

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR PERMIT TO DRILL OR DEEPEN		5. Lease Designation and Serial Number: ML-39915	
		6. If Indian, Allottee or Tribe Name: N/A	
1A. Type of Work: DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		7. Unit Agreement Name: Drunkards Wash UTU-67921X	
B. Type of Well: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER: Water Disposal <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		8. Farm or Lease Name: Utah	
2. Name of Operator: River Gas Corporation		9. Well Number: D-9	
3. Address and Telephone Number: 1305 South 100 East, Price, UT 84501 (801)637-8876		10. Field or Pool, or Wildcat: Drunkards Wash	
4. Location of Well (Footages) At Surface: 1960' FNL, 1487' FWL At Proposed Producing Zone: 1305		CONFIDENTIAL	
14. Distance in miles and direction from nearest town or post office: 7.4 miles southwest of Price, Utah			
15. Distance to nearest property or lease line (feet): 1155'		16. Number of acres in lease: 320 acres	17. Number of acres assigned to this well: N/A
18. Distance to nearest well, drilling, completed, or applied for, on this lease (feet): 300'		19. Proposed Depth: 8400'	20. Rotary or cable tools: Rotary
21. Elevations (show whether DF, RT, GR, etc.): 6412' GR		22. Approximate date work will start: June 1998	

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26"	20"	Conductor	20'	
17-1/2"	13-3/8"	48#/ft.	900'	
12-1/4"	9-5/8"	36#/ft.	3500'	
8-3/4"	7"	26#/ft	8400'	

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.

- *6 cubic yards ready mix
- *380 sks 50/50 Poz +8%D-20+1/4#/sk D-29; 200 sks G+2%S-1+1/4#/sk D-29
- *555 sks 50/50 Poz +6%D-20+1/4#/sk D-29; 300 sks G+2%S-1+1/4#/sk D-29
- *75 sks 50/50 Poz +10% D-44 +4% D-20+5% B-14; 150 sks G+1% D-65 + 0.7%B-14; 225 sks 10-1RFC
- *100 sks 50/50 Poz +10% D-44 +4% D-20 +0.5% B-14; 260 sks G+1% D-65 +0.7%B-14; 150 sks 10-1 RFC

CONFIDENTIAL

24. Name & Signature: Don S. Hamilton *Don S. Hamilton* Title: Permit Specialist Date: 4/23/98

(This space for state use only)

API Number Assigned: 43-007-30438 Approval: *[Signature]*

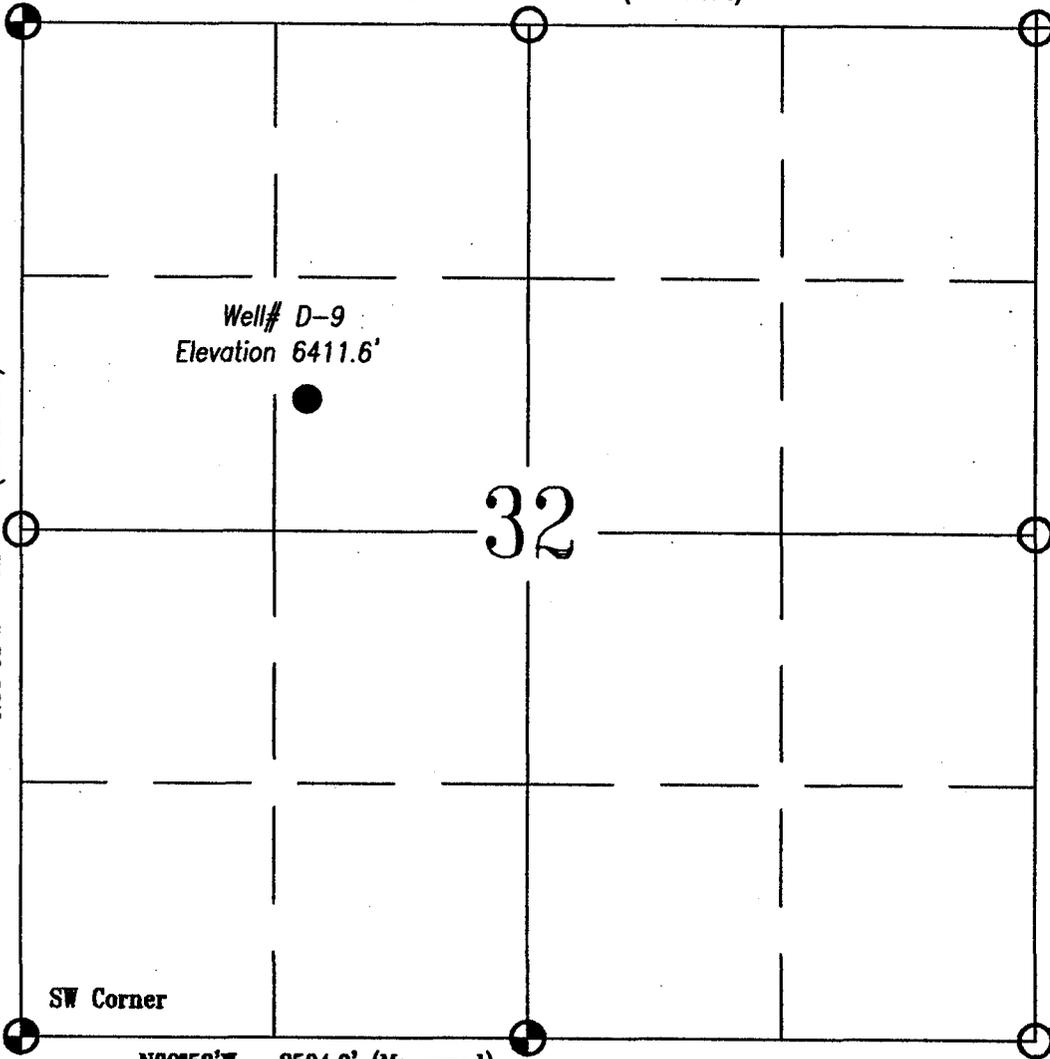
6/11/98

Range 9 East

S89°55'W - 5284.0' (Recorded)

Township 16 South

N01°23'44"W - 5285.1' (Measured)
N00°01'W - 5280.0' (Recorded)



Well# D-9
Elevation 6411.6'

32

SW Corner

N89°53'W - 2504.9' (Measured)
S89°53'W - 5258.9' (Recorded)

Basis of Bearing:
Basis of Bearing S89°53'W recorded between the SW Corner and the South Quarter Corner of Section 32, Township 14 South, Range 9 East, Salt Lake Base & Meridian.

Basis Of Elevation:
Basis of Elevation of 6577' as indicated in the SW R.O.W Corner in Section 32, Township 14 South, Range 9 East, Salt Lake Base and Meridian, as indicated in the Pinnacle Peak Quadrangle 7.5 Minute Series Map.

Description of Location:
Proposed Drill Hole located in the SE 1/4 NW1/4 of Section 32; 3325.4' North and 1486.6' East from the SW Corner of Section 32, T14S, R9E, Salt Lake Base & Meridian.

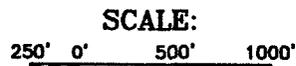
Surveyor's Certificate:
I, John S. Huefner, a Registered Licensed Land Surveyor, holding Certificate #144842, State of Utah, do hereby certify that the information on this drawing is a true and accurate survey of the land, and was conducted under my personal supervision, as shown hereon.

N00°01'W - 5280.0' (Recorded)

Exhibit "A"
1 OF 3

LEGEND:

- Drill Hole Location
- ⊕ Found Section Corner Monumented w/ Brass Cap Unless Indicated Otherwise
- Section Corner Searched for, But Not Found



<p>DRAWN BY: P. BOYLEN</p> <p>CHECKED BY: L.W.J.</p> <p>DATE: 3/31/98</p> <p>SCALE: 1"=1000'</p> <p>JOB NO. 269</p> <p>DRAWING NO. A-1</p> <p>SHEET 1 OF 4</p>	<p>Castle Valley</p> <p>3204 South 125 West P.O. Box 84501 Provo, Utah 84601 (801) 637-9300 FAX (801) 637-2633</p> <p>Service</p> <p>River Gas Corporation Well# D-9 Section 32, T14S, R9E, S.L.B.&M. Carbon County, Utah</p>
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United States Department of the Interior

BUREAU OF LAND MANAGEMENT

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

IN REPLY REFER TO:
3160

COPY

June 4, 1998

Memorandum

To: Assistant District Manager Minerals, Moab District

From: Michael Coulthard, Petroleum Engineer

Subject: 1998 Plan of Development Drunkards Wash Unit
Carbon County, Utah.

Pursuant to Email between Lisha Cordova, Division of Oil Gas and Mining, and Mickey Coulthard, Utah State Office, the following disposal well is planned for calendar year 1998 for the Drunkards Wash Unit, Carbon County, Utah.

WELL_NAME			QQ	SECTION	TOWNSHIP	RANGE
UTAH D-9	SURFACE	1960-FNL-1487-FWL	SENW	32	14S	09E

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File - Drunkards Wash Unit
Division of Oil Gas and Mining
Agr. Sec. Chron
Fluid Chron



ORIGINAL

RIVER GAS CORPORATION

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

CONFIDENTIAL

April 23, 1998

Mr. Michael Hebertson
State of Utah
Div. of Oil, Gas and Mining
1594 W. North Temple-Suite 1210
SLC, Utah 84114-5801

RE: Application for Permit to Drill-
Disposal Well 9, SE/4, NW/4, Sect.32
T14S, R09E, SLB & M, Carbon County, Utah

Dear Mr. Hebertson:

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" - Evidence of Bond;
- Exhibit "D" - Drilling Information;
- Exhibit "E" - Proposed Drilling Equipment Location Layout;
- Exhibit "F" - Typical Road Cross-section;
- Exhibit "G" - BOP Diagram;
- Exhibit "H" - Selected Points to be Addressed in On-site Pre-drill Evaluation;

A surface land use agreement is currently being negotiated. Upon completion, an affidavit regarding the agreement will be submitted to your office.

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. This request is made in accordance with the State of Utah's Oil and Gas Conservation General Rules item number R649-2-11.

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

STATE OF UTAH
BOND OF LESSEE

KNOW ALL MEN BY THESE PRESENTS, that we River Gas Corporation and Drunkards Wash Joint Venture of 511 Energy Center Blvd. Northport, AL 35476 as principal and GULF INSURANCE COMPANY, P.O. BOX 1771, DALLAS, TEXAS 75221, as surety, are held and firmly bound unto the State of Utah in the sum of ^{two} Hundred Thousand Dollars (\$200,000.00) lawful money of the United States to be paid to the School & Institutional Trust Lands Administration, as agent for the State of Utah, for the use and benefit of the State of Utah, and of any patentee or purchaser of any portion of the land covered by the hereinafter described lease heretofore sold or which may hereafter be sold with a reservation to the State of Utah, on the surface or of other mineral deposits of any portion of such lands, for which payment, well and truly to be made, we bind ourselves, and each of us, and each of our heirs, executors, administrators, successors, sublessees, and assignees, jointly and severally by these presents.

Signed with our hands and seals this 4th day of March, 19 96.

The condition of the foregoing obligation is such that,

WHEREAS, ~~The State of Utah, as Lessor, issued a(n) lease, Lease Number _____ and dated _____, to _____ as lessee (and said lease has been duly assigned under date of _____ to _____) to drill for, mine, extract, and remove all of the _____ deposits in and under the following described lands, to wit:~~

Operational State Wide Bond

NOW, THEREFORE, the principal and surety shall be obligated to pay all monies, rentals, royalties, costs of reclamation, damages to the surface and improvements thereon and any other damages, costs, expenses, penalties, interest or liabilities which arise by operation of or in connection with the above described lease(s) accruing to the Lessor and shall fully comply with all other terms and conditions of said lease, the rules, regulations, and policies relating thereto of the School & Institutional Trust Lands Administration, the Board of Oil, Gas and Mining, and the Division of Oil, Gas and Mining as they may now exist or may from time to time be modified or amended. This obligation is in effect even if the principal has conveyed part of its interest to a successor in interest. If the principal fully satisfies the above described obligations, then the surety's obligation to make payment to the State of Utah is void and of no effect, otherwise, it shall remain in full force and effect until released by the School & Institutional Trust Lands Administration.

Signed, sealed and delivered in the presence of

River Gas Corporation
David M. Chambers, President

[Signature]

Witness

[Signature]

Principal

(SEAL)

[Signature]

Witness

BONDING COMPANY GULF INSURANCE COMPANY

BY Frances Burks
Frances Burks, Attorney-in-fact

Attest: [Signature]

Resident Agent: [Signature]

APPROVED AS TO FORM:

JAN GRAHAM
ATTORNEY GENERAL

Bonding Co. Address: P.O. Box 1771, Dallas, Texas 75221

Corporate Seal of Bonding Company Must be Affixed.



POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS:

That GULF INSURANCE COMPANY, a corporation of the State of Missouri, hereinafter called "Company," does hereby appoint

FRANCES BURKS, DALLAS, TEXAS

its true and lawful Attorney-in-fact to make, execute, seal and deliver on its behalf, as surety, any and all bonds and undertakings of suretyship, including waiver and consent of surety to conditions of contracts.

The execution of such bonds or undertakings in pursuance of these presents shall be as binding upon the Company as if they had been executed and acknowledged by the regularly elected officers of the Company.

This Power of Attorney is issued pursuant to and by authority of the following resolution of the Board of Directors of the Company, adopted effective July 1, 1983, and now in full force and effect:

"Resolved that the President, or any Senior Vice President, or any Vice President, or the Secretary, or any Assistant Secretary may appoint Attorneys-in-fact in any state, territory or federal district to represent this Company and to act on its behalf within the scope of the authority granted to them, in writing, which authority may include the power to make, execute, seal and deliver on behalf of this Company, as surety, and as its act and deed, any and all bonds and undertakings of suretyship and other documents that the ordinary course of surety business may require, including authority to appoint agents for the service of process in any jurisdiction, state or federal, and authority to attest to the signature of the President, or any Senior Vice President, or any Vice President, or the Secretary, or any Assistant Secretary and to verify any affidavit or other statement relating to the foregoing, and to certify to a copy of any of the bylaws of the Company and to any resolutions adopted by its Board of Directors; and any such Attorney-in-fact may be removed and the authority granted him revoked by the President, or any Senior Vice President, or any Vice President, or the Secretary, or any Assistant Secretary, or by the Board of Directors."

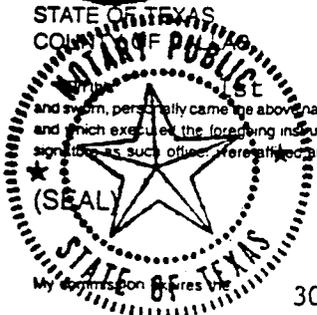
This Power of Attorney and Certificate are signed and sealed by facsimile under and by authority of the following resolution of the Board of Directors of the Company, adopted effective July 1, 1983, and now in full force and effect:

"Resolved that the signature of the President, or of any Senior Vice President, or of any Vice President, or of the Secretary, or of any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing Attorneys-in-fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, including any such power of attorney and certificate revoking the authority of the foregoing Attorneys-in-fact, as well as for the appointment of agents for the service of process in any jurisdiction, state or federal, including any such power of attorney and certificate revoking the authority of such agents; and any such power of attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power of attorney or certificate so executed and certified by such facsimile signature and facsimile seal shall be valid and binding upon the Company at the time any such power of attorney and certificate are executed and in the future with respect to any bond or undertaking to which they are attached."



In Witness Whereof, the Company has caused this Power of Attorney to be signed and its corporate seal to be affixed by its authorized officer this 1st of June, 19 88

By [Signature]
Sr. Vice President



ss: _____ day of June, 19 88 before me, a Notary Public of the State and County aforesaid, residing therein, duly commissioned and sworn, personally came the above named officer of GULF INSURANCE COMPANY, who being by me first duly sworn according to law, did depose and say that he is that officer of the company described in and which executed the foregoing instrument; that he knows the seal of said company; that the seal affixed to such instrument is the corporate seal of said company; and that the corporate seal and his signature as such officer, were affixed and subscribed to the said instrument by the authority and direction of said company.

[Signature]
Notary Public
Clifford R. Beard

30th day of June, 19 88

CERTIFICATE

I, the undersigned, do hereby certify that the original Power of Attorney of which the foregoing is a true and correct copy is in full force and effect, and the foregoing resolutions are true and correct transcripts from the records of GULF INSURANCE COMPANY and that the above named officer was on the date of execution of the foregoing Power of Attorney authorized to execute this Power of Attorney.



I have hereunto subscribed my name and affixed the corporate seal of Gulf Insurance Company this 4th day of March, 19 96

[Signature]
Vice President

Bond No. _____

Effective _____, 19 _____

On Behalf of _____

In Favor of _____



**GULF INSURANCE COMPANY
ATLANTIC INSURANCE COMPANY
SELECT INSURANCE COMPANY
EXECUTIVE OFFICES — IRVING, TEXAS**

RIVER GAS CORPORATION

Drilling Information

(D9)Disposal Well

(SE/4,NW/4) Sect. 32, T14S, R9E, SLB & M, Carbon County, Ut.

R615-3-4 Permitting of Wells to be Drilled, Deepened or Plugged Back

2.1 Telephone numbers for additional information:

Don S. Hamilton	(435) 637-8876 Office
Permit Specialist	(435) 636-5671 Mobile

Jerry Dietz	(435) 637-8876 Office
Production Superintendent	(435) 636-5114 Mobile

Lenny Grimsley	(435) 637-8876 Office
Construction Specialist	(435) 636-5259 Mobile

Michael J. Farrens	(205) 759-3282 Office
Exec.Vice President	(205) 758-8535 Home

2.2 Lease: State of Utah ML-39915

2.3 This disposal well will be drilled approximately 7.4 miles southwest of Price, Utah.

2.4 Survey Plat: See Exhibit " A"

2.5 Water will be purchased from Price River Water Improvement District, PRWID.

2.6 **Drilling Program**

2.6.1 Following is a tabulation of the geologic units and the respective depths where they are expected to be penetrated in the well.

RIVER GAS CORPORATION

Drilling Information Cont.

<u>Formation/Unit</u>	<u>Estimated Depth(top)</u>
Upper Mancos Shale	Surface
Ferron Sandstone	2850'
Tununk Shale	3140'
Dakota	3500'
Cedar Mtn	3530'
Morrison	4460'
Summerville	5000'
Curtis	5450'
Entrada	5580'
Carmel	6460'
Navajo	7220'
Kayenta	7510'
Wingate	7650'

2.6.2 This well will be utilized strictly for the injection of produced waters from RGC's coalbed methane wells. Zones that have shown to be gas and water-bearing are the coals and sandstones of the Ferron Formation. The Navajo Sandstone is expected to be water-bearing, and potentially containing CO₂.

2.6.3 A rotating head with a diverter system will be used to drill the surface hole. For the remainder of the drilling (surface shoe to TD), a double gate 5000 psi BOPE will be used with a rotating head. This equipment will be tested to 70% of the minimum interval yield pressure. All tests will be recorded in a Driller's Report Book. Physical operation of the BOPE's will be checked on each trip. See Attachment "G" for the schematic of the BOPE.

2.6.4 Casing Program-

Conductor-20" Structural set @±20' 26" hole

Cement;ready mix ± 6 cu.yds.

Surface- 13 3/8" H-40 48#/ft ST&C set @±900' 17 1/2" hole.

Cement: 308 sks 50/50 Poz+8%D-20+1/4#/sk D-29.

Yield: 1.92 cu ft/sk.

Wt-12.5 #/gal

Total cu.ft = 591.36.

200 sks G+2%S-1+1/4 #/sk D-29

Yield: 1.15 cu. ft/sk.

Wt.-15.8#/gal

Total cu. ft = 230 cu. ft.

RIVER GAS CORPORATION

Drilling Information Cont.

Intermediate- 9 5/8" K-55 36 & 40 #/ft LT&C set @ ±3200' 12 1/4" hole cement.

555 sk 50/50 Poz +6% D-20 1/4#/sk D-29

Yield: 1.85

Wt: 12.2

Total cu. ft. 1026.75 cu. ft.

300 sks G+2%S-1 1/4 #/sk D-29

Yield: 1.15

Wt: 15.8

Total cu.ft 345 cu.ft.

Production- 7" L-80 or J-55 26#/ft & 29#/ft set @7900'

Hole size 8 3/4".

2 stage cement job stage tool @ ±4000'.

1st stage (7900'-4000=3900'

*Don H. said this is
the most likely T.D.
but used \$400 on APP
to allow for margin
of error.
RJK
6-11-98*

75 sks 50/50 Poz +10% D-44 +4% D-20 +5% B-14

Yield: 1.24 cu ft/sk

Wt: 14.2 #/gal

Total cu. ft =93 cu. ft.

150 sks G+1%D65 + .7% B-14

Yield: 1.15 cu.ft/sk

Wt: 15.8 #/gal

Total cu.ft =172.5

255 sks 10-1 RFC

Yield: 1.61 cu. ft/sk

Wt: 14.2 #/gal

Total cu. ft. = 410.55

Second Stage:

100 sks 50/50 Poz +10% D-44 + 4% D-20 + .5% B-14

Yield: 1.24 cu. ft.

Wt: 14.2 #/gal

Total cu. ft. = 124

260 sks G+ 1% D-65 + .7% B-14

Yield: 1.15 cu. ft/sk

Wt: 15.8 #/gal

Total cu. ft. = 299.0

Exhibit "D" - Page 4

RIVER GAS CORPORATION

Drilling Information Cont.

150 sks 10-1 RFC

Yield 1.61 cu. ft./sk

Wt: 14.2 #/gal

Total cu. ft. =241.50

2.6.5 Mud Program:

<u>Depth</u>	<u>Hole Size</u>	<u>Program</u>
0-900'	17 1/2" hole	
900'-3500'	12 1/4" hole	Drill with air. 400 psi @ 1500-1800 cfs.
3500'-TD	8-3/4" hole	Drill with air 400 psi @ 1500-1800 cfs.

If necessary to mud-up, a fresh water Bentonite type system will be used.

2.6.6 Logging and Testing Program:

<u>Depth</u>	
0-300'	Gamma Ray
300-TD	GR,DIL, LDT, CNL, DSI SONIC

2.6.7 We expect a bottom hole pressure of 3600 psi. No hazards are expected.

Exhibit "H"

**SELECTED POINTS TO BE ADDRESSED IN ON-SITE PRE-DRILL
EVALUATION**

River Gas Corp.
Disposal Well D-9
SE/NW, Section 32, T14S, R09E, SLB&M
1960' FNL, 1487' FWL
Carbon County, Utah

Multipoint Surface Use Plan

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.
- b) The access to the existing Utah 32-159 will be utilized for this well.

2. Planned Access

- a) Approximately 200' of new access will be constructed.
- b) From the existing Utah 32-159 location traverse approximately 200' east to the D-9 (see Exhibit "B")
- c) Maximum Width: 14' travel surface with 27' base
- d) Maximum grade: 4%
- e) Turnouts: None
- f) Drainage design: 2 culverts will be required. Water will be diverted around the well pad as necessary.
- g) Following drilling, the road will be surfaced and maintained as necessary to prevent soil erosion and accommodate year-round traffic.

3. Location of Existing Wells

- a) There are many proposed wells within 1 mile of the proposed location (see Exhibit "B").

4. Location of Existing and/or Proposed Facilities

- a) If drilling is successful, installation of production facilities will follow. Buried power lines will be run along the access road on the north, gathering lines will traverse north from the D-9 to the main road cross-country and tie into the existing pipeline grid.
- 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. 435-637-6350).
- 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) A small (75' X 75') 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 operations 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.
- c) No liquid hydrocarbons will be discharged to the reserve pit or location.
- d) 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.
- e) 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 three 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 following attachment.
- b) A blooie pit will be located 150' diagonally from the drill hole. A line will be placed on the surface from the center hole to the berm pit. The berm pit will not be lined, but will be fenced on four sides to protect livestock/wildlife.
- c) Natural runoff will be diverted around the well pad.

10. Plans for Restoration of Surface

- a) All surface areas not required for production 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. 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 existing conditions.
- e) Rehabilitation will commence following completion of the well. If the wellsite is to be abandoned, all disturbed areas will be recontoured to match the original natural contour as closely as is possible.

11. Surface Ownership

- a) The well site and access road will be constructed on lands owned by the State Institutional & Trust Lands Administration. The operator shall contact the landowner's representative and the Division of Oil, Gas & Mining 48 hours prior to the beginning construction activities.

12. Other Information:

- a) The primary surface use is grazing. The nearest dwelling is approximately 1.2 miles away from the location. Nearest live water is approximately 2,500 feet north.
- b) 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.
- c) The backslope and foreslope will be constructed no steeper than 4:1.
- d) All equipment and vehicles will be confined to the access road and well pad.
- e) 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.

12. **Other Information:**

- a) The primary surface use is grazing. The nearest dwelling is approximately 1.2 miles away from the location. Nearest live water is approximately 2,500 feet north.
- b) 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.
- c) The backslope and foreslope will be constructed no steeper than 4:1.
- d) All equipment and vehicles will be confined to the access road and well pad.
- e) 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.
- f) 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
River Gas Corporation, 1305 So. 100 E., Price, Utah 84501
Office (435) 637-8876
Mobile (435) 636-5671

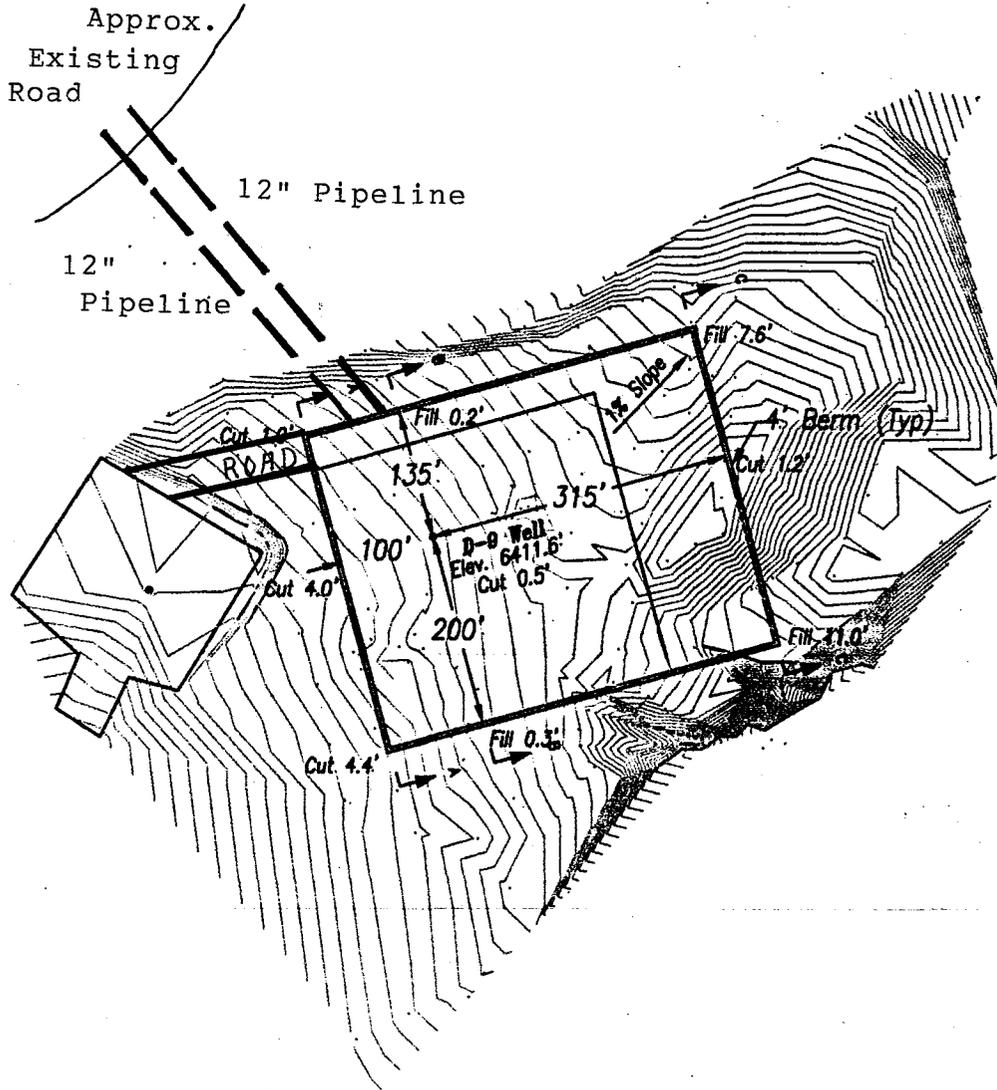
Mail Approved A.P.D. To: Company Representative

14. **Certification**

I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I am familiar with the conditions which 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.

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

4-23-98
Date



DRAWN BY: P. BOYLEN	
CHECKED BY: L.W.J.	
DATE: 4/1/98	3298 South 125 West Price, Utah 84501 (801) 637-9300 FAX (801) 637-2833
SCALE: 1"=200'	River Gas Corporation Location Layout Section 32, T14S, R9E, S.L.B.&M. Carbon County, Utah
JOB NO. 269	
DRAWING NO. A-2	
SHEET 2 OF 4	

1"=10'
X-Section
Scale
1"=100'

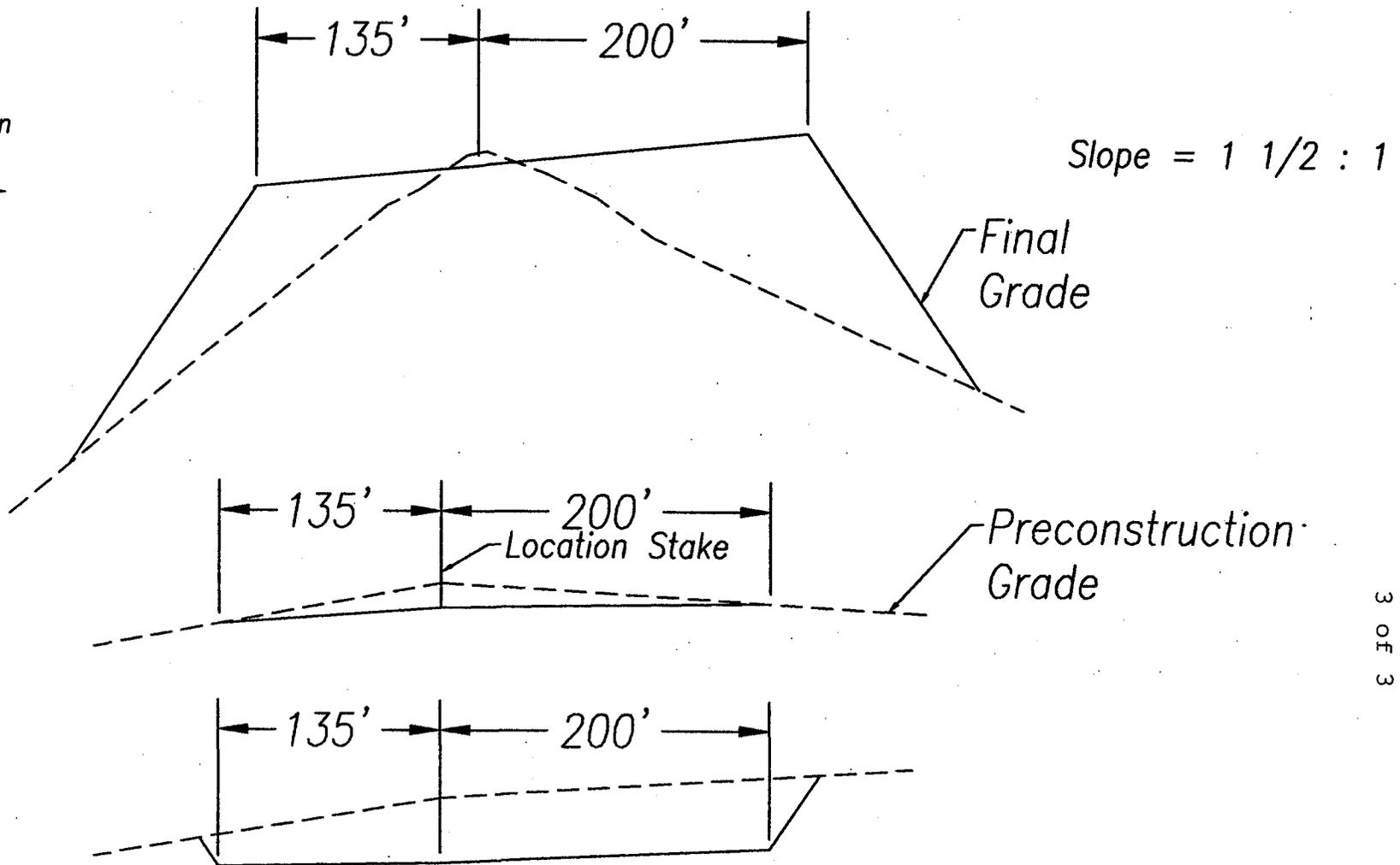
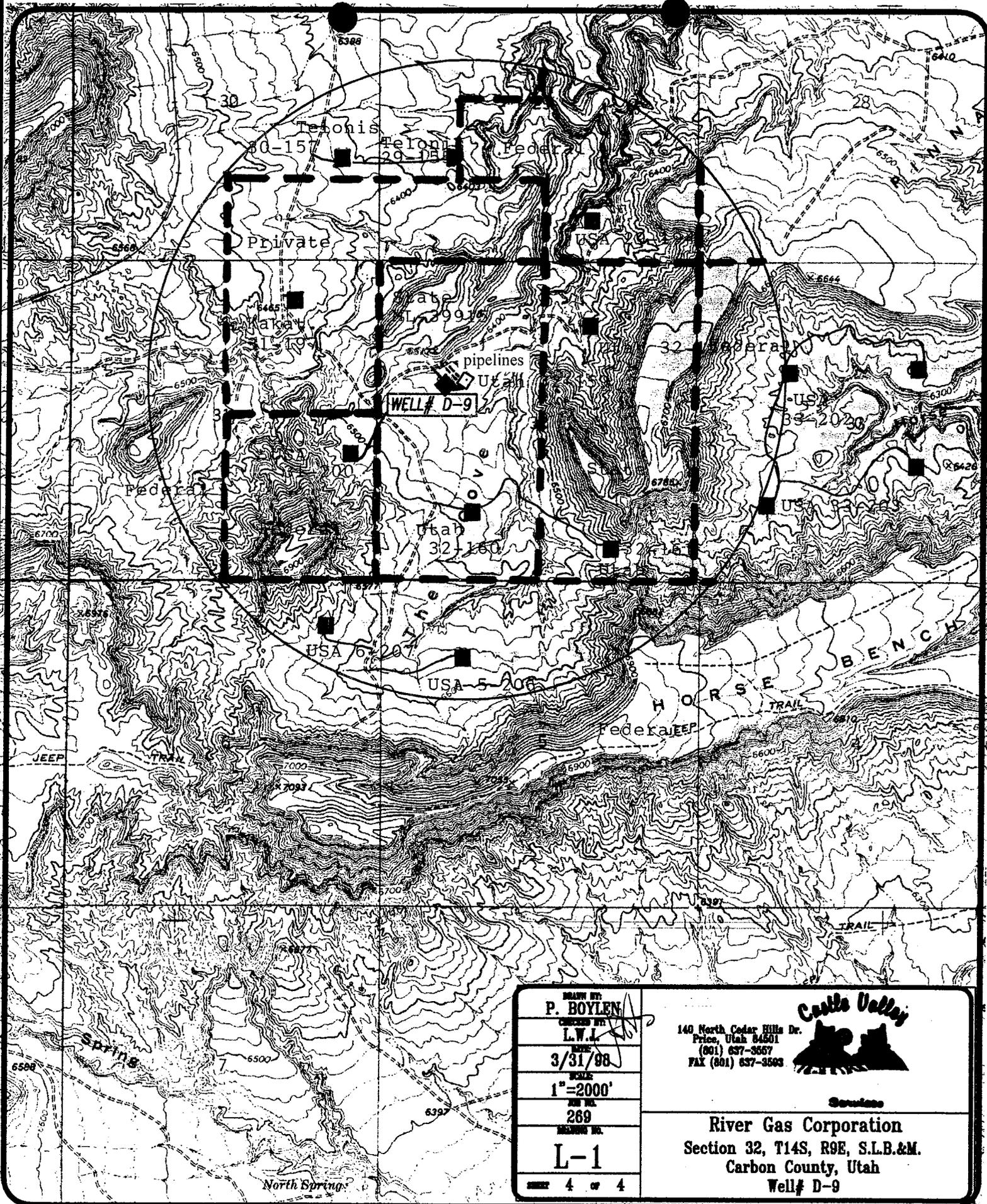


Exhibit "A"
3 OF 3

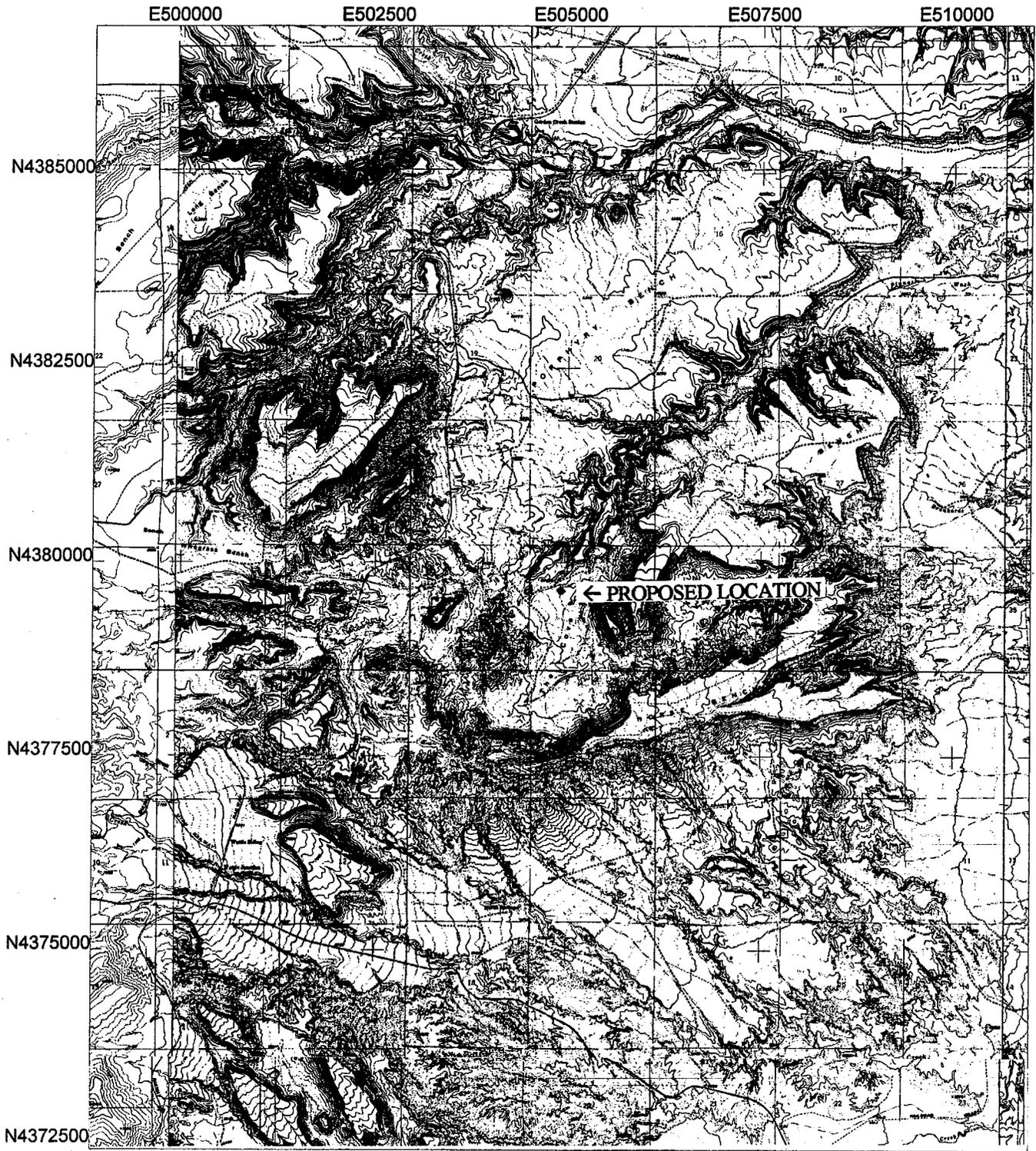
APPROXIMATE YARDAGES

CUT (6") Topsoil Stripping	= 5,200.0 Cu. Yds.
Remaining Location	= 4,725.3 Cu. Yds.
TOTAL CUT	= 9825.3 Cu. Yds.
TOTAL FILL	= 8,407.0 Cu. Yds.

DRAWN BY: P. BOYLEN CHECKED BY: L.W.J. DATE: 4/1/98 SCALE: As Shown JOB NO. 269 DRAWING NO. C-1 SHEET 3 OF 4	 3206 South 125 West Price, Utah 84501 (801) 637-8300 FAX (801) 637-2833 River Gas Corporation Typical Cross Sections Section 32, T14S, R9E, S.L.B.&M. Well # D9
--	--

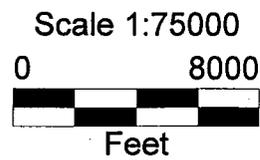


DRAWN BY P. BOYLEN	
CHECKED BY L.W.J.	
DATE 3/31/98	140 North Cedar Hills Dr. Price, Utah 84501 (801) 637-3667 FAX (801) 637-3603
SCALE 1"=2000'	Servicio
SHEET NO. 269	River Gas Corporation Section 32, T14S, R9E, S.L.B.&M. Carbon County, Utah Well# D-9
DRAWING NO. L-1	
SHEET 4 of 4	



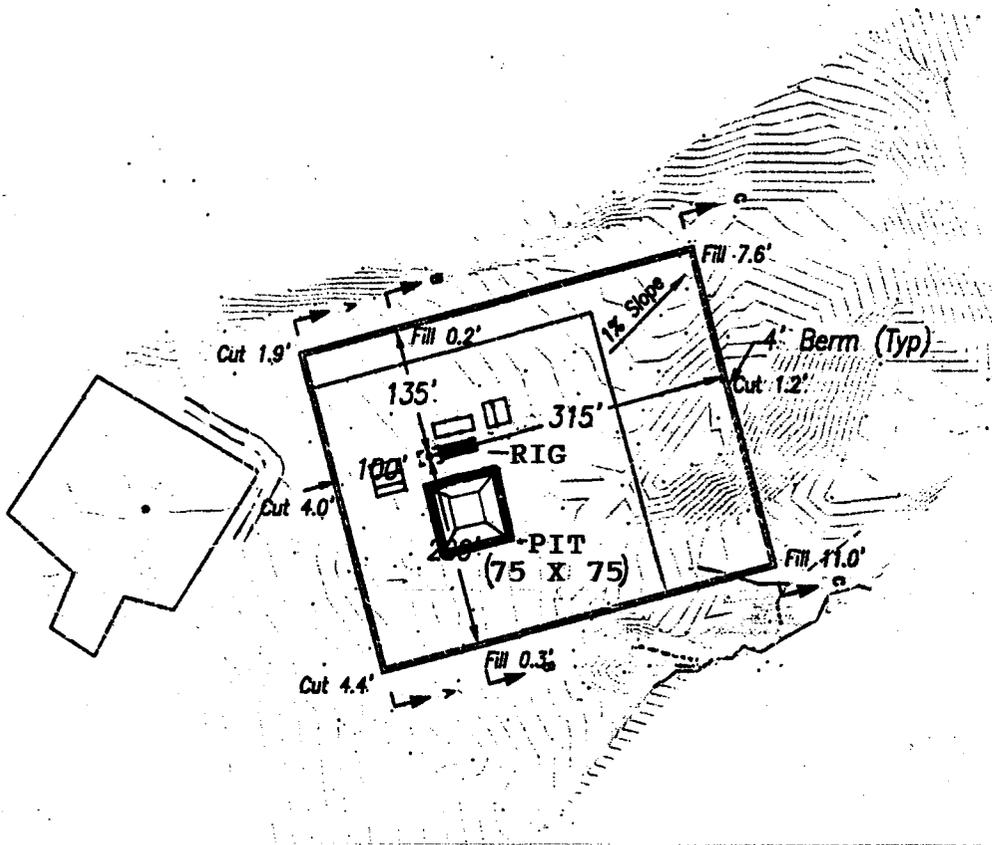
Proposed D-9

Universal Transverse Mercator
North 12
NAD83 (Conus)



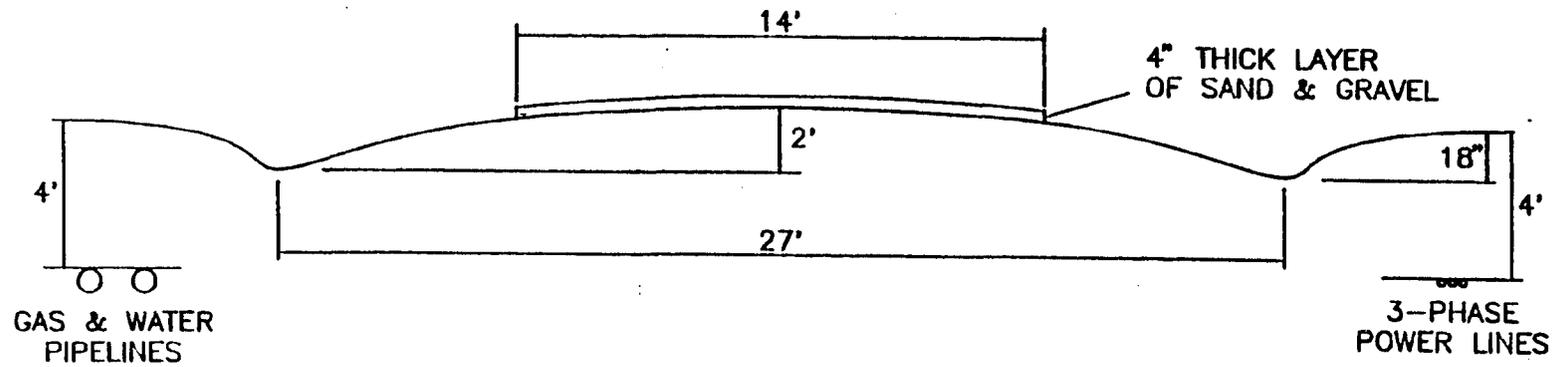
4/13/1998
Pathfinder Office™

Proposed Drilling Equipment Location Layout



DRAWN BY: P. BOYLEN	
CHECKED BY: L.W.J.	
DATE: 4/1/98	3286 South 125 West Price, Utah 84501 (801) 637-8300 FAX (801) 637-2833
SCALE: 1"=200'	Section
JOB NO. 269	River Gas Corporation Location Layout Section 32, T14S, R9E, S.L.B.&M. Carbon County, Utah
DRAWING NO. A-2	
SHEET 2 OF 4	

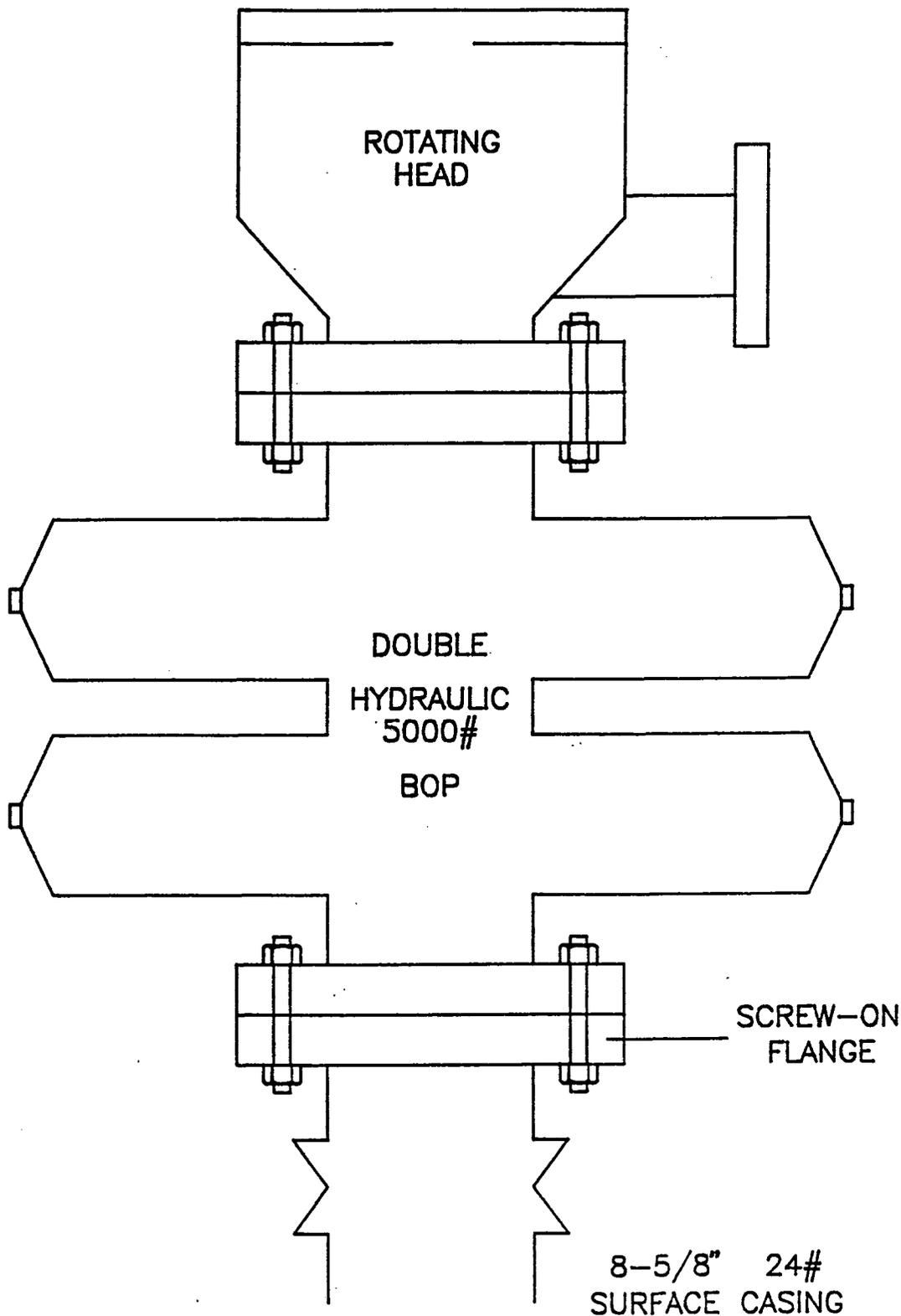
RIVER GAS CORPORATION



TYPICAL ROAD CROSS-SECTION

NOT TO SCALE

DIVERTER HEAD



WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 04/29/98

API NO. ASSIGNED: 43-007-30438

WELL NAME: UTAH D-9
 OPERATOR: RIVER GAS CORPORATION (N1605)
 CONTACT: Don Hamilton (435) 637-8876

PROPOSED LOCATION:
 SENW 32 - T14S - R09E
 SURFACE: 1960-FNL-1487-FWL
 BOTTOM: 1960-FNL-1487-FWL
 CARBON COUNTY
 DRUNKARDS WASH FIELD (048)

INSPECT LOCATION BY: 05/14/98		
TECH REVIEW	Initials	Date
Engineering	RJR	6-11-98
Geology		
Surface		

LEASE TYPE: STA
 LEASE NUMBER: ML-39915
 SURFACE OWNER: State

PROPOSED FORMATION: NAVA

RECEIVED AND/OR REVIEWED:

Plat
 Bond: Federal State Fee
 (No. #579333)

Potash (Y/N)
 Oil Shale (Y/N) *190-5(B)
 Water Permit
 (No. PRWID / Price River)

RDCC Review (Y/N)
 (Date: _____)

(St/Fee Surf Agreement (Y/N))

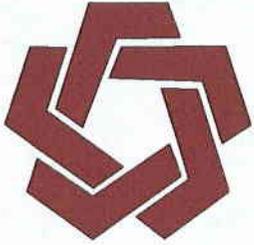
LOCATION AND SITING:

R649-2-3. Unit Drunkards Wash
 R649-3-2. General
 R649-3-3. Exception

Drilling Unit
 Board Cause No: _____
 Date: _____

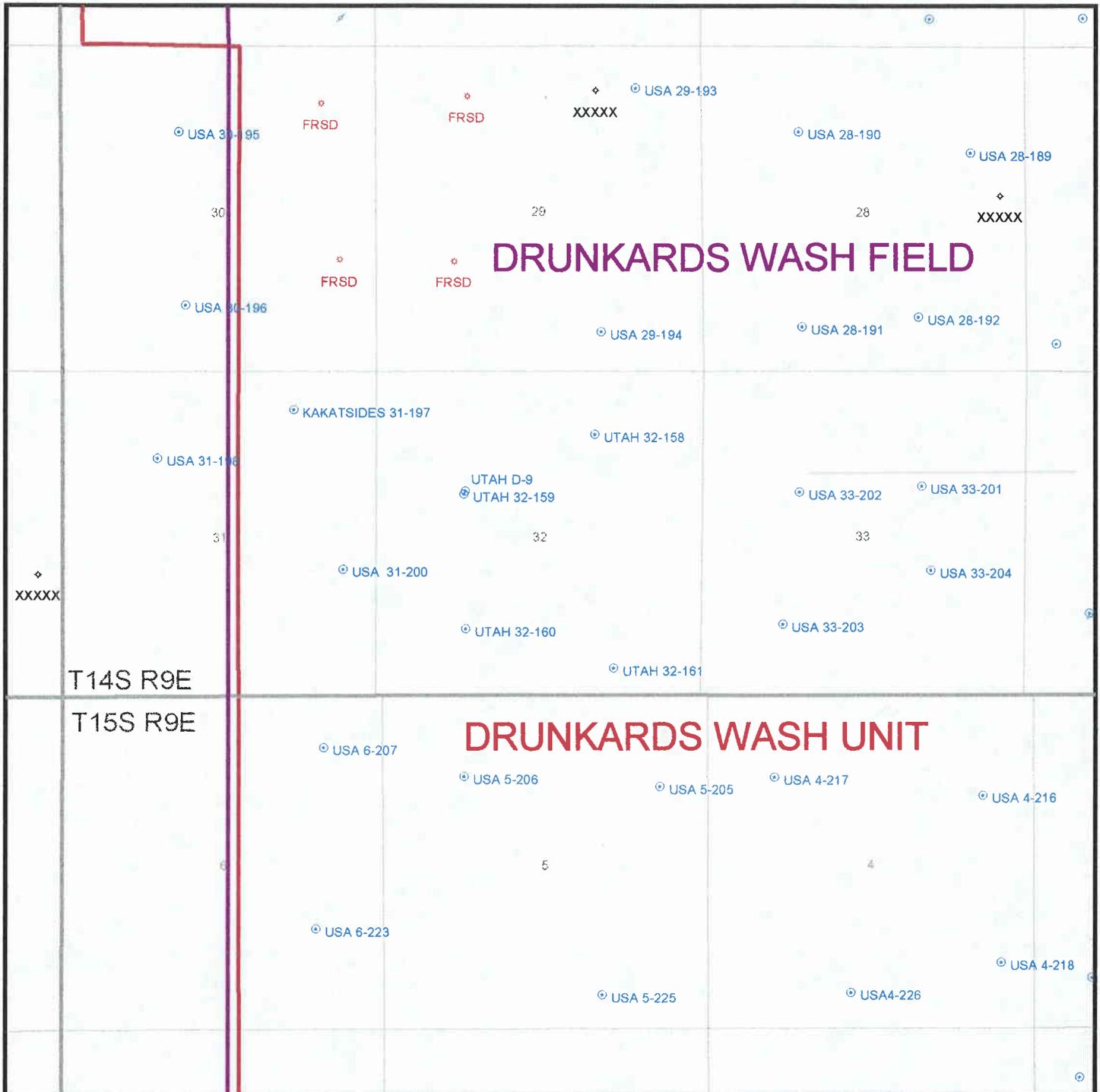
COMMENTS: *Not listed 1998 Unit POD. (Blm added to POD 6-4-98)

STIPULATIONS: ① Statement of Basis



DIVISION OF OIL, GAS & MINING

OPERATOR: RIVER GAS CORP (N1605)
FIELD: DRUNKARDS WASH (048)
SEC. 32 , T14S , R9E , & 5 T15S R9E
COUNTY: CARBON UAC: R649-2-3 DRUNKARDS WASH



DATE PREPARED:
30-APR-1998

DIVISION OF OIL, GAS AND MINING

APPLICATION FOR PERMIT TO DRILL STATEMENT OF BASIS

Operator Name: River Gas Corporation

Name & Number: Utah D-9

API Number: 43-007-30438

Location: 1/4, 1/4 NWNE Sec. 32 T. 14S R. 9E

Geology/Ground Water:

There are no aquifers with high quality ground water expected to be encountered. The silty, shaly poorly to moderately-permeable soil is developed on the Blue Gate Shale. Garley Canyon Ss. Beds of the Blue Gate Shale Member of the Mancos Shale may 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 ~3/4 mile 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 zone by extending the surface casing string as needed to protect the beds with the surface string. Extending the proposed casing and cement will adequately isolate any zones of water penetrated and protect both Garley Canyon Beds.

Reviewer: Christopher J. Kierst **Date:** 5/28/98

Surface:

There are deep canyons 1 mile northeast of the pad. The nearest moving surface waters are in Gordon Creek (3 miles north) and possibly some small ephemeral flow in upper Pinnacle Wash Drainage. 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 5/20/98. 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.

Reviewer: Christopher J. Kierst **Date:** 5/28/98

Engineering:

BOP, Mud, Casing and Cement programs are adequate.

Reviewer:

Robert J. Krueger, 6-11-98

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 amended drilling location plat.
- 4) Native clay pit liner is acceptable.
- 5) Extend surface casing as needed to contain any water in Garley Canyon Beds.
- 6) If production casing setting depth exceeds 7,900 feet, cement volumes shall be increased to ensure cement reaches surface.
- 7) Sundry Notices and/or Well Completion Reports shall include BOP Pressure Test results; API Casing Grade and other final casing specifications; liner, tubing, packer, pump system, and other well completion specifications; final cement volumes pumped and placement depths; injectivity/well testing results; and a final "as-built" well diagram.

ON-SITE PREDRILL EVALUATION

Division of Oil, Gas and Mining

OPERATOR: River Gas Corporation

WELL NAME & NUMBER: Utah D-9

API NUMBER: 43-007-30438

LEASE: State FIELD/UNIT: Drunkard's Wash

LOCATION: 1/4,1/4 SENW Sec: 32 TWP: 14S RNG: 9E 1960 FNL 1487 FWL

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

GPS COORD (UTM): X =504,970; Y =4,379,624

SURFACE OWNER: State

PARTICIPANTS

C. Kierst (DOGM), D. Hamilton (RGC), Bill Bates (DWR)

REGIONAL/LOCAL SETTING & TOPOGRAPHY

Western margin of Colorado Plateau/~4.5 miles east of Wasatch Plateau and 1.5 miles east of 400' cliffs of upper bench. Location is on the upper reaches of the lower bench (Porphyry Bench) on westward-dipping Blue Gate Mbr. of the Mancos Shale. The pad is on open ground which slopes to the east toward the Pinnacle Canyon drainage (~80' deep draw - about 700' east). The nearby land surface is moderately incised terrain with some erosional remnants topped by Quaternary / Tertiary pediment mantle.

SURFACE USE PLAN

CURRENT SURFACE USE: Grazing and habitat.

PROPOSED SURFACE DISTURBANCE: 415' X 335' pad with 75' X 75' X 12' inboard pit, ~200' approach road (and associated buried gathering system and location utilities) from the Utah 32-159 production location to the proposed D-9 location

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: 11 CBM wells.

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: none - location is ~3 miles
south of Gordon Creek, ~7 miles west of Price River and ~3/4 mile
southwest of standing water in upper Pinnacle Canyon.

FLORA/FAUNA: Greasewood, cheatgrass, bluebunch, western wheatgrass,
sagebrush, grass, rabbitbrush, pinon, juniper / birds, lizards,
coyotes, rodents, raptors, elk, deer (critical winter range),
reptiles, cougar.

SOIL TYPE AND CHARACTERISTICS: Silty, shaly (SM-SC), poor to
moderately-permeable soil developed on the Blue Gate Shale Member of
the 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: 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

As per SITLA Agreement

SURFACE AGREEMENT: See SITLA Agreement

CULTURAL RESOURCES/ARCHAEOLOGY: Archaeology surveyed; report filed.

OTHER OBSERVATIONS/COMMENTS

Bill Bates (DWR) requests mitigation for lost critical big game winter habitat by either the payment of a fee of \$272 per disturbed acre or by provision of services, to wit, the service of chaining pinon on an adjacent area in Section 32 on Pinnacle Bench (the provision of this service to comprise a mitigation bank for apportionment across several wells with a need for this type of mitigation. Seasonal closure is also requested for the period from December 1 to April 15.

ATTACHMENTS:

4 photographs taken.

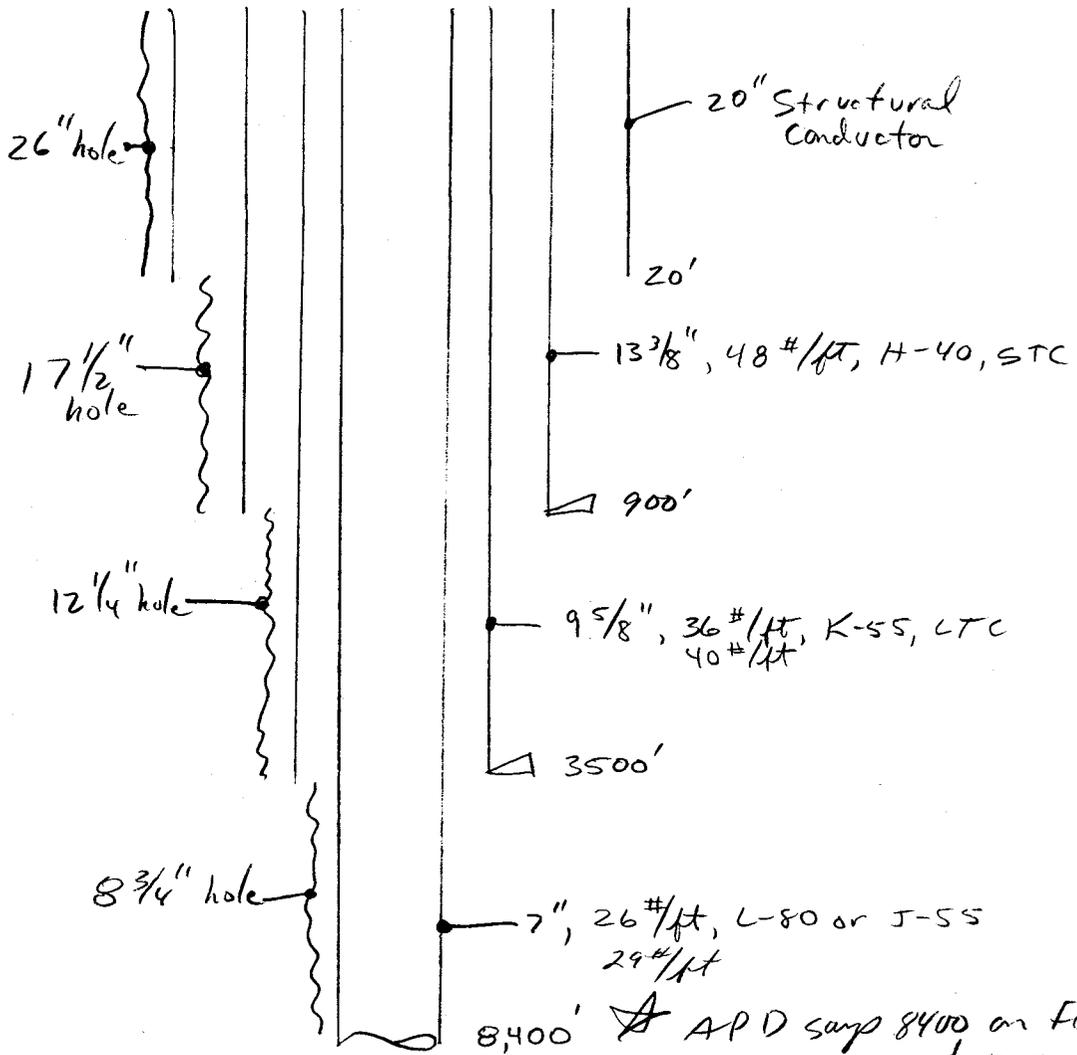
Chris Kierst
DOGM REPRESENTATIVE

5/20/98/ 12:41 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>5</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>10</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)



Conductor: $(1.5053 \text{ ft}^3/\text{ft} \times 20 \text{ ft}) \approx 30 \text{ CF} - \text{Given}$

$\frac{1}{2}$ 7900 in Drilling Plan?

Surface: $(880)(1.6946 \frac{\text{ft}^3}{\text{ft}}) + 20(1.019) = 632 \text{ CF}$; Given $(3085 \text{ KGS} \times 1.92 \frac{\text{ft}^3}{\text{K}}) + (205 \text{ K})(1.15 \text{ CF}/\text{K})$
 $821.36 \text{ CF} \approx 30\% \text{ excess}$ ✓

Intermediate: $(3500-900)(1.3132 \frac{\text{CF}}{\text{ft}}) + 900(1.3354 \frac{\text{CF}}{\text{ft}}) = 1116 \text{ CF}$; Given $(555)(1.85) + 300(1.15)$
 1372
 23% excess ✓

Production: $(8400-3500)(1.1503) + 3500(1.1668) = 1320 \text{ CF}$; Given $(75)(1.24) + 150(1.15) + 255(1.61) + 100(1.24) + 260(1.15) + 150(1.61) = 1341$
 2% excess ✓

BHP = 3600 psi \int , 433 psi/ft = 831.4 ft head.

Casing - Look e Prod. Casing on log. - OK

$(8400)(433 \text{ psi/ft}) = 3637 \text{ psi w/o inj. pressure}$

Burst Rating: 26# = $4980/3670 = 1.37 \text{ SF}$ ✓ or $\approx 1300 \text{ max inj. press.}$
 29# = $8160/3670 = 2.22 \text{ SF}$ ✓ or 4490 " " "

Joint! Assume LTC $367,000(8400)(26) = 1.68$ ✓

Coll: $4320/3637 = 1.19 \text{ SF}$ ✓

Mud: Air Drilling

BOP: 5000 psi - OK

Facsimile Transmittal

RIVER GAS CORPORATION

(435) 637-8876

(435) 637-8924

1305 South 100 East

Price, Utah 84501-9637

1-801-359-3940

Date:

5-21-98

Attention:

Chris Kiorst

From:

Don Hamilton

Number of pages (including this cover):

2

Comment(s):

Following is the updated location layout with access as revised yesterday - Please update your files.

REPLY

URGENT

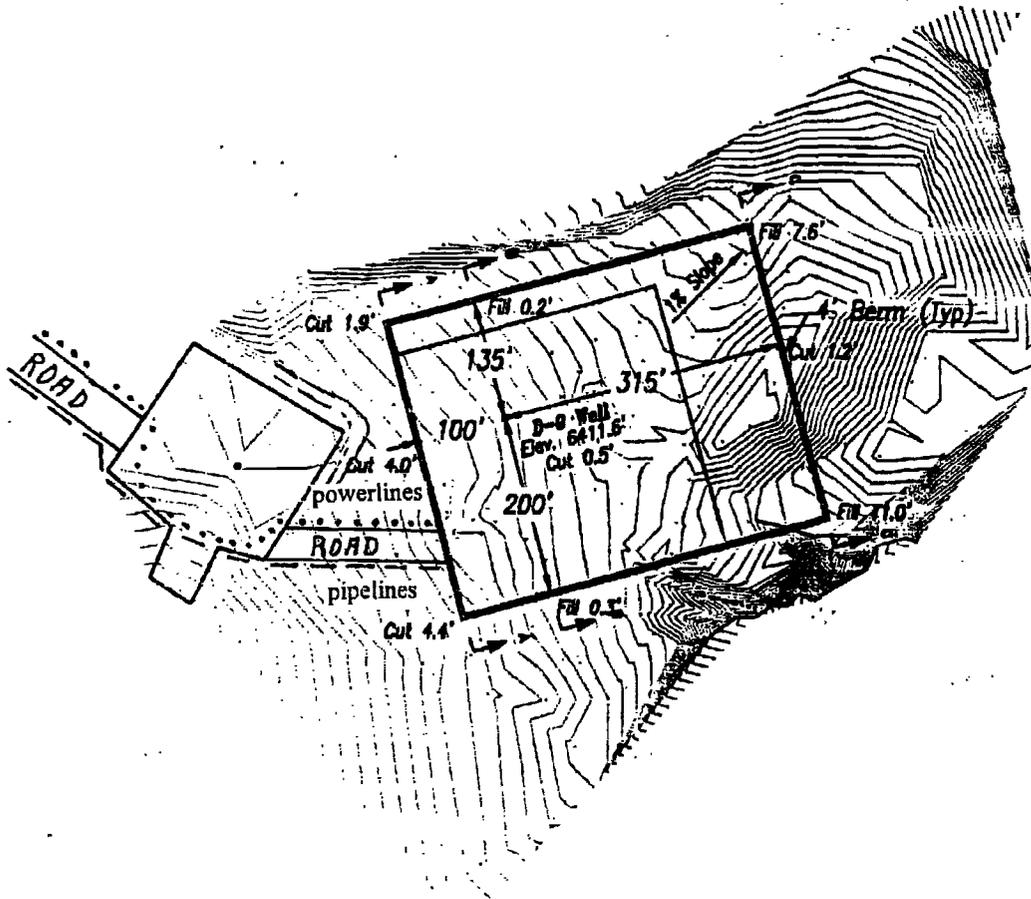
REVIEW

COMMENT

FYI

SUGGESTION

If you don't receive the full transmission, please contact the number above for assistance.



DRAWN BY P. BOYLEN	 <p>Cattle Valley 3280 South 125 West Preston, Utah 84601 (801) 637-9300 FAX (801) 637-2633</p>
CHECKED BY L.W.J.	
DATE 4/1/98	SCALE 1"=200'
SHEET NO. 269	<p>River Gas Corporation Location Layout Section 32, T14S, R9E, S1.B.&M. Carbon County, Utah</p>
PROJECT NO. A-2	
SHEET 2 of 4	



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)

June 11, 1998

River Gas Corporation
1305 South 100 East
Price, Utah 84501

Re: Utah D-9 Well, 1960' FNL, 1487' FWL, SE NW, Sec. 32,
T. 14 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 43-007-30438.

Sincerely,

A handwritten signature in cursive script 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: Utah D-9
API Number: 43-007-30438
Lease: ML-39915
Location: SE NW Sec. 32 T. 14 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 within 24 hours prior to spudding the well or commencing drilling operations. Contact Jim Thompson at (801) 538-5336.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Dan Jarvis at (801) 538-5338 or Robert Krueger at (801) 538-5274.

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).



CONFIDENTIAL

RIVER GAS CORPORATION

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

May 17, 1999

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: Request for Approved APD's Expiration Date Extensions

Dear Mr. Baza:

River Gas Corporation (RGC) requests an expiration date extension for the approved APD's listed on the following page. A one year extension would allow RGC to drill and complete these wells that have not been drilled to date, due to surface use restrictions.

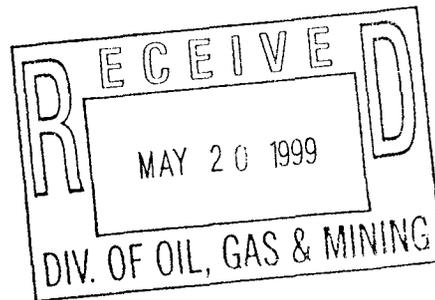
Thank you very much for your timely consideration of this request. Please feel free to contact me if you should have any questions or require additional clarification.

Sincerely,

Don S. Hamilton

Don S. Hamilton
Permit Specialist

cc: Mr. Eric Jones, BLM, Price, Utah
Mr. Chuck Snure, Texaco
Mr. Gee Lake, Jr., Dominion Resources
Mrs. Tammie Butts, RGC
RGC Well Files



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

Date: 6/1/99
By: *Bradley*

COPY SENT TO OPERATOR
Date: 6-1-99
Initials: CHD

<u>API Number</u>	<u>Well Name</u>	<u>Present Expiration Date</u>
43-007-30468	Utah 03-212	8-24-99
43-007-30381	Utah 03-213	6-11-99
43-007-30295	Utah 03-214	6-3-99
43-007-30430	Utah 06-223	6-8-99
43-007-30303	Utah 10-221	6-3-99
43-007-30423	USA 15-177	6-11-99
43-007-30422	USA 17-179	6-11-99
43-007-30425	USA 21-35	6-11-99
43-007-30424	USA 21-184	6-11-99
43-007-30426	USA 22-185	6-11-99
43-007-30477	USA 22-186	9-10-99
43-007-30405	USA 29-193	6-11-99
43-007-30427	USA 29-194	6-11-99
43-007-30389	Utah 33-204	6-11-99
43-007-30429	Utah 34-210	6-11-99
43-007-30438	Utah D-9	6-11-99

THIS ROPE Sec. 32

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

Date: 6/1/99
By: Bradley C. Hill

COPY SENT TO OPERATOR
Date: 6-1-99
Initials: CHD

FORM 9

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 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: 1960 1060' FNL, 1487' FWL

OO, Sec., T., R., M.: SE/4 NW/4 SEC. 32, T14S, R09E, SLB & M

5. Lease Designation and Serial Number:

ML-39915

6. If Indian, Alkotee or Tribe Name:

N/A

7. Unit Agreement Name:

Drunkards Wash UTU-67921X

8. Well Name and Number:

Utah

9. API Well Number:

D-9

43-007-30438

10. Field or Pool, or Wildcat:

Drunkards Wash

County: Carbon County

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 Casing Change
- 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.)

Please be advised that we are requesting a casing change on the Utah D-9. Permitted was 13 3/8" at 900' +/- . We are requesting a change to 13 3/8" at 400' +/- . All other footages and cementing program will remain the same.

Cement program:
485 sks G + 2% S1 + 1/4 #/sk D-29
Yield 1.15 cu ft/sk
WT-15.8#/gal
Total Cu. Ft.=557.75

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

COPY SENT TO OPERATOR
Date: 5-23-00
Initials: LHD

Date: 5/23/2000
By: [Signature]

13.

Name & Signature: Jean Semborski

[Signature]

Title: Permit Specialist

Date: 5/23/2000

(This space for state use only)



THE RIVER GAS CORPORATION

Main Office: 6825 South 5300 West
P.O. Box 851
Price, Utah 84501
Phone (435) 613-9777
Fax (435) 613-9782

Warehouse: 6815 South 5300 West
Price, Utah 84501

DATE: 5/23/00
TO: Mike Hebertson
COMPANY: DOGM
FAX NUMBER: _____

FROM: *The desk of Frankie Hathaway -
Administrative Assistant - Development*

FAX NUMBER: 435-613-9782

MESSAGE:

*Mike, this is the Sunday for the casing change on
the D-9. Please let me know if everything is
alright and if there are any changes to be made.*

*Thanks,
Frankie*

This transaction consists of 2 pages (s) including cover page. If you receive an incomplete transmittal or have received this transmittal in error, please call 435-613-9777. Thank you.

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	12729	43-007-30567	Sampinos D-14	NWSE	16	15S	10E	Carbon	5/5/00	5/1/00
WELL 1 COMMENTS: New single well, new spud outside PA but within Unit boundary CONFIDENTIAL <i>000518 Entity Added.</i>											
B	99999	12771	43-007-30438	Utah D-9	SENW	32	14S	09E	Carbon	5/22/00	5/1/00
WELL 2 COMMENTS: New single well, new spud outside PA but within Unit boundary CONFIDENTIAL <i>000623 Entity Added</i>											
B	99999	12772	43-015-30399	Utah 04-281	SWSW	04	16S	09E	Emery	6/15/00	5/1/00
WELL 3 COMMENTS: New single well, new spud outside PA but within Unit boundary CONFIDENTIAL <i>000623 Entity Added</i>											
B	99999	12773	43-015-30397	Utah 09-360	SWSW	09	16S	09E	Emery	6/16/00	5/1/00
WELL 4 COMMENTS: New single well, new spud outside PA but within Unit boundary CONFIDENTIAL <i>000623 Entity Added</i>											
B	99999	12774	43-015-30408	Utah 09-361	NWSE	09	16S	09E	Emery	6/18/00	5/1/00
WELL 5 COMMENTS: New single well, new spud outside PA but within Unit boundary CONFIDENTIAL <i>000623 Entity Added.</i>											

- 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.

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JUN 23 2000

DIVISION OF
 OIL, GAS AND MINING

Frankie Hathaway *Frankie Hathaway*
 Signature

Administrative Assistant 6/21/00

Title Date

Phone No. (435)613-9777

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 GAS OTHER:

CONFIDENTIAL

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:

1960' FNL, 1487' FWL

QQ, Sec., T., R., M.:

SE/4 NW/4 SEC. 32, T14S, R09E, SLB & M

5. Lease Designation and Serial Number:

ML-39915

6. If Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

Drunkards Wash UTU-67921X

8. Well Name and Number:

Utah D9

9. API Well Number:

43-007-30438

10. Field or Pool, or Wildcat:

Drunkards Wash

County: Carbon County

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 Spud Notice
- 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.)

Please be advised that the Utah D9 well was spud on 5/30/00 at 8:00 pm.
Cyclone
Dry Drill

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JUN 29 2000

DIVISION OF
OIL, GAS AND MINING

13.

Name & Signature: Frankie Hathaway *Frankie Hathaway* Title: Administrative Assistant Date: 6/21/2000

(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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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:
6825 S. 5300 W. P.O. Box 851 Price, Utah 84501 (435) 613-9777

4. Location of Well
Footages: 2060' FNL, 1487' FWL

QQ, Sec., T., R., M.: SE/4 NW/4 SEC. 32, T14S, R09E, SLB & M

5. Lease Designation and Serial Number:

ML-39915

6. If Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

Drunkards Wash UTU-67921X

8. Well Name and Number:

Utah

9. API Well Number:

D-9 43-007-30438

10. Field or Pool, or Wildcat:

Drunkards Wash

County: Carbon County

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 Well Report
- 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.

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See Attached:

CONFIDENTIAL

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JUL 06 2000

DIVISION OF
OIL, GAS AND MINING

13.

Name & Signature: Frankie Hathaway *Frankie Hathaway* Title: Administrative Assistant Date: 6/30/2000

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DRUNKARDS WASH PROJECT DAILY WELL REPORT

CONFIDENTIAL

UTAH

D9

API NO: 43-007-30438

SEW SEC: 32 TWN: 14S RNG: 09E
 COUNTY: Carbon
 ELEVATION: 6412
 DRILLING CONTRACTOR: Cyclone Drilling

SPUD TIME/DATE: 5/22/2000 8:00:00 PM
 TD TIME/DATE: 6/4/2000 8:30:00 PM
 TD DEPTH: 3539
 ON-LINE TIME/DATE:

Bit Information

Type	Size	In	Out	Hours	Rotating Hours
Tri-cone	17 1/2 in	0.00	32.00	1	0.75
Air Hammer	12 1/4in	32.00	80.00	5	4
Tri-cone	24in	0.00	40.00	5.5	5.25
Air Hammer	17 1/2in	40.00	424.00	25.5	19.5
Air Hammer	12 1/4in	407.00	2920.00	81.5	59.5

Conductor Casing

Bore Hole Size: 24in Conductor From: 0.00 To: 40.00
 Casing Description: 20in p.e. pipe Number of Joints: 2 Set @: 40.00
 Cement: ready mix cement Amount: 5.00
 Cement Report: bring in ready mix truck , dump 5yds behind conductor,

Surface Casing

Bore Hole Size: 17 1/2 Surface Casing From: 40.00 To: 424.00
 Casing Description: 13 3/8in 48# st&c Number of Joints: 9 Set @: 407.00
 Cement: G + 2%S-1 + 1/4#/sk D-29 Amount: 490.00
 Cement Report: r/up dowell, safety meeting, test lines, pump 10bbl spacer, m ix & pump cement, displace w/
 55bbl h2o, close valve @ 11:15pm 5/24/00, 25 bbl good cement to surface,

Production Casing

Bore Hole Size: Prod.Casing From: To:
 Casing Description: Number of Joints: Length:
 Lead Cement: Amount:
 Tail Cement: Amount:
 Cement Report:
 Float Equipment: Centralizers ran on:

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DIVISION OF
OIL, GAS AND MINING

Drilling Data

DAY 1 5/23/2000

CURRENT DEPTH: 29 CURRENT OPERATIONS: drilling 24in hole ROTATING HRS: 0.00
7am-6pm move on location, 6pm-8pm r/up 8pm-9pm spud in @ 8pm 5/22/00, drill 17 1/2in hole to 32ft, 9pm-11pm
pooch change to 12 1/4in bit, tih, 11pm-3am drill to 80ft w/ 12 1/4in hole, pooch, 3am-7am change to 24in tri-cone
drill to 28ft

Estimated Daily Cost: [REDACTED]

DAY 2 5/24/2000

CURRENT DEPTH: 317 CURRENT OPERATIONS: drilling 17 1/2in hole @ ROTATING HRS: 16.5
317ft
7am-8:30am drill & ream 24in hole to 40ft, 8:30am-9am set 40ft 20in conductor, 9am-11am dump ready mix
cement behind conductor, 11am-1:30pm woc, p/up 17 1/2 in hammer bit, 1:30pm-3pm work on dust pot, tih,
3pm-7:30pm drill to 114ft 17 1/2in hole, 7:30pm-8:30pm work on surface equipment, 8:30pm-7am drill 114-317ft

Estimated Daily Cost: [REDACTED]

DAY 3 5/25/2000

CURRENT DEPTH: 424 CURRENT OPERATIONS: break loose & n/up bop ROTATING HRS: 4.00
7am-11am drill 317-424ft, 11am-12pm clean hole, 12pm-5pm start tooh, hole blowing (surface gas), fill hole
w/mud, trip back to bottom, tooh, 5pm-9:30pm rih w/ 13 3/8in guide shoe + 9jts 13 3/8in casing, land casing @
407ft, 9:30pm-10pm r/up dowell, 10pm-11:15pm cement 13 3/8in casing, close valve @ 11:15pm 5/24/00,
11:15pm-7am woc.

Estimated Daily Cost: [REDACTED]

DAY 4 5/26/2000

CURRENT DEPTH: 430 CURRENT OPERATIONS: drill out cement ROTATING HRS: 0.50
7am-5:30pm n/up bop, manifold, & run blouie line, 5:30pm-7pm test bop, 7pm-2am break down hammer, 2am
-6:30am tih drill out cement,

Estimated Daily Cost: [REDACTED]

DAY 5 5/27/2000

CURRENT DEPTH: 833 CURRENT OPERATIONS: trip back to bottom ROTATING HRS: 12.0
7am-7pm drill 12 1/4in hole 430-833, 7pm-7:30pm pull up off bottom, 7:30pm-7am s/down due to hand problems,

Estimated Daily Cost: [REDACTED]

DAY 6 5/28/2000

CURRENT DEPTH: 1957 CURRENT OPERATIONS: drilling 12 1/4in hole @ ROTATING HRS: 24.0
1957ft
7am-7:30pm drill 12 1/4in hole 833-1409ft, 7:30pm-11:30pm drill 1409-1590ft, 11:30pm-7am drill 1590-1957ft,

Estimated Daily Cost: [REDACTED]

DAY 7 5/29/2000

CURRENT DEPTH: 2920 CURRENT OPERATIONS: drilling 12 1/4in hole @ ROTATING HRS: 0.00
2920ft
7am-2pm drill 12 1/4in hole 1957-2491, 2pm-4pm drill 2491-2670ft, 4pm-6pm drill 2670-2770ft, 6pm-9pm started
injecting water, drill 2770-2840ft, 9pm-10:30pm drill 2840-2862ft, 10:30pm-7am drill 2862-2920ft

Estimated Daily Cost: [REDACTED]

DAY 8 5/30/2000

CURRENT DEPTH: 2920 CURRENT OPERATIONS: finish tripping to bottom ROTATING HRS: 0.00
7am-9:30am clean hole, pull off bottom 11jts pump hole full of mud (gassing some), 9:30am -10:30am tooh,
10:30am-11:30am displace hole w/ mud, 11:30am- 4:30pm tooh, 4:30pm-7pm mix mud, p/up 12 1/4 tri-cone,
7pm-8pm tih, 8pm-10:30pm slip line on rig, 10:30pm-7am tih, load more drill pipe, tih

Estimated Daily Cost: [REDACTED]

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JUL 8 5 2000

DIVISION OF
OIL, GAS AND MINING

DAY 9 5/31/2000

CURRENT DEPTH: 2955 CURRENT OPERATIONS: mixing & pumping mud & lcm ROTATING HRS: 5.00

7am-11am wash & ream last 60ft to bottom, 11am-4pm drill 2920-2955ft, 4pm-9:30pm lost circulation, clutch went out on rig, mix & pump lcm& mud, repair clutch, pooh to 2500ft still no circulation, 9:30pm-1:30am pooh to 1000ft, 1:30am-7am mix & pump mud & lcm material to regain circulation,

Estimated Daily Cost: [REDACTED]

DAY 10 6/1/2000

CURRENT DEPTH: 2990 CURRENT OPERATIONS: drilling @ 2990 ROTATING HRS: 15.7

7am-7:30am pumping mud & lcm, regained circulation @ 7:30am, 7:30am-8am circulate hole, 8am-10am tih 20jts, 10am-10:30am circulate hole, 10:30am-11:30am tih 20jts, 11:30am-12pm circulate hole, 12pm-12:30pm tih 10jts, 12:30pm-12:45pm circulate hole, 12:45pm-3:15pm tih 1jt at a time to bottom, on bottom @ 3:15pm, 3:15pm-7pm drill 2957-2965ft, 7pm-8pm tank level dropped mix more mud & lcm, 8pm-7am drill 2965-2990ft,

Estimated Daily Cost: [REDACTED]

DAY 11 6/2/2000

CURRENT DEPTH: 3080 CURRENT OPERATIONS: drilling @3080 ROTATING HRS: 23.0

7am--10:30am drill 2990-2995ft,lost 50bbl mud, mix & pump gel + lcm, 10:30am-12pm drill 2995-3004ft, 12pm-5:30pm drill 3004-3031, 5:30am-2am drill 3031-3055ft, 2am-7am drill 3055-3080ft,

Estimated Daily Cost: [REDACTED]

DAY 12 6/3/2000

CURRENT DEPTH: 3250 CURRENT OPERATIONS: drilling @ 3250 ROTATING HRS: 21.5

7am-1:30pm drill 3080-3163ft 1:30pm-4pm lost circulation, mix & pump 4 tubs gel & lcm, 4pm-12am drill 3163-3197ft, 12am-7am drill 3197-3250ft, still losing mud mix & pump as drilling,

Estimated Daily Cost: [REDACTED]

DAY 13 6/4/2000

CURRENT DEPTH: 3415 CURRENT OPERATIONS: drilling @ 3415ft ROTATING HRS: 23.5

7am-7pm drill 3250-3340ft, mix mud as drilling, 7pm-9:30pm drill 3340-3358ft, 9:30pm-4:30am drill 3358-3390ft, 4:30am-5am work on mud pump, 5am-7am drill 3390-3415ft,

Estimated Daily Cost: [REDACTED]

DAY 14 6/5/2000

CURRENT DEPTH: 3539 CURRENT OPERATIONS: circulating on bottom ROTATING HRS: 13.5

7am-7pm drill 3415-3518ft, mix mud as drilling, 7pm-8:30pm drill 3518-3539ft,td @ 8:30pm 6/4/00, 8:30pm-12am circulate on botttom, 12am-3:30am short trip to 2500ft, 3:30am-6am circulate on bottom, 6am-7am tooh,

Estimated Daily Cost: [REDACTED]

DAY 15 6/6/2000

CURRENT DEPTH: 3545 CURRENT OPERATIONS: circulating ROTATING HRS: 0.00

7am-1pm tooh laying down drill pipe & collars, 1pm-2:30pm move equipment & wait on loggers, 2:30pm-3pm r/up loggers, 2:30pm-6pm log well, 6pm-6:30pm r/down loggers, 6:30pm-8pm r/up casing crew, 8pm-1:30am p/up float shoe, 1jt 9 5/8in csg, float collar, 20 more jts, stage tool, + 58 jts 9 5/8in csg, land casing @ 3532ft (g.l.), 1:30am-2am r/up dowell, 2am-3:55am cement 1st stage, bump plug @ 3:53am 6/6/00, 3:55am-4:15am drop bomb to open stage tool, 4:15am-7am break circulation, circulate, did not see any cement,

Estimated Daily Cost: [REDACTED]

DAY 16 6/7/2000

CURRENT DEPTH: 3533 CURRENT OPERATIONS: r/down ROTATING HRS: 0.00

7am-10am circulate hole, waiting on cement, 10am-11:25am cement 2nd stage,lost circulation 80bbl into displacement, never came back, bump plug @ 11:25am 6/6/00, 11:25am-12pm r/down dowell, 12pm-7am s/down

Estimated Daily Cost: [REDACTED]

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DIVISION OF OIL, GAS AND MINING

DAY 17 6/8/2000

CURRENT DEPTH: 3533 CURRENT OPERATIONS: no activity ROTATING HRS: 0.00
7am-2:30pm r/down beeman rig, 2:30pm-3pm r/uploggers, 3pm-6pm bond log well, cement @ 2050ft, 6pm-7am no activity,

Estimated Daily Cost: [REDACTED]

DAY 18 6/17/2000

CURRENT DEPTH: 3510 CURRENT OPERATIONS: drilling out d v tool ROTATING HRS: 0.00
moved rig in spotted pump & tank cut 9 5/8 casing & well on flang for bop to nipple up to talley tubing & 6- 4 5/8 drill colars tripped in hole tagged cement @ 2507 rigged up power swivel & pump & tank shut down for night.

Estimated Daily Cost: [REDACTED]

DAY 19 6/18/2000

CURRENT DEPTH: 0 CURRENT OPERATIONS: closed well in for night ROTATING HRS: 0.00
started drilling cement @ 2507 drilled to 2560 bit stop cutting tripped out changed bits tripped in hole with 8 3/4 bit tagged cement @ 2575 drilled to d.v. tool drilled out, tripped to bottom @ 3468 started out laying down 25 jts. Closed well in for night.

Estimated Daily Cost: [REDACTED]

DAY 20 6/19/2000

CURRENT DEPTH: 0 CURRENT OPERATIONS: none ROTATING HRS: 0.00
finish laying down tubing on trailer & 6 drill collars rigged down rig pump & tank & moved rig

Estimated Daily Cost: [REDACTED]

DAY 21 6/28/2000

CURRENT DEPTH: 3510 CURRENT OPERATIONS: r/up ROTATING HRS: 0.00
7am-7pm moving on location & r/up cyclone

Estimated Daily Cost: [REDACTED]

DAY 22 6/29/2000

CURRENT DEPTH: 3510 CURRENT OPERATIONS: drilling ROTATING HRS: 0.00
7am-1pm rigging up nipped up bop. 1pm-3:30pm pressure test, 3:30pm-5:30pmdrill rat hole & mouse hole, 5:30pm-7pm pressure test, 7pm-9:15pm tested bop, 9:15pm-7am picked up 18 drill colars & drill pipe started drilling @ 7am on cement.

Estimated Daily Cost: [REDACTED]

Cum. Estimated Daily Cost: [REDACTED]

Frac Data

Completion Data

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JUN 28 2000

DIVISION OF OIL, GAS AND MINING

RGCC
RIVER GAS CORPORATION

August 22, 2000

Mr. Chris Kierst
Utah Division of Oil, Gas, and Mining
1594 West North Temple
Salt Lake City, Utah 84114

RE: Geologic information regarding Class II injection application for Utah well #D-9,
Carbon County, Utah

Dear Mr. Kierst:

The purpose of this letter is to provide the geologic information for River Gas Corporation's disposal well Utah # D-9 as requested in R649-5-2.10 of the Utah Administrative Code for natural resources. The formation tops within D-9, located in the NW/4 of Section 32, T14S, R9E, are as follows:

Formation	Top
Mancos Shale	Surface
Ferron Sandstone	2781'
Tununk Shale	3070'
Dakota Sandstone	3444'
Cedar Mountain	3472'
Morrison Formation	4314'
Summerville Formation	4816'
Curtis Sandstone	5260'
Entrada Sandstone	5416'
Carmel Sandstone	6602'
Navajo Sandstone	7203'
Kayenta Formation	7500'
Wingate Sandstone	7652'
Chinle Shale	8040'

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Description of Injection Zones Within Well D-9

As you are aware, the injection intervals are located in the following lithologic units:

Formation	Gross Thickness (feet)	Gross Perforated Interval	Description
Navajo Sandstone	297	7203-7500	V. fine gr, lt tan-orange, cross-bedded
Kayenta Form.	152	7510-7528	V. fine gr ss and siltstone
Wingate Sandstone	388	7652-7716	V. fine gr, orange-brown, cross-bedded

All of the above units are located within the Jurassic-aged Glen Canyon Group.

Confining Units

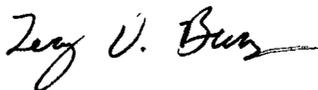
The upper confining unit of the injection interval is the Carmel Formation (top depth at 6002', gross thickness of approximately 600'), which is composed of silty sandstone, shale, limestone, and some anhydrite. Two major anhydrite zones, located at 6802-6810 and 6884-6918, exhibit higher minimum horizontal stresses than the injection interval. Therefore, these zones act as barriers to any uphole fracture migration.

The lower confining unit of the injection interval is the Chinle Shale at 8040'.

Also enclosed for your review is an updated cross-section which incorporates the D-9 well, along with a Navajo Structure map.

Please call me if you have any questions.

Sincerely,



Terry D. Burns

Geologist

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: ML-39915
2. Name of Operator: River Gas Corporation		6. If Indian, Allottee or Tribe Name: N/A
3. Address and Telephone Number: 6825 S. 5300 W. P.O. Box 851 Price, Utah 84501 (435) 613-9777		7. Unit Agreement Name: Drunkards Wash UTU-67921X
4. Location of Well Footages: 1060' FNL, 1487' FWL QQ, Sec., T., R., M.: SE/4 NW/4 SEC. 32, T14S, R09E, SLB & M		8. Well Name and Number: Utah
		9. API Well Number: D-9 43-007-30438
		10. Field or Pool, or Wildcat: Drunkards Wash
		County: Carbon County State: Utah

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>Well Report</u> Date of work completion _____
<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

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.)

See Attached:

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SEP 08 2000

DIVISION OF
OIL, GAS AND MINING

ORIGINAL

13.

Name & Signature: Frankie Hathaway *Frankie Hathaway* Title: Administrative Assistant Date: 9/6/2000

(This space for state use only)

DRUNKARDS WASH PROJECT DAILY WELL REPORT

UTAH

D9

API NO: 43-007-30438

SENW SEC: 32 TWN: 14S RNG: 09E
 COUNTY: Carbon
 ELEVATION: 6412
 DRILLING CONTRACTOR: Cyclone Drilling

SPUD TIME/DATE: 5/22/00 8:00:00 PM
 TD TIME/DATE: 7/25/00 3:45:00 PM
 TD DEPTH: 8082
 ON-LINE TIME/DATE:

Bit Information

Type	Size	In	Out	Hours	Rotating Hours
Tri-cone	17 1/2 in	0.00	32.00	1	0.75
Air Hammer	12 1/4in	32.00	80.00	5	4
Tri-cone	24in	0.00	40.00	5.5	5.25
Air Hammer	17 1/2in	40.00	424.00	25.5	19.5
Air Hammer	12 1/4in	407.00	2920.00	81.5	59.5

Conductor Casing

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 Casing Description: 20in p.e. pipe Number of Joints: 2 Set @: 40.00
 Cement: ready mix cement Amount: 5.00
 Cement Report: bring in ready mix truck , dump 5yds behind conductor,

Surface Casing

Bore Hole Size: 17 1/2 Surface Casing From: 40.00 To: 424.00
 Casing Description: 13 3/8in 48# st&c Number of Joints: 9 Set @: 407.00
 Cement: G + 2%S-1 + 1/4#/sk D-29 Amount: 490.00
 Cement Report: r/up dowell, safety meeting, test lines, pump 10bbl spacer, mix & pump cement, displace w/ 55bbl h2o, close valve @ 11:15pm 5/24/00, 25 bbl good cement to surface,

Production Casing

Bore Hole Size: 8 3/4 Prod. Casing From: 3490.00 To: 8082.00
 Casing Description: 7in 26# j-55 Number of Joints: 196 Length: 8041.00
 Lead Cement: 50/50 POZ, 8%D20, 10%D44, 2%S001, 1/4#/sk D29 Amount:
 Tail Cement: 10-1 RFC Amount:
 Cement Report: r/up dowell, safety meeting, test lines, pump cwr, spacer, mix & pump 80sks lead, 375 tail, displace w/305bbl mud, bump plug @ 1:30am 7/28/00, circulate 7.5 hrs, start second stage, mix & pump 680sks lead & 65 sks tail , diplace w/mud bump plug @ 9:30am 7/28/00, drop bomb & open tool, circulate while woc, start third stage mix & pump 290sks 50/50 poz, displace w/ h2o, bump plug @ 3:55pm 7/28/00, 20 bbl good cement to surface,

Float Equipment: 7in floatshoe, float collar, Centralizers ran on: 17 ran,

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Drilling Data

DAY 1 5/23/00

CURRENT DEPTH: 29 CURRENT OPERATIONS: drilling 24in hole ROTATING HRS: 0.00
7am-6pm move on location, 6pm-8pm r/up 8pm-9pm spud in @ 8pm 5/22/00, drill 17 1/2in hole to 32ft, 9pm-11pm
pooch change to 12 1/4in bit, tih, 11pm-3am drill to 80ft w/ 12 1/4in hole, pooch, 3am-7am change to 24in tri-cone
drill to 28ft

Estimated Daily Cost: [REDACTED]

DAY 2 5/24/00

CURRENT DEPTH: 317 CURRENT OPERATIONS: drilling 17 1/2in hole @ ROTATING HRS: 16.5
317ft

7am-8:30am drill & ream 24in hole to 40ft, 8:30am-9am set 40ft 20in conductor, 9am-11am dump ready mix
cement behind conductor, 11am-1:30pm woc, p/up 17 1/2 in hammer bit, 1:30pm-3pm work on dust pot, tih,
3pm-7:30pm drill to 114ft 17 1/2in hole, 7:30pm-8:30pm work on surface equipment, 8:30pm-7am drill 114-317ft

Estimated Daily Cost: [REDACTED]

DAY 3 5/25/00

CURRENT DEPTH: 424 CURRENT OPERATIONS: break loose & n/up bop ROTATING HRS: 4.00

7am-11am drill 317-424ft, 11am-12pm clean hole, 12pm-5pm start tooh, hole blowing (surface gas), fill hole
w/mud, trip back to bottom, tooh, 5pm-9:30pm rih w/ 13 3/8in guide shoe + 9jts 13 3/8in casing, land casing @
407ft, 9:30pm-10pm r/up dowell, 10pm-11:15pm cement 13 3/8in casing, close valve @ 11:15pmn 5/24/00,
11:15pm-7am woc.

Estimated Daily Cost: [REDACTED]

DAY 4 5/26/00

CURRENT DEPTH: 430 CURRENT OPERATIONS: drill out cement ROTATING HRS: 0.50

7am-5:30pm n/up bop, manifold, & run blouie line, 5:30pm-7pm test bop, 7pm-2am break down hammer, 2am
-6:30am tih drill out cement,

Estimated Daily Cost: [REDACTED]

DAY 5 5/27/00

CURRENT DEPTH: 833 CURRENT OPERATIONS: trip back to bottom ROTATING HRS: 12.0

7am-7pm drill 12 1/4in hole 430-833, 7pm-7:30pm pull up off bottom, 7:30pm-7am s/down due to hand problems,

Estimated Daily Cost: [REDACTED]

DAY 6 5/28/00

CURRENT DEPTH: 1957 CURRENT OPERATIONS: drilling 12 1/4in hole @ ROTATING HRS: 24.0
1957ft

7am-7:30pm drill 12 1/4in hole 833-1409ft, 7:30pm-11:30pm drill 1409-1590ft, 11:30pm-7am drill 1590-1957ft,

Estimated Daily Cost: [REDACTED]

DAY 7 5/29/00

CURRENT DEPTH: 2920 CURRENT OPERATIONS: drilling 12 1/4in hole @ ROTATING HRS: 0.00
2920ft

7am-2pm drill 12 1/4in hole 1957-2491, 2pm-4pm drill 2491-2670ft, 4pm-6pm drill 2670-2770ft, 6pm-9pm started
injecting water, drill 2770-2840ft, 9pm-10:30pm drill 2840-2862ft, 10:30pm-7am drill 2862-2920ft

Estimated Daily Cost: [REDACTED]

DAY 8 5/30/00

CURRENT DEPTH: 2920 CURRENT OPERATIONS: finish tripping to bottom ROTATING HRS: 0.00

7am-9:30am clean hole, pull off bottom 11jts pump hole full of mud (gassing some), 9:30am -10:30am tooh,
10:30am-11:30am displace hole w/ mud, 11:30am- 4:30pm tooh, 4:30pm-7pm mix mud, p/up 12 1/4 tri-cone,
7pm-8pm tih, 8pm-10:30pm slip line on rig, 10:30pm-7am tih, load more drill pipe, tih

Estimated Daily Cost: [REDACTED]

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DAY 9 5/31/00

CURRENT DEPTH: 2955 CURRENT OPERATIONS: mixing & pumping mud & lcm ROTATING HRS: 5.00

7am-11am wash & ream last 60ft to bottom, 11am-4pm drill 2920-2955ft, 4pm-9:30pm lost circulation, clutch went out on rig, mix & pump lcm & mud, repair clutch, pooh to 2500ft still no circulation, 9:30pm-1:30am pooh to 1000ft, 1:30am-7am mix & pump mud & lcm material to regain circulation,

Estimated Daily Cost:

DAY 10 6/1/00

CURRENT DEPTH: 2990 CURRENT OPERATIONS: drilling @ 2990 ROTATING HRS: 15.7

7am-7:30am pumping mud & lcm, regained circulation @ 7:30am, 7:30am-8am circulate hole, 8am-10am tih 20jts, 10am-10:30am circulate hole, 10:30am-11:30am tih 20jts, 11:30am-12pm circulate hole, 12pm-12:30pm tih 10jts, 12:30pm-12:45pm circulate hole, 12:45pm-3:15pm tih 1jt at a time to bottom, on bottom @ 3:15pm, 3:15pm-7pm drill 2957-2965ft, 7pm-8pm tank level dropped mix more mud & lcm, 8pm-7am drill 2965-2990ft,

Estimated Daily Cost:

DAY 11 6/2/00

CURRENT DEPTH: 3080 CURRENT OPERATIONS: drilling @ 3080 ROTATING HRS: 23.0

7am--10:30am drill 2990-2995ft, lost 50bbl mud, mix & pump gel + lcm, 10:30am-12pm drill 2995-3004ft, 12pm-5:30pm drill 3004-3031, 5:30am-2am drill 3031-3055ft, 2am-7am drill 3055-3080ft,

Estimated Daily Cost:

DAY 12 6/3/00

CURRENT DEPTH: 3250 CURRENT OPERATIONS: drilling @ 3250 ROTATING HRS: 21.5

7am-1:30pm drill 3080-3163ft 1:30pm-4pm lost circulation, mix & pump 4 tubs gel & lcm, 4pm-12am drill 3163-3197ft, 12am-7am drill 3197-3250ft, still losing mud mix & pump as drilling,

Estimated Daily Cost:

DAY 13 6/4/00

CURRENT DEPTH: 3415 CURRENT OPERATIONS: drilling @ 3415ft ROTATING HRS: 23.5

7am-7pm drill 3250-3340ft, mix mud as drilling, 7pm-9:30pm drill 3340-3358ft, 9:30pm-4:30am drill 3358-3390ft, 4:30am-5am work on mud pump, 5am-7am drill 3390-3415ft,

Estimated Daily Cost:

DAY 14 6/5/00

CURRENT DEPTH: 3539 CURRENT OPERATIONS: circulating on bottom ROTATING HRS: 13.5

7am-7pm drill 3415-3518ft, mix mud as drilling, 7pm-8:30pm drill 3518-3539ft, td @ 8:30pm 6/4/00, 8:30pm-12am circulate on bottom, 12am-3:30am short trip to 2500ft, 3:30am-6am circulate on bottom, 6am-7am tooh,

Estimated Daily Cost:

DAY 15 6/6/00

CURRENT DEPTH: 3545 CURRENT OPERATIONS: circulating ROTATING HRS: 0.00

7am-1pm tooh laying down drill pipe & collars, 1pm-2:30pm move equipment & wait on loggers, 2:30pm-3pm r/up loggers, 2:30pm-6pm log well, 6pm-6:30pm r/down loggers, 6:30pm-8pm r/up casing crew, 8pm-1:30am p/up float shoe, 1jt 9 5/8in csg, float collar, 20 more jts, stage tool, + 58 jts 9 5/8in csg, land casing @ 3532ft (g.l.), 1:30am-2am r/up dowell, 2am-3:55am cement 1st stage, bump plug @ 3:53am 6/6/00, 3:55am-4:15am drop bomb to open stage tool, 4:15am-7am break circulation, circulate, did not see any cement,

Estimated Daily Cost:

DAY 16 6/7/00

CURRENT DEPTH: 3533 CURRENT OPERATIONS: r/down ROTATING HRS: 0.00

7am-10am circulate hole, waiting on cement, 10am-11:25am cement 2nd stage, lost circulation 80bbl into displacement, never came back, bump plug @ 11:25am 6/6/00, 11:25am-12pm r/down dowell, 12pm-7am s/down

Estimated Daily Cost:

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DAY 17 6/8/00

CURRENT DEPTH: 3533 CURRENT OPERATIONS: no activity ROTATING HRS: 0.00
7am-2:30pm r/down beeman rig, 2:30pm-3pm r/uploggers, 3pm-6pm bond log well, cement @ 2050ft, 6pm-7am no activity,

Estimated Daily Cost: [REDACTED]

DAY 18 6/17/00

CURRENT DEPTH: 3510 CURRENT OPERATIONS: drilling out d v tool ROTATING HRS: 0.00
moved rig in spotted pump & tank cut 9 5/8 casing & well on flang for bop to nipple up to talley tubing & 6- 4 5/8 drill colars tripped in hole tagged cement @ 2507 rigged up power swivel & pump & tank shut down for night.

Estimated Daily Cost: [REDACTED]

DAY 19 6/18/00

CURRENT DEPTH: 0 CURRENT OPERATIONS: closed well in for night ROTATING HRS: 0.00
started drilling cement @ 2507 drilled to 2560 bit stop cutting tripped out changed bits tripped in hole with 8 3/4 bit tagged cement @ 2575 drilled to d.v. tool drilled out, tripped to bottom @ 3468 started out laying down 25 jts. Closed well in for night.

Estimated Daily Cost: [REDACTED]

DAY 20 6/19/00

CURRENT DEPTH: 0 CURRENT OPERATIONS: none ROTATING HRS: 0.00
finish laying down tubing on trailer & 6 drill collars rigged down rig pump & tank & moved rig

Estimated Daily Cost: [REDACTED]

DAY 21 6/28/00

CURRENT DEPTH: 3510 CURRENT OPERATIONS: r/up ROTATING HRS: 0.00
7am-7pm moving on location & r/up cyclone

Estimated Daily Cost: [REDACTED]

DAY 22 6/29/00

CURRENT DEPTH: 3510 CURRENT OPERATIONS: drilling ROTATING HRS: 0.00
7am-1pm rigging up nipped up bop. 1pm-3:30pm pressure test, 3:30pm-5:30pmdrill rat hole & mouse hole, 5:30pm-7pm pressure test, 7pm-9:15pm tested bop, 9:15pm-7am picked up 18 drill colars & drill pipe started drilling @ 7am on cement.

Estimated Daily Cost: [REDACTED]

DAY 23 6/30/00

CURRENT DEPTH: 3781 CURRENT OPERATIONS: drilling ROTATING HRS: 22.0
7am-8:45am drilling 45 ft. of cement & float shoe, 8:45am-11:30am break in bit drilling @ 3560-3591, 11:30am-12pm making connection fill up rig & service, 12pm-7pm drilling @ 3591-3655, 7pm-4:15am driing @ 3655-3749, 4:15am-4:30am service rig, 4:30am-7am drilling @ 3749-3781, mud weight - 8.6 (dumped shaker), vis.- 43, fluid loss-9, weight on bit-26000, rpm-66, pump pressure-1000 psi.

Estimated Daily Cost: [REDACTED]

DAY 24 7/1/00

CURRENT DEPTH: 4034 CURRENT OPERATIONS: drilling@ 4034 ROTATING HRS: 0.00
7am-12:30pm drilling @ 3781-3843, 12:30pm- 1pm deviation survey & service rig, @ 3801, 1pm-7pm drilling @ 3843-3905, clean shale shaker, 7pm-2:45am drilling from 3905-3999, 2:45-3am service rig, 3am-7am drilling @ 3999-4034, mud weight -8.5, vis- 47, fluid loss-8.6, weight on bit 26/34, rpm-66, pump pressure-1000 psi,

Estimated Daily Cost: [REDACTED]

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DAY 25 7/2/00

CURRENT DEPTH: 4243 CURRENT OPERATIONS: tripping out hole in drill pipe ROTATING HRS: 23.0
7:am-2pm drilling @ 4034-4092, 2pm-2:30pm wire line survey & rig service (survey 3/4 degree), 2:30am-7pm
drilling @ 4092-4131, 7am-3:45am drilling @ 4131-4215, 3:45am- 4am service rig, 4:am-6:15am drilling @
4215-4243, 6:15am-6:30am pumped flag hit @ 4 min., 6:30am-7am tripping out, hole in drill pipe. Mud weight-8.6,
vis.-46, fluid loss- 8.6, weight on bit- 28/36, rpm-66, pump pressure-1000.

Estimated Daily Cost:

DAY 26 7/3/00

CURRENT DEPTH: 4415 CURRENT OPERATIONS: drilling ROTATING HRS: 19.0
7am-9:15am tripped out of hole with 28 stand of dill pipe tohole @ 2510, 9:15am-9:30am serviced rig,
9:30am-10:30am tripped back in hole (no fill), 10:30am-7pm drilling @ 4334-4330, 7pm-8:45pm drilling @
4330-4340, 8:45pm-9:15pm survey 1 1/2 degree off @ 4340 took weight off of bit from 36000 to 34000, 9:15
pm-1:45am drilling @ 4340-4371, 1:45am-2am serviced rig, 2am-7am drilling @ 4371-4415. Mud weight-8.7,
vis.-45, fluid loss-8.4, weight on bit-32/34, rpm-66, pump pressure-1050.

Estimated Daily Cost:

DAY 27 7/4/00

CURRENT DEPTH: 4563 CURRENT OPERATIONS: drilling ROTATING HRS: 9.00
7am-4:15pm drilling @ 4413-4473, 4:15pm-7pm dropped survey & tripped out of hole changed bit survey did not
take, 7pm-10pm tripped in hole with #2 bit (f-35) 10pm-3am drilling @ 4472-4527, 3am-3:30am survey 3/4
degree, 3:30am-6:30am-6:45am rig service, 6:45am-7am drilling @ 4559-4563. Mud weight-8.8, vis.-45, weight
on bit 36/42, rpm 66, pump pressure- 1150, fluid loss-8.2,

Estimated Daily Cost:

DAY 28 7/5/00

CURRENT DEPTH: 4772 CURRENT OPERATIONS: drilling ROTATING HRS: 22.7
7am-9:45am drilling @ 4563-4590, 9:45am-10am rig service, 10am-7pm drilling @ 4590-4683, 7pm-3:15am drilling
@ 4683-4745, 3:15am-3:30am rig service, 3:30am-7am drilling @ 4745-4772, dumped shale shacker @
3:30am-4am, & 10pm-10:30pm, weight on bit 42000, weight of mud 8.6, vis. 46, fluid loss 86, rpm 66, pump
pressure 1150

Estimated Daily Cost:

DAY 29 7/6/00

CURRENT DEPTH: 4907 CURRENT OPERATIONS: drilling ROTATING HRS: 22.2
7-7:45am drlg 4772-4777', 7:45-8am rig serv., 8am-11:45pm drlg 4777-4870', 11:45pm-12:15am sht @ 4827, 2
deg., 12:15-1am R&R comp oiler chain and sprocket, rig serv., 1:15-7am drlg 4870-4907', drop SAP @ 1:15am
and @ each following connection.

Rotation: 66 RPM
Pump press.: 1200 psi
MW: 8.9 ppg
Fun Visc: 54
WOB: 38,000# (ROP 6 ft/min @ 42,000#, 8 ft/min @ 38,000#)

Estimated Daily Cost:

DAY 30 7/7/00

CURRENT DEPTH: 5071 CURRENT OPERATIONS: drilling ROTATING HRS: 22.5
7am-3pm drilling 4907-4965' - 39,000#, 3-3:30pm BOP test, rig service, 3:30-12:45am drilling 4965-5028',
12:45-1:15am rig service, 1:15-1:45am R&R gear chain & comp oiler chain, 1:45-7am drilling 5028-5071'.

Rotation: 66 RPM
Pump Press.: 1300 psi
MW: 8.8 ppg
Fun Visc. : 43
WOB: 39,000#

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DAY 31 7/8/00

CURRENT DEPTH: 5237 CURRENT OPERATIONS: drilling ROTATING HRS: 21.0
7am-2pm drill 5071-5123', 2-2:30pm survey @ 5079', 1 deg, BOP test, rig serv, 2:30-7pm drill 5123-5155',
7pm-4am drill 5155-5217', 4-4:15am rig serv, 4:15-7am drill 5217-5237'.

Rotation: 66 RPM
Pump Press.: 1275 psi
MW: 8.9 ppg
Fun Visc: 42
WOB: 40,000#

Estimated Daily Cost: ██████████

DAY 32 7/9/00

CURRENT DEPTH: 5358 CURRENT OPERATIONS: drilling ROTATING HRS: 16.0
7am-2:15pm drill 5237-5279', 2:15-2:30pm BOP test, rig serv, 2:30-4pm drill 5279-5290', 4-4:15pm stand kelley
back, 4:15-7pm POOH 49 stands, 1 double, 21 collars, 7-7:30pm BOP test, rig serv, 7:30-9pm RIH Smith F35
ser#LR880,2-12's, 1-13, collars, and 3 more collars, 9-10pm CDL 120', 10-11:30pm RIH, LD 4 joints, 11-12am W
& R 50' to bottom, no fill, 12-7am drill 5290-5358' (break bit in).

Rotation: 70 RPM
Pump Press: 1225 rpm
MW: 8.9 ppg
Fun Visc: 44
WOB: 45,000#

Estimated Daily Cost: ██████████

DAY 33 7/10/00

CURRENT DEPTH: 5569 CURRENT OPERATIONS: drilling @ 5569ft ROTATING HRS: 23.5
7am-11:30am drill 5356-5403ft, 11:30am-11:45am service rig, 11:435am-3pm drill 5403-5434ft, 3pm-11:30pm drill
5434-5500ft, (mud logger started logging @ 5500ft), 11:30pm-11:45pm service rig, 11:45pm-7am drill 5500-5569ft
mud wt 8.9 ppg, visc 47, fl 7.4, wt on bit 46-48000, pump psi 1250, rpm 66, 211ft in 23.5hrs 8.9ft hr

Estimated Daily Cost: ██████████

DAY 34 7/12/00

CURRENT DEPTH: 5689 CURRENT OPERATIONS: drilling @ 5689ft ROTATING HRS: 22.0
7am-5:15pm drill 5570-5622ft, 5:15pm-5:30pm service rig check bop, 5:30pm-5:45pm drop survey misrun,
5:45pm-7pm drill 5622-5664ft, 7pm-10pm drill 5664-5684ft, 10pm-10:30pm drop survey misrun clock failure,
10:30pm-11:15pm drill 5684-5689ft, 11:15pm-12am drop survey 4 deg @ 5638ft, 12am-3:45am back off wt, speed
up rotation, drill 5689-5714ft, 3:45am-4am drop survey 3 1/2 deg @ 5668ft, 4am-7am drill 5714-5730ft,
mud wt 9#, visc 43, floss 6.8, wt on bit, 35000, pumppsi 1300, rpm 70,

Estimated Daily Cost: ██████████

DAY 35 7/12/00

CURRENT DEPTH: 5863 CURRENT OPERATIONS: drilling @ 5863ft ROTATING HRS: 23.2
7am-4pm drill 5730-5776ft, 4pm-4:15pm drop survey 2 3/4deg @ 5730ft, 4:15-4:30pm service rig, 4:30pm-7pm drill
5776-5793ft, 7pm-11pm drill 5793-5816ft, 11pm-2:30am drill 5816-5838ft, 2:30am-2:45am take survey 2deg @
5792ft, 3:15am-7am drill 5838-5863ft,
wt on bit 42000, pump psi 1300, rpm 70, mud wt 9#, visc 43, fl 6.8

Estimated Daily Cost: ██████████

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DAY 36 7/13/00

CURRENT DEPTH: 5990 CURRENT OPERATIONS: drilling @ 5990ft ROTATING HRS: 15.5

7am-8am drill 5863-5869ft, 8am-8:15am drop survey 2deg @ 5823ft, 8:15am-11:15am tooth f/ bit, 11:15am-11:30am check bop, 11:30am-2:30am p/up smith f4 tri-cone s# lx6689, jetted w/ 12, 13, 13, tih, 2:30pm-3pm wash to bottom 3ft fill, 3pm-6:30pm drill 5869-5864 breaking in bit, 6:30pm-6:45pm service rig, 6:45pm-9:30pm drill 5864-5620ft, 9:30pm-2:15am drill 5620-5955ft, 2:15am-2:30am service rig, 2:30am-7am drill 5955-5990ft,

mud wt 9.1#, visc 43, fl 7, wt on bit 45000, pump psi 1300, rpm 70,

Estimated Daily Cost: [REDACTED]

DAY 37 7/14/00

CURRENT DEPTH: 6140 CURRENT OPERATIONS: drilling @ 6140ft ROTATING HRS: 23.0

7am-4pm drill 5990-6047ft, 4pm-4:30pm drop survey 2deg @ 6003, 4:30pm-4:45pm service rig, 4:45pm-7pm drill 6047-6062ft, 7pm-2am drill 6062-6109ft, 2am-2:15am service rig, 2:15am-7am drill 6109-6140ft

mud wt 9.2#, visc 44, fl 7.6, wt on bit 48000, rpm 70

Estimated Daily Cost: [REDACTED]

DAY 38 7/15/00

CURRENT DEPTH: 6262 CURRENT OPERATIONS: drilling @ 6262ft, ROTATING HRS: 13.5

7am-3:30pm drill 6140-6203ft, 3:30pm-3:45pm service rig, 3:45pm-8pm drill 6203-6233ft, 8pm-8:15pm pump psi fell, pump flag, 8:15pm-11:30pm tooth looking for hole, found hole 1 stand above collars, 11:30pm-12am change jt of drill pipe, service rig, 12am-1:30am rih, 1:30am-2am wash & ream 32ft to bottom, 2am-7am drill 6233-6262,

Estimated Daily Cost: [REDACTED]

DAY 39 7/16/00

CURRENT DEPTH: 6419 CURRENT OPERATIONS: drilling ROTATING HRS: 23.5

7am-12:15pm drilling @ 6262-6296, 12:15pm-12:45pm survey 6254 (2 1/4 degrees), 12:45pm-4:45pm drilling @ 6296-6327, 4:45pm-5pm service rig, 5pm-7pm drilling @ 6327-6341, 7pm-2:15am drilling @ 6341-6389, 2:15am-2:3am service rig, 2:30am-7am drilling @ 6389-6419,

bit weight - 48, mud weight 9#, fluid loss 8, rpm 70, pump press. 1300, vis. 46,

Estimated Daily Cost: [REDACTED]

DAY 40 7/17/00

CURRENT DEPTH: 6600 CURRENT OPERATIONS: drilling @ 6600ft ROTATING HRS: 23.5

7am-3:45pm drill 6419-6483ft, 3:45pm-4pm service rig, 4pm-7pm drill 6483-6505ft, 7pm-4am drill 6505-6577ft, 4am-4:15am service rig, 4:15am-7am drill 6577-6600ft,

mud wt 9.1, visc 47, fl 8, wt on bit 46000, pump psi 1300, rot speed 70,

Estimated Daily Cost: [REDACTED]

DAY 41 7/18/00

CURRENT DEPTH: 6815 CURRENT OPERATIONS: drilling @ 6815ft, ROTATING HRS: 23.5

7am-2:45pm drill 6600-6668ft, 2:45pm-3pm service rig, 3pm-7pm drill 6668-6704ft, 7pm-10pm drill 6704-6732ft, 10pm-10:15pm service rig, 10:15pm-7am drill 6732-6815ft,

mud wt 9.1, visc 43, fl 9.8, wt on bit 46000, pump psi 1300, rot speed 70,

Estimated Daily Cost: [REDACTED]

DAY 42 7/19/00

CURRENT DEPTH: 7068 CURRENT OPERATIONS: drilling @ 7068ft ROTATING HRS: 23.5

7am-1pm drill 6815-6887ft, 1pm-1:15pm service rig, 1:15pm-7:45pm drill 6887-6951ft, 7:45pm-8pm service rig, 8pm-7am drill 6951-7068ft

Estimated Daily Cost: [REDACTED]

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DAY 43 7/20/00

CURRENT DEPTH: 7258 CURRENT OPERATIONS: drilling 7 7258FT ROTATING HRS: 16.0
7am-11:15am drill 7068-7103ft, 11:15am-11:30am drop survey, 11:30am-3:30pm tooh f/bit, strap out, 3:30pm-4pm
service rig, test bop, 4pm-6:30pm p/up new 8 3/4 bit smith f4 s# lx6727 w/ 13-13-13 jets, tih, 6:30pm-7pm wash
ream last 90ft to bottom, 7pm-1am break bit in drill 7103-7163ft, 1am-1:15am service rig, 1:15am- 7am drill
7163-7238ft,
mud wt 9.1, visc 40, floss 10.2, wt on bit 46000, pump psi 1200, rot spd, 68

Estimated Daily Cost: [REDACTED]

DAY 44 7/21/00

CURRENT DEPTH: 7530 CURRENT OPERATIONS: drilling @ 7530ft ROTATING HRS: 17.0
7am-8am drill 7238-7248ft, 8am-8:15am pump flag, 8:15am-11:45am tooh looking f/ hole, hole 61 stands down,
11:45am-12:15pm replace bad jt, service rig, 12:15pm-2pm tih, 2pm-5pm drill 7248-7276ft, 5pm-5:45pm drilling
break lost circulation @ 7276ft, mix & pump lcm pill came back, 5:45pm-7pm drill 7276-7291ft, 7pm-1:30am drill
7291-7406ft, 1:30am-1:45am service rig, 1:45am-7am drill 7406-7530ft

Estimated Daily Cost: [REDACTED]

DAY 45 7/22/00

CURRENT DEPTH: 7762 CURRENT OPERATIONS: drilling @ 7762ft ROTATING HRS: 22.0
7am-5:45pm drill 7530-7619ft, 5:45pm-6pm service rig, 6pm-6:30pm drop survey 2deg@7573ft, 6:3pm-11:30pm
drill 7619-7680ft, 11:30pm-11:45pm service rig, 11:45-3:45am drill 7680-7742ft, 3:45am-4:30am lost circulation
mix lcm pill & work pipe, came around, (lost 120bbbls), 4:30am-6:15am drill 7742-7758ft, 6:15am-6:30am lost
circulation mix more lcm, circulation came back (lost 50bbbls), 6:30am-7am drill 7758-7762ft,(top of wingate @
7660ft)
mud wt 9.1, visc 47, fl 8.6, wt on bit 45000, pump psi 1000, rpm 68,

Estimated Daily Cost: [REDACTED]

DAY 46 7/23/00

CURRENT DEPTH: 7817 CURRENT OPERATIONS: tooh bit plugged ROTATING HRS: 0.00
7am-10:30am drill 7762-7782ft, 10:30am-11am work tight hole @ 7768-7775ft, 11am-2:45pm drill 7782-7811ft,
2:45pm-3:15pm pump flag pump psi fell, no increase, service rig, 3:15pm-4pm drill 7811-7817ft, check lines &
pump on surface, 4pm-5pm pump flag, no increase, 5pm-9pm tooh looking f/ hole, 9pm-10pm 23rd collar cracked,
lay down 3 drill collars 1 cracked box, 1 washed pin, 1 scarred box, 10pm-11:30pm do visual inspection of all
collars, check bit buttons missing, worn out, change bit to smith f4 rr s#lx6691 (17hrs on rr bit), 11:30pm-12am
service rig, 12am-3:45am tih, 3:45am-4:30am work plugged bit, 4:30am-7am tooh to unplug bit

Estimated Daily Cost: [REDACTED]

DAY 47 7/24/00

CURRENT DEPTH: 7908 CURRENT OPERATIONS: drilling @ 7908ft ROTATING HRS: 14.5
7am-11am tooh, 11am-11:30am unplug bit, subs, & first collar, 11:30am- 12pmservice rig, check bop,
12pm-3:30pm tih break circulation @ collars & every 25 stands, 3:30pm-4:15pm wash & ream 100ft, 35ft of fill,
4:15pm-7pm drill 7817-7830ft, 7pm-5am drill 7830-7897ft, 5am-5:15am service rig, 5:15am-7am drill 7897-7908ft,
mud wt 9.1, visc, 46, fl 8, wt on bit 40000, pump psi 1000, rot spd 68

Estimated Daily Cost: [REDACTED]

DAY 48 7/25/00

CURRENT DEPTH: 8050 CURRENT OPERATIONS: drilling @ 8050ft ROTATING HRS: 23.2
7am-2:30pm drill 7908-7959ft, 2:30pm-2:45pm service rig, 2:45pm-7pm drill 7959-7990ft, 7pm-1am drill
7990-8021ft, 1am-1:30am service rig, 1:30am-4:30am drill 8021-8039ft, 4:30am-7am drill 8039-8050ft top of chinle

mud wt 9.2, visc 70, fl 8.0, wt on bit 40000, pump psi 1000, rot spd 65

Estimated Daily Cost: [REDACTED]

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DAY 49 7/26/00

CURRENT DEPTH: 8082 CURRENT OPERATIONS: logging ROTATING HRS: 8.75

7am-3:45pm drill 8050-8082ft td @3:45pm 7/25/00, 3:45pm-4pm service rig, 4pm-6pm circulate on bottom, condition mud f/ log, 6pm-7pm short trip to 6187ft, 7pm-8pm trip back to bottom, 8pm-8:15pm w& r 30ft to bottom, no fill, 8:15pm-10:15pm circulate on bottom, condition mud, 10:15pm-2:45am tooh f/ log, 2:45am-3am service rig, 3am-3:30am r/up loggers, 3:30am-7am logging well,

Estimated Daily Cost: [REDACTED]

DAY 50 7/27/00

CURRENT DEPTH: 8082 CURRENT OPERATIONS: tooh ROTATING HRS: 0.00

7am-12:45pm finish logging well, 12:45pm-1:45pm cut drill line, 1:45pm-4:45pm tih, no fill, 4:45pm-5pm wash & ream 46ft to bottom, 5pm-11:15pm circulate on botttom , shaking out lcm, 11:15pm-7am tooh laying down drill pipe,

Estimated Daily Cost: [REDACTED]

DAY 51 7/28/00

CURRENT DEPTH: 8082 CURRENT OPERATIONS: r/up to cement 2nd stage ROTATING HRS: 0.00

7am-9:30am finish laying down d.p & d.c., 9:30am-11am r/up casing crew to run 7in csg., 10:30am -9pm rih w/ 7in csg, tagged @ 7042 gl, 9:30pm-10pm r/up to wash down casing, 10pm-11pm try to wash down last jt, no success, 11pm-11:45pm lay down jt of 7in & r/up dowell to cement, 11:45pm-1:30am cement 1st stage, bump plug @ 1:30am, 1:30am-7am circulate w/ rig woc,

Estimated Daily Cost: [REDACTED]

DAY 52 7/29/00

CURRENT DEPTH: 8040 CURRENT OPERATIONS: no activity ROTATING HRS: 0.00

7am-8am circulate & prep f/ second stage, 8am-9:30am cement second stage, bump plug & open tool @ 9:30am, 9:30am-3pm circulate, waiting on cement, 3pm-4pm cement third stage, plug down @ 3:51pm 7/28/00 20 bbl good cement to surface, 4pm-6pm n/ down to set casing slips, 6pm-8pm set slips & cut off casing, 8pm-10pm n/down bop, release rig @ 10pm 7/28/00, 10pm-7am rigging down, trucks cannot be here to move rig until Wednesday earliest,

Estimated Daily Cost: [REDACTED]

DAY 53 8/14/00

CURRENT DEPTH: 8040 CURRENT OPERATIONS: perforating ROTATING HRS: 0.00

rigged up schlemberger to do bond log, held 1000 psi while logging, finised logging well rigged down loggers, shut in for night.

Estimated Daily Cost: [REDACTED]

DAY 54 8/16/00

CURRENT DEPTH: 8040 CURRENT OPERATIONS: run packer & plug ROTATING HRS: 0.00

rigged up schlumberger to perforate, till 4pm run in hole with scraper tagged bottom @ 7998, pooh. Standing back shut down for night.

Estimated Daily Cost: [REDACTED]

DAY 55 8/16/00

CURRENT DEPTH: 8040 CURRENT OPERATIONS: swabbing ROTATING HRS: 0.00

run in hole with bridge plug & packer set to swab navijo tested packer to 500 psi. made 9 runs & pulled 66 bbls fluid level dropped to 6000 ft. took sample wt. 9.3, unset packer caught plug set over windate zone set up to swab shut down for night.

Estimated Daily Cost: [REDACTED]

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DAY 56 8/17/00

CURRENT DEPTH: 8040 CURRENT OPERATIONS: completion ROTATING HRS: 0.00

rigged up to swab wingate zone made 9 runs recovered 53 bbls., checked sample (9.3 wt.), unset packer tripped down to bridge plug, caught plug tripped out laid down plug, tripped in with packer set @ 7179, shut down for night.

Estimated Daily Cost:

DAY 57 8/19/00

CURRENT DEPTH: 8040 CURRENT OPERATIONS: STEP RATE TEST ROTATING HRS: 0.00

NIPPLED DOWN BOP NIPPLED UP WELLHEAD FROM CAMERAN & RIGGED DOWN. Rigged up northern lights set down hole gauges @ 7766, set for 1 degree pressure change to activate, shut in for night.

Estimated Daily Cost:

DAY 58 8/20/00

CURRENT DEPTH: 8040 CURRENT OPERATIONS: gauges in hole for seven ROTATING HRS: 0.00

days

injection test

	start	end	
1/2 bpm - 30 min.	0 psi/ vaccum	0 psi/ vaccum	350 bpm @ 10 bpm max press @ 572/ isip 450, 30 min fall 0

		start step rate test	
1 bpm- 1 hr.	0 psi/ vaccum	0 psi/ vaccum	vol. 475 bbls.
2 bpm- 1 hr.	0 psi/ vaccum	0 psi/ vaccum	vol. 591 bbls.
3 bpm- 1 hr.	0 psi/ vaccum	206 psi	vol. 763 bbls.
4 bpm- 1 hr.	206 psi	316 psi	vol. 1004 bbls.
5 bpm- 1 hr.	316 psi	394 psi	vol. 1303 bbls.
6 bpm- 1 hr.	394 psi	485 psi	vol. 1669 bbls.
8 bpm- 30 minr.	485 psi	554 psi	vol. 1909 bbls.
10 bpm- 30 min.	554 psi	623 psi	vol. 2230 bbls.
12 bpm- 15 min.	623 psi	694 psi	vol. 2436 bbls.
14 bpm- 15 min.	694 psi	732 psi	vol. 2640 bbls.
16 bpm- 15 min.	732 psi	792 psi	vol. 2889 bbls.

Fall off press. 5 min- 439 psi, 10 min- 357 psi, 15 min- 298 psi, 20 min- 252 psi, 25 min- 211 psi, 30 min- 174 psi.

(note) no break over pressure noticed on job

Estimated Daily Cost:

Cum. Estimated Daily Cost:

Frac Data

Completion Data

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RIVER GAS CORPORATION

September 14, 2000

Mr. Christopher J. Kierst
State of Utah
Department of Natural Resources
Division of Oil, Gas, & Mining
1594 West North Temple St.
Ste. 1210
Box 145801
Salt Lake City, UT 84114-5801

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SEP 14 2000
DIVISION OF OIL GAS AND MINING

Re: D-9 Disposal Well
Carbon County, Utah

Dear Mr. Kierst,

The above well is located in Section 32, Township 14 South, Range 9 East (SLB&M). The following data is supplemental information for the UIC Form 1.

Summary of Events

On August 8, 2000, Ross Well Services rigged up to perform completion operations on this well. A 6 1/8" bit, 3ea. 4-1/2" drill collars, and 106 jts. 2-7/8" tubing were run in the hole. The bit tagged cement at 3386 ft.. Cement & the first diverting tool (3440 ft.) were drilled out. The second diverting tool at 5993 ft. was drilled out. A PBD of 7999 ft. was reached, and the hole was displaced with fresh water.

On August 11, 2000, the tubing, drill collars, and bit were tripped out of the hole. The bit & drill collars were landed & nipped down. A bit & scraper were nipped up and run in the hole to 7999 ft..

and that would be what? No pressure loss.

On August 13, 2000, Schlumberger wireline rigged up and performed a cement bond log. 1000 psi. surface pressure was placed on the casing during logging. RGC, Schlumberger, and Ross personnel witnessed this activity. No appreciable pressure loss was realized during the bond logging operation. Therefore, mechanical integrity of the long string is intact.

None!

On August 14, 2000, Schlumberger wireline services shot the following perforations (4" HEGS gun system, 4 spf, 90 deg. Phased, EH-.42", Pen.- 21.67") through the 7" 26# J-55 production casing:

- 7652'-7716' (64 ft.)
7510'-7528' (18 ft.)
7346'-7502' (156 ft.)
7322'-7339' (17 ft.)
7299'-7318' (19 ft.)

Handwritten calculations: 2652 / 7203 = 449

7256'-7295' (39 ft.)
7203'-7230' (27 ft.)

(340 ft. and 1360 holes shot)

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A 6 1/8" bit, scraper, & 128 jts. of 2-7/8" tubing were run the hole after perforating operations.

On August 15, 2000, a packer & bridge plug were run in the hole to 7203 ft. & 7240 ft., respectively. The swab line was rigged up, and 67 barrels of upper Navajo water were recovered. On the last runs, several samples were collected for analyses.

On August 16, 2000, the packer & bridge plug were moved down to 7582 ft. & 7726 ft., respectively. Again, the swab line was rigged up, and 53 barrels of Wingate formation fluid were recovered. Samples from the upper Navajo & Wingate were packed on ice and sent to ChemTech-Ford Analytical Labs for analyses. The packer & bridge plug were pulled out of the hole. The packer was inspected and run back in the hole to 7179 ft.. The packer was tested to 1000 psi. on the backside.

On August 17, 2000, Dowell rigged up and conducted an acid breakdown on the perforations. 2500 gallons of 15 % HCL acid were pumped with 2000 each 7/8" ball sealers. The average pump rate & pressure were 6 bpm & 1547 psi, respectively. The packer was released and pulled out of the hole.

On August 18, 2000, Northern Lights rigged up a slickline unit. Tandem quartz memory gauges were run in the hole to 7766 ft. The static BHP & temperature was 2896 psi. & 158 degrees F., respectively.

On August 19, 2000, Dowell performed a step-rate test to determine the parting pressure of the rock. Approximately 2,890 barrels of 2% KCL fluid were pumped at rates ranging from 1 to 16 bpm. The ISIP & 15 minute shut-in pressures were 625 psi & 174 psi, respectively. Upon completing the test, the well was shut-in for approximately seven days to record the fall-off pressures. The attached Stim-Lab report details the results of the step-rate test.

Specific points within UIC Form 1 are discussed in the following.

Step-Rate Test

Stim-Lab Inc., a Core Laboratories Company, reviewed the D-9 data gathered during the August 19, 2000 step-rate test. The results of their findings determined the fracture parting pressure to be 3790 psi.(427 psi. surface) at 4.2 bpm. This corresponds to a fracture gradient of .488 psi/ft..

The D-9 logs were characterized and compared to other disposal wells within Drunkards Wash. The anhydrite barriers seen in all other wells were present at the D-9 location. These sealing mechanisms will insure containment of injected fluids within the Navajo formation. The D-9 stress regime, based on the rock property log, is in a tensional state similar to the D-2, D-4, D-5, D-6, & D-8 wells. Twelve wells within the project area have penetrated these anhydrite barriers.

Please refer to the enclosed Stim-Lab report for more details.

Connate Water Analysis

Attached are test results from Chemtech-Ford Laboratories of Salt Lake City, Utah. The upper Navajo connate water had a TDS level of 103,000 mg/l. The Wingate connate water had a TDS level of 153,000 mg/l. These connate fluids are well above the 10,000-mg/l cut-off limit. Also, perforations, packer, and bridge plug depths were placed on the analyses sheets to show where and how the sampled zones were isolated.

D-2 Production Water Analysis

Stim-Lab conducted a complete water analysis of produced water taken from the inlet tanks at the D-2 injection facility. This water sample is representative of the type of fluids going to the D-9 location. The analysis revealed a TDS level of 7580 mg/l. The attached report gives a complete analytical breakdown of the produced water sample.

Compatibility of Connate Fluids with Injection Fluids

Stim-Lab performed a compatibility test of D-9 connate water and production water from the D-2 injection facility. Stim-Lab's findings suggest there is a slight scaling tendency when the waters are mixed. Three volume ratios were used: 75:25; 50:50; & 25:75. These results show a TSS of 196mg/l, 289 mg/l, and 244 mg/l, respectively.

Casing Pressure Test

The 7-inch casing was pressure tested to a surface of 1000 psig as witnessed by RGC and Schlumberger Wireline personnel. This pressure was held while bond logging the well and no appreciable pressure loss was seen. The 1000 psig. pressure is noted on the bond log that is included with this packet of information.

Mechanical Integrity Review of Wells within a ½ mile Radius

D-9 Disposal Well
SE/SE S32, T14S, R5S
Carbon County, Utah

On August 13, 2000, Schlumberger wireline services performed a cement bond log on the D-9 disposal well. Please note that 1000 psi (surface) was placed on the well during this procedure and no pressure loss was noticed during logging. A log review shows cement from 347 feet to 7988 feet. Very good bonding is noticed from 6140 feet to 7988 feet. The bond decreased through the interval 6024 feet to 6140 feet, but normalized above this area. This occurrence is not uncommon through areas where cement staging takes place. Overall, the cement job on the D-9 well was above average and behind-pipe fluid flow is highly unlikely.

DOGM Regulation 649-5-2, Item Number 2.11 stipulates a mechanical review of all wells within a half-mile radius of a proposed Class II

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injection well. The following information states the findings to satisfy this request.

Utah 32-158
NW/NE S32, T14S, R9E
Carbon Co., Utah

The 158 well was spudded on April 27, 1998. On April 30, 1998, a total depth of 3,245 feet was reached. 5½ inch casing was run in the hole, and the annular spaced behind the pipe was filled with 465 sacks of cement. Computalog ran a bond log on May 17, 1998 to investigate the cement placement. A review of the bond shows good cement from 1132 feet to 3140 feet.

Over 4000 vertical feet separates the 158 well's lowest perforated interval (2906 feet) and the D-9 well's top shot (7203 feet). In my opinion, the depth difference, coupled with the good cement sheaths at both well locations, insures excellent mechanical integrity.

Utah 32-159
SE/NW S32, T14S, R9E
Carbon Co., Utah

The 159 well was spudded on April 21, 1998. On April 29, 1998, a total depth of 3,265 feet was reached. 5½ inch casing was run in the hole, and the annular spaced behind the pipe was filled with 425 sacks of cement. Computalog ran a bond log on May 17, 1998 to investigate the cement placement. A review of the bond shows good cement from 1650 feet to 3200 feet.

Over 4000 vertical feet separates the 159 well's lowest perforated interval (2960 feet) and the D-9 well's top shot (7203 feet). In my opinion, the depth difference, coupled with the good cement sheaths at both well locations, insures excellent mechanical integrity.

Utah 32-160
SE/SW S32, T14S, R9E
Carbon Co., Utah

The 160 well was spudded on May 01, 1998. On May 04, 1998, a total depth of 3,280 feet was reached. 5½ inch casing was run in the hole, and the annular spaced behind the pipe was filled with 490 sacks of cement. Computalog ran a bond log on May 21, 1998 to investigate the cement placement. A review of the bond shows good cement from 321 feet to 3254 feet.

Over 4000 vertical feet separates the 160 well's lowest perforated interval (3070 feet) and the D-9 well's top shot (7203 feet). In my opinion, the depth difference, coupled with the good cement sheaths at both well locations, insures excellent mechanical integrity.

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Kakatsides 31-197
NW/NE S31, T14S, R9E
Carbon Co., Utah

The 197 well was spudded on June 12, 1998. On June 15, 1998, a total depth of 3,305 feet was reached. 5½ inch casing was run in the hole, and the annular spaced behind the pipe was filled with 424 sacks of cement. Computalog ran a bond log on June 27, 1998 to investigate the cement placement. A review of the bond shows good cement from 340 feet to 3280 feet.

Over 4000 vertical feet separates the 197 well's lowest perforated interval (3024 feet) and the D-9 well's top shot (7203 feet). In my opinion, the depth difference, coupled with the good cement sheaths at both well locations, insures excellent mechanical integrity.

USA 31-200
NE/SE S31, T14S, R9E
Carbon Co., Utah

The 200 well was spudded on May 26, 1998. On May 30, 1998, a total depth of 3,420 feet was reached. 5½ inch casing was run in the hole, and the annular spaced behind the pipe was filled with 440 sacks of cement. Computalog ran a bond log on June 19, 1998 to investigate the cement placement. A review of the bond shows good cement from 325 feet to 3354 feet.

Over 4000 vertical feet separates the 200 well's lowest perforated interval (3064 feet) and the D-9 well's top shot (7203 feet). In my opinion, the depth difference, coupled with the good cement sheaths at both well locations, insures excellent mechanical integrity.

**A schematic & bond log has been enclosed for each of the above wells.

Average Daily Injection Volume

The requested average daily injection volume is 14,400 bpd. This volume is possible as supported by the step-rate injection results.

Requested Maximum Injection Pressure

River Gas Corporation respectfully requests that the maximum injection pressure be established at **1350** psig. (surface). This pressure is consistent with the D-2 & the D-6 wells. The anhydrite barriers seen in every injection well within Drunkards Wash are present in D-9, so containment of the injected fluids should be achieved. Stim-Lab elaborates more about this point in their report. As with other disposal wells in the field, D-9 tracer surveys will be run annually to insure the injection stream is contained within the permitted disposal horizons.

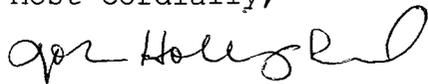
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Please contact me at 205-759-3282 should you have any questions pertaining to the above information.

Most Cordially,



John Hollingshead
Reservoir Engineer

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APPLICATION FOR INJECTION WELL - UIC FORM 1

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OPERATOR RIVER GAS CORP.
ADDRESS P.O. BOX 851
PRICE, UT 84501

Well name and number: D-9

Field or Unit name: DRUNKARD'S WASH

Well location: ^{SE 1/4 NW 1/4} QQ _____ section 32 township 14S

Danneyell Gifford
Gallien
29915
DN

Is this application for expansion of an existing well? 538-5154

Will the proposed well be used for:
Enhanced Recovery
Disposal?
Storage?
Sit LA Bonds

Is this application for a new well to be drilled? Yes No

If this application is for an existing well,
has a casing test been performed on the well? Yes No

Date of test: _____
API number: 43-007-30438

Proposed injection interval: from 7,203' to 7,652'

Proposed maximum injection: ^{MAX} rate 15,000 bpd

Proposed injection zone contains oil, gas,
mile of the well.

UIC-263.1
10/2/2000
lc

nsig
ithin %

IMPORTANT: Additional information as required to accompany this form.

List of Attachments: _____

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

Name _____ Signature _____
Title _____ Date _____
Phone No. () _____

(State use only)
Application approved by _____ Title _____
Approval Date _____

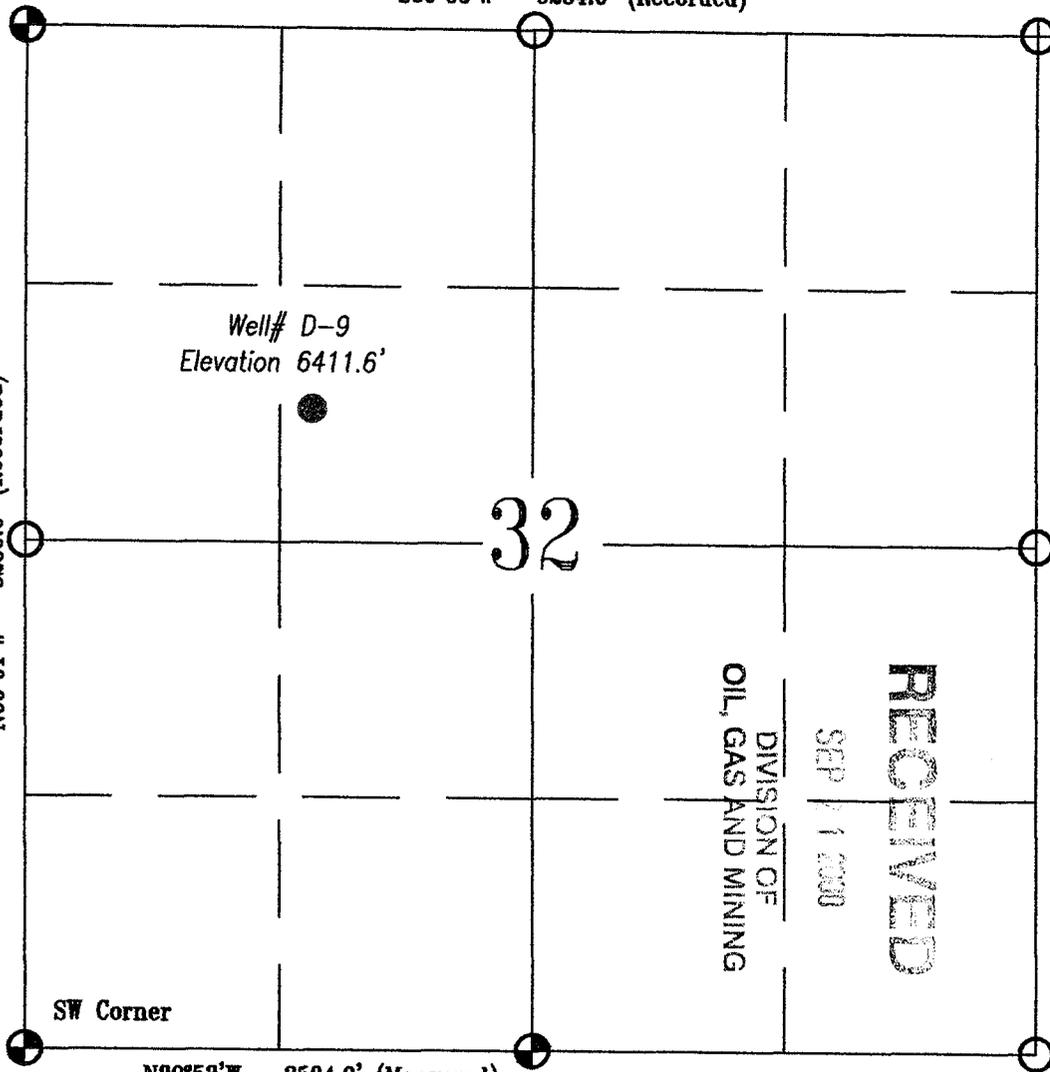
Comments:

Range 9 East

S89°55'W - 5284.0' (Recorded)

Township 16 South

N01°23'44"W - 5285.1' (Measured)
N00°01'W - 5280.0' (Recorded)



Basis of Bearing:

Basis of Bearing S89°53'W recorded between the SW Corner and the South Quarter Corner of Section 32, Township 14 South, Range 9 East, Salt Lake Base & Meridian.

Basis Of Elevation:

Basis of Elevation of 6577' as indicated in the SW R.O.W Corner in Section 32, Township 14 South, Range 9 East, Salt Lake Base and Meridian, as indicated in the Pinnacle Peak Quadrangle 7.5 Minute Series Map.

Description of Location:

Proposed Drill Hole located in the SE 1/4 NW1/4 of Section 32; 3325.4' North and 1486.6' East from the SW Corner of Section 32, T14S, R9E, Salt Lake Base & Meridian.

Surveyor's Certificate:

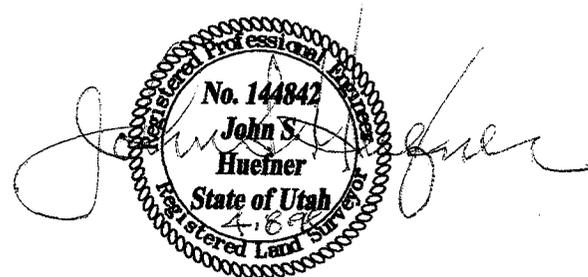
I, John S. Huefner, a Registered Licensed Land Surveyor, holding Certificate #144842, State of Utah, do hereby certify that the information on this drawing is a true and accurate survey of the land, and was conducted under my personal supervision, as shown hereon.

N00°01'W - 5280.0' (Recorded)

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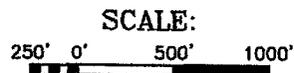
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LEGEND:

- Drill Hole Location
- Found Section Corner Monumented w/ Brass Cap Unless Indicated Otherwise
- Section Corner Searched for, But Not Found



DRAWN BY: P. BOYLEN	
CHECKED BY: L.W.J.	
DATE: 3/31/98	3266 South 125 West Price, Utah 84501 (801) 637-9300 FAX (801) 637-2833
SCALE: 1" = 1000'	Sevens
JOB NO. 269	
DRAWING NO. A-1	River Gas Corporation Well# D-9 Section 32, T14S, R9E, S.L.B.&M. Carbon County, Utah
SHEET 1 of 4	



RIVER GAS CORPORATION

UTAH OPERATIONS
6825 South 5300 West
P.O. Box 851
Price, Utah 84501
Bus. (435) 613-9777
FAX (435) 613-9782

September 20, 2000

Mr. Gil Hunt
State of Utah
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Application for Injection Well: D-9
Change this: SE1/4 NW1/4 Section32, T14S, R9E, SLB&M
Carbon County, Utah

Dear Mr. Hunt:

Enclosed please find the original of the Application for Injection Well for the above name well, D-9.
Included with the UIC Form 1 is the following information:

- Exhibit "A" - Survey Plat of the Proposed Well Site;
- Exhibit "B" - Maps Depicting Nearby Wells and Land Ownership;
- Exhibit "C" - Statement Regarding Logs Performed on the Well;
- Exhibit "D" - Description of the Casing Program;
- Exhibit "E" - Description of the Fluid Types;
- Exhibit "F" - Statement of the Injection Pressures;
- Exhibit "G" - Statement of Geologic and Hydrologic Data;
- Exhibit "H" - Statement of Affidavit;

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Mr. Gil Hunt
September 20, 2000
Page Two

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

Sincerely,



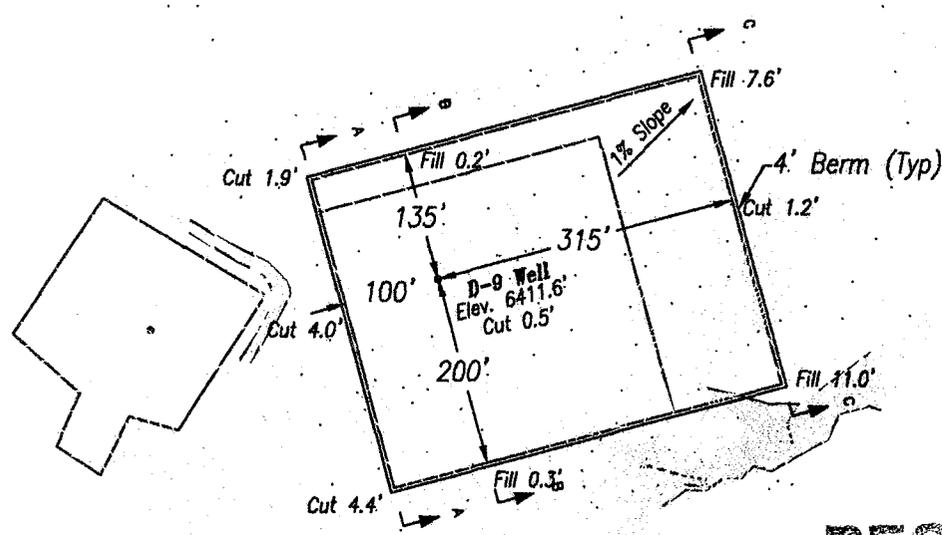
Callen Hurtt
Development Manager

cc: Mr. John Baza, UDOGM
Mr. Chuck Snure, Texaco
Mr. Gee Lake, Jr., Dominion Resources
Mr. Greg Mueller, RGC
Mr. Joey Stephenson, RGC
Mr. John Hollingshead, RGC
RCG Well File - D-9

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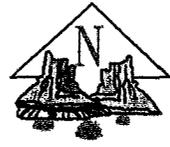
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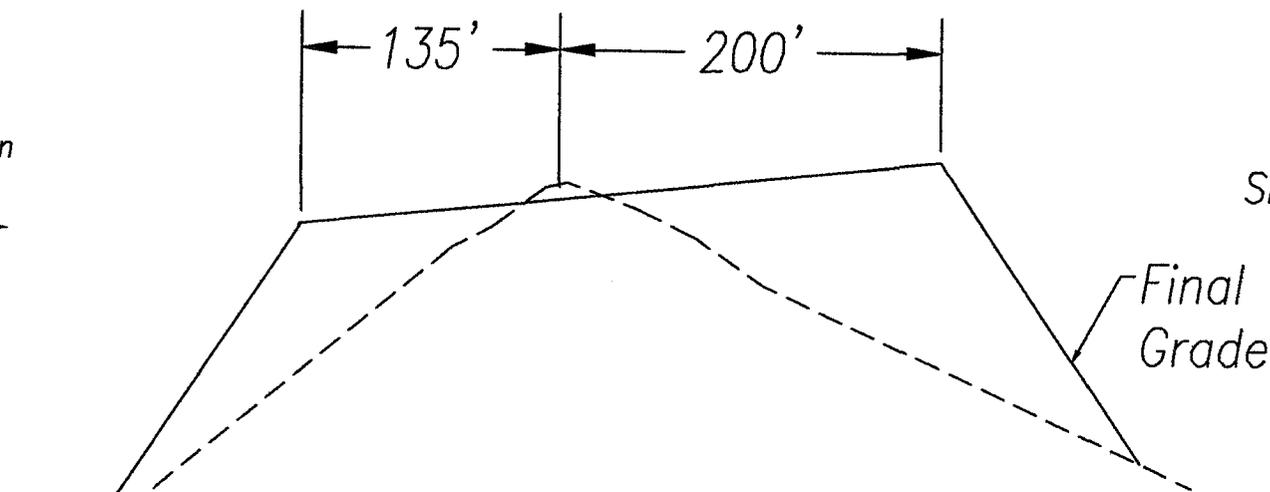
SEP 21 2000

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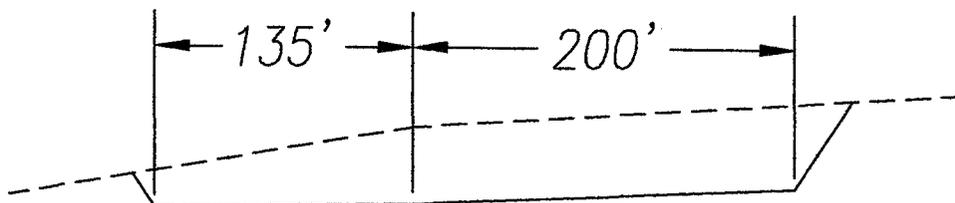
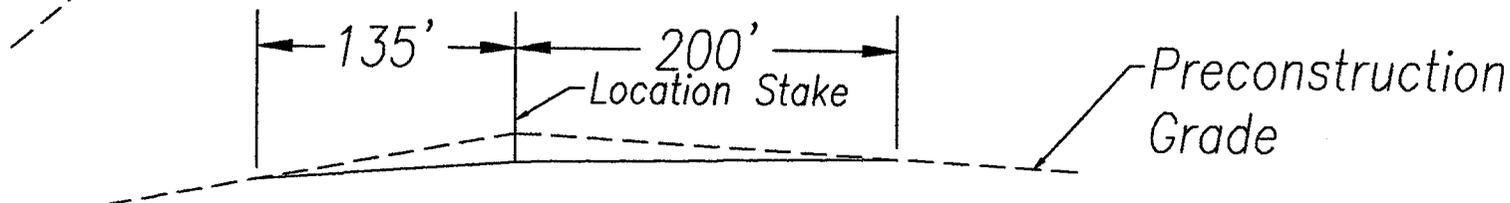


DRAWN BY: P. BOYLEN	
CHECKED BY: L.W.J.	
DATE: 4/1/98	3266 South 126 West Price, Utah 84501 (801) 637-9300 FAX (801) 637-2833
SCALE: 1"=200'	Services
JOB NO. 269	River Gas Corporation Location Layout Section 32, T14S, R9E, S.L.B.&M. Carbon County, Utah
DRAWING NO. A-2	
SHEET 2 OF 4	

1"=10'
X-Section
Scale
1"=100'



Slope = 1 1/2 : 1



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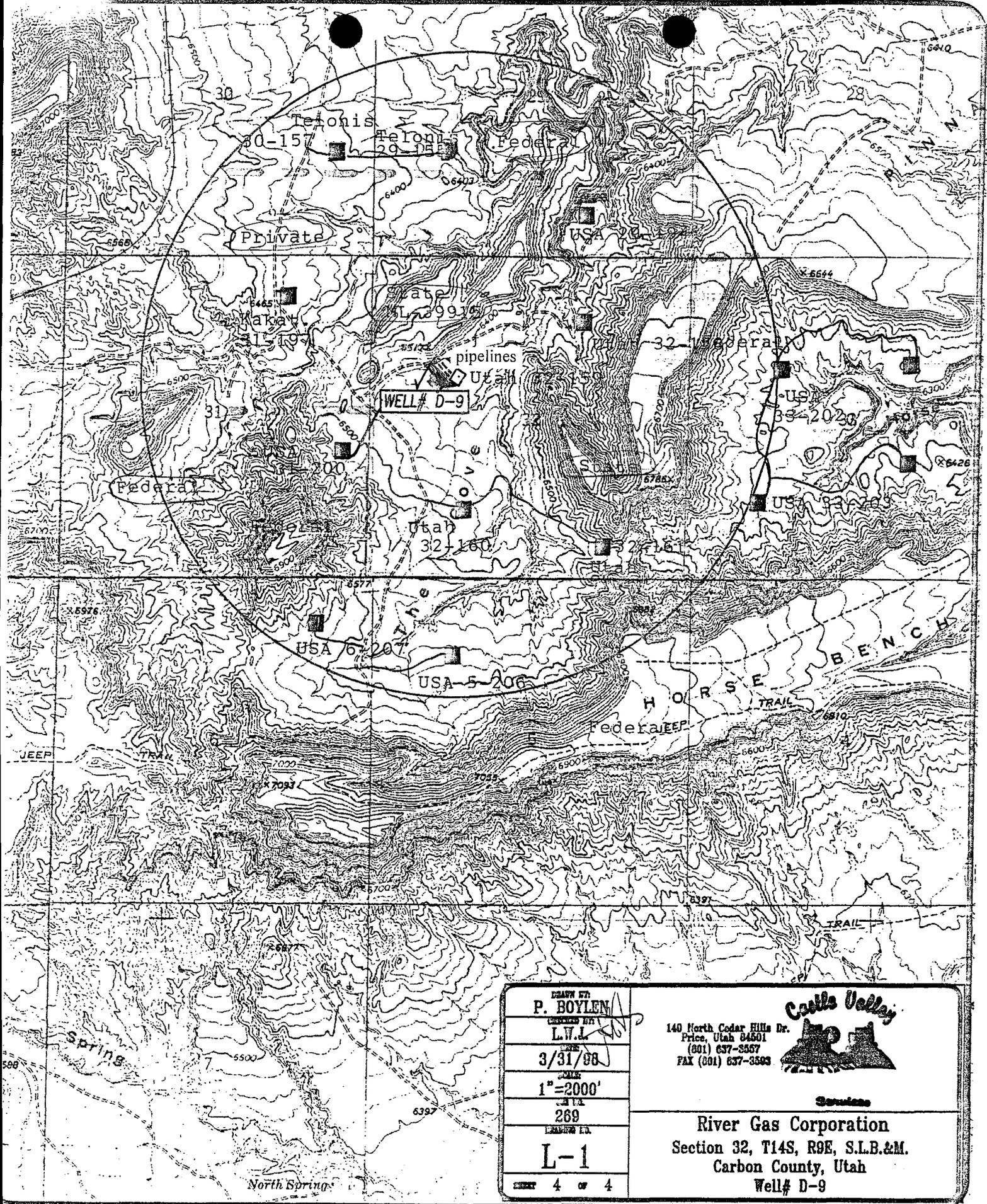
SEP 21 2000

DIVISION OF
OIL, GAS AND MINING

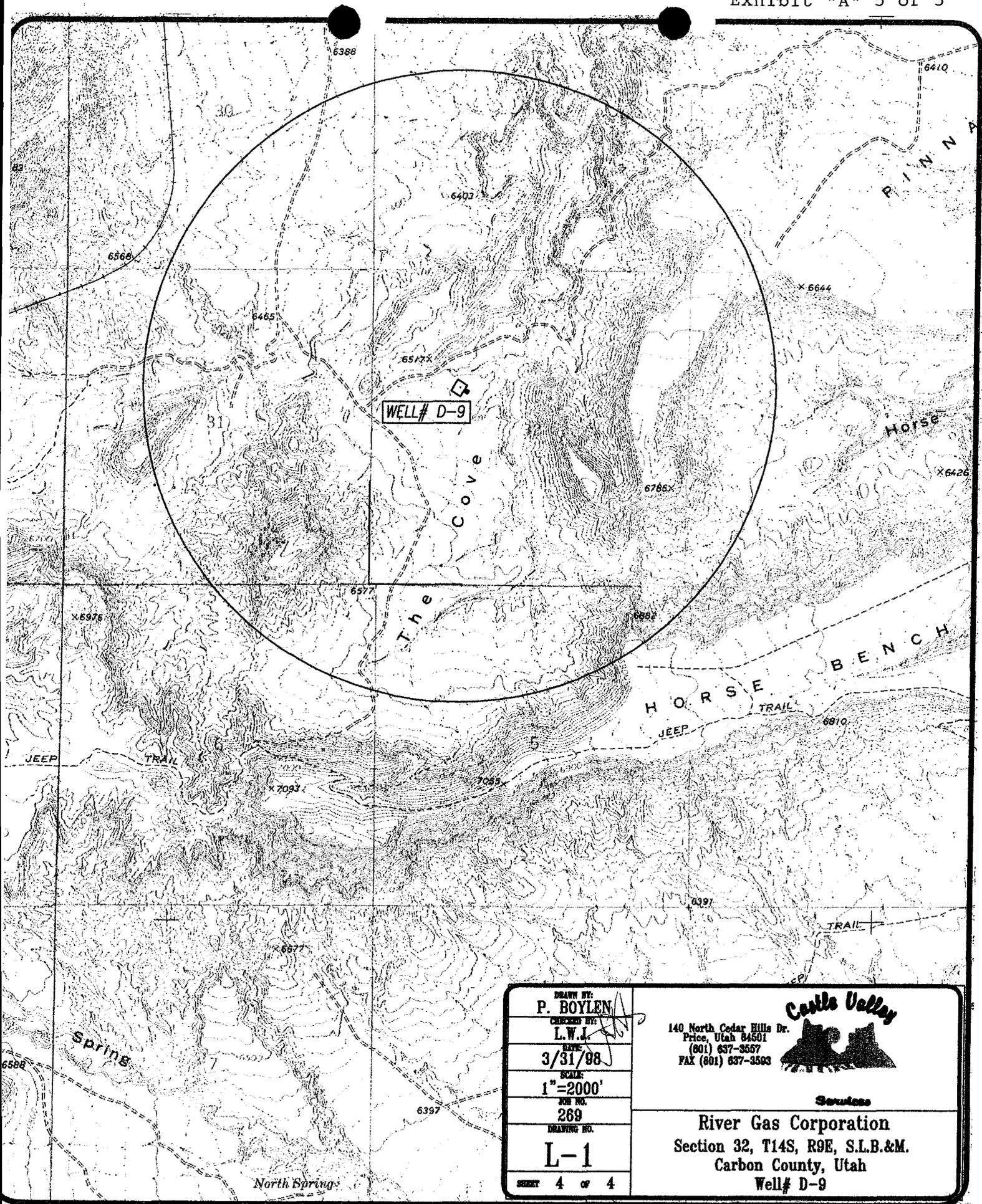
APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 5,200.0 Cu. Yds.
Remaining Location	= 4,725.3 Cu. Yds.
TOTAL CUT	= 9825.3 Cu. Yds.
TOTAL FILL	= 8,407.0 Cu. Yds.

DRAWN BY: P. BOYLEN CHECKED BY: L.W.J. DATE: 4/1/98 SCALE: As Shown JOB NO. 269 DRAWING NO. C-1 SHEET 3 of 4	 3266 South 125 West Price, Utah 84501 (801) 637-9300 FAX (801) 637-2893 Source River Gas Corporation Typical Cross Sections Section 32, T14S, R9E, S.L.B.&M. Well # D9
--	---



DRAWN BY P. BOYLEN	
CHECKED BY L.W.L.	
DATE 3/31/88	140 North Cedar Hills Dr. Price, Utah 84501 (801) 637-3557 FAX (801) 637-3593
SCALE 1"=2000'	Sections
SHEET 269	River Gas Corporation Section 32, T14S, R9E, S.L.B.&M. Carbon County, Utah Well# D-9
L-1	
SHEET 4 OF 4	



WELL # D-9

The Cove

HORSE BENCH

JEEP TRAIL

JEEP TRAIL

Spring

North Spring

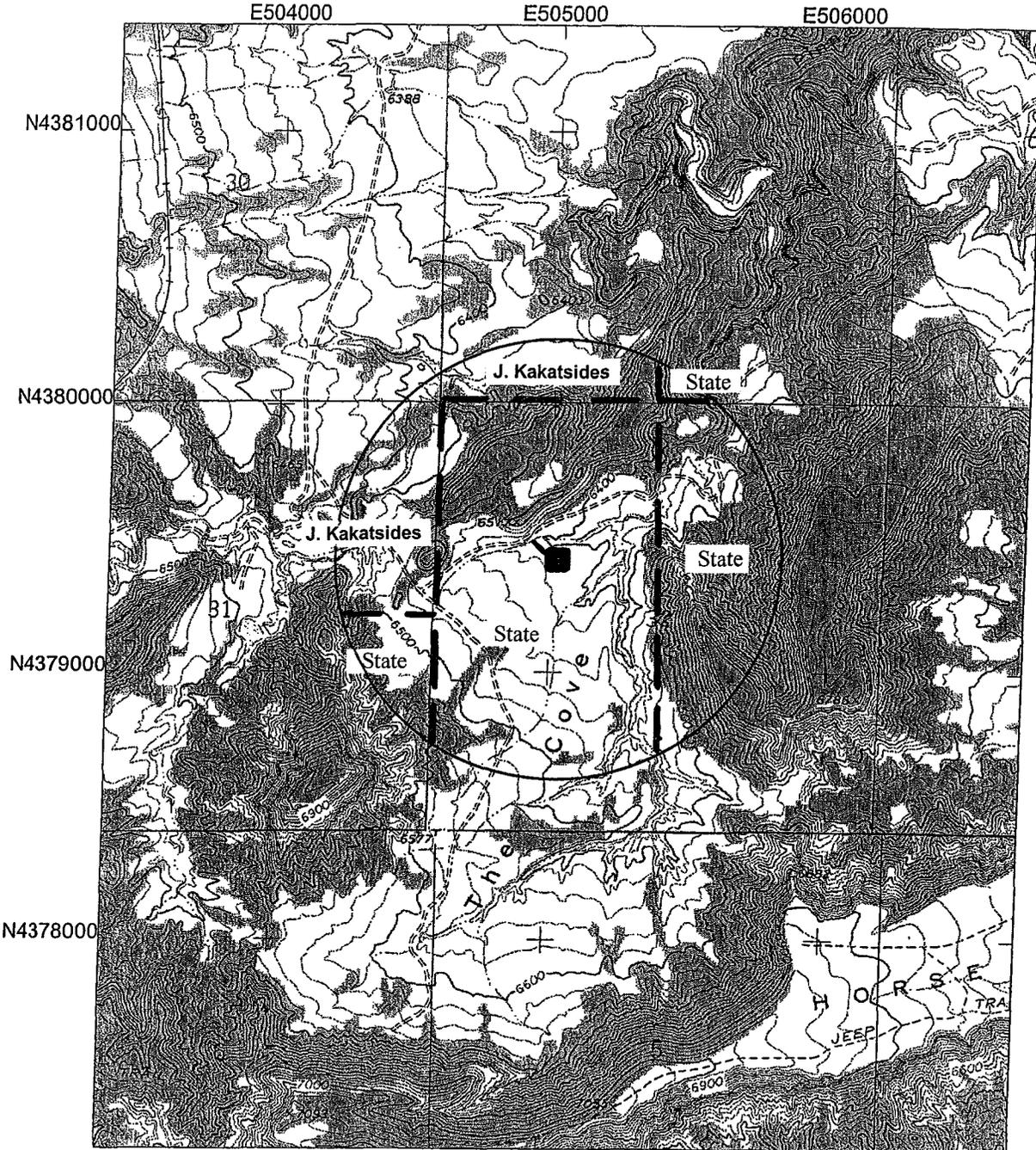
DRAWN BY:
P. BOYLEN
 CHECKED BY:
L.W.J.
 DATE:
3/31/98
 SCALE:
1"=2000'
 JOB NO.
269
 DRAWING NO.
L-1
 SHEET **4** of **4**

Castle Valley
 140 North Cedar Hills Dr.
 Price, Utah 84501
 (801) 637-3557
 FAX (801) 637-3593



Services
River Gas Corporation
 Section 32, T14S, R9E, S.L.B.&M.
 Carbon County, Utah
 Well# D-9

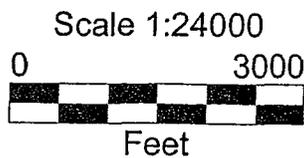
SUBSURFACE OWNERSHIP MAP



D-9 Disposal Well

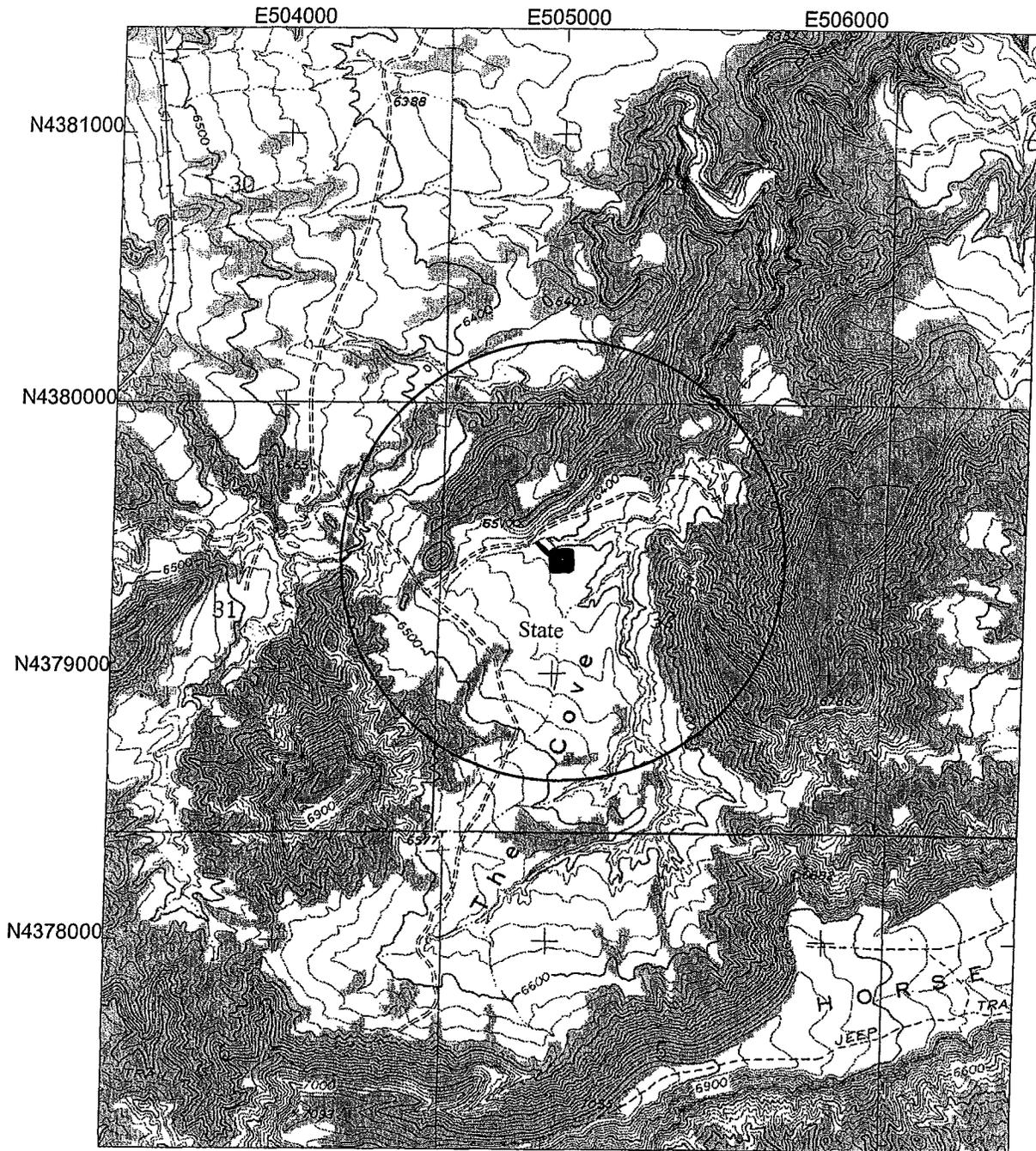
Sec. 32, T14S, R9E

Universal Transverse Mercator
12 North
NAD 1927 (Conus)



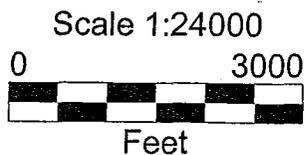
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Multiple Files
08/29/2000
Pathfinder Office
 Trimble

SURFACE OWNERSHIP MAP



D-9 Disposal Well
Sec. 32, T14S, R9E

Universal Transverse Mercator
 12 North
 NAD 1927 (Conus)



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 OIL, GAS AND MINING

Multiple Files
 08/29/2000
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Trimble

Statement Regarding Logs Performed on the Well

Logs compiled on the RGC D-9 well are included with this package:

Cement Bond Log with Gamma Ray & Collars

*Where
are
they?*

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SEP 11 2013

DEPARTMENT OF
OIL, GAS AND MINING

Description of the Casing Program

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SEP 2 1973

DIVISION OF
OIL, GAS AND MINING

Description of the Casing Program

Conductor Casing Description:

20" 48#/ft, H-40, PE SMLS, installed 0' to 40'
 Top filled 5 yards ready-mix cement behind pipe

Surface Casing Description:

13 3/8" 48#/ft, H-40, ST&C SMLS, installed from 0' to 407'
 490 sacks Class G, 2% CaCl + 1/4lb per sack Flow-seal
 15.2#/gal density and 1.15 cu ft / sack yield (displaced with 55 bbls water)
 landed 9 joints of casing at 407'

Intermediate Casing Description:

9-5/8" 36#/ft K-55 LT&C SMLS, installed from 0' to 3533'
 1st stage 175 sacks 50/50 poz and 60 sacks of 10-1 RFC (displaced w/ 270 bbl of water)
 2nd stage 675 sacks 50/50 poz (displaced with 200 bbl of water)
 Landed 82 joints of casing at 3533'
 Stage Tool set at 2601'
 Casing shoe set at 3533'

Production Casing Description:

7" 26#/ft, J-55, installed from 0' to 8041'
 1st stage 80 sacks 50/50 poz and 375 sacks 10-1 RFC (displace with 305 bbl of gel)
 2nd stage 680 sacks 50/50 poz and 65 sacks 10-1 RFC (displace with 230 bbl of gel)
 3rd stage 290 sacks 50/50 poz (displace with 131 bbl of water)

Joint	Description	Length	G.L>
1	shoe	2.00	8041.00
1	7" 26#/ft J-55	41.82	7998.18
1	Float Collar	2.00	7996.18
49	7" 26#/ft J-55	1983.76	6014.38
1	DV Tool	2.00	6012.38
64	7" 26#/ft J-55	2576.62	3437.76
1	DV Tool	2.00	3435.76
82	7" 26#/ft J-55	3435.76	0.00

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SEP 11 1981

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 OIL, GAS AND MINING

Description of Fluid Types

Water analysis compiled on the RGC D-9 well is being submitted with this application package.

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OCT 21 1962
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OIL, GAS AND LEASING

Statement of the Injection Pressures

The proposed average and maximum injection pressures for the RGC D-9 well is being submitted with this application package.

RECEIVED
NOV 17 1977
BUREAU OF
OIL, GAS AND MINING

Statement of Geologic and Hydrologic Data

All available geologic and hydrologic data have been previously submitted or will be submitted to your office in the future.

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APR 27 1960
DIVISION OF
OIL, GAS AND MINING

Statement of Affidavit

An affidavit certifying that a copy of the application has been provided to all owners within a one-half mile radius is currently being prepared and will be submitted to your office in the future.

RECEIVED
OCT 2 1980
DIVISION OF
OIL, GAS AND MINING

CHEMTECH-FORD

ANALYTICAL LABORATORIES



Date: 9/ 5/00

To: River Gas of Utah
attn. Cal Hurtt
P.O. Box 851
Price, UT 84501

Group #: 39642
Lab #: 00-U007679
Project: DRUNKARDS WASH
Sample Desc: A (1-2) D9
Packer Set @ 7173
Bridge Plug Set @ 7240
Perfs 7203-7230
Navajo Zone

Sample Matrix: WATER
Date/Time Sampled: 8/15/00 , 16:30
Date/Time Received: 8/17/00 , 11:00

RECEIVED

SEP 21 2000

DIVISION OF
OIL, GAS AND MINING

Frank J. Gayer

CERTIFICATE OF ANALYSIS

PARAMETER	RESULT	MINIMUM REPORTING		METHOD	ANALYST
		LIMIT (MRL)	DATE ANALYZED		
INORGANIC PARAMETERS					
Alkalinity, as Bicarbonate, mg/L	3,910	1	8/25/00 12:00	SM 2320B	TSM
Alkalinity, as Carbonate, mg/L	< 10	10	8/25/00 12:00	SM 2320B	TSM
Alkalinity, as Hydroxide, mg/L	< 10	10	8/25/00 12:00	SM 2320B	TSM
Alkalinity, Total (CaCO ₃), mg/L	3,210	1	8/25/00 12:00	SM 2320B	TSM
Chloride, mg/L	59,000	200	8/30/00 14:00	EPA 325.3	TSM
Conductance, Specific, umhos/cm	124,000	1	8/24/00 9:45	EPA 120.1	MJB
Resistivity, ohms	< 0.1	0.1	9/ 5/00	Sm18 2510A	LH
pH, units	6.4	0.1	8/17/00 12:00	EPA 150.1	LPS
Specific Gravity, g/mL	1.059	0.005	8/29/00 10:00	EPA 1311	MJB
Sulfate, mg/L	5,700	1000	8/29/00 16:00	EPA 375.4	TSM
Total Dissolved Solids, mg/L	103,000	250	8/21/00 15:45	EPA 160.1	LPS

Approved By:

David Gayer
David Gayer, Laboratory Director

MRL = Report detection limit

Page 1

(generic.rpt)

6100 SOUTH STRATLER
SALT LAKE CITY UTAH 84107 6905
801 262 7299 PHONE
801 262 7378 FAX

CHEMTECH-FORD

ANALYTICAL LABORATORIES



Date: 9/ 5/00

To: River Gas of Utah
attn. Cal Hurtt
P.O. Box 851
Price, UT 84501

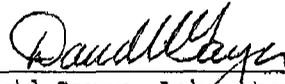
Group #: 39642
Lab #: 00-U007679
Project: DRUNKARDS WASH
Sample Desc: A (1-2) D9
Packer Set @ 7173
Bridge Plug Set @ 7240
Perfs 7203-7230
Navajo Zone
Sample Matrix: WATER
Date/Time Sampled: 8/15/00 , 16:30
Date/Time Received: 8/17/00 , 11:00

CERTIFICATE OF ANALYSIS

PARAMETER	RESULT	MINIMUM REPORTING		METHOD	ANALYST
		LIMIT (MRL)	DATE ANALYZED		
INORGANIC PARAMETERS					
Calcium (T), as Ca, mg/L	540	0.2	8/21/00 17:25	EPA 200.7	JJT
Iron (T), as Fe, mg/L	420	0.02	8/21/00 17:25	EPA 200.7	JJT
Magnesium (T), as Mg, mg/L	220	0.2	8/21/00 17:25	EPA 200.7	JJT
Sodium (T), as Na, mg/L	33,000	20	8/29/00 15:19	EPA 200.7	JJT
Temperature, Receiving, C	3.0		8/17/00 11:00		CSM

NOTE: Sample received on ice.

Approved By:


 David Gayer, Laboratory Director

MRL = Report detection limit

Page 2

{generic.rpt}

6100 SOUTH STRATLER
SALT LAKE CITY UTAH 84107 6805
801 262 7299 PHONE
801 262 7378 FAX

CHEMTECH-FORD

ANALYTICAL LABORATORIES



To: River Gas of Utah
attn. Cal Hurtt
P.O. Box 851
Price, UT 84501

Date: 9/ 5/00

Group #: 39642
Lab #: 00-U007680
Project: DRUNKARDS WASH
Sample Desc: B (1-2) D9
Packer Set @ 7582
Bridge Plug Set @ 7726
Perfs 7652-7716
Wingate Zone

Sample Matrix: WATER
Date/Time Sampled: 8/16/00, 11:05
Date/Time Received: 8/17/00, 11:00

Handwritten signature: J. M. ...

CERTIFICATE OF ANALYSIS

PARAMETER	RESULT	MINIMUM REPORTING		METHOD	ANALYST
		LIMIT (MRL)	DATE ANALYZED		
INORGANIC PARAMETERS					
Alkalinity, as Bicarbonate, mg/L	2,090	1	8/25/00 12:00	SM 2320B	TSM
Alkalinity, as Carbonate, mg/L	< 10	10	8/25/00 12:00	SM 2320B	TSM
Alkalinity, as Hydroxide, mg/L	< 10	10	8/25/00 12:00	SM 2320B	TSM
Alkalinity, Total (CaCO ₃), mg/L	1,710	1	8/25/00 12:00	SM 2320B	TSM
Chloride, mg/L	90,000	500	8/30/00 14:00	EPA 325.3	TSM
Conductance, Specific, umhos/cm	165,000	1	8/24/00 9:45	EPA 120.1	MJB
Resistivity, ohms	< 0.1	0.1	9/ 5/00	Sm18 2510A	LH
pH, Units	6.6	0.1	8/17/00 12:00	EPA 150.1	LPS
Specific Gravity, g/mL	1.107	0.005	8/29/00 10:00	EPA 1311	MJB
Sulfate, mg/L	4,200	1000	8/29/00 16:00	EPA 375.4	TSM
Total Dissolved Solids, mg/L	153,000	250	8/21/00 15:45	EPA 160.1	LPS

Approved By:

David Gayer
David Gayer, Laboratory Director

MRL = Report detection limit

Page 3

(generic.rpt)

6100 SOUTH STRATLER
SALT LAKE CITY UTAH 84107 6905
801 262 7299 PHONE
801 262 7378 FAX

CHEMTECH-FORD

ANALYTICAL LABORATORIES



To: River Gas of Utah
attn. Cal Hurtt
P.O. Box 851
Price, UT 84501

Date: 9/ 5/00

Group #: 39642
Lab #: 00-U007680
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Perfs 7652-7716
Wingate Zone

Sample Matrix: WATER
Date/Time Sampled: 8/16/00 , 11:05
Date/Time Received: 8/17/00 , 11:00

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SEP 21 2000

DIVISION OF
OIL, GAS AND MINING

CERTIFICATE OF ANALYSIS

PARAMETER	RESULT	MINIMUM REPORTING		METHOD	ANALYST
		LIMIT (MRL)	DATE ANALYZED		
INORGANIC PARAMETERS					
Calcium (T), as Ca, mg/L	480	0.2	8/21/00 17:25	EPA 200.7	JJT
Iron (T), as Fe, mg/L	82	0.02	8/21/00 17:25	EPA 200.7	JJT
Magnesium (T), as Mg, mg/L	200	0.2	8/21/00 17:25	EPA 200.7	JJT
Sodium (T), as Na, mg/L	59,000	200	8/31/00 15:05	EPA 200.7	JJT
Temperature, Receiving, C	3.0		8/17/00 11:00		CSM

NOTE: Sample received on ice.

Approved By:

David Gayer
David Gayer, Laboratory Director

MRL = Report detection limit

Page 4

(generic.rpt)

6100 SOUTH STRATLER
SALT LAKE CITY UTAH 84107 6905
801 262 7299 PHONE
801 262 7378 FAX



STIM-LAB, Inc.
 7406 North HWY 81
 Duncan, Oklahoma 73533
 Phone: 580-252-4309
 Fax: 580-252-6979
 ronhimes@stimlab.com

Ron Himes
 Core Flow Dept. Manager

CERTIFICATE OF ANALYSIS

August 30, 2000

Mr. John Hollingshead
 River Gas Corp.
 511 Energy Center Blvd.
 Northport, AL 35473

PRODUCED WATER TAKEN FROM INLET TANK

RE: Water Analysis D-2 Injection Water, Project 5924

PARAMETER NAME	REPORTED RESULT	UNITS	F MDL	PQL	ANALYTICAL METHOD	ANALYTICAL DATE
CALCIUM	3.43	mg/l	0.0056	0.017	200.7/6010	08/24/00
MAGNESIUM	1790	ug/l	2.4	7.1	200.7/6010	08/24/00
SODIUM	3200	mg/l	0.022	0.066	200.7/6010	08/28/00
POTASSIUM	16.7	mg/l	0.115	0.345	200.7/6010	08/28/00
IRON	492	ug/l	3.3	10	200.7/6010	08/29/00
TOTAL HARDNESS	114	ug/l	7.0	21.0	200.7/6010	08/27/00
CHLORIDE	2440	mg/l	0.004	0.012	EPA_300.0	08/25/00
SULFATE	BDL	mg/l	U 0.035	0.11	EPA_300.0	08/25/00
ALKALINITY	2630	mg/l	1	3	EPA 310.1	08/22/00
HYDROXIDE	BDL	mg/l	U 1	3	EPA 310.1	08/22/00
BICARBONATE	2630	mg/l	1	3	EPA 310.1	08/22/00
CARBONATE	BDL	mg/l	U 1	3	EPA 310.1	08/22/00
"p" - ALKALINITY	BDL	mg/l	U 1	3	EPA 310.1	08/22/00
pH	8.09				EPA_150.1	08/17/00
RESISTIVITY	85.5	ohm	1	3	EPA 120.1	08/22/00
SPECIFIC CONDUCTANCE	11800	umho/cm			EPA 120.1	08/22/00
SPECIFIC GRAVITY	1.01				ASTM_D1429	08/29/00
TOTAL DISSOLVED SOLIDS	7580	mg/l	1.0	3.0	EPA_160.1	08/21/00

By,

Ron Himes
 Dept. Manager
 Core Flow Dept.

Injection Fluid

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SEP 21 2000

DIVISION OF OIL, GAS AND MINING



FAX TRANSMISSION
From: **STIM-LAB Inc.**
7406 North Highway 81
P.O. Box 1644
Duncan, Oklahoma 73533 USA
Phone: 580-252-4309
FAX: 580-252-6979
E-mail: ronhimes@stimlab.com

August 21, 2000
Page 2 of 2

To: John Hollingshead
River Gas Corp.
FAX: 205-759-3188

From: Ron Himes
STIM-LAB Inc.

RE: Scaling Tendency of D9 Connate and D2 Injection Water, Project 5924

Dear John,

STIM-LAB Inc. analyzed the scaling tendency of the two submitted waters from the D9 well Navajo connate water and D2 injection received on 8-17-00. The D2 injection water showed an initial total suspended solids (TSS) of 156 mg/l. Both fluids were then filtered and the scaling tendency measured at three volume ratios of D9:D2 of 75:25, 50:50 and 25:75. These results show a TSS of 196 mg/l, 289 mg/l and 244 mg/l respectively. These results indicate there is a slight tendency for the two waters to form a scale or precipitant upon mixing

STIM-LAB Inc. appreciates the opportunity to perform this work for RGC. We hope you will continue to consider us for you future testing needs. Please call if you have any questions.

Regards,

Ron Himes
Dept. Manager
Core Testing and Analytical Department

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AUG 21 2000
DIVISION OF
OIL, GAS AND MINING

ANALYSIS OF THE STEP
RATE TEST IN WELL D-9
AT DRUNKARD'S WASH

PREPARED FOR:

RIVER GAS CORPORATION
1300 MCFARLAND BLVD. N.E.
NORTHPORT, ALABAMA 35476

PREPARED BY:

MICHAEL W. CONWAY
STIM-LAB, INC.
7406 NORTH HWY 81
DUNCAN, OKLAHOMA 73534

P.O. NUMBER: VERBAL/JOHN HOLLINGSHEAD
FILE NUMBER: SL-5205

SEPTEMBER 6, 2000

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SEP 7 1 2000

DIVISION OF
OIL, GAS AND MINING

ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM SAMPLES AND LOGS WHICH WERE SUPPLIED. WE CANNOT, AND DO NOT, GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATIONS, AND WE SHALL NOT, EXCEPT IN THE CASE OF GROSS OR WILLFUL NEGLIGENCE ON OUR PART, BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COSTS, DAMAGES OR EXPENSES INCURRED OR SUSTAINED BY ANYONE RESULTING FROM ANY INTERPRETATION MADE BY ANY OF OUR OFFICERS, AGENTS OR EMPLOYEES. THESE INTERPRETATIONS ARE ALSO SUBJECT TO OUR GENERAL TERMS AND CONDITIONS AS SET OUT IN OUR CURRENT PRICE SCHEDULE.

MICROFICHE



ANALYSIS OF THE STEP RATE INJECTION TEST CONDUCTED IN WELL D-9 AT DRUNKARD'S WASH

Well D-9 was completed in August 2000 and a step rate test was conducted on August 19, 2000 to determine the fracture parting pressure in the Navajo sandstone. Both the Navajo and Wingate sandstones were opened through perforations at the depths shown in Table 1.

Table 1 - Perforation Placement in Well D-9

Perforation Location (ft)
7203-7230
7256-7295
7299-7318
7322-7339
7346-7502
7510-7528
7652-7716

The well was acidized on August 17, 2000 by setting a packer at 7179' and 2500 gal of 15% HCl was pumped at an average rate of 6 BPM with 2000 ball sealers. Tandem quartz gauges were then set at 7766'.

A total of about 2971 barrels of water was then injected in a short, high rate breakdown and a step rate test. After the short injection at 10 BPM and shut-in, the step rate test was started at 1 BPM and continued up to the maximum rate. The surface and bottom hole recorded data from the injection phase is shown in Figure 1. The rates were varied from about 1 to a maximum of 16.5 BPM.

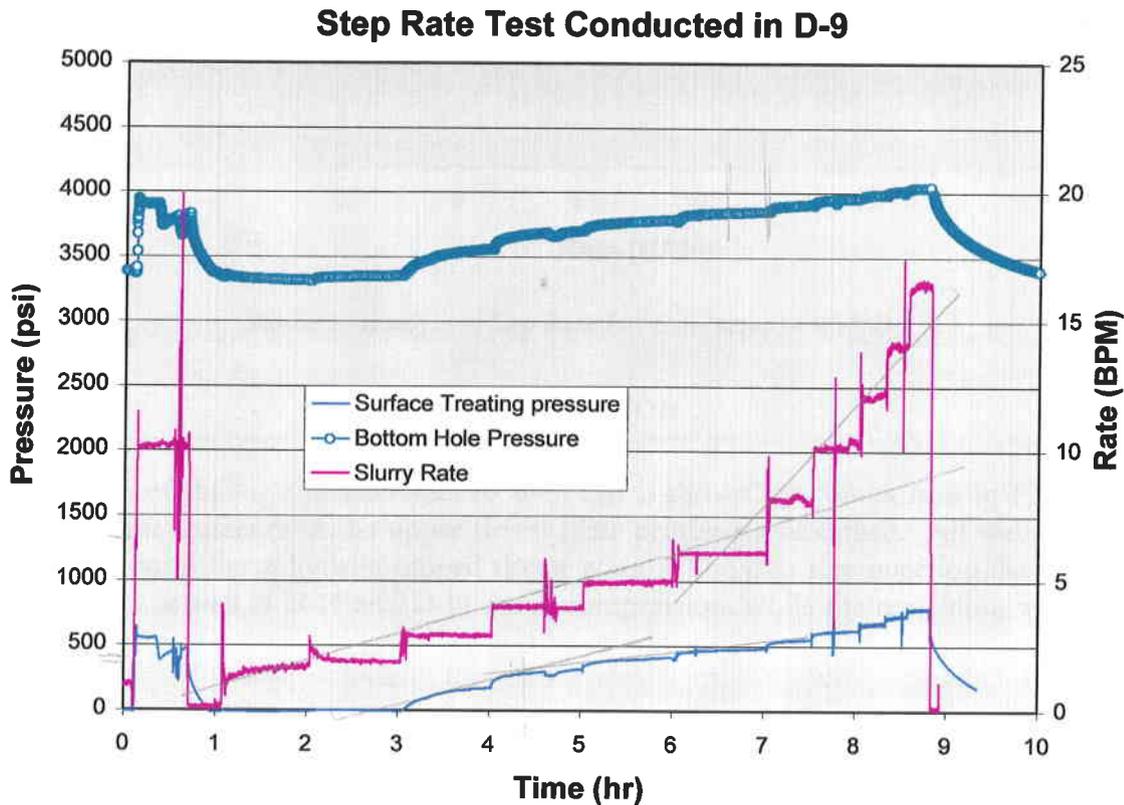


Figure 1 - Step Rate data for test performed on Well D-9.

The initial pressure was 2896 psi at a gauge depth of 7766'. This is an initial pore pressure gradient of 0.373, which is somewhat lower than the 0.388 psi/ft gradient seen in D-3. The analysis of the pressure data from the downhole gauge shows an ultimate fracture extension pressure of 3790 psi which is a gradient of 0.488 psi/ft. The traditional rate-pressure plot is given in Figure 2. The low fracture extension gradient seen in this well is consistent with the other wells in the project which are in tension. This is consistent with the stress model proposed for the Navajo Formation in Drunkard's Wash.

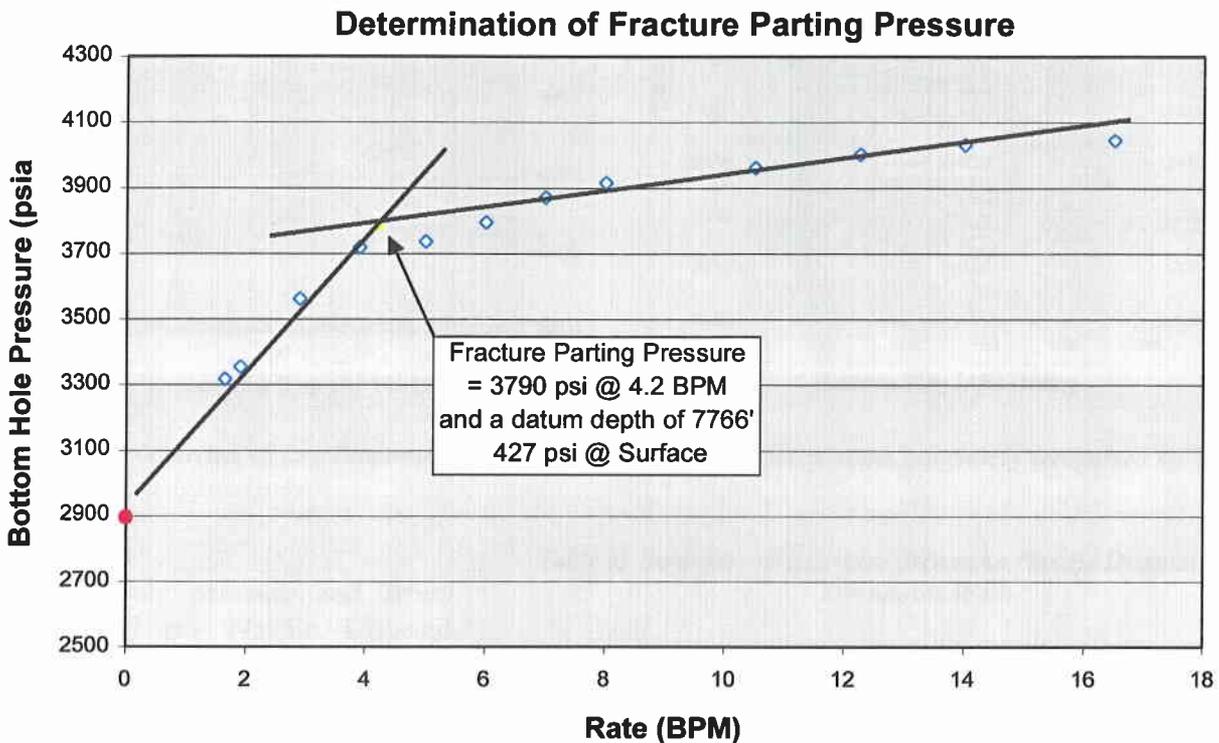


Figure 2 - Analysis of Step Rate Test Conducted in Well D-9

CONCLUSION

A comparison of the log characteristics to Well D-3 is shown for comparison in Figure 3. Well logs confirm the existence of the upper thrust plate previously described. All wells have similar logs in and around the anhydrite capped thrust zone. The step rate injection data for all wells shows that D-3 as well as D-11 and D-14 are in compression, while the remaining wells including D-9 are in tension.

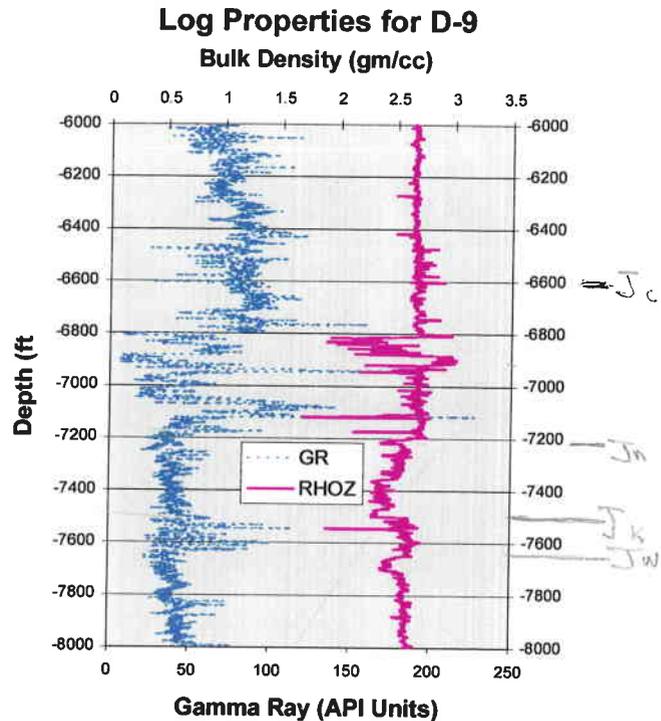
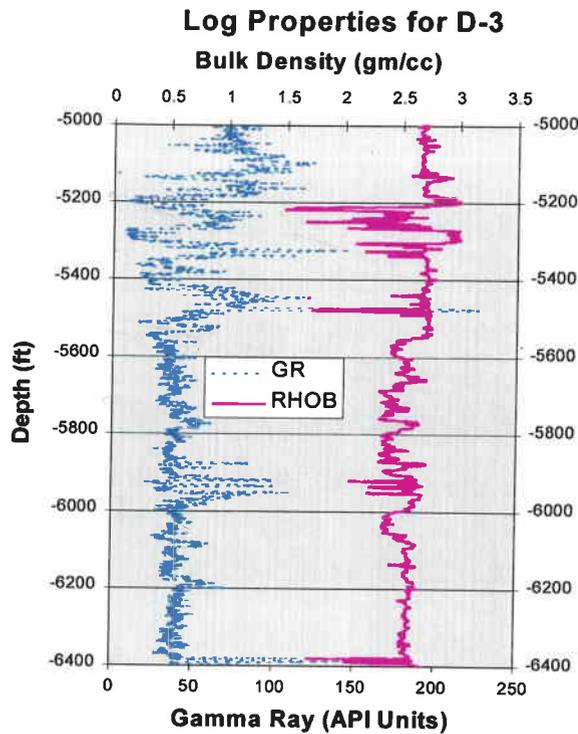


Figure 3 - Comparison of Log Properties for D-3 and D-9. The Anhydrite zones are clearly recognized by their density which is approximately 3.

The reservoir pressure and stress state in all the Navajo Disposal Wells in Drunkard's Wash is summarized in Table 2. D-9 is the deepest of the disposal wells and still shows to have nearly the lowest stress in the Anhydrite cap but the stress in the disposal zone is also low. With this many wells in place, the original explanation of the source of the stresses still remains valid and gives good confidence that the Navajo Sandstone is well isolated from all zones above the anhydrite cap at the injection pressures being used. We recommend that an initial wellhead limit of 1800 psi be established for this well.

Table 2: Summary of Reservoir Stresses in Navajo Disposal Wells in Drunkards Wash

Well Name	Lower Plate Anhydrite (ft)	Reservoir Pressure Gradient (psi/ft)	Closure Pressure in Anhydrite in Lower Plate ⁽¹⁾		
			BHP	Surface (psi)	(psi/ft)
D-1	5410	0.394	4780	2437	0.884
D-2	6884	0.350	6150	3169	0.893
× D-3	5285	× 0.388	6675	4387	1.263
D-4	5762	0.412	4800	2305	0.833
D-5	6707	0.351	5525	2621	0.824
D-6	6799	0.347	5600	2656	0.824
D-7	5412	0.439	4900	2557	0.905
D-8	5750	0.443	5000	2510	0.870
D-9	6915	0.373	5025	2030	0.727
D-10	6550	0.375	5180	2344	0.791
× D-11	4823	× 0.393	6900	4812	1.431
× D-14	4290	× 0.415	6245	4387	1.456

⁽¹⁾Lower Plate stress calculated by assuming closure pressure in Navajo is

Michael W. Conway, Ph.D.

September 6, 2000

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	12729	43-007-30567	Sampinos D-14	NWSE	16	15S	10E	Carbon	5/5/00	5/1/00
WELL 1 COMMENTS: New single well, new spud outside PA but within Unit boundary 5-18-00 CONFIDENTIAL											
B	99999	12729 12771	43-007-30438	Utah D-9	SENW	32	14S	09E	Carbon	5/22/00	5/1/00
WELL 2 COMMENTS: New single well, new spud outside PA but within Unit boundary 6-23-00 CONFIDENTIAL											
B	99999	11256	43-015-30399	Utah 04-281	SWSW	04	16S	09E	Emery	6/15/00	5/1/00
WELL 3 COMMENTS: New single well, new spud outside PA but within Unit boundary CONFIDENTIAL											
B	99999	11256	43-015-30397	Utah 09-360	SWSW	09	16S	09E	Emery	6/16/00	5/1/00
WELL 4 COMMENTS: New single well, new spud outside PA but within Unit boundary CONFIDENTIAL											
B	99999	11256	43-015-30408	Utah 09-361	NWSE	09	16S	09E	Emery	6/18/00	5/1/00
WELL 5 COMMENTS: New single well, new spud outside PA but within Unit boundary 4-8-99 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.

RECEIVED

SEP 28 2000

DIVISION OF
 OIL, GAS AND MINING

Frankie Hathaway *Frankie Hathaway*
 Signature

Administrative Assistant 6/21/00
 Title Date

Phone No. (435)613-9777

GEOSCOUT LAND & TITLE COMPANY

P.O. BOX 11126 • SALT LAKE CITY, UTAH 84147-1126 • (801) 364-7773

September 10, 2000

Mr. John Baza, Associate Director, Oil & Gas
Utah Division of Oil, Gas & Mining
P.O. Box 145801
Salt Lake City, Utah 84114-5801

Re: *River Gas Corporation*
RGC D-9 Injection Well
Section 32, Township 14 South, Range 9 East, SLM
Carbon County, Utah
43-007-30438
kic-263.1

Dear Mr. Baza:

Reference is made to the pending application for injection well, for the captioned well filed by our client River Gas Corporation.

Enclosed are Affidavits fulfilling the requirements as set forth in Utah Admin. Code Rule R649-5-1 and copy of Exhibit "B" as described in said Affidavits.

If you have any further questions or concerns regarding this application, please do not hesitate to call either me or Joseph L. Stephenson of River Gas Corporation at (205) 759-3282. Thank you for your attention to this matter.

Sincerely,



Thomas P. Sullivan
GeoScout Land & Title Company

enclosures

RECEIVED

OCT 10 2000

DIVISION OF
OIL, GAS AND MINING

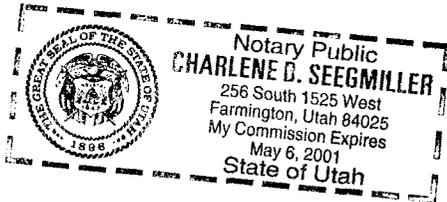
notice of the of the Application for Injection Well which River Gas Corporation submitted to the Division of Oil, Gas & Mining. The letters identified the tract(s) within the ½ mile radius of said well in which said party owned an interest, the intent of River Gas Corporation to seek approval to use the well as an injection well, a copy of the Application for Injection Well was provided, the address and telephone number for the Division of Oil, Gas & Mining was provided in the event the party had a question regarding the permitting of said well, and River Gas Corporation offered to provide said parties with additional information associated with the Application for Injection Well if the party made a written request to River Gas Corporation.

5. The matters stated herein are true of my own knowledge.

Dated this 10th day of October, 2000.


THOMAS P. SULLIVAN

Subscribed, sworn and acknowledged to and by Thomas P. Sullivan before me this 10th day of October, 2000.




NOTARY PUBLIC

Exhibit "B"

Page 1 of 2

River Gas Corporation
Proposed Disposal Well D-9
SE $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 32
Township 14 South, Range 9 East, SLM
Emery County, Utah

Operators, Owners, Surface Owners within a $\frac{1}{2}$ mile radius
with last address as shown by the reviewed records

State of Utah
School & Institutional Trust Lands Administration
Attn. Mr. David Terry, Director
675 East 500 South
Suite 500
Salt Lake City, Utah 84102

CERTIFIED MAIL
POSTMARKED:
October 6, 2000

River Gas Corporation
Attn. Mr. Joseph L. Stephenson
Vice President - Land
1300 McFarland Blvd., N.E.
Suite 400
Tuscaloosa, Alabama 35406

NOT APPLICABLE;
RGC ORIGINATED
NOTICES TO OTHER
PARTIES

Texaco Exploration and Production, Inc.
Attn. Mr. Chuck Snure
Denver Division
4601 DTC Boulevard
Denver, Colorado 80237

CERTIFIED MAIL
POSTMARKED:
October 6, 2000

Dominion Reserves - Utah, Inc.
901 East Byrd
Richmond, VA 23219

CERTIFIED MAIL
POSTMARKED:
October 6, 2000

Lois Marie Marsing
5325 South Beacon Hill Circle
Murray, Utah 84107

CERTIFIED MAIL
POSTMARKED:
October 6, 2000

Fiscal Dynamic Limited Partnership
3562 Herendal Drive
Salt Lake City, Utah 84121

CERTIFIED MAIL
POSTMARKED:
October 6, 2000

Nick L. Marsing
P.O. Box 806
Wellington, Utah 84542

CERTIFIED MAIL
POSTMARKED:
October 6, 2000

Exhibit "B"

Page 2 of 2

River Gas Corporation
Proposed Disposal Well D-9
SE $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 32

Township 14 South, Range 9 East, SLM
Emery County, Utah

Operators, Owners, Surface Owners within a $\frac{1}{2}$ mile radius
with last address as shown by the reviewed records

Boyd Kent Marsing
P.O. Box 2
Price, Utah 84501

CERTIFIED MAIL
POSTMARKED:
October 6, 2000

Allen Kirt Marsing
735 North 700 East
Price, Utah 84501

CERTIFIED MAIL
POSTMARKED:
October 6, 2000

Tama Gordon
2397 North Carbonville Road
Carbonville, Utah 84066

CERTIFIED MAIL
POSTMARKED:
October 6, 2000

Christina Kakatsidas
P.O. Box 614
Price, Utah 84501

CERTIFIED MAIL
POSTMARKED:
October 6, 2000

Phillip Gregory Marsing
P.O. Box 820
Price, Utah 84501

CERTIFIED MAIL
POSTMARKED:
October 6, 2000

Troy Lane Marsing
1783 East Sitzmark Drive
Sandy, Utah 84092

CERTIFIED MAIL
POSTMARKED:
October 6, 2000

---ooOoo---

IN THE MATTER OF THE APPLICATION
OF River Gas Corp.

(Operator)

NOTICE OF AGENCY
ACTION

FOR ADMINISTRATIVE APPROVAL OF
THE D-9

CAUSE NO. UIC-263.1

_____ WELL(s)
LOCATED IN SECTION 32 ,
TOWNSHIP 14s S or N,
RANGE 20e E or W,
S.L.M. or _____,
Carbon COUNTY, UTAH, AS
A CLASS II INJECTION WELL

*Please
make this
notice.
Thanks Chris/Kirst*

---ooOoo---

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of R.G.C. (Operator) for administrative approval of the D-9 well, located in Section 32, Township 14s (S or N), Range 20e (E or W), S.L.M. or _____, Carbon County, Utah, for conversion to a Class II injection well. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

The interval from 7,203 feet to 7,652 feet (Navajo Sandstone Formation) will be selectively perforated for water injection. The maximum requested injection pressure will be limited to 1,700 PSIG with a maximum rate of 15,000 BWPD.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 11 th day of October ²⁰⁰⁰ ~~199~~.

CK

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

---ooOoo---

IN THE MATTER OF THE	:	NOTICE OF AGENCY
APPLICATION OF RIVER GAS	:	ACTION
CORPORATION FOR	:	
ADMINISTRATIVE APPROVAL OF	:	CAUSE NO. UIC 263-1
THE D-9 WELL LOCATED IN	:	
SECTION 32, TOWNSHIP 14 SOUTH,	:	
RANGE 9 EAST, S.L.M., CARBON	:	
COUNTY, UTAH, AS A CLASS II	:	
INJECTION WELL	:	

---ooOoo---

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

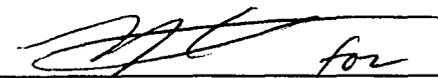
Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of River Gas Corporation for administrative approval of the D-9 well, located in Section 32, Township 14 South, Range 9 East, Carbon County, Utah, for a Class II injection well. The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selective zones in the Navajo Sandstone Formation will be used for water injection. The maximum requested injection pressure and rate will be determined based on fracture gradient information submitted by River Gas Corporation.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedure rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 12th day of October, 2000.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING



 John R. Baza
 Associate Director, Oil & Gas

**River Gas Corporation
D-9
Cause No. UIC 263-1**

Publication Notices were sent to the following:

✓ River Gas Corporation
1300 McFarlane Blvd, Suite 300
Tuscaloosa, AL 34506-2233

✓ Via Facsimile (435) 637-2716
Sun Advocate
845 East Main Street
Price, UT 84501-2708

via E-Mail and Fascimile (801) 237-2776

✓ Salt Lake Tribune
PO Box 45838
Salt Lake City, UT 84145

Moab District Office

✓ Bureau of Land Management
82 East Dogwood
Moab, UT 84532

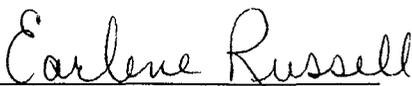
✓ Carbon County Assessor
102 E Main St
Price, UT 84501

✓ River Gas Corporation
PO Box 851
Price, UT 84501

School and Institutional Trust Lands
Administration

✓ 675 East 500 South, Suite 500
Salt Lake City, UT 84102-2818

✓ Dan Jackson
US EPA Region VIII, Suite 5000
999 18th Street
Denver, CO 80202-2466


Earlene Russell
Secretary
October 13, 2000



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)

October 13, 2000

SENT VIA FAX (435) 637-2716

Sun Advocate
845 East Main Street
Price, UT 84501-2708

RE: Notice of Agency Action - Cause No. UIC 263-1

Gentlemen:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, Suite 1210, PO Box 145801, Salt Lake City, Utah 84114-5801.

Sincerely,

Earlene Russell
Earlene Russell
Secretary

encl.

***** P. 01 *****
 * TRANSACTION REPORT *
 * OCT-13-2000 FRI 12:47 PM *
 * FOR: OIL, GAS & MINING 801 359 3940 *
 * DATE START RECEIVER TX TIME PAGES TYPE NOTE M# DP *
 * OCT-13 12:46 PM 14356372716 47" 2 SEND OK 035 *
 * TOTAL : 47S PAGES: 2 *



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)

October 13, 2000

SENT VIA FAX (435) 637-2716

Sun Advocate
 845 East Main Street
 Price, UT 84501-2708

RE: Notice of Agency Action - Cause No. UIC 263-1

Gentlemen:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, Suite 1210, PO Box 145801, Salt Lake City, Utah 84114-5801.

Sincerely,



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)

October 13, 2000

SENT VIA E-MAIL AND FAX (801) 237-2776

Salt Lake Tribune
PO Box 45838
Salt Lake City, UT 84145

RE: Notice of Agency Action - Cause No. 263-1 and Cause No. 262

Gentlemen:

Enclosed are copies of the referenced Notices of Agency Action. Please publish these Notices, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, Suite 1210, PO Box 145801, Salt Lake City, Utah 84114-5801.

Sincerely,

A handwritten signature in cursive script that reads "Earlene Russell".

Earlene Russell
Secretary

encl.

From: "NAC Legals" <naclegal@nacorp.com>
To: "Earlene Russell" <nrogm.erussell@state.ut.us>
Date: 10/13/00 12:08PM
Subject: Re: Causes UIC 262 & 263-1

Thank you for emailing your ad.
Ad is scheduled for Tuesday, Oct. 17.
Lynn

-----Original Message-----

From: Earlene Russell <nrogm.erussell@state.ut.us>
To: NAClegal@NACorp.com <NAClegal@NACorp.com>
Date: Friday, October 13, 2000 10:30 AM
Subject: Causes UIC 262 & 263-1

TRANSACTION REPORT

P. 01

OCT-13-2000 FRI 12:48 PM

FOR: OIL, GAS & MINING

801 359 3940

DATE	START	RECEIVER	TX TIME	PAGES	TYPE	NOTE	M#	DP
OCT-13	12:47 PM	2372776	1' 00"	3	SEND	OK	036	
TOTAL :						1M OS	PAGES:	3



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)

October 13, 2000

SENT VIA E-MAIL AND FAX (801) 237-2776

Salt Lake Tribune
 PO Box 45838
 Salt Lake City, UT 84145

RE: Notice of Agency Action - Cause No. 263-1 and Cause No. 262

Gentlemen:

Enclosed are copies of the referenced Notices of Agency Action. Please publish these Notices, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, Suite 1210, PO Box 145801, Salt Lake City, Utah 84114-5801.

Sincerely,

AFFIDAVIT OF PUBLICATION

STATE OF UTAH)

ss.

County of Carbon,)

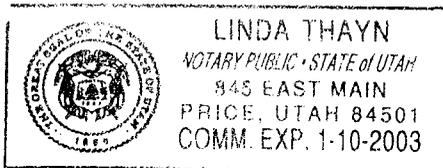
I, Kevin Ashby, on oath, say that I am the Publisher of the Sun Advocate, a twice-weekly newspaper of general circulation, published at Price, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue of such newspaper for 1 (One) consecutive issues, and that the first publication was on the 17th day of October 2000, and that the last publication of such notice was in the issue of such newspaper dated the 17th day of October, 2000.

Kevin Ashby
Kevin Ashby - Publisher

Subscribed and sworn to before me this 17th day of October, 2000.

Linda Thayne
Notary Public My commission expires January 10, 2003 Residing at Price, Utah

Publication fee, \$ 94.25



**NOTICE OF AGENCY ACTION
CAUSE NO. UIC-263-1**

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

IN THE MATTER OF THE
APPLICATION OF RIVER GAS
CORPORATION FOR
ADMINISTRATIVE APPROVAL OF
THE D-9 WELL LOCATED IN
SECTION 32, TOWNSHIP 14 SOUTH,
RANGE 9 EAST, S.L.M., CARBON
COUNTY, UTAH, AS A CLASS II
INJECTION WELL

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of River Gas Corporation for administrative approval of the D-9 well, located in Section 32, Township 14 South, Range 9 East, Carbon County, Utah, for a Class II injection well. The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selective zones in the Navajo Sandstone Formation will be used for water injection. The maximum requested injection pressure and rate will be determined based on fracture gradient information submitted by River Gas Corporation.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedure rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 12th day of October, 2000.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING
-s-John R. Baza
Associate Director, Oil & Gas

Published in the Sun Advocate October 17, 2000.

RECEIVED

DIVISION OF
OIL, GAS AND MINING

143 SOUTH MAIN ST.
 P.O. BOX 45838
 SALT LAKE CITY, UTAH 84145
 FED. TAX I.D.# 87-0217663

Newspaper Agency Corporation
 The Salt Lake Tribune NA DESERET NEWS

CUSTOMER'S
 COPY

PROOF OF PUBLICATION

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	D5385340L-07	10/17/00

ACCOUNT NAME	
DIV OF OIL-GAS & MINING	
TELEPHONE	INVOICE NUMBER
801-538-5340	TL8200W4311
SCHEDULE	
START 10/17/00 END 10/17/00	
CUST. REF. NO.	
263-1, 262	
CAPTION	

BEFORE THE DIVISION OF OIL, GA	
SIZE	
51 LINES	2.00 COLUMN
TIMES	RATE
1	1.16
MISC. CHARGES	AD. CHARGES
.00	
	118.32
	TOTAL COST
	118.32

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

—ooOoo—

IN THE MATTER OF THE APPLICATION OF RIVER GAS CORPORATION FOR ADMINISTRATIVE APPROVAL OF THE D-9 WELL LOCATED IN SECTION 32, TOWNSHIP 14 SOUTH, RANGE 9 EAST, S.L.M., CARBON COUNTY, UTAH, AS A CLASS II INJECTION WELL

NOTICE OF AGENCY ACTION
 CAUSE NO. UIC 263-1

—ooOoo—

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of River Gas Corporation for administrative approval of the D-9 well, located in Section 32, Township 14 South, Range 9 East, Carbon County, Utah, for a Class II injection well. The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selective zones in the Navajo Sandstone Formation will be used for water injection. The maximum requested injection pressure and rate will be determined based on fracture gradient information submitted by River Gas Corporation.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedure rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 12th day of October, 2000.

STATE OF UTAH
 DIVISION OF OIL, GAS & MINING
 /s/ John R. Baza
 Associate Director

8200W431

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKKEEPER, I CERTIFY THAT THE ADVERTISEMENT OF BEFORE THE DIVISION OF OIL, GAS & MINING WAS PUBLISHED BY DIV OF OIL-GAS & MINING CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH

PUBLISHED ON START 10/17/00 END 10/17/00

SIGNATURE [Signature]

DATE 10/17/00

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"
PLEASE PAY FROM BILLING STATEMENT.



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

B

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)

November 14, 2000

River Gas Corporation
P. O. Box 851
Price, UT 84501

Re: Application for Class II Injection Permit, Utah D-9 Well, Section 32, Township 14 South, Range 9 East, Carbon County, Utah

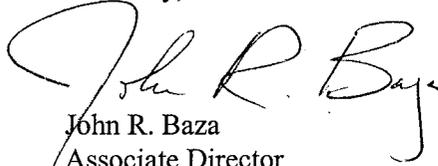
Gentlemen:

Pursuant to Utah Admin. Code §R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code §R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by River Gas Corporation.

If you have any questions regarding this approval or the necessary requirements, please contact Christopher Kierst at (801) 538-5337.

Sincerely,


John R. Baza
Associate Director

er

cc: Dan Jackson, Environmental Protection Agency
Carbon County Commission



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)

UNDERGROUND INJECTION CONTROL PERMIT

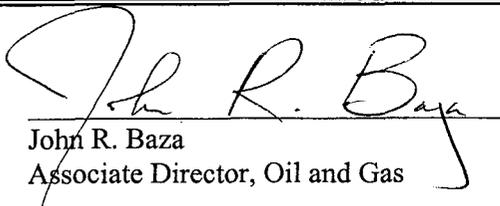
Cause No. UIC-263.1

Operator: River Gas Corporation
Wells: Utah D-9
Location: Section 32, Township 14 South, Range 9 East, Carbon County
API No.: 43-007-30438
Well Type: Disposal

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on November 14, 2000
2. Maximum Allowable Injection Pressure: 1,350 psig
3. Maximum Allowable Injection Rate: Contingent upon Maximum Allowable Injection Pressure
4. Injection Interval: 7,203 feet to 7,652 feet (injection into Navajo Sandstone, Kayenta Formation and Wingate Sandstone)
5. River Gas or subsequent operator will, within six months, update the "Drunkards Wash Injection Well Past and Future Performance" study. This modeling study included five injection wells, which were active at the time the report was written. River Gas now has twelve injection wells at Drunkards Wash. The information is necessary to support the permitting and future operation of these injection wells.

Approved by:


John R. Baza
Associate Director, Oil and Gas

November 14, 2000
Date

er

cc: Dan Jackson, Environmental Protection Agency
Carbon County Commission

DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM

PERMIT
STATEMENT OF BASIS

Applicant: River Gas Corporation

Well: Utah D-9

Location: T14S, R9E, S32, Carbon Co., UT

API: 4300730438

Ownership Issues:

The well is located on state land administered by the School and Institutional Trust Lands Administration (SITLA). Affidavits of Notification of surface owners within a half-mile radius have been provided.

Well Integrity:

Description of the Casing Program

Conductor Casing Description:

- 20", 48 #/ft, H-40, PE SMLS; installed 0' to 40'
- Top filled with 5 yards of ready-mix cement behind pipe

Surface Casing Description:

- 13 3/8", 48#/ft, H-40, ST&C SMLS; installed from 0' to 407'
- 490 sacks of Class G, 2% CaCl + 1/4 lb per sack Flow-seal
- 15.2 #/gallon density and 1.15 ft³/sack yield (displaced with 55 barrels of water)
- Landed 9 joints of casing at 407'

Intermediate Casing Description:

- 9-5/8", 36 #/ft K-55, LT&C SMLS; installed from 0' to 3533'
- 1st stage - 175 sacks 50/50 poz and 60 sacks of 10-1 RFC (displaced w/ 270 barrels of water)
- 2nd stage - 675 sacks 50/50 poz (displaced with 200 barrels of water)
- Landed 82 joints of casing at 3533'
- Stage Tool set at 2601'
- Casing shoe set at 3533'

Production Casing Description:

- 7", 26 #/ft, 1-55, installed from 0' to 8041'
- 1st stage 80 sacks 50/50 poz and 375 sacks 10-1 RFC (displace with 305 barrels

- of gel)
- 2nd stage 680 sacks 50/50 poz and 65 sacks 10-1 RFC (displace with 230 barrels of gel)
- 3rd stage 290 sacks 50/50 poz (displace with 131 barrels of water)

Casing String Detail

Number of joints	Description	Length	G.L>
1	shoe	2.00	8041.00
1	7", 26#/ft, J-55	41.82	7998.18
1	Float Collar	2.00	7996.18
49	7", 26#/ft, J-55	1983.76	6014.38
1	DV Tool	2.00	6012.38
64	7", 26#/ft, J-55	2576.62	3437.76
1	DV Tool	2.00	3435.76
82	7", 26#/ft, J-55	3435.76	0.00

On June 19, 2000, Schlumberger created a Cement Bond Log for the interval from 3439' TD to 130' TD and on August 13, 2000, they created a Cement Bond Log for the interval from 7998' TD to 250' TD. The bond documented in the latter log is sufficient to prevent any upward migration of fluid between the 7" casing and the borehole wall

Ground Water Protection:

Significant aquifers with high-quality ground water are generally not expected at or near the surface in the Blue Gate Shale Member of the Cretaceous Mancos Shale. An exception may exist in the Garley Canyon Sandstone Beds of the Blue Gate Shale Member where a minor ground water resource may exist. Conductor, surface, intermediate and injection casing will adequately protect these shallow strata. Other subsurface water is unlikely between the surface and the Cretaceous Ferron Sandstone Member of the Mancos Shale. The Ferron Sandstone Member, inclusive of the the coal measures, is the source of field produced / injectate water. The Ferron Sandstone is found 2781' below the surface in the subject well. Stim-Lab analyzed Ferron Sandstone Member waters that are currently being injected into the D-2. These are considered representative of that which will be shared, in injection, with the Utah D-9 injection well. They tested at 7,580 milligrams/Liter, Total Dissolved Solids. They also conducted compatibility tests on the injectate and connate waters and consider the scaling tendency to be slight.

Some 340 feet of the injection zone (Jurassic age Navajo Sandstone, Kayenta Formation and Wingate Sandstone) were perforated and swabbed. On August 15, 2000, 67 barrels of upper Navajo Sandstone formation water was recovered and on August 16, 2000, 53 barrels of Wingate Sandstone samples were gathered. Samples were gathered from each zone, packed in ice and transported to the analytical lab. On July 27, 2000, ChemTech-Ford Analytical Labs reported that the Navajo Sandstone waters tested at 103,000 milligrams/liter total dissolved solids and the Wingate Sandstone tested at 153,000 milligrams/liter total dissolved solids.

The Navajo Sandstone is a well-known fresh water aquifer at many locations in the state. In the San Rafael Swell area, the quality of Navajo Sandstone ground water is generally best near outcrop / recharge areas and poorer with increased depth and distance from recharge [Utah State Department of Natural Resources (DNR) Technical Publication # 78]. This premise has been supported by test results on samples taken from the subject well and other disposal wells in the field. Injection of Ferron Sandstone Member produced formation water into the specified formations at this location will result in dilution of more saline Navajo Sandstone formation water.

The proposed operation is expected to have little effect on the overall hydrology of the aquifer because of its great extent compared to the volume of fluid that will likely be injected. According to DNR Technical Publication #78, the Navajo Sandstone alone contains approximately 94,000,000 acre-feet of water in transient storage. Injection at a rate of 14,400 barrels per day for 10 years would result in approximately 6,775 acre-feet being injected. This equates to about 0.007% of the water already in storage in the Navajo Sandstone and would require at least 143 disposal wells working round the clock for 10 years to inject 1% of the stored volume in the Navajo Sandstone.

On August 17, 2000, the perforations in the Utah D-9 were broken down and acidized. Dowell conducted a Step-Rate Test on August 19, 2000. Stim-Lab analyzed the test data and reported the results on September 6, 2000. They reported a fracture parting pressure of 3,790 psi (427 psig) while pumping at a rate of 4.2 barrels per minute, resulting in a fracture gradient of 0.488 psi per foot of depth, a figure that reflects the range of values presented in nearby injection wells within the tension stress regime. River Gas Corporation proposes a Maximum Allowable Pressure of 1,350 psig. The Maximum Allowable Rate will be a function of that pressure and the operator proposes an average injection rate of 14,400 barrels per day.

More than 4000' of vertical stratigraphic separation exists between the injection interval and the base of the Ferron Sandstone Member. Additionally, some of the strata in that interval are resistant to fracture propagation. These include the anhydrites and limestones of the Jurassic Carmel Formation and the Mancos shale below the Ferron Sandstone Member. River Gas has funded studies of the stress regime extant in these rocks and has documentation indicating that they are experiencing more lateral stress, probably attributable to decollement-involved thrust faulting in the anhydrite section, than similar rocks further west.

After reviewing the supporting information which the operator provided with the application, it is my conclusion that injection into the Navajo Sandstone, Kayenta Formation, and Wingate Sandstone at this location would result in some dilution of the saline water present in the aquifer and a pressure increase near the well which would dissipate after injection ceases. No long term negative impacts are anticipated as a result of injection of produced water into the subject well.

Oil/Gas & Other Mineral Resources Protection:

The Ferron coal/gas zone is protected by casing and cement. No other known potentially producible zones were encountered by the well. The injection zone is isolated more than 4,000' below the productive interval.

A review of the well records of the Division of Oil, Gas and Mining reveals that there are 4 shallower Ferron coal bed methane production wells, all operated by River Gas Corporation, within a ½ mile radius of this proposed injection well.

Bonding:

River Gas Corporation has a \$200,000 statewide bond in place that provides coverage for plugging this well.

Actions Taken and Further Approvals Needed:

Notice of this application was published in the Salt Lake Tribune and The (Price, UT) Sun Advocate. In addition, copies of the notice were provided to the EPA, BLM (Moab, UT District Office), Carbon County, UT Assessor, School and Institutional Trust Lands Administration (SITLA) and River Gas Corporation. The proposed interval for injection includes the Navajo Sandstone, Kayenta Formation and Wingate Sandstone. Any future injection into a formation other than those specified will require administrative approval after appropriate sampling and testing.

A properly designed and constructed injection well, combined with periodic mechanical integrity tests, poses no threat to fresh or useable groundwater

supplies. The Division staff recommends approval of this application contingent upon no additional or unforeseen information being presented at a hearing that changes our analysis.

Reviewer(s): Christopher Kierst

Date: 11/9/2000

R649-5-2. Requirements For Class II Injection Wells Including Water Disposal, Storage And Enhanced Recovery Wells.

COMMENTS

1. Injection wells shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.

2. The application for an injection well shall include a properly completed UIC Form 1 and the following:

2.1. A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed well, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.

2.2. Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper, and porosity.

2.3. A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.

2.4. Copies of logs already on file with the division should be referenced, but need not be refiled.

2.5. A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.

2.6. A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.

2.7. Standard laboratory analyses of (1) the fluid to be injected, (2) the fluid in the formation into which the fluid is being injected, and (3) the compatibility of the fluids.

2.8. The proposed average and maximum injection pressures.

2.9. Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.

2.10. Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent; also information relative to geologic structure near the proposed well which may effect the conveyance and/or storage of the injected fluids.

2.11. A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter improper intervals.

2.12. An affidavit certifying that a copy of the application has been provided to all operators, owners, and surface owners within a one-half mile radius of the proposed injection well.

2.13. Any other additional information that the board or division may determine is necessary to adequately review the application.

Although not sure about source of 5-30. Also, OK of previous wells coverage to mile will be taken.

OK

OK

OK

Casing program OK - no testing program - what is "no appreciable loss" 15,000 bpd max, produced water, composition from D-2 14,400 bpd avg.

1700 # max on UIC Form 1 and (B50) in 9/14/2000 holding letter ???

Step Lat Test 8/19/2000 - Report included (Stim lab)

One anhydrite bed in zone - 2 remain

OK 4/11/2000 letter 9/14/2000

Seascout Letter of 9/10/2000

12.35 10/26

DIVISION OF OIL, GAS AND MINING

5. Lease Designation and Serial Number:
ML-39915

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

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

8. Well Name and Number:
Utah D9

9. API Well Number:
43-007-30438

10. Field or Pool, or Wildcat:
Drunkards Wash

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:
6825 S. 5300 W. P.O. Box 851 Price, Utah 84501 (435) 613-9777

4. Location of Well Footages:
QQ, Sec., T., R., M.:
1060' FNL, 1487' FWL
SE/NW SEC. 32, T14S, R09E, SLB & M

County: Carbon County
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 _____
- Approximate date work will start _____

- New Construction
- Pull or Alter Casing
- 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 Injection Notice
- Date of work completion _____

- New Construction
- Pull or Alter Casing
- Reperforate
- Vent or Flare
- Water Shut-Off

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 Date of First Injection on the Utah D9 well was on 11/17/2000.

RECEIVED
NOV 20 2000
DIVISION OF
OIL, GAS AND MINING

ORIGINAL

13. Name & Signature: Frankie Hathaway *Frankie Hathaway* Title: Administrative Assistant Date: 11/20/2000

(This space for state use only)

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NO.

ML-39915

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

Drunkards Wash UTU-67921X

8. FARM OR LEASE NAME

Utah

9. WELL NO.

D9

10. FIELD AND POOL, OR WILDCAT

Drunkards Wash

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

SE/NW, Sec 32, T14S, R09E, SLB&M

12. COUNTY

Carbon

13. STATE

Utah

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other SWD
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
6825 S. 5300 W. P.O. Box 851 Price, Utah 84501 (435) 613-9777

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface 9 1060' FNL & 1487' FWL
At top prod. interval reported below
At total depth

14. API NO. 43-007-30438 DATE ISSUED 6/11/98

15. DATE SPUDDED 5/22/00 16. DATE T.D. REACHED 7/25/00 17. DATE COMPL. (Ready to prod) 8/18/00 or (Plug & Abd.) 18. ELEVATIONS (DF, REB, RT, GR, ETC.) GR 6412' 19. ELEV. CASINGHEAD N/A

20. TOTAL DEPTH, MD & TVD 8082' 21. PLUG BACK T.D., MD & TVD 8041' 22. IF MULTIPLE COMPL., HOW MANY N/A 23. INTERVALS DRILLED BY → ROTARY TOOLS to TD CABLE TOOLS N/A

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD OR TVD)
Navajo Sandstone - Top 7200'-7470', Kayenta 7505'-7652' & Wingate Sandstone 7681'- 7684'
25. WAS DIRECTIONAL SURVEY MADE

26. TYPE, ELECTRIC AND OTHER LOGS RUN Caliper, Laterolog, SFF, GR, Caliper, Comp Density, & Neutron
27. WAS WELL CORED YES NO DRILL STEM TEST YES NO (Submit analysis) (See reverse side)

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENT RECORD	AMOUNT PULLED
20"		40'	24"	5 yards ready mix	
13 3/8"	48#	407'	17 1/2"	490 sks Class G, 2% SI + 1/4#/sk D29	
9 5/8"	36#	3532'	12 1/4"	850 sks 50/50 POZ, 8% D-20, 10% D-44, 2% S01, + 60 sks RFC	
7"	26#	8041'	8 3/4"	1050 sks 50/50 POZ + 440 sks 10-1 RFC (Thixotropic)	

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET
							N/A

31. PERFORATION RECORD (Interval, size and number)
Navajo Sandstone: 7200'-7203', 7252'-7256', 7272'-7275', 7295'-7299', 7316'-7322', 7343'-7346', 7373'-7376', 7403'-7406', 7435'-7438', 7467'-7470'
Kayenta Formation: 7505'-7509', 7649'-7652'
Wingate Formation: 7681'-7684'

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED
RECEIVED
DEC 11 2000

33. PRODUCTION
DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping---size and type of pump)

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL---BBL.	GAS---MCF.	WATER---BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL---BBL.	GAS---MCF.	WATER---BBL.	OIL GRAVITI - API (CORR.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY **ORIGINAL**

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 Permitting Specialist DATE 12/5/00

7-10-1964

WELL NUMBER: Utah D9

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS		
				NAME	TOP MEAS. DEPTH	TRUE VERT. DEPTH
Ferron			Navajo Sandstone: 7200'-7203', 7252'-7256' 7272'-7275', 7295'-7299' Kayenta Formation: 7505'-7509', 7649'-7652' Wingate Formation: 7681'-7684'	Ferron	2781	
				Tununk	3070	
				Dakota	3444	
				Cedar Mtn.	3472	
				Morrison	4314	
				Summerville	4816	
				Curtis	5260	
				Entrada	5416	
				Carmel	6602	
				Navajo	7205	
				Kayenta	7500	
				Wingate	7653	
				Chinle	8040	

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: 6825 S. 5300 W. P.O. Box 851 Price, Utah 84501 (435) 613-9777

4. Location of Well Footages:
QQ, Sec., T., R., M.: SLB & M

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:

County: Carbon County
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 Change of Operator
- Approximate date work will start _____

- New Construction
- Pull or Alter Casing
- 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 _____
- Date of work completion _____

- New Construction
- Pull or Alter Casing
- Reperforate
- Vent or Flare
- Water Shut-Off

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



Title: Development Manager

Date: 12/19/00

(This space for state use only)

RGC/Phillips Merger

List of Affected BLM Leases and Rights-of-Way

A. Oil & Gas Leases

UTU-47157	UTU-70219	UTU-75016
UTU-49631	UTU-70400	UTU-75019
UTU-50645	UTU-71390	UTU-75021
UTU-51584	UTU-72003	UTU-75022
UTU-53872	UTU-72004	UTU-76332
UTU-57821	UTU-72350	UTU-76334
UTU-60402	UTU-72355	UTU-77351
UTU-60925	UTU-72358	UTU-77353
UTU-61154	UTU-72377	UTU-77354
UTU-61155	UTU-72470	UTU-78408
UTU-61158	UTU-72477	UTU-78409
UTU-61547	UTU-72624	UTU-78410
UTU-61548	UTU-72723	UTU-78411
UTU-62145	UTU-72724	UTU-78412
UTU-62276	UTU-72746	UTU-78413
UTU-65298	UTU-73004	UTU-78782
UTU-65300	UTU-73075	UTU-78783
UTU-65302	UTU-73330	UTU-79150
UTU-65303	UTU-73331	UTU-79151
UTU-67621	UTU-73523	UTU-79152
UTU-67839	UTU-73752	UTU-79153
UTU-67906	UTU-73884	UTU-79154
UTU-68314	UTU-74376	UTU-79155
UTU-69449	UTU-75015	UTU-79159

B. Rights-of-Way

UTU-73226	UTU-77141	UTU-77976
UTU-74319	UTU-77141-01	UTU-77989
UTU-74320	UTU-77151	UTU-77989-01
UTU-76610	UTU-77151-01	
UTU-76629	UTU-77154	

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number <u>See Attached</u>	API Number
Location of Well Footage : _____ County : _____ QQ, Section, Township, Range: _____ State : UTAH	Field or Unit Name Lease Designation and Number

EFFECTIVE DATE OF TRANSFER: 1/1/01

CURRENT OPERATOR

Company: River Gas Corporation Name: Cal Hurtt
Address: 1300 McFarland Blvd. NE, Suite 300 Signature: Cal Hurtt
city Tuscaloosa state AL zip 35406 Title: Development Supervisor
Phone: (205) 759-3282 Date: 12/19/00

Comments: Change in operatorship due to merger of River Gas Corporation into Phillips Petroleum Company effective 12/31/00 at 11:59 p.m.

NEW OPERATOR

Company: Phillips Petroleum Company Name: X Billy Stacy
Address: 9780 Mt. Pyramid Court Signature: Billy Stacy
city Englewood state CO zip 80112 Title: Asset Manager
Phone: (720) 344-4984 Date: 2-6-01

Comments: Please send all reports and correspondence to:
Phillips Petroleum Company
P.O. Box 3368
Englewood, CO 80155-3368

(This space for State use only)

Transfer approved by: [Signature]
Title: Field Services Manager

Approval Date: 2-21-01

Comments:

Disposal Wells to be transferred from RGC to Phillips Petroleum Company

Well #	API #	Location	Section	Township	Range
American Quasar D1	4300730040	999FSL, 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

LAW OFFICES

PRUITT, GUSHEE & BACHTELL

SUITE 1850 BENEFICIAL LIFE TOWER

SALT LAKE CITY, UTAH 84111-1495

(801) 531-8446

TELECOPIER (801) 531-8468

E-MAIL: mail@pgblaw.com

THOMAS W. BACHTELL
A. JOHN DAVIS, III
JOHN W. ANDERSON
FREDERICK M. MACDONALD
GEORGE S. YOUNG
ANGELA L. FRANKLIN
JOHN S. FLITTON
MICHAEL S. JOHNSON
WILLIAM E. WARD

SENIOR COUNSEL:

ROBERT G. PRUITT, JR.
OLIVER W. GUSHEE, JR.

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:

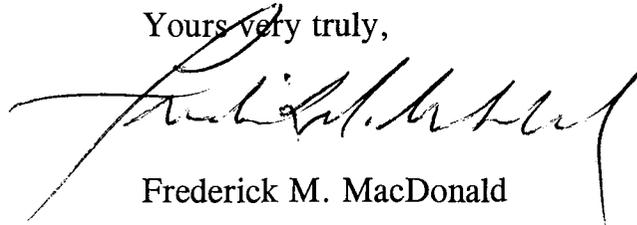
Phillips Petroleum Company
Attn: Billy Stacy, Operations Manager
P.O. Box 3368
Englewood, CO 80155-3368
Telephone No.: (720) 344-4984

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 black ink, appearing to read "Frederick M. MacDonald". The signature is fluid and cursive, with a long, sweeping underline that extends to the right.

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>

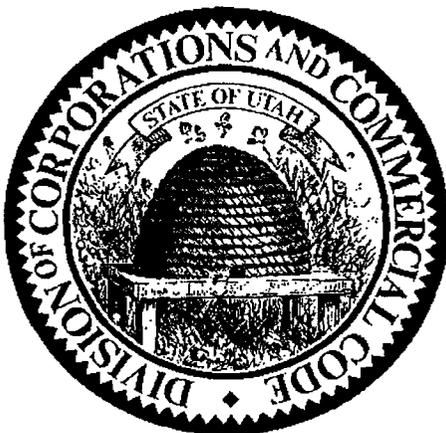
Registration Number: 562960-0143
Business Name: PHILLIPS PETROLEUM COMPANY
Registered Date: JUNE 14, 1946

01/12/01

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

6870 JOURNAL
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

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 Ric Campbell Date 12/13/00
RIC CAMPBELL
ACTING DIRECTOR



TAP
FILED
DEC 12 2000

Utah Div. Of Corp. & Comm. Code



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."

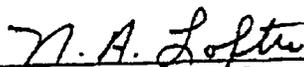
"Any Vice President, the Treasurer, any Assistant Treasurer, the Secretary, any Assistant Secretary, and each of them severally, be and hereby is authorized to make, execute,

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

FEB 02 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, 8th 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	<input checked="" type="checkbox"/>	4-KAS	<input checked="" type="checkbox"/>
2. CDW		5- 30	<input checked="" type="checkbox"/>
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**

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

TO: (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
FAUSETT D5	43-007-30351	12165	16-14S-09E	Fee	SWD	A
ARCADIA-TELONIS 1 (D-2)	43-007-30093	99990	19-14S-09E	Fee	SWD	A
UTAH D-4	43-007-30314	11256	24-14S-09E	State	SWD	A
UTAH M-1	43-007-30199	11256	26-14S-09E	State	SWD	A
UTAH D-9	43-007-30438	12771	32-14S-09E	State	SWD	A
USA D6	43-007-30100	12466	34-14S-09E	Federal	SWD	A
DRUNKARDS WASH 31-1 (D-1)	43-007-30040	11256	31-14S-10E	State	SWD	A
UTAH D8	43-007-30431	11256	12-15S-09E	State	SWD	A
RGC D-10	43-007-30520	12545	28-15S-09E	Fee	SWD	A
UTAH M-2	43-007-30066	2889	34-15S-09E	Federal	TW	A
SAMPINOS D-14	43-007-30567	12729	16-15S-10E	Fee	SWD	A
UTAH D-3	43-007-30290	11256	18-15S-10E	State	SWD	A
UTAH D7	43-015-30338	12404	02-16S-09E	State	SWD	A
D-11	43-015-30356	12572	13-16S-09E	Federal	SWD	A

OPERATOR CHANGES DOCUMENTATION

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 01/29/2001
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 01/29/2001
- 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") Proj:** 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: 02/22/2001

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 02/20/2001
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 02/20/2001
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.: 5952189

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: N/A

FILMING:

1. All attachments to this form have been **MICROFILMED** on: 2.22.01

FILING:

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

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 type="checkbox"/> OTHER: Injection Well		5. Lease Designation and Serial Number: ML - 39915
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, Utah 84501 (435) 613-9777		7. Unit Agreement Name: UTU67921X Drunkards Wash
4. Location of Well Footages: 1060' FNL, 1487' FWL QQ, Sec., T., R., M.: SE/NW, Sec 32, T14S, R09E, SLB & M		8. Well Name and Number: UTAH D9
		9. API Well Number: 43-007-30438
		10. Field or Pool, or Wildcat: Drunkards Wash
		County: Carbon County 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 checked="" 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 _____	
<input type="checkbox"/> Other _____		Date of work completion _____	
Approximate date work will start _____			

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.)

On November 17, 2000, there was a Sundry submitted regarding the Date of First Injection for the Utah D9, after which it was determined that there wasn't enough resources to turn the injection well on. Please be advised that the actual Date of First Injection was March 3, 2001.

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

RECEIVED
JAN 28 2002
DIVISION OF
OIL, GAS AND MINING

13. Name & Signature: Rochelle Crabtree  Title: Administrative Assistant Date: 01/17/02

(This space for state use only)



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

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

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,

William Rainbat

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DEC 02 2002

DIVISION OF
OIL, GAS AND MINING

UIC Well List

SWD WELLS							
api	well_name	section	township	range	well_type	well_status	lease_type
4300730093	ARCADIA-TELONIS 1 (D-2)	19	140S	090E	WD	A	FEE
4301530356	D-11	13	160S	090E	WD	A	FEDERAL
4300730040	DRUNKARDS WASH 31-1 (D-1)	31	140S	100E	WD	A	STATE
4300730351	FAUSETT D5	16	140S	090E	WD	A	FEE
4301530531	PPCO D13	30	160S	090E	WD	DRL	FEE
4300730520	RGC D-10	28	150S	090E	WD	A	FEE
4300730567	SAMPINOS D-14	16	150S	100E	WD	A	FEE
4300730100	USA D6	34	140S	090E	WD	A	FEDERAL
4300730819	UTAH D15	34	130S	090E	WD	APD	STATE
4300730290	UTAH D-3	18	150S	100E	WD	A	STATE
4300730314	UTAH D-4	24	140S	090E	WD	A	STATE
4301530338	UTAH D7	02	160S	090E	WD	A	STATE
4300730431	UTAH D8	12	150S	090E	WD	A	STATE
4300730438	UTAH D-9	32	140S	090E	WD	A	STATE
4300730199	UTAH M-1	26	140S	090E	TW	A	STATE
4300730066	UTAH M-2	34	150S	090E	TW	A	FEDERAL

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JAN 0 8 2003

DIV. OF OIL, GAS & MINING

List of Produced Water Ponds/Pits

	Permit/ License No.	State/Federal		Immediate Name Change Required		Other Immediate Actions Required*		Agency	Agency Contact Name	Agency Contact Number
		S	F	Y	N	Y	N			
1	EVAPORATION POND	X		X				Utah Dept of Natural Resources, Dept. of Oil Gas and Mining	Gil Hunt	(801) 538-5340
2	D-1 POND	X		X				Utah Dept of Natural Resources, Dept. of Oil Gas and Mining	Gil Hunt	(801) 538-5340
3	D-2 (C-2) POND	X		X				Utah Dept of Natural Resources, Dept. of Oil Gas and Mining	Gil Hunt	(801) 538-5340
4	D-3 POND	X		X				Utah Dept of Natural Resources, Dept. of Oil Gas and Mining	Gil Hunt	(801) 538-5340
* Describe: OPERATIONAL PERMITS FOR PRODUCED WATER PONDS										

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JAN 08 2003

DIV. OF OIL, GAS & 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: See Attached List
2. NAME OF OPERATOR: Phillips Petroleum Company		9. API NUMBER: See List
3. ADDRESS OF OPERATOR: 980 Plaza Office CITY Bartlesville STATE OK ZIP 74004		10. FIELD AND POOL, OR WILDCAT:
4. LOCATION OF WELL FOOTAGES AT SURFACE: See Attached List		COUNTY:
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> 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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<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.

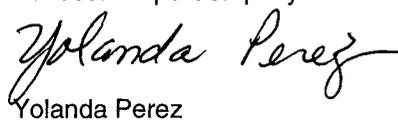
Conoco Inc. was merged into Phillips Petroleum Company, the surviving corporation, on December 31, 2002. In connection with this merger and effective on the same date, the name of the surviving corporation was changed to "ConocoPhillips Company". We are requesting that a new Operator Number be assigned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

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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)

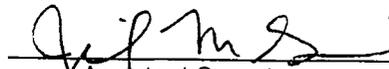


SECRETARY'S CERTIFICATE

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 12th 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 12th 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 §

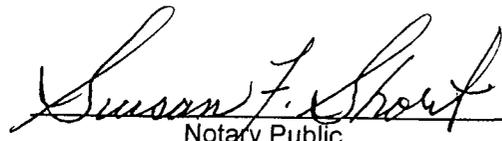
This instrument was acknowledged before me on January 7, 2003, by Jennifer M. Garcia, Assistant Secretary of ConocoPhillips Company, a Delaware corporation, on behalf of said Corporation.



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JAN 08 2003

DIV. OF OIL, GAS & MINING


 Notary Public

Delaware

PAGE 1

The First State

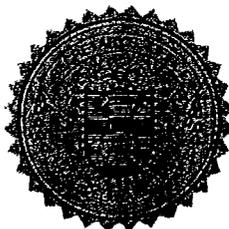
I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "PHILLIPS PETROLEUM COMPANY", CHANGING ITS NAME FROM "PHILLIPS PETROLEUM COMPANY" TO "CONOCOPHILLIPS COMPANY", FILED IN THIS OFFICE ON THE 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.

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JAN 08 2003

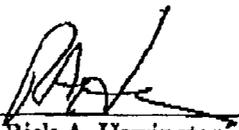
DIV. OF OIL, GAS & MINING

FROM RL&F#1

(THU) 12. 12 ' 02 13:32/ST. 13:31/NO. 4864756279 P 6

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

PHILLIPS PETROLEUM COMPANY

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

HOU03:884504.1

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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,

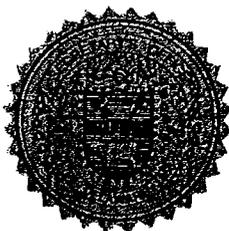
WITH AND INTO "CONOCOPHILLIPS COMPANY" UNDER THE NAME OF "CONOCOPHILLIPS COMPANY", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWELFTH DAY OF DECEMBER, A.D. 2002, AT 1:44 O'CLOCK P.M.

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.

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JAN 08 2003

DIV. OF OIL, GAS & MINING



0064324 8100M

030002793

Harriet Smith Windsor

Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 2183370

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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DIV. OF OIL, GAS & MINING

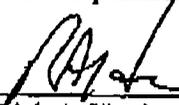
Sixth: A copy of the agreement and plan of merger will be furnished by the Surviving Corporation, on request and without cost, to any stockholder of any Constituent Corporation; and

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)

WJ

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

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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

RECEIVED

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.



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	<input checked="" type="checkbox"/>
2. CDW	<input type="checkbox"/>
3. FILE	<input type="checkbox"/>

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: **12-31-02**

FROM: (Old Operator):	TO: (New Operator):
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:

WELL(S)	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
UTAH D-15	34-13S-09E	43-007-30819	99999	STATE	SWD	APD
FAUSETT D-5	16-14S-09E	43-007-30351	12165	FEE	SWD	A
ARCADIA-TELONIS 1 (D-2)	19-14S-09E	43-007-30093	99990	FEE	SWD	A
UTAH D-4	24-14S-09E	43-007-30314	11256	STATE	SWD	A
UTAH M-1	26-14S-09E	43-007-30199	11256	STATE	TW	A
UTAH D-9	32-14S-09E	43-007-30438	12771	STATE	SWD	A
USA D-6	34-14S-09E	43-007-30100	12466	FEDERAL	SWD	A
UTAH D-8	12-15S-09E	43-007-30431	11256	STATE	SWD	A
RGC D-10	28-15S-09E	43-007-30520	12545	FEE	SWD	A
UTAH M-2	34-15S-09E	43-007-30066	2889	FEDERAL	TW	A
DRUNKARDS WASH 31-1 (D-1)	31-14S-10E	43-007-30040	11256	STATE	SWD	A
SAMPINOS D-14	16-15S-10E	43-007-30567	12729	FEE	SWD	A
UTAH D-3	18-15S-10E	43-007-30290	11256	STATE	SWD	A
UTAH D-7	02-16S-09E	43-015-30338	12404	STATE	SWD	A
D-11	13-16S-09E	43-015-30356	12572	FEDERAL	SWD	A
PPCO D13	30-16S-09E	43-015-30531	99999	FEE	SWD	DRL

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 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: 02/04/2003

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 02/03/2003

2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 02/03/2003

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
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.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Water Disposal Well</u>			5. LEASE DESIGNATION AND SERIAL NUMBER: ML-39915
2. NAME OF OPERATOR: ConocoPhillips Company			6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
3. ADDRESS OF OPERATOR: P.O. Box 851 CITY Price STATE UT ZIP 84501		PHONE NUMBER: (435) 613-9777	7. UNIT or CA AGREEMENT NAME: Drunkards Wash UTU-67921X
4. LOCATION OF WELL FOOTAGES AT SURFACE: ¹⁹⁶⁰ 1060' FNL, 1487' FWL			8. WELL NAME and NUMBER: Utah D-9
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <u>SENW 32 14S 09E S</u>			9. API NUMBER: 4300730438
			10. FIELD AND POOL, OR WILDCAT: Drunkards Wash
			COUNTY: <u>Carbon</u>
			STATE: <u>UTAH</u>

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<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 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 checked="" type="checkbox"/> OTHER: <u>Add tubing and packer</u>
	<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.

ConocoPhillips Company would like to request approval to install tubing and packer in the Utah D-9 salt water disposal well. This well was first put in to operation in March 2001. A packer and tubing will be installed to improve the long term integrity of this well for disposal capabilities. The procedure for installation is presented on the attached page.

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

Date: 07-20-05
By: [Signature]

AN M.I.T. SHALL BE
RUN PRIOR TO PUTTING
THE WELL BACK ON
INJECTION

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JUL 12 2005

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Jean Semborski TITLE Construction Supervisor

SIGNATURE [Signature] DATE 7/8/2005

(This space for State use only)

Drunkard's Wash Workover Procedure

'Our work is never so urgent or important that we cannot take the time to do it safely.'

UTAH D-9 PROCEDURE :

Ensure that well is shut in, energy isolated, locked and tagged out; Cathodic protection disconnected. Record SI tbg; SI csg; Braidenhead : pressures. NOTE : This well will go on a vacuum.

Notify the State of Utah representatives a minimum of 24 hours prior to moving in to inform them of ConocoPhillips plans and timing.

1. Prior to rigging up, close 7 1/16" full opening valve on wellhead a minimum of 24 hours in advance of well work, record SI tubing, SI casing, and Braden head pressures.
2. Hold pre-job Safety Meeting. Lock out tag out energy sources, bleed pressure from flowline to wellhead, remove flow line from wellhead, cover end of line so debris will not get into it.
3. MI & RU WO rig.
4. Measure wellhead pressure with well having been shut in for minimum of 24hrs. If pressure is not below 5 psi, open well to tank and measure flowing wellhead pressure.
5. ND 5M# wellhead valve, NU BOP.
6. PU & RIH w/ 6 1/8" bit, 6" scrapper and tubing to 8000', POOH and lay down BHA and 2 7/8" tubing. Be careful going through DV tools @ 3440' & 5993'
7. Change pipe rams to 4.5",
8. Pick up and make up in this order from bottom up, 3.5" wireline re-entry guide, 3.5" pump out plug, 2.75" XN profile seating nipple (2.64" ID), 6' pup joint of 3.5" 9.3# L-80 8R EUE tubing, 2.81" X profile seating nipple, 7" Halliburton PLS packer, with x-over from 3 1/2" to 4.5 tubing.
9. TIH 4.5" tubing with packer, position packer at ~ 7,150' +/- one joint, be careful when passing through DV tools @ 3340 & 5993', use a short pup joint to position top tubing connection bottom of tubing spool, pump 142 bbls. packer fluid down back side, rotate string quarter turn to right, hold torque and set down to set packer, pick up to confirm, set down and stack out, observe well to ensure packer is set and holding.
10. RD BOP's, pick up on tubing pup joint, set slips on top of tubing spool, break out pup make up tubing hanger, make up pup to hanger, pick up remove slips, land hanger, record landing weight, remove landing pup joint.
11. RU tree, pump out plug, RD and MO rig.
12. Rig up surface line to tree to inject down tubing.
13. Turn well over to production. Notify Operations Supervisors Steve Lessar or Russell Getman.

RECEIVED

JUL 12 2005

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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

ORIGINAL

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Gas *WD*

2. Name of Operator
ConocoPhillips

3. Address and Telephone No.
 6825 South 5300 West, P.O. Box 851, Price, Utah 84501 (435) 613-9777

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 1060' FNL, 1487' FWL
 SE/NW, SEC. 32, T14S, R09E, SLB&M

5. Lease Designation and Serial No.
 NIT-39015

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

7. If Unit or CA, Agreement Designation
 Drunkards Wash UTU-67921X

8. Well Name and No.
 Utah D-9

9. API Well No.
 43-007-30438

10. Field and Pool, or Exploratory Area
 Drunkards Wash

11. County or Parish, State
 Carbon County, Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent <input type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Online Notice <input type="checkbox"/> Change of Name <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other <u>Plug & Packer</u>	<input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Dispose Water <small>(Note: Report results of multiple completion on Well Completion or</small>

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

10-19-05: SET WEATHEFORD PACKER AT 7050'.
 10-20-05: INSTALLED 7045' OF 4 1/2" 11.6# N-80 TUBING AND SEAL ASSEMBLY AND LATCHED INTO PACKER AT 7050' PERFORMED MIT, PRESSURED TESTED TUBING/CASING TO 1000# FOR 30 MINUTES. MIT WITNESSED BY MARK JONES WITH DOGM.

RECEIVED
NOV 01 2005

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct
 Signed Lynnette Allred Title Sr. Operations Assistant Date October 25, 2005

(This space for Federal or State office use)

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

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

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: ML-39915
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: DRUNKARDS WASH
1. TYPE OF WELL Water Disposal Well	8. WELL NAME and NUMBER: UTAH D-9
2. NAME OF OPERATOR: CONOCOPHILLIPS COMPANY	9. API NUMBER: 43007304380000
3. ADDRESS OF OPERATOR: P.O. Box 51810 , Midland, TX, 79710 1810	PHONE NUMBER: 432 688-6943 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1960 FNL 1487 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 32 Township: 14.0S Range: 09.0E Meridian: S	9. FIELD and POOL or WILDCAT: DRUNKARDS WASH COUNTY: CARBON STATE: UTAH

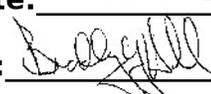
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 2/22/2011	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="MIT"/>

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

A successful mechanical integrity test was performed on the above disposal well on February 22, 2011. The test was witnessed by a representative of DOGM.

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

Date: 03/09/2011
By: 

NAME (PLEASE PRINT) Donna Williams	PHONE NUMBER 432 688-6943	TITLE Sr. Regulatory Specialist
SIGNATURE N/A		DATE 3/8/2011

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: ML-39915
1. TYPE OF WELL Water Disposal Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: CONOCOPHILLIPS COMPANY	7. UNIT or CA AGREEMENT NAME: DRUNKARDS WASH
3. ADDRESS OF OPERATOR: P.O. Box 51810 , Midland, TX, 79710 1810	8. WELL NAME and NUMBER: UTAH D-9
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1960 FNL 1487 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 32 Township: 14.0S Range: 09.0E Meridian: S	9. API NUMBER: 43007304380000
9. FIELD and POOL or WILDCAT: DRUNKARDS WASH	COUNTY: CARBON
9. FIELD and POOL or WILDCAT: DRUNKARDS WASH	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/25/2016	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input style="width: 50px;" type="text" value="MIT"/>

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

4/25/2016: MIRU. Test annulus to 1020#. Held for 30 minutes. Tested good. Witnessed by DOGM representative. Chart attached.

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

Date: June 01, 2016

By: 

NAME (PLEASE PRINT) Donna Williams	PHONE NUMBER 432 688-6943	TITLE Sr. Regulatory Specialist
SIGNATURE N/A		DATE 5/26/2016

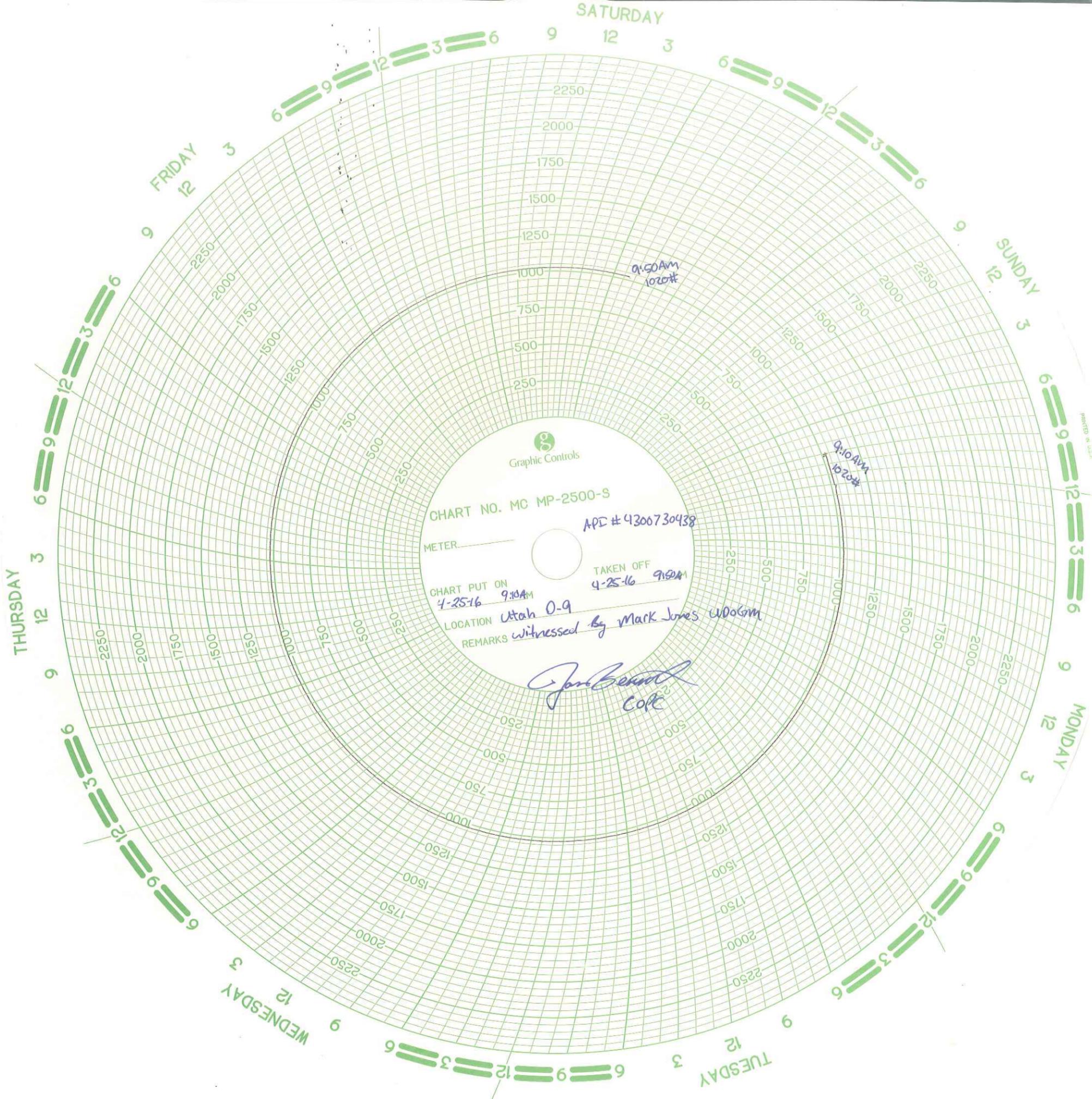


CHART NO. MC MP-2500-S

METER _____

CHART PUT ON
4-25-16 9:10AM

API # 4300730438

TAKEN OFF
4-25-16 9:50AM

LOCATION Utah O-9

REMARKS witnessed by Mark Jones WDOGm

Jan Bernard Corp

10:50 AM
1020#

9:10 AM
1020#