

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

5. Lease Designation and Serial Number:  
**Patented**

6. If Indian, Allottee or Tribe Name:  
**N/A**

7. Unit Agreement Name:  
**N/A**

8. Farm or Lease Name:  
**Helper & Assoc.**

9. Well Number:  
**7-307**

10. Field or Pool, or Wildcat:  
**Undesignated**

11. Qtr/Qtr, Section, Township, Range, Meridian:  
**SE/4,NW/4 Section 7, T15S, R9E, SLB&M**

12. County:  
**Carbon**

13. State:  
**UTAH**

14. Distance in miles and direction from nearest town or post office:  
**9.0 miles southwest of Price, Utah**

15. Distance to nearest property or lease line (feet): **600'**

16. Number of acres in lease:  
**632.60 acres**

17. Number of acres assigned to this well:  
**160 acres**

18. Distance to nearest well, drilling, completed, or applied for, on this lease (feet): **1600'**

19. Proposed Depth:  
**3900'**

20. Rotary or cable tools:  
**Rotary**

21. Elevations (show whether DF, RT, GR, etc.):  
**6469' GR**

22. Approximate date work will start:  
**March 1999**

**APPLICATION FOR PERMIT TO DRILL OR DEEPEN**

1A. Type of Work: **DRILL**  **DEEPEN**

B. Type of Well: **OIL**  **GAS**  OTHER: **SINGLE ZONE**  **MULTIPLE ZONE**

2. Name of Operator:  
**River Gas Corporation**

3. Address and Telephone Number:  
**1305 South 100 East, Price, UT 84501 (435)637-8876**

4. Location of Well (Footages)  
At Surface: **1814 FNL, 2003' FWL**  
At Proposed Producing Zone: **653 611**

**CONFIDENTIAL**

*503 656 0016  
43761 96.51 N*

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**9.0 miles southwest of Price, Utah**

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**Carbon**

13. State:  
**UTAH**

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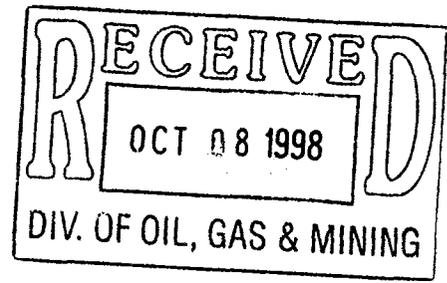
20. Rotary or cable tools:  
**Rotary**

22. Approximate date work will start:  
**March 1999**

**PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
14"	12-3/4"	Conductor	25'	
11"	J-55 8-5/8"	24#/ft	390'	149 sks G+2%CaCl+1/4# per sack floccel
7-7/8"	N-80 5-1/2"	17#/ft	3900'	343 sks 50/50poz8%gel+2%CaCl+10%extender 75 sks "G" thixotropic

DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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. Name & Signature: **Don S. Hamilton** *Don S. Hamilton* Title: **Permit Specialist** Date: **10/6/98**

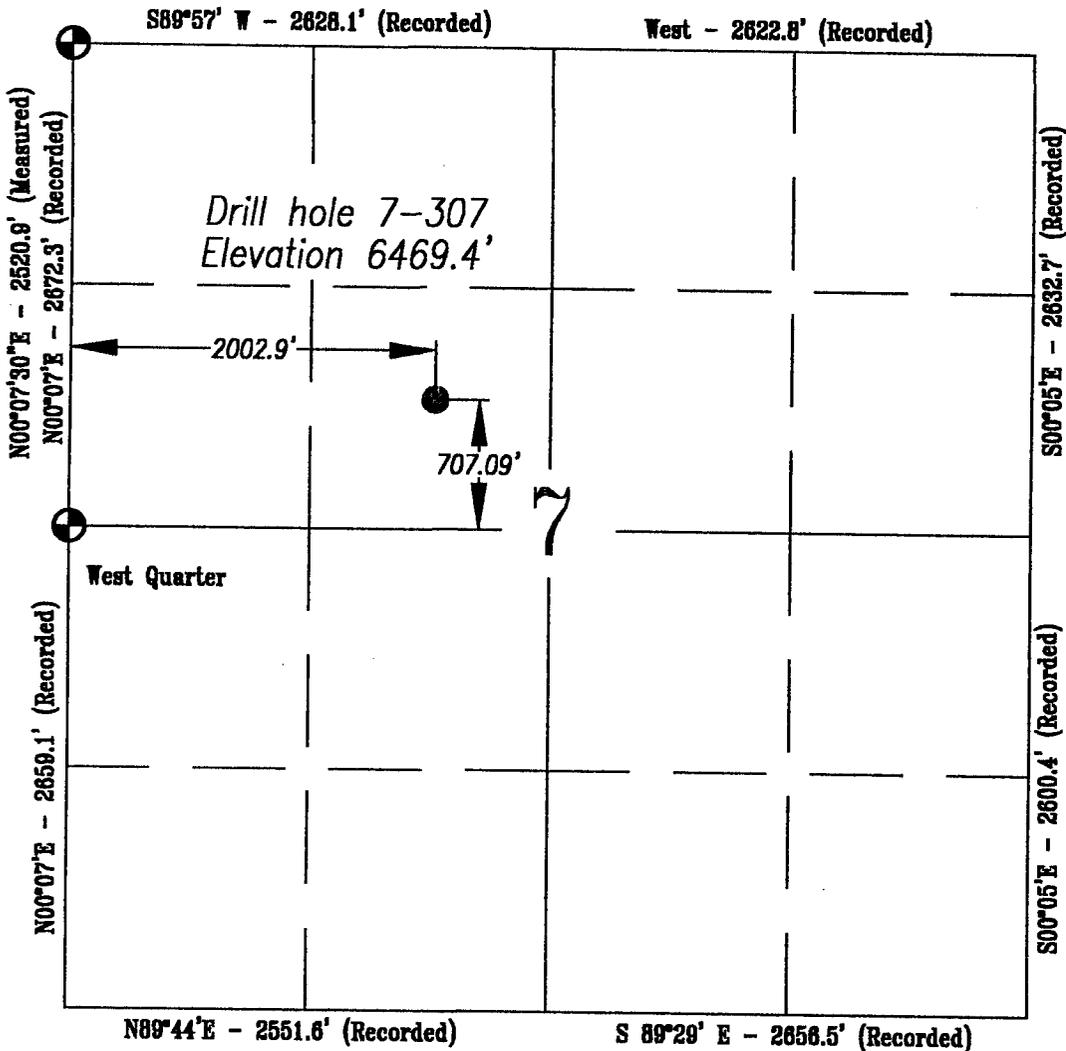
(This space for state use only)

API Number Assigned: **43-007-30487**

Approval: *[Signature]*  
**2/3/99**

# Range 9 East

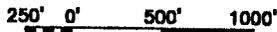
Township 15 South



**LEGEND:**

- Drill Hole Location
- ⊕ Brass Cap (Found)
- Brass Cap (Searched for but not found)

SCALE:



**Basis of Bearing:**

Basis of Bearing  $N02^{\circ}13'W$  recorded between the NW Corner and the West Quarter Corner of Section 11, Township 15 South, Range 8 East, Salt Lake Base and Meridian.

**Basis Of Elevation:**

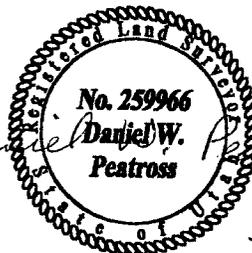
Basis of Elevation of 7160' as indicated in the NW Corner of Section 11, Township 15 South, Range 8 East, Salt Lake Base and Meridian, as shown on the Wattis Quadrangle 7.5 Minute Series Map.

**Description of Location:**

Proposed Drill Hole located in the SE 1/4 NW 1/4 of Section 7, 707.09' North and 2002.90' East from the West Quarter Corner of Section 7, T15S, R9E, Salt Lake Base & Meridian.

**Surveyor's Certificate:**

I, Daniel W. Peatross, a Registered Licensed Land Surveyor, holding Certificate #259966, State of Utah, do hereby certify that the information on this drawing is true and accurate to the best of my knowledge and belief, and was conducted by myself, as shown hereon.



*Daniel W. Peatross*  
Daniel W. Peatross

7-30-98

DRAWN BY: <b>P. BOYLEN</b> CHECKED BY: <b>L.W.J.</b> DATE: <b>7/24/98</b> SCALE: <b>1"=1000'</b> SHEET NO.: <b>411</b> DRAWING NO.: <b>A-1</b>	 140 North Cedar Hills Dr. Panguitch, Utah 84501 (801) 637-3557 FAX (801) 637-3593
SHEET <b>1</b> OF <b>4</b>	<b>River Gas Corporation</b> Well# 7-307 Section 7, T15S, R9E, S.L.B.&M Carbon County, Utah

Exhibit "A"

# RGCC

CONFIDENTIAL

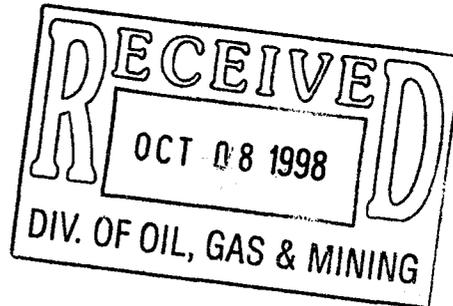
## RIVER GAS CORPORATION

UTAH OPERATIONS  
1305 South 100 East  
Price, Utah 84501  
Bus. (435) 637-8876  
FAX (435) 637-8924

ORIGINAL

October 6, 1998

Mr. John Baza  
State of Utah  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
P.O. Box 145801  
SLC, Utah 84114-5801



RE: Application for Permit to Drill-  
Helper & Assoc. 7-307 SE/4,NW/4, of Sect.7  
T15S, R9E, SLB & M, Carbon County, Utah

Dear Mr. Baza:

Enclosed is the original of the *Application for Permit to Drill (APD)* for the above named well. Included with the APD is the following information:

- Exhibit "A"- Survey plat of the proposed well site;
- Exhibit "B" - Proposed Location Map with Pipeline, Power, and Road Access;
- Exhibit "C" - Location Layout;
- Exhibit "D" - Drilling Information;
- Exhibit "E" - Multipoint Surface Use Plan;
- Exhibit "F" - Typical Road Cross-section;
- Exhibit "G" - BOP Diagram;
- Exhibit "H"- Production Site Layout; and
- Exhibit "I"- Evidence of Bond;

Proposed gas, water, and utility line routes from the wellsite are shown in Exhibit "B", but are subject to change if requested by the land owner or his/her representative.

Please accept this letter as River Gas Corporation's written request for confidential treatment of all information contained in and pertaining to this permit application, if said information is eligible for such consideration.

Thank you very much for your timely consideration of this application. Please feel free to contact me if you have any questions.

Sincerely,

*Don S. Hamilton*

Don S. Hamilton  
Permit Specialist

cc: Mr. Eric Jones, BLM, Moab, Utah  
Mr. R.A. Lamarre, Texaco  
Mr. Chuck Snure, Texaco  
Mr. Gee Lake, Jr., Dominion Resources  
Mr. Don Stephens, BLM, Price, Utah  
Mrs. Tammie Butts, River Gas Corporation  
Mr. Gilbert Hunt, DOGM  
RGC Well File

EXHIBIT "D"  
DRILLING PROGRAM

Attached to UDOGM Form 3  
River Gas Corp.  
Helper & Assoc. 7-307  
SE/4,NW/4, Sect.7, T15S, R9E,SLB&M  
1814' FNL & 2003' FWL  
Carbon County, Utah

1. The Geologic Surface Formation

Upper Mancos Shale

2. Estimated Tops of Important Geologic Markers

Blue Gate/Ferron 2960'

3. Projected Gas & H2O zones (Ferron Formation)

Coals and sandstones - 2985' -3145'

No groundwater is expected to be encountered.

Casing & cementing will be done to protect potentially productive hydrocarbons, lost circulation zones, abnormal pressure zones, and prospectively valuable mineral deposits. All indications of usable water will be reported.

Surface casing will be tested to 1400 psi.

4. The Proposed Casing and Cementing Programs

<u>HOLE SIZE</u>	<u>SETTING DEPTH (INTERVAL)</u>	<u>SIZE (OD)</u>	<u>WEIGHT, GRADE &amp; JOINT</u>	<u>NEW, USED</u>
14"	25'	12-1/4"	Conductor	New
11"	390'	8-5/8"	24# LT&C	New
7-7/8"	3900'	5-1/2"	17# LT&C	New

**Cement Program-Every attempt will be made to bring cement back to surface.**

Surface Casing: 149 sks G+2%CaCl+1/4#per sack flocel;15.8#/gal,density, 1.15 cu.ft/sk yield.

Production Casing: 343 sks 50/50 poz 8%gel +2%CaCl+10%extender;12.5#/gal, density, 1.92 cu.ft/sk yield.

75 sks "G" thixotropic, 14.2#/gal density, 1.61 cu.ft/sk yield.

The following shall be entered in the driller's log:

- 1) Blowout preventer pressure tests, including test pressures and results;
- 2) Blowout preventer tests for proper functioning;
- 3) Blowout prevention drills conducted;
- 4) Casing run, including size, grade, weight, and depth set;
- 5) How the pipe was cemented, including amount of cement, type, whether cement circulated, location of the cementing tools, etc.;
- 6) Waiting on cement time for each casing string;
- 7) Casing pressure tests after cementing, including test pressures and results.

5. The Operator's Minimum Specifications for Pressure Control

Exhibit "G" is a schematic diagram of the blowout preventer equipment. A double gate 3000 psi BOPE will be used with a rotating head. This equipment will be tested to 2000 psi. All tests will be recorded in a Driller's Report Book. Physical operation of BOP's will be checked on each trip.

6. The Type and Characteristics of the Proposed Circulating Muds

0-300	11" hole	Drill with air, will mud-up if necessary.
300-TD	7 7/8" hole	Drill with air. 400 psi @ 1500-1800 Scf.

7. The Testing, Logging and Coring Programs are as followed

300-TD	Gamma Ray, Density, Neutron Porosity, Induction, Caliper
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Any Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures have been noted or reported in wells drilled in the area nor at the depths anticipated in this well. Bottom hole pressure expected is 1400 psi max. No hydrogen sulfide or other hazardous gases or fluids have been found, reported or are known to exist at these depths in the area.

8. Anticipated Starting Date and Duration of the Operations.

The well will be drilled approx: March 1999.

Verbal and/or written notifications listed below shall be submitted in accordance with instructions from the Division of Oil, Gas & Mining:

- (a) prior to beginning construction;
- (b) prior to spudding;
- (c) prior to running any casing or BOP tests;
- (d) prior to plugging the well, for verbal plugging instructions.

Spills, blowouts, fires, leaks, accidents or other unusual occurrences shall be reported to the Division of Oil, Gas & Mining immediately.

## Exhibit "E"

### Multipoint Surface Use Plan

Attached to Form 3  
River Gas Corp.  
Helper & Assoc.7-307  
SE/4, NW/4, Sec.7, T15S, R9E, SLB & M  
1814' FNL, 2003' FWL  
Carbon County, Utah

#### 1. Existing Roads

- A. We do not plan to change, alter or improve upon any existing state or county roads. Existing roads will be maintained in the same or better condition. See Exhibit "B".

#### 2. Planned Access

Approximately 4000' of new access is required (See Exhibit "B")

- a. Maximum Width: 14' travel surface with 27' base
- b. Maximum grade: 10%
- c. Turnouts: None
- d. Drainage design: 17 culverts will be required. Water will be diverted around well pad as necessary.
- e. If the well is productive, the road will be surfaced and maintained as necessary to prevent soil erosion and accommodate year-round traffic.

#### 3. Location of Existing Wells

- a. See Exhibit "B". There are nine proposed and 1 existing wells within a one mile radius of the proposed location.

#### 4. Location of Existing and/or Proposed Facilities

- a. If the well is a producer, installation of production facilities will be as shown on Exhibit "H". Buried powerlines run along access on the east and north, gathering lines on the south or west.
- b. Rehabilitation of all pad areas not used for production facilities will be made in accordance with landowner stipulations.

## 5. Location and Type of Water Supply

- a. Water to be used for drilling will be purchased from the Price River Water Improvement District (PRWID) (tel. 801-637-6350). *\*Public Water Source.*
- b. Water will be transported by truck over approved access roads.
- c. No water well is to be drilled for this location.

## 6. Source of Construction Materials

- a. Any necessary construction materials needed will be obtained locally and hauled to the location on existing roads.
- b. No construction or surfacing materials will be taken from Federal/Indian land.

## 7. Methods for handling waste disposal

- a. As the well will be air drilled, a small reserve pit will be constructed with a minimum of one-half the total depth below the original ground surface on the lowest point within the pit. The pit will not be lined unless conditions encountered during construction warrant it or if deemed necessary by the DOGM representative during the pre-site inspection. Three sides of the reserve pit will be fenced within 24 hours after completion of construction and the fourth side within 24 hours after drilling operation cease with four strands of barbed wire, or woven wire topped with barbed wire to a height of not less than four feet. The fence will be kept in good repair while the pit is drying.
- b. Following drilling, the liquid waste will be evaporated from the pit and the pit backfilled and returned to natural grade. No liquid hydrocarbons will be discharged to the reserve pit or location.
- c. In the event fluids are produced, any oil will be retained in tankage until sold and any water produced will be retained until its quality can be determined. The quality and quantity of the water will determine the method of disposal.
- d. Trash will be contained in a portable metal container and will be hauled from location periodically and disposed of at an approved disposal site. Chemical toilets will be placed on location and sewage will be disposed of at an appropriate disposal site.

## 8. Ancillary Facilities

- a. We anticipate no need for ancillary facilities with the exception of one trailers to be located on the drill site.

## 9. Wellsite Layout

- a. Available topsoil will be removed from the location and stockpiled. Location of mud tanks, reserve and berm pits, and soil stockpiles will be located as shown on the attachments.
- b. A blooie pit will be located 100' from the drill hole. A line will be placed on the surface from the center hole to the berm it. The berm pit will not be lined, but will be fenced on four sides to protect livestock/wildlife.
- c. Access to the well pad will be as shown on Exhibit "B".
- d. Natural runoff will be diverted around the well pad.

## 10. Plans for Restoration of Surface

- a. All surface areas not required for producing operations will be graded to as near original condition as possible and contoured to maintain possible erosion to a minimum.
- b. Available topsoil will be stockpiled and will be evenly distributed over the disturbed areas and the area will be reseeded as prescribed by the landowner.
- c. Pits and any other area that would present a hazard to wildlife or livestock will be fenced off when the rig is released and removed.
- d. Any oil accumulation on the pit will be removed or overhead flagged as dictated by then existed conditions.
- e. Rehabilitation will commence following completion of the well. Rat and mouse holes will be filled immediately upon release of the drilling rig from the location. If the wellsite is to be abandoned, all disturbed areas will be recontoured to the natural contour as is possible.

## Surface Ownership

- a. The wellsite and access road will be constructed on lands owned by Frank Feichko-(435) 637-5068. The operator shall contact the landowner and the Division of Oil, Gas and Mining 48 hours prior to beginning construction activities.

12. **Other Information:**

The primary surface use is grazing. The nearest dwelling is approximately 3 miles south. Nearest live water is North Springs 3800' southwest.

If there is snow on the ground when construction begins, it will be removed before the soil is disturbed. And piled downhill from the topsoil stockpile location.

The backslope and foreslope will be constructed no steeper than 4:1.

All equipment and vehicles will be confined to the access road and well pad.

A complete copy of the approved Application for Permit to Drill (APD) including conditions and stipulations, shall be on the wellsite during construction and drilling operations.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the Division of Oil, Gas & Mining.

**13. Company Representative**

Don S. Hamilton  
Permit Specialist  
River Gas Corporation  
1305 So. 100 E.  
Price, Utah 84501  
(801) 637-8876

Mail Approved A.P.D. To:

Company Representative

Excavation Contractor

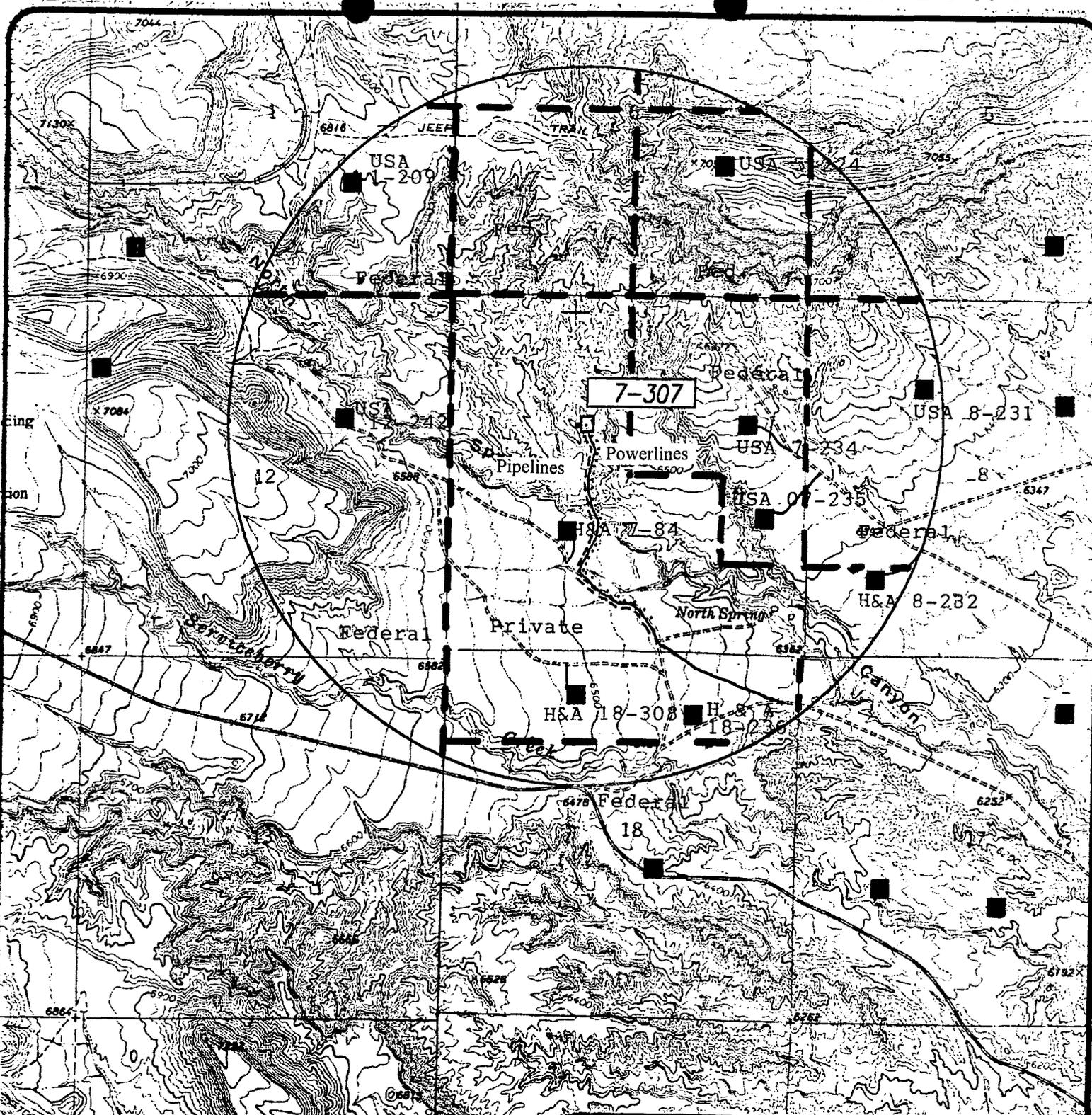
Nelco  
Larry Jensen  
(801) 637-3495  
(801) 636-5268

**14. Certification**

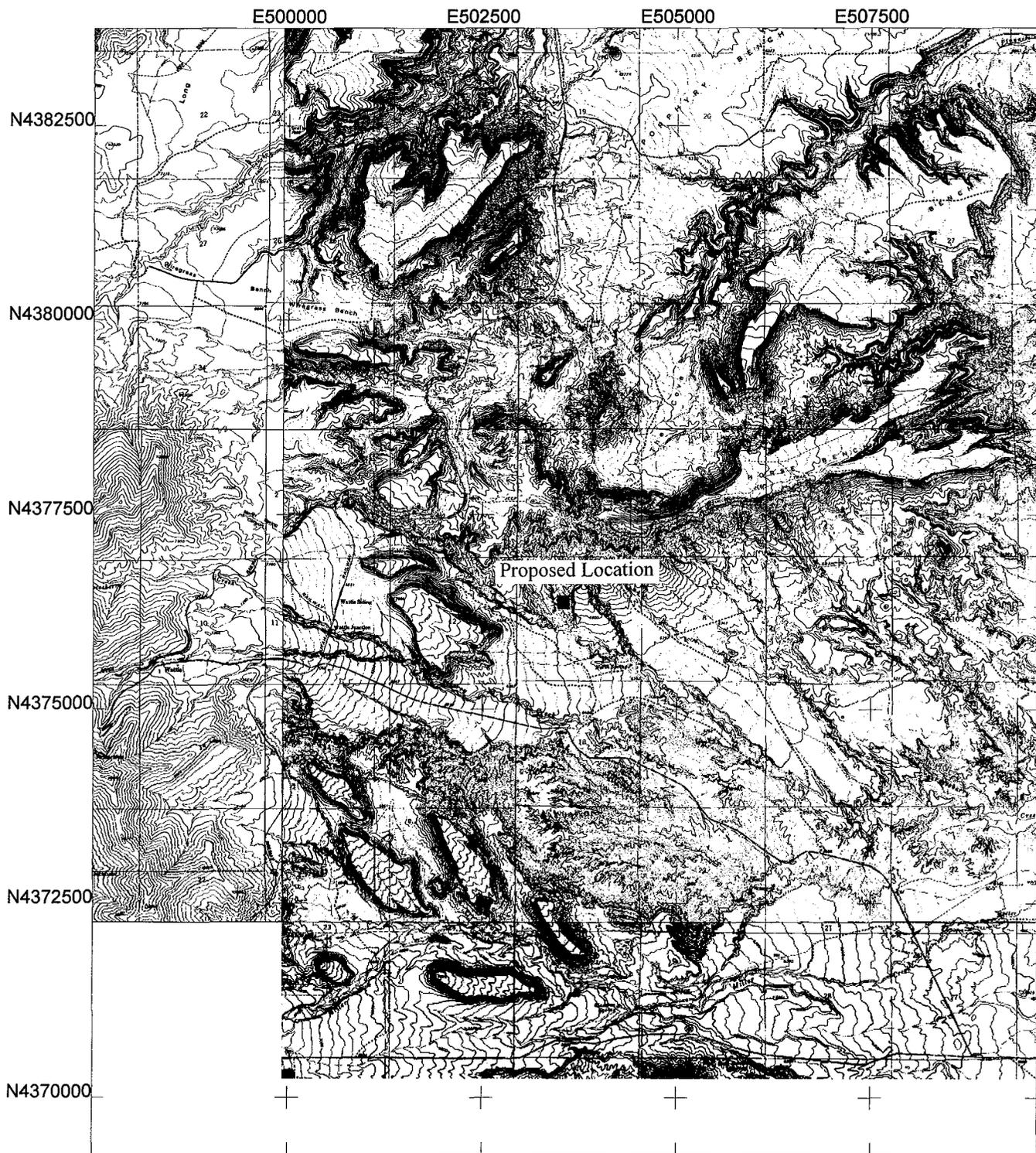
I hereby certify that I, or persons under my direct supervision have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct, and that the work associated with the operations proposed herein will be performed by River Gas Corp. And its subcontractors in conformity with this plan and the terms and conditions under which it is approved.

10-6-98  
Date

Don S. Hamilton  
Don S. Hamilton  
Permit Specialist  
River Gas Corporation

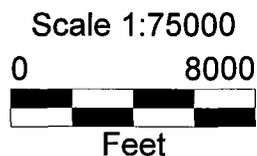


DRAWN BY <b>P. BOYLEN</b> CHECKED BY <b>L.W.J.</b> DATE <b>7/27/98</b> SCALE <b>1"=2000'</b> SHEET NO. <b>411</b> PROJECT NO. <b>L-1</b> SHEETS <b>4 of 4</b>	 <p>140 North Cedar Hills Dr.          Price, Utah 84501          (801) 637-3687          FAX (801) 637-3683</p> <p><b>River Gas Corporation</b>          Section 7, T15S, R9E, S.L.B.&amp;M.          Carbon County, Utah          Well# 7-307</p>
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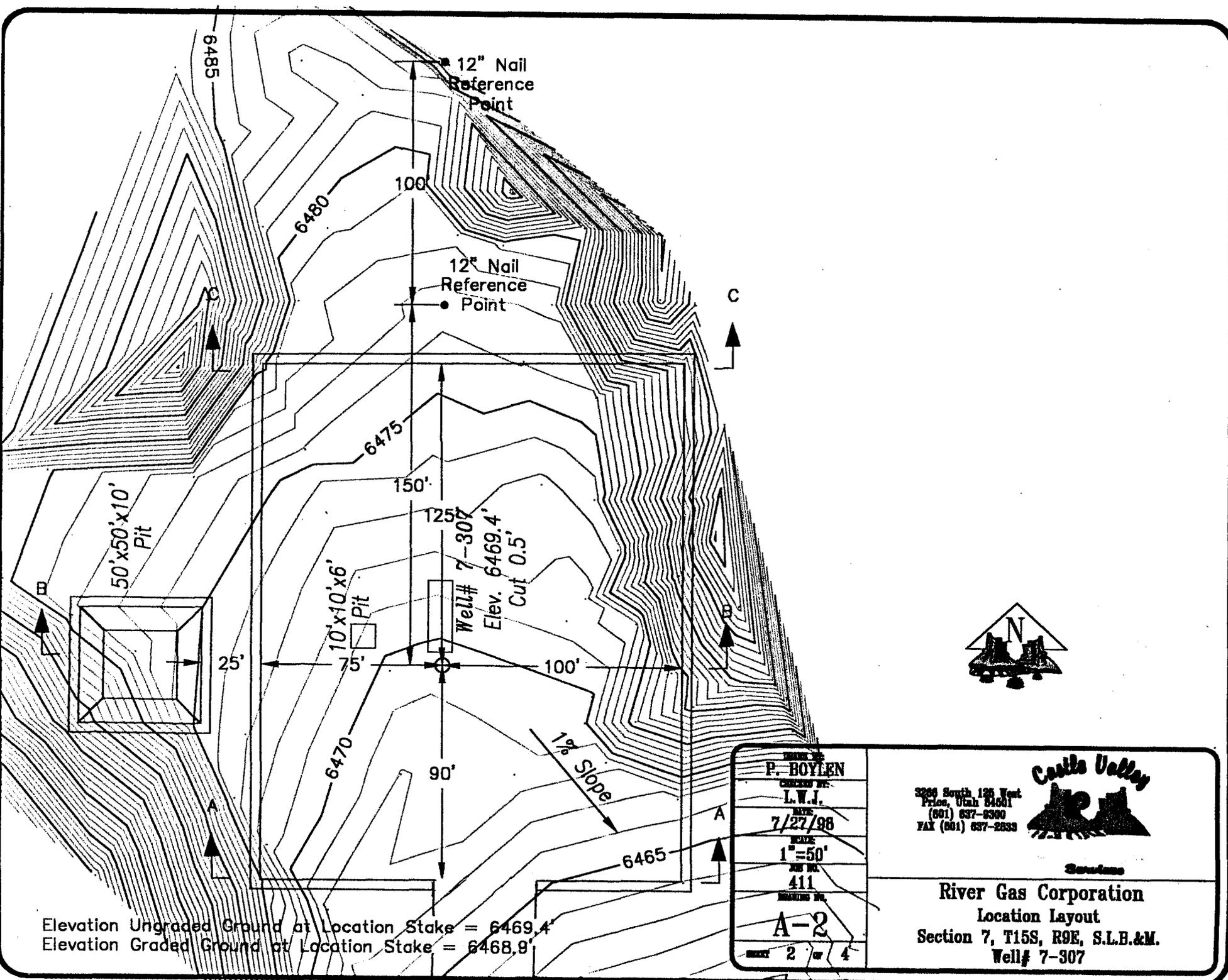


# Helper and Associates 07-307

Universal Transverse Mercator  
North 12  
NAD83 (Conus)



7/31/1998  
Pathfinder Office™



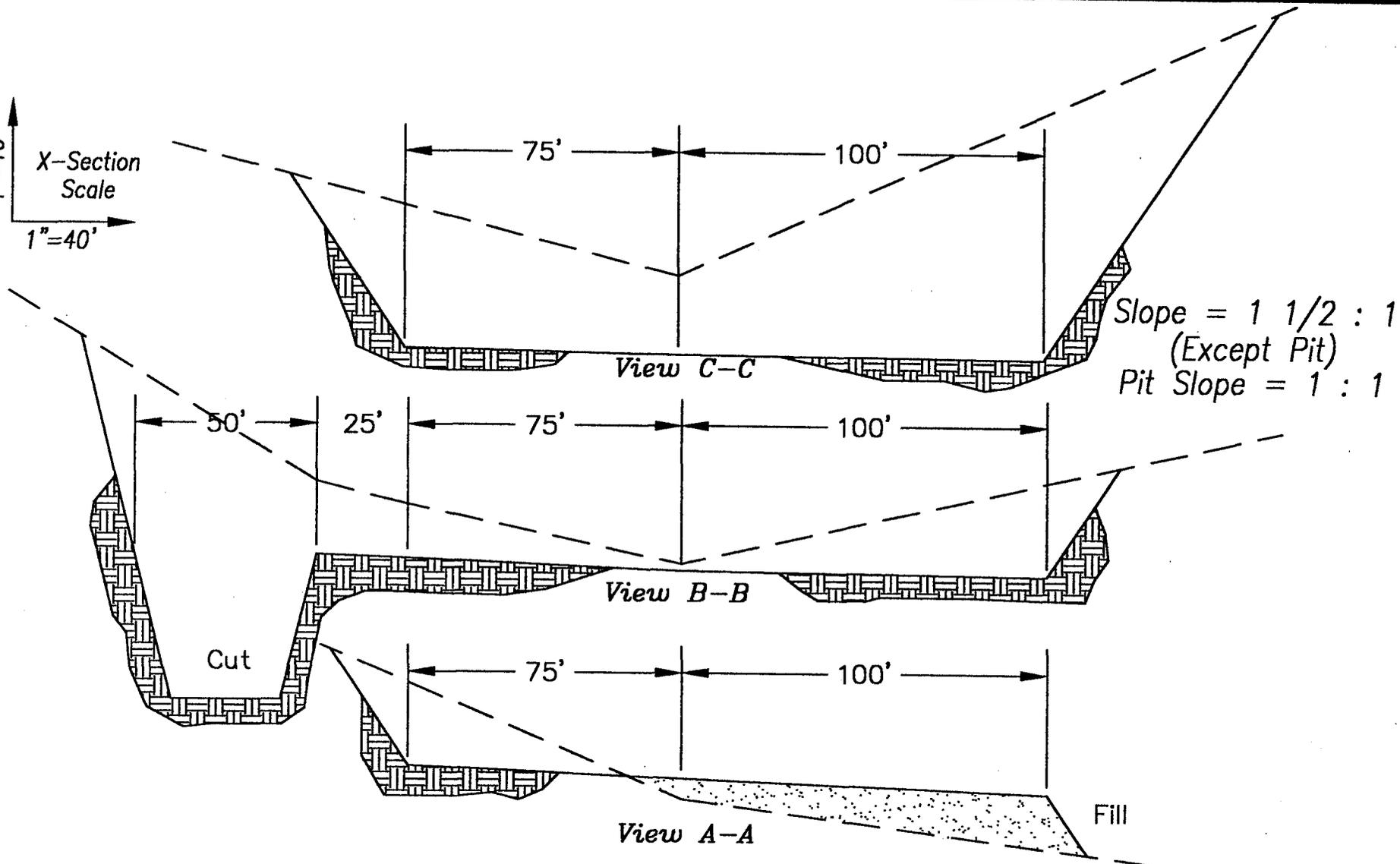
DRAWN BY  
**P. BOYLEN**  
 CHECKED BY  
**L.W.J.**  
 DATE  
**7/27/98**  
 SCALE  
**1"=50'**  
 SHEET NO.  
**411**  
 DRAWING NO.  
**A-2**  
 OF 4

**Castle Valley**  
 3200 South 125 West  
 Prico, Utah 84501  
 (801) 637-6300  
 FAX (801) 637-2833



Section  
**River Gas Corporation**  
 Location Layout  
 Section 7, T15S, R9E, S.L.B.&M.  
 Well# 7-307

1"=10'  
 X-Section Scale  
 1"=40'

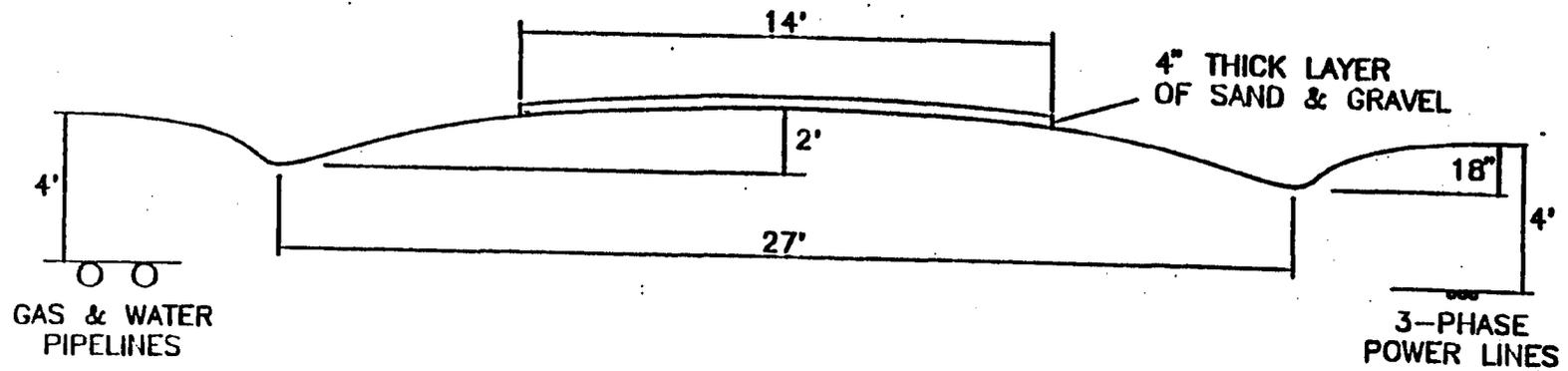


**APPROXIMATE YARDAGES**

CUT	
(6") Topsoil Stripping	= 750.0 Cu. Yds.
Remaining Location	= 7,857.8 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 8,607.8 Cu. Yds.</b>
<b>TOTAL FILL</b>	<b>= 361.3 Cu. Yds.</b>

DRAWN BY: <b>P. BOYLEN</b> CHECKED BY: <b>L.W.J.</b> DATE: <b>7/27/98</b> SCALE: <b>As Shown</b> JOB NO. <b>411</b> DRAWING NO. <b>C-1</b> SHEET <b>3</b> OF <b>4</b>	 3226 South 125 West P.O. Box, Utah 84501 (801) 637-9300 FAX (801) 637-2533 SECTION <b>River Gas Corporation</b> Typical Cross Sections Section 7, T15S, R9E, S.L.B.&M. Well# 7-307
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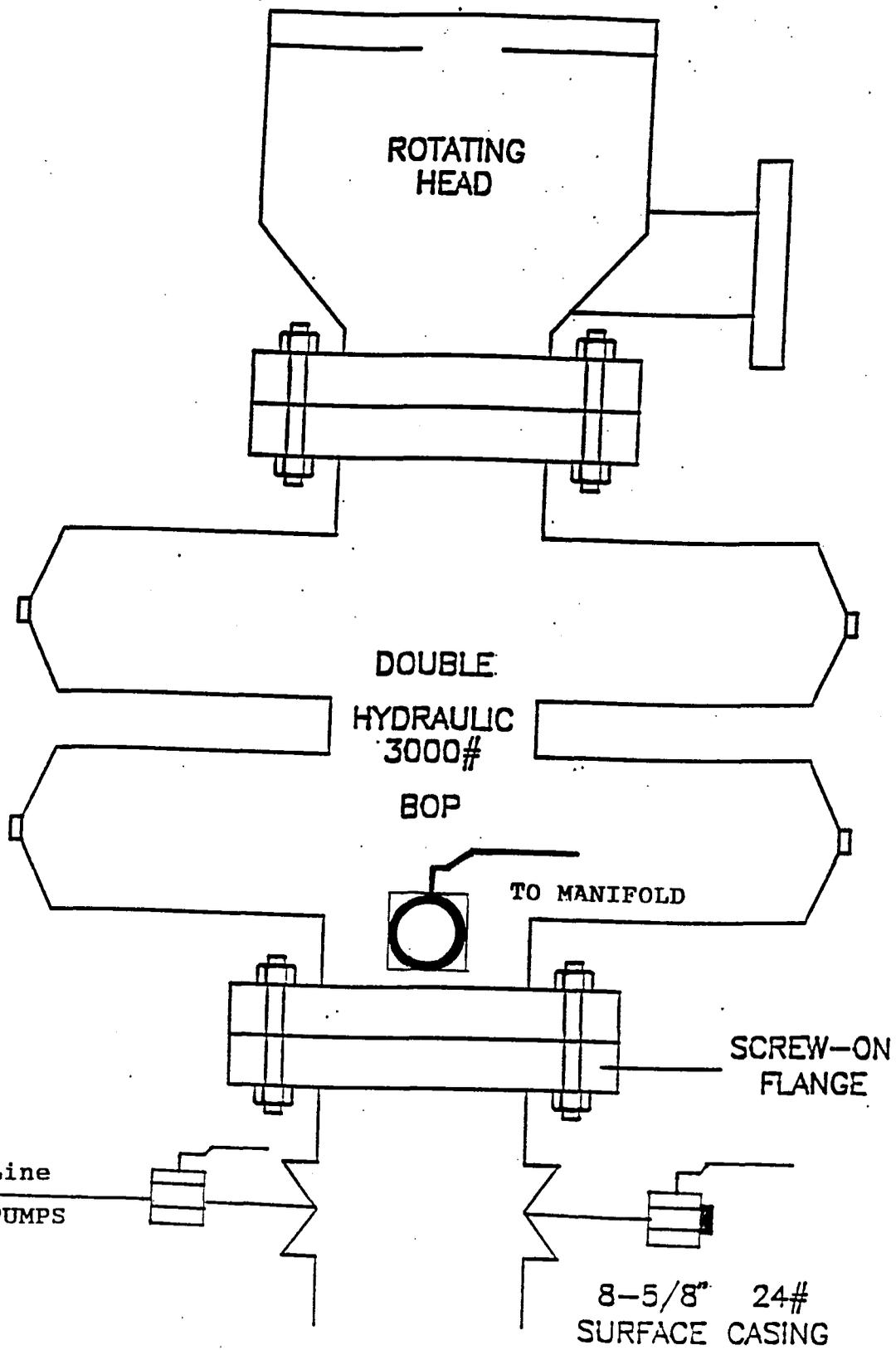
# RIVER GAS CORPORATION



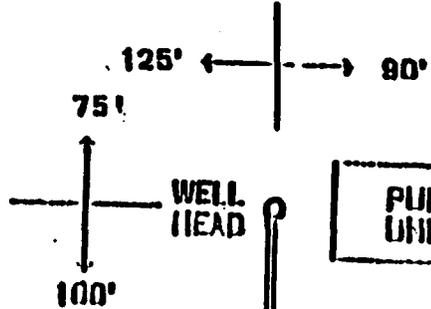
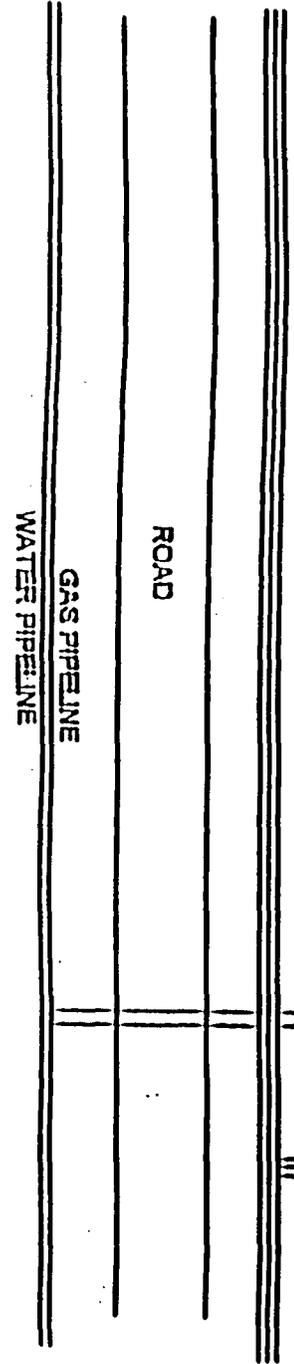
## TYPICAL ROAD CROSS-SECTION

NOT TO SCALE

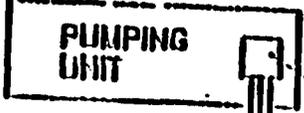
# DIVERTER HEAD



ANCHOR (TYP. 4 PL.)



WELL HEAD



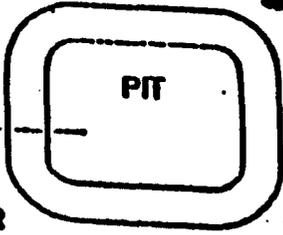
GAS/WATER

3-PHASE ELEC.

SEPARATOR

RTU STARTER

TRANSFORMER



RIVER GAS CORP.  
WELL SITE LAYOUT  
215' X 175'

Exhibit "H"

**Birmingham:**  
TELEX: 6827189  
Cable: AMSOUBKEHLM  
S.W.I.F.T. AMSB US 44

AMSOUTH BANK OF ALABAMA  
1900 FIFTH AVENUE NORTH  
BIRMINGHAM, ALABAMA 35203 USA  
OUR REFERENCE NUMBER: 8308586

International Services

**Mobile:**  
TELEX: 6821116  
Cable: AMSOMBL  
S.W.I.F.T. AMSB US 44

AMENDMENT NUMBER: 002  
TO LETTER OF CREDIT NUMBER: 8308586  
DATE: NOVEMBER 13, 1993

**BENEFICIARY:**  
STATE OF UTAH  
DEPT. OF NATURAL RESOURCES  
DIV. OF OIL, GAS AND MINING  
355 WEST TEMPLE 3 TRIAD CENTER  
SUITE 350  
SALT LAKE CITY, UTAH 84180-1203

AT THE REQUEST OF RIVER GAS CORPORATION 3600 WATERMELON ROAD  
SUITE 204 NORTHPORT, ALABAMA 35476 AND FOR THE ACCOUNT OF SAME

WE HEREBY AMEND OUR LETTER OF CREDIT NUMBER 8308586 DATED  
DECEMBER 3, 1993 OPENED IN YOUR FAVOR AS FOLLOWS:

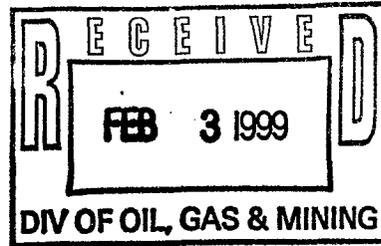
ACCOUNT PARTY'S ADDRESS IS CHANGED  
TO: 511 ENERGY CENTER BLVD  
NORTHPORT, ALABAMA 35476

\*REFERENCES HEREIN TO AMSOUTH BANK N.A. SHALL BE DEEMED TO REFER  
TO AMSOUTH BANK OF ALABAMA.\*\*

ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED.  
THIS AMENDMENT BECOMES AN INTEGRAL PART OF THE ORIGINAL LETTER OF  
CREDIT AND IS TO BE ATTACHED THERETO.

*Deanne Y. Hoover*  
AUTHORIZED SIGNATURE

# RGC



To: Lisha Cordova From: Don Hamilton  
 Fax: 1-801-359-3940 Pages: 16  
 Phone: \_\_\_\_\_ Date: 2-3-99  
 Re: Surface Use CC: \_\_\_\_\_

Urgent     For Your Review     FYI     Please Reply     Please Recycle

Lisha ;

Following is the recently signed surface use agreements for the :

H+A	07-307
H+A	18-236
H+A	18-308

From the Desk of.....

Don S. Hamilton -

Permit Specialist

STATE OF UTAH  
COUNTY OF CARBON

§  
§

Helper & Associates 07-307, 18-236 & 18-308 Wells

CONFIDENTIAL  
STATE OF UTAH  
COUNTY OF CARBON  
Do Not Circulate  
SURFACE LAND USE AGREEMENT

**KNOW ALL MEN BY THESE PRESENTS, THAT:**

**WHEREAS**, the undersigned **Frank H. Feichko, Sr. and Carol L. Feichko, husband and wife**, whose address is Post Office Box 1436, Price, Utah 84501, (hereinafter referred to as **GRANTOR**, whether one or more), owns the surface of the following described property in Carbon County, Utah, to-wit:

**See Exhibits "A", "B" and "C" Attached**

and **River Gas Corporation**, an Alabama corporation authorized to conduct business in the state of Utah, whose address is 511 Energy Center Boulevard, Northport, Alabama 35473 (hereinafter referred to as **GRANTEE**), owns leases covering oil, gas and mineral rights in, under and upon said property; and

**WHEREAS**, Grantee desires to build access roads, pipelines and appurtenances thereto, power lines, and well sites for the drilling of Coalbed Degasification wells on a portion of said property.

**NOW THEREFORE**, for and in consideration of the sum of ten dollars (\$10.00) and other valuable considerations, the receipt and sufficiency of which is hereby acknowledged, Grantor does hereby grant, sell and convey unto Grantee, its successors and assigns, the easement and right to use that portion of the herein above described property as may be necessary to conduct its drilling and production operations on said property, including the right to construct and maintain coalbed methane gas well sites; to construct, entrench, maintain, operate, replace, remove, protect, or abandon a pipeline or pipelines for water or gas with appurtenances thereto, including, but not limited to, valves, metering equipment, and cathodic equipment (all pipelines shall be buried below normal plow depth); to construct, maintain or cover up any pits or ponds necessary for drilling operations or water storage; to erect, maintain, relocate, replace or remove production facilities, including, but not limited to, pumps, compressors, separators, treaters, etc.; to construct, maintain, relocate, or abandon roads, and in connection therewith, a power line or power lines (said well sites, pipelines, appurtenances, valves, metering equipment, cathodic equipment, road and power lines being sometimes collectively called the "facilities") over, under and through the hereinafter described land as described in the attached Exhibits "A" and "B".

Grantor acknowledges the receipt and sufficiency of the above described consideration as payment for all damages to Grantor's trees, timber, growing crops, and other vegetation being cultivated on said land by the undersigned or their respective lessees, tenants or assigns caused by the construction, maintenance, protection, repair, placement or removal of the facilities as described in attached exhibits and agrees that the payment and acceptance of the consideration set forth above is in full and complete payment, settlement, compromise and satisfaction of any and all or the above-mentioned losses, liabilities, claims, damages, demands and causes of action for any and all injuries and damage to the surface of the land hereinbelow described and to any appurtenances or improvements thereon, and for any and all claims including but not limited to loss of potential rental income, damages to and/or loss of livestock and wildlife, arising directly or indirectly in connection with the operations thereon by Grantee, its employees, agents, contractors, or subcontractors in connection with the above-mentioned operations of Grantee.

Grantee shall have the free right of ingress and egress to, over, upon, through and across said right-of-way and easement for any and all purposes that may be necessary or incidental to the maintenance of the right-of-way and easement, with the right to use existing roads which enter Grantor's property for the purpose of constructing,

CONFIDENTIAL DOCUMENTATION of  
inspecting, repairing and maintaining the facilities and the removal or replacement of same at will, either in whole or in part, and the replacement of said pipeline or pipelines with either like or different size pipe. During temporary periods, Grantee may use such portions of the property along and adjacent to said right-of-way as may be necessary in connection with construction, maintenance, repair, removal or replacement of the facilities and if such use causes any damages to Grantor's lands outside of the above described right-of-way, Grantee shall pay Grantor for such damages.

Grantor reserves the right to the use and enjoyment of said property except for the purposes herein granted, but such use shall not hinder, conflict or interfere with Grantee's surface or subsurface rights hereunder or disturb its facilities. No road, reservoir, excavation, obstruction or structure shall be constructed, created or maintained on, over, along or within the lands covered by this right-of-way without Grantee's prior written consent.

If Grantee desires to remove any trees adjacent to said right-of-way at a later date which may be hazardous to the maintenance and use of the facilities on the right-of-way, Grantee shall first obtain approval from Grantor in writing, Grantor's approval not to be unreasonably withheld, and after receipt of such approval, may proceed to cut and remove such trees subject to payment of additional timber damages, if any are determined.

The undersigned hereby covenants and warrants that he is the surface owner of the herein described land, and has the right to enter into this agreement.

**FOR THE SAME CONSIDERATION RECITED ABOVE**, Grantor and Grantee do hereby release, discharge and acquit the other from any and all liability, and shall indemnify the other against any and all claims and demands for damages, attorneys fees, injury or loss, existing now or done hereafter, to the surface of said lands or to any third parties arising out of or being the result of their or, their agents, contractors, licensees, permittees, successors and assigns own activities on or use of the subject property. However, each parties' potential liability under this paragraph to the other shall be limited to the acts and/or omission of it, or its predecessors, agents, contractors, licensees, permittees, successors, and assigns, and shall not include any acts and/or omissions of the other party, its agents, contractors, licensees, permittees, successors or assigns. Grantee shall reasonably maintain the subject property in order to prevent unnecessary deterioration of the surface and to keep the property in an uncluttered condition.

**TO HAVE AND TO HOLD** the above described rights and easements, together with all rights necessary to operate and maintain the facilities over the right-of-way hereby granted unto the said Grantee, its successors and assigns, until such time as the right-of-way and easement is abandoned under the terms stipulated herein. The Grantee may assign the rights and easements herein granted, either in whole or in part, subject to the terms of this grant, and such rights and easements shall be covenants running with the land and be binding upon Grantor, Grantor's heirs, legal representatives and successors in title. Upon abandonment, at the request of the Grantor, Grantee shall execute and deliver to Grantor a document in recordable form evidencing said abandonment.

The making, execution and delivery of this document by Grantor has been induced by no representations, statements, warranties, or other agreements other than those herein expressed. This agreement embodies the entire understanding of the parties, and this instrument may be amended or modified only by subsequent written agreement of the parties.

This agreement is subject to Special Stipulations as described on the attached Exhibit "C". In the event of conflict between the terms of the main body of the Agreement and the Special Stipulations described on the attached Exhibit "C", the Special Stipulations control.

This agreement shall inure to the benefit of the parties hereto, their heirs, successors, and assigns and shall be a burden running with the land.

IN WITNESS WHEREOF, this Surface Land Use Agreement may be executed in any number of counterparts, and each such counterpart hereof shall be deemed to be an original instrument, but all such counterparts together shall constitute for all purposes one instrument executed as of the dates of the respective acknowledgments of the parties hereto, but being effective as of the 7th day of January, 1999.

Grantor:

Frank H. Feichko Sr  
Frank H. Feichko, Sr.  
Social Security #528-40-0855

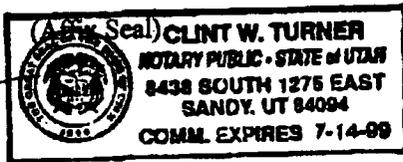
Carol L. Feichko  
Carol L. Feichko  
Social Security #529-17-7260

\*\*\*\*\*  
(Acknowledgment)

STATE OF UTAH  
COUNTY OF CARBON

I hereby certify, that on this day, before me, a Notary Public duly authorized in the state and county aforesaid to take acknowledgments, personally appeared Frank H. Feichko, Sr. and Carol L. Feichko, husband and wife, to me known to be the person(s) described herein and who executed the foregoing instrument and acknowledged before me that, being informed of the contents of the same, voluntarily signed and delivered the within and foregoing instrument on the day and year herein mentioned.

Given under my hand and official seal, this the 23<sup>rd</sup> day of January, 1999.



My Commission Expires:

7-14-99

Clint W. Turner  
Notary Public  
Address: Sandy, UT

Grantee:

RIVER GAS CORPORATION

By: Joseph L. Stephenson  
Joseph L. Stephenson  
Its: Vice President - Land  
Date: January 7, 1999

\*\*\*\*\*  
(Corporate Acknowledgment)

STATE OF ALABAMA  
COUNTY OF TUSCALOOSA

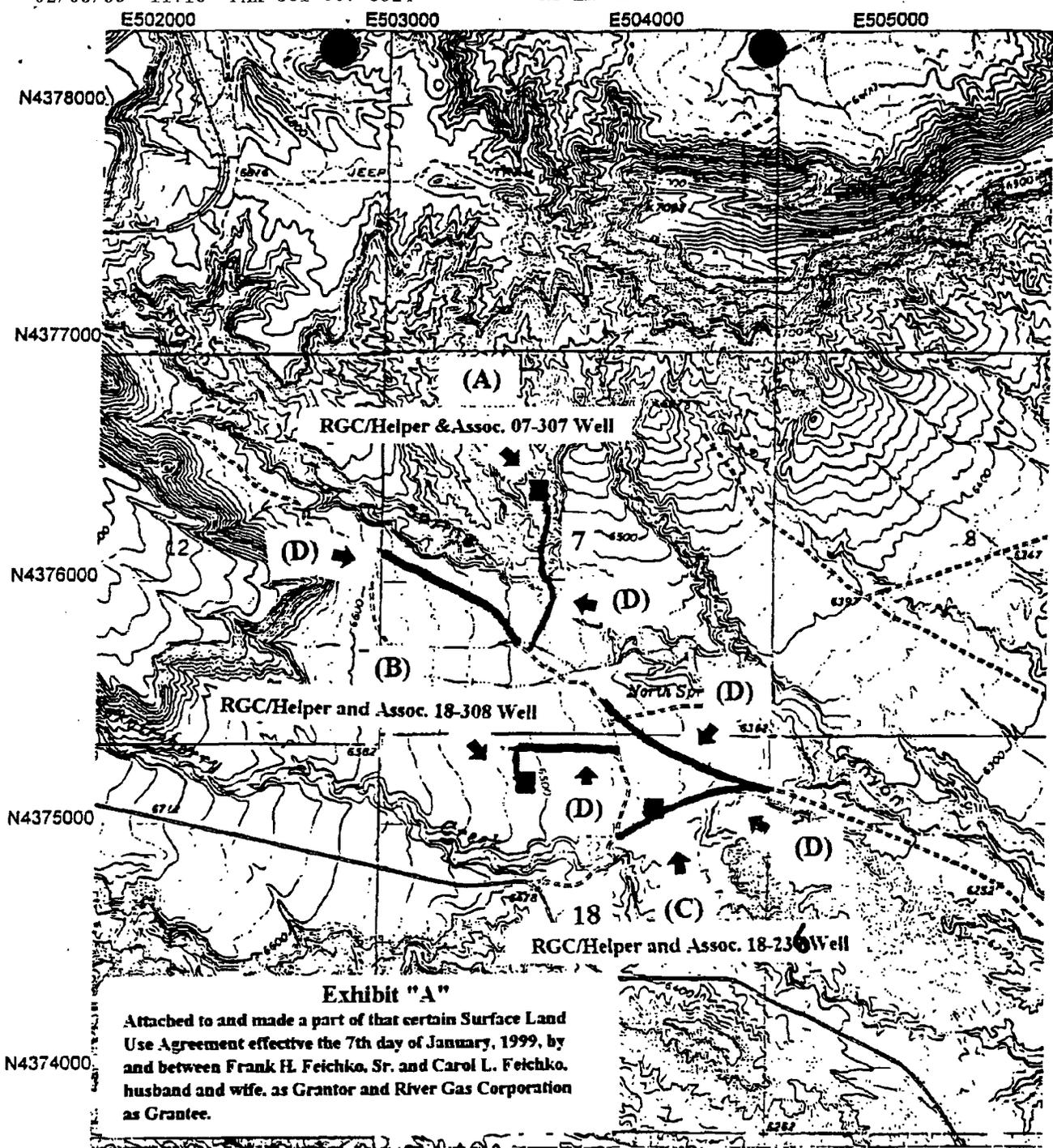
I, the undersigned authority, a Notary Public in and for said County in said State, hereby certify that Joseph L. Stephenson, whose name as Vice President - Land of River Gas Corporation, is signed to the foregoing instrument, and who is known to me, acknowledged before me on this day that, being informed of the contents of the instrument, he, as such officer and with full authority, executed the same voluntarily for and as the act of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my notarial seal this the 7th day of January, 1999.



Dana Campbell  
Notary Public - Dana Campbell  
Residing at: 6231 Hibiscus Lane  
Northport, Alabama 35473

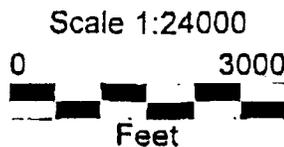
My Commission Expires: March 9, 2002



## Proposed Surface Use -- Sections-7&18 T15S, R9E

Universal Transverse Mercator  
 North 12  
 NAD83 (Conus)

N



10/6/1998  
 Pathfinder Office™  
 Trimble

02/03/99 11:10 FAX 001 001 0024

EXHIBIT B

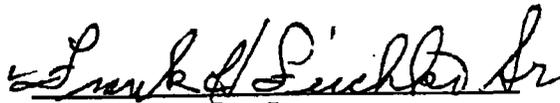
EXHIBIT "B"

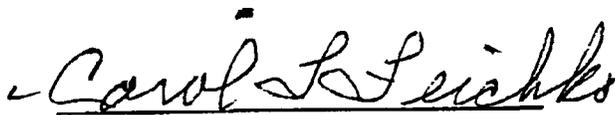
**Frank H. Feichko, Sr. and Carol L. Feichko - Surface Land Use Agreement**  
**Page 1 of 1**

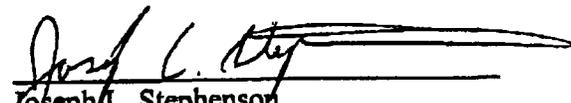
Attached to and made a part of that certain Surface Land Use Agreement effective the 7th day of January, 1999, by and between Frank H. Feichko, Sr. and Carol L. Feichko, husband and wife, as Grantor and River Gas Corporation as Grantee.

- A. A wellsite pad location approximately two hundred foot (200') by two hundred fifty foot (250') (1.15 acres) in the NW/4, Section 07, T15S-R9E, SLM, known as the RGC/Helper & Associates 07-307 well unit, as shown on the map attached hereto as Exhibit "A".
- B. A wellsite pad location approximately two hundred foot (200') by two hundred fifty foot (250') (1.15 acres) in the NW/4, Section 18, T15S-R9E, SLM, known as the RGC/Helper & Associates 18-308 well unit, as shown on the map attached hereto as Exhibit "A".
- C. A wellsite pad location approximately two hundred foot (200') by two hundred fifty foot (250') (1.15 acres) in the NE/4, Section 18, T15S-R9E, SLM, known as the RGC/Helper & Associates 18-236 well unit, as shown on the map attached hereto as Exhibit "A".
- D. Five individual strips of road/pipeline/power line rights-of-way forty foot (40') wide and totaling approximately eleven thousand five hundred foot (11,500') in length (697 rods) (10.56 acres) more or less, located in Sections 7 and 18, T15S-R9E, SLM, as shown on the map attached hereto as Exhibit "A".

SIGNED FOR IDENTIFICATION

  
Frank H. Feichko, Sr.

  
Carol L. Feichko

  
Joseph L. Stephenson

**EXHIBIT "C"**  
**SPECIAL STIPULATIONS**

Page 1 of 1

Attached to and made a part of that certain Surface Land Use Agreement effective the 7th day of January, 1999, by and between Frank H. Feichko, Sr. and Carol L. Feichko, husband and wife, as Grantor and River Gas Corporation as Grantee.

1. Each pipeline (and power line if installed underground) installed hereunder shall be constructed not less than thirty-six (36) inches below the surface elevation of said land at the time of construction, provided that subsoil or subsurface conditions will permit a pipeline (or power line) to be constructed at or below this depth using normal construction methods. In the event that rock or other subsoil or subsurface conditions, including other previously laid pipe or other lines, do not permit a pipeline (or power line) to be constructed at or below this depth by normal construction methods, each pipeline (or power line) constructed hereunder shall be constructed at the lowest depth above the thirty-six (36) inch minimum depth specified above that normal construction methods will permit. It is agreed and understood that there is no obligation on the part of Grantee to bury power lines. Grantor, its successors or assigns, shall give reasonable notice to Grantee before crossing a pipeline or power line at locations other than existing roadways so that Grantee may instruct Grantor on what measures must be taken by Grantor to protect such facilities from damage.

2. It is hereby understood and agreed that by the execution of this agreement, Grantee does not serve to waive, forfeit, or limit any rights it may have by virtue of the mineral lease(s) active on the subject properties and shall not be deemed as a limitation on additional surface use if further mineral development is contemplated. If the need for such additional surface use arises, Grantor and Grantee agree to negotiate in good faith to reach an agreement substantially similar in form to this agreement for such use.

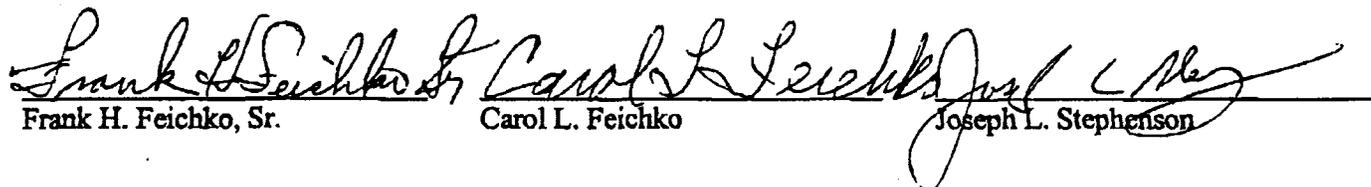
3. Grantee shall have the right at any time, but not the necessity, to remove or abandon in place all machinery, fixtures power lines and pipelines placed on or in said land, including the right to draw and remove casing. In no event shall Grantor be due any further damages for Grantee's efforts to restore the surface of the subject lands.

4. A memorandum of this agreement shall be executed by Grantee and Grantor making reference to this agreement for recording purposes.

5. All roads shall be constructed with appropriate ditches and drain culverts to allow proper drainage off of said roads and also to prevent water from backing up along said roads, all at the sole expense of Grantee.

6. In addition to the right-of-way and easement described herein, Grantee shall have the right during temporary periods, temporary periods defined for purposes of this clause not to exceed one hundred twenty (120) consecutive days in any one period, to make use of additional lands adjacent and parallel to said right-of-way and easement as may be necessary in connection with Grantee's initial construction, additional construction, maintenance, repair, removal or replacement of said facilities, either in whole or in part. Said additional lands shall be forty feet (40') in width lying twenty feet (20') on either side of the said forty feet (40') permanent right-of-way and easement granted herein. Should Grantee's use of such temporary right-of-way and easement cause any damage to Grantor's lands outside of the described permanent right-of-way and easement, Grantee agrees to pay and Grantor hereby agrees to accept the sum of two dollars (\$2.00) per rod for such lands actually damaged.

SIGNED FOR IDENTIFICATION

  
Frank H. Feichko, Sr.                      Carol L. Feichko                      Joseph L. Stephenson

WHEN RECORDED RETURN TO:  
Joseph L. Stephenson  
River Gas Corporation  
511 Energy Center Blvd.  
Northport, AL 35476

STATE OF UTAH        )  
                              :SS  
CARBON COUNTY        )

SURFACE LAND USE AGREEMENT

KNOW ALL MEN BY THESE PRESENTS, THAT:

WHEREAS, the undersigned hereinafter referred to as Grantor (whether one or more), owns the surface of the following described property in Carbon County, Utah, to-wit:

- Township 15 South, Range 9 East, S1M, Carbon County, Utah  
Section 7: Lots 1, 2, 3, 4, 5, 6, & 7, E1/2 of NW1/4, NE1/4 of SW1/4, NW1/4 of SE1/4  
Section 8: Lot 4  
Section 18: Lot 1, NE1/4 of NW1/4, N1/2 of NE1/4

and River Gas Corporation, an Alabama corporation authorized to conduct business in the state of Utah, hereinafter referred to as Grantee, owns a lease covering oil, gas and mineral rights in, under and upon said property; and

WHEREAS, Grantee built a location for the drilling of a coalbed degasification well on said property, along with a road, with the approval of the previous owners of said property, and proposes to build pipelines and appurtenances thereto;

NOW, THEREFORE, for and in consideration of the sum of TEN DOLLARS (\$10.00) and other valuable considerations, the receipt and sufficiency of which is hereby acknowledged, Grantor does hereby grant, sell and convey unto Grantee, its successors and assigns, the easement and right to use that portion of the herein above described property as may be necessary to conduct its drilling and production operations on said property, including the right to construct and maintain coalbed methane gas well sites; to construct, entrench, maintain, operate, replace, remove, protect, or abandon a pipeline or pipelines for water or gas with appurtenances thereto, including, but not limited to, valves, metering equipment, and cathodic equipment (all pipelines shall be buried below normal plow depth); to construct, maintain or cover up any pits or ponds necessary for drilling operations or water storage; to erect, maintain, relocate, replace or remove production facilities, including, but not limited to, pumps, compressors, separators, treaters, etc.; to construct, maintain,

relocate, or abandon roads, and in connection therewith, a power line or power lines (said well sites, pipelines, appurtenances, valves, metering equipment, cathodic equipment, road and power lines being sometimes collectively called the "facilities") over, under and through the hereinafter described land as described in the attached EXHIBIT "A".

Grantor acknowledges the receipt and sufficiency of the above described consideration as payment for all damages to Grantor's trees, timber, growing crops, and other vegetation being cultivated on said land by the undersigned or their respective lessees, tenants or assigns caused by the construction, maintenance, protection, repair, placement or removal of the facilities as described in EXHIBIT "A" and agrees that the payment and acceptance of the consideration set forth above is in full and complete payment, settlement, compromise and satisfaction of any and all of the above-mentioned losses, liabilities, claims, damages, demands and causes of action for any and all injuries and damage to the surface of the land hereinbelow described and to any appurtenances or improvements thereon, and for any and all claims including but not limited to loss of potential rental income, damages to and/or loss of livestock and wildfire, arising directly or indirectly in connection with the operations thereon by Grantee, its employees, agents, contractors, or subcontractors in connection with the above-mentioned operations of Grantee.

This right-of-way and easement shall carry with it the right of ingress and egress to and from, and access on and along said right-of-way, with the right to use existing roads which enter Grantor's property for the purpose of constructing, inspecting, repairing and maintaining the facilities and the removal or replacement of same at will, either in whole or in part, and the replacement of said pipeline or pipelines with either like or different size pipe. During temporary periods, Grantee may use such portions of the property along and adjacent to said right-of-way as may be necessary in connection with construction, maintenance, repair, removal or replacement of the facilities and if such use causes any damages to Grantor's lands outside of the above described right-of-way, Grantee shall pay Grantor for such damages.

Grantor reserves the right to the use and enjoyment of said property except for the purposes herein granted, but such use shall not hinder, conflict or interfere with Grantee's surface or subsurface rights hereunder or disturb its facilities. No road, reservoir, excavation, obstruction or structure shall be constructed, created or maintained on, over, along or within the lands covered by this right-of-way without Grantee's prior written consent.

If Grantee desires to remove any trees adjacent to said right-of-way at a later date, which may be hazardous to the maintenance and use of the facilities on the right-of-way, Grantee shall first obtain approval from Grantor in writing, Grantor's approval not to be unreasonably withheld, and after receipt of such approval, may proceed to cut and remove such trees subject to payment of additional timber damages, if any are determined.

The undersigned hereby covenant and warrant that they are the surface owners of the above described land, and have the right to enter into this agreement.

FOR THE SAME CONSIDERATION RECITED ABOVE, Grantee does hereby release, discharge and acquit Grantor, its employees, agents, contractors, successors, and assigns from any and all liability, and shall indemnify Grantor against any and all claims and demands for damages, injury or loss, existing now or done hereafter, to the surface of said lands or to any third-parties arising out of or being the result of Grantee's activities or use of the premises. However, Grantee's potential liability under this paragraph shall be limited to its own acts and shall not include any acts and/or omissions of Grantor or its predecessors. Likewise, Grantor hereby agrees to indemnify, defend, and hold Grantee harmless against any and all claims against Grantor. Grantee shall reasonably maintain the subject property in order to prevent unnecessary deterioration of the surface and to keep the property in an uncluttered condition.

TO HAVE AND TO HOLD the above described rights and easements, together with all rights necessary to operate and maintain the facilities over the right-of-way hereby granted unto the said Grantee, its successors and assigns, and the Grantee may assign the rights and easements herein granted, either in whole or in part, subject to the terms of this grant, and such rights and easements shall be covenants running with the land and be binding upon Grantor, Grantor's heirs, legal representatives and successors in title. Upon abandonment, at the request of the Grantor, Grantee shall execute and deliver to Grantor a document in recordable form evidencing said abandonment.

IN WITNESS WHEREOF, this Surface Land Use Agreement may be executed in any number of counterparts, and each such counterpart hereof shall be deemed to be an original instrument, but all such counterparts together shall constitute for all purposes one instrument executed as of the dates of the respective acknowledgments of the parties hereto, but being effective as of the 1st day of July, 1994.

SEE ATTACHED EXHIBIT "B" FOR ADDITIONAL TERMS AND CONDITIONS.

Dated: 8-16-95

Frank H. Feichko

Frank H. Feichko

Dated: 8-16-95

Carol L. Feichko

Carol L. Feichko

STATE OF UTAH

COUNTY OF Carbon

I, the undersigned authority, a Notary Public in and for said County, in said State, hereby certify that Frank H. Feichko and wife, Carol L. Feichko, whose names are signed to the foregoing Surface Land Use Agreement, and who are known to me, acknowledged before me on this day, that, being informed of the contents of the Surface Land Use Agreement, they executed the same voluntarily.

Given under my hand and seal, this 16<sup>th</sup> day of August, 1995.

Clint W. Turner

Notary Public

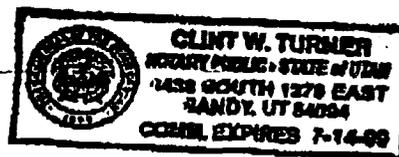
Residing at:

8438 So. 1275 East

Sandy, UT 84094

(SEAL)

My Commission Expires: 7-14-99



Dated:

8-22-95

GRANTEE:  
RIVER GAS CORPORATION

By: Joseph L. Stephenson  
Joseph L. Stephenson  
Its Vice President - Land

STATE OF ALABAMA

COUNTY OF TUSCALOOSA

I, the undersigned authority, a Notary Public in and for said County in said State, hereby certify that Joseph L. Stephenson, whose name as Vice President - Land of RIVER GAS CORPORATION, is signed to the foregoing SURFACE LAND USE AGREEMENT, and who is known to me, acknowledged before me on this day that, being informed of the contents of the SURFACE LAND USE AGREEMENT, he, as such officer and with full authority, executed the same voluntarily for and as the act of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my notarial seal this the 22 day of August, 1995.

Dana Campbell  
Notary Public

Residing at: 429 20th Avenue East  
Tuscaloosa, AL 35404

(SEAL)

My Commission Expires:

MY COMMISSION EXPIRES 3-8-98



EXHIBIT "A"  
PAGE 2 OF 2  
SURFACE OWNERSHIP OF FRANK H. FEICHKO AND CAROL L. FEICHKO

- "1a". A well location approximately two hundred foot (200') by two hundred fifty foot (250') (1.15 acre) in the NE1/4 of SE1/4, Section 7, T15S, R9E, SLM, Carbon County, Utah (Helper Associates Well #7-84).
- "1b" A road/pipeline/powerline right-of-way forty foot (40') wide by three thousand eight hundred fifty foot (3,850') long, (3.54 acres), more or less, in the NE1/4 of SE1/4 and in Lots 5 & 6 of Section 7, and in the NW1/4 of NE1/4 of Section 18, T15S, R9E, SLM, Carbon County, Utah.

TOTAL NET ACREAGE DESCRIBED: 4.69 ACRES, MORE OR LESS.

Frank H. Feichko

Carol L. Feichko

  
Signed for Identification

  
Signed for Identification

EXHIBIT "B"

Attached to and made a part of that certain Surface Land Use Agreement effective July 1, 1994, by and between Frank H. Feichko and Carol L. Feichko, as Grantor, and River Gas Corporation, as Grantee.

1. Grantor hereby advises Grantee that Grantor plans on installing either a lockable gate or a lockable cable across the access road covered by this Surface Land Use Agreement where such road enters Grantors property on the south side of such property. When such gate or cable is installed, Grantor agrees to provide Grantee with a key to such gate or cable.

SIGNED FOR IDENTIFICATION PURPOSES:

  
Frank H. Feichko

  
Carol L. Feichko

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 10/08/98

API NO. ASSIGNED: 43-007-30487

WELL NAME: HELPER & ASSOC 7-307  
 OPERATOR: RIVER GAS CORPORATION (N1605)  
 CONTACT: Don Hamilton (435) 637-8876

PROPOSED LOCATION:  
 SENW 07 - T15S - R09E  
 SURFACE: 1814-FNL-2003-FWL  
 BOTTOM: 1814-FNL-2003-FWL  
 CARBON COUNTY  
 UNDESIGNATED FIELD (002)

INSPECT LOCATION BY: / /		
TECH REVIEW	Initials	Date
Engineering	<i>RTH</i>	1-11-99
Geology		
Surface		

LEASE TYPE: FEE  
 LEASE NUMBER:  
 SURFACE OWNER: Fee

PROPOSED FORMATION: FRSD

<p>RECEIVED AND/OR REVIEWED:</p> <p><input checked="" type="checkbox"/> Plat</p> <p><input checked="" type="checkbox"/> Bond: Federal[] State[] Fee <input checked="" type="checkbox"/> M          (No. <u>5308586</u>)</p> <p><input type="checkbox"/> Potash (Y/N)</p> <p><input type="checkbox"/> Oil Shale (Y/N) *190-5(B)</p> <p><input checked="" type="checkbox"/> Water Permit          (No. <u>PRWD / City of Price</u>)</p> <p><input type="checkbox"/> RDCC Review (Y/N)          (Date: _____)</p> <p><input checked="" type="checkbox"/> Fee Surf Agreement (Y/N)</p>	<p>LOCATION AND SITING:</p> <p>___ R649-2-3. Unit _____</p> <p>___ R649-3-2. General</p> <p>___ R649-3-3. Exception</p> <p><input checked="" type="checkbox"/> Drilling Unit          Board Cause No: <u>243-1 (160')</u>          Date: <u>10-13-98</u></p>
--	--

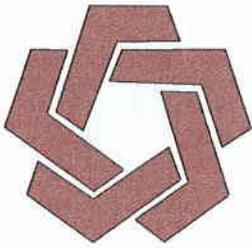
COMMENTS: \* Need Presite. (Conducted 1-6-99)

STIPULATIONS: ① STATEMENT OF BASIS

② CONDUCTOR AND SURFACE CASING

STRINGS SHALL BE CEMENTED TO

SURFACE



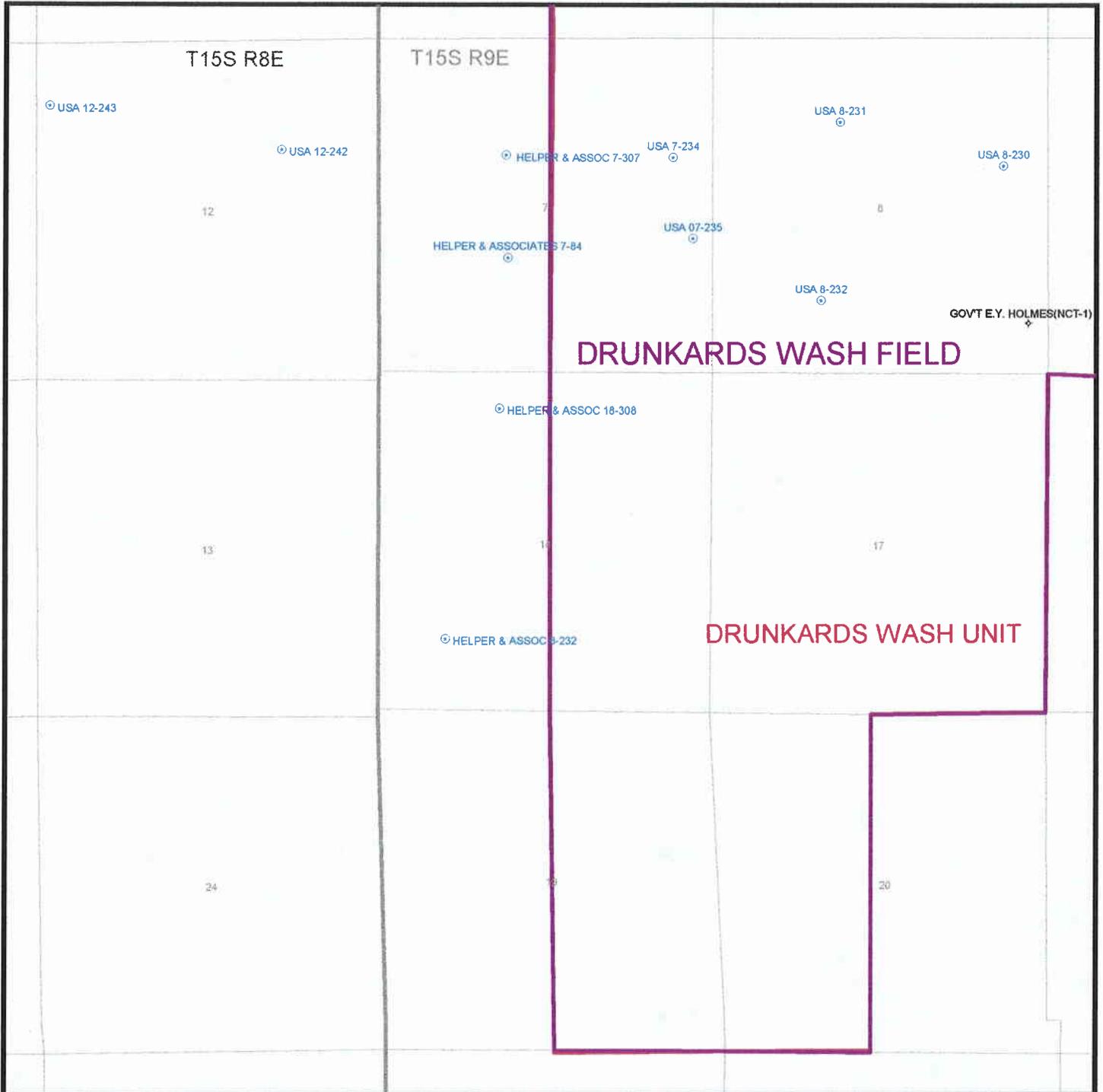
DIVISION OF OIL, GAS & MINING

OPERATOR: RIVER GAS CORPORATION (N1605)

FIELD: UNDESIGNATED (002)

SEC. 7 & 18, TWP 15S, RNG 9E

COUNTY: CARBON



DATE PREPARED:  
26-OCT-1998

# DIVISION OF OIL, GAS AND MINING

## APPLICATION FOR PERMIT TO DRILL STATEMENT OF BASIS

**Operator Name:** River Gas Corporation

**Name & Number:** Helper & Associates 7-307

**API Number:** 43-007-30487

**Location:** 1/4, 1/4 SENW Sec. 7 T. 15S R. 9E

### **Geology/Ground Water:**

The silty, shaly, poorly-permeable soil is developed on the Blue Gate Shale Member of the Mancos Shale. The Garley Canyon Sandstone Beds of the Blue Gate Shale Member of the Mancos Shale are likely to be present at this location. If the Garley Canyon Beds are present (probable) and wet (possible - standing water was found in upper Garley Canyon Beds in Pinnacle Canyon ~3 miles north northeast), both beds should be included within the surface casing string. The operator is informed of the potential for wet Garley Canyon Beds and will respond to protect the zones by extending the surface casing string as needed. Extending the proposed casing and cement will adequately isolate any shallow zones containing water.

**Reviewer:** Christopher J. Kierst **Date:** 1/7/99

### **Surface:**

The nearest moving surface waters are at North Spring (4000' southeast). Precipitation will be deflected around the location with berms and culverts. There are no nearby culinary or irrigation water supply wells. The site was photographed and characterized on 1/6/99. Provision was made to ensure site rehabilitation, litter and waste control, preservation of drainage patterns and the integrity of local infrastructure, groundwater and other resources. The well utilities and gas gathering system will follow the approach roadway. Need 404 Dredge & Fill Permit for North Spring Creek crossing of access road.

**Reviewer:** Christopher J. Kierst **Date:** 1/7/99

### **Conditions of Approval/Application for Permit to Drill:**

- 1) Culverts sufficient to manage expected runoff, standing and surface water in crossed drainages.
- 2) Berm location and pit.
- 3) Site infrastructure as per drilling location plat.
- 4) Native clay liner acceptable.
- 5) Extend surface casing as needed to contain any water in the Garley Canyon Beds of Blue Gate Shale Member of the Mancos Shale.

ON-SITE PREDRILL EVALUATION

Division of Oil, Gas and Mining

OPERATOR: River Gas Corporation

WELL NAME & NUMBER: Helper & Associates 7-307

API NUMBER: 43-007-30487

LEASE: Private FIELD/UNIT: Undesignated

LOCATION: 1/4, 1/4 SENW Sec: 7 TWP: 15S RNG: 9E 1814 FNL 2003 FWL

LEGAL WELL SITING:     F SEC. LINE;     F 1/4, 1/4 LINE;     F ANOTHER WELL.

GPS COORD (UTM): X =503,635; Y =4,376,184

SURFACE OWNER: Frank Feichko (435) 637-5068

PARTICIPANTS

C. Kierst (DOGM), D. Hamilton (RGC), F. Feichko

REGIONAL/LOCAL SETTING & TOPOGRAPHY

Western margin of Colorado Plateau/~4.5 miles east of Wasatch Plateau and 1/2 mile south and east of 3-400' cliffs of upper bench remnants. Location is about 8 miles southwest of Price, Utah, and 3 miles east of Wattis on a moderately eroded landscape. The pad is between small drainages feeding North Spring Canyon (1000' southwest, ~80' deep) with some nearby erosional remnants topped by Quaternary/Tertiary pediment mantle.

SURFACE USE PLAN

CURRENT SURFACE USE: Grazing, wildlife habitat

PROPOSED SURFACE DISTURBANCE: 215' X 175' pad with 50' X 50' X 10' attached pit and 4000' of new approach road off existing road.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: H&A 8-232

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: none nearby.

SOURCE OF CONSTRUCTION MATERIAL: Gravel location and approach road; soil stored in berm.

ANCILLARY FACILITIES: none

WASTE MANAGEMENT PLAN:

Portable toilets; garbage cans on location will be emptied into centralized dumpsters which will be emptied into an approved landfill.

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: Location is ~1000' northeast of North Spring Canyon, 3/4 mile northwest of North Spring and just under a mile northeast of Serviceberry Creek. The Price River is ~8 miles northeast. Approach road requires 404 Dredge & Fill Permit - North Spring Creek is wet at the crossing.

FLORA/FAUNA: sagebrush, grass, / birds, lizards, coyotes, rodents, raptors, elk, deer (critical winter range), reptiles

SOIL TYPE AND CHARACTERISTICS: Silty, shaly (SM-SC), poorly-permeable soil developed on the Quaternary-Tertiary Pediment Mantle.

SURFACE FORMATION & CHARACTERISTICS: Blue Gate Shale Member (above Garley Canyon Beds) of Mancos Shale, light gray, bentonitic shale and sandstone ledges.

EROSION/SEDIMENTATION/STABILITY: stable

PALEONTOLOGICAL POTENTIAL: None observed

RESERVE PIT

CHARACTERISTICS: Dugout, earthen pit, as above.

LINER REQUIREMENTS (Site Ranking Form attached): Native clay liner

SURFACE RESTORATION/RECLAMATION PLAN

**No Surface Owner Agreement Yet.**

SURFACE AGREEMENT: **No Surface Owner Agreement Yet.**

CULTURAL RESOURCES/ARCHAEOLOGY: Private minerals, surface. None needed.

OTHER OBSERVATIONS/COMMENTS

404 Dredge&Fill Permit needed / engineered stream crossing for access road crossing on North Spring Creek.

ATTACHMENTS:

4 photographs taken.

Chris Kierst  
DOGM REPRESENTATIVE

1/6/99/ 1:00PM  
DATE/TIME

**Evaluation Ranking Criteria and Ranking Score  
For Reserve and Onsite Pit Liner Requirements**

<u>Site-Specific Factors</u>	<u>Ranking</u>	<u>Site Ranking</u>
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	<u>0</u>
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	<u>0</u>
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	20	<u>0</u>
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	<u>0</u>
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	<u>0</u>
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	10	
TDS >10000 or Oil Base Mud Fluid	15	
containing significant levels of hazardous constituents	20	<u>0</u>
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	<u>0</u>
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	<u>5</u>
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	<u>0</u>
Presence of Nearby Utility Conduits		
Not Present	0	
Unknown	10	
Present	15	<u>0</u>

**Final Score**                    5            (Level III Sensitivity)

Well name:	<b>RGC Helper 7-307</b>		
Operator:	<b>River Gas Corp.</b>		
String type:	<b>Surface</b>		
Location:	<b>Carbon County</b>		
	Project ID:	<b>43-007-30412</b>	

**Design parameters:**

**Collapse**  
 Mud weight: 8.330 ppg  
 Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**  
 Design factor 1.125

**Environment:**

H2S considered? No  
 Surface temperature: 75 °F  
 Bottom hole temperature: 80 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 368 ft

**Burst**

Max anticipated surface pressure: -3,155 psi  
 Internal gradient: 8.523 psi/ft  
 Calculated BHP 169 psi

**Burst:**  
 Design factor 1.00

Cement top: Surface

No backup mud specified.

**Tension:**  
 8 Round STC: 1.80 (J)  
 8 Round LTC: 1.80 (J)  
 Buttress: 1.60 (J)  
 Premium: 1.50 (J)  
 Body yield: 1.50 (B)  
  
 Tension is based on buoyed weight.  
 Neutral point: 341 ft

Non-directional string.

**Re subsequent strings:**  
 Next setting depth: 7,500 ft  
 Next mud weight: 9.000 ppg  
 Next setting BHP: 3,506 psi  
 Fracture mud wt: 19,250 ppg  
 Fracture depth: 7,500 ft  
 Injection pressure 7,500 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	390	8.625	24.00	J-55	ST&C	390	390	7.972	18.8
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	169	1370	8.12	169	2950	17.48	8	244	29.79 J

Prepared RJK  
 by: State of Utah

Date: January 11, 1999  
 Salt Lake City, Utah

**STIPULATIONS:** Conductor and surface casing shall be cemented to surface.  
 Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.  
 Collapse is based on a vertical depth of 390 ft, a mud weight of 8.33 ppg The casing is considered to be evacuated for collapse purposes.  
 Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

Well name:	<b>RGC Helper 7-307</b>		
Operator:	<b>River Gas Corp.</b>	Project ID:	<b>43-007-30412</b>
String type:	<b>Production</b>		
Location:	<b>Carbon County</b>		

**Design parameters:**

**Collapse**

Mud weight: 8.330 ppg  
 Internal fluid density: 4.170 ppg

**Burst**

Max anticipated surface pressure: 0 psi  
 Internal gradient: 0.433 psi/ft  
 Calculated BHP: 1,688 psi

No backup mud specified.

**Minimum design factors:**

**Collapse:**

Design factor: 1.125

**Burst:**

Design factor: 1.00

**Tension:**

8 Round STC: 1.80 (J)  
 8 Round LTC: 1.80 (J)  
 Buttress: 1.60 (J)  
 Premium: 1.50 (J)  
 Body yield: 1.50 (B)

Tension is based on buoyed weight.  
 Neutral point: 3,407 ft

**Environment:**

H2S considered? No  
 Surface temperature: 75 °F  
 Bottom hole temperature: 130 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 368 ft

Cement top: 980 ft

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	3900	5.5	17.00	N-80	LT&C	3900	3900	4.767	134.4
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	843	6290	7.46	1688	7740	4.59	58	348	6.01 J

Prepared RJK  
 by: State of Utah

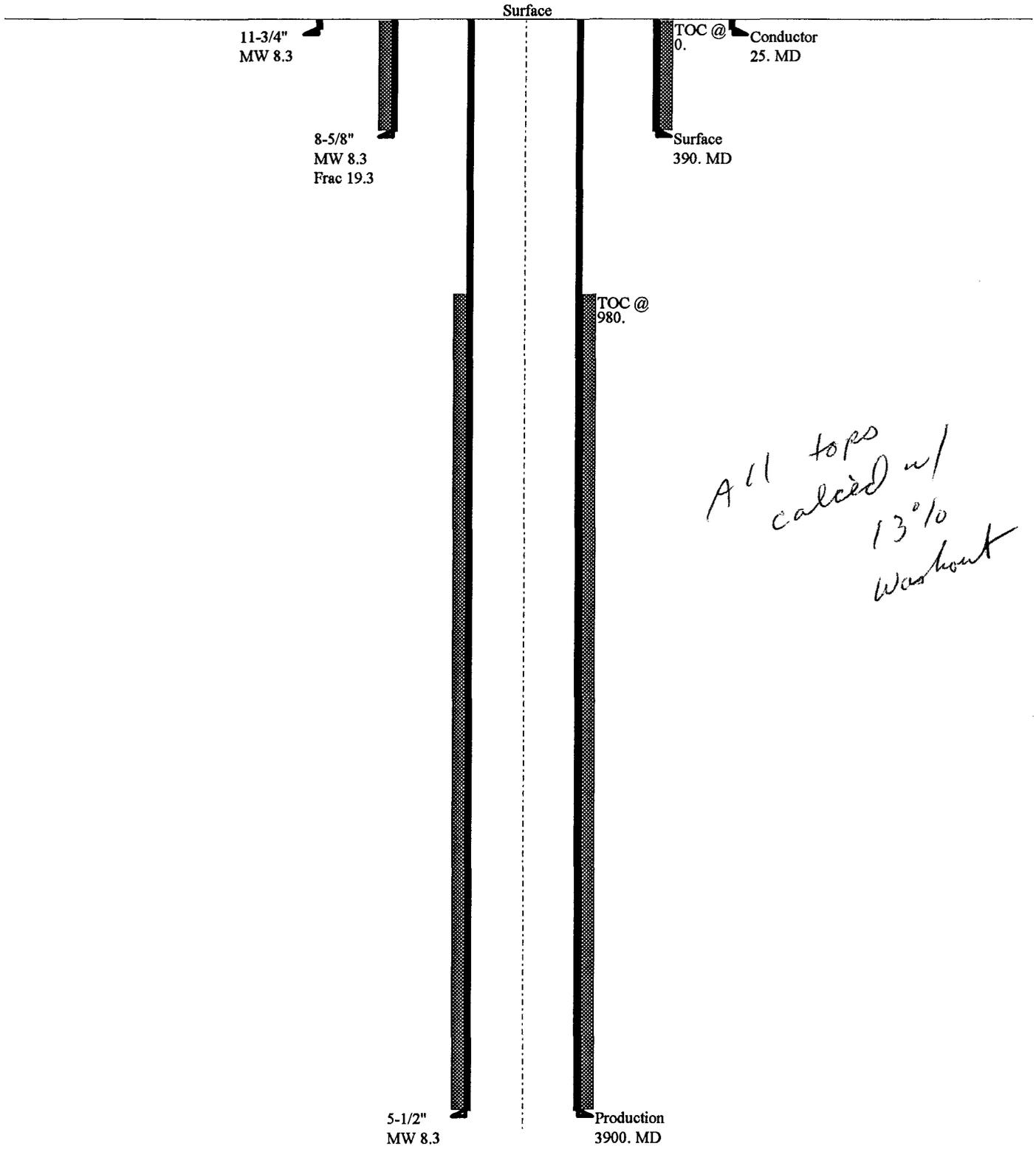
Date: January 11, 1999  
 Salt Lake City, Utah

STIPULATIONS: Conductor and surface casing shall be cemented to surface.  
 Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.  
 Collapse is based on a vertical depth of 3900 ft, a mud weight of 8.33 ppg. An internal gradient of .217 psi/ft was used for collapse from TD to 0.  
 Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

# RGC Helper 7-307

## Casing Schematic





State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor  
Ted Stewart  
Executive Director  
Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
801-538-5340  
801-359-3940 (Fax)  
801-538-7223 (TDD)

February 3, 1999

River Gas Corporation  
1305 South 100 East  
Price, Utah 84501

Re: Helper & Assoc. 7-307 Well, 1814' FNL, 2003' FWL, SE NW, Sec. 7, T. 15 S., R. 9 E.  
Carbon County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-007-30487.

Sincerely,

A handwritten signature in black ink that reads "John R. Baza".

John R. Baza  
Associate Director

lwp

Enclosures

cc: Carbon County Assessor  
Bureau of Land Management, Moab District Office

Operator: River Gas Corporation

Well Name & Number: Helper & Assoc. 7-307

API Number: 43-007-30487

Lease: Fee Surface Owner: Fee

Location: SE NW Sec. 7 T. 15 S. R. 9 E.

### Conditions of Approval

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

#### 2. Notification Requirements

Notify the Division of the following actions during drilling of this well:

- . 24 hours prior to cementing or testing casing
- . 24 hours prior to testing blowout prevention equipment
- . 24 hours prior to spudding the well
- . within 24 hours of any emergency changes made to the approved drilling program
- . prior to commencing operations to plug and abandon the well

Division contacts (please leave a voice mail message if person is not available to take the call):

- . Dan Jarvis at (801) 538-5338
- . Robert Krueger at (801) 538-5274 (plugging)
- . Carol Daniels at (801) 538-5284 (spud)

#### 3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

5. Conductor and surface casing strings shall be cemented to surface.

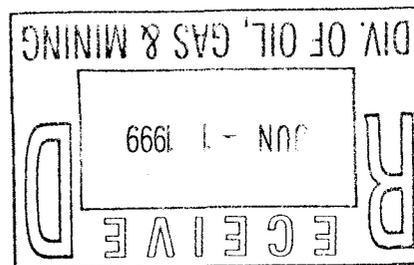


RIVER GAS CORPORATION

UTAH OPERATIONS
1305 South 100 East
Price, Utah 84501
Bus. (435) 637-8876
FAX (435) 637-8924

May 19, 1999

Mr. John Baza
Associate Director
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Salt Lake City, Utah 84114-5801



RE: Exception location - Helper and Associates 07-307, Section 7, T15S, R9E, SLB&M
Carbon County, Utah

Dear Mr. Baza:

Please accept this letter as River Gas Corporation's (RGC's) request that this proposed well be approved as an exception location in accordance with Utah Administrative Code § R649-3-3 for topographical reasons. This proposed well site does not conform with the cause No. 243-1, 160 acre spacing order that affects the subject NW/4.

\* Does conform to 243-1, ex. loc. not necessary. Jc

RGC's contractor will send your office an affidavit describing the owners within a 460 foot radius of the well. Thank you for your timely consideration of this request, please feel free to contact me if you have any questions or need additional information.

Sincerely yours,

Don S. Hamilton

Don S. Hamilton
Permitting Specialist

cc: Tammie Butts, RGC
Sally Sullivan, Geoscout Land and Title Company
Randy Allen, RGC
Joey Stephenson, RGC
RGC well file

ORIGINAL

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STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

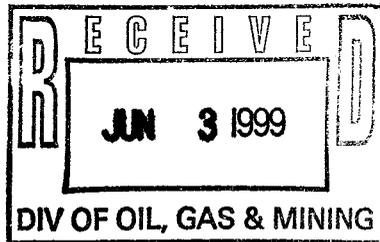
<b>APPLICATION FOR PERMIT TO DRILL OR DEEPEN</b>		5. Lease Designation and Serial Number: <b>Patented</b>	
		6. If Indian, Allottee or Tribe Name: <b>N/A</b>	
1A. Type of Work: <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/>		7. Unit Agreement Name: <b>Drunkards Wash UTU-67921X</b>	
B. Type of Well: <b>OIL</b> <input type="checkbox"/> <b>GAS</b> <input checked="" type="checkbox"/> OTHER: <input type="checkbox"/> <b>SINGLE ZONE</b> <input checked="" type="checkbox"/> <b>MULTIPLE ZONE</b> <input type="checkbox"/>		8. Farm or Lease Name: <b>Helper &amp; Associates</b>	
2. Name of Operator: <b>River Gas Corporation</b>		9. Well Number: <b>07-307</b>	
3. Address and Telephone Number: <b>1305 South 100 East, Price, UT 84501 (435)637-8876</b>		10. Field or Pool, or Wildcat: <b>Drunkard's Wash</b>	
4. Location of Well (Footages) At Surface: <b>672' FNL, 962' FWL</b> At Proposed Producing Zone:		11. Qtr/Qtr, Section, Township, Range, Meridian: <b>NW/NW Section 07, T15S, R09E, SLB&amp;M</b>	
14. Distance in miles and direction from nearest town or post office: <b>8.9 miles southwest of Price, UT</b>		12. County: <b>Carbon</b>	13. State: <b>UTAH</b>
15. Distance to nearest property or lease line (feet): <b>672'</b>	16. Number of acres in lease: <b>632.60 acres</b>	17. Number of acres assigned to this well: <b>160 acres</b>	
18. Distance to nearest well, drilling, completed, or applied for, on this lease (feet): <b>2900'</b>	19. Proposed Depth: <b>3900'</b>	20. Rotary or cable tools: <b>Rotary</b>	
21. Elevations (show whether DF, RT, GR, etc.): <b>6533' GR</b>		22. Approximate date work will start: <b>July 1999</b>	

**PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
14"	12-3/4"	Conductor	25'	149 sks G+2%CaCl+1/4#per sack floccel
11"	J-55 8 5/8"	24#/ft	390'	343 sks 50/50poz8%gel+2%CaCl+10%extender
7-7/8"	N-80 5-1/2"	17#/ft	3900'	75 sks "G" thixotropic

DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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.\*

**AMENDED**



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24.

Name & Signature: Don S. Hamilton *Don S. Hamilton* Title: Permit Specialist Date: 5/27/99

(This space for state use only)

API Number Assigned: 43-007-30487

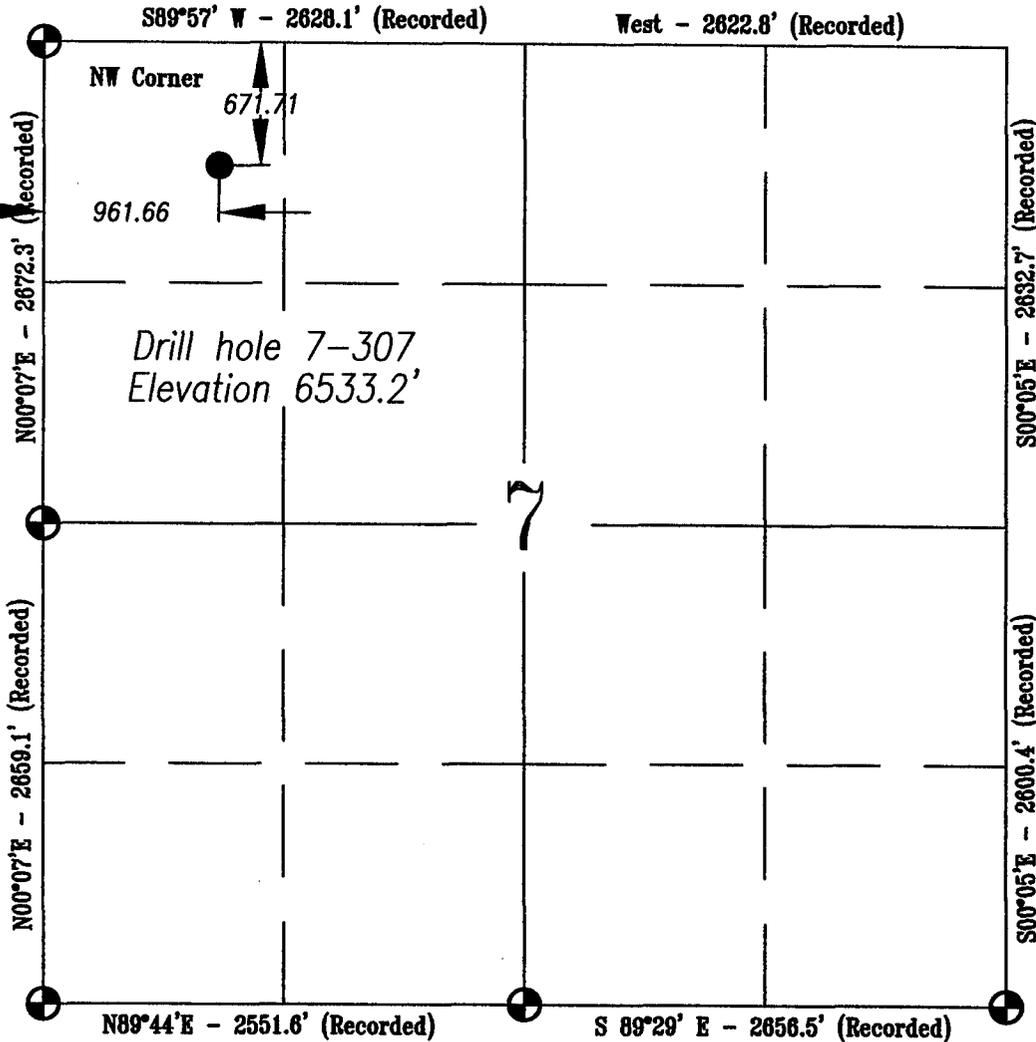
Approval: **Approved by the Utah Division of Oil, Gas and Mining**

Date: 6/22/99

By: *[Signature]*

# Range 9 East

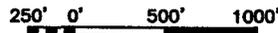
Township 15 South



**LEGEND:**

- Drill Hole Location
- ⊕ Brass Cap (Found)
- Brass Cap (Searched for but not found)

SCALE:



**Location**

The Bearings Indicated are per the recorded plat obtained from the U.S. Land Office. The well location was determined using a Trimble 4400 GPS Unit.

**Basis Of Elevation:**

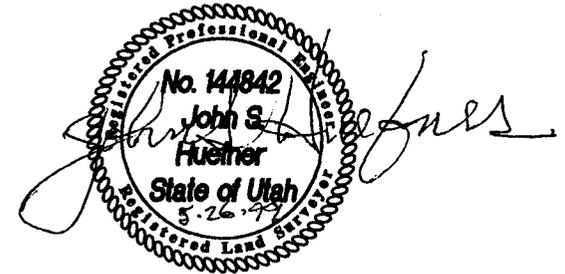
Basis of Elevation of 6582' as indicated in the SE Corner of Section 12, Township 15 South, Range 8 East, Salt Lake Base and Meridian, as shown on the Pinnacle Peak Quadrangle 7.5 Minute Series Map.

**Description of Location:**

Proposed Drill Hole located in the NW 1/4 NW 1/4 of Section 7, 671.71' South and 961.99' East from the SW Corner of Section 7, T15S, R9E, Salt Lake Base & Meridian

**Surveyor's Certificate:**

I, John S. Huefner, a Registered Licensed Land Surveyor, holding Certificate #144842, State of Utah, do hereby certify that the information on this drawing is a true and accurate survey of the land, and was conducted under my personal supervision, as shown hereon.



DRAWN BY: <b>P. BOYLEN</b>	
CHECKED BY: <b>J.S.H</b>	
DATE: <b>5/18/99</b>	
SCALE: <b>1"=1000'</b>	
JOB NO. <b>481</b>	
DRAWING NO. <b>A-1</b>	140 North Cedar Hills Dr. Price, Utah 84501 (801) 637-3557 FAX (801) 637-3593
SHEET 1 of 4	<b>River Gas Corporation</b> Well# 7-307 Section 7, T15S, R9E, S.L.B.&M Carbon County, Utah

DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. Type of Well: OIL  GAS  OTHER:

2. Name of Operator: River Gas Corporation

3. Address and Telephone Number: 1305 South 100 East, Price, UT 84501 (435)637-8876

4. Location of Well Footages: 672' FNL, 962' FWL

QQ, Sec., T., R., M.: NW/4, NW/4, SEC.07, T15S, R09E, SLB&M

5. Lease Designation and Serial Number: Patented

6. If Indian, Allottee or Tribe Name: N/A

7. Unit Agreement Name: Drunkards Wash UTU-67921X

8. Well Name and Number: Helper & Associates 07-307

9. API Well Number: 43-007-30487

10. Field or Pool, or Wildcat: Drunkards Wash

County: Carbon

State: UTAH

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

NOTICE OF INTENT (Submit in Duplicate)

- Abandon, Repair Casing, Change of Plans, Convert to Injection, Fracture Treat or Acidize, Multiple Completion, Other, New Construction, Pull or Alter Casing, Recomplete, Reperforate, Vent or Flare, Water Shut-Off

Approximate date work will start

SUBSEQUENT REPORT (Submit Original Form Only)

- Abandon \*, Repair Casing, Change of Plans, Convert to Injection, Fracture Treat or Acidize, Other, New Construction, Pull or Alter Casing, Reperforate, Vent or Flare, Water Shut-Off

Date of work completion

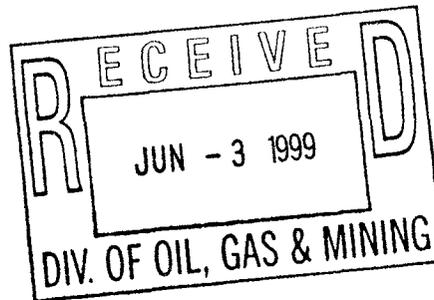
Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

12. DESCRIBE PROPOSED OR COMPLETED 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.)

Wellsite relocation following APD approval and prior to surface disturbance.

River Gas Corporation would like to relocate the Helper & Associates 07-307 wellsite prior to any surface disturbance to maximize the drainage potential of the area.

Following is an APD with the necessary attachments.



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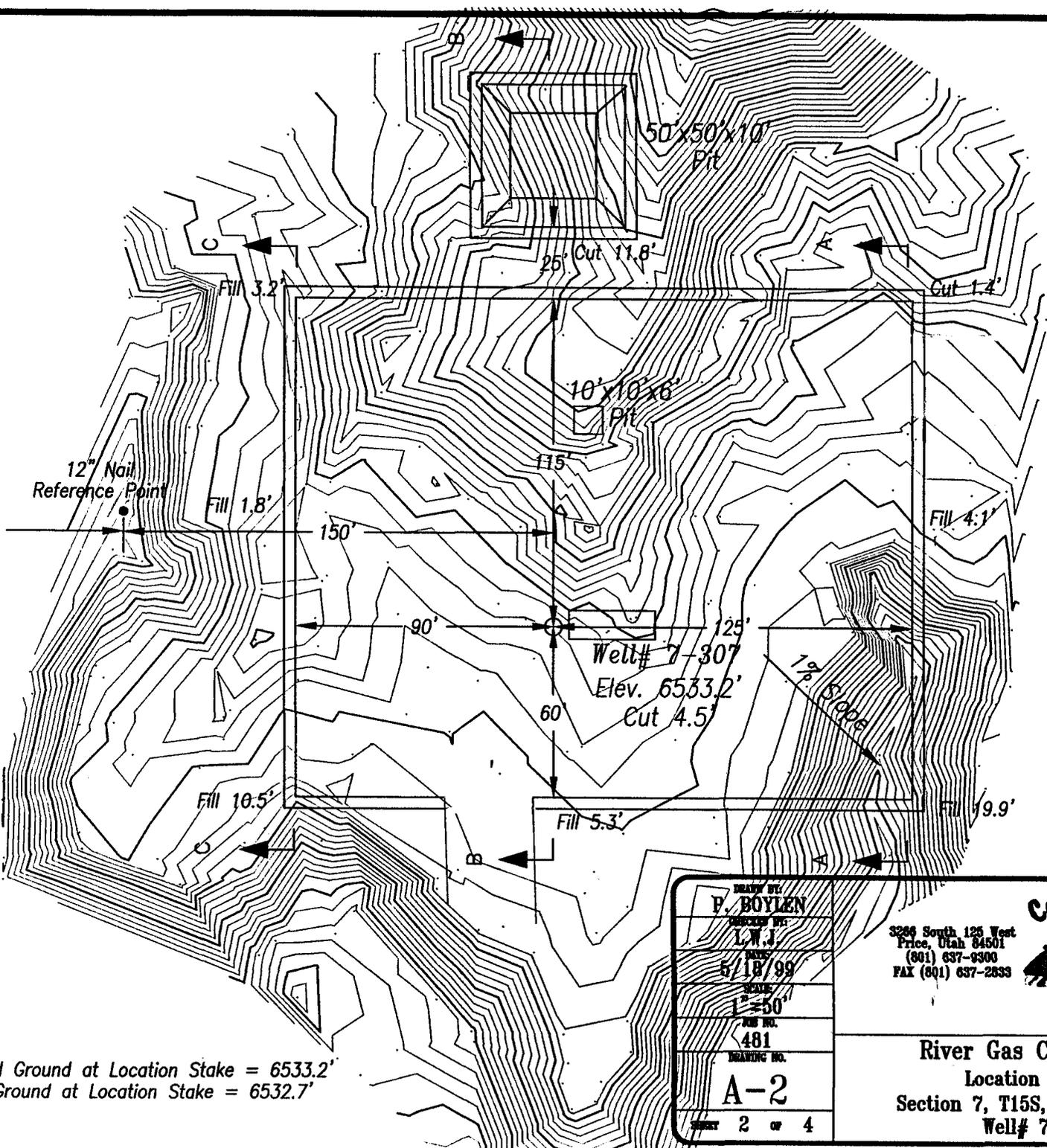
13.

Name & Signature: Don S. Hamilton Title: Permit Specialist Date: 5/27/99

(This space for state use only)

12" Nail  
Reference Point  
100'

12" Nail  
Reference Point



Elevation Ungraded Ground at Location Stake = 6533.2'  
Elevation Graded Ground at Location Stake = 6532.7'

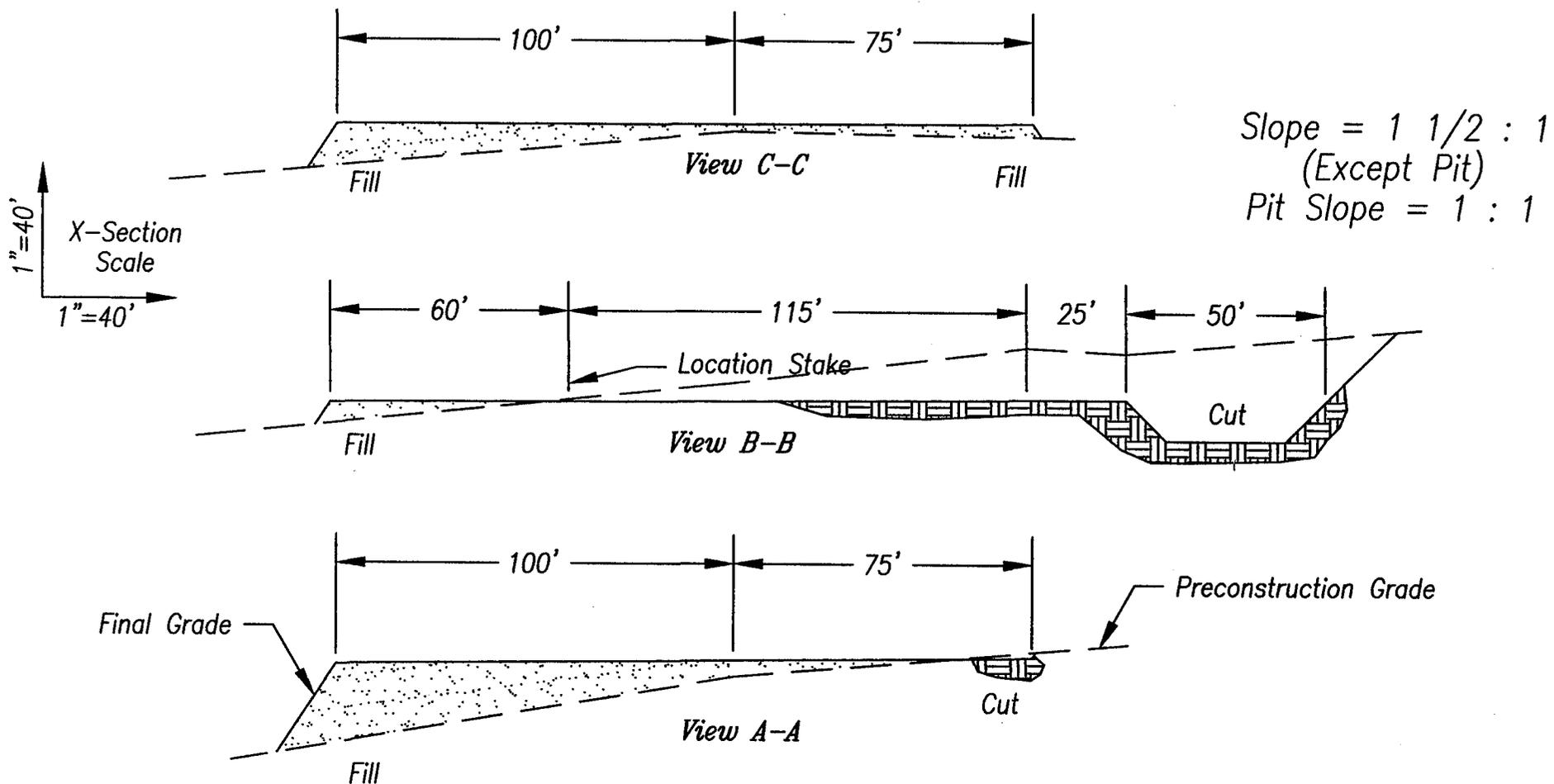
DRAWN BY <b>P. BOYLEN</b>
CHECKED BY <b>L.W.J.</b>
DATE <b>5/18/99</b>
SCALE <b>1"=50'</b>
JOB NO. <b>481</b>
DRAWING NO. <b>A-2</b>
SHEET <b>2 of 4</b>

3266 South 125 West  
Price, Utah 84501  
(801) 637-9300  
FAX (801) 637-2833



Services

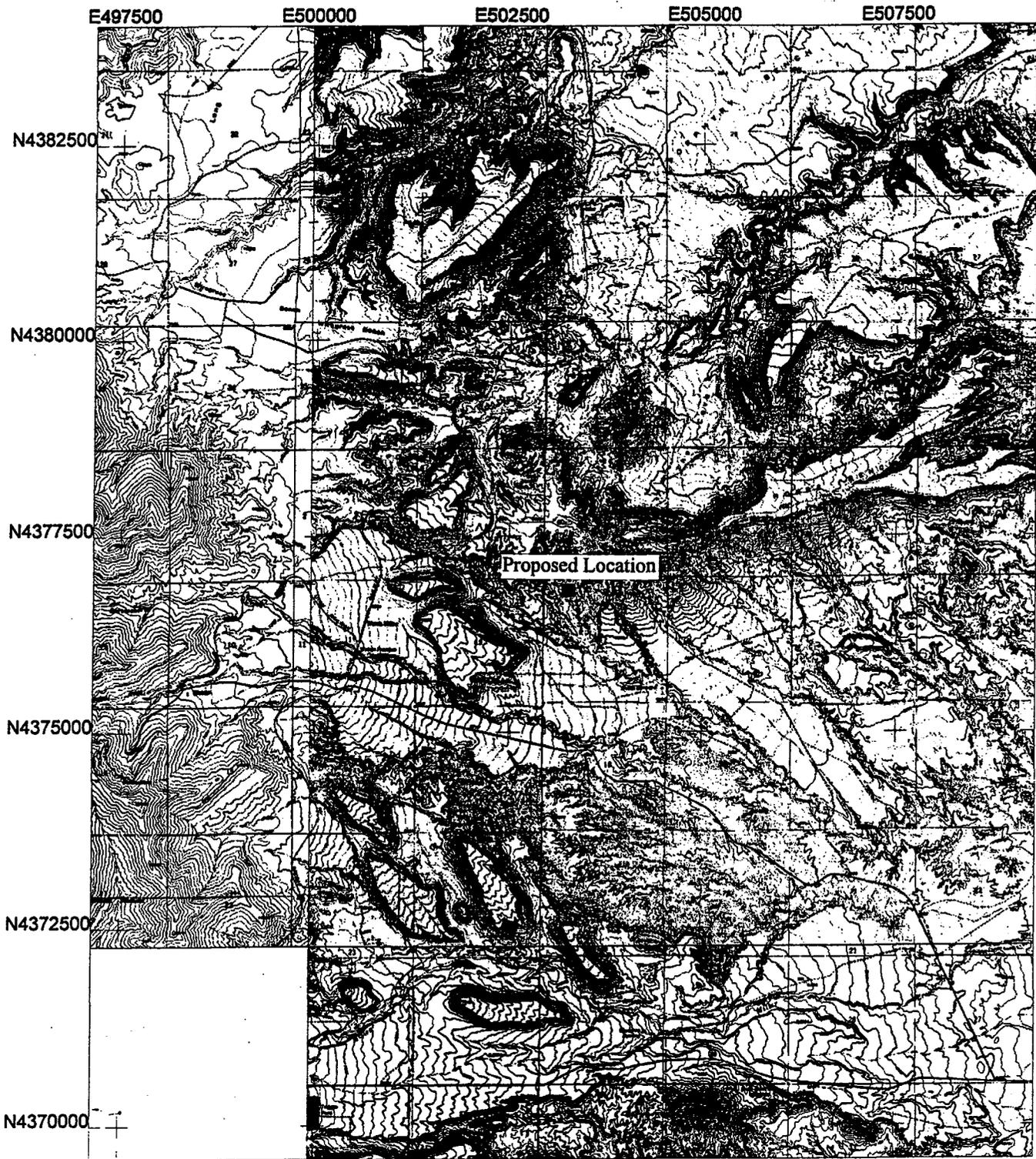
**River Gas Corporation**  
Location Layout  
Section 7, T15S, R9E, S.L.B&M.  
Well# 7-307



APPROXIMATE YARDAGES

<b>CUT</b>	
(6") Topsoil Stripping	= 750.0 Cu. Yds.
Remaining Location	= 4,749.6 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 5,499.6 Cu. Yds.</b>
<b>TOTAL FILL</b>	<b>= 4,908.9 Cu. Yds.</b>

DRAWN BY: <b>P. BOYLEN</b> CHECKED BY: <b>L.W.J.</b> DATE: <b>5/18/99</b> SCALE: <b>As Shown</b> JOB NO. <b>481</b> DRAWING NO. <b>C-1</b> SHEET 3 of 4	 <p>3200 South 125 West          Price, Utah 84501          (801) 637-9300          FAX (801) 637-2633</p> <p><b>Sevens</b></p> <p><b>River Gas Corporation</b>          Typical Cross Sections          Section 7, T15S, R9E, S.L.B&amp;M.          Well# 7-307</p>
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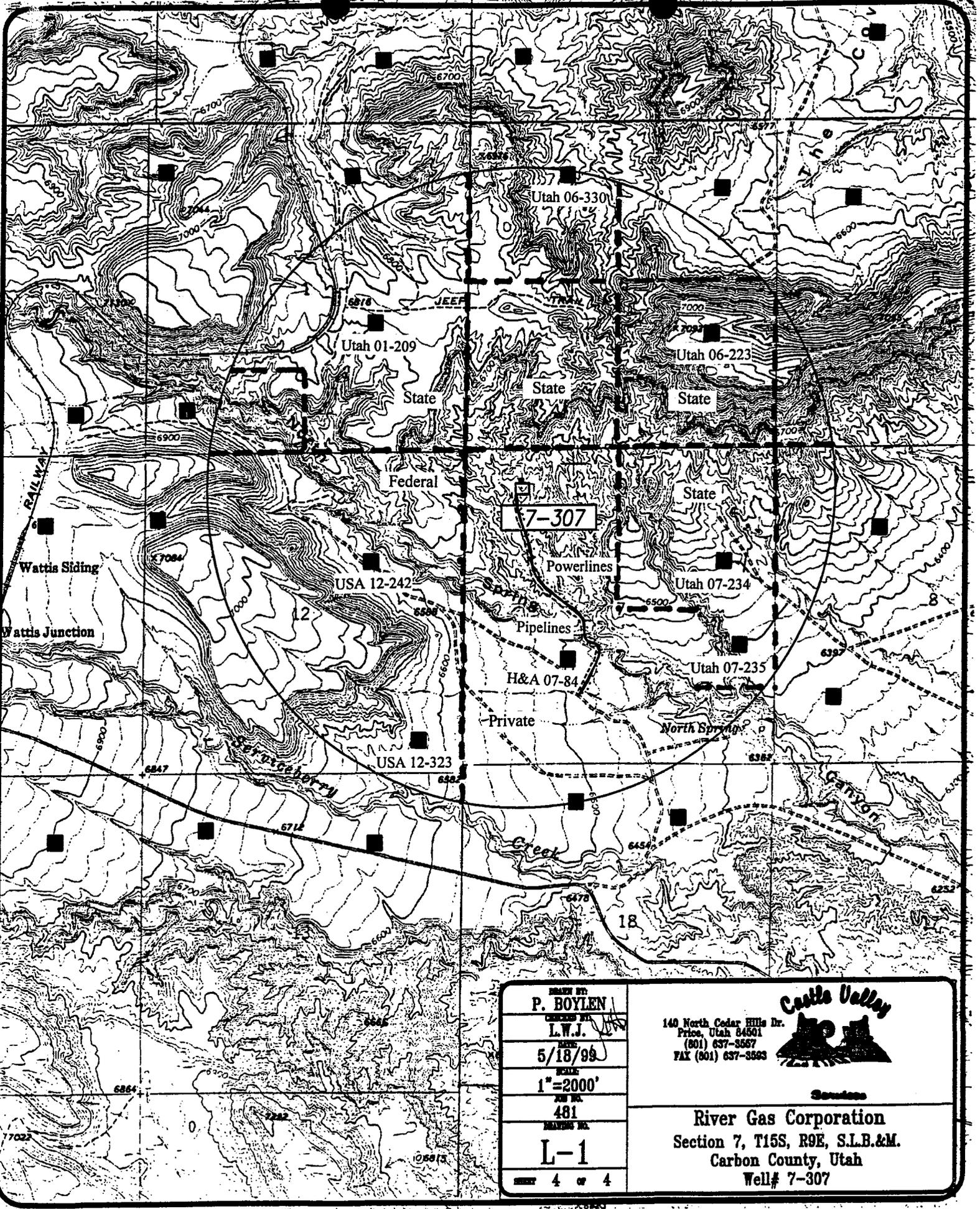


# Helper and Associates 07-307

Universal Transverse Mercator  
North 12  
NAD83 (Conus)



5/19/1999  
Pathfinder Office™  
Trimble



DRAWN BY  
**P. BOYLEN**  
 CHECKED BY  
**L.W.J.**  
 DATE  
**5/18/99**  
 SCALE  
**1"=2000'**  
 JOB NO.  
**481**  
 DRAWING NO.  
**L-1**  
 SHEET **4** OF **4**

**Castle Valley**  
 140 North Cedar Hills Dr.  
 Price, Utah 84501  
 (801) 637-3557  
 FAX (801) 637-3563



Services  
**River Gas Corporation**  
 Section 7, T15S, R9E, S.L.B.&M.  
 Carbon County, Utah  
 Well# 7-307

DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. Type of Well: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER:	5. Lease Designation and Serial Number: Patented
2. Name of Operator: River Gas Corporation	6. If Indian, Allottee or Tribe Name: N/A
3. Address and Telephone Number: 1305 South 100 East, Price, UT 84501 (435)637-8876	7. Unit Agreement Name: Drunkards Wash UTU-67921X
4. Location of Well Footages: 672' FNL, 962' FWL County: Carbon QQ, Sec., T., R., M.: NW/4, NW/4, SEC.07, T15S, R09E, SLB&M State: UTAH	8. Well Name and Number: Helper & Associates 07-307 9. API Well Number: 43-007-30487 10. Field or Pool, or Wildcat: Drunkards Wash

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

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)																										
<table style="width:100%;"> <tr> <td><input type="checkbox"/> Abandon</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Repair Casing</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input type="checkbox"/> Change of Plans</td> <td><input type="checkbox"/> Recomplete</td> </tr> <tr> <td><input type="checkbox"/> Convert to Injection</td> <td><input type="checkbox"/> Reperforate</td> </tr> <tr> <td><input type="checkbox"/> Fracture Treat or Acidize</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Multiple Completion</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td><input type="checkbox"/> Other _____</td> <td></td> </tr> </table> <p>Approximate date work will start _____</p>	<input type="checkbox"/> Abandon	<input type="checkbox"/> New Construction	<input type="checkbox"/> Repair Casing	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Reperforate	<input type="checkbox"/> Fracture Treat or Acidize	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> Other _____		<table style="width:100%;"> <tr> <td><input type="checkbox"/> Abandon *</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Repair Casing</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input checked="" type="checkbox"/> Change of Plans</td> <td><input type="checkbox"/> Reperforate</td> </tr> <tr> <td><input type="checkbox"/> Convert to Injection</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Fracture Treat or Acidize</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td><input type="checkbox"/> Other _____</td> <td></td> </tr> </table> <p>Date of work completion _____</p> <p style="font-size: small;">Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.</p>	<input type="checkbox"/> Abandon *	<input type="checkbox"/> New Construction	<input type="checkbox"/> Repair Casing	<input type="checkbox"/> Pull or Alter Casing	<input checked="" type="checkbox"/> Change of Plans	<input type="checkbox"/> Reperforate	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Fracture Treat or Acidize	<input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> Other _____	
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<input type="checkbox"/> Fracture Treat or Acidize	<input type="checkbox"/> Water Shut-Off																										
<input type="checkbox"/> Other _____																											

12. DESCRIBE PROPOSED OR COMPLETED 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.)

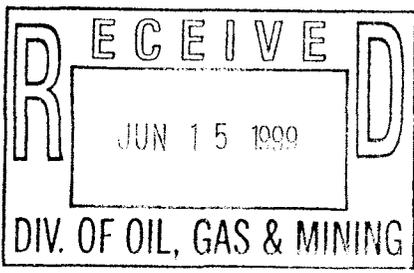
Location Layout reconfiguration following onsite.

River Gas Corporation would like to reconfigure the location layout following the onsite on 6/8/99 to reduce surface disturbance.

Following is an updated Location layout.

CONFIDENTIAL

ORIGINAL



13. Name & Signature: Don S. Hamilton *Don S. Hamilton* Title: Permit Specialist Date: 6/11/99

(This space for state use only)

12" Nail  
Reference Point

12" Nail  
Reference Point

100'

150'

50'x50'x10'  
Pit

10'x10'x6'  
Pit

Well# 7-307  
Elev. 6533.2'  
Cut 4.5'



Elevation Ungraded Ground at Location Stake = 6533.2'  
Elevation Graded Ground at Location Stake = 6532.7'

DRAWN BY	P. BOYLEN
CHECKED BY	L.W.I.
DATE	5/18/99
SCALE	1"=50'
JOB NO.	481
DRAWING NO.	A-2
SHEET	2 of 4

**Castle Valley**  
 3206 South 125 West  
 Price, Utah 84501  
 (801) 637-9300  
 FAX (801) 637-2833



Section

**River Gas Corporation**  
 Location Layout  
 Section 7, T15S, R9E, S.L.B&M.  
 Well# 7-307

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 10/08/1998

API NO. ASSIGNED: 43-007-30487

WELL NAME: HELPER & ASSOC 07-307  
 OPERATOR: RIVER GAS CORPORATION (N1605)  
 CONTACT: Don Hamilton (435)637-8876

AMENDED

PROPOSED LOCATION: *\* Loc. Chg.*  
 NWNW 07 - T15S - R09E  
 SURFACE: 0672-FNL-0962-FWL  
 BOTTOM: 0672-FNL-0962-FWL  
 CARBON COUNTY  
 UNDESIGNATED FIELD (002)

INSPECT LOCATN BY: / /		
TECH REVIEW	Initials	Date
Engineering	<i>RTK</i>	<i>6/22/99</i>
Geology		
Surface		

LEASE TYPE: FEE  
 LEASE NUMBER:  
 SURFACE OWNER: FEE

PROPOSED FORMATION: FRSD

RECEIVED AND/OR REVIEWED:

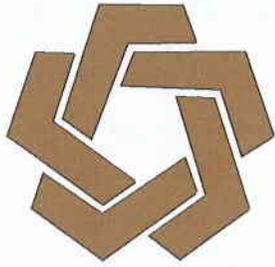
- Plat
- Bond: Fed[] Ind[] Sta[] Fee[]  
(No. 5308586)
- Potash (Y/N)
- Oil Shale (Y/N) \*190-5(B)
- Water Permit  
(No. PPWID)
- RDCC Review (Y/N)  
(Date: \_\_\_\_\_)
- Fee Surf Agreement (Y/N)

LOCATION AND SITING:

- R649-2-3. Unit Drunkards Wash
- R649-3-2. General
- R649-3-3. Exception
- Drilling Unit  
Board Cause No: 243-1 (160')  
Date: 10-13-98
- R649-3-11. Directional Drill

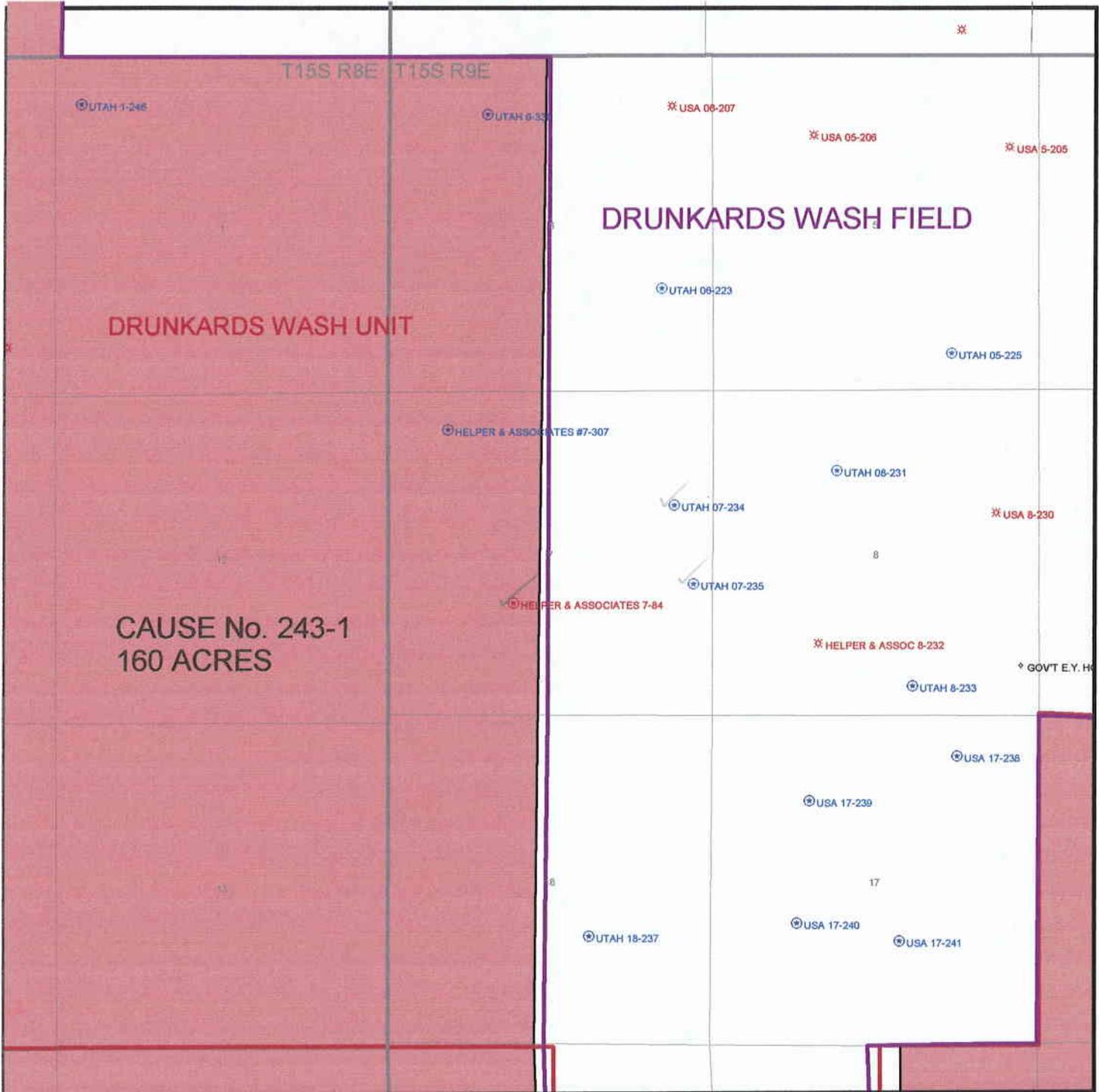
COMMENTS: Need Presite. (Conducted 6-8-99)

STIPULATIONS: (1) Surface + conductor casings shall be cemented to surface.  
(2) STATEMENT OF BASIS



Division of Oil, Gas & Mining

OPERATOR: RIVER GAS CORPORATION (N1605)  
FIELD: UNDESIGNATED (002)  
SEC. 7, TWP 15S, RNG 9E  
COUNTY: CARBON CAUSE No: 243-1 160 ACRES  
UNIT: DRUNKARDS WASH



PREPARED  
DATE: 26-MAY-1999

**ON-SITE PREDRILL EVALUATION**

**Division of Oil, Gas and Mining**

OPERATOR: River Gas Corporation

WELL NAME & NUMBER: Helper & Associates 7-307

API NUMBER: 43-007-30487

LEASE: Private FIELD/UNIT: Undesignated

LOCATION: 1/4,1/4 NWNW Sec: 7 TWP: 15S RNG: 9E 672 FNL 962 FWL

LEGAL WELL SITING:      F SEC. LINE;      F 1/4,1/4 LINE;      F ANOTHER WELL.

GPS COORD (UTM): X =503,241; Y =4,376,548

SURFACE OWNER: Frank Feichko (435) 637-5068

**PARTICIPANTS**

C. Kierst(DOGM), D. Hamilton, G. Vasquez and C. Anderson(RGC), F. Feichko(Owner), L. Jensen(Nelco). Mr. Feichko did not walk in to the new location because of the distance and rough terrain.

**REGIONAL/LOCAL SETTING & TOPOGRAPHY**

Western margin of Colorado Plateau/~4.5 miles east of Wasatch Plateau and 1/2 mile south and east of 3-400' cliffs of upper bench remnants. Location is about 8 miles southwest of Price, Utah, and 3 miles east of Wattis on a moderately eroded landscape. The pad is between small drainages feeding North Spring Canyon (2000' southwest, ~80' deep) with some nearby erosional remnants topped by Quaternary/Tertiary pediment mantle.

**SURFACE USE PLAN**

CURRENT SURFACE USE: Grazing, wildlife habitat

PROPOSED SURFACE DISTURBANCE: 215' (on longest side) X ~200' (longest perpendicular axis) irregularly shaped pad with 50' X 50' X 10' attached pit and 4000' of new approach road off existing road.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: 2 unapproved RGC CBM locations, 3 approved RGC CBM locations and 2 RGC CBM locations in DRL status.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: none nearby.

SOURCE OF CONSTRUCTION MATERIAL: Gravel location and approach road; soil stored in berm.

ANCILLARY FACILITIES: none

WASTE MANAGEMENT PLAN:

Portable toilets; garbage cans on location will be emptied into centralized dumpsters which will be emptied into an approved landfill.

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: Location is ~1800' northeast of North Spring Canyon, 1 mile northwest of North Spring and a mile north of Serviceberry Creek. The Price River is ~8 miles northeast. Approach road requires 404 Dredge & Fill Permit - North Spring Creek is wet at the crossing.

FLORA/FAUNA: Pinyon, juniper/ birds, lizards, coyotes, rodents, raptors, elk, deer (critical winter range), reptiles

SOIL TYPE AND CHARACTERISTICS: Silty, shaly and finely sandy (SM-SC), moderately-permeable soil developed on the Blue Gate Shale Member (above Garley Canyon Beds) of Mancos Shale.

SURFACE FORMATION & CHARACTERISTICS: Blue Gate Shale Member (above Garley Canyon Beds) of Mancos Shale, light gray, bentonitic shale and sandstone ledges.

EROSION/SEDIMENTATION/STABILITY: Unstable because of the eroded nature of the terrain which includes a rimrock defining the limits of a bedrock-supported pad on three sides of the location.

PALEONTOLOGICAL POTENTIAL: None observed

RESERVE PIT

CHARACTERISTICS: Dugout, earthen pit, as above.

LINER REQUIREMENTS (Site Ranking Form attached): Synthetic liner

SURFACE RESTORATION/RECLAMATION PLAN

SURFACE AGREEMENT: Surface Owner Agreement is included in well file.

CULTURAL RESOURCES/ARCHAEOLOGY: Private minerals, surface. None needed.

OTHER OBSERVATIONS/COMMENTS

404 Dredge&Fill Permit needed / engineered stream crossing for access road crossing on North Spring Creek. Location rotated ~20-25° counterclockwise.

ATTACHMENTS:

4 photographs taken. (27-30)

Chris Kierst  
DOGM REPRESENTATIVE

6/8/99/ 2:00 PM  
DATE/TIME

**Evaluation Ranking Criteria and Ranking Score  
For Reserve and Onsite Pit Liner Requirements**

<u>Site-Specific Factors</u>	<u>Ranking</u>	<u>Site Ranking</u>
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	<u>0</u>
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	<u>0</u>
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	20	<u>0</u>
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	<u>0</u>
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	<u>10</u>
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	10	
TDS >10000 or Oil Base Mud Fluid	15	
containing significant levels of hazardous constituents	20	<u>0</u>
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	<u>0</u>
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	<u>5</u>
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	<u>0</u>
Presence of Nearby Utility Conduits		
Not Present	0	
Unknown	10	
Present	15	<u>0</u>

**Final Score**      15      (Level II Sensitivity)

# DIVISION OF OIL, GAS AND MINING

## APPLICATION FOR PERMIT TO DRILL STATEMENT OF BASIS

**Operator Name:** River Gas Corporation

**Name & Number:** Helper & Associates 7-307

**API Number:** 43-007-30487

**Location:** 1/4, 1/4 NWNW Sec. 7 T. 15S R. 9E

### **Geology/Ground Water:**

The silty, shaly and finely sandy moderately-permeable soil is developed on the Blue Gate Shale Member of the Mancos Shale. The Garley Canyon Sandstone Beds of the Blue Gate Shale Member of the Mancos Shale are likely to be present at this location. If the Garley Canyon Beds are present (probable) and wet (possible - standing water was found in upper Garley Canyon Beds in Pinnacle Canyon ~3 miles north northeast), both beds should be included within the surface casing string. The operator is informed of the potential for wet Garley Canyon Beds and will respond to protect the zones by extending the surface casing string as needed. Extending the proposed casing and cement will adequately isolate any shallow zones containing water.

**Reviewer:** Christopher J. Kierst **Date:** 6/16/99

### **Surface:**

The nearest moving surface waters are at North Spring (~1 mile southeast). Precipitation will be deflected around the location with berms and culverts. There are no nearby culinary or irrigation water supply wells. The site was photographed and characterized on 6/8/99. Provision was made to ensure site rehabilitation, litter and waste control, preservation of drainage patterns and the integrity of local infrastructure, groundwater and other resources. The well utilities and gas gathering system will follow the approach roadway. Need 404 Dredge & Fill Permit for North Spring Creek crossing of access road.

**Reviewer:** Christopher J. Kierst **Date:** 6/16/99

### **Conditions of Approval/Application for Permit to Drill:**

- 1) Culverts sufficient to manage expected runoff, standing and surface water in crossed drainages.
- 2) Berm location and pit.
- 3) Site infrastructure as per drilling location plat.
- 4) Minimum 12 mil synthetic liner acceptable.
- 5) Extend surface casing as needed to contain any water in the Garley Canyon Beds of Blue Gate Shale Member of the Mancos Shale.
- 6) Procure 404 Dredge and Fill Permit for access road crossing of North Spring Creek.
- 7) Pad layout as per attached amended drilling location plat.

12" Nail  
Reference Point

12" Nail  
Reference Point

100'

150'

50'x50'x10'  
Pit

10'x10'x6'  
Pit

Well# 7-307  
Elev. 6533.2'  
Cut 4.5'



Elevation Ungraded Ground at Location Stake = 6533.2'  
Elevation Graded Ground at Location Stake = 6532.7'

DRAWN BY	P. BOYLEN
DATE	5/18/99
SCALE	1"=50'
SHEET NO.	481
PROJECT NO.	A-2
SHEET	2 of 4

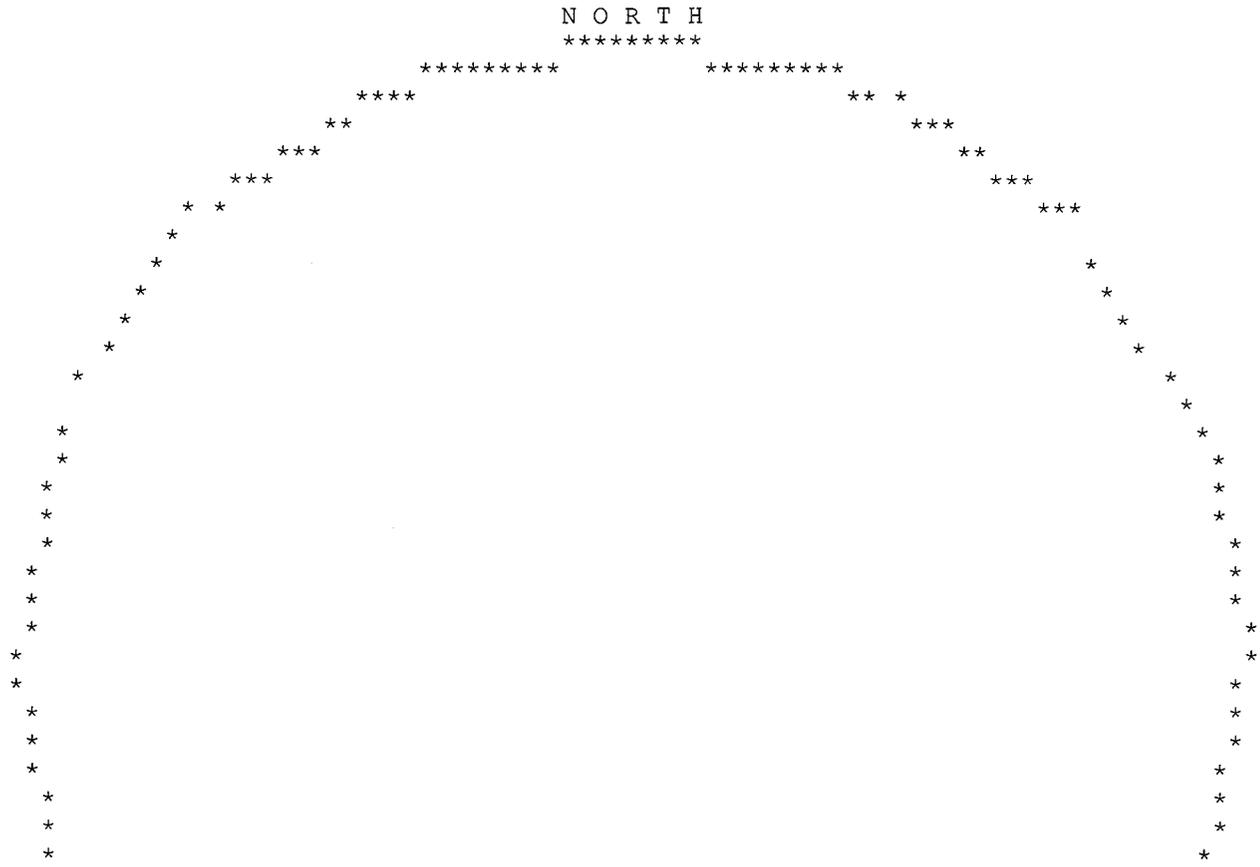
**Castle Valley**  
Services  
3266 South 125 West  
Prico, Utah 84501  
(801) 637-9300  
FAX (801) 637-2833

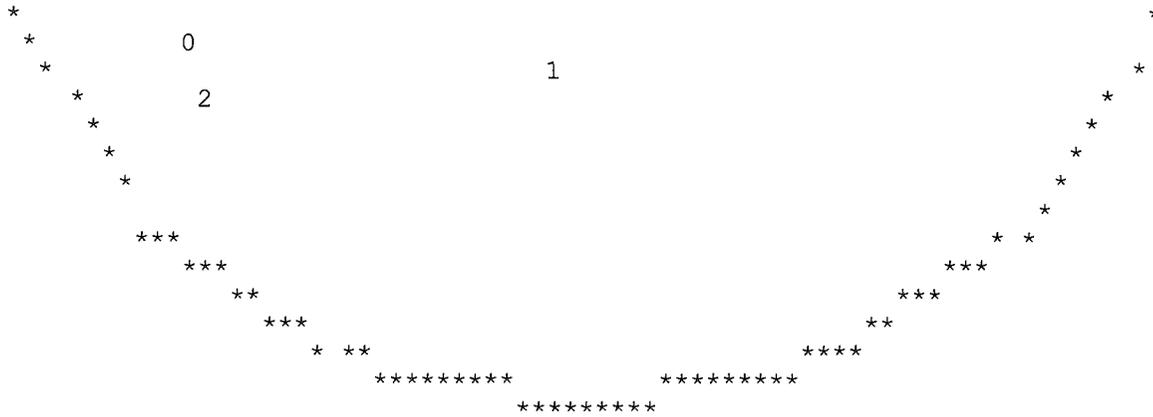
**River Gas Corporation**  
Location Layout  
Section 7, T15S, R9E, S.L.B&M.  
Well# 7-307

UTAH DIVISION OF WATER RIGHTS  
WATER RIGHT POINT OF DIVERSION PLOT CREATED TUE, JUN 15, 1999, 2:19 PM  
PLOT SHOWS LOCATION OF 7 POINTS OF DIVERSION

PLOT OF AN AREA WITH A RADIUS OF 2640 FEET FROM A POINT  
S 672 FEET, E 962 FEET OF THE NW CORNER,  
SECTION 28 TOWNSHIP 15S RANGE 9E SL BASE AND MERIDIAN

PLOT SCALE IS APPROXIMATELY 1 INCH = 1000 FEET





UTAH DIVISION OF WATER RIGHTS  
 NWPLAT POINT OF DIVERSION LOCATION PROGRAM

MAP CHAR	WATER RIGHT	QUANTITY CFS	AND/OR AC-FT	SOURCE DESCRIPTION or WELL INFO	POINT OF DIVERSION DESCRIPTION
				DIAMETER DEPTH YEAR LOG	NORTH EAST CNR SEC TWN RNG B&M
0	91 322	.1520	.00	UGW Well (tunnel)	N 900 W 740 E4 29 15S 9E SL
		WATER USE(S): IRRIGATION			PRIORITY DATE: 09/14/19
		ANR Co. Inc		3212 South State Street	Salt Lake City
0	91 83	.0000	.00	Miller Creek	N 900 W 740 E4 29 15S 9E SL
		WATER USE(S): IRRIGATION			PRIORITY DATE: 11/30/19
		River Gas Corporation		511 Energy Center Boulevard	Northport
		Texaco Exploration and Production Inc.		P.O. Box 2100	Denver
		Dominion Reserves - Utah Inc.		901 East Byrd St	Richmond
0	91 105	.7000	.00	North Fork Miller Creek	N 900 W 740 E4 29 15S 9E SL
		WATER USE(S): IRRIGATION			PRIORITY DATE: 08/17/19
		ANR Co. Inc		3212 South State Street	Salt Lake City
		River Gas Corporation		511 Energy Center Boulevard	Northport
		Texaco Exploration and Production Inc.		P.O. Box 2100	Denver

	Dominion Reserves		901 East Byrd Street		Richmond
0	<u>91 358</u>	.0000	76.50 Miller Creek	N 900 W 740	E4 29 15S 9E SL
	WATER USE(S): IRRIGATION				PRIORITY DATE: 00/00/18
	River Gas Corporation			511 Energy Center Boulevard	Northport
	Texaco Exploration And Production Inc.			P.O. Box 2100	Denver
	Dominion Reserves - Utah Inc			901 East Byrd St.	Richmond
0	<u>91 842</u>	5.0000	.00 Miller Creek	N 900 W 740	E4 29 15S 9E SL
	WATER USE(S): IRRIGATION				PRIORITY DATE: 00/00/18
	River Gas Corporation			511 Energy Center Boulevard	Northport
	Texaco Exploration And Production Inc			P.O. Box 2100	Denver
	Dominion Reserves - Utah Inc			901 East Byrd St.	Richmond
1	<u>91 323</u>	.3340	.00 UGW Well	N 759 E 799	W4 28 15S 9E SL
	WATER USE(S):				PRIORITY DATE: 05/ /19
	River Gas Corporation			511 Energy Center Boulevard	Northport
	Texaco Exploration And Production Inc			P.O. Box 2100	Denver
	Dominion Reserves - Utah Inc			901 East Byrd St	Richmond
2	<u>91 3758</u>	.0000	.00 Miller Creek		PRIORITY DATE: 00/00/18
	WATER USE(S):				
	River Gas Corporation			511 Energy Center Boulevard	Northport
	Texaco Exploration And Production Inc.			P.O. Box 2100	Denver
	Dominion Reserves - Utah Inc.			901 East Byrd St.	Richmond

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\*\*\* FORTRAN I/O ERROR 908: COULD NOT OPEN FILE SPECIFIED ABORT: FQUE.PUB.APACHE NM SYS a.00aa0288  
 dbg\_abort\_trace+\$24NM USER 281.00ae8864 IO\_DED+\$254NM PROG 3cd.000058bc gorun+\$14c

**From:** Mark Page  
**To:** Chris Kierst  
**Date:** Wed, Jun 16, 1999 4:25 PM  
**Subject:** Re: 404 Dredge and Fill Permit

River Gas filed Joint Permit Application #99-91-06 on February 2, 1999. This permit was approved March 5, 1999. The crossing is located in the NE4SW4 Section 7, T15S, R9E, SLB&M. The proposed crossing is located about 3000 feet northwesterly from North Springs.

If a copy of this permit would be helpful I would be happy to send one, or you could stop by our office on the second floor of the DNR complex and they could get you a copy.

If you have any other questions please let me know.

>>> Chris Kierst 06/16 9:18 AM >>>

Has River Gas procured a 404 Dredge and Fill Permit for a crossing over North Spring Creek to access their Utah 7-307 location. The APD calls for a crossing at C NE SW (about 1/2 mile upstream of North Spring) in S. 7, T15S, R9E.

Well name:	<b>699 RGC Helper 07-307</b>	
Operator:	<b>River Gas Corp.</b>	Project ID:
String type:	Production	43-007-30487
Location:	Carbon County	

**Design parameters:**

**Collapse**

Mud weight: 8.330 ppg  
 Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
 Surface temperature: 75 °F  
 Bottom hole temperature: 130 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 368 ft

Cement top: 1,140 ft

**Burst**

Max anticipated surface pressure: 0 psi  
 Internal gradient: 0.433 psi/ft  
 Calculated BHP 1,688 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
 8 Round LTC: 1.80 (J)  
 Buttress: 1.60 (J)  
 Premium: 1.50 (J)  
 Body yield: 1.50 (B)

Non-directional string.

Tension is based on buoyed weight.

Neutral point: 3,407 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	3900	5.5	17.00	N-80	LT&C	3900	3900	4.767	134.4

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	1688	6290	3.73	1688	7740	4.59	58	348	6.01 J

Prepared RJK  
 by: Utah Dept. of Natural Resources

Date: June 22, 1999  
 Salt Lake City, Utah

ENGINEERING STIPULATIONS: Conductor and surface casing shall be cemented to surface.  
 Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.  
 Collapse is based on a vertical depth of 3900 ft, a mud weight of 8.33 ppg. The casing is considered to be evacuated for collapse purposes.  
 Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

Well name:

**699 RGC Helper 07-307**

Operator: **River Gas Corp.**

String type: Surface

Project ID:

43-007-30487

Location: Carbon County

**Design parameters:**

**Collapse**

Mud weight: 8.330 ppg  
Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 75 °F  
Bottom hole temperature: 80 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 290 ft

Cement top: 33 ft

**Burst**

Max anticipated surface pressure: -4,207 psi  
Internal gradient: 11.221 psi/ft  
Calculated BHP 169 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

Tension is based on buoyed weight.  
Neutral point: 341 ft

Non-directional string.

**Re subsequent strings:**

Next setting depth: 7,500 ft  
Next mud weight: 9.000 ppg  
Next setting BHP: 3,506 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 7,500 ft  
Injection pressure 7,500 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	390	8.625	24.00	J-55	ST&C	390	390	7.972	18.8
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	169	1370	8.12	169	2950	17.48	8	244	29.79 J

Prepared RJK  
by: Utah Dept. of Natural Resources

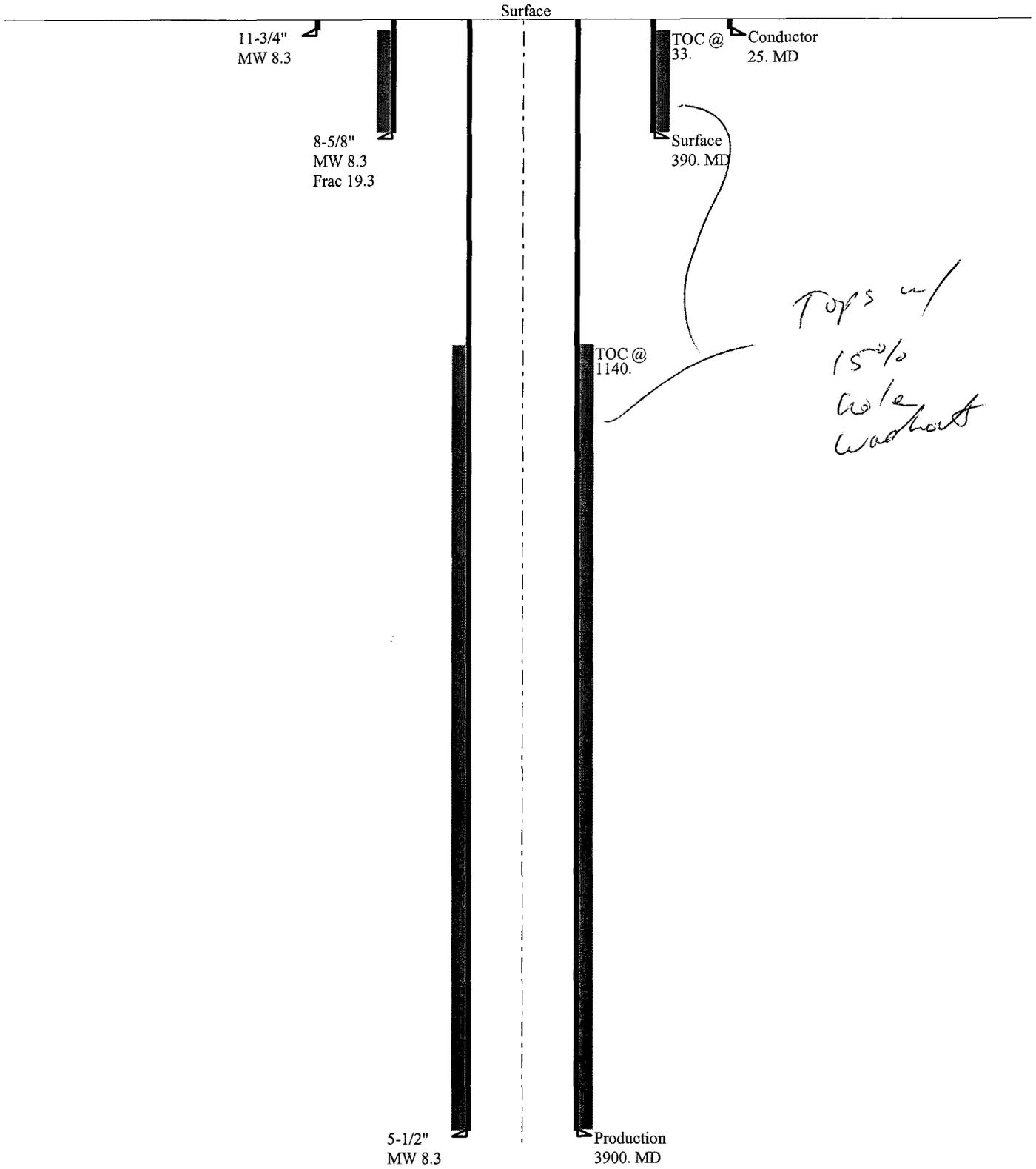
Date: June 22,1999  
Salt Lake City, Utah

ENGINEERING STIPULATIONS: Conductor and surface casing shall be cemented to surface.  
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.  
Collapse is based on a vertical depth of 390 ft, a mud weight of 8.33 ppg The casing is considered to be evacuated for collapse purposes.  
Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

# 699 RGC Helper 07-307

## Casing Schematic





State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Kathleen Clarke  
Executive Director

Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
801-538-5340  
801-359-3940 (Fax)  
801-538-7223 (TDD)

June 22, 1999

AMENDED PERMIT APPROVAL

River Gas Corporation  
1305 South 100 East  
Price, Utah 84501

Re: Helper & Associates 07-307 Well, 672' FNL, 962' FWL, NW NW, Sec.7, T. 15 S.,  
R. 9 E., Carbon County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-007-30487.

Sincerely,

A handwritten signature in black ink that reads "John R. Baza".

John R. Baza  
Associate Director

lwp

Enclosures

cc: Carbon County Assessor  
Bureau of Land Management, Moab District Office

**Operator:** River Gas Corporation

**Well Name & Number:** Helper & Associates 07-307

**API Number:** 43-007-30487

**Lease:** Fee                      **Surface Owner:** Fee

**Location:** NW NW                      **Sec.** 7    **T.** 15 S.    **R.** 9 E.

### Conditions of Approval

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

#### 2. Notification Requirements

Notify the Division of the following actions during drilling of this well:

- . 24 hours prior to cementing or testing casing
- . 24 hours prior to testing blowout prevention equipment
- . 24 hours prior to spudding the well
- . within 24 hours of any emergency changes made to the approved drilling program
- . prior to commencing operations to plug and abandon the well

Division contacts (please leave a voice mail message if person is not available to take the call):

- . Dan Jarvis at (801) 538-5338
- . Robert Krueger at (801) 538-5274 (plugging)
- . Carol Daniels at (801) 538-5284 (spud)

#### 3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Conductor and surface casing shall be cemented to surface.

5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. Type of Well: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER:	5. Lease Designation and Serial Number: Patented
2. Name of Operator: River Gas Corporation	6. If Indian, Allottee or Tribe Name: N/A
3. Address and Telephone Number: 1305 South 100 East, Price, UT 84501 (435)637-8876	7. Unit Agreement Name: Drunkards Wash UTU-67921X
4. Location of Well Footages: 672' FNL, 962' FWL	8. Well Name and Number: Helper & Associates 07-307
QQ, Sec., T., R., M.: NW/4, NW/4, SEC.07, T15S, R09E, SLB&M	9. API Well Number: 43-007-30487
	10. Field or Pool, or Wildcat: Drunkards Wash
	County: Carbon
	State: UTAH

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

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<input type="checkbox"/> Abandon <input type="checkbox"/> Repair Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Convert to Injection <input type="checkbox"/> Fracture Treat or Acidize <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Other _____	<input type="checkbox"/> Abandon * <input type="checkbox"/> Repair Casing <input checked="" type="checkbox"/> Change of Plans <input type="checkbox"/> Convert to Injection <input type="checkbox"/> Fracture Treat or Acidize <input type="checkbox"/> Other _____
<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recomplete <input type="checkbox"/> Reperforate <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Reperforate <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off
Approximate date work will start _____	Date of work completion _____

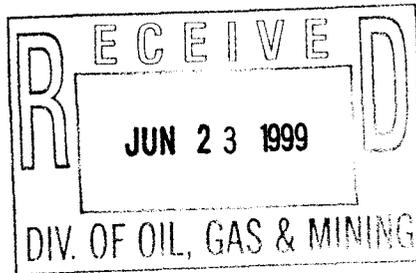
Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

12. DESCRIBE PROPOSED OR COMPLETED 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.)

Location Layout reconfiguration following onsite.

River Gas Corporation would like to reconfigure the location layout following the onsite on 6/8/99 to reduce surface disturbance.

Following is an updated Location layout.



CONFIDENTIAL

**COPY**

13.

Name & Signature: Don S. Hamilton *Don S. Hamilton* Title: Permit Specialist Date: 6/11/99

(This space for state use only)

12" Nail  
Reference Point

12" Nail  
Reference Point

100'

150'

50'x50'x10'  
Pit

10'x10'x6'  
Pit

Well# 7-307  
Elev. 6533.2'  
Cut 4.5'



Elevation Ungraded Ground at Location Stake = 6533.2'  
Elevation Graded Ground at Location Stake = 6532.7'

DRAWN BY <b>F. BOYLEN</b> CHECKED BY DATE 5/18/99 SCALE 1"=50' SHEET NO. 481 DRAWING NO. <b>A-2</b> OF 2 OF 4	 Castle Valley 3269 South 125 West Provo, Utah 84501 (801) 637-9300 FAX (801) 637-2833 Services
<b>River Gas Corporation</b> Location Layout Section 7, T15S, R9E, S.L.B&M. Well# 7-307	

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

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Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

5. Lease Designation and Serial Number: \_\_\_\_\_

6. If Indian, Allottee or Tribe Name: N/A

7. Unit Agreement Name: N/A

8. Well Name and Number: H&A 7-307

9. API Well Number: 43-007-30487

10. Field or Pool, or Wildcat: Drunkards Wash

1. Type of Well: OIL  GAS  OTHER

2. Name of Operator: River Gas Corporation

3. Address and Telephone Number: 1305 South 100 East, Price, UT 84501 (435)637-8876

4. Location of Well  
Footages: 672' FNL, 962' FWL  
County: Carbon  
QQ, Sec., T., R., M.: NW/4, NW/4, SEC.07, T15S, R9E, SLB&M  
State: UTAH

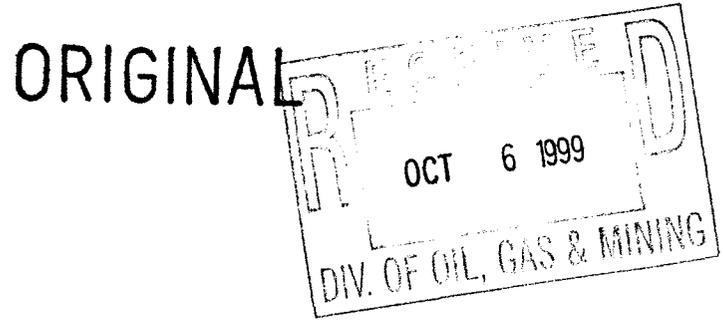
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<input type="checkbox"/> Abandon <input type="checkbox"/> Repair Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Convert to Injection <input type="checkbox"/> Fracture Treat or Acidize <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Other _____	<input type="checkbox"/> Abandon * <input type="checkbox"/> Repair Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Convert to Injection <input type="checkbox"/> Fracture Treat or Acidize <input checked="" type="checkbox"/> Other <u>Weekly Report</u>
<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recomplete <input type="checkbox"/> Reperforate <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Reperforate <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off
Approximate date work will start _____	Date of work completion _____

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12. DESCRIBE PROPOSED OR COMPLETED 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.)

See Attached



13. Name & Signature: Frankie Hathaway Frankie Hathaway Title: Administrative Assistant Date: 10/1/1999

(This space for state use only)

CONFIDENTIAL

DAILY WELL REPORTS

River Gas Corporation  
H&A 7-307  
NW/4, NW/4 Sec. 7, T15S., R9E., SLB&M  
672' FNL, 962' FWL  
CARBON COUNTY, UTAH  
API #43-007-30487  
SURVEYED ELEVATION: 6469'  
DRILLING CONTRACTOR: Pense Bros. Rig #2

PAGE 1

**DRILLING:**

Day 1. 9/25/99. Current Depth: 380'. Present Operations: RIH w/7-7/8" hammer. Total Rotating Hrs:6. 7:00 am-9:00 am Move equip to location. **Spud at 9:00 am on 9/24/99.** 9:00 am-10:00 am Service equip. 9:00 am-1:00 pm Set 7' conductor. 1:00 pm-5:30 pm Drill 11" hole to 380'. 5:30-6:00 pm TOOH. 6:00 pm-7:00 pm Run 356.45' 8-5/8" csg, RU Dowell. 7:00 pm - 7:45 Cement surface csg, close v/v @ 7:45 pm. 7:45-2:00 am WOC. 2:00 am-3:00 am Install BOP. 3:00 am-5:00 am Test BOP. 5:00 am-6:00 am Run blow line. 6:00 am-7:00 am Change bits, RIH. [REDACTED]

Day 2. 9/26/99. Current Depth: 2720'. Present Operations: Wetting Hole. Total Rotating Hrs: 22.5. 7:00 am-11:30 pm Drilling 7-7/8" hole, 890' @ 12:00 pm, 1620' @ 5:00 pm, 1940' @ 7:00 pm, 2720' @ 11:30 pm. 11:30 pm-2:00 am POOH. 2:00 am-3:00 am RIH w/ Drill collars. 3:00 am-6:00 am RIH w/rods. 6:00 am-7:00 am Wet hole. [REDACTED]

Day 3. 9/27/99. Current Depth: 3515'. Present Operations: RU loggers, POOH. Total Rotating Hrs: 33. 7:00 am-8:00 am Fix water line on rig. 8:00 am -6:30 pm Drilli 7-7/8" hole, 3135' @ 12:00 pm, **TD @ 3515' on 9/26/99 @ 6:30 pm.** 6:30 pm-7:00 pm Clean hole. 7:00 pm-8:30 pm Trip out to check v/v. 8:30pm- 10:30 pm Mix and pump mud. 10:30 pm-11:30 pm Circ. To bottom. 11:30 pm-1:30 am Circulate. 1:30 am-2:30 am Short trip. 2:30 am-3:30 am Circulate. 3:30 am-7:00 am POOH. [REDACTED]

Day 4. 9/28/99. Current Depth: 3515'. Present Operations: Waiting on Scraper Run. 7:00 am - 8:30 am Lay down drill collars. 8:30 am-9:00 am RU PSI to log. 9:00 am-11:00 am log hole. 11:00 am- 11:30 am RD loggers. 11:30 am-2:30 pm Move off location. 2:30 pm- 8:30 pm Move on location, RU and prepare to run csg, spot catwalk and piperacks. Unload csg, remove thread protectors and tally top rows. Pickup 5-1/2" csg, shoe and 34 jts 5-1/2" 17# csg, tally bottom row, pickup 46 jts 5-1/2" 17# N-80 csg. Total shoe and 80 jts land csg at 3488.70'. RU Dowell to cement, bump plug at 8:05 pm. [REDACTED]

9/29/99. Completion Report. N/down BOP and N/up wellhead. P/up 4-3/4 nom. casing scraper +112 jts 2-7/8 tbg. Tag fill at 3497' (2' fill). POOH laying down tbg on trailer. R/down and move nearer drilling rig. [REDACTED]

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. Type of Well: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER:		5. Lease Designation and Serial Number:
2. Name of Operator: River Gas Corporation		6. If Indian, Allottee or Tribe Name: N/A
3. Address and Telephone Number: 1305 South 100 East, Price, UT 84501 (435)637-8876		7. Unit Agreement Name: N/A
4. Location of Well Footages: 672' FNL, 962' FWL QQ, Sec., T., R., M.: NW/4, NW/4, SEC.07, T15S, R9E, SLB&M		8. Well Name and Number: H&A 7-307
		9. API Well Number: 43-007-30487
		10. Field or Pool, or Wildcat: Drunkards Wash
		County: Carbon
		State: UTAH

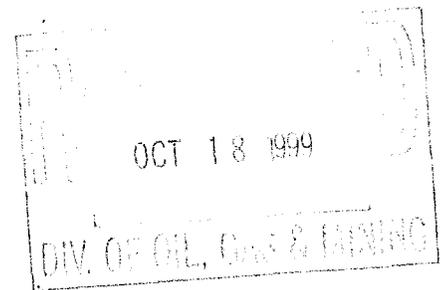
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NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<input type="checkbox"/> Abandon <input type="checkbox"/> Repair Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Convert to Injection <input type="checkbox"/> Fracture Treat or Acidize <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Other _____	<input type="checkbox"/> Abandon * <input type="checkbox"/> Repair Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Convert to Injection <input type="checkbox"/> Fracture Treat or Acidize <input checked="" type="checkbox"/> Other Spud Notice
<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recomplete <input type="checkbox"/> Reperforate <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Reperforate <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off
Approximate date work will start _____	Date of work completion _____

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

12. DESCRIBE PROPOSED OR COMPLETED 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.)

Date Spud: 9/24/1999 @ 9:00 am.  
Drilling Contractor: Pense Bros. Rig#2



13. Name & Signature: Frankie Hathaway *Frankie Hathaway* Title: Administrative Assistant Date: 10/8/1999

(This space for state use only)

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**CONFIDENTIAL**

**SUNDRY NOTICES AND REPORTS ON WELLS**

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5. Lease Designation and Serial Number: <u>Patented</u>
6. If Indian, Allottee or Tribe Name: <u>N/A</u>
7. Unit Agreement Name: <u>N/A</u>
8. Well Name and Number: <u>Helper &amp; Ass. 7-307</u>
9. API Well Number: <u>43-007-30487</u>
10. Field or Pool, or Wildcat: <u>Undesignated</u>
County: <u>CARBON</u>
State: <u>UTAH</u>

1. Type of Well: OIL  GAS  OTHER

2. Name of Operator:  
River Gas Corporation

3. Address and Telephone Number:  
1305 South 100 East, Price, UT 84501 (435)637-8876

4. Location of Well  
Footages: 1814 2003  
672' FNL, 962' FWL

QQ, Sec., T., R., M.: NW/4 NW/4, Section 07, T15S, R09E, SLB&M

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

**NOTICE OF INTENT**  
(Submit in Duplicate)

**SUBSEQUENT REPORT**  
(Submit Original Form Only)

- Abandon
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Multiple Completion
- Other \_\_\_\_\_
- New Construction
- Pull or Alter Casing
- Recomplete
- Reperforate
- Vent or Flare
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- Abandon \*
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Date of work completion \_\_\_\_\_

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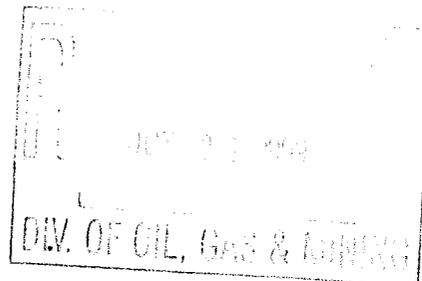
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13. Name & Signature: Franki Hathaway Title: Administrative Assistant Date: 10/22/99

(This space for state use only)

DAILY WELL REPORTS

River Gas Corporation  
H&A 7-307  
NW/4, NW/4 Sec. 7, T15S., R9E., SLB&M  
672' FNL, 962' FWL  
CARBON COUNTY, UTAH  
API #43-007-30487  
SURVEYED ELEVATION: 6469'  
DRILLING CONTRACTOR: Pense Bros. Rig #2



PAGE 1

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10/16/99. Rig up Halliburton, perforate and frac three zones:  
Zone1: 3218'-3228', 3200'-3208'  
Zone2: 3178'-3184', 3154'-3162', 3140'-3142', 3120'-3124', 3112'-3114'  
Zone3: 3094'-3096', 3080'-3090', 3065'-3068', 3027'-3030'  
Heat frac water 1300.00. [REDACTED]

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

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FEE-Patented

6. If Indian, Allottee or Tribe Name:  
N/A

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Drunkards Wash UTU-67921X

8. Well Name and Number:  
H & A 07-307

9. API Well Number:  
43-007-30487

10. Field or Pool, or Wildcat:  
Drunkards Wash

1. Type of Well: OIL  GAS  OTHER:

2. Name of Operator:  
River Gas Corporation

3. Address and Telephone Number:  
1305 South 100 East, Price, UT 84501 (435)637-8876

4. Location of Well  
Footages: 672' FNL, 962' FWL  
County: Carbon  
QQ, Sec., T., R., M.: NW/4, NW/4, SEC.07, T15S, R09E, SLB&M  
State: UTAH

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

NOTICE OF INTENT (Submit in Duplicate)		SUBSEQUENT REPORT (Submit Original Form Only)	
<input type="checkbox"/> Abandon	<input type="checkbox"/> New Construction	<input type="checkbox"/> Abandon *	<input type="checkbox"/> New Construction
<input type="checkbox"/> Repair Casing	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Repair Casing	<input type="checkbox"/> Pull or Alter Casing
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Reperforate
<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Reperforate	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Fracture Treat or Acidize	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Fracture Treat or Acidize	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> Other <u>Online Notice</u>	
<input type="checkbox"/> Other _____			

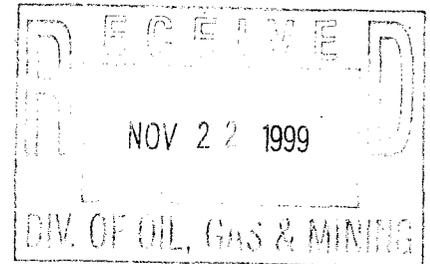
Approximate date work will start \_\_\_\_\_

Date of work completion \_\_\_\_\_

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12. DESCRIBE PROPOSED OR COMPLETED 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.)

The H & A 07-307 was placed online and showed first production 10/22/99.



13. Name & Signature: Frankie Hathaway *Frankie Hathaway* Title: Administrative Asst. Date: 11/18/99

(This space for state use only)

RECEIVED  
NOV 22 1999

CONFIDENTIAL

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 \_\_\_\_\_

2. NAME OF OPERATOR  
RIVER GAS CORPORATION

3. ADDRESS OF OPERATOR  
1305 South 100 East, Price, UT 84501 (435) 637-8876

4. LOCATION OF WELL (Report clearly and in accordance with any State requirements)  
At surface 672' FNL, 962' FWL  
At top prod. interval reported below

14. API NO. 43-007-30487 DATE ISSUED 6/22/99

15. DATE SPUNDED 9/24/99 16. DATE T.D. REACHED 9/26/99 17. DATE COMPL. (Ready to prod. or Plug & Abd.) 10/15/99 18. ELEVATIONS (DF, REB, RT, GR, ETC.) GR 6469'

20. TOTAL DEPTH, MD & TVD 3515' 21. PLUG BACK T.D., MD & TVD 3498' 22. IF MULTIPLE COMPL., HOW MANY N/A 23. INTERVALS DRILLED BY N/A

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD OR TVD)  
Ferron Coal - Top Coal 3094' & Bottom Coal 3218''

26. TYPE ELECTRIC AND OTHER LOGS RUN CBL  
Dual Induction, Laterolog, SFF, GR, Caliper, Comp Density, & Neutron

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENT RECORD	AMOUNT PULLED
12 3/4"	Conductor	7'	15"		
8 5/8"	24#	356'	11"	125 sxs Class G, 2% ST-1/4#per sack D29	
5 1/2"	17#	3498'	7 7/8"	325 sxs 50/50 POZ8%D20, 10%D44, 1/4#/skD29	
				80 sks tail 10-1 RFC	

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	3497'	N/A

31. PERFORATION RECORD (Interval, size and number)

Upper: 3094'-3096', 3080'-3090', 3065'-3068', 3027'-3030' 4spf .88"

Middle: 3178'-3184', 3154'-3162', 3140'-3142', 3120'-3124', 3112'-3114' 4spf .88"

Lower: 3218'-3228', 3200'-3208' 4spf .88"

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
Upper 3094'-3030'	85,000#, 16/30; 34,753 gal fluid
Middle 3178'-3114'	82,000#, 16/30; 37,086 gal fluid
Lower 3218'-3208'	82,000#, 16/30; 37,786 gal fluid

33. PRODUCTION

DATE FIRST PRODUCTION 10/22/99 PRODUCTION METHOD Pumping - 2 1/2" x 2" x 16' RWAC WELL STATUS Producing

DATE OF TEST 10/22/99 HOURS TESTED 24hrs. CHOKER SIZE ----- PROD'N FOR TEST PERIOD N/A OIL---BBL. N/A GAS---MCF. 33 WATER---BBL. 422 GAS-OIL RATIO

FLOW. TUBING PRESS. 33 CASING PRESSURE 33 CALCULATED 24-HOUR RATE N/A OIL---BBL. N/A GAS---MCF. 33 WATER---BBL. 422 OIL GRAVITY - API (CORR.) N/A

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) SOLD TEST WITNESSED BY Jerry H. Dietz

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 Jean Semborski TITLE Permit Specialist DATE November 16, 1999

5. LEASE DESIGNATION AND SERIAL NO. Patented

6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A

7. UNIT AGREEMENT NAME Drunkards Wash UTU-67921X

8. FARM OR LEASE NAME H & A

9. WELL NO. 07-307

10. FIELD AND POOL, OR WILDCAT Drunkards Wash

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA NW/4 NW/4, Sec 07, T15S, R09E, SLB&M

12. COUNTY Carbon 13. STATE Utah

19. ELEV. CASINGHEAD N/A

25. WAS DIRECTIONAL SURVEY MADE

CONFIDENTIAL  
Other PERIOD EXPIRED ON 11-15-00

FORMATION TOPS GIVEN PER TELECON WITH FRANKIE HATHAWAY ON 11/15/00

COAL INTERVAL - 3064-3206

FRSD - 3023

BETONITE - 2953

TUNUNK - 3334

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR River Gas Corporation  
ADDRESS 6825 S. 5300 W. P.O. Box 651  
Price, UT 84501

OPERATOR ACCT. NO. \_\_\_\_\_

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
C	11988	11256	43-007-30308	Utah 02-169	SESE	02	15S	08E	Carbon	7/28/1999	7/1/1999
WELL 1 COMMENTS: Drunkard's Wash Unit; 7th Revision effective 7/1/1999. <i>Entity added 000313 - Jim 8/13/96</i>											
C		11256	43-007-30482	USA 12-242	SWNE	12	15S	08E	Carbon	6/24/1999	7/1/1999
WELL 2 COMMENTS: Drunkard's Wash Unit; 7th Revision effective 7/1/1999. <i>Entity added 000313</i> CONFIDENTIAL											
C	12570	11256	43-007-30430	Utah 06-223	NESE	06	15S	08E	Carbon	8/26/1999	7/1/1999
WELL 3 COMMENTS: Drunkard's Wash Unit; 7th Revision effective 7/1/1999. <i>Entity added 000313 - Jim</i> CONFIDENTIAL											
C	12665	11256	43-007-30409	Utah 07-234	SENE	07	15S	08E	Carbon	10/26/99	7/1/1999
WELL 4 COMMENTS: Drunkard's Wash Unit; 7th Revision effective 7/1/1999. <i>Entity added 000313 - Jim</i> CONFIDENTIAL											
C	12574	11256	43-007-30487	H&A 07-307	NWNW	07	15S	08E	Carbon	9/24/1999	7/1/1999
WELL 5 COMMENTS: Drunkard's Wash Unit; 7th Revision effective 7/1/1999. <i>Entity added 000313 - Jim.</i> CONFIDENTIAL											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

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

Frankie Hathaway *Frankie Hathaway*  
Signature

Administrative Assistant 3/6/2000

Title Date

Phone No. (435)613-9777

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

ORIGINAL CONFIDENTIAL

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>	5. Lease Designation and Serial Number: <u>Patented</u>
Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.	6. If Indian, Allottee or Tribe Name: <u>N/A</u>
1. Type of Well: OIL <input type="checkbox"/> GAS <input type="checkbox"/> OTHER: <input checked="" type="checkbox"/>	7. Unit Agreement Name: <u>UTU67921X Drunkards Wash</u>
2. Name of Operator: <u>River Gas Corporation</u>	8. Well Name and Number: <u>Helper &amp; Associates 07-307</u>
3. Address and Telephone Number: <u>6825 South 5300 West, P.O. Box 851, Price, UT 84501 (435) 613-9777</u>	9. API Well Number: <u>43-007-30487</u>
4. Location of Well Footages: County: <u>672' FNL, 962' FWL</u> <span style="float: right;"><u>Carbon County</u></span>	10. Field or Pool, or Wildcat: <u>Drunkards Wash</u>
QQ, Sec., T., R., M.: State: <u>NW/NW SEC. 07, T15S, R09E, SLB &amp; M</u> <span style="float: right;"><u>Utah</u></span>	

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

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<input type="checkbox"/> Abandon <input type="checkbox"/> Repair Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Convert to Injection <input type="checkbox"/> Fracture Treat or Acidize <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Other _____ Approximate date work will start _____	<input type="checkbox"/> Abandon * <input type="checkbox"/> Repair Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Convert to Injection <input type="checkbox"/> Fracture Treat or Acidize <input checked="" type="checkbox"/> Other <u>Chemical/Flush Treatment</u> Date of work completion <u>06/16/2000</u>
	Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form. * Must be accompanied by a cement verification report.

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

Please be advised that the above referenced well was chemically treated with 4000 gallons of low Ph fluid & 250 gallons of 7 1/2% HCL on 06/16/00.

13.

Name & Signature: Rochelle Crabtree Title: Administrative Assistant Date: 07/03/2000

(This space for state use only)

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

ORIGINAL COPY

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. Type of Well: OIL  GAS  OTHER:

**CONFIDENTIAL**

2. Name of Operator: River Gas Corporation

3. Address and Telephone Number: 6825 South 5300 West, P.O. Box 851, Price, UT 84501 (435) 613-9777

4. Location of Well  
Footages: County: 672' FNL, 962' FWL  
QQ, Sec., T., R., M.: State: NW/NW SEC. 07, T15S, R09E, SLB & M

5. Lease Designation and Serial Number:

Patented

6. If Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

UTU67921X Drunkards Wash

8. Well Name and Number:

Helper & Associates 07-307

9. API Well Number:

43-007-30487

10. Field or Pool, or Wildcat:

Drunkards Wash

Carbon County

Utah

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

**NOTICE OF INTENT**  
(Submit in Duplicate)

- Abandon
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Multiple Completion
- Other \_\_\_\_\_
- Approximate date work will start \_\_\_\_\_
- New Construction
- Pull or Alter Csg
- Recomplete
- Reperforate
- Vent or Flare
- Water Shut-Off

**SUBSEQUENT REPORT**  
(Submit Original Form Only)

- Abandon \*
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Other Chemical/Flush Treatment
- Date of work completion 06/16/2000
- New Construction
- Pull or Alter Csg
- Reperforate
- Vent or Flare
- Water Shut-Off

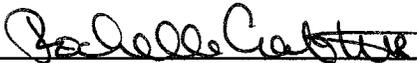
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\* Must be accompanied by a cement verification report.

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Please be advised that the above referenced well was chemically treated with 4000 gallons of low Ph fluid & 250 gallons of 7 1/2% HCL on 06/16/00.

13.

Name & Signature: Rochelle Crabtree  Title: Administrative Assistant Date: 07/03/2000

(This space for state use only)

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

WTC

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5 Lease Designation and Serial Number: \_\_\_\_\_  
 6 If Indian, Allottee or Tribe Name: \_\_\_\_\_  
 7 Unit Agreement Name: \_\_\_\_\_  
 8 Well Name and Number: \_\_\_\_\_  
 9 API Well Number: \_\_\_\_\_  
 10 Field or Pool, or Wildcat: \_\_\_\_\_

1 Type of Well: OIL  GAS  OTHER: \_\_\_\_\_  
 2 Name of Operator: River Gas Corporation  
 3 Address and Telephone Number: 6825 S. 5300 W. P.O. Box 851 Price, Utah 84501 (435) 613-9777

4 Location of Well Footages: \_\_\_\_\_ County: Carbon County  
 QQ, Sec., T., R., M.: SLB & M State: Utah

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

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

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

Please be advised that River Gas Corporation is transferring ownership of the attached list of wells to Phillips Petroleum Company 9780 Mt. Pyramid Court, Englewood, CO 80112.  
 Please direct all correspondence and reports to: Phillips Petroleum Company P.O. Box 3368, Englewood, CO 80155-3368.  
 Effective 1/1/01

13  
 Name & Signature: Cal Hurtt *Cal Hurtt* Title: Development Manager Date: 12/19/00

(This space for state use only)

# Drunkards Wash Total Well Count

(Through 2000 Drilling Season)

Well #	API #	Location	Section	Tship	Range
Utah 25-09-01	4300730130	1683 FSL, 877 FEL	25	14S	09E
Utah 36-01-02	4300730178	600 FNL, 620 FEL	36	14S	09E
Utah 31-03-03	4300730143	740 FNL, 1780 FWL	31	14S	10E
Utah 36-03-04	4300730142	822 FNL, 2176 FWL	36	14S	09E
Utah 36-09-05	4300730144	2050 FSL, 700 FEL	36	14S	09E
Utah 25-07-06	4300730156	2599 FNL, 1902 FEL	25	14S	09E
Utah 25-11-07	4300730157	1718 FSL, 2210 FWL	25	14S	09E
Utah 26-16-08	4300730181	800 FSL, 750 FEL	26	14S	09E
Utah 35-01-09	4300730180	650 FNL, 850 FEL	35	14S	09E
Utah 31-12-10	4300730183	1995 FSL, 745 FWL	31	14S	10E
Utah 36-11-11	4300730184	1837 FSL, 1903 FWL	36	14S	09E
Utah 19-14-12	4300730182	860 FSL, 1780 FWL	19	14S	10E
Utah 30-05-13	4300730179	1493 FNL, 728 FWL	30	14S	10E
Utah 30-13-14	4300730185	612 FSL, 670 FWL	30	14S	10E
Utah 24-01-15	4300730191	1320 FNL, 1320 FEL	24	14S	09E
Utah 24-03-16	4300730187	1310 FNL, 1525 FWL	24	14S	09E
Utah 24-12-17	4300730208	1320 FSL, 1320 FWL	24	14S	09E
Utah 24-16-18	4300730192	482 FSL, 940 FEL	24	14S	09E
Utah 23-02-19	4300730207	963 FNL, 1470 FEL	23	14S	09E
Utah 23-04-20	4300730194	1291 FNL, 1257 FWL	23	14S	09E
Utah 23-14-21	4300730200	739 FSL, 1716 FWL	23	14S	09E
Utah 23-09-22	4300730201	1320 FSL, 1320 FEL	23	14S	09E
Utah 26-01-23	4300730205	1320 FNL, 1320 FEL	26	14S	09E
Utah 26-06-24	4300730202	1480 FNL, 2000 FWL	26	14S	09E
Utah 26-11-25	4300730204	1500 FSL, 1500 FWL	26	14S	09E
Utah 35-03-26	4300730203	1085 FNL, 1805 FWL	35	14S	09E
Utah 35-10-27	4300730197	2567 FSL, 2151 FEL	35	14S	09E
Utah 35-13-28	4300730198	1236 FSL, 1152 FWL	35	14S	09E
Utah 27-08-29	4300730193	2134 FNL, 753 FEL	27	14S	09E
Utah 27-09-30	4300730186	1359 FSL, 707 FEL	27	14S	09E
Utah 34-01-31	4300730196	464 FNL, 540 FEL	34	14S	09E
Utah 34-09-32	4300730195	1938 FSL, 435 FEL	34	14S	09E
Utah 25-04-33	4300730206	920 FNL, 780 FWL	25	14S	09E
Prettyman 10-15-34	4300730211	842 FSL, 1419 FEL	10	14S	09E
Utah 10-36	4300730302	1213 FNL, 469 FEL	10	15S	09E
Utah 12-15-37	4300730210	1158 FSL, 1494 FEL	12	15S	09E
Utah 06-38	4300730217	899 FNL, 1730 FEL	6	15S	10E
Utah 06-39	4300730218	934 FNL, 819 FWL	6	15S	10E
Utah 06-40	4300730219	2180 FSL, 1780 FEL	6	15S	10E
Utah 06-41	4300730254	2124 FSL, 1054 FWL	6	15S	10E
Utah 01-42	4300730220	860 FNL, 1780 FEL	1	15S	09E
Utah 01-43	4300730221	808 FNL, 1451 FWL	1	15S	09E
Utah 01-44	4300730222	860 FSL, 1320 FWL	1	15S	09E
Utah 01-45	4300730223	1219 FSL, 1318 FEL	1	15S	09E
Utah 02-46	4300730224	860 FNL, 860 FEL	2	15S	09E

Utah 02-47	4300730225	1318 FNL, 1791 FWL	2	15S	09E
Utah 02-48	4300730226	1780 FSL, 860 FEL	2	15S	09E
Utah 02-49	4300730227	1320 FSL, 2080 FWL	2	15S	09E
Utah 11-50	4300730228	860 FNL, 860 FEL	11	15S	09E
Utah 11-51	4300730229	1000 FNL, 1900 FWL	11	15S	09E
Utah 11-52	4300730230	1400 FSL, 1100 FEL	11	15S	09E
Utah 11-53	4300730231	1780 FSL, 1800 FWL	11	15S	09E
Utah 12-54	4300730232	875 FNL, 1015 FWL	12	15S	09E
Utah 12-55	4300730233	1500 FNL, 1320 FEL	12	15S	09E
Utah 12-56	4300730234	1500 FSL, 1320 FWL	12	15S	09E
Utah 07-57	4300730235	1421 FNL, 1003 FWL	7	15S	10E
Utah 07-58	4300730236	1495 FNL, 2006 FEL	7	15S	10E
Utah 07-59	4300730237	1400 FSL, 2100 FEL	7	15S	10E
Utah 07-60	4300730238	954 FSL, 1256 FWL	7	15S	10E
Utah 14-61	4300730239	1386 FNL, 931 FEL	14	15S	09E
Utah 14-62	4300730240	980 FNL, 1385 FWL	14	15S	09E
Utah 14-63	4300730241	1780 FSL, 1320 FEL	14	15S	09E
Utah 14-64	4300730242	907 FSL, 1392 FWL	14	15S	09E
Utah 13-65	4300730243	1320 FNL, 1200 FEL	13	15S	09E
Utah 13-66	4300730244	1276 FNL, 1301 FWL	13	15S	09E
Utah 13-67	4300730245	1800 FSL, 1500 FEL	13	15S	09E
Utah 13-68	4300730246	1320 FSL, 1320 FWL	13	15S	09E
Utah 18-69	4300730427	1320 FNL, 1320 FWL	18	15S	10E
Utah 18-70	4300730248	1110 FNL, 2127 FEL	18	15S	10E
Utah 18-71	4300730249	1764 FSL, 1767 FEL	18	15S	10E
Utah 18-72	4300730250	2100 FSL, 1100 FWL	18	15S	10E
USA 19-73	4300730392	1664 FNL, 1412 FEL	19	15S	10E
Utah 14-74	4300730529	1365 FSL, 1988 FEL	14	14S	09E
Utah 14-75	4300730263	1036 FSL, 1622 FWL	14	14S	09E
Utah 22-76	4300730251	1320 FNL, 660 FEL	22	14S	09E
Utah 19-77	4300730252	1780 FSL, 660 FWL	19	14S	10E
Williams 30-78	4300730279	460 FNL, 660 FEL	30	14S	10E
Utah 31-79	4300730253	1780 FSL, 1780 FEL	31	14S	10E
Utah 24-80	4300730255	590 FNL, 1612 FWL	24	15S	09E
Utah 24-81	4300730256	1067 FNL, 1361 FEL	24	15S	09E
Utah 32-82	4300730257	600 FNL, 2028 FEL	32	15S	09E
Utah 21-83	4300730259	1780 FNL, 460 FWL	21	15S	10E
H&A 07-84	4300730258	1780 FSL, 1780 FWL	7	15S	09E
Utah 27-85	4300730261	2173 FNL, 676 FWL	27	14S	08E
Utah 24-86	4300730267	1788 FSL, 1677 FEL	24	15S	09E
Utah 24-87	4300730375	1780 FSL, 1333 FWL	24	15S	09E
USA 15-88	4300730264	872 FSL, 875 FEL	15	14S	09E
Telonis 22-89	4300730266	836 FNL, 1766 FWL	22	14S	09E
Telonis 21-90	4300730328	1272 FNL, 1188 FEL	21	14S	09E
USA 13-91	4300730568	1443 FSL, 1017 FWL	13	14S	09E
Utah 13-92	4300730439	624 FSL, 899 FEL	13	14S	09E
Utah 18-93	4300730587	556 FSL, 673 FWL	18	14S	10E
Utah 05-95	4300730269	640 FNL, 580 FWL	5	15S	10E
Utah 05-94	4300730270	1520 FSL, 1320 FWL	5	15S	10E

Utah 05-96	4300730271	1780 FSL, 2180 FEL	5	15S	10E
Utah 08-97	4300730272	1495 FNL, 1273 FEL	8	15S	10E
Utah 08-98X	4300730285	1341 FNL, 1319 FWL	8	15S	10E
Utah 08-99	4300730274	1500 FSL, 1120 FWL	8	15S	10E
Utah 08-100	4300730275	1500 FSL, 1400 FEL	8	15S	10E
Utah 17-101	4300730416	460 FNL, 2180 FEL	17	15S	10E
Utah 17-102	4300730277	810 FNL, 910 FWL	17	15S	10E
Utah 17-103	4300730278	1520 FSL, 1120 FWL	17	15S	10E
Powell 19-104	4300730282	1327 FNL, 1458 FWL	19	15S	10E
Powell 19-105	4300730283	1239 FSL, 1325 FWL	19	15S	10E
Utah 23-106	4300730280	150 FNL, 1400 FEL	23	15S	09E
Utah 23-107	4300730281	1252 FNL, 1255 FWL	23	15S	09E
Birkinshaw 19-108	4300730284	1305 FNL, 1192 FEL	19	15S	09E
Utah 36-109	4300730268	1800 FNL, 1800 FWL	36	15S	09E
Utah 16-110	4301530250	860 FSL, 2000 FWL	16	16S	09E
Fausett 09-111	4300730428	2215 FSL, 354 FEL	9	14S	09E
Fausett 10-112	4300730415	1590 FSL, 1342 FWL	10	14S	09E
Giacoletto 11-113	4300730335	500 FSL, 2070 FWL	11	14S	09E
Prettyman 11-114	4300730340	471 FSL, 1828 FEL	11	14S	09E
Giacoletto 13-120	4300730407	1200 FNL, 1219 FWL	13	14S	09E
Giacoletto 14-121	4300730345	1200 FNL, 1060 FEL	14	14S	09E
USA 14-122	4300730404	1500 FNL, 1039 FWL	14	14S	09E
Utah 30-125	4300730262	630 FSL, 1627 FEL	30	14S	10E
Utah 31-126	4300730305	1954 FNL, 1291 FEL	31	14S	10E
Robertson 32-127	4300730374	646 FNL, 349 FWL	32	14S	10E
Utah 04-129	4300730309	700 FWL, 1850 FSL	4	15S	10E
Utah 04-130	4300730519	860 FSL, 2150 FEL	4	15S	10E
Sampinos 16-131	4300730610	1201 FNL, 1016 FWL	16	15S	10E
Jensen 16-132	4300730588	1206 FSL, 1240 FWL	16	15S	10E
LDS 17-133	4300730296	1500 FSL, 1700 FEL	17	15S	10E
Utah 25-134	4300730399	745 FNL, 1482 FWL	25	15S	09E
Utah 36-135	4300730341	850 FNL, 850 FEL	36	15S	09E
Utah 36-136	4300730343	465 FSL, 660 FWL	36	15S	09E
Utah 36-137	4300730342	2180 FSL, 1800 FEL	36	15S	09E
Utah 02-138	4301530288	638 FNL, 1865 FEL	2	16S	09E
Utah 02-139	4301530289	1890 FNL, 850 FWL	2	16S	09E
Utah 02-140	4301530290	850 FSL, 1800 FWL	2	16S	09E
Utah 02-141	4301530291	1800 FSL, 1950 FEL	2	16S	09E
Telonis 15-142	4300730319	1320 FSL, 860 FWL	15	14S	09E
Fausett 16-143	4300730320	1320 FNL, 1320 FEL	16	14S	09E
Fausett 16-144	4300730321	1800 FNL, 860 FWL	16	14S	09E
Telonis 16-145	4300730322	1320 FSL, 1320 FWL	16	14S	09E
Paar 16-146	4300730323	843 FSL, 2157 FEL	16	14S	09E
Christiansen 17-147	4300730324	860 FSL, 1800 FWL	17	14S	09E
Christiansen 17-148	4300730325	1250 FSL, 1100 FEL	17	14S	09E
Birkinshaw 18-149	4300730326	500 FSL, 500 FEL	18	14S	09E
Telonis 19-150	4300730300	751 FNL, 1840 FWL	19	14S	09E
Telonis 19-151	4300730299	860 FSL, 2000 FWL	19	14S	09E
Telonis 20-152	4300730327	1320 FNL, 1900 FEL	20	14S	09E

Telonis 21-153	4300730329	860 FNL, 1800 FWL	21	14S	09E
Telonis 29-154	4300730330	800 FNL, 1500 FWL	29	14S	09E
Telonis 29-155	4300730331	1800 FSL, 1250 FWL	29	14S	09E
Telonis 30-156	4300730301	910 FNL, 868 FEL	30	14S	09E
Telonis 30-157	4300730332	1800 FSL, 580 FEL	30	14S	09E
Utah 32-158	4300730333	1038 FNL, 1768 FEL	32	14S	09E
Utah 32-159	4300730334	2011 FNL, 1426 FWL	32	14S	09E
Utah 32-160	4300730398	1500 FSL, 1780 FWL	32	14S	09E
Utah 32-161	4300730336	415 FSL, 1408 FEL	32	14S	09E
Utah 36-162	4300730315	2053 FNL, 685 FEL	36	14S	08E
Utah 36-163	4300730316	860 FNL, 2100 FWL	36	14S	08E
Utah 36-164	4300730317	1070 FSL, 2000 FWL	36	14S	08E
Utah 36-165	4300730318	1100 FSL, 1500 FEL	36	14S	08E
Utah 02-166	4300730337	1219 FNL, 1738 FEL	2	15S	08E
Utah 02-167	4300730338	660 FNL, 2075 FWL	2	15S	08E
Utah 02-168	4300730339	1800 FSL, 2100 FWL	2	15S	08E
Utah 02-169	4300730308	754 FSL, 1000 FEL	2	15S	08E
Seamons 32-170	4300730291	700 FNL, 500 FWL	32	13S	09E
Pinnacle Peak 19-171	4300730117	1320 FSL, 1320 FEL	19	14S	09E
Telonis 20-172	4300730107	1980 FSL, 660 FEL	20	14S	09E
Powell 30-173	4300730346	1200 FNL, 1200 FWL	30	15S	10E
Stella-Hamaker 10-174	4300730116	852 FNL, 1971 FWL	10	15S	08E
Utah 31-175	4301530317	897 FNL, 1731 FWL	31	16S	09E
USA 15-176	4300730450	2588 FNL, 1155 FEL	15	14S	09E
USA 09-178	4300730419	428 FSL, 2527 FWL	9	14S	09E
USA 17-180A	4300730622	2563 FNL, 1383 FWL	17	14S	09E
USA 18-182	4300730417	1068 FSL, 1972 FWL	18	14S	09E
USA 24-183	4300730469	828 FNL, 624 FEL	24	14S	08E
Utah 27-187	4300730395	1400 FNL, 1400 FWL	27	14S	09E
Utah 27-188	4300730292	477 FSL, 518 FWL	27	14S	09E
Utah 28-189	4300730396	1707 FNL, 868 FEL	28	14S	09E
Utah 28-190	4300730397	1969 FNL, 1324 FWL	28	14S	09E
Utah 28-191	4300730293	693 FSL, 1623 FWL	28	14S	09E
Utah 28-192	4300730294	1407 FNL, 1940 FWL	28	14S	09E
Utah 29-193	4300730405	693 FNL, 1029 FEL	29	14S	09E
Utah 29-194	4300730427	951 FSL, 370 FEL	29	14S	09E
Utah 30-195	4300730265	1407 FNL, 1940 FWL	30	14S	09E
Utah 30-196	4300730344	1056 FSL, 1984 FWL	30	14S	09E
Kakatsidas 31-197	4300730420	619 FNL, 1361 FEL	31	14S	09E
Utah 31-198	4300730406	1403 FNL, 1540 FWL	31	14S	09E
Utah 31-199	4300730480	1125 FSL, 928 FWL	31	14S	09E
Utah 31-200	4300730385	2118 FSL, 549 FEL	31	14S	09E
Utah 33-201	4300730386	317 FNL, 1815 FEL	33	14S	09E
Utah 33-202	4300730387	1939 FNL, 1593 FWL	33	14S	09E
Utah 33-203	4300730388	1373 FSL, 1140 FWL	33	14S	09E
Utah 33-204	4300730389	2024 FSL, 1525 FEL	33	14S	09E
Utah 05-205	4300730384	1485 FNL, 760 FEL	5	15S	09E
Utah 05-206	4300730390	1300 FNL, 1352 FWL	5	15S	09E
Utah 06-207	4300730391	825 FNL, 928 FEL	6	15S	08E

Utah 01-208	4300730464	1246 FNL, 1831 FEL	1	15S	09E
Utah 01-209	4300730467	2271 FSL, 1251 FEL	1	15S	09E
Utah 34-211	4300730114	1181 FSL, 1005 FWL	34	14S	09E
Utah 03-212	4300730468	1187 FNL, 1761 FEL	3	15S	09E
Utah 03-213	4300730381	1466 FNL, 2041 FWL	3	15S	09E
Utah 03-214	4300730295	813 FSL, 966 FWL	3	15S	09E
Utah 03-215	4300730297	988 FSL, 604 FEL	3	15S	09E
Utah 04-216	4300730382	1610 FNL, 810 FEL	4	15S	09E
Utah 04-217	4300730383	1343 FNL, 1119 FWL	4	15S	09E
Utah 04-218	4300730418	1084 FSL, 509 FEL	4	15S	09E
Utah 10-219	4300730298	805 FNL, 756 FWL	10	15S	09E
Utah 10-220	4300730432	474 FSL, 372 FWL	10	15S	09E
Utah 10-221	4300730303	1602 FSL, 2032 FEL	10	15S	09E
USA 19-222	4300730393	1574 FSL, 1647 FEL	19	15S	10E
Utah 06-223	4300730430	1636 FSL, 1085 FEL	6	15S	09E
Utah 05-225	4300730440	421 FSL, 498 FEL	5	15S	09E
Utah 04-226	4300730408	571 FSL, 2331 FWL	4	15S	09E
Utah 09-227	4300730449	652 FNL, 1331 FEL	9	15S	09E
Utah 09-228	4300730413	1444 FNL, 1520 FWL	9	15S	09E
Utah 09-229	4300730414	1595 FSL, 2051 FWL	9	15S	09E
Utah 08-230	4300730410	2003 FNL, 960 FEL	8	15S	09E
Utah 08-231	4300730411	1321 FNL, 1738 FWL	8	15S	09E
H&A 08-232	4300730412	1135 FSL, 1497 FWL	8	15S	09E
Utah 08-233	4300730488	468 FSL, 2030 FEL	8	15S	09E
Utah 07-234	4300730409	1876 FNL, 875 FEL	7	15S	09E
Utah 07-235	4300730421	2098 FSL, 510 FEL	7	15S	09E
H&A 18-236	4300730459	896 FNL, 1511 FEL	18	15S	09E
Utah 18-237	4300730485	1867 FSL, 1920 FEL	18	15S	09E
Utah 17-238	4300730510	677 FNL, 1321 FEL	17	15S	09E
Utah 17-239	4300730511	1383 FNL, 1576 FWL	17	15S	09E
Utah 17-240	4300730512	1977 FSL, 1394 FWL	17	15S	09E
Utah 17-241	4300730513	1668 FSL, 2222 FEL	17	15S	08E
USA 12-242	4300730482	1738 FNL, 1505 FEL	12	15S	08E
USA 12-243	4300730486	950 FNL, 232 FWL	12	15S	08E
USA 11-244	4300730463	1151 FNL, 1690 FEL	11	15S	08E
USA 11-245	4300730462	1234 FNL, 1743 FWL	11	15S	08E
Utah 01-246	4300730566	1619 FNL, 170 FWL	1	15S	09E
Utah 01-247	4300730465	594 FSL, 266 FWL	1	15S	08E
USA 35-248	4300730582	828 FSL, 1245 FEL	35	15S	09E
USA 30-251	4300730403	1169 FSL, 913 FWL	30	15S	10E
Utah 25-252	4300730400	1937 FNL, 1416 FEL	25	15S	09E
Utah 25-253	4300730401	809 FSL, 899 FWL	25	15S	09E
Utah 25-254	4300730402	1787 FSL, 1954 FEL	25	15S	09E
Utah 26-255	4300730446	1209 FNL, 755 FEL	26	15S	09E
Utah 26-256	4300730445	1274 FSL, 1351 FWL	26	15S	09E
Utah 26-257	4300730444	1263 FSL, 1368 FEL	26	15S	09E
Utah 34-258	4300730552	1198 FNL, 1880 FEL	34	15S	09E
Utah 34-259	4300730456	1662 FSL, 2046 FEL	34	15S	09E
Utah 35-260	4300730447	814 FNL, 1900 FEL	35	15S	09E

Utah 35-261	4300730442	615 FNL, 818 FWL	35	15S	09E
Utah 35-262	4300730443	1657 FSL, 1850 FWL	35	15S	09E
Utah 35-263	4300730441	1785 FSL, 946 FEL	35	15S	09E
USA 01-264	4301530336	1055 FNL, 441 FWL	1	16S	09E
USA 01-265	4301530337	1739 FSL, 636 FWL	1	16S	09E
Woolstenhulme 05-266	4300730481	1389 FNL, 2179 FEL	5	15S	10E
Utah 26-267	4300730514	1836 FNL, 2130 FWL	26	15S	09E
Utah 27-268	4300730457	1125 FSL, 1682 FWL	26	15S	09E
Utah 27-269	4300730458	1661 FSL, 795 FEL	27	15S	09E
Utah 34-270	4300730347	774 FNL, 756 FWL	34	15S	09E
Utah 34-271	4300730496	1693 FSL, 965 FWL	34	15S	09E
Utah 33-272	4300730502	694 FNL, 2034 FEL	33	15S	09E
Utah 33-273	4300730493	1922 FNL, 328 FWL	33	15S	09E
Utah 33-274	4300730494	1098 FSL, 1673 FWL	33	15S	09E
Utah 33-275	4300730495	1401 FSL, 1029 FEL	33	15S	09E
Utah 32-276	4300730483	738 FL, 1318 FWL	32	15S	09E
Utah 32-277	4300730484	1613 FSL, 1931 FEL	32	15S	09E
Utah 05-278	4301530278	1665 FNL, 1923 FEL	5	15S	09E
Utah 04-279	4301530340	1020 FNL, 1757 FEL	4	16S	09E
Utah 04-280	4301530341	2087 FNL, 1627 FWL	4	16S	09E
Utah 04-281	4301530399	999 FSL, 896 FWL	4	16S	09E
Utah 04-282	4301530342	2188 FSL, 911 FEL	4	16S	09E
Utah 03-283	4301530349	461 FNL, 1772 FEL	3	16S	09E
Utah 03-284	4301530346	1218 FNL, 753 FWL	3	16S	09E
Utah 03-285	4301530345	1917 FSL, 546 FWL	3	16S	09E
Utah 03-286	4301530344	1690 FSL, 1958 FEL	3	16S	09E
USA 20-287	4300730448	1395 FNL, 979 FWL	20	15S	10E
USA 20-288	4300730451	1566 FSL, 1125 FWL	20	15S	10E
USA 30-289	4300730452	1184 FNL, 1353 FEL	30	15S	10E
USA 30-290	4300730453	1080 FSL, 1508 FEL	30	14S	10E
USA 11-291	4300730501	2609 FNL, 1994 FEL	11	14S	09E
USA 11-292	4300730500	2483 FNL, 664 FWL	11	14S	09E
USA 10-293	4300730498	2011 FNL, 847 FEL	10	14S	09E
USA 10-294	4300730497	1750 FNL, 769 FWL	10	14S	09E
USA 09-295	4300730499	696 FNL, 1198 FEL	9	14S	09E
Fausett 09-296	4300730455	2072 FNL, 798 FWL	9	14S	09E
USA 08-297	4300730491	789 FNL, 958 FEL	8	14S	09E
Ritzakis 08-298	4300730475	798 FNL, 2018 FWL	8	14S	09E
Ritzakis 08-299	4300730479	2187 FSL, 1885 FWL	8	14S	09E
Ritzakis 08-300	4300730476	2485 FSL, 1522 FEL	8	14S	09E
USA 04-302	4300730489	1076 FSL, 1860 FWL	4	14S	09E
USA 04-303	4300730490	597 FSL, 984 FEL	4	14S	09E
Ritzakis 05-304	4300730473	688 FSL, 1888 FWL	5	14S	09E
Ritzakis 05-305	4300730474	1104 FSL, 1196 FEL	5	14S	09E
USA 06-306	4300730492	399 FSL, 306 FEL	6	14S	09E
Helper 07-307	4300730487	672 FNL, 962 FWL	7	15S	09E
USA 31-310	4300730516	624 FNL, 1238 FWL	31	15S	10E
USA 31-311	4300730517	1934 FSL, 973 FWL	31	15S	10E
USA 01-312	4301530350	1453 FNL, 1881 FEL	1	16S	09E

USA 11-314	4301530353	1262 FNL, 1136 FWL	11	16S	09E
USA 10-317	4301530352	1221 FNL, 1104 FEL	10	16S	09E
USA 12-322	4300730576	492 FSL, 495 FWL	10	15S	08E
USA 12-323	4300730577	540 FSL, 784 FEL	12	15S	08E
USA 11-324	4300730575	732 FSL, 1763 FEL	11	15S	08E
USA 14-325	4300730579	890 FNL, 1469 FEL	14	15S	08E
USA 13-326	4300730581	1065 FNL, 1563 FEL	13	15S	08E
USA 13-327	4300730578	1092 FNL, 941 FWL	13	15S	08E
USA 35-328	4300730583	964 FSL, 1999 FWL	35	14S	08E
Utah 09-329	4300730561	884 FSL, 1324 FEL	9	15S	09E
Utah 06-330	4300730562	938 FNL, 1564 FWL	6	15S	09E
Utah 20-333	4300730669	1069 FNL, 1460 FEL	20	15S	09E
Utah 20-334	4300730625	932 FNL, 1655 FWL	20	15S	09E
Utah 20-335	4300730626	2152 FSL, 1716 FWL	20	15S	09E
Utah 19-337	4300730623	926 FNL, 768 FEL	19	15S	09E
Utah 19-338	4300730624	1789 FSL, 1426 FEL	19	15S	09E
Utah 05-343	4301530400	1795 FNL, 1431 FWL	5	16S	09E
Utah 05-344	4301530401	1316 FSL, 1343 FWL	5	16S	09E
Utah 05-345	4301530402	908 FSL, 1449 FEL	5	16S	09E
Utah 08-354	4301530395	1073 FNL, 1914 FEL	8	16S	09E
Utah 08-355	4301530378	1673 FNL, 850 FWL	8	16S	09E
Utah 08-356	4301530379	1701 FSL, 799 FWL	8	16S	09E
Utah 08-357	4301530380	1722 FSL, 1599 FEL	8	16S	09E
Utah 09-358	4301530300	2097 FNL, 1634 FEL	9	16S	09E
Utah 09-359	4301530407	1787 FNL, 871 FWL	9	16S	09E
Utah 09-360	4301530397	1323 FSL, 881 FWL	9	16S	09E
Utah 09-361	4301530408	1564 FSL, 1998 FEL	9	16S	09E
USA 10-362	4301530424	2225 FNL, 494 FWL	10	16S	09E
USA 14-386	4300730634	592 FNL, 2236 FWL	14	15S	08E
USA 24-387	4300730612	1243 FSL, 2306 FWL	10	14S	08E
USA 24-388	4300730613	1177 FSL, 612 FEL	24	14S	08E
Utah 25-389	4300730600	737 FNL, 1976 FEL	25	14S	08E
Utah 25-390	4300730599	1540 FNL, 1354 FWL	25	14S	08E
Utah 25-391A	4300730658	1264 FSL, 1573 FWL	25	14S	08E
Utah 25-392	4300730602	2045 FSL, 1718 FEL	25	14S	09E
USA 26-393	4300730614	1666 FNL, 874 FEL	26	14S	08E
USA 26-394	4300730615	856 FSL, 2377 FWL	26	14S	08E
USA 26-395	4300730616	1927 FSL, 830 FEL	26	14S	08E
USA 35-396	4300730584	616 FNL, 1896 FEL	35	14S	08E
USA 35-397	4300730585	949 FNL, 1264 FWL	35	14S	08E
USA 20-398	4300730590	1374 FNL, 1387 FEL	20	15S	10E
USA 20-399	4300730591	1445 FSL, 1128 FEL	20	15S	10E
Utah 09-412	4300730580	1102 FSL, 1018 FWL	9	15S	10E
Utah 09-413	4300730605	1007 FNL, 1197 FWL	9	15S	10E
Utah 10-415	4301530391	1090 FNL, 557 FEL	10	16S	08E
USA 14-416	4300730646	892 FSL, 1311 FWL	14	15S	08E
USA 14-417	4300730647	1741 FSL, 1054 FEL	14	15S	09E
USA 13-418	4300730645	737 FSL, 793 FEL	13	15S	08E
USA 13-419	4300730631	2617 FSL, 1958 FEL	13	15S	08E

USA 23-423	4300730611	408 FSL, 924 FEL	23	14S	08E
USA 34-434	4300730621	1342 FSL, 922 FEL	34	14S	08E
USA 18-435	4300730619	1868 FNL, 793 FWL	18	14S	09E
USA 07-436	4300730630	3121 FNL, 871 FEL	7	14S	09E
USA 03-442	4300730710	899 FNL, 553 FEL	3	15S	08E
USA 24-443	4300730651	1780 FNL, 2247 FEL	24	15S	08E
USA 24-444	4300730648	1338 FNL, 1153 FWL	24	15S	08E
USA 24-446	4300730708	1377 FNL, 2340 FWL	24	14S	08E
USA 13-447	4300730707	2044 FSL, 741 FEL	13	14S	08E
USA 24-448	4300730652	2146 FSL, 2021 FEL	24	15S	08E
Utah 34-456	4300730713	755 FNL, 1377 FEL	34	14S	08E
USA 13-470	4300730706	1741 FNL, 554 FEL	13	14S	08E
Utah 06-483	4300730716	2456 FSL, 988 FWL	6	15S	09E
American Quasar D1	4300730040	999 FSL, 1552 FWL	31	14S	10E
Arcadia-Telonis D2	4300730093	465 FSL, 560 FEL	19	14S	09E
Utah D3	4300730290	1600 FSL, 1530 FEL	18	15S	10E
Utah D4	4300730314	600 FNL, 500 FWL	24	14S	09E
Fausett D5	4300730351	467 FNL, 1461 FWL	16	14S	09E
Drew D6	4300730100	1300 FSL, 830 FWL	34	14S	09E
Utah D7	4301530338	1371 FSL, 1530 FEL	2	14S	09E
Utah D8	4300730431	1342 FNL, 350 FWL	12	15S	09E
Utah D9	4300730438	1960 FNL, 1487 FWL	32	14S	09E
RGC D10	4300730520	162 FNL, 1557 FEL	28	15S	09E
USA D11	4301530356	1513 FNL, 2437 FEL	13	16S	09E
Sampinos D14	4300730567	1695 FSL, 2133 FEL	16	15S	10E

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OF COUNSEL:  
ROBERT G PRUITT, III  
BRENT A BOHMAN

January 29, 2001

**HAND DELIVERED**

Mr. Jim Thompson  
Utah Division of Oil, Gas & Mining  
1594 W. North Temple  
Salt Lake City, UT 84116

*Re: River Gas/Phillips Merger*

Dear Mr. Thompson:

As you may know, River Gas Corporation ("RGC") merged into Phillips Petroleum Company ("Phillips") effective December 31, 2000 at 11:59 p.m. I have enclosed a Certificate of Articles of Merger issued by the Utah Department of Commerce and, although duplicative, a sundry notice formally evidencing the merger for your records, and a list of all wells, including injection wells, formerly operated by RGC.

Please change the Division's records to reflect the change in operator of these wells from RGC to Phillips. All operational questions should be directed to Phillips at the following address:

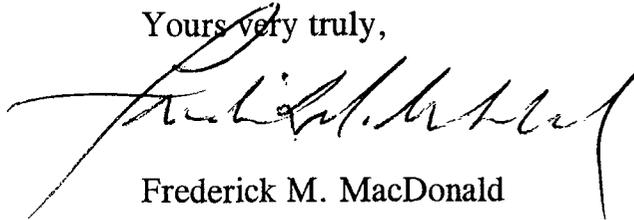
Phillips Petroleum Company  
Attn: Billy Stacy, Operations Manager  
P.O. Box 3368  
Englewood, CO 80155-3368  
Telephone No.: (720) 344-4984

Phillips currently has a bond on file with the Division (a copy of which is enclosed for your reference), but I understand an \$80,000 Letter of Credit is in the process of being substituted.

Mr. Jim Thompson  
January 29, 2001  
Page 2

On behalf of Phillips, I thank you for your cooperation. Should you have any further questions or concerns, please do not hesitate to contact me.

Yours very truly,

A handwritten signature in cursive script, appearing to read "Frederick M. MacDonald". The signature is written in black ink and is positioned above the printed name.

Frederick M. MacDonald

FMM:cs  
2078.16  
Enclosures  
cc: W. H. Rainbolt  
Billy Stacy



Utah Department of Commerce  
Division of Corporations & Commercial Code  
160 East 300 South, 2nd Floor, Box 146705  
Salt Lake City, UT 84114-6705  
Phone: (801) 530-4849  
Toll Free: (877) 526-3994 Utah Residents  
Fax: (801) 530-6438  
Web site: <http://www.commerce.state.ut.us>

Registration Number: 562960-0143  
Business Name: PHILLIPS PETROLEUM COMPANY  
Registered Date: JUNE 14, 1946

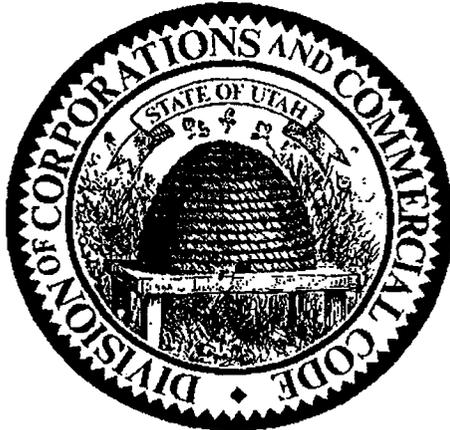
01/12/01

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## CERTIFICATE OF ARTICLES OF MERGER

THE UTAH DIVISION OF CORPORATIONS AND COMMERCIAL CODE ("DIVISION") HEREBY CERTIFIES THAT

ARTICLES OF MERGER WERE FILED WITH THIS OFFICE ON DECEMBER 12, 2000 MERGING RIVER GAS CORPORATION, A CORPORATION OF THE STATE OF ALABAMA, INTO PHILLIPS PETROLEUM COMPANY, THE SURVIVING CORPORATION WHICH IS OF THE STATE OF DELAWARE, AS APPEARS OF RECORD IN THE OFFICE OF THE DIVISION.



*Ric Campbell*

Ric Campbell  
Acting Division Director of  
Corporations and Commercial Code

---

Dept. of Professional Licensing  
(801)530-6628

Real Estate  
(801)530-6747

Public Utilities  
(801)530-6651

Securities  
(801)530-6600

Consumer Protection  
(801)530-6601

GRV 0017119

Office of the Secretary of State

TS

12/13/2000  
Receipt Number: 188532  
Amount Paid: \$145.00

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF OWNERSHIP, WHICH MERGES:

"RIVER GAS CORPORATION", A ALABAMA CORPORATION, WITH AND INTO "PHILLIPS PETROLEUM COMPANY" UNDER THE NAME OF "PHILLIPS PETROLEUM COMPANY", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE SIXTH DAY OF DECEMBER, A.D. 2000, AT 10 O'CLOCK A.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF OWNERSHIP IS THE THIRTY-FIRST DAY OF DECEMBER, A.D. 2000, AT 11:59 O'CLOCK A.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.

12-12-00P04:02 RCVD

TAP  
FILED  
DEC 12 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 12 day of Dec 20 2000 in the office of this Division and hereby issue this Certificate thereof.

Examiner

Date 12/13/00



RIC CAMPBELL  
ACTING DIRECTOR



Edward J. Freel

Edward J. Freel, Secretary of State  
AUTHENTICATION: 0837738

0064324 8100M

001609453

DATE: 12-07-00

**CERTIFICATE OF OWNERSHIP AND MERGER**

**OF**

**RIVER GAS CORPORATION**

**(an Alabama corporation)**

**into**

**Phillips Petroleum Company**

**(a Delaware corporation)**

It is hereby certified that:

1. Phillips Petroleum Company [hereinafter sometimes referred to as the "Corporation"] is a business corporation of the State of Delaware.

2. The Corporation is the owner of all of the outstanding shares of each class of stock of River Gas Corporation, which is a business corporation of the State of Alabama.

3. The laws of the jurisdiction of organization of River Gas Corporation permit the merger of a business corporation of that jurisdiction with a business corporation of another jurisdiction.

4. The Corporation hereby merges River Gas Corporation into the Corporation.

5. The following is a copy of the resolutions adopted on November 21, 2000 by the Board of Directors of the Corporation to merge the said River Gas Corporation into the Corporation:

"1. Phillips Petroleum Company, which is a business corporation of the State of Delaware and is the owner of all of the outstanding shares of River Gas Corporation, which is a business corporation of the State of Alabama, hereby merges River Gas Corporation into Phillips Petroleum Company pursuant to the provisions of the Alabama Business Corporation Act and pursuant to the

12-12-00P04:02 RCVD

provisions of Section 253 of the General Corporation Law of Delaware.

"2. The separate existence of River Gas Corporation shall cease at the effective time and date of the merger pursuant to the provisions of the Alabama Business Corporation Act; and Phillips Petroleum Company shall continue its existence as the surviving corporation pursuant to the provisions of Section 253 of the General Corporation Law of Delaware.

"3. The Articles of Incorporation of Phillips Petroleum Company are not amended in any respect by this Plan of Merger.

"4. The issued shares of River Gas Corporation shall not be converted or exchanged in any manner, but each said share which is issued immediately prior to the effective time and date of the merger shall be surrendered and extinguished.

"5. Each share of Phillips Petroleum Company outstanding immediately prior to the effective time and date of the merger is to be an identical outstanding share of Phillips Petroleum Company at the effective time and date of the merger.

"6. No shares of Phillips Petroleum Company and no shares, securities, or obligations convertible into such shares are to be issued or delivered under this Plan of Merger.

"7. The Board of Directors and the proper officers of Phillips Petroleum Company are hereby authorized, empowered, and directed to do any and all acts and things, and to make, execute, deliver, file, and/or record any and all instruments, papers, and documents which shall be or become necessary, proper, or convenient to carry out or put into effect any of the provisions of this Plan of Merger or of the merger herein provided for. "

" This Company approves that the effective time and date of the merger herein provided for in the State of Alabama shall be 11:59 p.m. on December 31, 2000."

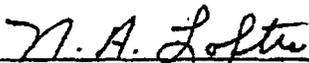
"Any Vice President, the Treasurer, any Assistant Treasurer, the Secretary, any Assistant Secretary, and each of them severally, be and hereby is authorized to make, execute,

deliver, file, and/or record any and all instruments, papers, and documents which shall be or become necessary, proper, or convenient to carry out or put into effect any of the provisions of these resolutions and to do or cause to be done all such acts as are necessary to give effect to the purpose and intent of the approval herein set forth."

6. This Certificate of Ownership and Merger shall be effective at 11:59 p.m. on December 31, 2000.

Executed on November 27, 2000

Phillips Petroleum Company

  
\_\_\_\_\_  
N. A. Loftis, Assistant Secretary 



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:  
3106  
UTU-47157 et al  
(UT-932)

JAN 30 2001

NOTICE

Phillips Petroleum Company : Oil and Gas  
Attn: W. H. Rainbolt, Rocky Mtn. Region-Land :  
Box 1967 :  
Houston, TX 77251-1967 :

Merger Recognized

Acceptable evidence has been filed in this office concerning the merger of River Gas Corporation into Phillips Petroleum Company with Phillips Petroleum Company being the surviving entity.

The oil and gas lease files and rights-of-way files identified on the enclosed exhibit have been noted as to the merger. The exhibit is the list supplied by the representative of the companies, and verified by our computerized records. We have not adjudicated the case files to determine if the entity affected by the merger 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 interest. We are notifying the Minerals Management Service and all applicable BLM offices of the merger by a copy of this notice. If additional documentation for a change of operator is required by our Field Offices, you will be contacted by them.

By recognition of the merger the obligor is automatically changed by operation of law from River Gas Corporation to Phillips Petroleum Company on Letter of Credit No. P-207337 (BLM Bond No. UT0829). A rider to BLM Bond No. ES0048 assuming any and all liabilities of BLM Bond No. UT0829 must be submitted for approval to the Eastern States Office, Attn: Bill Forbes, 7450 Boston Boulevard, Springfield, VA 22153. After the rider is approved, the Letter of Credit will be returned to the financial institution that issued it.

**ROBERT LOPEZ**

Robert Lopez  
Chief, Branch of  
Minerals Adjudication

Enclosure  
Exhibit of Leases

RECEIVED

JAN 2 2001

DIVISION OF  
OIL, GAS AND MINING

cc: Moab Field Office  
Vernal Field Office  
Price Field Office  
MMS—Reference Data Branch, MS 3130, P.O. Box 5860, Denver, CO 80217  
State of Utah, DOGM, Attn: Jim Thompson (Ste. 1210), Box 145801, SLC, UT 84114  
The Chase Manhattan Bank, Attn: Standby Letter of Credit Dept., 4 Chase Metrotech Center, 8<sup>th</sup> Floor  
Brooklyn, NY 11245  
Teresa Thompson (UT-931)  
LaVerne Steah (UT-942)  
Pruitt, Gushee & Bachtell, Attn: Frederick M. MacDonald, Suite 1850 Beneficial Life Tower,  
Salt Lake City, Utah 84111-1495  
BLM, Eastern States Office (Attn: Bill Forbes)

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH		4-KAS
2. CDW		5-SJ
3. JLT		6-FILE

Enter date after each listed item is completed

Change of Operator (Well Sold)

Designation of Agent

Operator Name Change (Only)

**X Merger**

The operator of the well(s) listed below has changed, effective: **12-31-2000**

<b>FROM:</b> (Old Operator):
RIVER GAS CORPORATION
Address: 6825 S. 5300 W. P. O. BOX 851
PRICE, UT 84501
Phone: 1-(435)-613-9777
Account N1605

<b>TO:</b> ( New Operator):
PHILLIPS PETROLEUM COMPANY
Address: P. O. BOX 3368
ENGLEWOOD, CO 80155-3368
Phone: 1-(720)-344-4984
Account N1475

**CA No.**

**Unit: DRUNKARDS WASH**

**WELL(S)**

NAME	API NO.	ENTITY NO.	SEC. TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
PINNACLE PEAK 19-171	43-007-30117	11256	19-14S-09E	FEE	GW	P
BIRKINSHAW 19-108	43-007-30284	11256	19-14S-09E	FEE	GW	P
TELONIS 19-150	43-007-30300	11256	19-14S-09E	FEE	GW	P
TELONIS 19-151	43-007-30299	11256	19-14S-09E	FEE	GW	P
TELONIS 20-152	43-007-30327	11256	20-14S-09E	FEE	GW	P
TELONIS 21-90	43-007-30328	11256	21-14S-09E	FEE	GW	P
TELONIS 21-153	43-007-30329	11256	21-14S-09E	FEE	GW	P
TELONIS 22-89	43-007-30266	11256	22-14S-09E	FEE	GW	P
TELONIS 29-154	43-007-30330	11256	29-14S-09E	FEE	GW	P
TELONIS 29-155	43-007-30331	11256	29-14S-09E	FEE	GW	P
TELONIS 30-156	43-007-30301	11256	30-14S-09E	FEE	GW	P
TELONIS 30-157	43-007-30332	11256	30-14S-09E	FEE	GW	P
WILLIAMS 30-78	43-007-30279	11256	30-14S-10E	FEE	GW	P
ROBERTSON 32-127	43-007-30374	11256	32-14S-10E	FEE	GW	P
HELPER & ASSOCIATES 7-84	43-007-30258	11256	07-15S-09E	FEE	GW	P
HELPER & ASSOCIATES 07-307	<b>43-007-30487</b>	11256	<b>07-15S-09E</b>	<b>FEE</b>	GW	P
HELPER & ASSOCIATES 08-232	43-007-30412	11256	08-15S-09E	FEE	GW	P
HELPER & ASSOCIATES 18-236	43-007-30459	11256	18-15S-09E	FEE	GW	P
WOOLSTENHULME 05-266	43-007-30481	11256	05-15S-10E	FEE	GW	P
JENSEN 16-132	43-007-30588	11256	16-15S-10E	FEE	GW	P

**OPERATOR CHANGES DOCUMENTATION**

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 01/29/2001
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 01/29/2001
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 02/15/2001

4. Is the new operator registered in the State of Utah: YES Business Number: 562960-0143
5. If **NO**, the operator was contacted on: \_\_\_\_\_
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on: 01/30/2001
7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
8. **Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator change for all wells listed involved in a CA on: N/A
9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: \_\_\_\_\_

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 03/05/2001
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 03/05/2001
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

**STATE BOND VERIFICATION:**

1. State well(s) covered by Bond No.: N/A

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

1. (R649-3-1) The **NEW** operator of any fee well(s) listed has furnished a bond: P-207328
2. The **FORMER** operator has requested a release of liability from their bond on: N/A  
The Division sent response by letter on: N/A
3. (R649-2-10) The **FORMER** operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 05/08/2001

**FILMING:**

1. All attachments to this form have been **MICROFILMED** on: 3-23-01

**FILING:**

1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filled in each well file on: \_\_\_\_\_

**COMMENTS:**

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



Phillips Petroleum Company  
Divisions of Oil, Gas, and Mining  
Attn: Mr. John Baza  
1594 West North Temple,  
Suite 1210, P. O. Box 145801  
Salt Lake City, UT 84114-5801

Re: Notice of Address Change, Merger and Name Change  
Address Change effective **December 2, 2002**  
Merger and Name Change effective **December 31, 2002**

Gentlemen:

1. Effective December 2, 2002, Phillips Petroleum Company will close its Englewood, Colorado Rocky Mountain Region office. After that time, all correspondence, notices and invoice for Land related matters should be directed to the address(es) noted below. Note that until December 31, 2002, all properties in which Phillips held an interest will continue to be operated by Phillips Petroleum Company, a wholly-owned subsidiary of ConocoPhillips.

2. On December 31, 2002, Phillips Petroleum Company and Conoco Inc. will merge, and the surviving corporation will be renamed "ConocoPhillips Company".

In accordance with the notice provisions of the Operating Agreements and other agreements, if any, between our companies, please adjust your company/organization records, effective for address purposes as of December 2, 2002, and for company name purposes, as of January 1, 2003, to reflect the following information for addressing and delivery of notices, invoicing and payment, and communications with ConocoPhillips Company. This will also apply to Lease Sale notices and other lease-related correspondence and notifications.

**U.S. Mail Address:**

ConocoPhillips Company  
P.O. Box 2197  
Houston, Texas 77252  
Attn: Chief Landman,  
San Juan/Rockies

**Physical Address & Overnight Delivery:**

ConocoPhillips Company  
550 Westlake Park Blvd.  
Three Westlake Park  
3WL, Room WL 9000  
Houston, Texas 77079  
Attn: Chief Landman,  
San Juan/Rockies

**All ballots and official notices/responses sent by facsimile transmission should be sent to the following contact:**

**Attn: Chief Landman,  
San Juan/Rockies**

**Fax No.: 832-486-2688 or  
832-486-2687**

Please contact the undersigned immediately if you have any questions. This notice does not apply to royalty inquiries, joint interest billings, or revenue remittances. Please continue to use the same addresses you are currently using for these matters

Sincerely,

**RECEIVED**

DEC 02 2002

DIVISION OF  
OIL, GAS AND MINING

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

		5. LEASE DESIGNATION AND SERIAL NUMBER:
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>All</u>		8. WELL NAME and NUMBER: <b>See Attached List</b>
2. NAME OF OPERATOR: <b>Phillips Petroleum Company</b>		9. API NUMBER: <b>See List</b>
3. ADDRESS OF OPERATOR: <b>980 Plaza Office</b> CITY <b>Bartlesville</b> STATE <b>OK</b> ZIP <b>74004</b>		10. FIELD AND POOL, OR WILDCAT:
PHONE NUMBER: <b>(918) 661-4415</b>		
4. LOCATION OF WELL		
FOOTAGES AT SURFACE: <b>See Attached List</b>		COUNTY:
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		STATE: <b>UTAH</b>

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

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

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

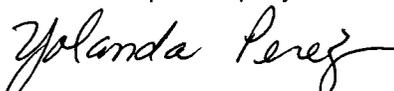
Conoco Inc. was merged into Phillips Petroleum Company, the surviving corporation, on December 31, 2002. In connection with this merger and effective on the same date, the name of the surviving corporation was changed to "ConocoPhillips Company". We are requesting that a new Operator Number be assigned to ConocoPhillips Company.

Please send production reporting forms to Herb Henderson at ConocoPhillips Company, 315 S. Johnstone, 980 Plaza Office, Bartlesville, OK 74004. Herb's phone number is 918-661-4415.

Current Operator  
Phillips Petroleum Company

  
Steve de Albuquerque

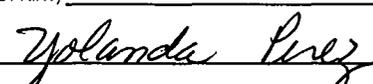
New Operator  
ConocoPhillips Company

  
Yolanda Perez

**RECEIVED**

**JAN 08 2003**

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) <u>Yolanda Perez</u>	TITLE <u>Sr. Regulatory Analyst</u>
SIGNATURE 	DATE <u>12/30/2002</u>

(This space for State use only)



## SECRETARY'S CERTIFICATE

I, the undersigned, Jennifer M. Garcia, Assistant Secretary of ConocoPhillips Company, formerly Phillips Petroleum Company, organized and existing under and by virtue of the laws of the State of Delaware (the "Corporation"), hereby certify that:

1. As Assistant Secretary I am authorized to execute this certificate on behalf of the Corporation.
2. The attached photocopy of the Certificate of Amendment to the Restated Certificate of Incorporation of Phillips Petroleum Company (to be renamed ConocoPhillips Company) is a true and correct copy as filed in the office of the Secretary of State of Delaware on the 12<sup>th</sup> day of December 2002, with an effective date of January 1, 2003 and such Certificate of Amendment has not been modified, amended, rescinded or revoked and is in full force and effect as of the date hereof.
3. The attached photocopy of the Certificate of Merger of Conoco Inc. with and into ConocoPhillips Company is a true and correct copy as filed in the office of the Secretary of State of Delaware on the 12<sup>th</sup> day of December 2002, with an effective date of December 31, 2002 and such Certificate of Merger has not been modified, amended, rescinded or revoked and is in full force and effect as of the date hereof.

IN WITNESS WHEREOF, I have hereunto set my hand as Assistant Secretary and affixed the corporate seal of the Corporation this 7th day of January 2003.

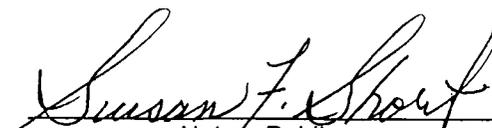
  
 Assistant Secretary  
 ConocoPhillips Company

STATE OF TEXAS           §  
                                      §  
 COUNTY OF HARRIS       §

This instrument was acknowledged before me on January 7, 2003, by Jennifer M. Garcia, Assistant Secretary of ConocoPhillips Company, a Delaware corporation, on behalf of said Corporation.



RECEIVED  
 JAN 08 2003

  
 Notary Public

# Delaware

PAGE 1

*The First State*

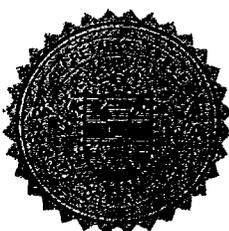
I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "PHILLIPS PETROLEUM COMPANY", CHANGING ITS NAME FROM "PHILLIPS PETROLEUM COMPANY" TO "CONOCOPHILLIPS COMPANY", FILED IN THIS OFFICE ON THE TWELFTH DAY OF DECEMBER, A.D. 2002, AT 1:41 O'CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF AMENDMENT IS THE THIRTY-FIRST DAY OF DECEMBER, A.D. 2002, AT 11 O'CLOCK P.M.

RECEIVED

JAN 08 2003

DIV. OF OIL, GAS & MINING



0064324 8100

030002793

*Harriet Smith Windsor*  
Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 2183360

DATE: 01-02-03

**CERTIFICATE OF AMENDMENT**

to the

**RESTATED CERTIFICATE OF INCORPORATION**

of

**PHILLIPS PETROLEUM COMPANY  
(to be renamed ConocoPhillips Company)**

Phillips Petroleum Company ("Phillips"), a corporation organized and existing under the General Corporation Law of the State of Delaware (the "DGCL"), hereby certifies that:

1. The amendments to Phillips' Restated Certificate of Incorporation set forth below were duly adopted in accordance with the provisions of Section 242 of the DGCL and have been consented to in writing by the sole stockholder of Phillips in accordance with Section 228 of the DGCL.

2. Phillips' Restated Certificate of Incorporation is hereby amended by deleting Article I thereof and replacing in lieu thereof a new Article I reading in its entirety as follows:

"The name of the corporation (which is hereinafter referred to as the "Corporation") is ConocoPhillips Company."

3. Phillips' Restated Certificate of Incorporation is hereby amended by deleting Section 1 of Article IV thereof and replacing in lieu thereof a new Section 1 reading in its entirety as follows:

"Section 1. The Corporation shall be authorized to issue 2,100 shares of capital stock, of which 2,100 shares shall be shares of Common Stock, \$.01 par value ("Common Stock")."

4. Pursuant to Section 103(d) of the DGCL, this amendment will become effective at 11:00 p.m., Eastern time, on December 31, 2002.

**RECEIVED**

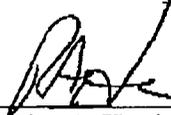
**JAN 08 2003**

DIV. OF OIL, GAS & MINING

IN WITNESS WHEREOF, Phillips has caused this certificate to be executed this 12th day of December, 2002.

PHILLIPS PETROLEUM COMPANY

WJ

By:   
Name: Rick A. Harrington  
Title: Senior Vice President, Legal,  
and General Counsel

RECEIVED  
JAN 08 2003  
DIV. OF OIL, GAS & MINING

# Delaware

PAGE 1

*The First State*

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"CONOCO INC.", A DELAWARE CORPORATION,

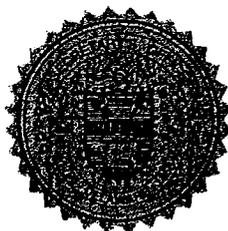
WITH AND INTO "CONOCOPHILLIPS COMPANY" UNDER THE NAME OF "CONOCOPHILLIPS COMPANY", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWELFTH DAY OF DECEMBER, A.D. 2002, AT 1:44 O'CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF MERGER IS THE THIRTY-FIRST DAY OF DECEMBER, A.D. 2002, AT 11:59 O'CLOCK P.M.

RECEIVED

JAN 08 2003

DIV. OF OIL, GAS & MINING



*Harriet Smith Windsor*

Harriet Smith Windsor, Secretary of State

0064324 8100M

AUTHENTICATION: 2183370

030002793

DATE: 01-02-03

**CERTIFICATE OF MERGER**

of

**Conoco Inc.**  
**(a Delaware corporation)**

with and into

**ConocoPhillips Company**  
**(a Delaware corporation)**

Phillips Petroleum Company, a Delaware corporation to be renamed ConocoPhillips Company prior to the effective time of this certificate of merger (the "Surviving Corporation"), in compliance with the requirements of the General Corporation Law of the State of Delaware (the "DGCL") and desiring to effect a merger of Conoco Inc., a Delaware corporation formerly incorporated under the name Du Pont Holdings, Inc. (the "Merging Corporation," and together with the Surviving Corporation, the "Constituent Corporations"), with and into the Surviving Corporation, and acting by its duly authorized officer, DOES HEREBY CERTIFY that:

**First:** As of the date hereof, the name and state of incorporation of each of the Constituent Corporations of the merger are as follows:

<u>NAME</u>	<u>STATE OF INCORPORATION</u>
PHILLIPS PETROLEUM COMPANY	Delaware
CONOCO INC.	Delaware

**Second:** An agreement and plan of merger has been approved, adopted, certified, executed and acknowledged by each of the Constituent Corporations in accordance with the requirements of Section 251 of the DGCL;

**Third:** The name of the Surviving Corporation will be ConocoPhillips Company;

**Fourth:** The Certificate of Incorporation of ConocoPhillips Company immediately prior to the merger shall be the Certificate of Incorporation of the Surviving Corporation until such time as it may be amended in accordance with applicable law and the provisions thereof;

**Fifth:** The executed agreement and plan of merger is on file at an office of the Surviving Corporation, the address of which is 600 North Dairy Ashford, Houston, Texas 77079;

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**Sixth:** A copy of the agreement and plan of merger will be furnished by the Surviving Corporation, on request and without cost, to any stockholder of any Constituent Corporation; and

**Seventh:** Pursuant to Section 103(d) of the DGCL, this certificate of merger will become effective at 11:59 p.m., Eastern time, on December 31, 2002.

Dated: December 12, 2002

**PHILLIPS PETROLEUM COMPANY**  
(a Delaware corporation)

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By:   
Name: Rick A. Harrington  
Title: Senior Vice President, Legal,  
and General Counsel

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JAN 08 2003  
DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DEPARTMENT OF COMMERCE  
REGISTRATION

CONOCOPHILLIPS COMPANY

EFFECTIVE  
06/14/1946

EXPIRATION  
\*RENEWAL

REFERENCE NUMBER(S), CLASSIFICATION(S) & DETAIL(S)

Corporation - Foreign - Profit  
562960-0143

UNITED STATES CORP CO  
CONOCOPHILLIPS COMPANY  
GATEWAY TOWER EAST STE 900  
10 EAST SOUTH TEMPLE  
SLC UT 84133

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JAN 08 2003

DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DEPARTMENT OF COMMERCE  
DIVISION OF CORPORATIONS & COMMERCIAL CODE  
REGISTRATION

EFFECTIVE DATE: 06/14/1946  
EXPIRATION DATE: \*RENEWAL  
ISSUED TO: CONOCOPHILLIPS COMPANY



REFERENCE NUMBER(S), CLASSIFICATION(S) & DETAIL(S)

562960-0143 Corporation - Foreign - Profit

\*RENEWAL

You will need to renew your registration each anniversary date of the effective date.  
Exceptions: DBAs and Business Trusts renew every three (3) years from the effective date.

## Utah Well List as of 12/26/02

API Well Number	Well Name	Well Type	Well Status	Sec	Twpn	Twpd	Rngn	Rngd
43-007-30887-00-00	ANDREEN 32-529	Gas Well	APD	32	14	S	10	E
43-007-30865-00-00	COTNER 29-549	Gas Well	APD	29	14	S	10	E
43-007-30837-00-00	DALLIN 32-615	Gas Well	APD	32	13	S	9	E
43-047-34551-00-00	FED 43-24-3 #1	Gas Well	APD	24	10	S	17	E
43-047-33982-00-00	FEDERAL 12-17 #1	Gas Well	APD	17	10	S	18	E
43-047-34471-00-00	FEDERAL 12-29-7 1	Gas Well	APD	29	9	S	19	E
43-047-34472-00-00	FEDERAL 31-31-6 1	Gas Well	APD	31	9	S	19	E
43-007-30864-00-00	MCKENDRICK 29-548	Gas Well	APD	29	14	S	10	E
43-015-30512-00-00	PPCO 19-379	Gas Well	APD	19	16	S	9	E
43-015-30515-00-00	PPCO 24-562	Gas Well	APD	24	16	S	8	E
43-015-30548-00-00	PPCO 30-605	Gas Well	APD	30	16	S	9	E
43-007-30888-00-00	PRICE 32-438	Gas Well	APD	32	14	S	10	E
43-007-30813-00-00	RITZAKIS 33-514	Gas Well	APD	33	13	S	9	E
43-007-30766-00-00	RITZAKIS 33-516	Gas Well	APD	33	13	S	9	E
43-007-30838-00-00	ROWLEY 32-616	Gas Well	APD	32	13	S	9	E
43-007-30863-00-00	SCHMIDT 29-531	Gas Well	APD	29	14	S	10	E
43-007-30797-00-00	SEELY 15-498	Gas Well	APD	15	14	S	8	E
43-007-30798-00-00	SEELY 15-499	Gas Well	APD	15	14	S	8	E
43-007-30799-00-00	SEELY 15-500	Gas Well	APD	15	14	S	8	E
43-007-30796-00-00	SEELY 22-492	Gas Well	APD	22	14	S	8	E
43-007-30801-00-00	SEELY 22-502	Gas Well	APD	22	14	S	8	E
43-007-30802-00-00	SEELY 22-503	Gas Well	APD	22	14	S	8	E
43-007-30711-00-00	USA 09-452	Gas Well	APD	9	15	S	8	E
43-015-30351-00-00	USA 11-313	Gas Well	APD	11	16	S	9	E
43-015-30398-00-00	USA 12-385	Gas Well	APD	12	16	S	9	E
43-015-30409-00-00	USA 12-426	Gas Well	APD	12	16	S	9	E
43-007-30805-00-00	USA 14-490	Gas Well	APD	14	14	S	8	E
43-007-30806-00-00	USA 14-491	Gas Well	APD	14	14	S	8	E
43-007-30676-00-00	USA 15-421	Gas Well	APD	15	15	S	8	E
43-015-30417-00-00	USA 21-427	Gas Well	APD	21	16	S	9	E
43-015-30416-00-00	USA 21-428	Gas Well	APD	21	16	S	9	E
43-015-30415-00-00	USA 21-429	Gas Well	APD	21	16	S	9	E
43-007-30515-00-00	USA 31-309	Gas Well	APD	31	15	S	10	E
43-007-30835-00-00	USA 33-515	Gas Well	APD	33	13	S	9	E
43-007-30836-00-00	USA 33-624	Gas Well	APD	33	13	S	9	E
43-007-30803-00-00	USA 34-518	Gas Well	APD	34	14	S	8	E
43-007-30478-00-00	UTAH 05-224	Gas Well	APD	5	15	S	9	E
43-015-30411-00-00	UTAH 16-365	Gas Well	APD	16	16	S	9	E
43-015-30412-00-00	UTAH 16-366	Gas Well	APD	16	16	S	9	E
43-015-30413-00-00	UTAH 16-430	Gas Well	APD	16	16	S	9	E
43-015-30299-00-00	UTAH 18-374	Gas Well	APD	18	16	S	9	E
43-015-30420-00-00	UTAH 19-377	Gas Well	APD	19	16	S	9	E
43-015-30492-00-00	UTAH 19-378	Gas Well	APD	19	16	S	9	E
43-007-30891-00-00	UTAH 19-533	Gas Well	APD	19	14	S	10	E
43-015-30414-00-00	UTAH 20-381	Gas Well	APD	20	16	S	9	E
43-015-30421-00-00	UTAH 20-382	Gas Well	APD	20	16	S	9	E
43-015-30518-00-00	UTAH 25-576	Gas Well	APD	25	16	S	8	E
43-015-30539-00-00	UTAH 25-578	Gas Well	APD	25	16	S	8	E
43-015-30540-00-00	UTAH 25-579	Gas Well	APD	25	16	S	8	E
43-007-30817-00-00	UTAH 25-618	Gas Well	APD	25	13	S	9	E
43-015-30543-00-00	UTAH 26-582	Gas Well	APD	26	16	S	8	E
43-015-30547-00-00	UTAH 29-608	Gas Well	APD	29	16	S	9	E
43-007-30889-00-00	UTAH 32-128	Gas Well	APD	32	14	S	10	E
43-007-30814-00-00	UTAH 35-506	Gas Well	APD	35	13	S	9	E

## Utah Well List as of 12/26/02

API Well Number	Well Name	Well Type	Well Status	Sec	Twprn	Twprd	Rngn	Rngd
43-047-33750-00-00	FEDERAL 34-29	Gas Well	P	29	9	S	19	E
43-007-30782-00-00	GAROFOLA 26-482	Gas Well	P	26	15	S	8	E
43-007-30335-00-00	GIACOLETTO 11-113	Gas Well	P	11	14	S	9	E
43-007-30407-00-00	GIACOLETTO 13-120	Gas Well	P	13	14	S	9	E
43-007-30345-00-00	GIACOLETTO 14-121	Gas Well	P	14	14	S	9	E
43-007-30487-00-00	HELPER & ASSOC 07-307	Gas Well	P	7	15	S	9	E
43-007-30459-00-00	HELPER & ASSOC 18-236	Gas Well	P	18	15	S	9	E
43-007-30720-00-00	HELPER & ASSOC 18-308	Gas Well	P	18	15	S	9	E
43-007-30412-00-00	HELPER & ASSOC 8-232	Gas Well	P	8	15	S	9	E
43-007-30258-00-00	HELPER & ASSOCIATES 7-84	Gas Well	P	7	15	S	9	E
43-007-30588-00-00	JENSEN 16-132	Gas Well	P	16	15	S	10	E
43-007-30420-00-00	KAKATSIDES 31-197	Gas Well	P	31	14	S	9	E
43-007-30296-00-00	LDS 17-133	Gas Well	P	17	15	S	10	E
43-007-30323-00-00	PAAR 16-146	Gas Well	P	16	14	S	9	E
43-047-34286-00-00	PETES WASH 23-12 #1	Gas Well	P	12	10	S	17	E
43-007-30748-00-00	PIERUCCI 25-461	Gas Well	P	25	15	S	8	E
43-007-30749-00-00	PIERUCCI 25-462	Gas Well	P	25	15	S	8	E
43-007-30754-00-00	PIERUCCI 26-463	Gas Well	P	26	15	S	8	E
43-007-30755-00-00	PIERUCCI 26-464	Gas Well	P	26	15	S	8	E
43-007-30745-00-00	PIERUCCI 26-481	Gas Well	P	26	15	S	8	E
43-007-30117-00-00	PINNACLE PEAK 19-171	Gas Well	P	19	14	S	9	E
43-007-30845-00-00	PMC 10-526	Gas Well	P	10	15	S	8	E
43-007-30282-00-00	POWELL 19-104	Gas Well	P	19	15	S	10	E
43-007-30283-00-00	POWELL 19-105	Gas Well	P	19	15	S	10	E
43-007-30346-00-00	POWELL 30-173	Gas Well	P	30	15	S	10	E
43-015-30279-00-00	PPCO 10-557	Gas Well	P	10	16	S	8	E
43-015-30494-00-00	PPCO 15-555	Gas Well	P	15	16	S	8	E
43-007-30211-00-00	PRETTYMAN 10-15-34	Gas Well	P	10	14	S	9	E
43-007-30340-00-00	PRETTYMAN 11-114	Gas Well	P	11	14	S	9	E
43-007-30653-00-00	RGC 21-331	Gas Well	P	21	15	S	9	E
43-007-30743-00-00	RGC 21-332	Gas Well	P	21	15	S	9	E
43-007-30747-00-00	RGC 25-460	Gas Well	P	25	15	S	8	E
43-007-30559-00-00	RGC 28-318	Gas Well	P	28	15	S	9	E
43-007-30518-00-00	RGC 28-319	Gas Well	P	28	15	S	9	E
43-007-30509-00-00	RITZAKIS 03-408	Gas Well	P	3	14	S	9	E
43-007-30473-00-00	RITZAKIS 5-304	Gas Well	P	5	14	S	9	E
43-007-30474-00-00	RITZAKIS 5-305	Gas Well	P	5	14	S	9	E
43-007-30475-00-00	RITZAKIS 8-298	Gas Well	P	8	14	S	9	E
43-007-30479-00-00	RITZAKIS 8-299	Gas Well	P	8	14	S	9	E
43-007-30476-00-00	RITZAKIS 8-300	Gas Well	P	8	14	S	9	E
43-007-30374-00-00	ROBERTSON 32-127	Gas Well	P	32	14	S	10	E
43-007-30610-00-00	SAMPINOS 16-131	Gas Well	P	16	15	S	10	E
43-007-30723-00-00	SAMPINOS 16-454	Gas Well	P	16	15	S	10	E
43-007-30765-00-00	SAMPINOS 16-521	Gas Well	P	16	15	S	10	E
43-007-30800-00-00	SEELY 22-501	Gas Well	P	22	14	S	8	E
43-007-30130-00-00	ST OF UT 25-9-1	Gas Well	P	25	14	S	9	E
43-007-30142-00-00	ST OF UT 36-3-4	Gas Well	P	36	14	S	9	E
43-007-30116-00-00	STELLA-HAMAKER 10-174	Gas Well	P	10	15	S	8	E
43-007-30746-00-00	TABOR 23-468	Gas Well	P	23	15	S	8	E
43-007-30319-00-00	TELONIS 15-142	Gas Well	P	15	14	S	9	E
43-007-30322-00-00	TELONIS 16-145	Gas Well	P	16	14	S	9	E
43-007-30300-00-00	TELONIS 19-150	Gas Well	P	19	14	S	9	E
43-007-30299-00-00	TELONIS 19-151	Gas Well	P	19	14	S	9	E
43-007-30327-00-00	TELONIS 20-152	Gas Well	P	20	14	S	9	E

## Utah Well List as of 12/26/02

API Well Number	Well Name	Well Type	Well Status	Sec	Twpn	Twpd	Rngn	Rngd
43-007-30631-00-00	USA 13-419	Gas Well	P	13	15	S	8	E
43-007-30707-00-00	USA 13-447	Gas Well	P	13	14	S	8	E
43-007-30706-00-00	USA 13-470	Gas Well	P	13	14	S	8	E
43-007-30789-00-00	USA 13-474	Gas Well	P	13	14	S	8	E
43-007-30790-00-00	USA 13-475	Gas Well	P	13	14	S	8	E
43-007-30568-00-00	USA 13-91	Gas Well	P	13	14	S	9	E
43-007-30404-00-00	USA 14-122	Gas Well	P	14	14	S	9	E
43-015-30418-00-00	USA 1-425	Gas Well	P	1	16	S	9	E
43-007-30579-00-00	USA 14-325	Gas Well	P	14	15	S	8	E
43-007-30634-00-00	USA 14-386	Gas Well	P	14	15	S	8	E
43-007-30646-00-00	USA 14-416	Gas Well	P	14	15	S	8	E
43-007-30647-00-00	USA 14-417	Gas Well	P	14	15	S	8	E
43-007-30791-00-00	USA 14-476	Gas Well	P	14	14	S	8	E
43-007-30792-00-00	USA 14-477	Gas Well	P	14	14	S	8	E
43-007-30529-00-00	USA 14-74	Gas Well	P	14	14	S	9	E
43-007-30263-00-00	USA 14-75	Gas Well	P	14	14	S	9	E
43-007-30450-00-00	USA 15-176	Gas Well	P	15	14	S	9	E
43-007-30423-00-00	USA 15-177	Gas Well	P	15	14	S	9	E
43-007-30690-00-00	USA 15-420	Gas Well	P	15	15	S	8	E
43-007-30691-00-00	USA 15-422	Gas Well	P	15	15	S	8	E
43-007-30264-00-00	USA 15-88	Gas Well	P	15	14	S	9	E
43-007-30422-00-00	USA 17-179	Gas Well	P	17	14	S	9	E
43-007-30622-00-00	USA 17-180A	Gas Well	P	17	14	S	9	E
43-007-30618-00-00	USA 18-181	Gas Well	P	18	14	S	9	E
43-007-30417-00-00	USA 18-182	Gas Well	P	18	14	S	9	E
43-007-30619-00-00	USA 18-435	Gas Well	P	18	14	S	9	E
43-007-30393-00-00	USA 19-222	Gas Well	P	19	15	S	10	E
43-007-30392-00-00	USA 19-73	Gas Well	P	19	15	S	10	E
43-007-30448-00-00	USA 20-287	Gas Well	P	20	15	S	10	E
43-007-30451-00-00	USA 20-288	Gas Well	P	20	15	S	10	E
43-007-30590-00-00	USA 20-398	Gas Well	P	20	15	S	10	E
43-007-30591-00-00	USA 20-399	Gas Well	P	20	15	S	10	E
43-007-30424-00-00	USA 21-184	Gas Well	P	21	14	S	9	E
43-007-30425-00-00	USA 21-35	Gas Well	P	21	14	S	9	E
43-007-30426-00-00	USA 22-185	Gas Well	P	22	14	S	9	E
43-007-30477-00-00	USA 22-186	Gas Well	P	22	14	S	9	E
43-007-30700-00-00	USA 22-466	Gas Well	P	22	15	S	8	E
43-007-30611-00-00	USA 23-423	Gas Well	P	23	14	S	8	E
43-007-30650-00-00	USA 23-445	Gas Well	P	23	15	S	8	E
43-007-30704-00-00	USA 23-451	Gas Well	P	23	15	S	8	E
43-007-30503-00-00	USA 23-467	Gas Well	P	23	15	S	8	E
43-007-30793-00-00	USA 23-478	Gas Well	P	23	14	S	8	E
43-007-30794-00-00	USA 23-479	Gas Well	P	23	14	S	8	E
43-007-30795-00-00	USA 23-480	Gas Well	P	23	14	S	8	E
43-007-30469-00-00	USA 24-183	Gas Well	P	24	14	S	8	E
43-007-30612-00-00	USA 24-387	Gas Well	P	24	14	S	8	E
43-007-30613-00-00	USA 24-388	Gas Well	P	24	14	S	8	E
43-007-30651-00-00	USA 24-443	Gas Well	P	24	15	S	8	E
43-007-30648-00-00	USA 24-444	Gas Well	P	24	15	S	8	E
43-007-30708-00-00	USA 24-446	Gas Well	P	24	14	S	8	E
43-007-30652-00-00	USA 24-448	Gas Well	P	24	15	S	8	E
43-007-30705-00-00	USA 24-449	Gas Well	P	24	15	S	8	E
43-007-30505-00-00	USA 25-459	Gas Well	P	25	15	S	8	E
43-007-30614-00-00	USA 26-393	Gas Well	P	26	14	S	8	E

## Utah Well List as of 12/26/02

API Well Number	Well Name	Well Type	Well Status	Sec	Twprn	Twprd	Rngn	Rngd
43-007-30430-00-00	UTAH 06-223	Gas Well	P	6	15	S	9	E
43-007-30562-00-00	UTAH 06-330	Gas Well	P	6	15	S	9	E
43-007-30716-00-00	UTAH 06-483	Gas Well	P	6	15	S	9	E
43-007-30409-00-00	UTAH 07-234	Gas Well	P	7	15	S	9	E
43-007-30421-00-00	UTAH 07-235	Gas Well	P	7	15	S	9	E
43-007-30411-00-00	UTAH 08-231	Gas Well	P	8	15	S	9	E
43-007-30488-00-00	UTAH 08-233	Gas Well	P	8	15	S	9	E
43-015-30464-00-00	UTAH 08-354	Gas Well	P	8	16	S	9	E
43-015-30378-00-00	UTAH 08-355	Gas Well	P	8	16	S	9	E
43-015-30379-00-00	UTAH 08-356	Gas Well	P	8	16	S	9	E
43-015-30380-00-00	UTAH 08-357	Gas Well	P	8	16	S	9	E
43-007-30449-00-00	UTAH 09-227	Gas Well	P	9	15	S	9	E
43-007-30561-00-00	UTAH 09-329	Gas Well	P	9	15	S	9	E
43-015-30300-00-00	UTAH 09-358	Gas Well	P	9	16	S	9	E
43-015-30407-00-00	UTAH 09-359	Gas Well	P	9	16	S	9	E
43-015-30397-00-00	UTAH 09-360	Gas Well	P	9	16	S	9	E
43-015-30408-00-00	UTAH 09-361	Gas Well	P	9	16	S	9	E
43-007-30580-00-00	UTAH 09-412	Gas Well	P	9	15	S	10	E
43-007-30605-00-00	UTAH 09-413	Gas Well	P	9	15	S	10	E
43-007-30657-00-00	UTAH 09-450	Gas Well	P	9	15	S	10	E
43-007-30722-00-00	UTAH 09-453	Gas Well	P	9	15	S	10	E
43-007-30302-00-00	UTAH 10-01-36	Gas Well	P	10	15	S	9	E
43-007-30298-00-00	UTAH 10-219	Gas Well	P	10	15	S	9	E
43-007-30432-00-00	UTAH 10-220	Gas Well	P	10	15	S	9	E
43-007-30303-00-00	UTAH 10-221	Gas Well	P	10	15	S	9	E
43-007-30228-00-00	UTAH 11-50	Gas Well	P	11	15	S	9	E
43-007-30229-00-00	UTAH 11-51	Gas Well	P	11	15	S	9	E
43-007-30230-00-00	UTAH 11-52	Gas Well	P	11	15	S	9	E
43-007-30231-00-00	UTAH 11-53	Gas Well	P	11	15	S	9	E
43-007-30467-00-00	UTAH 1-209	Gas Well	P	1	15	S	8	E
43-007-30210-00-00	UTAH 12-15-37	Gas Well	P	12	15	S	9	E
43-007-30232-00-00	UTAH 12-54	Gas Well	P	12	15	S	9	E
43-007-30233-00-00	UTAH 12-55	Gas Well	P	12	15	S	9	E
43-007-30234-00-00	UTAH 12-56	Gas Well	P	12	15	S	9	E
43-015-30493-00-00	UTAH 13-376	Gas Well	P	13	16	S	8	E
43-015-30301-00-00	UTAH 13-550	Gas Well	P	13	16	S	8	E
43-007-30243-00-00	UTAH 13-65	Gas Well	P	13	15	S	9	E
43-007-30244-00-00	UTAH 13-66	Gas Well	P	13	15	S	9	E
43-007-30245-00-00	UTAH 13-67	Gas Well	P	13	15	S	9	E
43-007-30246-00-00	UTAH 13-68	Gas Well	P	13	15	S	9	E
43-007-30439-00-00	UTAH 13-92	Gas Well	P	13	14	S	9	E
43-007-30220-00-00	UTAH 1-42	Gas Well	P	1	15	S	9	E
43-007-30221-00-00	UTAH 1-43	Gas Well	P	1	15	S	9	E
43-007-30222-00-00	UTAH 1-44	Gas Well	P	1	15	S	9	E
43-007-30223-00-00	UTAH 1-45	Gas Well	P	1	15	S	9	E
43-015-30330-00-00	UTAH 14-551	Gas Well	P	14	16	S	8	E
43-015-30331-00-00	UTAH 14-552	Gas Well	P	14	16	S	8	E
43-007-30239-00-00	UTAH 14-61	Gas Well	P	14	15	S	9	E
43-007-30240-00-00	UTAH 14-62	Gas Well	P	14	15	S	9	E
43-007-30241-00-00	UTAH 14-63	Gas Well	P	14	15	S	9	E
43-007-30242-00-00	UTAH 14-64	Gas Well	P	14	15	S	9	E
43-015-30334-00-00	UTAH 15-553	Gas Well	P	15	16	S	8	E
43-007-30416-00-00	UTAH 17-101	Gas Well	P	17	15	S	10	E
43-007-30277-00-00	UTAH 17-102	Gas Well	P	17	15	S	10	E

## Utah Well List as of 12/26/02

API Well Number	Well Name	Well Type	Well Status	Sec	Twprn	Twprd	Rngn	Rngd
43-007-30255-00-00	UTAH 24-80	Gas Well	P	24	15	S	9	E
43-007-30256-00-00	UTAH 24-81	Gas Well	P	24	15	S	9	E
43-007-30267-00-00	UTAH 24-86	Gas Well	P	24	15	S	9	E
43-007-30375-00-00	UTAH 24-87	Gas Well	P	24	15	S	9	E
43-007-30227-00-00	UTAH 2-49	Gas Well	P	2	15	S	9	E
43-007-30157-00-00	UTAH 25-11-7	Gas Well	P	25	14	S	9	E
43-007-30399-00-00	UTAH 25-134	Gas Well	P	25	15	S	9	E
43-007-30400-00-00	UTAH 25-252	Gas Well	P	25	15	S	9	E
43-007-30401-00-00	UTAH 25-253	Gas Well	P	25	15	S	9	E
43-007-30402-00-00	UTAH 25-254	Gas Well	P	25	15	S	9	E
43-007-30600-00-00	UTAH 25-389	Gas Well	P	25	14	S	8	E
43-007-30599-00-00	UTAH 25-390	Gas Well	P	25	14	S	8	E
43-007-30658-00-00	UTAH 25-391	Gas Well	P	25	14	S	8	E
43-007-30602-00-00	UTAH 25-392	Gas Well	P	25	14	S	8	E
43-007-30206-00-00	UTAH 25-4-33	Gas Well	P	25	14	S	9	E
43-015-30519-00-00	UTAH 25-577	Gas Well	P	25	16	S	8	E
43-007-30156-00-00	UTAH 25-7-6	Gas Well	P	25	14	S	9	E
43-007-30204-00-00	UTAH 26-11-25	Gas Well	P	26	14	S	9	E
43-007-30205-00-00	UTAH 26-1-23	Gas Well	P	26	14	S	9	E
43-007-30181-00-00	UTAH 26-16-8	Gas Well	P	26	14	S	9	E
43-007-30446-00-00	UTAH 26-255	Gas Well	P	26	15	S	9	E
43-007-30445-00-00	UTAH 26-256	Gas Well	P	26	15	S	9	E
43-007-30444-00-00	UTAH 26-257	Gas Well	P	26	15	S	9	E
43-007-30514-00-00	UTAH 26-267	Gas Well	P	26	15	S	9	E
43-015-30541-00-00	UTAH 26-580	Gas Well	P	26	16	S	8	E
43-015-30542-00-00	UTAH 26-581	Gas Well	P	26	16	S	8	E
43-015-30544-00-00	UTAH 26-583	Gas Well	P	26	16	S	8	E
43-007-30202-00-00	UTAH 26-6-24	Gas Well	P	26	14	S	9	E
43-007-30395-00-00	UTAH 27-187	Gas Well	P	27	14	S	9	E
43-007-30292-00-00	UTAH 27-188	Gas Well	P	27	14	S	9	E
43-007-30457-00-00	UTAH 27-268	Gas Well	P	27	15	S	9	E
43-007-30458-00-00	UTAH 27-269	Gas Well	P	27	15	S	9	E
43-007-30712-00-00	UTAH 27-457	Gas Well	P	27	14	S	8	E
43-007-30714-00-00	UTAH 27-458	Gas Well	P	27	14	S	8	E
43-007-30777-00-00	UTAH 27-520	Gas Well	P	27	14	S	8	E
43-015-30545-00-00	UTAH 27-584	Gas Well	P	27	16	S	8	E
43-007-30193-00-00	UTAH 27-8-29	Gas Well	P	27	14	S	9	E
43-007-30186-00-00	UTAH 27-9-30	Gas Well	P	27	14	S	9	E
43-007-30396-00-00	UTAH 28-189	Gas Well	P	28	14	S	9	E
43-007-30397-00-00	UTAH 28-190	Gas Well	P	28	14	S	9	E
43-007-30293-00-00	UTAH 28-191	Gas Well	P	28	14	S	9	E
43-007-30294-00-00	UTAH 28-192	Gas Well	P	28	14	S	9	E
43-007-30551-00-00	UTAH 28-320	Gas Well	P	28	15	S	9	E
43-007-30560-00-00	UTAH 28-321	Gas Well	P	28	15	S	9	E
43-007-30405-00-00	UTAH 29-193	Gas Well	P	29	14	S	9	E
43-007-30427-00-00	UTAH 29-194	Gas Well	P	29	14	S	9	E
43-007-30739-00-00	UTAH 29-339	Gas Well	P	29	15	S	9	E
43-007-30740-00-00	UTAH 29-340	Gas Well	P	29	15	S	9	E
43-007-30741-00-00	UTAH 29-341	Gas Well	P	29	15	S	9	E
43-007-30742-00-00	UTAH 29-342	Gas Well	P	29	15	S	9	E
43-007-30262-00-00	UTAH 30-125	Gas Well	P	30	14	S	10	E
43-007-30185-00-00	UTAH 30-13-14	Gas Well	P	30	14	S	10	E
43-007-30265-00-00	UTAH 30-195	Gas Well	P	30	14	S	9	E
43-007-30344-00-00	UTAH 30-196	Gas Well	P	30	14	S	9	E

Utah Well List as of 12/26/02

API Well Number	Well Name	Well Type	Well Status	Sec	Twpn	Twpd	Rngn	Rngd
43-007-30178-00-00	UTAH 36-1-2	Gas Well	P	36	14	S	9	E
43-007-30341-00-00	UTAH 36-135	Gas Well	P	36	15	S	9	E
43-007-30343-00-00	UTAH 36-136	Gas Well	P	36	15	S	9	E
43-007-30342-00-00	UTAH 36-137	Gas Well	P	36	15	S	9	E
43-007-30315-00-00	UTAH 36-162	Gas Well	P	36	14	S	8	E
43-007-30316-00-00	UTAH 36-163	Gas Well	P	36	14	S	8	E
43-007-30317-00-00	UTAH 36-164	Gas Well	P	36	14	S	8	E
43-007-30318-00-00	UTAH 36-165	Gas Well	P	36	14	S	8	E
43-007-30144-00-00	UTAH 36-9-5	Gas Well	P	36	14	S	9	E
43-015-30341-00-00	UTAH 4-280	Gas Well	P	4	16	S	9	E
43-015-30342-00-00	UTAH 4-282	Gas Well	P	4	16	S	9	E
43-007-30384-00-00	UTAH 5-205	Gas Well	P	5	15	S	9	E
43-007-30269-00-00	UTAH 5-94	Gas Well	P	5	15	S	10	E
43-007-30270-00-00	UTAH 5-95	Gas Well	P	5	15	S	10	E
43-007-30271-00-00	UTAH 5-96	Gas Well	P	5	15	S	10	E
43-007-30217-00-00	UTAH 6-38	Gas Well	P	6	15	S	10	E
43-007-30218-00-00	UTAH 6-39	Gas Well	P	6	15	S	10	E
43-007-30219-00-00	UTAH 6-40	Gas Well	P	6	15	S	10	E
43-007-30254-00-00	UTAH 6-41	Gas Well	P	6	15	S	10	E
43-007-30235-00-00	UTAH 7-57	Gas Well	P	7	15	S	10	E
43-007-30236-00-00	UTAH 7-58	Gas Well	P	7	15	S	10	E
43-007-30237-00-00	UTAH 7-59	Gas Well	P	7	15	S	10	E
43-007-30238-00-00	UTAH 7-60	Gas Well	P	7	15	S	10	E
43-007-30275-00-00	UTAH 8-100	Gas Well	P	8	15	S	10	E
43-007-30410-00-00	UTAH 8-230	Gas Well	P	8	15	S	9	E
43-007-30272-00-00	UTAH 8-97	Gas Well	P	8	15	S	10	E
43-007-30285-00-00	UTAH 8-98X	Gas Well	P	8	15	S	10	E
43-007-30274-00-00	UTAH 8-99	Gas Well	P	8	15	S	10	E
43-007-30413-00-00	UTAH 9-228	Gas Well	P	9	15	S	9	E
43-007-30414-00-00	UTAH 9-229	Gas Well	P	9	15	S	9	E
43-007-30279-00-00	WILLIAMS 30-78	Gas Well	P	30	14	S	10	E
43-007-30481-00-00	WOOLSTENHULME 05-266	Gas Well	P	5	15	S	10	E
43-015-30250-00-00	UTAH 16-110	Gas Well	Shut In	16	16	S	9	E



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Eastern States Office  
7450 Boston Boulevard  
Springfield, Virginia 22153

IN REPLY REFER TO  
3106.8(932.34)WF

January 16, 2003

### NOTICE

ConocoPhillips Company : Oil & Gas Leases  
P.O. Box 7500 :  
Bartlesville, Oklahoma 74005 :

#### Merger/Name Change Recognized

Acceptable evidence was received in this office on January 14, 2003, concerning the change of name of Phillips Petroleum Company to **ConocoPhillips Company** and the merger of **Conoco Incorporated** into **ConocoPhillips Company** on Federal oil and gas leases, with **ConocoPhillips Company being the surviving entity.**

The Secretary of the State of Delaware certified the effective date of this merger effective December 31, 2002.

The oil and gas lease files identified on the enclosed exhibit have been noted to the merger. The exhibit was compiled from a list of leases obtained from your list of leases. Eastern States has not abstracted the lease files to determine if the entities affected by this merger hold an interest in the leases identified nor have we attempted to identify leases where the entities are the operator on the ground maintaining no vested record title or operating rights interest. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of this merger and 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.

If you identify other leases in which the merging entity maintain an interest, please contact this office and we will appropriately document those files with a copy of this Notice.

By Operation of law the name of the principal on Nationwide Oil and Gas Bond held by Conoco Incorporated (ES0085) has been changed to ConocoPhillips Company.

If you have any questions, please contact Bill Forbes at 703-440-1536.

*S/ Wilbert B. Forbes*

Wilbert B. Forbes  
Land Law Examiner  
Branch of Use Authorization  
Division of Resources Planning, Use  
and Protection

bc: JFO, BLM State Offices, MMS, ES RF, 930 RF, ES-932;  
Bforbes:wbf:01/16/03:440-1536/ConocoPhillips Co

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

Operator Name Change

**X Merger**

The operator of the well(s) listed below has changed, effective: <b>12-31-02</b>	
<b>FROM: (Old Operator):</b>	<b>TO: (New Operator):</b>
PHILLIPS PETROLEUM COMPANY	CONOCOPHILLIPS COMPANY
Address: 980 PLAZA OFFICE	Address: P O BOX 2197, WL3 4066
BARTLESVILLE, OK 74004	HOUSTON, TX 77252
Phone: 1-(918)-661-4415	Phone: 1-(832)-486-2329
Account No. N1475	Account No. N2335

**CA No. Unit: DRUNKARDS WASH**

<b>WELL(S)</b>						
NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
UTAH 5-205	05-15S-09E	43-007-30384	11256	STATE	GW	P
UTAH 5-206	05-15S-09E	43-007-30390	11256	STATE	GW	P
UTAH 5-225	05-15S-09E	43-007-30440	11256	STATE	GW	P
UTAH 6-223	06-15S-09E	43-007-30430	11256	STATE	GW	P
UTAH 6-207	06-15S-09E	43-007-30391	11256	STATE	GW	P
UTAH 6-330	06-15S-09E	43-007-30562	11256	STATE	GW	P
UTAH 6-483	06-15S-09E	43-007-30716	11256	STATE	GW	P
HELPER & ASSOCIATES 7-84	07-15S-09E	43-007-30258	11256	FEE	GW	P
UTAH 7-234	07-15S-09E	43-007-30409	11256	STATE	GW	P
UTAH 7-235	07-15S-09E	43-007-30421	11256	STATE	GW	P
HELPER & ASSOCIATES 7-307	07-15S-09E	43-007-30487	11256	FEE	GW	P
UTAH 8-230	08-15S-09E	43-007-30410	11256	STATE	GW	P
UTAH 8-231	08-15S-09E	43-007-30411	11256	STATE	GW	P
HELPER & ASSOCIATES 8-232	08-15S-09E	43-007-30412	11256	FEE	GW	P
UTAH 8-233	08-15S-09E	43-007-30488	11256	STATE	GW	P
UTAH 9-228	09-15S-09E	43-007-30413	11256	STATE	GW	P
UTAH 9-229	09-15S-09E	43-007-30414	11256	STATE	GW	P
UTAH 9-227	09-15S-09E	43-007-30449	11256	STATE	GW	P
UTAH 9-329	09-15S-09E	43-007-30561	11256	STATE	GW	P
UTAH 10-219	10-15S-09E	43-007-30298	11256	STATE	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: 01/08/2003
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 01/08/2003
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 02/03/2003
4. Is the new operator registered in the State of Utah: YES Business Number: 562960-0143
5. If **NO**, the operator was contacted contacted on: \_\_\_\_\_

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

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: 01/14/2003

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: 01/14/2003

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: 01/14/2003

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 02/10/2003

2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 02/10/2003

3. Bond information entered in RBDMS on: N/A

4. Fee wells attached to bond in RBDMS on: N/A

**STATE WELL(S) BOND VERIFICATION:**

1. State well(s) covered by Bond Number: 8140-60-24

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: 8015-16-69

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: N/A

**FEE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 6196922

2. The **FORMER** operator has requested a release of liability from their bond on: N/A

The Division sent response by letter on: N/A

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

**COMMENTS:**

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

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

ORIGINAL

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. Type of Well: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER:	5. Lease Designation and Serial Number: Patented
2. Name of Operator: Phillips Petroleum Company	6. If Indian, Allottee or Tribe Name: N/A
3. Address and Telephone Number: 6825 South 5300 West, P.O. Box 851, Price, UT 84501 (435) 613-9777	7. Unit Agreement Name: UTU67921X Drunkards Wash
4. Location of Well Footages: 672' FNL, 962' FWL County: Carbon County	8. Well Name and Number: H & A 07-307
QQ, Sec., T., R., M.: NW/NW, SEC.07, T15S, R09E, SLB & M	9. API Well Number: 43-007-30487
	10. Field or Pool, or Wildcat: Drunkards Wash
	State: Utah

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

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<input type="checkbox"/> Abandon <input type="checkbox"/> Repair Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Convert to Injection <input type="checkbox"/> Fracture Treat or Acidize <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Other _____ Approximate date work will start _____	<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Csg <input type="checkbox"/> Recomplete <input type="checkbox"/> Reperforate <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Abandon * <input type="checkbox"/> Repair Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Convert to Injection <input type="checkbox"/> Fracture Treat or Acidize <input checked="" type="checkbox"/> Other <u>Chemical/Flush Treatment</u> Date of work completion <u>12/17/02</u>
	Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form. * Must be accompanied by a cement verification report.

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

Please be advised that the above referenced well was chemically treated with 4000 gallons of low Ph fluid & 250 gallons of 4% Acid on 12/17/02.

RECEIVED  
JAN 23 2003  
DIV. OF OIL, GAS & MINING

13.  
Name & Signature: Lynnette Allred  Title: Administrative Assistant Date: 01/16/03

(This space for state use only)