10-11D	11	100S	180E	4304731357	7053	Federal	Federal	OW	P
RBU 8-10D	10	100S	180E	4304731364	4955	Federal	Federal	OW	P
RBU 15-3D	3	100S	180E	4304731539	9965	Federal	Federal	OW	P
RBU 12-12D	12	100S	180E	4304731651	10688	Federal	Federal	OW	P
RBU 2-10D	10	100S	180E	4304731801	10784	Federal	Federal	OW	P
RBU 3-15D	15	100S	180E	4304733600	13213	Federal	Federal	OW	P
RBU 3-12D	12	100S	180E	4304733739	14492	Federal	Federal	OW	P
STATE 7-36A	36	090S	180E	4304733741	14244	State	State	GW	P
FEDERAL 34-29	29	090S	190E	4304733750	13174	Federal	Federal	GW	P
FEDERAL 24-7 #1	7	100S	180E	4304733983	13182	Federal	Federal	GW	P
FEDERAL 23-29 #1	29	090S	190E	4304734111	13441	Federal	Federal	GW	P
FED 24-20-9-19	20	090S	190E	4304734168	14150	Federal	Federal	GW	P
FED 44-20-9-19	20	090S	190E	4304734169	14140	Federal	Federal	GW	P
FED 23-21-9-19	21	090S	190E	4304734199	13601	Federal	Federal	GW	P
FED 32-31-9-19	31	090S	190E	4304734201	13641	Federal	Federal	GW	P
FED 42-29-9-19	29	090S	190E	4304734202	13455	Federal	Federal	GW	P
PETES WASH 23-12 #1	12	100S	170E	4304734286	13492	Federal	Federal	GW	P
STATE 4-32B	32	090S	190E	4304734314	14440	State	State	GW	P
FED 14-18-2 #1	18	100S	180E	4304734539	13491	Federal	Federal	GW	P
FED 43-24-3 #1	24	100S	170E	4304734551	13726	Federal	Federal	GW	P
LYTHAM FED 22-22-9-19	22	090S	190E	4304734607	13640	Federal	Federal	GW	P
FED 11-21-9-19	21	090S	190E	4304734608	14151	Federal	Federal	GW	P
FED 22-30-10-18	30	100S	180E	4304734924	14280	Federal	Federal	GW	P
FEDERAL 43-30-9-19	30	090S	190E	4304735343	14202	Federal	Federal	GW	P
FED 11-22-9-19	22	090S	190E	4304735404	14203	Federal	Federal	GW	P
FED 42-21-9-19	21	090S	190E	4304735405	14928	Federal	Federal	GW	P
STATE 24-16-9-19	16	090S	190E	4304735588	14418	State	Federal	GW	P

FEDERAL 31-21-9-19	21	090S	190E	4304735606	14441	Federal	Federal	GW	P
FEDERAL 12-29-9-19	29	090S	190E	4304735614	14442	Federal	Federal	GW	P
FEDERAL 24-31-9-19	31	090S	190E	4304735623	14640	Federal	Federal	GW	P
FEDERAL 41-31-9-19	31	090S	190E	4304735624	14419	Federal	Federal	GW	P
LAMB TRUST 24-22-9-19	22	090S	190E	4304735732	14496	Fee	Fee	GW	P
LAMB TRUST 24-14-9-19	14	090S	190E	4304735733	14519	Fee	Fee	GW	P
FEDERAL 11-22-10-18	22	100S	180E	4304735808	15592	Federal	Federal	GW	P
FEDERAL 21-6-10-19	6	100S	190E	4304735844	14356	Federal	Federal	GW	P
DESERT SPRING ST 41-36-9-18	36	090S	180E	4304735845	14639	State	State	GW	P
STATE 12-32-9-19	32	090S	190E	4304735995	14871	State	State	GW	P
FEDERAL 12-20-9-19	20	090S	190E	4304736093	14976	Federal	Federal	GW	P
FEDERAL 32-20-9-19	20	090S	190E	4304736094	16120	Federal	Federal	GW	P
FEDERAL 23-30-9-19	30	090S	190E	4304736095	14872	Federal	Federal	GW	P
SHEEP WASH FED 34-26-9-18	26	090S	180E	4304736113	15096	Federal	Federal	GW	P
DESERT SPRING ST 23-36-9-18	36	090S	180E	4304736219	14738	State	State	GW	P
DESERT SPRING ST 21-36-9-18	36	090S	180E	4304736220	14763	State	State	GW	P
DESERT SPRING ST 12-36-9-18	36	090S	180E	4304736233	14764	State	State	GW	P
DESERT SPRING ST 43-36-9-18	36	090S	180E	4304736241	14992	State	State	GW	P
DESERT SPRING ST 34-36-9-18	36	090S	180E	4304736242	14716	State	State	GW	P
FEDERAL 14-31-9-19	31	090S	190E	4304736271	15884	Federal	Federal	GW	P
FEDERAL 12-31-9-19	31	090S	190E	4304736336	15086	Federal	Federal	GW	P
FEDERAL 21-31-9-19	31	090S	190E	4304736368	15605	Federal	Federal	GW	P
FEDERAL 23-31-9-19	31	090S	190E	4304736442	15715	Federal	Federal	GW	P
SHEEP WASH FED 43-25-9-18	25	090S	180E	4304736600	14977	Federal	Federal	GW	P
FEDERAL 43-19-9-19	19	090S	190E	4304736719	15186	Federal	Federal	GW	P
SHEEP WASH FED 21-25-9-18	25	090S	180E	4304736727	15475	Federal	Federal	GW	P
FEDERAL 21-30-9-19	30	090S	190E	4304736739	15476	Federal	Federal	GW	P
SHEEP WASH FED 23-25-9-18	25	090S	180E	4304736740	15213	Federal	Federal	GW	P
FEDERAL 23-19-9-19	19	090S	190E	4304736771	15355	Federal	Federal	GW	P
SHEEP WASH FED 41-25-9-18	25	090S	180E	4304736772	15338	Federal	Federal	GW	P
FEDERAL 41-30-9-19	30	090S	190E	4304736817	15212	Federal	Federal	GW	P
LAMB TRUST 34-22-9-19	22	090S	190E	4304736913	15187	Fee	Fee	GW	P
LAMB TRUST 14-14-9-19	14	090S	190E	4304736916	17012	Fee	Fee	GW	P
DESERT SPRING ST 33-36-9-18	36	090S	180E	4304737115	15011	State	State	GW	P
FEDERAL 14-17-9-19	17	090S	190E	4304737116	16163	Federal	Federal	GW	P
FEDERAL 34-18-9-19	18	090S	190E	4304737117	16275	Federal	Federal	GW	P
UTELAND ST 41-2-10-18	2	100S	180E	4304737132	15087	State	State	GW	P
UTELAND ST 43-2-10-18	2	100S	180E	4304737338	15365	State	State	GW	P
FEDERAL 41-19-9-19	19	090S	190E	4304737611	16311	Federal	Federal	GW	P
FEDERAL 32-30-9-19	30	090S	190E	4304737612	16051	Federal	Federal	GW	P
FEDERAL 12-30-9-19	30	090S	190E	4304737613	16052	Federal	Federal	GW	P
FEDERAL 21-19-9-19	19	090S	190E	4304737621	16253	Federal	Federal	GW	P
FEDERAL 14-18-9-19	18	090S	190E	4304737622	16264	Federal	Federal	GW	P
FEDERAL 34-30-9-19	30	090S	190E	4304737630	16557	Federal	Federal	GW	P
DESERT SPRING FED 21-1-10-18	1	100S	180E	4304737631	15961	Federal	Federal	GW	P
FEDERAL 12-1-10-18	1	100S	180E	4304737646	16023	Federal	Federal	GW	P
SHEEP WASH FED 14-25-9-18	25	090S	180E	4304737647	16121	Federal	Federal	GW	P
UTELAND ST 21-2-10-18	2	100S	180E	4304737676	16254	State	State	GW	P
UTELAND ST 12-2-10-18	2	100S	180E	4304737677	15806	State	State	GW	P
UTELAND ST 34-2-10-18	2	100S	180E	4304738028	16868	State	State	GW	P
FEDERAL 14-19-9-19	19	090S	190E	4304738336	16467	Federal	Federal	GW	P
FEDERAL 34-19-9-19	19	090S	190E	4304738337	16119	Federal	Federal	GW	P
SHEEP WASH FED 41-26-9-18	26	090S	180E	4304738351	16884	Federal	Federal	GW	P
SHEEP WASH FED 32-25-9-18	25	090S	180E	4304738352	16349	Federal	Federal	GW	P
SHEEP WASH FED 34-25-9-18	25	090S	180E	4304738353	16210	Federal	Federal	GW	P
FEDERAL 12-19-9-19	19	090S	190E	4304738407	16236	Federal	Federal	GW	P
SHEEP WASH FED 23-26-9-18	26	090S	180E	4304738465	16558	Federal	Federal	GW	P
SHEEP WASH FED 12-25-9-18	25	090S	180E	4304738469	16449	Federal	Federal	GW	P
FEDERAL 23-18-9-19	18	090S	190E	4304738575	16312	Federal	Federal	GW	P

LAMB TRUST 34-22A-9-19	22	090S	190E	4304738673	15832	Fee	Fee	GW	P
UTELAND FED 42-11-10-18	11	100S	180E	4304738896	16792	Federal	Federal	GW	P
STATE 21-32B	32	090S	190E	4304739170	16309	State	State	GW	P
STATE 22-32A	32	090S	190E	4304739171	16308	State	State	GW	P
STATE 21-32A	32	090S	190E	4304739172	16310	State	State	GW	P
FEDERAL 11-19-9-19	19	090S	190E	4304739717	17054	Federal	Federal	GW	P
SHEEP WASH FED 31-25-9-18	25	090S	180E	4304739729	17241	Federal	Federal	GW	P
SHEEP WASH FED 11-25-9-18	25	090S	180E	4304739730	17266	Federal	Federal	GW	P
DESERT SPG FED 41-1-10-18	1	100S	180E	4304739773	17013	Federal	Federal	GW	P
FED 32-19X-9-19(RIGSKID)	19	090S	190E	4304740233	17014	Federal	Federal	GW	P
FEDERAL 23-30G-9-19	30	090S	190E	4304751280	18211	Federal	Federal	OW	P
FEDERAL 34-19G-9-19	19	090S	190E	4304751281	18210	Federal	Federal	OW	P
FEDERAL 442-30-9-19	30	090S	190E	4304752870	19647	Federal	Federal	GW	P
FEDERAL 333-30-9-19	30	090S	190E	4304752872	19648	Federal	Federal	GW	P
FEDERAL 423-30-9-19	30	090S	190E	4304753011	19649	Federal	Federal	GW	P
Desert Springs State 412-36-9-18	36	090S	180E	4304753324	19783	State	State	GW	P
Desert Springs State 424-36-9-18	36	090S	180E	4304753325	19783	State	State	GW	P
Desert Springs State 133-36-9-18	36	090S	180E	4304753326	19747	State	State	GW	P
Desert Spring State 142-36-9-18	36	090S	180E	4304753327	19747	State	State	GW	P
DESERT SPRINGS ST 422-36-9-18	36	090S	180E	4304753328	19783	State	State	GW	P
WILKIN RIDGE ST 31-32-10-17	32	100S	170E	4301332677	15144	State	State	GW	S
SQUAW CROSSING U 5	2	100S	180E	4304730129	16266	State	State	OW	S
RBU 4-11D	11	100S	180E	4304730718	16269	Federal	Federal	OW	S
RBU 2-11D	11	100S	180E	4304730826	16270	Federal	Federal	OW	S
RBU 6-11D	11	100S	180E	4304731192	16271	Federal	Federal	OW	S
STATE 2-32B	32	090S	190E	4304732221	11371	State	State	GW	S
STATE 9-36A	36	090S	180E	4304732225	11364	State	State	GW	S
FEDERAL 13-30B	30	090S	190E	4304733581	13249	Federal	Federal	GW	S
STATE 13-36A	36	090S	180E	4304733598	17838	State	State	GW	S
FEDERAL 16-26A	26	090S	180E	4304733601	12928	Federal	Federal	GW	S
FEDERAL 31-29	29	090S	190E	4304733653	13077	Federal	Federal	GW	S
RBU 1-10D	10	100S	180E	4304734312	16265	Federal	Federal	OW	S
FEDERAL 13-18-9-19	18	090S	190E	4304739776	17149	Federal	Federal	GW	S