Form 3160-3
(July 1992)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

FORM APPROVED
OBM NO. 1004-0136
Expires: February 28,1995

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

5. LEASE DESIGNATION AND SERIAL NO.: U-0561

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

7. UNIT AGREEMENT NAME: RED WASH

8. FARM OR LEASE NAME, WELL NO.: RW #13-25A

9. API WELL NO.:

10. FIELD AND POOL, OR WILDCAT: RED WASH

11. SEC.,T.,R.,M., OR BLK AND SURVEY OR AREA: Sec. 25, T7S, R22E, SLB&M

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

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

2. NAME OF OPERATOR
Shenandoah Energy Inc.

3. ADDRESS AND TELEPHONE NO. Phone: 435-781-4341 Fax: 435-781-4329
11002 East 17500 South
Vernal, Utah 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface
664' FWL 1446' FSL NW SW
At proposed prod. Zone
Same

4448686 N
636669 E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
5 miles West of Redwash Utah

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

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. Unit line if any): 664'

16. NO. OF ACRES IN LEASE: 1920

17. NO. OF ACRES ASSIGNED TO THIS WELL: 40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING,COMPLETED, OR APPLIED FOR ON THIS LEASE, FT.: 2640 ±

19. PROPOSED DEPTH: 6055'

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5503.7'

22. APPROX. DATE WORK WILL START*
A.S.A.P

23. PROPOSED CASING AND CEMENTING PROGRAM
REFER TO S.O.P.

Shenandoah Energy Inc. proposes to drill a well to 6055' to test the Green River. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirements.

See Onshore Order No. 1 attached.

Please be advised that Shenandoah Energy Inc. is considered to be the operator of the above mentioned well. Shenandoah Energy Inc. agrees to be responsible under the terms and conditions of the lease for the operations conducted upon the lease lands.

Bond coverage for this well is provided by Bond No. 0969. The principal is Shenandoah Energy Inc. via surety as consent as provided for in 43 CFR 3104.2.

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

24

SIGNED John Busch TITLE Red Wash Operations Representative DATE May 19, 2000

(This space for Federal or State office use)

PERMIT NO. 43-047-33575 APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
CONDITIONS OF APPROVAL, IF ANY:

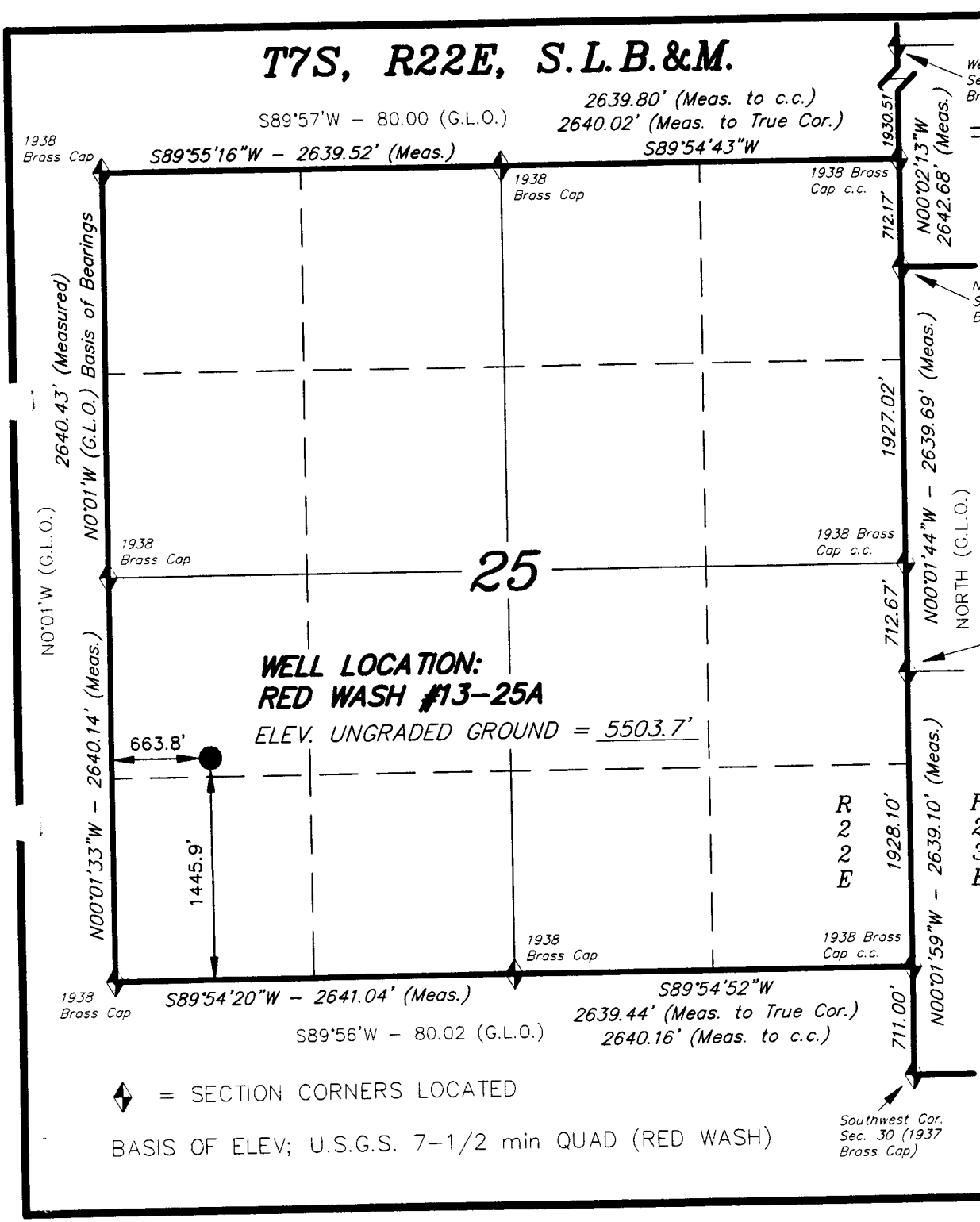
APPROVED BY Bradley G. Hill TITLE BRADLEY G. HILL RECLAMATION SPECIALIST III DATE 6/6/00

*See Instructions On Reverse Side

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

Federal Approval of this Action is Necessary

T7S, R22E, S.L.B.&M.



SHENANDOAH ENERGY, INC.

WELL LOCATION, RED WASH #13-25A, LOCATED AS SHOWN IN THE NW 1/4 SW 1/4 OF SECTION 25, T8S, R22E, S.L.B.&M. UINTAH COUNTY, UTAH.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION No. 144102
STATE OF UTAH

GENE STEWART
REGISTERED LAND SURVEYOR
NO. 144102
STATE OF UTAH

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (RED WASH)

TRI STATE LAND SURVEYING & CONSULTING
38 WEST 100 NORTH – VERNAL, UTAH 84078
(435) 781-2501

SCALE:	1" = 1000'	SURVEYED BY:	D.J.S.
DATE:	5-16-00	WEATHER:	FAIR
DRAWN BY:	J.R.S.	FILE #	

DRILLING PROGRAM

ONSHORE OIL & GAS ORDER NO. 1
Approval of Operations on Onshore
Federal Oil and Gas Leases

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

1. Formation Tops
The estimated tops of important geologic markers are as follows:

Formation	Depth	Prod. Phase Anticipated
Uinta	Surface	
Green River	3110'	
Mahogany Ledge	4046'	
Mesa	5880'	
TD (Green River)	6055'	Oil

2. Anticipated Depths of Oil Gas Water and Other Mineral Bearing Zones
The estimated depths at which the top and bottom of the anticipated water, oil, gas. Or other mineral bearing formations are expected to be encountered are as follows:

Substance	Formation	Depth
Oil/Gas	Green River	6055'

All fresh water and prospectively valuable minerals encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

All water shows and water-bearing sands will be reported to the BLM in Vernal, Utah. Copies of State of Utah form OGC-8-X are acceptable. If no flows are detected, samples will be submitted to the BLM along with any water analyses conducted.

3. Anticipated Bottom Hole Pressures
Maximum anticipated bottom hole pressure equals approximately 2402.0 psi.

4. Surface Owner
Federal

MULTI-POINT SURFACE USE & OPERATIONS PLAN

SHENANDOAH ENERGY INC.
RED WASH #13-25A
NW SW SEC. 25, T7S, R22E
UINTAH COUNTY, UTAH

See attached maps
Topo map A- Access routes
Topo map B- Proposed Access road
Topo map C- Location of wells within a one mile radius
Topo map D- Proposed pipeline

Lessee's or Operator's Representative:

John Busch
Red Wash Operations Rep.
Shenandoah Energy Inc.
11002 East 17500 South
Vernal, Utah 84078
(435) 781-4341

Certification:

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil & Gas Orders, the approved plan of operations, and any applicable Notice to Lessees.

Shenandoah Energy Inc. will be fully responsible for the actions of their subcontractors.

A complete copy of the approved Application for Permit to Drill will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

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

May 19, 2000

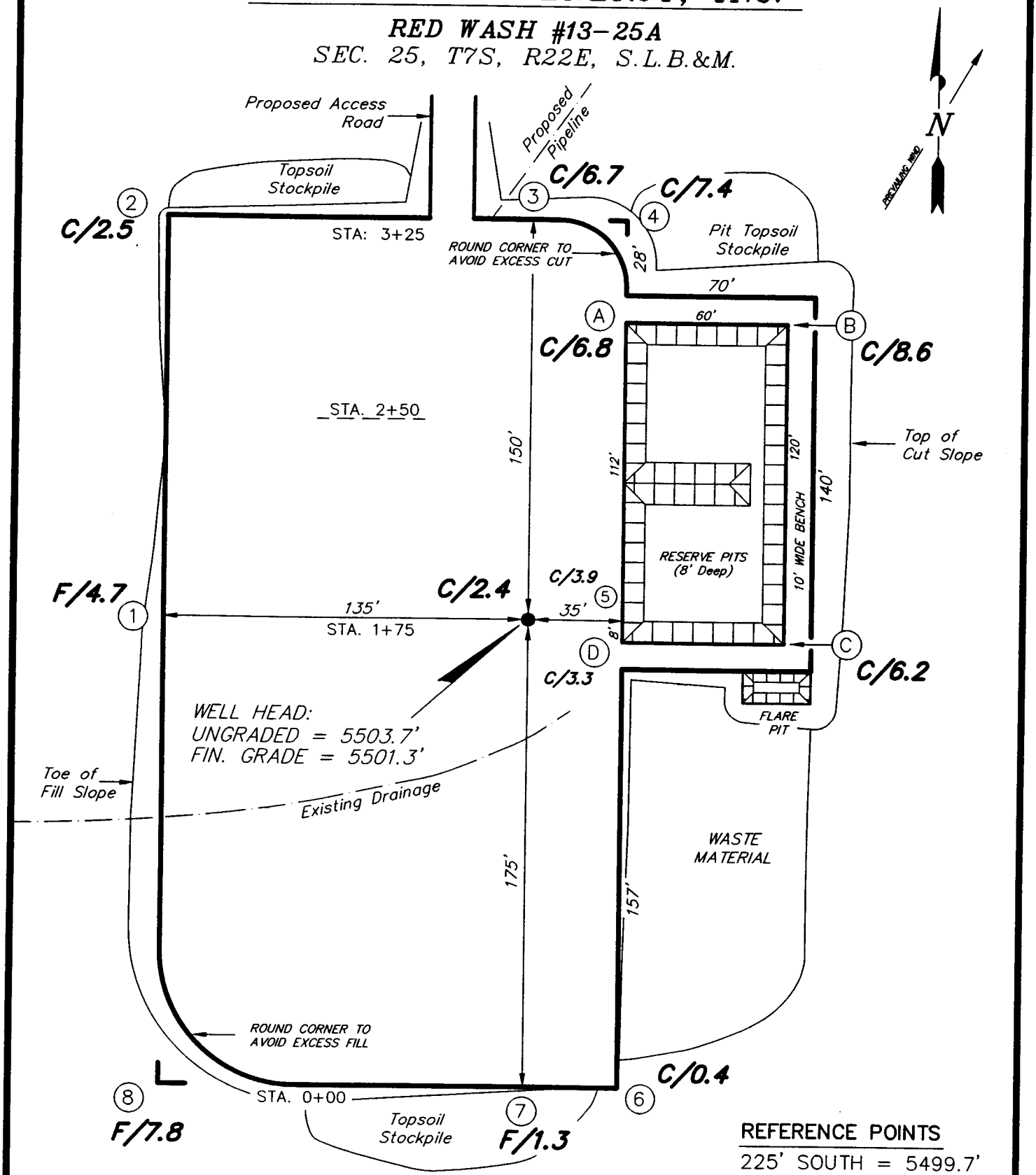
John Busch
Red Wash Operations Representative

Date

SHENANDOAH ENERGY, INC.

RED WASH #13-25A

SEC. 25, T7S, R22E, S.L.B.&M.



REFERENCE POINTS

225' SOUTH = 5499.7'
275' SOUTH = 5497.9'
185' WEST = 5495.4'
235' WEST = 5493.7'

SURVEYED BY:	C.D.S.	SCALE:	1" = 50'
DRAWN BY:	B.J.S.	DATE:	5/17/00

Tri State Land Surveying, Inc. (435) 781-2501
38 WEST 100 NORTH VERNAL, UTAH 84078

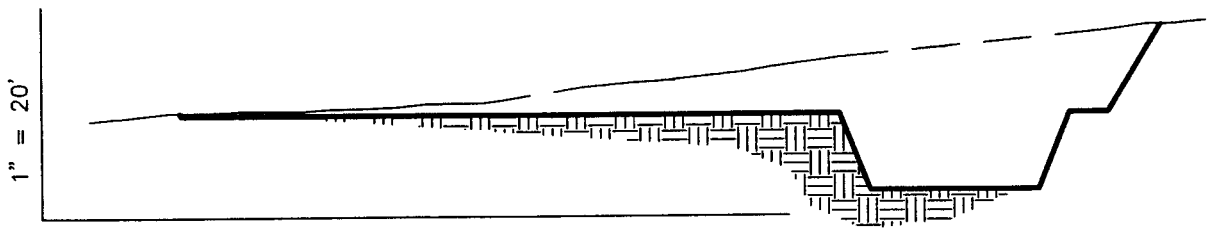
SHENANDOAH ENERGY, INC.

CROSS SECTIONS

RED WASH #13-25A

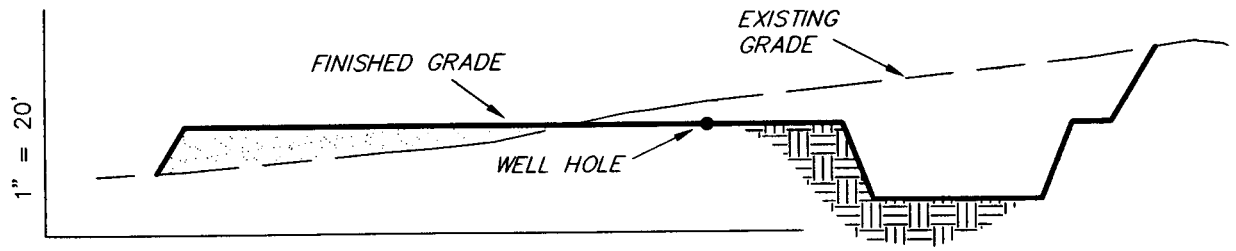
1" = 50'

STA. 3+25



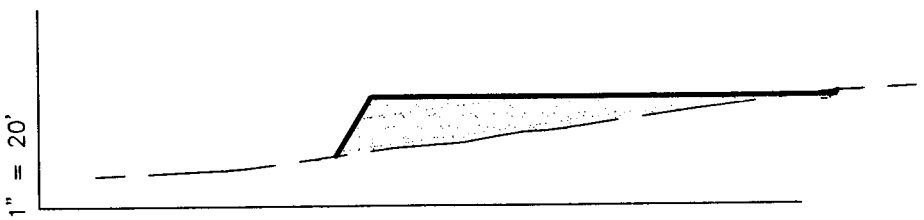
1" = 50'

STA. 2+50



1" = 50'

STA. 1+75



1" = 50'

STA. 0+00

APPROXIMATE YARDAGES

CUT = 4,700 Cu. Yds.
FILL = 4,700 Cu. Yds.
PIT = 1,630 Cu. Yds.
6" TOPSOIL = 1,200 Cu. Yds.

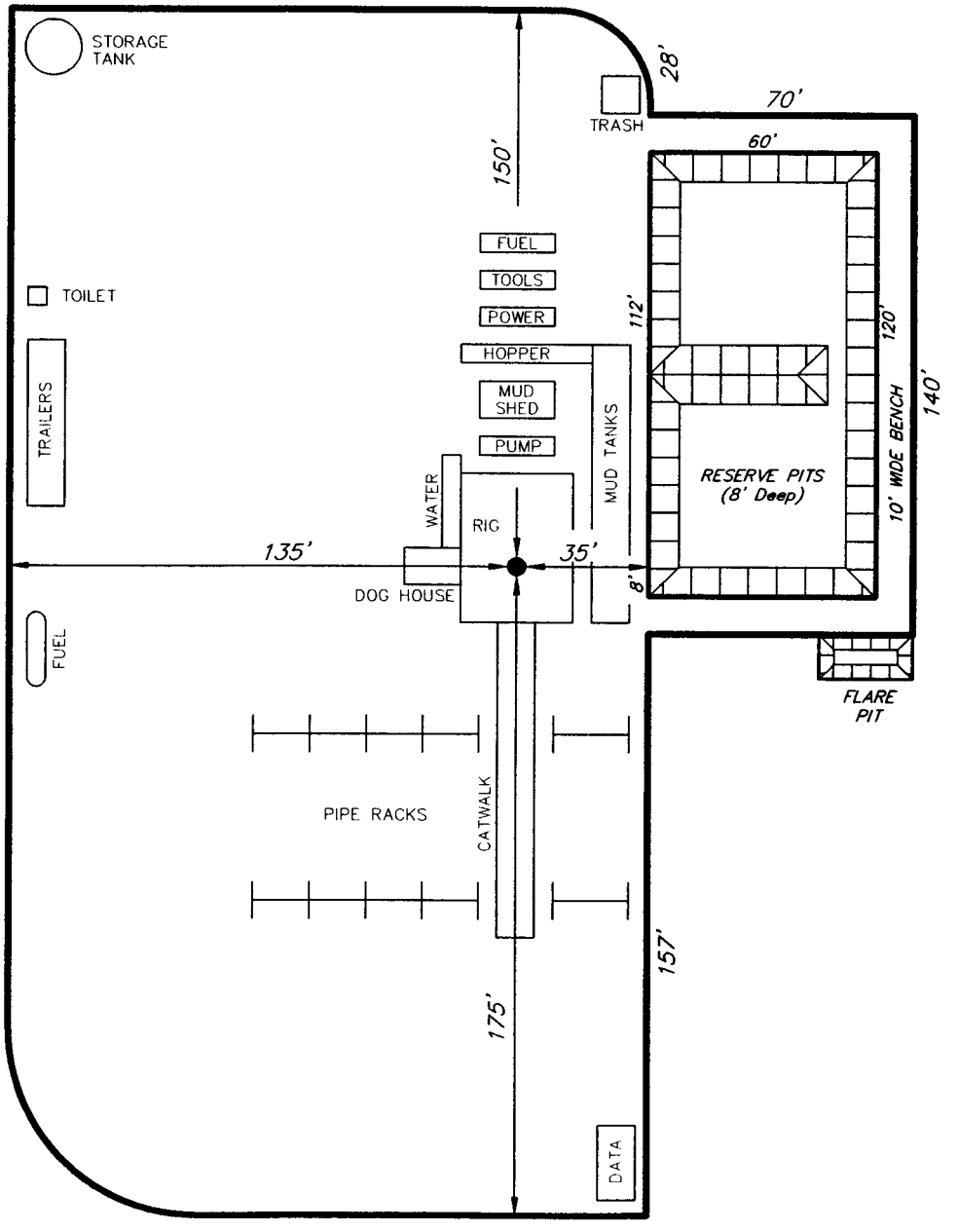
SURVEYED BY:	C.D.S.	SCALE:	1" = 50'
DRAWN BY:	B.J.S.	DATE:	5/17/00

Tri State Land Surveying, Inc.
38 WEST 100 NORTH VERNAL, UTAH 84078
(435) 781-2501

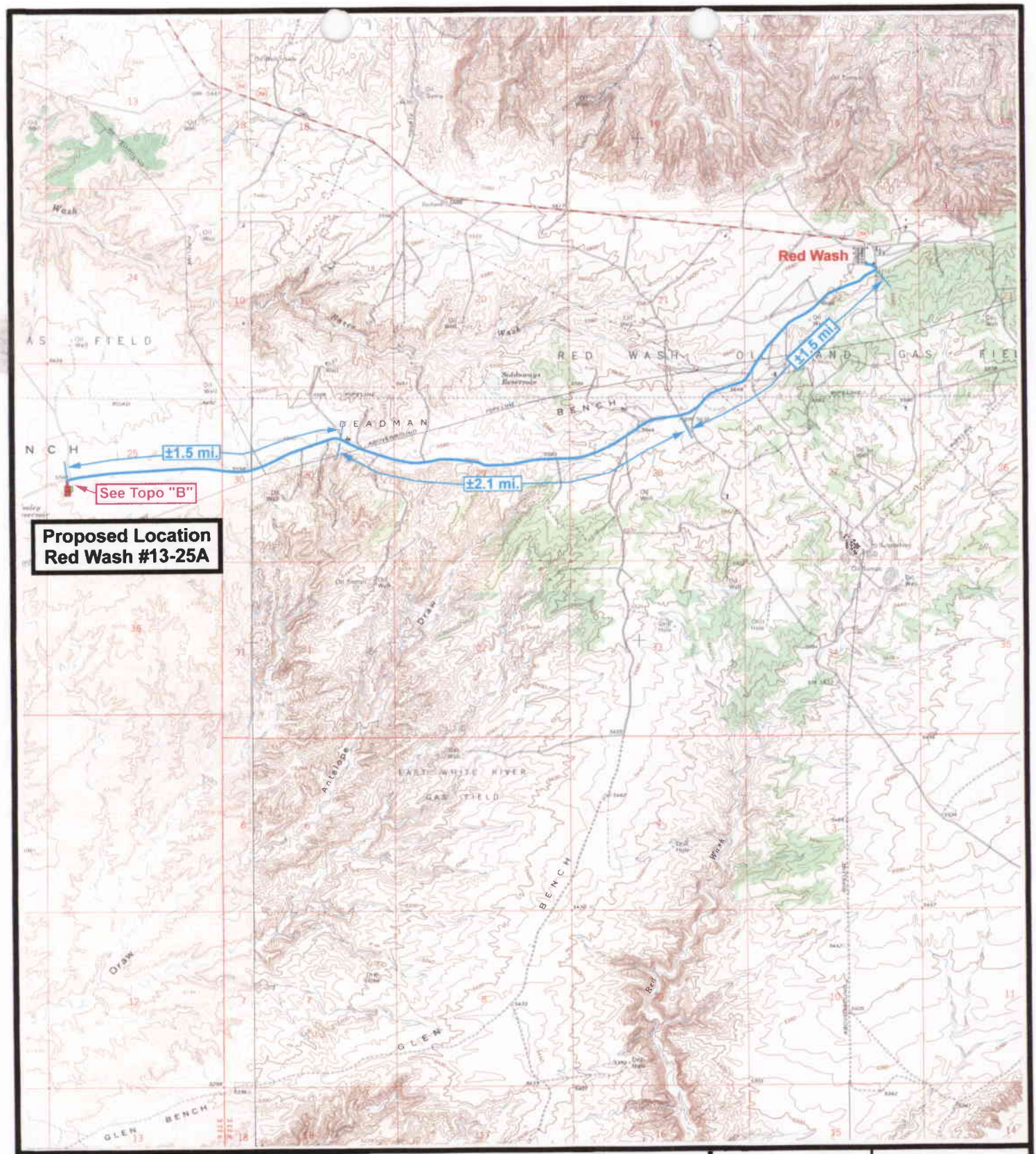
SHENANDOAH ENERGY, INC.

TYPICAL RIG LAYOUT

RED WASH #13-25A



Tri State
Land Surveying, Inc.
(435) 781-2501
38 WEST 100 NORTH, VERNAL, UTAH 84078



SHENANDOAH ENERGY INC.

RED WASH #13-25A

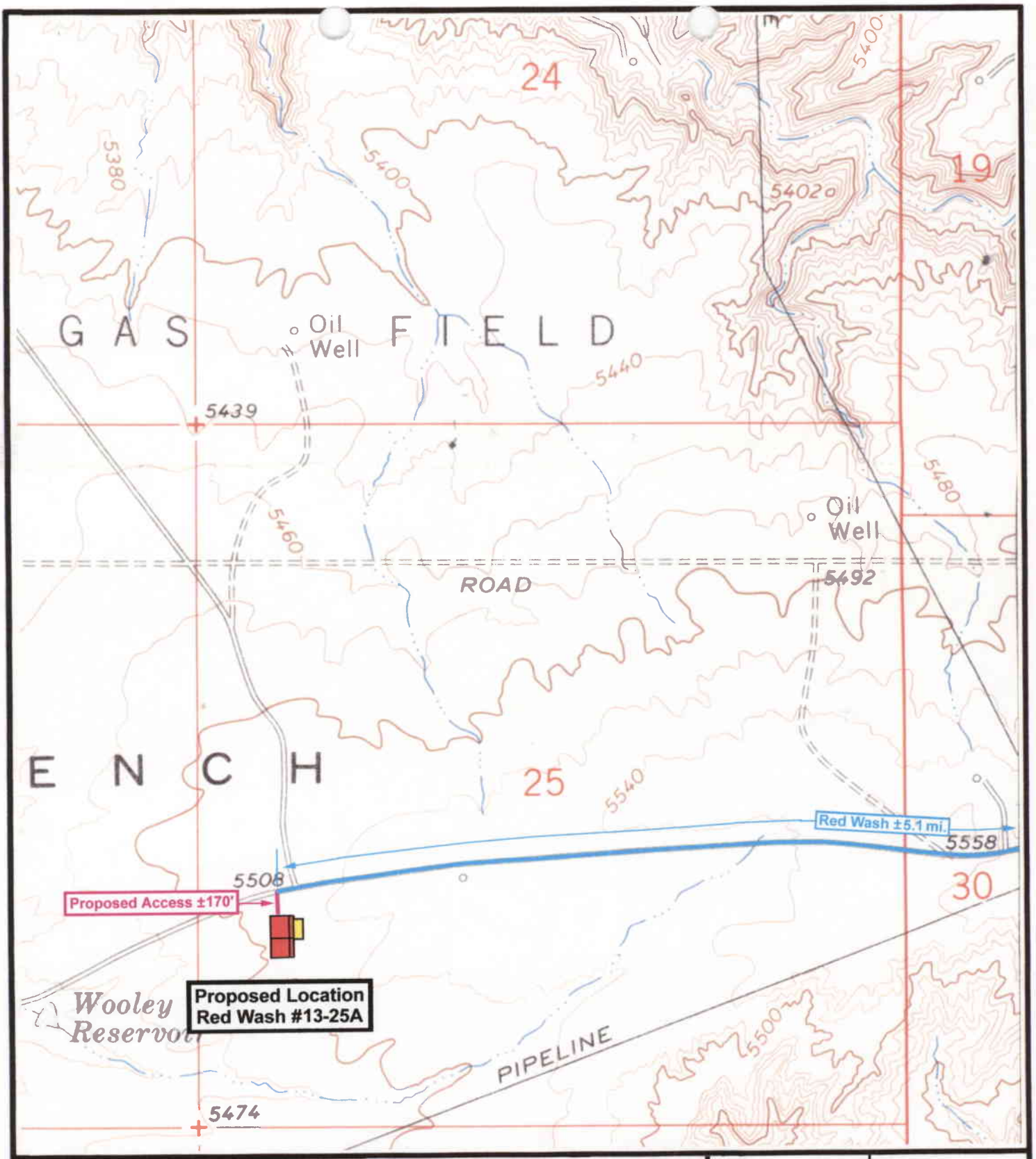
SEC. 25, T7S, R22E, S.L.B.&M.

TOPOGRAPHIC MAP "A"

N

Drawn By: SS	Revision:
Scale: 1" = 4000'	File:
Date: 5-15-00	

Tri-State Land Surveying Inc.
P.O. Box 533, Vernal, UT 84078
435-781-2501 Fax 435-781-2518



SHENANDOAH ENERGY INC.

RED WASH #13-25A

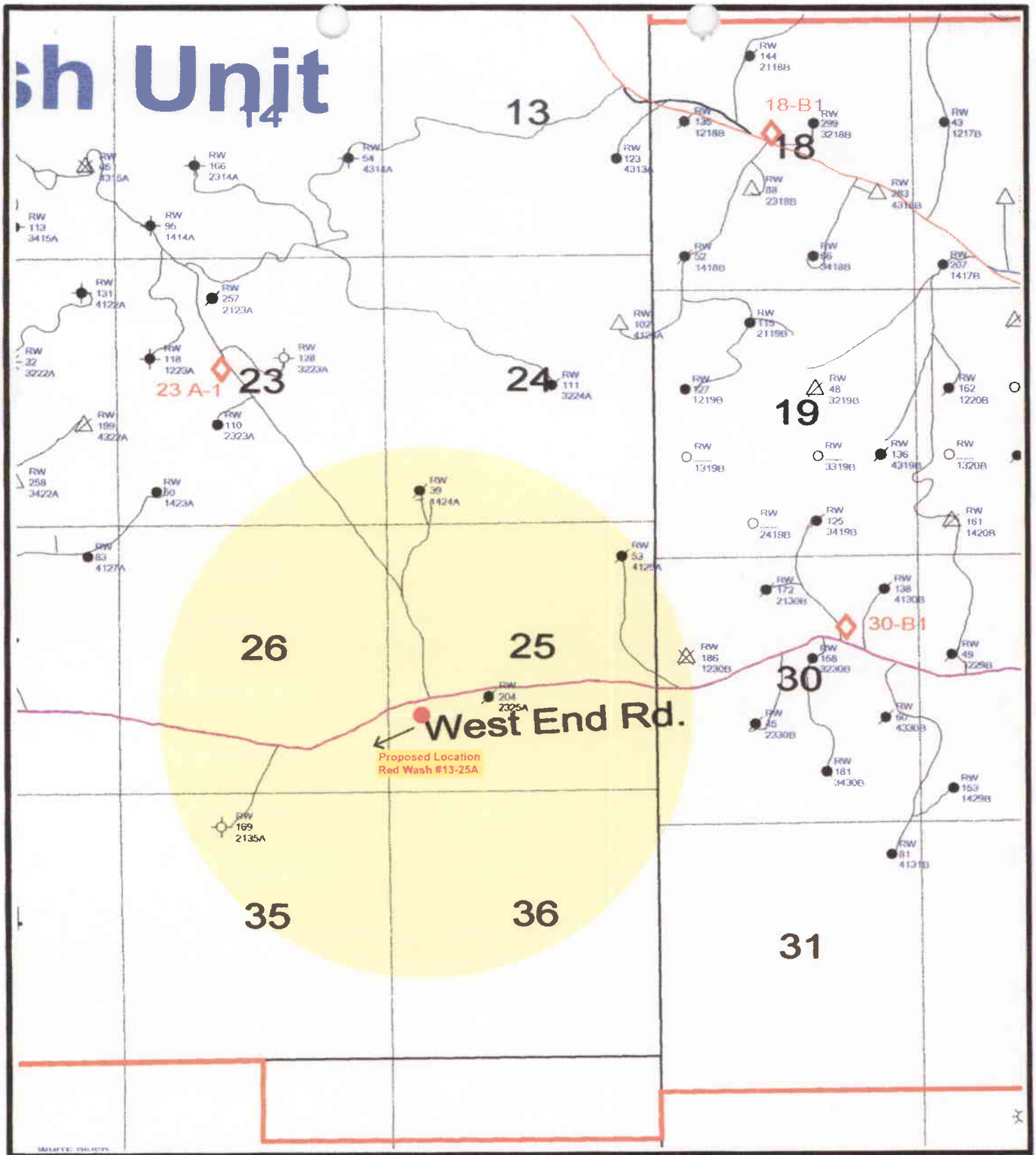
SEC. 25, T7S, R22E, S.L.B.&M.

TOPOGRAPHIC MAP "B"

N

Drawn By: B.J.S.	Revision:
Scale: 1" = 1000'	File:
Date: 5-12-00	

Tri-State Land Surveying Inc.
P.O. Box 533, Vernal, UT 84078
435-781-2501 Fax 435-781-2518



SHENANDOAH ENERGY INC.

RED WASH #13-25

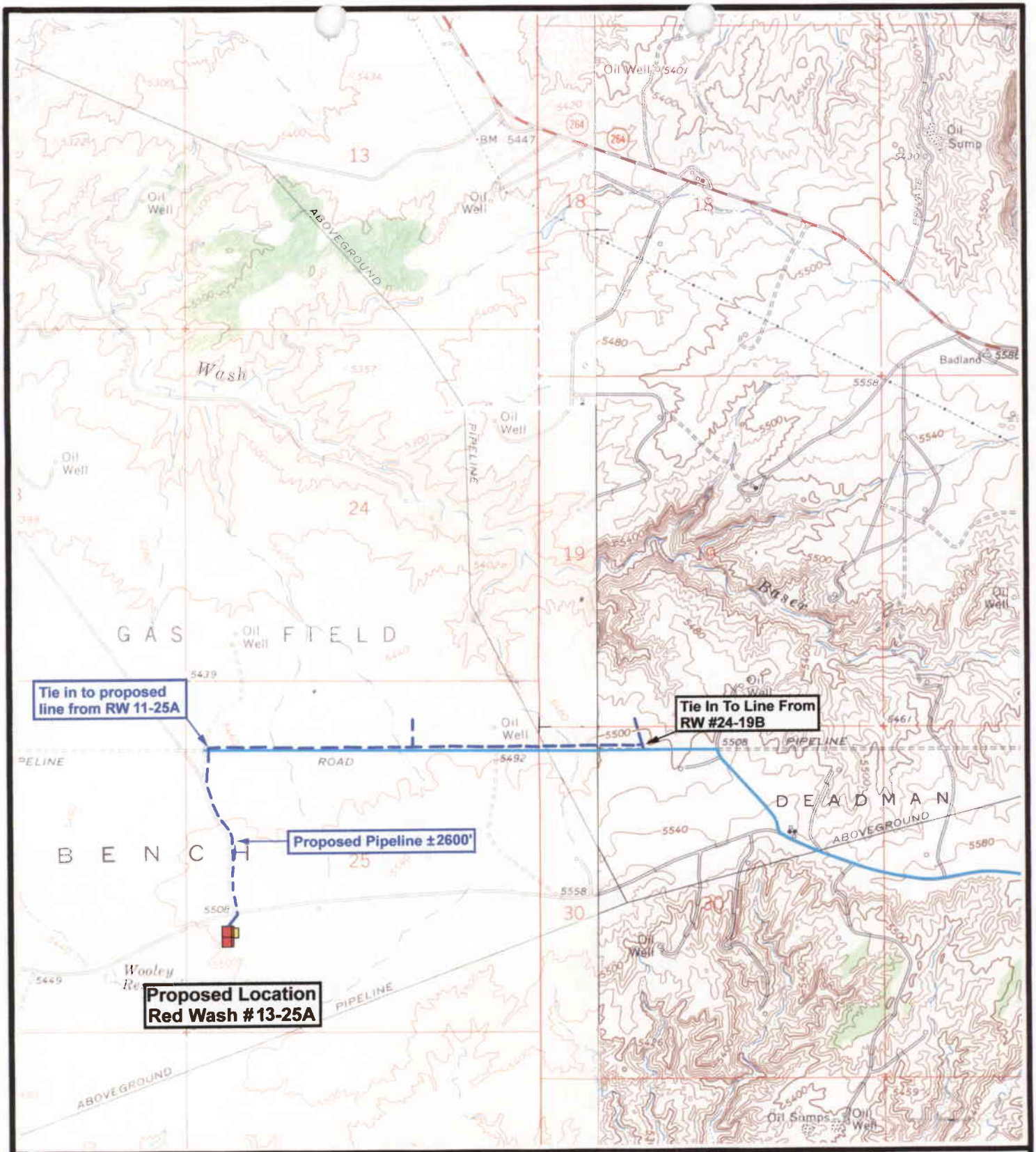
SEC. 25, T7S, R22E, S.L.B.&M.

TOPOGRAPHIC MAP "C"

N

Drawn By: SS	Revision:
Scale: 1" = 2640'	File:
Date: 5-15-00	

Tri-State Land Surveying Inc.
P.O. Box 533, Vernal, UT 84078
435-781-2501 Fax 435-781-2518



SHENANDOAH ENERGY INC.

RED WASH #13-25A

SEC. 25, T7S, R22E, S.L.B.&M.

TOPOGRAPHIC MAP "D"

N

Drawn By: SS	Revision:
Scale: 1" = 2000'	File:
Date: 5-15-00	

Tri-State Land Surveying Inc.
P.O. Box 533, Vernal, UT 84078
435-781-2501 Fax 435-781-2518

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 05/22/2000

API NO. ASSIGNED: 43-047-33575

WELL NAME: RWU 13-25A
OPERATOR: SHENANDOAH ENERGY INC (N4235)
CONTACT: JOHN BUSCH

PHONE NUMBER: 435-781-4341

PROPOSED LOCATION:
NWSW 25 070S 220E
SURFACE: 1446 FSL 0664 FWL
BOTTOM: 1446 FSL 0664 FWL
UINTAH
RED WASH (665)

LEASE TYPE: 1-Federal
LEASE NUMBER: U-0561
SURFACE OWNER: 1-Federal

PROPOSED FORMATION: GRRV

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

✓ Plat
✓ Bond: Fed[✓1] Ind[] Sta[] Fee[]
(No. UT-0969)
N Potash (Y/N)
N Oil Shale (Y/N) *190 - 5 (B)
✓ Water Permit
(No. 43-8496)
N RDCC Review (Y/N)
(Date:)
N/A Fee Surf Agreement (Y/N)

LOCATION AND SITING:

___ R649-2-3. Unit Red Wash
___ R649-3-2. General
Siting:
✓ R649-3-3. Exception
___ Drilling Unit
Board Cause No:
Eff Date:
Siting:
___ R649-3-11. Directional Drill

COMMENTS: Red Wash (S.O.P.), separate file.

STIPULATIONS: (1) FEDERAL APPROVAL

Utah Oil Gas and Mining

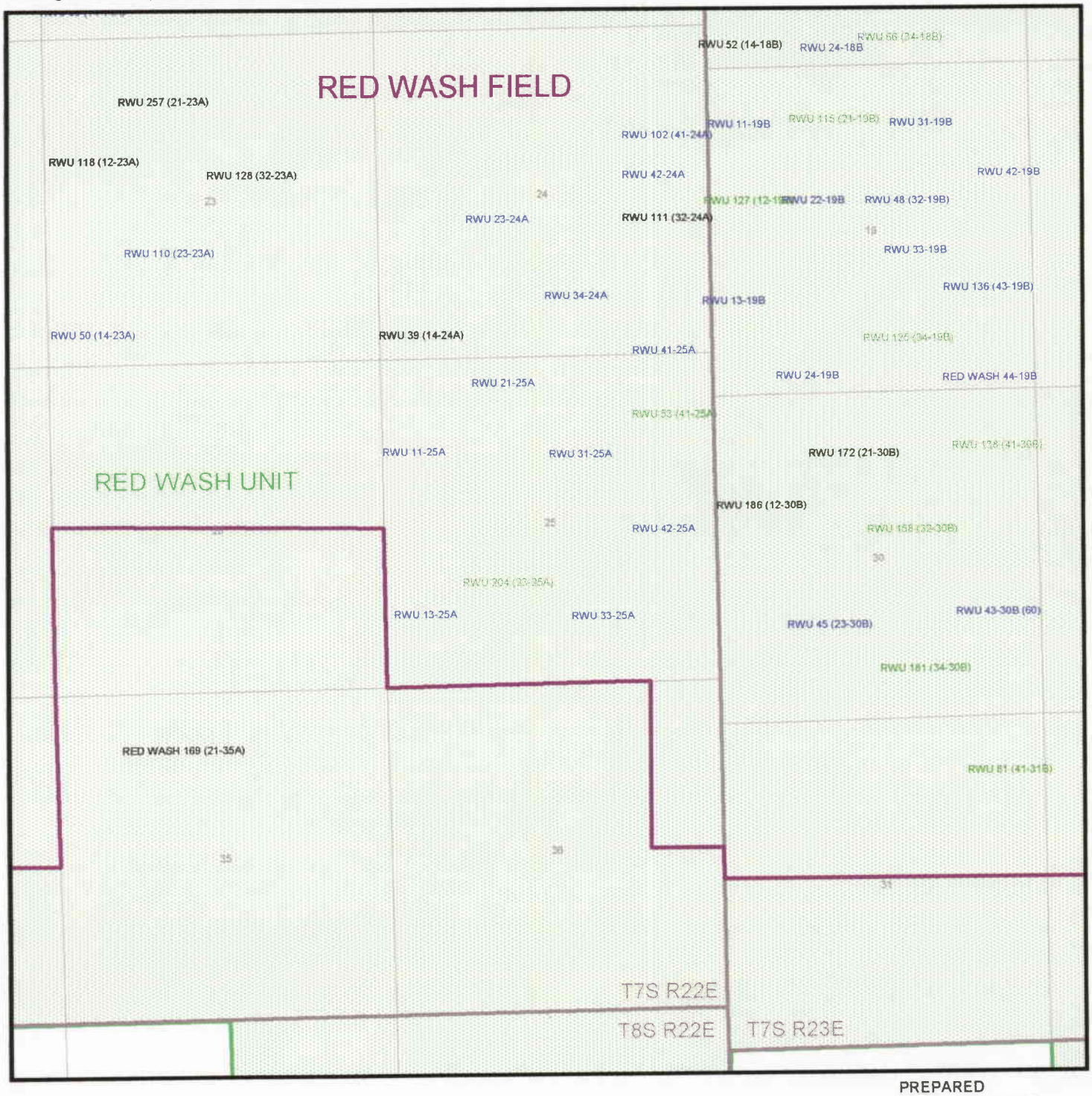
Serving the Industry, Protecting the Environment

OPERATOR: SHENANDOAH ENERGY (N4235)

FIELD: RED WASH (665)

SEC. 25, T 7 S, R 22 E,

COUNTY: UINTAH UNIT: RED WASH



PREPARED
DATE: 2-JUN-2000

SHENANDOAH ENERGY INC.

11002 East 17500 South
Vernal, UT 84078
Phone: (435) 781-4300
Fax (435) 781-4329

May 19, 2000

Division of Oil, Gas & Mining
1594 W. N. Temple STE 1210
Salt Lake City, UT 84114-5801

To Whom It May Concern:

Shenandoah Energy Inc. Red Wash Unit(s) 42-25A, 11-25A, 31-25A, **13-25A**, 33-25A are exception locations due to a closure of 700' ± between township 22E and 23E; to keep our water flood pattern we relocated wells. This lease #(U-0561) is under the Red Wash Unit Agreement and all owners are committed under the Unit Agreement.

There are no additional lease owners within 460' of this proposed well. If you have any question please contact John Busch @ (435) 781-4341.

Thank you,

John Busch
Operations Representative

RECEIVED
MAY 23 2000
DIVISION OF
OIL, GAS AND MINING

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
(UT-922)

June 6, 2000

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2000 Plan of Development Red Wash Unit, Uintah County, Utah.

Pursuant to email between Lisha Cordova, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management. The following wells are planned for completion in the Green River Formation for calendar year 2000 within the Red Wash Unit, Uintah County, Utah.

Api Number	Well	Location
43-047-33574	RWU 11-25A	1206 FNL 0491 FWL Sec. 25, T7S, R22E
43-047-33575	RWU 13-25A	1446 FSL 0664 FWL Sec. 25, T7S, R22E
43-047-33576	RWU 21-25A	0105 FNL 1916 FWL Sec. 25, T7S, R22E
43-047-33577	RWU 31-25A	1248 FNL 2159 FEL Sec. 25, T7S, R22E
43-047-33578	RWU 33-25A	1413 FSL 1809 FEL Sec. 25, T7S, R22E
43-047-33579	RWU 41-25A	0224 FNL 0819 FEL Sec. 25, T7S, R22E
43-047-33580	RWU 42-25A	2464 FNL 0841 FEL Sec. 25, T7S, R22E

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

/s/ Michael L. Coulthard

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

MCoulthard:mc:6-6-0

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

Michael O. Leavitt
Governor

Kathleen Clarke
Executive Director

Lowell P. Braxton
Division Director

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

June 6, 2000

Shenandoah Energy Inc.
11002 East 17500 South
Vernal, UT 84078

Re: Red Wash Unit 13-25A Well, 1146' FSL, 664' FWL, NW SW, Sec. 25, T. 7 South, R.22 East, Uintah 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 43-047-33575.

Sincerely,

John R. Baza
Associate Director

er
Enclosures
cc: Uintah County Assessor
Bureau of Land Management, Vernal District Office

Operator: Shenandoah Energy Inc.

Well Name & Number Red Wash Unit 13-25A

API Number: 43-047-33575

Lease: U-0561

Location: NW SW **Sec.** 25 **T.** 7 South **R.** 22 East

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 of spudding the well.
   - Contact Carol Daniels at (801) 538-5284.

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

3. Reporting Requirements

   All required reports, forms and submittals will 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. State approval of this well does not supersede the required federal approval which must be obtained prior to drilling.

Form 3160-3
(July 1992)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

FORM APPROVED
OBM NO. 1004-0136
Expires: February 28,1995

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

5. LEASE DESIGNATION AND SERIAL NO.: U-0561

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

7. UNIT AGREEMENT NAME: RED WASH

8. FARM OR LEASE NAME, WELL NO.: RW #13-25A

9. API WELL NO.:

10. FIELD AND POOL, OR WILDCAT: RED WASH

11. SEC.,T.,R.,M., OR BLK AND SURVEY OR AREA: Sec. 25, T7S, R22E, SLB&M

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

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

2. NAME OF OPERATOR: Shenandoah Energy Inc.

3. ADDRESS AND TELEPHONE NO. Phone: 435-781-4341 Fax: 435-781-4329 11002 East 17500 South Vernal, Utah 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 664' FWL 1446' FSL NW SW
At proposed prod. Zone: Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 5 miles West of Redwash Utah

12. COUNTY OR PARISH: Uintah

13. STATE: Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drg. unit line if any): 664'

16. NO. OF ACRES IN LEASE: 1920

17. NO. OF ACRES ASSIGNED TO THIS WELL: 40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING,COMPLETED, OR APPLIED FOR ON THIS LEASE, FT.: 2640 ±

19. PROPOSED DEPTH: 6055'

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 5503.7'

22. APPROX. DATE WORK WILL START*: A.S.A.P

23. PROPOSED CASING AND CEMENTING PROGRAM: REFER TO S.O.P.

Shenandoah Energy Inc. proposes to drill a well to 6055' to test the Green River. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirements.

Operations will be according to Standard Operating Procedures for the Red Wash Unit.

See Onshore Order No. 1 attached.

RECEIVED
JUN 02 2000
OIL, GAS & MINING

Please be advised that Shenandoah Energy Inc. is considered to be the operator of the above mentioned well. Shenandoah Energy Inc. agrees to be responsible under the terms and conditions of the lease for the operations conducted upon the lease lands.

Bond coverage for this well is provided by Bond No. 0969. The principal is Shenandoah Energy Inc. via surety as consent as provided for in 43 CFR 3104.2.

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

24

SIGNED John Busch TITLE Red Wash Operations Representative DATE May 19, 2000

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE NOTICE OF APPROVAL

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY Jerry Kenczka TITLE ACTING Assistant Field Manager Mineral Resources DATE AUG 17 2000

*See Instructions On Reverse Side

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

CONDITIONS OF APPROVAL ATTACHED

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Shenandoah Energy Inc.

Well Name & Number: RWU 13-25A

API Number: 43-047-33575

Lease Number: U - 0561

Location: NWSW Sec. 25 T. 7S R. 22E

Agreement: RED WASH UNIT

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

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

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

A. DRILLING PROGRAM

1. Casing Program and Auxiliary Equipment

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the shallowest potential productive zone.

SURFACE CONDITIONS OF APPROVAL

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

The road shall be constructed/upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Construction/upgrading shall include ditching, draining, and crowning (2 to 3%). Graveling or capping the roadbed will be required as necessary to provide a well constructed safe road. Prior to construction/upgrading, the proposed road surface or existing road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot right-of-way will not be allowed. Should mud holes develop, they shall be filled in to prevent detours . Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the drainage be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. When snow is removed from the road during the winter months, the snow should be pushed outside of the burrow ditches and the turn outs should be kept clear so that when the snow melts the water will be channeled away from the road.

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

4 to 6 inches of topsoil shall stripped from the location and windowed on the west side of the location as shown on the cut sheet. This topsoil shall be seeded as described in the standard operating plan with the recommended seed mix shown below.

The pipeline disturbance will be kept to a 30' width. The topsoil shall be stripped and windowed along the edge of the cleared area, then replaced prior to seeding the disturbed area. Care should be taken not to mix the topsoil with the subsoil from the trench.

The following seed mix should be used to seed the topsoil pile, pipeline disturbance, reserve pit and for final abandonment:

Fourwing saltbush	Atriplex canescens	4 lbs./acre
Gardner saltbush	Atriplex gardneri	4 lbs./acre
Western wheatgrass	Agropyron smithii	4 lbs./acre

All poundages are in pure live seed.

The seeding of the reserve pit shall be done in the same manner as the seeding of the topsoil pile, however, seeding of the pipeline disturbance and the location after final abandonment could be completed by drilling the seed, broadcasting the seed and dragging the disturbed area to cover the seed, or by broadcasting the seed then walking it in with a dozer.

All seeding shall be done immediately after the dirt work has been completed.

The reserve pit shall be lined with a plastic nylon reinforced liner. It will be a minimum of 12 mil thickness with sufficient bedding (either straw or dirt) to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit.

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.

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

7. If Unit or CA, Agreement Designation

8. Well Name and No.

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State
UINTAH, UTAH

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

2. Name of Operator
SHENANDOAH ENERGY INC.

3. Address and Telephone No.
11002 E. 17500 S. VERNAL, UT 84078-8526 (801) 781-4300

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

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

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

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

Shenandoah Energy Inc. would like to have the attached wells be kept confidential.

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DIVISION OF
OIL, GAS AND MINING

14. I hereby certify that the foregoing is true and correct.
Signed JOHN BUSCH John Busch Title Operations Supervisor Date 10/9/00

(This space for Federal or State office use)

Approved by: Title Date

Conditions of approval, if any

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

*See instruction on Reverse Side

WELL NAME	WELL LOCATION	/4 1/4 SEC.	SECTION	TOWNSHIP	RANGE	API#
Red Wash	2220B**	SE NW	20	7S	23E	43-047-33491
Red Wash	4220B*	SE NE	20	7S	23E	43-047-33490
Red Wash	1320B*	NW SW	20	7S	23E	43-047-33498
Red Wash	3320B++	NW SE	20	7S	23E	43-047-33500
Red Wash	2221B	SE NW	21	7S	23E	43-047-33522
Red Wash	2419B	SE SW	19	7S	23E	43-047-33492
Red Wash	4419B	SE SE	19	7S	23E	43-047-33524
Wonsits Valley	6W-16-8-21	SE NW	16	8S	21E	43-047-33527
Gypsum Hills	10W-19-8-21	NW SE	19	8S	21E	43-047-33528
Wonsits Valley	16W-9-8-21	SE SE	9	8S	21E	43-047-33529
Wonsits Valley	6G-16-8-21	SE NW	16	8S	21E	43-047-33564
Gypsum Hills	10G-19-8-21	NW SE	19	8S	21E	43-047-33566
Wonsits Valley	16G-9-8-21	SE SE	9	8S	21E	43-047-33565
Red Wash	2420B	SE SW	20	7S	23E	43-047-33523
Red Wash	1319B	NW SW	19	7S	23E	43-047-33497
Red Wash	3319B	NW SE	19	7S	23E	43-047-33499
Red Wash	4420B	SE SE	20	7S	23E	43-047-33525
Red Wash	4219B	SE NE	19	7S	23E	43-047-33556
Red Wash	2219B	SE NW	19	7S	23E	43-047-33559
Red Wash	4224A	NE SE	24	7S	22E	43-047-33569
Red Wash	3424A	SW SE	24	7S	22E	43-047-~~33567~~ 33568
Red Wash	2324A	NE SW	24	7S	22E	43-047-~~33568~~ 33567
Red Wash	2125A	NE NW	25	7S	22E	43-047-33576
Red Wash	4125A	NE NE	25	7S	22E	43-047-33579
Red Wash	1119B	NW NW	19	7S	23E	43-047-33552
Red Wash	3119B	NW NE	19	7S	23E	43-047-33555
Red Wash	1120B	NW NW	20	7S	23E	43-047-33553
Red Wash	2418B	SE SW	18	7S	23E	43-047-33554
Red Wash	3413A	SW SE	13	7S	22E	43-047-33593
Red Wash	2124A	NE NW	24	7S	22E	43-047-33592
Red Wash	1224A	SW NW	24	7S	22E	43-047-33591
Red Wash	1125A	NW NW	25	7S	22E	43-047-33574
Red Wash	1325A	NW SW	25	7S	22E	43-047-33575
Red Wash	3125A	NW NE	25	7S	22E	43-047-33577
Red Wash	3325A	NW SE	25	7S	22E	43-047-33578
Red Wash	4225A	SE NE	25	7S	22E	43-047-33580
Red Wash	4418B	SE SE	18	7S	23E	43-047-33594
Red Wash	1129B	NW NW	29	7S	23E	43-047-33590
Wonsits Valley	9G-2-8-21	NE SE	2	8S	21E	43-047-33647
Wonsits Valley	9W-2-8-21	NE SE	2	8S	21E	43-047-33648
Wonsits Valley	16G-2-8-21	SE SE	2	8S	21E	43-047-33646
Wonsits Valley	16W-2-8-21	SE SE	2	8S	21E	43-047-33645
Wonsits Valley	15W-9-8-21	SW SE	9	8S	21E	43-047-33661
Wonsits Valley	15G-9-8-21	SW SE	9	8S	21E	43-047-33662
Wonsits Valley	2W-10-8-21	NW NE	10	8S	21E	43-047-33655
Wonsits Valley	2G-10-8-21	NW NE	10	8S	21E	~~43-047-33656~~
Wonsits Valley	12W-10-8-21	NW SW	10	8S	21E	~~43-047-33659~~

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Wonsits Valley	12G-10-8-21	NW SW	10	8S	21E	43-047-33660
Wonsits Valley	4W-11-8-21	NW NW	11	8S	21E	43-047-33657
Wonsits Valley	4G-11-8-21	NW NW	11	8S	21E	43-047-33658
Wonsits Valley	2W-16-8-21	NW NE	16	8S	21E	43-047-33246
Wonsits Valley	2G-16-8-21	NW NE	16	8S	21E	43-047-33247
Womsits Valley	12W-16-8-21	NW SW	16	8S	21E	43-047-33649
Wonsit Valley	12G-16-8-21	NW SW	16	8S	21E	43-047-33650
Red Wash	33U-19B	NW SE	19	7S	23E	43-047-33654
Red Wash	14-27A	SWSW	27	7S	22E	43-047-33150
Wonsits Valley	WV 1W-18-8-22	NE NE	18	8S	22E	43-047-33294
Wonsits Valley	WV 11W-8-8-22	NE SW	8	8S	22E	43-047-33295
Wonsits Valley	WV 5W-13-8-21	SW NW	13	8S	21E	43-047-33221
Wonsits Valley	WV 9W-13-8-21	NE SE	13	8S	22E	43-047-33223
Wonsits Valley	WV 7W-13-8-21	SW NE	13	8S	22E	43-047-33270
Wonsits Valley	WV 3W-8-8-22	NE NW	8	8S	22E	43-047-33493
Wonsits Valley	WV 5W-7-8-22	SW NW	7	8S	22E	43-047-33494
Wonsits Valley	WV 1W-14-8-21	NE NE	14	8S	21E	43-047-33220
Wonsits Valley	WV 11W-7-8-22	NE SW	7	8S	22E	43-047-33495
Wonsits Valley	WV 13W-7-8-22	SW SW	7	8S	22E	43-047-33496
Wonsits Valley	WV 7W-7-8-22	SW NE	7	8S	22E	43-047-33503
Wonsits Valley	WV 9W-12-8-21	NE SE	12	8S	21E	43-047-33534
Wonsits Valley	WV 3W-7-8-22	NE NW	7	8S	22E	43-047-33502
Wonsits Valley	WV 1W-13-8-21	NE NE	13	8S	21E	43-047-33532
Wonsits Valley	WV 11W-12-8-21	NE SW	12	8S	21E	43-047-33535
Wonsits Valley	WV 1W-7-8-22	NE NE	7	8S	22E	43-047-33501
Wonsits Valley	WV 1W-12-8-21	NE NE	12	8S	21E	43-047-33531
Wonsits Valley	Fed 9W-8-8-22	NE SE	8	8S	22E	43-047-33515
Wonsits Valley	WV 13W-12-8-21	SW SW	12	8S	21E	43-047-33537
Wonsits Valley	WV 3W-18-8-22	NE NW	18	8S	22E	43-047-33533
Wonsits Valley	WV 11W-13-8-21	NE SW	13	8S	21E	43-047-33536
Wonsits Valley	Fed 15W-8-8-22	SW SE	8	8S	22E	43-047-33517
Gypsum Hills	GH 1W-32-8-21	NE NE	32	8S	21E	43-047-33570
Gypsum Hills	GH 7W-32-8-21	SW NE	32	8S	21E	43-047-33573
Wonsits Valley	WV 3W-24-8-21	NE NW	24	8S	21E	43-047-33605
Gypsum Hills	GH 5W-32-8-21	SW NW	32	8S	21E	43-047-33572
Gypsum Hills	GH 3W-32-8-21	NE NW	32	8S	21E	43-047-33571
Wonsits Valley	WV 13W-18-8-22	SW SW	18	8S	22E	43-047-33538
Wonsits Valley	WV 15W-13-8-21	SW SE	13	8S	21E	43-047-33608
Wonsits Valley	WV 3W-13-8-21	NE NW	13	8S	21E	43-047-33603
Wonsits Valley	WV 13W-13-8-21	SW SW	13	8S	21E	43-047-33606
Wonsits Valley	WV 1W-21-8-21	NE NE	21	8S	21E	43-047-33602
Wonsits Valley	WV 9W-14-8-21	NE SE	14	8S	21E	43-047-33269
Glen Bench	GB 5W-17-8-22	SW NW	17	8S	22E	43-047-33514
Wonsits Valley	WV 1W-24-8-21	NE NE	24	8S	21E	43-047-33613
Wonsits Valley	WV 3W-22-8-21	NE NW	22	8S	21E	43-047-33604
Glen Bench	GB 9W-18-8-22	NE SE	18	8S	22E	43-047-33516
Wonsits Valley	WV 13W-14-8-21	SW SW	14	8S	21E	43-047-33607
Glen Bench	GB 3W-17-8-22	NE NW	17	8S	22E	43-047-33513
Wonsits Valley	WV 11W-18-8-22	NE SW	18	8S	22E	43-047-33626

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Glen Bench	GB 3W-22-8-22	NE NW	22	8S	22E	43-047-33652
Glen Bench	GB 12W-30-8-22	NW SW	30	8S	22E	43-047-33670
White River	WR 13W-3-8-22	SW SW	3	8S	22E	43-047-33651

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Form 3160-5
(June 1990)

UNITED STATES
ARTMENT 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

5. Lease Designation and Serial No.
U-0561

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

SUBMIT IN TRIPLICATE

7. If Unit or CA, Agreement Designation
RED WASH UNIT

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

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8. Well Name and No.
RED WASH UNIT 13-25A

2. Name of Operator
SHENANDOAH ENERGY, INC

9. API Well No.
43-047-33575

3. Address and Telephone No
11002 E. 17500 S. VERNAL, UT 84078-8526 (801) 781-4300

10. Field and Pool, or Exploratory Area
RED WASH - GREEN RIVER

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1146' FSL, 664' FWL, NW SW, SECTION 25, T7S, R22E, SLBM

11. County or Parish, State
UINTAH, UTAH

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

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

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

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

THIS WEL WAS SPUD OCTOBER 18, 2000. DRILL 490' OF 12 ¼" HOLE. RUN 481.8' OF 36# J55 CSG.

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NOV 09 2000
DIVISION OF
OIL, GAS AND MINING

14. I hereby certify that the foregoing is true and correct.
Signed D. C. BEAMAN Title OFFICE MANAGER Date 11/06/00

(This space for Federal or State office use)

Approved by: Title Date

Conditions of approval, if any

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

*See instruction on Reverse Side

State of Utah
Division of Oil, Gas and Mining

ENTITY ACTION FORM - FORM 6

OPERATOR: **Shenandoah Energy, Inc.**
ADDRESS: **11002 East 17500 South**
Vernal, Utah 84078-8526 **(801)781-4300**

OPERATOR ACCT. No. 4235

Action Code	Current Entity No.	New Entity No.	API Number	Well Name	QQ	SC	TP	RG	County	Spud Date	Effective Date
B	99999	05670	43-047-33575	Red Wash Unit 13-25A	NW SW	25	7S	22E	Uintah	10/18/00	

WELL 1 COMMENTS:

New well drilled in the Red Wash Unit. 11-9-00

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WELL 2 COMMENTS:

WELL 3 COMMENTS:

WELL 4 COMMENTS:

WELL 5 COMMENTS:

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

(3/89)

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DIVISION OF
OIL, GAS AND MINING

Doris C Beaman
Signature

Office Manager. 11/07/00
Title Date

Phone No. **(801) 781-4306**

Form 3160-5
(June 1990)

UNITED STATES
ARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.
U-0561

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

SUBMIT IN TRIPLICATE

7. If Unit or CA, Agreement Designation
RED WASH UNIT

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

8. Well Name and No.
RED WASH UNIT 13-25A

2. Name of Operator
SHENANDOAH ENERGY, INC

9. API Well No.
43-047-33575

3. Address and Telephone No
11002 E. 17500 S. VERNAL, UT 84078-8526 (801) 781-4300

10. Field and Pool, or Exploratory Area
RED WASH - GREEN RIVER

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1146' FSL, 664' FWL, NW SW, SECTION 25, T7S, R22E, SLBM

11. County or Parish, State
UINTAH, UTAH

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

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

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

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

THIS WEL COMMENCED PRODUCTION JANUARY 6, 2001.

14. I hereby certify that the foregoing is true and correct.
Signed D. C. BEAMAN Title OFFICE MANAGER Date 01/10/01

(This space for Federal or State office use)

Approved by: Title Date

Conditions of approval, if any

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

*See instruction on Reverse Side

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Form 3160-4
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. U-0561

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No. 8920007610

2. Name of Operator SHENANDOAH ENERGY INC
Contact: J.T. CONLEY
E-Mail: jconley@shenandoahenergy.com

8. Lease Name and Well No. RWU 13-25A

3. Address 11002 EAST 17500 SOUTH VERNAL, UT 84078

3a. Phone No. (include area code) Ph: 435.781.4300 Ext: 301 Fx: 435.781.4323

9. API Well No. 43-047-33575

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface NWSW 1446FSL 664FWL

At top prod interval reported below NWSW 1446FSL 664FWL

At total depth NWSW 1446FSL 664FWL

2-6-02

10. Field and Pool, or Exploratory RED WASH

11. Sec., T., R., M., or Block and Survey or Area Sec 25 T7S R22E Mer SLB

12. County or Parish UINTAH

13. State UT

14. Date Spudded 10/18/2000

15. Date T.D. Reached 11/25/2000

16. Date Completed ☐ D & A ☐ Ready to Prod. 01/06/2001

17. Elevations (DF, KB, RT, GL)* 5504 GL

18. Total Depth: MD 6055 TVD

19. Plug Back T.D.: MD 6021' TVD

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
COMP NEUTRON DENSITY, LATERLOG, CBL-VDL - 12-20-00
12-07-00

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

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Casing Top*	Amount Pulled
12.250	9.625 J-55	36.000	0	482		175		0	
7.875	5.500 J-55	15.500	0	6055		800		2570	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	5967							

25. Producing Intervals

Formation	Top	Bottom
A) GREEN RIVER	5681	5928
B)		
C)		
D)		

26. Perforation Record

Perforated Interval	Size	No. Holes	Perf. Status
5681 TO 5928			OPEN

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

Depth Interval	Amount and Type of Material
5873 TO 5876	CEMENT SQUEEZED WITH 75 SXS
5759 TO 5765	SAND FRAC WITH 8000 LBS IN 4200 GALS

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
01/06/2001	01/19/2001	24	→	23.0	10.0	14.0			ELECTRIC PUMPING UNIT

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
	125	125.0	→					POW

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #5880 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

28b. Production - Interval C

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

28c. Production - Interval D

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

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

30. Summary of Porous Zones (Include Aquifers):

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

Formation	Top	Bottom	Descriptions, Contents, etc.
GREEN RIVER	5681	5691	GW4
GREEN RIVER(2)	5759	5765	LU6
GREEN RIVER(3)	5873	5876	MESA (SQUEEZED)
GREEN RIVER(4)	5907	5909	MESA
GREEN RIVER(5)	5924	5928	MESA002

CONFIDENTIAL

31. Formation (Log) Markers

Name	Top Meas. Depth
GREEN RIVER	3110
MAHOGANY	4046

32. Additional remarks (include plugging procedure):
CONFIDENTIAL - TITE HOLE
Do not release well information without permission from Shenandoah Energy Inc.

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.)
2. Geologic Report
3. DST Report
4. Directional Survey
5. Sundry Notice for plugging and cement verification
6. Core Analysis
7 Other:

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

Electronic Submission #5880 Verified by the BLM Well Information System for SHENANDOAH ENERGY INC. Sent to the Vernal.

Name *(please print)* J.T. CONLEY Title DIVISION MANAGER

Signature J.T. Conley Date 07/21/2001

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

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FINAL

STATEMENT OF BASIS

SHENANDOAH ENERGY INC.

RED WASH UNIT #13-25A
RED WASH FIELD

EPA PERMIT NUMBER: UT2925-04648

CONTACT: **D. Edwin Hogle (8P-W-GW)**
U. S. Environmental Protection Agency
999 18th Street, Suite 300
Denver, Colorado 80202-2466
Telephone: 800.227.8917 Ex.6137

DESCRIPTION OF FACILITY AND BACKGROUND INFORMATION:

On August 13, 2001, Shenandoah Energy Inc. (Shenandoah) made application for the conversion of an active oil well from the Lower Green River Formation to a Class II enhanced oil recovery (EOR) injection well and back into the same producing Lower Green River zones so that Shenandoah may continue to economically produce oil from their Red Wash Unit Field. The primary water source for injection will be produced/recycled water from the Red Wash Waterflood and the White River #11-4 well may supply any additional water as needed. This well has been approved as source water for water floods, State of Utah water user claim Code #49, Serial #287. The water at the inlet of the pump plant for the waterflood is tested on a regular basis. Based on the test dated 12/31/99 the injected water has a specific gravity of 1.005 gm/cc, pH of 9.0 and TDS of 5,689 mg/l.

The area covered by the application is in the Red Wash Unit Field which lies under federal jurisdiction for purposes of UIC program implementation for the following proposed well:

Red Wash Unit #13-25A
NW/4 SW/4 Section 25, Township 7 South, Range 22 East
Uintah County, Utah

The permittee has sent notices to all surface landowners and interested parties within one-quarter (1/4) mile of the proposed injection well.

The earliest sampling of produced water from the RWU #13-25A Green River Formation was **December 31, 1999.** Total Dissolved Solids (TDS) were measured at **16,351 mg/l**, pH 9.2 and specific gravity of 1.008. Subsequent samples were obtained **(05/08/99)** as the waterflood project progressed and resulted in a noticeable decline in TDS **(5,689 mg/l)** due to the properties of the injected source water. This injection zone is not an underground source of drinking water(USDW) and is not subject to the protection afforded in 40 CFR § 144.7 (a). An Aquifer Exemption is not required because of the pre-waterflood non USDW status of the reservoir.

Shenandoah has submitted all required information and data necessary for Permit issuance in accordance with 40 CFR Parts 144, 146 and 147, and a Permit has been prepared.

The Permit will be issued for the operating life of the well from the effective date of this Permit; therefore, no reapplication will be necessary unless the Permit is terminated for reasonable cause (40 CFR 144.39, 144.40, and 144.41). However, the Permit will be reviewed every five (5) years.

This Statement of Basis (SOB) gives the derivation of the site specific Permit conditions and reasons for them, on the basis of the direct implementation regulations promulgated for the Uintah-Ouray Indian Tribal lands in the State of Utah, under the Underground Injection Control (UIC) program provisions for the Safe Drinking Water Act (SDWA). The referenced sections and conditions correspond to the sections and conditions in Permit No. UT2925-04648. The general Permit conditions for which the content is mandatory and not subject to site specific differences (based on 40 CFR Parts 144, 146 and 147), are not included in the discussion.

PART II, Section A WELL CONVERSION REQUIREMENTS

Casing and Cementing (Condition 1)

The well was drilled, cased and cemented during January, 2001, by Shenandoah and completed as an oil well. This well will continue to produce until the Permit is approved and conversion to a Class II injection well is complete. Casing and cementing details were submitted with the Permit application and construction is as follows:

(1) **Surface casing** (9-5/8 inch) is set in a 12-1/4 inch hole to a depth of 482 feet kelly bushing (KB). The casing is secured with 175 sacks (sxs) cement which was circulated to the surface, isolating the casing from the wellbore.

(2) **Production casing** (5-1/2 inch) is set in an 7-7/8 inch hole to a depth of 6055 feet. This casing is secured with 800 sxs 50/50 Pozmix tail up to a depth of 2620 feet, Top of Cement (TOC), per Cement Bond Log (CBL). Plugged back total depth (PBTD) is 6021 feet. Gross current injection perforations are 5907fee to 5932 feet.

UPON RE-ENTRY OF THIS PRODUCING OIL WELL, THE CONVERSION TO AN ENHANCED OIL RECOVERY WELL WILL BE AS FOLLOWS:

(1) MIRUSU, unseat pump, POOH w/rods and pump.

(2) RIH with bit and scraper and clean out to 6021' (PBTD). This will clean up scale and fill which may be in well.

(3) **Cement squeeze perforations from 5681' to 5765'. Determine formation fluid pore pressure, static bottom-hole pressure, prior to setting tubing and packer**.

(4) Add perforations from 5928' to 5932'. TIH w/2-7/8" tubing and injection retrievable packer to approximately 5832'. Circulate corrosion inhibitor or packer fluid in the tubing-casing annulus and set packer no more than 100' above top perforations (5094').

(5) With EPA inspector or other authorized personnel present, test well for **mechanical integrity (MIT)**, with pressure chart, if passed successfully, place well on injection status and wait upon written approval from EPA to start injection.

NOTE: MIT TEST METHODS AND CRITERIA ARE TO FOLLOW CURRENT UIC GUIDANCE.

The construction and conversion of this well complies with the UIC requirements and is incorporated into the Permit.

Report of water encountered during the drilling of the RWU #13-25A indicates there was no observed fresh water zones encountered while drilling the well. USDWs in the Uintah Formation are protected by cement and confining zones above the injection zones.

Injection Formation: The Green River Formation is of variable lithology consisting of alternate shales, and lenticular and discontinuous sediments of varied permeability, deposited in a primarily lacustrine environment. The **Green River Formation** beneath the **Red Wash**, Walker Hollow, White River, Gypsum Hills, and Wonsits Valley oil fields has been classified as an **exempted aquifer**, and is not considered by the EPA to be an underground source of drinking water (USDW). Water quality analyses from the Green River Formation in the Red Wash-Wonsits Valley area, collected for an aquifer study in 1982, by the State of Utah Natural Resources and Energy Water Rights Department, show that the total dissolved solids (TDS) content varies from 3,400 mg/l to 50,000 mg/l. Based on the lenticular and discontinuous nature of the formation's permeable zones, the presence of hydrocarbons, the relatively poor water quality of the contained water and the depth to the Green River Formation in this area is not reasonably expected to supply a public water supply system. Based upon the foregoing criteria, the Green River Formation in the above oil fields was exempted as a USDW in 1982 as part of the delegation of Utah's Class II UIC program delegation [**see 40 CFR §147.2251(c)(2)**, re: **"Aquifer Exemption Process"** dated June 16, 1982]. For this well, the **top of the Green River Formation is ±3064 feet measured depth (MD) below ground level. The entire Green River Formation has been exempted from protection as a USDW.**

Uinta Formation: The overlying formation is the **Uinta Formation** which extends from surface to ±3084' and in this area consists of variegated sequences of mudstone, shales, siltstones and sandstones. This section is characterized by few developed sand bodies. These sand bodies generally are discontinuous and are not subject to direct recharge (low yielding). Waters of less than 10,000 mg/l total dissolved solids (TDS) may be present in these sand lenses of the Uinta Formation in this area and may be considered USDWs. The well construction and plugging requirements of this Permit are adequate to protect any USDWs that may be present in the Uinta Formation. Due to the presence of thick alternating shale intervals with-in the Green River Formation, and intervals of adequate annulus cement on the backside of the 5-1/2" production casing, trans migration of the injection fluid is not expected to migrate up to the Uinta Formation above 3084'.

Tubing and Packer Specifications (Condition 2)

The 2-7/8 inch injection tubing information submitted by the applicant is incorporated into the Permit and shall be binding on

the permittee. The packer will be set at a depth of approximately 5832 feet KB, or no more than 100 feet above the top perforations (5907').

Monitoring Devices (Condition 3)

For the purposes of taking tubing and tubing/long string casing annulus pressure measurements, the EPA is requiring that the permittee install ½ inch fittings or equivalent quick disconnect fittings, with cut-off valves at the well head on the tubing, and on the tubing/casing annulus **(for attachment of pressure gauges)**. EPA is further requiring the permittee to install a sampling tap on the line to the injection well and a flow meter that will be used to measure cumulative volumes of injected fluid. The permittee shall be required to maintain these devices in good operating condition.

Formation Testing (Condition 4)

The permittee is required to determine the **injection zone fluid pore pressure (static bottom-hole pressure) prior to setting injection packer** and commencing injection operations.

PART II, Section B CORRECTIVE ACTION

The applicant submitted the required 1/4-mile Area of Review (AOR) information with the Permit application. The subject well and a producing oil well, #204 (23-25A), drilled and completed in July, 1965, are the only wells within the one-quarter mile AOR.

An EPA analysis of the RWU #13-25A confining zone (5006' to 5094') has identified at a minimum a continuous eighteen (18) foot interval of at least 80% bond index cement bond through or significantly proximate to this zone. Therefore, it has been determined that cement in this well provides an effective barrier to significant upward movement of fluids through vertical channels adjacent to the wellbore, **therefore, the permittee is not required to take any corrective action before the effective date of this Permit.**

PART II, Section C WELL OPERATION

Prior To Commencing Injection (Condition 1)

Injection for the RWU #13-25A will not commence until the permittee has fulfilled all applicable conditions of the Permit and has received written authorization from the Director as to the following:

(1) The permittee has determined the **injection zone fluid pore pressure**; and

(2) A successfully passed **mechanical integrity pressure test (MIT), Part I (Internal)** has been performed and witnessed according to the current guidelines discussed in the Permit; and

(3) submitted a **Well Rework Record (EPA Form 7520-12)** following conversion; and

(4) **a separate written authorization** to inject will be given subsequent to the EPA review and approval of (1), (2), and (3) above.

Mechanical Integrity (Condition 2)

A tubing/casing annulus pressure test must be conducted, at least once every five (5) years (active injection wells) to demonstrate continued tubing, packer, and casing integrity by using an EPA approved method.

Injection Interval (Condition 3)

Injection will be limited to the gross Green River Formation, being 5094' to 6021'. The permittee may find it necessary to perforate additional intervals within the above gross interval. These additional perforations may be added later and reported on EPA Form 7520-12.

The **confining zone** above the Green River Formation injection interval consists of 88' (5006'- 5094') of dolomitic shales with interbedded tight mudstones and carbonates with an occasional thin siltstone and tight sandstone stringers which act as an isolation barrier for the accumulation of oil and for the waterflood. An additional 1922' of intervening strata lies between the top of the confining zone at 5006' and the top of the Green River Formation at 3084'. The intervening strata consists of tightly interbedded shales, carbonate mudstones, siltstones and sandy limestones. Analysis of the Cement Bond Log/Gamma Ray (CBL/GR) has determined that the annulus cement in the RWU #13-25A well provides an effective barrier to significant upward movement of fluids through vertical channels adjacent to the wellbore.

Injection Pressure Limitation (Condition 4)

Maximum injection pressure (MIP); the estimated injection pressure gradient is based upon existing UIC permitted surface injection pressures with-in the Red Wash Unit. At this time Shenandoah is requesting a fracture gradient (FG) of 0.78 psi/ft.

5907' x 0.433 psi/ft. = 2558
Injection pressure = 2075 psi + 2558 psi = 4633 psi
Injection pressure gradient = 4633 psi/5907' = 0.78 psi/ft.

Theoretical maximum allowable surface injection pressure (Pm) is 2075 psi. (based on the top perforation of 5907')

Pm = maximum pressure at the wellhead

1.005 = specific gravity of the injected fluid
0.78 = face fracture gradient
5907'= depth to top perforations
0.433 = normal pressure gradient

Pm = [0.78 - 0.433 (1.005)] 5907 = 2060 psig

Until such time as the permittee demonstrates, through a step-rate injectivity test (SRT), that the fracture gradient is other than 0.78 psig/ft, the RWU #13-25A well shall be operated at a surface injection pressure **no greater than 2060 psig**. Permit provisions have been made that allows the Director to **increase or decrease** the injection pressure based upon the test results and/or other parameters reflecting actual injection operations.

Injection Volume Limitation (Condition 5)

There is no limitation on the number of barrels of water per day (BWPD) that may be injected into the RWU #13-25A, provided that in no case shall injection pressure exceed that limit shown in Modified Part II, Section C. 4., of this permit. Injected fluids shall be limited to that which are identified in 40 CFR § 144.6 (b) (2) as fluids used for enhanced recovery of oil or natural gas. The permittee shall provide a listing of the sources of injected fluids on an annual basis as required by the permit.

Injection Fluid Limitation. (Condition 6)

Injection fluids are limited to those which are identified in 40 CFR § 144.6. (b) (2) as fluids used for enhanced recovery of oil and/or natural gas. **Injection of any hazardous waste as identified by EPA under 40 CFR § 261.3 is prohibited.**

PART II, Section D MONITORING, RECORDKEEPING AND REPORTING OF RESULTS

Injection Well Monitoring Program (Condition 1)

The permittee is required to monitor water quality of the injected fluids at annual intervals for total dissolved solids, pH, specific conductivity, and specific gravity. Any time there is a change in the source of injection fluid, a new water quality analysis is required.

In addition, weekly observations of flow rate, injection pressure, annulus pressure and cumulative volume will be made. Observation of each will be recorded on a monthly basis.

The permittee shall maintain copies (or originals) of all pertinent records at the office of:

Shenandoah Energy Inc.
475 17th Street, Suite 1000
Denver, Colorado.

PART II, Section E PLUGGING AND ABANDONMENT

Plugging and Abandonment Plan (Condition 1)

The plugging and abandonment plan submitted by the applicant, consists of six (6) plugs and is incorporated into the permit under **Appendix C of the Permit.** This plan has been reviewed and approved by the EPA. It is consistent with UIC requirements:

NOTE: CEMENT PLUGS ARE TO BE SEPARATED BY BENTONITE MUD OR A 9.6 PPG PLUGGING GEL (BRINE WATER WITH A GELLING AGENT).

PART II, Section F FINANCIAL RESPONSIBILITY

Demonstration of Financial Responsibility (Condition 1)

Shenandoah has chosen to demonstrate financial responsibility through a Surety Performance Bond in the amount of $1,980,000, $18,000 per well to cover the cost of plugging and abandoning 110 wells. Shenandoah has also submitted an accompanying Standby Trust Agreement that has been reviewed and approved by the EPA.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8
999 18TH STREET - SUITE 300
DENVER, CO 80202-2466
http://www.epa.gov/region08

UNDERGROUND INJECTION CONTROL PROGRAM

FINAL PERMIT

Class II Enhanced Oil Recovery Well

EPA Permit No. UT2925-04648

Well Name: Red Wash Unit #13-25A
Field Name: Red Wash
County & State: Uintah, Utah

issued to:

Shenandoah Energy Inc.
475 17th Street, Suite #1000
Denver, CO 80202

Date Prepared: May 2002

Printed on Recycled Paper

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PART I. AUTHORIZATION TO CONVERT AND OPERATE

Pursuant to the Underground Injection Control Regulations of the U. S. Environmental Protection Agency codified at Title 40 of the Code of Federal Regulations, Parts 124, 144, 146, and 147,

Shenandoah Energy Inc. (SEI)
475 17th Street, Suite #1000
Denver, CO 80202

is hereby authorized to convert and operate an active Lower Green River Formation oil well to a Class II enhanced oil recovery injection well, injecting into the same producing zones and well commonly known as:

Red Wash Unit (RWU) #13-25A
NW/4 SW/4 Section 25, Township 7 South, Range 22 East
Uintah County, Utah.

Injection shall be for the purpose of enhanced oil recovery so that Shenandoah Energy Inc. may continue to economically produce oil from their Red Wash Field in accordance with conditions set forth herein. Injection between the outermost casing protecting underground sources of drinking water (USDWs) and the wellbore is prohibited. If the well is not converted within one (1) year from the effective date of this Permit, the Permit shall expire as provided by Part II, Section A. 6.

Injection activities shall not commence until the operator has fulfilled all applicable conditions of this Permit and has received written authorization to inject from the Director. "Prior to Commencing Injection" requirements are set forth in Part II, Section C. 1., of this Permit.

All conditions set forth herein refer to Title 40 Parts 124, 144, 146, and 147 of the Code of Federal Regulations (40 CFR) and are regulations that are in effect on the date that this Permit becomes effective.

This Permit consists of a total of 32 pages and includes all items listed in the Table of Contents. Further, it is based upon representations made by the permittee and on other information contained in the administrative record. Any information submitted by the permittee found to be incorrect may be cause for modification or termination of the Permit and/or may subject the

permittee to formal enforcement action. **It is the responsibility of the permittee to read, understand, and carryout all provisions of this Permit**.

This Permit and the authorization to operate are issued for the operating life of the well, unless terminated (Part III, Section B), or except upon automatic expiration due to prolonged postponement of conversion (Part II, Section A. 6.). The Permit will be reviewed by EPA at least every five (5) years to determine whether action under 40 CFR § 144.36 (a) is warranted. The Permit will expire upon delegation of primary enforcement responsibility for the UIC Program to the State of Utah, Division of Oil, Gas, and Mining, or the Uintah-Ouray Indian Tribal Government, unless either the State or the Indian Tribal Government has adequate authority, and choose, to adopt and enforce this Permit as a State Permit or Tribal Government Permit.

Issued MAY 16 2002.

This Permit shall become effective MAY 16 2002.

Kerrigan G. Clough
* Assistant Regional Administrator
Office of Partnerships and
Regulatory Assistance

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

PART II. SPECIFIC PERMIT CONDITIONS

A. WELL CONVERSION REQUIREMENTS

1. **Casing and Cementing**. The conversion details submitted with the application are hereby incorporated into this permit as **Appendix A**, and shall be binding on the permittee. Cement bonds between the wellbore and casing are as follows: (1): 1st stage cement extends from the base of the 5-1/2 inch production casing (6055') up to an estimated top of 2620 feet kelly bushing (KB) as calculated by a Cement Bond Log (CBL); and (2): cement extends from the base of the 9-5/8 inch surface casing, set at 482 feet, up to the surface.

2. **Tubing and Packer Specifications**. A tubing of two and seven-eighths (2-7/8) inches diameter shall be utilized with a packer placed at a depth of approximately 5550 feet kelly bushing (KB). The permittee is required to set the packer at a distance of no more than 100 feet above the top perforations (5094'). Injection between the outer-most casing protecting underground sources of drinking water (USDWs) and the well bore is prohibited.

3. **Monitoring Devices**. The operator shall provide and maintain in good operating condition:

   (a) a tap on the suction line, for the purpose of obtaining representative samples of the injection fluids;

   (b) two (2), one-half (½) inch Female Iron Pipe (FIP) fittings, isolated by plug or globe valves, and located: 1) at the wellhead on the tubing; and 2) on the tubing/casing annulus (for attachment of pressure gauges). The gauges shall be designed to operate at a certified accuracy of at least ninety-five (95) percent, throughout the range of anticipated injection pressures; and

   (c) a flow meter that will be used to measure cumulative volumes of injected fluid.

4. **Proposed Changes and Workovers**. The operator shall give **five (5) to ten (10) days notice to the Director, of any planned physical alterations or additions to the**

permitted well(s). Major alterations or workovers of the permitted well shall meet all conditions as set forth in this Permit. A major alteration/workover shall be considered any work performed, which affects casing, packer(s), or tubing.

Demonstration of mechanical integrity shall be performed within thirty (30) days of completion of workovers/alterations and prior to injection activities, in accordance with Part II, Section C. 2.

The permittee shall provide all records of well workovers, logging, or other test data to EPA within sixty (60) days of completion of the activity. **Appendix B** contains samples of the appropriate reporting forms.

5. **Formation Testing**. The permittee is required to determine the **injection zone fluid pore pressure (static bottom-hole pressure)**.

6. **Postponement of Conversion**. If the well is **not converted** to injection status **within one (1) year** from the effective date of this permit, **the authorization to convert and operate will automatically expire, unless the permittee requests and is granted an extension.** The request shall be made to the Director in writing, and shall state the reasons for the delay in conversion/construction, and confirm the protection of all USDWs. The extension under this section may not exceed one (1) year. Once authorization to convert and operate expires under this part, the full permitting process, including opportunity for public comment, must be repeated before authorization to construct/convert and operate will be reissued. Financial responsibility shall be maintained during the period of inactivity in accordance with Part II, Section F.

B. CORRECTIVE ACTION

The applicant submitted the required 1/4-mile Area of Review (AOR) information with the permit application. Within the AOR are two (2) Green River Formation wells; (1) the subject well and (2) a producing oil well, #204 (23-25), drilled and completed in July, 1965, as an oil well per State of Utah requirements and are the only wells within the one-quarter mile AOR. This well was constructed in such a manner as to preclude any

migration of injected fluids up hole. If any leaks are detected, the well will be shut-in immediately and corrective action will be taken to restore integrity to the wellbore. Therefore, the permittee is not required to take any corrective action prior to the issuance of this Permit.

C. WELL OPERATION

1. **Prior to Commencing Injection**. Injection operations may not commence until the permittee has complied with the following:

   (a) Conversion is complete and the permittee has submitted a **Well Rework Record (Form 7520-12 in Appendix B); A current wellbore diagram will be included**; and

   (b) the permittee has determined the **injection zone fluid pore pressure (static bottom-hole pressure); and**

   (c) a **successfully passed mechanical integrity pressure test (MIT), Part I (Internal)** shall be performed with pressure chart, according to the current UIC Guidance for Conducting a Pressure Test to Determine if a Well Has Leaks in the Tubing, Casing or Packer. **This guidance will be made available to the permittee when the final permit is issued.**

2. **Mechanical Integrity Demonstration**.

   (a) Notification. The Permittee shall notify the Director at least two (2) weeks prior to any required integrity test. The Director may allow a shorter notification period if it would be sufficient to enable EPA to witness the mechanical integrity test. Notification may be in the form of a yearly or quarterly schedule of planned mechanical integrity tests (MIT), or it may be on an individual basis.

   (b) Test Methods and Criteria. Test methods and criteria are to follow **current UIC Guidance for Conducting a Pressure Test to determine if a Well has leaks in the Tubing, Casing or Packer. To assure that the test pressure will detect**

significant leaks and that the casing is subjected to pressure similar to that which would be applied if tubing or packer fails, the tubing/casing annulus should be tested at a pressure equal to the maximum allowed injection pressure or 1000 psig whichever is less. The annular test pressure must, however, have a difference of at least 200 psig either greater or less than the injection tubing pressure. Wells which inject at pressures of less than 300 psig must test at a minimum pressure of 300 psig, and the pressure difference between the annulus and the injection tubing must be at least 200 psig.

(c) Routine Demonstrations of Mechanical Integrity. The Permittee must demonstrate mechanical integrity by arranging and conducting a routine tubing/casing annulus pressure test at least one every five (5) years during the life of the facility and **after workovers (see Part II. A. 4.)**. Results of the test shall be submitted (on EPA form found in **Appendix B**) to the Director as soon as possible but no later than sixty (60) days after the test is complete.

(d) Loss of Mechanical Integrity. The operator is required to establish and maintain mechanical integrity [40 CFR § 144.51(q)]. If the well fails to demonstrate mechanical integrity during a test, or a loss of mechanical integrity as defined by 40 CFR § 146.8 becomes evident during operation, the permittee shall notify the Director in accordance with Part III, Section E. 10. (c) of this permit. Furthermore, injection activities shall be terminated immediately; and operation shall not be resumed until the permittee has taken necessary actions to restore integrity to the well and the Director gives approval to recommence injection.

3. **Injection Interval**. As identified in **Appendix A**, injection shall be limited to the gross Green River Formation, being 5094' to 6021' subsurface. Additional perforations within the gross interval may be added later and reported on EPA Form 7520-12.

The **confining zone** above the Green River Formation injection interval consists of 88' (5006- 5094') of

shale, calcareous in part with occasional thin siltstone and tight sandstone stringers which acts as an isolation barrier for the accumulation of oil and for the waterflood. An additional 1922' of intervening strata lies between the top of the confining zone at 5006' and the top of the Green River Formation at 3084'.

4. **Injection Pressure Limitation**.

   (a) Injection pressure, measured at the surface, shall not exceed an amount that the Director determines is appropriate to ensure that injection does not initiate new fractures or propagate existing fractures in the confining zone adjacent to USDWs.

   (b) The exact pressure limit may be **increased or decreased** by the Director in order to ensure that the requirements in paragraph (a) are fulfilled. In order to determine an exact pressure limit, the permittee shall conduct a step rate injection test or other authorized well test(s) that will serve to determine the fracture pressure of the injection zone. Test procedures shall be pre-approved in writing by the Director. The Director will specify in writing, to the permittee, any increase or decrease to the injection pressure based upon the test results and/or other parameters reflecting actual injection operations. Until such time that this demonstration and approval is made, **the injection pressure, measured at the surface shall not exceed 2060 psig (maximum injection pressure)**.

5. **Injection Volume Limitation**. There is no limitation on the number of barrels of water per day (BWPD) that shall be injected into this well, provided further that in no case shall injection pressure exceed that limit shown in Part II, Section C. 4. (b) of this Permit.

6. **Injection Fluid Limitation**. The permittee shall not inject any hazardous substances, as defined by 40 CFR part 261, at any time during the operation of the facility; and further, no substances other than those produced brines from oil and/or gas production and source water for water flooding in the Red Wash field.

7. **Annular Fluid**. The annulus between the tubing and the casing shall be filled with fresh water treated with a

corrosion inhibitor to prevent corrosion. A diesel freeze blanket may be circulated from surface to below frost level at completion to prevent freezing and possible equipment failure during winter months, or other fluid as approved, in writing, by the Director.

D. MONITORING, RECORDKEEPING, AND REPORTING OF RESULTS

1. **Injection Well Monitoring Program**. Samples and measurements shall be representative of the monitored activity. The permittee shall utilize the applicable analytical methods described in Table 1 of 40 CFR § 136.3, or in Appendix III of 40 CFR Part 261, or in certain circumstances, by other methods that have been approved by the EPA Administrator. Monitoring shall consist of:

   (a) Analysis of the injected fluids, performed:

      (i) **Annually** for Total Dissolved Solids, pH, Specific Conductivity, and Specific Gravity, from the common facility; however, if injection is maintained from more than one well from each common facility, then only one annual analysis is required for that facility.

      (ii) Whenever there is a change in the source of injection fluids. A comprehensive water analysis shall be submitted to the Director within thirty (30) days of any change in injection fluids.

   (b) **In addition to the** weekly well site inspection for surface leaks; observations of flow rate, injection pressure, annulus pressure, and cumulative volume shall be conducted monthly. All observations shall be observed and/or measured at approximately the same time. Observations of each shall be **recorded monthly**.

2. **Monitoring Information**. Records of any monitoring activity required under this permit shall include:

   (a) The date, exact place, the time of sampling or field measurements;

(b) The name of the individual(s) who performed the sampling or measurements;

(c) The exact sampling method(s) used to take samples;

(d) The date(s) laboratory analyses were performed;

(e) The name of the individual(s) who performed the analyses;

(f) The analytical techniques or methods used by laboratory personnel; and

(g) The results of such analyses.

3. **Recordkeeping**.

(a) The permittee shall retain records concerning:

(i) the nature and composition of all injected fluids until three (3) years after the completion of plugging and abandonment which has been carried out in accordance with the Plugging and Abandonment Plan shown in **Appendix C**, and is consistent with 40 CFR § 146.10.

(ii) all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation and copies of all reports required by this permit for a period of at least five (5) years from the date of the sample, measurement or report throughout the operating life of the well.

(b) The permittee shall continue to retain such records after the retention period specified in paragraphs (a) (i) and (a) (ii) unless he delivers the records to the Director or obtains written approval from the Director to discard the records.

(c) The permittee shall maintain copies (or originals) of all pertinent records at the office of:

Shenandoah Energy Inc. (SEI)
475 17th Street, Suite 1000
Denver, Colorado.

4. **Reporting of Results**. The permittee shall submit an **Annual Report** to the Director summarizing the results of the monitoring required by Part II, Section D. 1. (a) and (b) of this permit. Copies of all monthly records on injected fluids, and any major changes in characteristics or sources of injected fluid shall be included in the Annual Report.

   The first Annual Report shall cover the period from the effective date of the permit through December 31, of that year. Subsequently, the Annual Report shall cover the period from January 1 through December 31, and shall be submitted **by February 15** of the following year. **Appendix B** contains Form 7520-11 which may be copied and used to submit the annual summary of monitoring.

E. PLUGGING AND ABANDONMENT

1. **Notice of Plugging and Abandonment**. The permittee shall notify the Director forty-five (45) days before conversion, or abandonment of the well.

2. **Plugging and Abandonment Plan**. The permittee shall plug and abandon the well as provided in the Plugging and Abandonment Plan, **Appendix C**. This plan incorporates information supplied by the permittee and may contain a clarification by the EPA. The EPA reserves the right to change the manner in which the well will be plugged if the well is modified during its permitted life or if the well is not made consistent with EPA requirements for construction and mechanical integrity. The Director may require the permittee to update the estimated plugging cost periodically. Such estimates, two (2), shall be based on an independent service company's cost for current EPA approved P&A operations, not an "in-house" cost estimate.

3. **Cessation of Injection Activities**. After a cessation of operations of two (2) years [40 CFR § 144.52 (a)(6)], the permittee shall plug and abandon the well in accordance with the Plugging and Abandonment Plan, unless the permittee:

   (a) has provided notice to the Director; and

   (b) has demonstrated that the well will be used in the future; and

(c) has described actions or procedures, satisfactory to the Director, that will be taken to ensure that the well will not endanger underground sources of drinking water during the period of temporary abandonment.

4. **Plugging and Abandonment Report**. Within sixty (60) days after plugging the well, the permittee shall submit a report on Form 7520-13 to the Director. The report shall be certified as accurate by the person who performed the plugging operation and the report shall consist of either: (1) a statement that the well was plugged in accordance with the plan; or (2) where actual plugging differed from the plan, a statement that specifies the different procedures followed.

F. FINANCIAL RESPONSIBILITY

1. **Demonstration of Financial Responsibility**. The permittee has chosen to demonstrate financial responsibility through a Surety Performance Bond in the amount of $1,980,000, **$18,000 per well to cover the cost of plugging and abandoning 110 wells as listed under Schedule "A"**. Shenandoah has also submitted an accompanying Standby Trust Agreement that has been reviewed and approved by the EPA.

   (a) The **permittee shall submit financial statements and other information annually, or as required by EPA**, in order to demonstrate that its financial position remains sound, and that it continues to have adequate financial resources, as determined by the EPA, to close, plug, and abandon the injection well(s) in accordance with the approved plugging and abandonment plan.

   (b) If financial statements or other information indicate that the permittee no longer has financial resources, according to EPA criteria, to assure that the injection wells will be properly plugged and abandoned, then the permittee must make an alternate showing of financial responsibility. This showing must be acceptable to the Director and must be submitted within sixty (60) days after having been notified by EPA of the necessity for making an alternate showing of financial responsibility.

(c) The permittee may upon his own initiative and upon written request to EPA, change the method of demonstrating financial responsibility from financial statement coverage to a financial instrument such as a bond, letter of credit, or trust fund. Any such change must be approved by the Director.

2. **Insolvency of Financial Institution**. In the event that an alternate demonstration of financial responsibility has been approved under (b) or (c), above, the permittee must submit an alternate demonstration of financial responsibility acceptable to the Director within sixty (60) days after either of the following events occur:

(a) The institution issuing the trust or financial instrument files for bankruptcy; or

(b) The authority of the trustee institution to act as trustee, or the authority of the institution issuing the financial instrument, is suspended or revoked.

PART III. GENERAL PERMIT CONDITIONS

A. EFFECT OF PERMIT. The permittee is allowed to engage in underground injection in accordance with the conditions of this permit. The permittee, as authorized by this permit, shall not construct, operate, maintain, convert, plug, abandon, or conduct any other injection activity in a manner that allows the movement of fluid containing any contaminant into underground sources of drinking water, if the presence of that contaminant may cause a violation of any primary drinking water regulation under 40 CFR, Part 142 or otherwise adversely affect the health of persons. Any underground injection activity not authorized in this permit or otherwise authorized by permit or rule is prohibited. Issuance of this permit does not convey property rights of any sort or any exclusive privilege; nor does it authorize any injury to persons or property, any invasion of other private rights, or any infringement of State or local law or regulations. Compliance with the terms of this permit does not constitute a defense to any enforcement action brought under the provisions of Section 1431 of the Safe Drinking Water Act (SDWA) or any other law governing protection of public health or the environment for any imminent and substantial endangerment to human health, or the environment, nor does it serve as a shield to the permittee's independent obligation to comply with all UIC regulations.

B. PERMIT ACTIONS

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

2. **Conversions**. The Director may, for cause or upon a request from the permittee allow conversion of the well from a Class II injection well to a non-Class II well. Requests to convert the injection well from its Class II status to a non-Class II well, such as, a production well, must be made in writing to the Director. Conversion may not proceed until a permit modification indicating the conditions of the proposed conversion is received by the permittee. Conditions of the modification may include such items as, but is not limited to, approval of the proposed well rework, follow up demonstration of mechanical integrity, and well specific monitoring and reporting following the conversion.

3. **Transfers**. This permit **is not transferrable to any person except after notice is provided to the Director and the requirements of 40 CFR § 144.38 are complied with**. The Director may require modification, or revocation and reissuance, of the permit to change the name of the permittee and incorporate such other requirements as may be necessary under the SDWA.

4. **Operator Change of Address.** Upon the operator's change of address, notice must be given to the following EPA office:

U. S. Environmental Protection Agency
Region VIII, UIC Section (8P-W-GW)
999 18th Street, Suite 300
Denver, CO 80202-2466

C. SEVERABILITY

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

D. CONFIDENTIALITY

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

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

E. GENERAL DUTIES AND REQUIREMENTS

1. **Duty to Comply**. The permittee shall comply with all conditions of this permit, except to the extent and for the duration such noncompliance is authorized by an emergency permit. Any permit noncompliance constitutes a violation of the SDWA and is grounds for enforcement action, permit termination, revocation and reissuance, or modification. Such noncompliance may also be grounds for enforcement action under the Resource Conservation and Recovery Act (RCRA).

2. **Penalties for Violations of Permit Conditions**. Any person who violates a permit requirement is subject to civil penalties, fines, and other enforcement action under the SDWA and may be subject to such actions pursuant to the RCRA. Any person who willfully violates permit conditions may be subject to criminal prosecution.

3. **Need to Halt or Reduce Activity not a Defense**. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

4. **Duty to Mitigate**. The permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit.

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

6. **Duty to Provide Information**. The permittee shall furnish the Director, within a time specified, any information which the Director may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. The permittee shall also furnish to the Director, upon request, copies of records required to be kept by this permit.

7. **Inspection and Entry**. The permittee shall allow the Director, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to:

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

   (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

(c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and

(d) Sample or monitor, at reasonable times, for the purpose of assuring permit compliance or as otherwise authorized by the SDWA any substances or parameters at any location.

8. **Records of Permit Application**. The permittee shall maintain records of all data required to complete the permit application and any supplemental information submitted for a period of five (5) years from the effective date of this permit. This period may be extended by request of the Director at any time.

9. **Signatory Requirements**. **All reports or other information requested by the Director shall be signed and certified according to 40 CFR § 144.32.**

10. **Reporting of Noncompliance**.

(a) Anticipated Noncompliance. The permittee shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

(b) Compliance Schedules. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted **no later than thirty (30) days following** each schedule date.

(c) Written notice of any noncompliance which may endanger health or the environment **shall be provide to the Director within five (5) days** of the time the operator becomes aware of the noncompliance. The written notice shall contain a description of the noncompliance and its cause; the period of noncompliance including exact dates and times; if the noncompliance has not been corrected the anticipated time it expected to continue; and steps taken or planned to prevent or reduce recurrence of the noncompliance.

11. Twenty-four Hour Noncompliance Reporting. **The operator shall report to the Director any noncompliance which may endanger health or the environment.** Information shall be provided, either orally or by leaving a message, within twenty-four (24) hours from the time the operator becomes aware of the circumstances by telephoning **1.800.227.8917 and asking for the EPA Region VIII UIC Program Compliance and Enforcement Director**, or by contacting the EPA Region VIII Emergency Operations Center at 303.293.1788 if calling from outside EPA Region VIII. The following information shall be included in the verbal report:

    (a) Any monitoring or other information which indicates that any contaminant may cause endangerment to a USDW.

    (b) Any noncompliance with a permit condition or malfunction of the injection system which may cause fluid migration into or between USDWs.

12. Oil Spill and Chemical Release Reporting. The operator shall comply with all other reporting requirements related to oil spills and chemical releases or other potential impacts to human health or the environment by contacting the National Response Center (NRC) at 1.800.424.8802 or 202.267.2675, or through the NRC website at http://www.nrc.uscg.mil/index.htm.

13. Other Noncompliance. The operator shall report all other instances of noncompliance not otherwise reported at the time monitoring reports are submitted. The reports shall contain the information listed in Part III, Section E.10.(c) of this permit.

14. Other Information. Where the operator becomes aware that he failed to submit any relevant facts in the permit application, or submitted incorrect information in a permit application, or in any report to the Director, the operator shall submit such correct facts or information within two (2) weeks of the time such information became known to him.

(A) Any monitoring or other information which indicates that any contaminant may cause endangerment to an underground source of drinking water.

(B) Any noncompliance with a permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.

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

(d) Other Noncompliance. The permittee shall report all other instances of noncompliance not otherwise reported at the time monitoring reports are submitted. The reports shall contain the information listed in Part III, Section E. 10.(C) (ii) of this permit.

(e) Other Information. Where the permittee becomes aware that he failed to submit any relevant facts in the permit application, or submitted incorrect information in a permit application or in any report to the Director, the permittee shall submit such correct facts or information within two (2) weeks of the time such information became known to him.

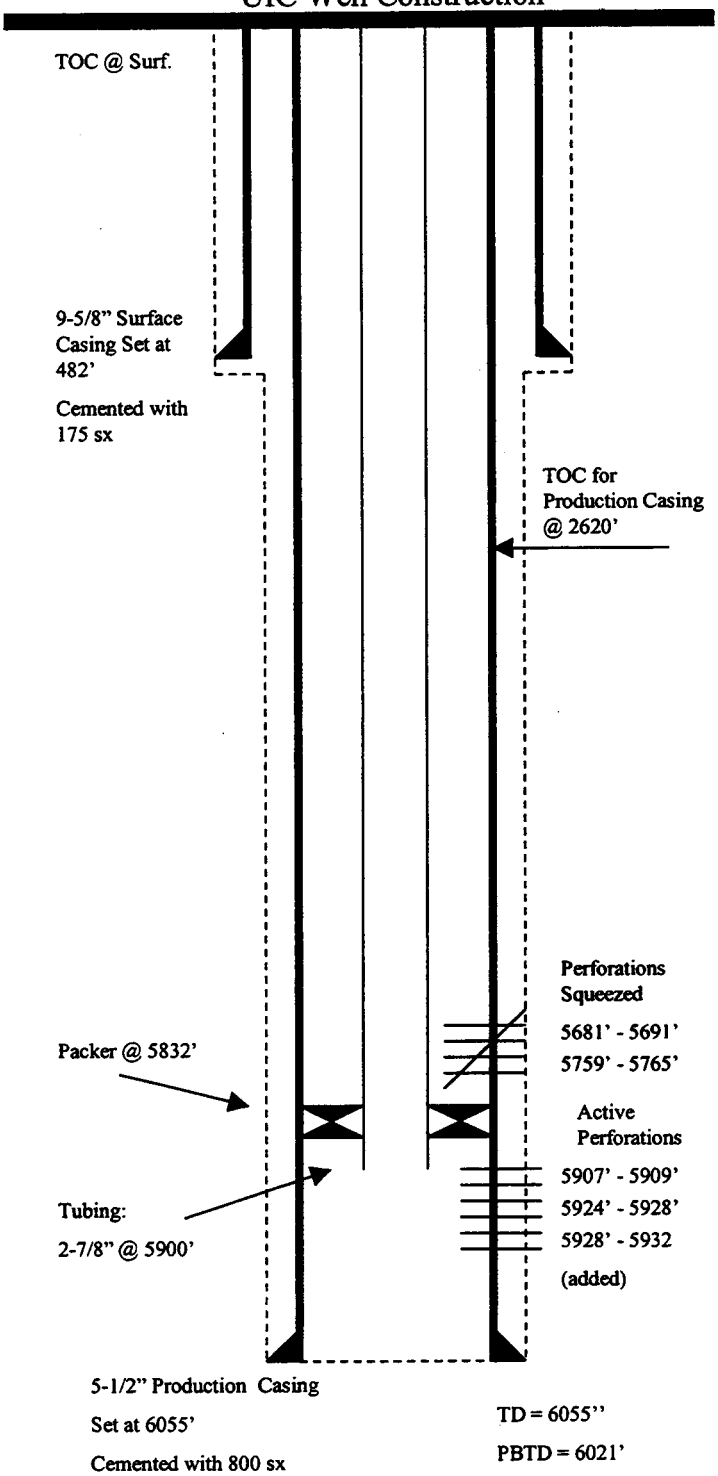
APPENDIX A

(Conversion Details)

RWU # 13-25A

Proposed

UIC Well Construction



APPENDIX B

(Reporting Forms and Instructions)

1.	EPA Form 7520- 7:	APPLICATION TO TRANSFER PERMIT
2.	EPA Form 7520-10:	COMPLETION REPORT FOR BRINE DISPOSAL WELL
3.	EPA Form 7520-11:	ANNUAL DISPOSAL/INJECTION WELL MONITORING REPORT
4.	EPA Form 7520-12:	WELL REWORK RECORD
5.	EPA Form 7520-13:	PLUGGING RECORD
6.	EPA Form MIT	MECHANICAL INTEGRITY TEST

Approved. OMB No. 2000-0042. Approval expires 9-30-9

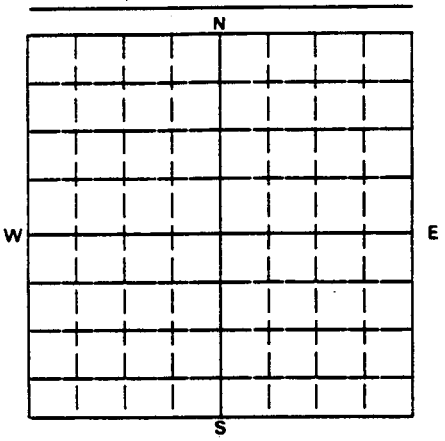
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

EPA

APPLICATION TO TRANSFER PERMIT

NAME AND ADDRESS OF EXISTING PERMITTEE	NAME AND ADDRESS OF SURFACE OWNER

LOCATE WELL AND OUTLINE UNIT ON SECTION PLAT — 640 ACRES



STATE	COUNTY	PERMIT NUMBER

SURFACE LOCATION DESCRIPTION

¼ OF ¼ OF ¼ SECTION TOWNSHIP RANGE

LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT

Surface Location _____ ft. from (N/S) _____ Line of quarter section

and _____ ft. from (E/W) _____ Line of quarter section

WELL ACTIVITY	WELL STATUS	TYPE OF PERMIT
☐ Class I	☐ Operating	☐ Individual
☐ Class II	☐ Modification/Conversion	☐ Area
☐ Brine Disposal	☐ Proposed	Number of Wells _____
☐ Enhanced Recovery		
☐ Hydrocarbon Storage		
☐ Class III		
☐ Other		

Lease Name Well Number

NAME(S) AND ADDRESS(ES) OF NEW OWNER(S)	NAME AND ADDRESS OF NEW OPERATOR

Attach to this application a written agreement between the existing and new permittee containing a specific date for transfer of permit responsibility, coverage, and liability between them.

The new permittee must show evidence of financial responsibility by the submission of surety bond, or other adequate assurance, such as financial statements or other materials acceptable to the director.

CERTIFICATION

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

NAME AND OFFICIAL TITLE *(Please type or print)*	SIGNATURE	DATE SIGNED

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

EPA

COMPLETION REPORT FOR BRINE DISPOSAL, HYDROCARBON STORAGE, OR ENHANCED RECOVERY WELL

Form Approved
OMB No. 2040-0042
Approval expires 9-30-86

NAME AND ADDRESS OF EXISTING PERMITTEE

NAME AND ADDRESS OF SURFACE OWNER

LOCATE WELL AND OUTLINE UNIT ON SECTION PLAT — 640 ACRES

N
W
E
S

STATE | COUNTY | PERMIT NUMBER

SURFACE LOCATION DESCRIPTION
¼ OF ¼ OF ¼ SECTION TOWNSHIP RANGE

LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT

Surface Location _____ ft. from (N/S) _____ Line of quarter section

and _____ ft. from (E/W) _____ Line of quarter section

WELL ACTIVITY
- ☐ Brine Disposal
- ☐ Enhanced Recovery
- ☐ Hydrocarbon Storage

TYPE OF PERMIT
- ☐ Individual
- ☐ Area
- Number of Wells _____

Estimated Fracture Pressure of Injection Zone

Anticipated Daily Injection Volume (Bbls)		Injection Interval	
Average	Maximum	Feet	to Feet
Anticipated Daily Injection Pressure (PSI)		Depth to Bottom of Lowermost Freshwater Formation (Feet)	
Average	Maximum		

Type of Injection Fluid *(Check the appropriate block(s))*
- ☐ Salt Water
- ☐ Brackish Water
- ☐ Fresh Water
- ☐ Liquid Hydrocarbon
- ☐ Other

Lease Name | Well Number

Name of Injection Zone

Date Drilling Began | Date Well Completed

Permeability of Injection Zone

Date Drilling Completed

Porosity of Injection Zone

CASING AND TUBING			CEMENT		HOLE	
OD Size	Wt/Ft — Grade — New or Used	Depth	Sacks	Class	Depth	Bit Diameter

INJECTION ZONE STIMULATION		WIRE LINE LOGS, LIST EACH TYPE	
Interval Treated	Materials and Amount Used	Log Types	Logged Intervals

Complete Attachments A — E listed on the reverse.

CERTIFICATION

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

NAME AND OFFICIAL TITLE *(Please type or print)* | | DATE SIGNED

Form. roved. OMB No. 2000-0042. Approval expires 9-30-86

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

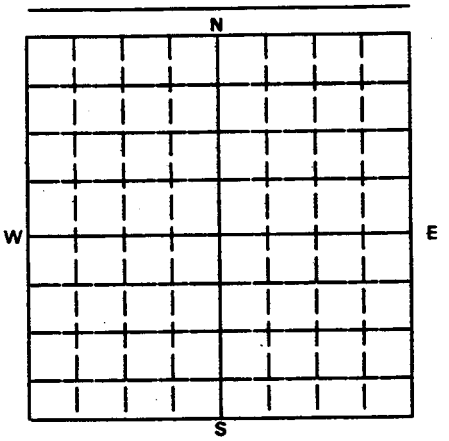
EPA

ANNUAL DISPOSAL/INJECTION WELL MONITORING REPORT

NAME AND ADDRESS OF EXISTING PERMITTEE	NAME AND ADDRESS OF SURFACE OWNER

STATE	COUNTY	PERMIT NUMBER

LOCATE WELL AND OUTLINE UNIT ON SECTION PLAT — 640 ACRES



SURFACE LOCATION DESCRIPTION

¼ OF ¼ OF ¼ SECTION TOWNSHIP RANGE

LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT

Surface Location _____ ft. from (N/S) _____ Line of quarter section

and _____ ft. from (E/W) _____ Line of quarter section

WELL ACTIVITY	TYPE OF PERMIT
☐ Brine Disposal	☐ Individual
☐ Enhanced Recovery	☐ Area
☐ Hydrocarbon Storage	Number of Wells _____

Lease Name Well Number

	INJECTION PRESSURE		TOTAL VOLUME INJECTED		TUBING — CASING ANNULUS PRESSURE (OPTIONAL MONITORING)	
MONTH YEAR	AVERAGE PSIG	MAXIMUM PSIG	BBL	MCF	MINIMUM PSIG	MAXIMUM PSIG

CERTIFICATION

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

NAME AND OFFICIAL TITLE *(Please type or print)*	SIGNATURE	DATE SIGNED

Form Appr[illegible]o. OMB No. 2000-0042. Approval expires 9-30-86

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

EPA

WELL REWORK RECORD

NAME AND ADDRESS OF PERMITTEE	NAME AND ADDRESS OF CONTRACTOR

LOCATE WELL AND OUTLINE UNIT ON SECTION PLAT — 640 ACRES

N
W E
S

STATE	COUNTY	PERMIT NUMBER

SURFACE LOCATION DESCRIPTION

¼ OF ¼ OF ¼ SECTION TOWNSHIP RANGE

LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT

Surface Location _____ ft. from (N/S) _____ Line of quarter section

and _____ ft. from (E/W) _____ Line of quarter section

WELL ACTIVITY		TYPE OF PERMIT
☐ Brine Disposal ☐ Enhanced Recovery ☐ Hydrocarbon Storage	Total Depth Before Rework	☐ Individual ☐ Area Number of Wells _____
	Total Depth After Rework	
Lease Name	Date Rework Commenced	Well Number
	Date Rework Completed	

WELL CASING RECORD — BEFORE REWORK

Casing		Cement		Perforations		Acid or Fracture Treatment Record
Size	Depth	Sacks	Type	From	To	

WELL CASING RECORD — AFTER REWORK *(Indicate Additions and Changes Only)*

Casing		Cement		Perforations		Acid or Fracture Treatment Record
Size	Depth	Sacks	Type	From	To	

DESCRIBE REWORK OPERATIONS IN DETAIL USE ADDITIONAL SHEETS IF NECESSARY	WIRE LINE LOGS, LIST EACH TYPE	
	Log Types	Logged Intervals

CERTIFICATION

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

NAME AND OFFICIAL TITLE *(Please type or print)*	SIGNATURE	DATE SIGNED

UNITED STATES ENVIRONMENTAL PROTECT AGENCY
WASHINGTON, DC 20460

EPA

PLUGGING RECORD

NAME AND ADDRESS OF PERMITTEE

NAME AND ADDRESS OF CEMENTING COMPANY

STATE | COUNTY | PERMIT NUMBER

LOCATE WELL AND OUTLINE UNIT ON SECTION PLAT — 640 ACRES

N

W E

S

SURFACE LOCATION DESCRIPTION

¼ OF ¼ OF ¼ SECTION TOWNSHIP RANGE

LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT

Surface Location _____ ft. from (N/S) _____ Line of quarter section

and _____ ft. from (E/W) _____ Line of quarter section

TYPE OF AUTHORIZATION

☐ Individual Permit
☐ Area Permit
☐ Rule

Number of Wells _____

Lease Name

Describe in detail the manner in which the fluid was placed and the method used in introducing it into the hole

CASING AND TUBING RECORD AFTER PLUGGING

SIZE	WT(LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE

WELL ACTIVITY

☐ CLASS I
☐ CLASS II
☐ Brine Disposal
☐ Enhanced Recovery
☐ Hydrocarbon Storage
☐ CLASS III

METHOD OF EMPLACEMENT OF CEMENT PLUGS

☐ The Balance Method
☐ The Dump Bailer Method
☐ The Two-Plug Method
☐ Other

CEMENTING TO PLUG AND ABANDON DATA:	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)							
Depth to Bottom of Tubing or Drill Pipe (ft.)							
Sacks of Cement To Be Used (each plug)							
Slurry Volume To Be Pumped (cu. ft.)							
Calculated Top of Plug (ft.)							
Measured Top of Plug (if tagged ft.)							
Slurry Wt. (Lb./Gal.)							
Type Cement or Other Material (Class III)							

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS

From	To	From	To

Signature of Cementer or Authorized Representative

Signature of EPA Representative

CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprinsonment for knowing violations. (REF. 40 CFR 122.22)

NAME AND OFFICIAL TITLE *(Please type or print)* | SIGNATURE | DATE SIGNED

Mechanical Integrity Test
Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program, UIC Direct Implementation Program 8P-W-GW
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: ____/____/____

Test conducted by: _____

Others present: _____

Well Name: _____ Type: ER SWD Status: AC TA UC

Field: _____

Location: _____ Sec: ____ T ____ N / S R ____ E / W County: _____ State: ____

Operator: _____

Last MIT: ____/____/____ Maximum Allowable Pressure: _____ PSIG

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

Initial test for permit? [ ] Yes [ ] No

Test after well rework? [ ] Yes [ ] No

Well injecting during test? [ ] Yes [ ] No If Yes, rate: _____ bpd

Pre-test casing/tubing annulus pressure: _____ psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	psig	psig	psig
End of test pressure	psig	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	psig	psig	psig
5 minutes	psig	psig	psig
10 minutes	psig	psig	psig
15 minutes	psig	psig	psig
20 minutes	psig	psig	psig
25 minutes	psig	psig	psig
30 minutes	psig	psig	psig
minutes	psig	psig	psig
minutes	psig	psig	psig
RESULT	[ ] Pass [ ] Fail	[ ] Pass [ ] Fail	[ ] Pass [ ] Fail

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

(over)

APPENDIX C

PLUGGING & ABANDONMENT PLAN

and

SCHEMATIC

Red Wash Unit #13-25A

This plan has been reviewed and approved by the EPA. It is consistent with UIC requirements:

NOTE: **CEMENT PLUGS ARE TO BE SEPARATED BY BENTONITE MUD OR A 9.6 PPG PLUGGING GEL (BRINE WATER WITH A GELLING AGENT).**

PLUG 1. MIRU, ND WH & NU BOPE. PU Workstring & clean out to PBTD, circulate hole clean.

PLUG 2. Top of injection zone @ 5094', set CIBP @ 5050' & dump bail 35' "G" cement on top 5015'-5050'.

PLUG 3. Oil Shale 4046'-4095'; set balanced plug from 3996'-4145'.

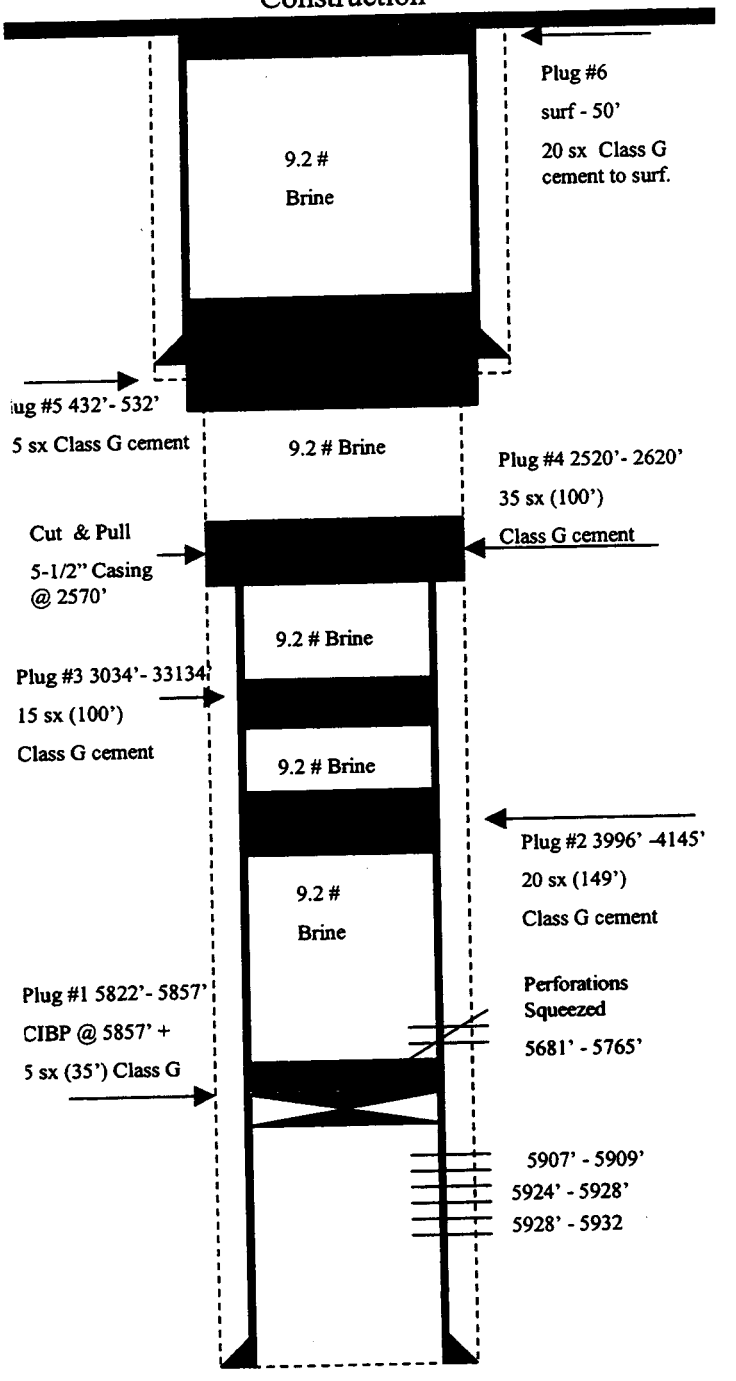
PLUG 4. Green River (USDW) top @ 3084'; C/O and pull csg. @ 2570'; set plug across 2520'-2620'.

PLUG 5. Surface csg. shoe @ 482'; set balanced plug from 432'- 532'.

PLUG 6. Cut off wellhead and set surface plug from surface to 50'.

Rig down and clean-up location.

Plugging and Abandonment Construction



TD = 6055'

PBTD = 6021'

RECEIVED
MAR 6 2002

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8
999 18TH STREET - SUITE 300
DENVER, CO 80202-2466
http://www.epa.gov/region08

MAY 16 2002

Ref: 8P-W-GW

RECEIVED
MAY 21 2002
DIVISION OF
OIL, GAS AND MINING

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

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Scott M. Webb
Regulatory Coordinator
Shenandoah Energy Inc.
475 17th Street, Suite #1000
Denver, CO 80202

RE: UNDERGROUND INJECTION CONTROL (UIC)
Final Permit Red Wash Unit
RWU #13-25A
EPA Permit No. UT2925-04648
Uintah County, Utah

Dear Mr. Webb:

Enclosed is a **Final Underground Injection Control Permit** for the proposed enhanced oil recovery well, the Red Wash Unit (RWU) #13-25A, Red Wash Field, Uintah County, Utah. A Statement of Basis is also enclosed which discusses the development of the Permit.

The public comment period ended on May 2, 2002. There were no comments from either the general public or the land owners who may be affected by the proposed action. We also did not receive any comments from you concerning our actions.

Following conversion, but prior to injection, Shenandoah Energy Inc. (Shenandoah) **must fulfill Permit condition Part II, Section C. 1., "Prior to Commencing Injection" and have submitted to the EPA for review and approval, the following:**

(1) All conversion is complete and the permittee has submitted a completed **Well Rework Record (EPA Form 7520-12 in Appendix B**; A current wellbore diagram will be included; and

(2) the **pore pressure has been determined**; and

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

Printed on Recycled Paper

(3) the permittee has submitted for review and approval **Part I (Internal) of the mechanical integrity test (MIT)**; EPA form enclosed with current MIT Guidance.

Please be aware that Shenandoah does not have authorization to begin injection into the RWU #13-25A until the items listed above have been approved by the EPA and Shenandoah has **received written authorization to begin injection** from the EPA. **It is Shenandoah's responsibility to be familiar with, and to comply with, all conditions contained in this Permit.**

If you have any questions on this action please contact Mr. Dan Jackson at 1-800-227-8917 Ex.6155. Also direct all correspondence and/or reports to **ATTENTION: Dan Jackon at MAIL CODE 8P-W-GW**. Thank you for your continued cooperation.

Sincerely,

Kerrigan G. Clough
Assistant Regional Administrator
Office of Partnerships and
Regulatory Assistance

Enclosures: Final Permit
Statement of Basis

cc: Mr. D. Floyd Wopsock, Chairman
Uintah & Ouray Business Committee
Ute Indian Tribe

Ms. Elaine Willie, Environmental Coordinator
Ute Indian Tribe

Superintendant
BIA - Uintah & Ouray Agency

Mr. Jerry Kenczka
BLM - Vernal District Office

Mr. Gilbert Hunt
State of Utah Natural Resources
Division of Oil, Gas, and Mining

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING
1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold) — Designation of Agent/Operator

X Operator Name Change — Merger

The operator of the well(s) listed below has changed, effective: **2/1/2003**

FROM: (Old Operator):	**TO:** (New Operator):
N4235-Shenandoah Energy Inc 11002 E 17500 S Vernal, UT 84078-8526	N2460-QEP Uinta Basin Inc 11002 E 17500 S Vernal, UT 84078-8526
Phone: (435) 781-4341	Phone: (435) 781-4341

CA No. **Unit:** **RED WASH UNIT**

WELL(S)

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	Confid
RWU 100-A (43-21A)	21	070S	220E	4304715219	5670	Federal	WI	A	
RWU 102 (41-24A)	24	070S	220E	4304715221	5670	Federal	WI	A	
RWU 12-24A	24	070S	220E	4304733591	5670	Federal	WI	A	
RWU 11-25A	25	070S	220E	4304733574	5670	Federal	WI	A	
RWU 13-25A	25	070S	220E	4304733575	5670	Federal	WI	A	
RWU 14 (14-13B)	13	070S	230E	4304715144	5670	Federal	WI	A	
RWU 156 (23-15B)	15	070S	230E	4304715267	5670	Federal	WI	A	
RED WASH UNIT 261	17	070S	230E	4304732739	5670	Federal	WI	A	
RWU 11-19B	19	070S	230E	4304733552	5670	Federal	WI	A	
RWU 13-19B	19	070S	230E	4304733497	5670	Federal	WI	A	
RWU 11-20B	20	070S	230E	4304733553	5670	Federal	WI	A	
RWU 13-20B	20	070S	230E	4304733498	5670	Federal	WI	A	
RWU 161 (14-20B)	20	070S	230E	4304715271	5670	Federal	WI	I	
RWU 17 (41-20B)	20	070S	230E	4304715146	5670	Federal	WI	A	
RWU 148 (13-22B)	22	070S	230E	4304715261	5670	Federal	WI	A	
RWU 150 (31-22B)	22	070S	230E	4304715263	5670	Federal	WI	I	
RWU 11	27	070S	230E	4304715142	5670	Federal	WI	A	
RWU 16 (43-28B)	28	070S	230E	4304716475	5670	Federal	WI	I	
RWU 11-29B	29	070S	230E	4304733590	5670	Federal	WI	A	
RWU 11-30B	30	070S	230E	4304733785	5670	Federal	WI	A	

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: 6/2/2003
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/2/2003
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 6/19/2003
4. Is the new operator registered in the State of Utah: YES Business Number: 5292864-0151
5. **If NO**, the operator was contacted contacted on:

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

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: 7/21/2003

8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: 7/21/2003

9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

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: 9/10/2003

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 9/16/2003
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 9/16/2003
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: 965-003-032

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: ESB000024

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 799446

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 965-003-033

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:

QUESTAR

:tar Exploration and Production Company
...ependence Plaza
1050 17th Street, Suite 500
Denver, CO 80265
Tel 303 672 6900 • Fax 303 294 9632

Denver Division

May 28, 2003

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

Attention: John Baza/Jim Thompson

Gentlemen:

This will serve as notice that through the internal corporate changes described below, activities formerly conducted in the name of either Shenandoah Operating Company, LLC (SOC) and/or Shenandoah Energy, Inc. (SEI) will hereafter be conducted in the name of QEP Uinta Basin, Inc.: i) the Shenandoah entities were purchased in July, 2001 by Questar Market Resources, Inc., which is a mid-level holding company for the non-utility businesses of Questar Corporation, ii) Shenandoah Operating Company, LLC has now been merged into Shenandoah Energy, Inc. (SEI), iii) Shenandoah Energy, Inc. has now been re-named **QEP Uinta Basin, Inc.** pursuant to a State of Delaware Amended and Restated Certificate of Incorporation, iv) the same employees will continue to be responsible for operations of the former SOC and SEI properties, both in the field and in the office. Accordingly, the change involves only an internal corporate name change and no third party change of operator is involved. Please alter your records to reflect the entity name change. Attached is a spreadsheet listing all wells affected by this change.

Should you have any questions, please call me at 303 - 308-3056.

Yours truly,

Frank Nielsen
Division Landman

Enclosure

RECEIVED
JUN 0 2 2003
DIV. OF OIL, GAS & MINING

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
UT-922

June 9, 2003

QEP Uinta Basin, Inc.
1050 17th Street, Suite 500
Denver, Colorado 80265

Re: Red Wash Unit
Uintah County, Utah

Gentlemen:

On May 30, 2003, we received an indenture dated February 1, 2003, whereby Shenandoah Energy, Inc. changed it name and QEP Uinta Basin, Inc. was designated as Successor Unit Operator for the Red Wash Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective June 9, 2003. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under Red Wash Unit Agreement.

Your nationwide (Eastern States) oil and gas bond No. B000024 will be used to cover all operations within the Red Wash Unit.

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

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure
bcc: Field Manager - Vernal (w/enclosure)
SITLA
Division of Oil, Gas & Mining
Minerals Adjudication Group
File – Red Wash Unit (w/enclosure)
Agr. Sec. Chron
Fluid Chron
UT922:TAThompson:tt:6/9/03

JUL 0 7 2003

3104 (932.34)WF
Nationwide Bond ESB000024

NOTICE

QEP Uinta Basin, Inc. 1050 17th Street Suite 500 Denver, Colorado 80265	: : : :	Oil and Gas lease

Name Change Recognized

Acceptable evidence has been filed in this office concerning the name change of Shenandoah Energy Incorporated into QEP Uinta Basin, Incorporated. QEP Uinta Basin, Incorporated is the surviving entity. This name change is recognized effective April 17, 2003.

Eastern States will notify the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice.

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.

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,MMS, ES RF, 930 RF, 932.34 RF, E-932: wbf:07 /07/03:440-1536/ QEP Unita Basin
MFO

UIC FORM 5

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

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number: See Attached List	API Number:
Location of Well Footage : QQ, Section, Township, Range: County : Uintah State : UTAH	Field or Unit Name: Red Wash Lease Designation and Number:

EFFECTIVE DATE OF TRANSFER: _____

CURRENT OPERATOR

Company: Shenandoah Energy Inc.
Address: 11002 East 17500 South
city Vernal state UT zip 84078
Phone: (435) 781-4300
Comments:

Name: John Busch
Signature: John Busch
Title: District Foreman
Date: 9-02-03

NEW OPERATOR

Company: QEP Uinta Basin, Inc.
Address: 11002 East 17500 South
city Vernal state UT zip 84078
Phone:
Comments:

Name: John Busch
Signature: John Busch
Title: District Foreman
Date: 9-02-03

(This space for State use only)

Transfer approved by: [signature]
Title: Tech. Services Manager

Approval Date: 9-10-03

Comments: Cause #105-01
Located in Indian Country, EPA is primary use Agency.

RECEIVED
SEP 04 2003
DIV. OF OIL, GAS & MINING

(5/2000)

well_name	Sec	T	R	api	Entity	Lease Type	type	stat	Field	Footages
RED WASH UNIT 261	17	070S	230E	4304732739	5670	Federal	WI	A	Red Wash	1785 FSL, 1843 FWL
RWU 100-A (43-21A)	21	070S	220E	4304715219	5670	Federal	WI	A	Red Wash	1787 FSL, 534 FEL
RWU 102 (41-24A)	24	070S	220E	4304715221	5670	Federal	WI	A	Red Wash	1360 FNL, 660 FEL
RWU 11	27	070S	230E	4304715142	5670	Federal	WI	A	Red Wash	660 FSL, 2030 FEL
RWU 11-19B	19	070S	230E	4304733552	5670	Federal	WI	A	Red Wash	618 FNL, 477 FWL
RWU 11-20B	20	070S	230E	4304733553	5670	Federal	WI	A	Red Wash	761 FNL, 677 FWL
RWU 11-25A	25	070S	220E	4304733574	5670	Federal	WI	A	Red Wash	1206 FNL, 491 FWL
RWU 11-29B	29	070S	230E	4304733590	5670	Federal	WI	A	Red Wash	786 FNL, 819 FWL
RWU 11-30B	30	070S	230E	4304733785	5670	Federal	WI	A	Red Wash	590 FNL, 787 FWL
RWU 12-24A	24	070S	220E	4304733591	5670	Federal	WI	A	Red Wash	1528 FNL, 930 FWL
RWU 13-19B	19	070S	230E	4304733497	5670	Federal	WI	A	Red Wash	1802 FSL, 374 FWL
RWU 13-20B	20	070S	230E	4304733498	5670	Federal	WI	A	Red Wash	2143' FSL, 704' FWL
RWU 13-25A	25	070S	220E	4304733575	5670	Federal	WI	A	Red Wash	1446 FSL, 664 FWL
RWU 14 (14-13B)	13	070S	230E	4304715144	5670	Federal	WI	A	Red Wash	660 FSL, 660 FWL
RWU 148 (13-22B)	22	070S	230E	4304715261	5670	Federal	WI	A	Red Wash	2073 FSL, 660 FWL
RWU 150 (31-22B)	22	070S	230E	4304715263	5670	Federal	WI	I	Red Wash	595 FNL, 1935 FEL
RWU 156 (23-15B)	15	070S	230E	4304715267	5670	Federal	WI	A	Red Wash	2115 FSL, 1982 FWL
RWU 16 (43-28B)	28	070S	230E	4304716475	5670	Federal	WI	I	Red Wash	1980 FSL, 660 FEL
RWU 161 (14-20B)	20	070S	230E	4304715271	5670	Federal	WI	I	Red Wash	660 FSL, 678 FWL
RWU 17 (41-20B)	20	070S	230E	4304715146	5670	Federal	WI	A	Red Wash	660 FNL, 660 FEL
RWU 170 (41-15B)	15	070S	230E	4304716495	5670	Federal	WI	I	Red Wash	660 FNL, 660 FEL
RWU 173 (21-21B)	21	070S	230E	4304716496	5670	Federal	WI	A	Red Wash	660 FNL, 1980 FWL
RWU 174 (21-20B)	20	070S	230E	4304715281	5670	Federal	WI	A	Red Wash	660 FNL, 1980 FWL
RWU 182 (14-21B)	21	070S	230E	4304716497	5670	Federal	WI	A	Red Wash	629 FSL, 652 FWL
RWU 183 (33-13B)	13	070S	230E	4304715289	5670	Federal	WI	A	Red Wash	1833 FSL, 2027 FEL
RWU 185 (41-1B)	14	070S	230E	4304716498	5670	Federal	WI	A	Red Wash	747 FNL, 660 FEL
RWU 199 (43-22A)	22	070S	220E	4304715301	5670	Federal	WI	A	Red Wash	1980 FSL, 658 FEL
RWU 2 (14-24B)	24	070S	230E	4304716472	5670	Federal	WI	A	Red Wash	735 FSL, 790 FWL
RWU 202 (21-34A)	34	070S	220E	4304715303	5670	Federal	WI	I	Red Wash	660 FNL, 1980 FWL
RWU 213 (41-33B)	33	070S	230E	4304720060	5670	Federal	WD	A	Red Wash	660 FNL, 580 FEL
RWU 215 (43-28A)	28	070S	220E	4304730058	5670	Federal	WI	A	Red Wash	1980' FSL, 661 FEL
RWU 216 (21-27A)	27	070S	220E	4304730103	5670	Federal	WI	A	Red Wash	660 FNL, 1976 FWL
RWU 23 (21-23B)	23	070S	230E	4304715151	5670	Federal	WI	A	Red Wash	695 FNL, 2015 FWL
RWU 23-18C (97)	18	070S	240E	4304715216	5670	Federal	WI	I	Red Wash	1956 FSL, 1699 FWL
RWU 25 (23-23B)	23	070S	230E	4304716476	5670	Federal	WI	A	Red Wash	1980 FSL, 1980 FWL
RWU 258 (34-22A)	22	070S	220E	4304730458	5670	Federal	WI	A	Red Wash	885 FSL, 2025 FEL

RWU 263 (24-26B)	26	070S	230E	4304730518	5670	Federal	WI	I	Red Wash	591 FSL, 2007 FWL
RWU 264 (31-35B)	35	070S	230E	4304730519	5670	Federal	WI	A	Red Wash	687 FNL, 2025 FEL
RWU 266 (33-26B)	26	070S	230E	4304730521	5670	Federal	WI	I	Red Wash	1980 FSL, 1980 FEL
RWU 268 (43-17B)	17	070S	230E	4304732980	5670	Federal	WI	A	Red Wash	1924 FSL, 981 FEL
RWU 269 (13-26B)	26	070S	230E	4304730522	5670	Federal	WI	I	Red Wash	2170' FSL, 670' FWL
RWU 271 (42-35B)	35	070S	230E	4304731081	5670	Federal	WI	I	Red Wash	1979 FNL, 660 FEL
RWU 274 (13-25B)	25	070S	230E	4304731083	5670	Federal	WI		Red Wash	2129 FSL, 659 FWL
RWU 275 (31-26B)	26	070S	230E	4304731077	5670	Federal	WI	A	Red Wash	675 FNL, 1869 FEL
RWU 279 (11-36B)	36	070S	230E	4304731052	5670	Federal	WI	A	Red Wash	659 FNL, 660 FWL
RWU 283 (43-18B)	18	070S	230E	4304732982	5670	Federal	WI	A	Red Wash	1899 FSL, 708 FEL
RWU 31-19B	19	070S	230E	4304733555	5670	Federal	WI	A	Red Wash	601 FNL, 1770 FEL
RWU 31-25A	25	070S	220E	4304733577	5670	Federal	WI	A	Red Wash	1248 FNL, 2159 FEL
RWU 31-30B	30	070S	230E	4304733788	5670	Federal	WI	A	Red Wash	950 FNL, 1943 FEL
RWU 33-19B	19	070S	230E	4304733499	5670	Federal	WI	A	Red Wash	2606 FSL, 1851 FEL
RWU 33-20B	20	070S	230E	4304733500	5670	Federal	WI	A	Red Wash	2210 FSL, 2295 FEL
RWU 33-25A	25	070S	220E	4304733578	5670	Federal	WI	A	Red Wash	1413 FSL, 1809 FEL
RWU 33-30B	30	070S	230E	4304733790	5670	Federal	WI	A	Red Wash	1775 FSL, 1937 FEL
RWU 34 (23-14B)	14	070S	230E	4304715161	5670	Federal	WI	A	Red Wash	1980 FSL, 1980 FWL
RWU 34-13A	13	070S	220E	4304733593	5670	Federal	WI	A	Red Wash	1302 FSL, 1725 FEL
RWU 34-24A	24	070S	220E	4304733568	5670	Federal	WI	A	Red Wash	1295 FSL, 2125 FEL
RWU 48 (32-19B)	19	070S	230E	4304715174	5670	Federal	WI	I	Red Wash	1830 FNL, 1980 FEL
RWU 56 (41-28B)	28	070S	230E	4304715182	5670	Federal	WI	A	Red Wash	660 FNL, 660 FEL
RWU 59 (12-24B)	24	070S	230E	4304716477	5670	Federal	WI	A	Red Wash	1980 FNL, 660 FWL
RWU 6 (41-21B)	21	070S	230E	4304716482	5670	Federal	WI	A	Red Wash	660' FNL, 660 FEL
RWU 61 (12-27A)	27	070S	220E	4304716478	5670	Federal	WI	I	Red Wash	2034 FNL, 689 FWL
RWU 68 (41-13B)	13	070S	230E	4304716485	5670	Federal	WI	I	Red Wash	660 FNL, 660 FEL
RWU 7 (41-27B)	27	070S	230E	4304716473	5670	Federal	WI	I	Red Wash	567 FNL, 621 FEL
RWU 88 (23-18B)	18	070S	230E	4304715210	5670	Federal	WI	A	Red Wash	1980 FSL, 1980 FWL
RWU 91 (33-22B)	22	070S	230E	4304716479	5670	Federal	WI	A	Red Wash	1980 FSL, 3300 FWL
RWU 93 (43-27B)	27	070S	230E	4304716480	5670	Federal	WI	I	Red Wash	660 FSL, 660 FEL
RWU 324 (23-16B)	16	070S	230E	4304733084	5670	State	WI	I	Red Wash	1274 FSL, 1838 FWL

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING
1. DJJ
2. CDW

Change of Operator (Well Sold) **X - Operator Name Change/Merger**

The operator of the well(s) listed below has changed, effective: **1/1/2007**

FROM: (Old Operator):	**TO:** (New Operator):
N2460-QEP Uinta Basin, Inc.	N5085-Questar E&P Company
1050 17th St, Suite 500	1050 17th St, Suite 500
Denver, CO 80265	Denver, CO 80265
Phone: 1 (303) 672-6900	Phone: 1 (303) 672-6900

CA No. **Unit:** **RED WASH UNIT**

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED LISTS				*				

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: 4/19/2007
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/16/2007
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 1/31/2005

4a. Is the new operator registered in the State of Utah: Business Number: 764611-0143

5a. (R649-9-2)Waste Management Plan has been received on: IN PLACE

5b. Inspections of LA PA state/fee well sites complete on: n/a

5c. Reports current for Production/Disposition & Sundries on: n/a

6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 4/23/2007 BIA
7. **Federal and Indian Units:**
   The BLM or BIA has approved the successor of unit operator for wells listed on: 4/23/2007
8. **Federal and Indian Communization Agreements ("CA"):**
   The BLM or BIA has approved the operator for all wells listed within a CA on:
9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on:

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 4/30/2007 and 5/15/2007
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 4/30/2007 and 5/15/2007
3. Bond information entered in RBDMS on: 4/30/2007 and 5/15/2007
4. Fee/State wells attached to bond in RBDMS on: 4/30/2007 and 5/15/2007
5. Injection Projects to new operator in RBDMS on: 4/30/2007 and 5/15/2007
6. Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: ESB000024
2. Indian well(s) covered by Bond Number: 799446

3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 965003033

3b. The **FORMER** operator has requested a release of liability from their bond on: n/a

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS: THIS IS A COMPANY NAME CHANGE.
SOME WELL NAMES HAVE BEEN CHANGED AS REQUESTED

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)
RED WASH UNIT

4/30/2007 and 5/15/2007

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RWU 1 (41-26B)	RW 41-26B	NENE	26	070S	230E	4304715135	5670	Federal	OW	TA
RWU 3 (34-23B)	RW 34-23B	SWSE	23	070S	230E	4304715136	5670	Federal	OW	P
RWU 4 (41-22B)	RW 41-22B	NENE	22	070S	230E	4304715137	5670	Federal	OW	TA
RWU 5 (41-23B)	RW 41-23B	NENE	23	070S	230E	4304715138	5670	Federal	OW	P
RWU 8 (32-22B)	RW 32-22B	SWNE	22	070S	230E	4304715139	5670	Federal	OW	P
RWU 9 (43-23B)	RW 43-23B	NESE	23	070S	230E	4304715140	5670	Federal	OW	P
RWU 10 (12-23B)	RW 12-23B	SWNW	23	070S	230E	4304715141	5670	Federal	OW	TA
RWU 11	RW 34-27B	SWSE	27	070S	230E	4304715142	99996	Federal	WI	A
RWU 13 (14-22B)	RW 14-22B	SWSW	22	070S	230E	4304715143	5670	Federal	OW	TA
RW 14-13B	RW 14-13B	SWSW	13	070S	230E	4304715144	99996	Federal	WI	A
RWU 15 (32-17C)	RW 32-17C	SWNE	17	070S	240E	4304715145	5670	Federal	OW	P
RWU 17 (41-20B)	RW 41-20B	NENE	20	070S	230E	4304715146	5670	Federal	WI	A
RWU 19 (34-26B)	RW 34-26B	SWSE	26	070S	230E	4304715148	5670	Federal	GW	S
RWU 21 (32-14B)	RW 32-14B	SWNE	14	070S	230E	4304715150	5670	Federal	OW	P
RWU 23 (21-23B)	RW 21-23B	SENW	23	070S	230E	4304715151	99996	Federal	WI	A
RWU 24 (34-14B)	RW 34-14B	SWSE	14	070S	230E	4304715152	5670	Federal	OW	S
RWU 26 (23-22B)	RW 23-22B	NESW	22	070S	230E	4304715153	5670	Federal	OW	TA
RWU 27 (43-14B)	RW 43-14B	NESE	14	070S	230E	4304715154	5670	Federal	OW	TA
RWU 28 (43-22B)	RW 43-22B	NESE	22	070S	230E	4304715155	5670	Federal	OW	P
RWU 29 (32-23B)	RW 32-23B	SWNE	23	070S	230E	4304715156	5670	Federal	OW	P
RW 23-13B	RW 23-13B	NESW	13	070S	230E	4304715157	5670	Federal	GW	TA
RWU 31 (34-22B)	RW 34-22B	SWSE	22	070S	230E	4304715158	5670	Federal	OW	P
RWU 33 (14-14B)	RW 14-14B	SWSW	14	070S	230E	4304715160	5670	Federal	GW	TA
RWU 34 (23-14B)	RW 23-14B	NESW	14	070S	230E	4304715161	99996	Federal	WI	A
RW 43-13B	RW 43-13B	NESE	13	070S	230E	4304715162	5670	Federal	OW	TA
RWU 36 (32-13B)	RW 32-13B	SWNE	13	070S	230E	4304715163	5670	Federal	GW	P
RWU 38 (14-23B)	RW 14-23B	SWSW	23	070S	230E	4304715165	5670	Federal	OW	P
RWU 39 (14-24A)	RW 14-24A	SWSW	24	070S	220E	4304715166	5670	Federal	OW	TA
RWU 40 (21-24B)	RW 21-24B	NENW	24	070S	230E	4304715167	5670	Federal	OW	TA
RWU 41 (34-13B)	RW 34-13B	SWSE	13	070S	230E	4304715168	5670	Federal	OW	P
RWU 42 (21-29C)	RW 21-29C	NENW	29	070S	240E	4304715169	5670	Federal	GW	P
RWU 43 (12-17B)	RW 12-17B	SWNW	17	070S	230E	4304715170	5670	Federal	OW	P
RWU 44 (32-33C)	RW 32-33C	SWNE	33	070S	240E	4304715171	5670	Federal	GW	P
RWU 45 (23-30B)	RW 23-30B	NESW	30	070S	230E	4304715172	5670	Federal	OW	TA
RWU 46 (41-21C)	RW 41-21C	NENE	21	070S	240E	4304715173	5670	Federal	GW	TA
RWU 48 (32-19B)	RW 32-19B	SWNE	19	070S	230E	4304715174	99996	Federal	WI	I
RWU 49 (12-29B)	RW 12-29B	SWNW	29	070S	230E	4304715175	5670	Federal	OW	TA
RWU 50 (14-23A)	RW 14-23A	SWSW	23	070S	220E	4304715176	5670	Federal	OW	P
RWU 52 (14-18B)	RW 14-18B	SWSW	18	070S	230E	4304715178	5670	Federal	OW	TA
RWU 53 (41-25A)	RW 41-25A	NENE	25	070S	220E	4304715179	5670	Federal	OW	TA
RWU 56 (41-28B)	RW 41-28B	NENE	28	070S	230E	4304715182	99996	Federal	WI	A

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)
RED WASH UNIT

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RWU 57 (12-18C)	RW 12-18C	SWNW	18	070S	240E	4304715183	5670	Federal	OW	P
RWU 63 (21-22B)	RW 21-22B	NENW	22	070S	230E	4304715186	5670	Federal	GW	TA
RWU 64 (32-27B)	RW 32-27B	SWNE	27	070S	230E	4304715187	5670	Federal	OW	TA
RWU 66 (34-18B)	RW 34-18B	SWSE	18	070S	230E	4304715189	5670	Federal	OW	P
RWU 67 (42-22B)	RW 42-22B	SENE	22	070S	230E	4304715190	5670	Federal	OW	TA
RWU 69 (21-27B)	RW 21-27B	NENW	27	070S	230E	4304715191	5670	Federal	OW	TA
RWU 70 (23-22A)	RW 23-22A	NESW	22	070S	220E	4304715192	5670	Federal	OW	P
RWU 71 (21-18C)	RW 21-18C	NENW	18	070S	240E	4304715193	5670	Federal	OW	P
RWU 72 (23-27B)	RW 23-27B	NESW	27	070S	230E	4304715194	5670	Federal	OW	TA
RWU 74 (12-13B)	RW 12-13B	SWNW	13	070S	230E	4304715196	5670	Federal	GW	S
RWU 75 (21-26B)	RW 21-26B	NENW	26	070S	230E	4304715197	5670	Federal	OW	TA
RWU 76 (32-18C)	RW 32-18C	SWNE	18	070S	240E	4304715198	5670	Federal	GW	P
RWU 77 (21-13B)	RWU 77 (21-13B)	NENW	13	070S	230E	4304715199	5670	Federal	OW	P
RWU 78 (32-28B)	RW 32-28B	SWNE	28	070S	230E	4304715200	5670	Federal	OW	P
RWU 79 (12-27B)	RW 12-27B	SWNW	27	070S	230E	4304715201	5670	Federal	OW	TA
RWU 80 (14-27B)	RW 14-27B	SWSW	27	070S	230E	4304715202	5670	Federal	OW	S
RWU 81 (41-31B)	RW 41-31B	NENE	31	070S	230E	4304715203	5670	Federal	OW	P
RWU 83 (41-27A)	RW 41-27A	NENE	27	070S	220E	4304715205	5670	Federal	OW	P
RWU 84 (44-14B)	RW 44-14B	SESE	14	070S	230E	4304715206	5670	Federal	GW	P
RWU 88 (23-18B)	RW 23-18B	NESW	18	070S	230E	4304715210	5670	Federal	WI	A
RWU 90 (43-21B)	RW 43-21B	NESE	21	070S	230E	4304715211	5670	Federal	OW	P
RWU 92 (11-23B)	RW 11-23B	NWNW	23	070S	230E	4304715212	5670	Federal	OW	TA
RWU 94 (12-22A)	RW 12-22A	SWNW	22	070S	220E	4304715213	5670	Federal	OW	P
RWU 23-18C (97)	RW 23-18C	NESW	18	070S	240E	4304715216	99996	Federal	WI	I
RWU 99 (12-22B)	RW 12-22B	SWNW	22	070S	230E	4304715218	5670	Federal	OW	P
RWU 100-A (43-21A)	RW 43-21A	NESE	21	070S	220E	4304715219	5670	Federal	WI	A
RWU 101 (34-21B)	RW 34-21B	SWSE	21	070S	230E	4304715220	5670	Federal	OW	P
RWU 102 (41-24A)	RW 41-24A	SENE	24	070S	220E	4304715221	5670	Federal	WI	A
RWU 103 (34-15B)	RW 34-15B	SWSE	15	070S	230E	4304715222	5670	Federal	OW	P
RWU 108 (32-21B)	RW 32-21B	SWNE	21	070S	230E	4304715226	5670	Federal	OW	P
RWU 109 (21-28B)	RW 21-28B	NENW	28	070S	230E	4304715227	5670	Federal	OW	P
RWU 110 (23-23A)	RW 23-23A	NESW	23	070S	220E	4304715228	5670	Federal	OW	P
RWU 111 (32-24A)	RW 32-24A	SWNE	24	070S	220E	4304715229	5670	Federal	OW	S
RWU 112 (32-28A)	RW 32-28A	SWNE	28	070S	220E	4304715230	5670	Federal	OW	S
RWU 115 (21-19B)	RW 21-19B	NENW	19	070S	230E	4304715233	5670	Federal	OW	P
RWU 119 (43-29A)	RW 43-29A	NESE	29	070S	220E	4304715236	5670	Federal	OW	P
RWU 120 (23-28B)	RW 23-28B	NESW	28	070S	230E	4304715237	5670	Federal	OW	TA
RW 13-13B	RW 13-13B	NWSW	13	070S	230E	4304715238	5670	Federal	GW	P
RWU 122 (24-14B)	RW 24-14B	SESW	14	070S	230E	4304715239	5670	Federal	OW	P
RWU 125 (34-19B)	RW 34-19B	SWSE	19	070S	230E	4304715242	5670	Federal	OW	TA
RWU 126 (41-29A)	RW 41-29A	NENE	29	070S	220E	4304715243	5670	Federal	OW	P

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)
RED WASH UNIT

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RWU 127 (12-19B)	RW 12-19B	SWNW	19	070S	230E	4304715244	5670	Federal	OW	S
RWU 129 (14-15B)	RW 14-15B	SWSW	15	070S	230E	4304715246	5670	Federal	OW	P
RWU 133 (41-34B)	RW 41-34B	NENE	34	070S	230E	4304715250	5670	Federal	OW	P
RWU 136 (43-19B)	RW 43-19B	NESE	19	070S	230E	4304715252	5670	Federal	OW	TA
RWU 137 (34-28B)	RW 34-28B	SWSE	28	070S	230E	4304715253	5670	Federal	GW	TA
RWU 138 (41-30B)	RW 41-30B	NENE	30	070S	230E	4304715254	5670	Federal	OW	P
RWU 140 (24-22B)	RW 24-22B	SESW	22	070S	230E	4304715255	5670	Federal	OW	P
RWU 141 (11-27B)	RW 11-27B	NWNW	27	070S	230E	4304715256	5670	Federal	OW	TA
RWU 143 (33-14B)	RW 33-14B	NWSE	14	070S	230E	4304715257	5670	Federal	OW	P
RWU 144 (21-18B)	RW 21-18B	NENW	18	070S	230E	4304715258	5670	Federal	OW	TA
RW 24-13B	RW 24-13B	SESW	13	070S	230E	4304715259	5670	Federal	OW	TA
RWU 147 (22-22B)	RW 22-22B	SENW	22	070S	230E	4304715260	5670	Federal	OW	TA
RWU 148 (13-22B)	RW 13-22B	NWSW	22	070S	230E	4304715261	99996	Federal	WI	A
RWU 150 (31-22B)	RW 31-22B	NWNE	22	070S	230E	4304715263	99996	Federal	WI	I
RWU 151 (42-14B)	RW 42-14B	SENE	14	070S	230E	4304715264	5670	Federal	OW	P
RWU 153 (14-29B)	RW 14-29B	SWSW	29	070S	230E	4304715265	5670	Federal	OW	P
RWU 156 (23-15B)	RW 23-15B	NESW	15	070S	230E	4304715267	99990	Federal	WI	A
RWU 158 (32-30B)	RW 32-30B	SWNE	30	070S	230E	4304715268	5670	Federal	OW	P
RWU 160 (32-15B)	RW 32-15B	SWNE	15	070S	230E	4304715270	5670	Federal	OW	P
RWU 161 (14-20B)	RW 14-20B	SWSW	20	070S	230E	4304715271	99996	Federal	WI	I
RWU 162 (12-20B)	RW 12-20B	SWNW	20	070S	230E	4304715272	5670	Federal	OW	P
RWU 164 (12-28B)	RW 12-28B	SWNW	28	070S	230E	4304715274	5670	Federal	OW	P
RWU 165 (32-26B)	RW 32-26B	SWNE	26	070S	230E	4304715275	5670	Federal	GW	TA
RWU 167 (23-21B)	RW 23-21B	NESW	21	070S	230E	4304715277	5670	Federal	OW	S
RWU 168 (23-24B)	RW 23-24B	NESW	24	070S	230E	4304715278	5670	Federal	OW	TA
RWU 172 (21-30B)	RW 21-30B	NENW	30	070S	230E	4304715280	5670	Federal	OW	TA
RWU 174 (21-20B)	RW 21-20B	NENW	20	070S	230E	4304715281	5670	Federal	WI	A
RWU 176 (31-28B)	RW 31-28B	NWNE	28	070S	230E	4304715283	5670	Federal	OW	TA
RWU 177 (42-28B)	RW 42-28B	SENE	28	070S	230E	4304715284	5670	Federal	OW	TA
RW 22-13B	RW 22-13B	SENW	13	070S	230E	4304715285	5670	Federal	OW	TA
RWU 180 (31-23B)	RW 31-23B	NWNE	23	070S	230E	4304715287	5670	Federal	OW	TA
RWU 181 (34-30B)	RW 34-30B	SWSE	30	070S	230E	4304715288	5670	Federal	OW	P
RW 33-13B	RW 33-13B	NWSE	13	070S	230E	4304715289	5670	Federal	WI	A
RWU 184 (23-26B)	RW 23-26B	NESW	26	070S	230E	4304715290	5670	Federal	GW	S
RWU 188 (23-20B)	RW 23-20B	NESW	20	070S	230E	4304715291	5670	Federal	OW	TA
RWU 192 (41-33A)	RW 41-33A	NENE	33	070S	220E	4304715294	5670	Federal	OW	P
RWU 193 (43-24B)	RW 43-24B	NESE	24	070S	230E	4304715295	5670	Federal	GW	TA
RWU 194 (12-14B)	RW 12-14B	SWNW	14	070S	230E	4304715296	5670	Federal	OW	S
RWU 196 (23-17C)	RW 23-17C	NESW	17	070S	240E	4304715298	5670	Federal	GW	TA
RWU 199 (43-22A)	RW 43-22A	NESE	22	070S	220E	4304715301	99996	Federal	WI	A
RWU 201 (32-28C)	RW 32-28C	SWNE	28	070S	240E	4304715302	5670	Federal	GW	P

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)
RED WASH UNIT

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RWU 202 (21-34A)	RW 21-34A	NENW	34	070S	220E	4304715303	99996	Federal	WI	I
RWU 204 (23-25A)	RW 23-25A	NESW	25	070S	220E	4304715305	5670	Federal	OW	P
RWU 205 (23-21C)	RW 23-21C	NESW	21	070S	240E	4304715306	5670	Federal	GW	TA
RWU 2 (14-24B)	RW 14-24B	SWSW	24	070S	230E	4304716472	99996	Federal	WI	A
RWU 7 (41-27B)	RW 41-27B	NENE	27	070S	230E	4304716473	99996	Federal	WI	I
RWU 16 (43-28B)	RW 43-28B	NESE	28	070S	230E	4304716475	99996	Federal	WI	I
RWU 25 (23-23B)	RW 23-23B	NESW	23	070S	230E	4304716476	99996	Federal	WI	A
RWU 59 (12-24B)	RW 12-24B	SWNW	24	070S	230E	4304716477	99996	Federal	WI	A
RWU 61 (12-27A)	RW 12-27A	SWNW	27	070S	220E	4304716478	99996	Federal	WI	I
RWU 91 (33-22B)	RW 33-22B	NWSE	22	070S	230E	4304716479	99996	Federal	WI	A
RWU 93 (43-27B)	RW 43-27B	NESE	27	070S	230E	4304716480	99996	Federal	WI	I
RWU 6 (41-21B)	RW 41-21B	NENE	21	070S	230E	4304716482	99996	Federal	WI	A
RWU 68 (41-13B)	RW 41-13B	NENE	13	070S	230E	4304716485	99996	Federal	WI	I
RWU 170 (41-15B)	RW 41-15B	NENE	15	070S	230E	4304716495	99996	Federal	WI	I
RWU 173 (21-21B)	RW 21-21B	NENW	21	070S	230E	4304716496	99996	Federal	WI	A
RWU 182 (14-21B)	RW 14-21B	SWSW	21	070S	230E	4304716497	99996	Federal	WI	A
RWU 185 (41-1B)	RW 41-14B	NENE	14	070S	230E	4304716498	99996	Federal	WI	A
RWU 212 (41-8F)	RW 41-8F	NENE	08	080S	240E	4304720014	5670	Federal	GW	P
RWU 213 (41-33B)	RW 41-33B	NENE	33	070S	230E	4304720060	99996	Federal	WD	A
RWU 215 (43-28A)	RW 43-28A	NESE	28	070S	220E	4304730058	99996	Federal	WD	A
RWU 216 (21-27A)	RW 21-27A	NENW	27	070S	220E	4304730103	99996	Federal	WI	A
RWU 219 (44-21C)	RW 44-21C	SESE	21	070S	240E	4304730149	5670	Federal	GW	S
RWU 220 (22-23B)	RW 22-23B	SENW	23	070S	230E	4304730192	5670	Federal	OW	TA
RWU 221 (13-27B)	RW 13-27B	NWSW	27	070S	230E	4304730199	5670	Federal	OW	TA
RWU 222 (31-27B)	RW 31-27B	NWNE	27	070S	230E	4304730200	5670	Federal	GW	TA
RWU 224 (44-22B)	RW 44-22B	SESE	22	070S	230E	4304730202	5670	Federal	GW	TA
RWU 225 (13-23B)	RW 13-23B	NWSW	23	070S	230E	4304730212	5670	Federal	GW	TA
RWU 226 (24-23B)	RW 24-23B	SESW	23	070S	230E	4304730249	5670	Federal	GW	S
RWU 227 (14-26B)	RW 14-26B	SWSW	26	070S	230E	4304730257	5670	Federal	OW	TA
RWU 228 (21-34B)	RW 21-34B	NENW	34	070S	230E	4304730258	5670	Federal	OW	P
RWU 229 (43-26B)	RW 43-26B	NESE	26	070S	230E	4304730259	5670	Federal	OW	TA
RWU 230 (14-18C)	RW 14-18C	SWSW	18	070S	240E	4304730309	5670	Federal	OW	P
RWU 231 (21-35B)	RW 21-35B	NENW	35	070S	230E	4304730310	5670	Federal	OW	TA
RWU 232 (12-26B)	RW 12-26B	SWNW	26	070S	230E	4304730311	5670	Federal	OW	TA
RWU 233 (12-25B)	RW 12-25B	SWNW	25	070S	230E	4304730312	5670	Federal	OW	TA
RWU 234 (32-24B)	RW 32-24B	SWNE	24	070S	230E	4304730313	5670	Federal	OW	P
RWU 235 (34-18C)	RW 34-18C	SWSE	18	070S	240E	4304730314	5670	Federal	OW	S
RWU 236 (21-19C)	RW 21-19C	NENW	19	070S	240E	4304730340	5670	Federal	GW	P
RWU 237 (14-25B)	RW 14-25B	SWSW	25	070S	230E	4304730341	5670	Federal	OW	P
RWU 238 (32-35B)	RW 32-35B	SWNE	35	070S	230E	4304730342	5670	Federal	OW	TA
RWU 239 (41-35B)	RW 41-35B	NENE	35	070S	230E	4304730343	5670	Federal	OW	TA

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)
RED WASH UNIT

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RWU 240 (12-36B)	RW 12-36B	SWNW	36	070S	230E	4304730344	5670	Federal	OW	S
RWU 241 (22-14B)	RW 22-14B	SENW	14	070S	230E	4304730345	5670	Federal	OW	P
RW 42-13B	RW 42-13B	SENE	13	070S	230E	4304730346	5670	Federal	OW	P
RWU 243 (42-18C)	RW 42-18C	SENE	18	070S	240E	4304730347	5670	Federal	OW	TA
RWU 244 (23-19C)	RW 23-19C	NESW	19	070S	240E	4304730348	5670	Federal	GW	P
RWU 246 (22-18C)	RW 22-18C	SENW	18	070S	240E	4304730387	5670	Federal	OW	P
RWU 247 (22-17C)	RW 22-17C	SENW	17	070S	240E	4304730388	5670	Federal	GW	P
RWU 258 (34-22A)	RW 34-22A	SWSE	22	070S	220E	4304730458	5670	Federal	WI	A
RWU 262 (22-26B)	RW 22-26B	SENW	26	070S	230E	4304730517	5670	Federal	GW	TA
RWU 263 (24-26B)	RW 24-26B	SESW	26	070S	230E	4304730518	99996	Federal	WI	I
RWU 264 (31-35B)	RW 31-35B	NWNE	35	070S	230E	4304730519	99996	Federal	WI	A
RWU 265 (44-26B)	RW 44-26B	SESE	26	070S	230E	4304730520	5670	Federal	GW	P
RWU 266 (33-26B)	RW 33-26B	NWSE	26	070S	230E	4304730521	99996	Federal	WI	I
RWU 269 (13-26B)	RW 13-26B	NWSW	26	070S	230E	4304730522	99996	Federal	WI	A
RWU 273 (42-27B)	RW 42-27B	SENE	27	070S	230E	4304731051	5670	Federal	OW	TA
RWU 279 (11-36B)	RW 11-36B	NWNW	36	070S	230E	4304731052	99996	Federal	WI	A
RWU 276 (44-27B)	RW 44-27B	SESE	27	070S	230E	4304731053	5670	Federal	OW	TA
RWU 272 (44-23B)	RW 44-23B	SESE	23	070S	230E	4304731054	5670	Federal	GW	P
RWU 278 (11-26)	RW 11-26	NWNW	26	070S	230E	4304731076	5670	Federal	GW	TA
RWU 275 (31-26B)	RW 31-26B	NWNE	26	070S	230E	4304731077	99996	Federal	WI	A
RWU 280 (11-35B)	RW 11-35B	NWNW	35	070S	230E	4304731079	5670	Federal	OW	P
RWU 282 (42-26B)	RW 42-26B	SENE	26	070S	230E	4304731080	5670	Federal	GW	TA
RWU 271 (42-35B)	RW 42-35B	SENE	35	070S	230E	4304731081	5670	Federal	WI	I
RWU 270 (22-35B)	RW 22-35B	SENW	35	070S	230E	4304731082	5670	Federal	OW	P
RWU 284 (33-23B)	RW 33-23B	NWSE	23	070S	230E	4304731476	5670	Federal	GW	TA
RWU 285 (11-24B)	RW 11-24B	NWNW	24	070S	230E	4304731477	5670	Federal	OW	P
RWU 286 (42-21B)	RW 42-21B	SENE	21	070S	230E	4304731478	5670	Federal	OW	P
RW 44-13B	RW 44-13B	SESE	13	070S	230E	4304731512	5670	Federal	OW	TA
RWU 288 (24-27)	RW 24-27	SESW	27	070S	230E	4304731513	5670	Federal	OW	TA
RWU 289 (13-24B)	RW 13-24B	NWSW	24	070S	230E	4304731517	5670	Federal	OW	P
RWU 292 (42-23B)	RW 42-23B	SENE	23	070S	230E	4304731576	5670	Federal	GW	TA
RWU 295 (11-22B)	RW 11-22B	NWNW	22	070S	230E	4304731577	5670	Federal	GW	TA
RWU 296 (12-35B)	RW 12-35B	SWNW	35	070S	230E	4304731578	5670	Federal	OW	S
RWU 297 (24-15B)	RW 24-15B	SESW	15	070S	230E	4304731579	5670	Federal	OW	P
RWU 293 (22-22A)	RW 22-22A	SENW	22	070S	220E	4304731581	5670	Federal	OW	TA
RWU 294 (24-18C)	RW 24-18C	SESW	18	070S	240E	4304731582	5670	Federal	GW	P
RWU 298 (22-27B)	RW 22-27B	SENW	27	070S	230E	4304731679	5670	Federal	OW	TA
RWU 301 (43-15B)	RW 43-15B	NESE	15	070S	230E	4304731682	5670	Federal	GW	TA
RWU 302 (22-24B)	RW 22-24B	SENW	24	070S	230E	4304731683	5670	Federal	GW	TA
RWU 303 (34-17B)	RW 34-17B	SWSE	17	070S	230E	4304731819	5670	Federal	OW	P
RED WASH 305 (41-4F)	RW 41-4F	C-NE	04	080S	240E	4304732538	5670	Federal	GW	TA

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)
RED WASH UNIT

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RED WASH 306	RW 23-23C	NESW	23	070S	240E	4304732629	5670	Federal	GW	P
RWU 207	RW 14-17B	SWSW	17	070S	230E	4304732738	5670	Federal	OW	P
RED WASH UNIT 261	RW 23-17B	NESW	17	070S	230E	4304732739	5670	Federal	WI	A
RWU 268 (43-17B)	RW 43-17B	NESE	17	070S	230E	4304732980	5670	Federal	WI	A
RWU 267 (32-17B)	RW 32-17B	SWNE	17	070S	230E	4304732981	5670	Federal	OW	P
RWU 283 (43-18B)	RW 43-18B	NESE	18	070S	230E	4304732982	5670	Federal	WI	A
RWU 299 (32-18B)	RW 32-18B	SWNE	18	070S	230E	4304733018	5670	Federal	OW	P
RWU 42-20B	RW 42-20B	SENE	20	070S	230E	4304733490	5670	Federal	OW	P
RWU 22-20B	RW 22-20B	SENW	20	070S	230E	4304733491	5670	Federal	OW	S
RWU 24-19B	RW 24-19B	SESW	19	070S	230E	4304733492	5670	Federal	OW	P
RWU 13-19B	RW 13-19B	NWSW	19	070S	230E	4304733497	5670	Federal	WI	A
RWU 13-20B	RW 13-20B	NWSW	20	070S	230E	4304733498	5670	Federal	WI	A
RWU 33-19B	RW 33-19B	NWSE	19	070S	230E	4304733499	5670	Federal	WI	A
RWU 33-20B	RW 33-20B	NWSE	20	070S	230E	4304733500	5670	Federal	WI	A
RED WASH 22-21B	RW 22-21B	SENW	21	070S	230E	4304733522	5670	Federal	OW	S
RED WASH 24-20B	RW 24-20B	SESW	20	070S	230E	4304733523	5670	Federal	OW	P
RED WASH 44-19B	RW 44-19B	SESE	19	070S	230E	4304733524	5670	Federal	OW	P
RED WASH 44-20B	RW 44-20B	SESE	20	070S	230E	4304733525	5670	Federal	OW	P
RWU 11-19B	RW 11-19B	NWNW	19	070S	230E	4304733552	5670	Federal	WI	A
RWU 11-20B	RW 11-20B	NWNW	20	070S	230E	4304733553	5670	Federal	WI	A
RWU 24-18B	RW 24-18B	SESW	18	070S	230E	4304733554	5670	Federal	OW	P
RWU 31-19B	RW 31-19B	NWNE	19	070S	230E	4304733555	5670	Federal	WI	A
RWU 42-19B	RW 42-19B	SENE	19	070S	230E	4304733556	5670	Federal	OW	P
RWU 22-19B	RW 22-19B	SENW	19	070S	230E	4304733559	5670	Federal	OW	P
RWU 23-24A	RW 23-24A	NESW	24	070S	220E	4304733567	5670	Federal	OW	P
RWU 34-24A	RW 34-24A	SWSE	24	070S	220E	4304733568	5670	Federal	WI	A
RWU 42-24A	RW 42-24A	SENE	24	070S	220E	4304733569	5670	Federal	OW	S
RWU 11-25A	RW 11-25A	NWNW	25	070S	220E	4304733574	5670	Federal	WI	A
RWU 13-25A	RW 13-25A	NWSW	25	070S	220E	4304733575	5670	Federal	WI	A
RWU 21-25A	RW 21-25A	NENW	25	070S	220E	4304733576	5670	Federal	OW	P
RWU 31-25A	RW 31-25A	NWNE	25	070S	220E	4304733577	5670	Federal	WI	A
RWU 33-25A	RW 33-25A	NWSE	25	070S	220E	4304733578	5670	Federal	WI	A
RW 41-25AX	RW 41-25A	NENE	25	070S	220E	4304733579	5670	Federal	OW	P
RWU 42-25A	RWU 42-25A	SENE	25	070S	220E	4304733580	5670	Federal	OW	TA
RWU 11-29B	RW 11-29B	NWNW	29	070S	230E	4304733590	5670	Federal	WI	A
RWU 12-24A	RW 12-24A	SWNW	24	070S	220E	4304733591	5670	Federal	WI	A
RWU 21-24A	RW 21-24A	NENW	24	070S	220E	4304733592	5670	Federal	OW	P
RWU 34-13A	RW 34-13A	SWSE	13	070S	220E	4304733593	5670	Federal	WI	A
RWU 44-18B	RW 44-18B	SESE	18	070S	230E	4304733594	5670	Federal	OW	P
RW 22-13A	RW 22-13A	SENW	13	070S	220E	4304733765	13296	Federal	OW	S
RWU 22-29B	RW 22-29B	SENW	29	070S	230E	4304733766	5670	Federal	OW	S

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)
RED WASH UNIT

4/30/2007 and 5/15/2007

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RWU 41-24A	RW 41-24A	NENE	24	070S	220E	4304733769	5670	Federal	OW	P
RWU 42-30B	RW 42-30B	SENE	30	070S	230E	4304733771	5670	Federal	OW	P
RWU 44-30B	RWU 44-30B	SESE	30	070S	230E	4304733772	5670	Federal	OW	P
RWU 11-30B	RW 11-30B	NWNW	30	070S	230E	4304733785	5670	Federal	WI	A
RWU 22-25A	RW 22-25A	SENW	25	070S	220E	4304733786	5670	Federal	OW	P
RWU 31-30B	RW 31-30B	NWNE	30	070S	230E	4304733788	5670	Federal	WI	A
RWU 33-30B	RW 33-30B	NWSE	30	070S	230E	4304733790	5670	Federal	WI	A
RED WASH U 34-27C	RW 34-27C	SWSE	27	070S	240E	4304735045	5670	Federal	GW	P
RWU 34-22C	RW 34-22C	SWSE	22	070S	240E	4304735098	5670	Federal	GW	P
RW 12G-20C	RW 12G-20C	SWNW	20	070S	240E	4304735239	14011	Federal	GW	S
RW 43G-08F	RW 43G-08F	NESE	08	080S	240E	4304735655		Federal	GW	APD
RW 22G-09F	RW 22G-09F	SENW	09	080S	240E	4304735656	15636	Federal	GW	OPS
RWU 34-23AG	RW 34-23AG	SWSE	23	070S	220E	4304735668	5670	Federal	OW	P
RWU 34-27AG	RWU 34-27AD	SWSE	27	070S	220E	4304735669	5670	Federal	OW	DRL
RWU 32-27AG	RWU 32-27AG	SWNE	27	070S	220E	4304735670	5670	Federal	OW	S
RW 14-34AMU	RW 14-34AMU	SWSW	34	070S	220E	4304735671	14277	Federal	GW	P
RW 12-08FG	RW 12-08FG	SWNW	08	080S	240E	4304736348		Federal	GW	APD
RW 44-08FG	RW 44-08FG	SESE	08	080S	240E	4304736349	15261	Federal	GW	P
RW 12-17FG	RW 12-17FG	SWNW	17	080S	240E	4304736350		Federal	GW	APD
RW 34-34 AMU	RW 34-34 AD	SWSE	34	070S	220E	4304736351		Federal	GW	APD
RW 44-35 AMU	RW 44-35 AMU	SESE	35	070S	220E	4304736352		Federal	GW	APD
RW 14-35 AMU	RW 14-35 AMU	SWSW	35	070S	220E	4304736354		Federal	GW	APD
RW 33-31 BMU	RW 33-31 BD	NWSE	31	070S	230E	4304736357		Federal	GW	APD
RW 13-31 BMU	RW 13-31 BD	NWSW	31	070S	230E	4304736358		Federal	GW	APD
RW 32-15FG	RW 32-15FG	SWNE	15	080S	240E	4304736443		Federal	GW	APD
RW 21-26AG	RW 21-26AD	NENW	26	070S	220E	4304736768		Federal	OW	APD
RW 43-26AG	RW 43-26AG	NESE	26	070S	220E	4304736769		Federal	OW	APD
RW 43-23AG	RW 43-23AG	NESE	23	070S	220E	4304736770		Federal	OW	APD
RW 41-26AG	RW 41-26AG	NENE	26	070S	220E	4304736818		Federal	OW	APD
RW 04-25BG	RW 04-25B	NWSW	25	070S	230E	4304736982		Federal	OW	APD
RW 01-25BG	RW 01-25BG	NWNW	25	070S	230E	4304736983		Federal	OW	APD
RW 04-26BG	RW 04-26BG	SESW	26	070S	230E	4304736984		Federal	OW	APD
RW 01-26BG	RW 01-26BG	SWNW	26	070S	230E	4304736985		Federal	OW	APD
RW 01-35BG	RW 01-35BG	SWNW	35	070S	230E	4304736986		Federal	OW	APD

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)
RED WASH UNIT

4/30/2007 and 5/15/2007

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RWU 51 (12-16B)	RW 12-16B	SWNW	16	070S	230E	4304715177	5670	State	OW	P
RWU ST 189 (41-16B)	RW 41-16B	NENE	16	070S	230E	4304715292	5670	State	OW	S
RED WASH UNIT 259	RW 14-16B	SWSW	16	070S	230E	4304732785	5670	State	OW	P
RED WASH UNIT 260	RW 34-16B	SWSE	16	070S	230E	4304732786	5670	State	OW	P
RWU 324 (23-16B)	RW 23-16B	SESW	16	070S	230E	4304733084	5670	State	WI	OPS
RWU 21W-36A	RWU 21W-36A	NENW	36	070S	220E	4304733730		State	GW	LA
RWU 21G-36A	RWU 21G-36A	NENW	36	070S	220E	4304733731		State	OW	LA
RWU 41-36A	RWU 41-36A	NENE	36	070S	220E	4304733732		State	OW	LA
RWU 43-16B	RWU 43-16B	NESE	16	070S	230E	4304733733		State	OW	LA
RWU 21-16B	RWU 21-16B	NENW	16	070S	230E	4304733734		State	OW	LA
RWU 11-36A	RWU 11-36A	NWNW	36	070S	220E	4304733736		State	OW	LA
RWU 13-36A	RWU 13-36A	NWSW	36	070S	220E	4304733737		State	OW	LA
RW 32G-16C	RW 32G-16C	SWNE	16	070S	240E	4304735238	5670	State	GW	P
RW 14-36AMU	RW 14-36AMU	SWSW	36	070S	220E	4304736721		State	GW	APD
RW 01-36BG	RW 01-36BG	NWNW	36	070S	230E	4304736887	5670	State	OW	S
RW 24-16BG	RW 24-16BG	SESW	16	070S	230E	4304737746	5670	State	OW	DRL
RW 12-32BG	RW 12-32BG	SWNW	32	070S	230E	4304737946	15841	State	GW	DRL

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: see attached
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: see attached
7. UNIT or CA AGREEMENT NAME: see attached
8. WELL NAME and NUMBER: see attached
9. API NUMBER: attached
10. FIELD AND POOL, OR WILDCAT:

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER _____
2. NAME OF OPERATOR: QUESTAR EXPLORATION AND PRODUCTION COMPANY
3. ADDRESS OF OPERATOR: 1050 17th Street Suite 500 CITY Denver STATE CO ZIP 80265 PHONE NUMBER: (303) 308-3068
4. LOCATION OF WELL
FOOTAGES AT SURFACE: attached COUNTY: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: 1/1/2007	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: Operator Name Change
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

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

Effective January 1, 2007 operator of record, QEP Uinta Basin, Inc., will hereafter be known as QUESTAR EXPLORATION AND PRODUCTION COMPANY. This name change involves only an internal corporate name change and no third party change of operator is involved. The same employees will continue to be responsible for operations of the properties described on the attached list. All operations will continue to be covered by bond numbers:
Federal Bond Number: 965002976 (BLM Reference No. ESB000024)
Utah State Bond Number: 965003033
Fee Land Bond Number: 965003033
Current operator of record, QEP UINTA BASIN, INC., hereby resigns as operator of the properties as described on the attached list.

Jay B. Neese, Executive Vice President, QEP Uinta Basin, Inc.

Successor operator of record, QUESTAR EXPLORATION AND PRODUCTION COMPANY, hereby assumes all rights, duties and obligations as operator of the properties as described on the attached list

Jay B. Neese, Executive Vice President
Questar Exploration and Production Company

NAME (PLEASE PRINT) Debra K. Stanberry TITLE Supervisor, Regulatory Affairs
SIGNATURE _____ DATE 3/16/2007

(This space for State use only)

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APR 19 2007
DIV. OF OIL, GAS & MINING

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

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: see attached
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: see attached
7. UNIT or CA AGREEMENT NAME: see attached
8. WELL NAME and NUMBER: see attached
9. API NUMBER: attached
10. FIELD AND POOL, OR WILDCAT:

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER
2. NAME OF OPERATOR: QUESTAR EXPLORATION AND PRODUCTION COMPANY
3. ADDRESS OF OPERATOR: 1050 17th Street Suite 500 CITY Denver STATE CO ZIP 80265 PHONE NUMBER: (303) 308-3068
4. LOCATION OF WELL
FOOTAGES AT SURFACE: attached
COUNTY: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: 1/1/2007	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: Well Name Changes
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

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

PER THE ATTACHED LIST OF WELLS, QUESTAR EXPLORATION AND PRODUCTION COMPANY REQUESTS THAT THE INDIVIDUAL WELL NAMES BE UPDATED IN YOUR RECORDS.

NAME (PLEASE PRINT) Debra K. Stanberry TITLE Supervisor, Regulatory Affairs
SIGNATURE DATE 4/17/2007

(This space for State use only)

RECEIVED
APR 19 2007
DIV. OF OIL, GAS & MINING

(5/2000)

(See Instructions on Reverse Side)

United States Department of the Interior

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

TAKE PRIDE IN AMERICA

IN REPLY REFER TO
3180
UT-922

April 23, 2007

Questar Exploration and Production Company
1050 17th Street, Suite 500
Denver, Colorado 80265

Re: Red Wash Unit
Uintah County, Utah

Gentlemen:

On April 12, 2007, we received an indenture dated April 6, 2007, whereby QEP Uinta Basin, Inc. resigned as Unit Operator and Questar Exploration and Production Company was designated as Successor Unit Operator for the Red Wash Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective April 23, 2007. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Red Wash Unit Agreement.

Your nationwide oil and gas bond No. ESB000024 will be used to cover all federal operations within the Red Wash Unit.

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

Sincerely,

/s/ Greg J. Noble

Greg J. Noble
Acting Chief, Branch of Fluid Minerals

Enclosure
bcc: Field Manager - Vernal (w/enclosure)
SITLA
Division of Oil, Gas & Mining
File - Red Wash Unit (w/enclosure)
Agr. Sec. Chron
Reading File
Central Files
UT922:TAThompson:tt:4/23/07

RECEIVED
APR 30 2007
DIV. OF OIL, GAS & MINING

QUESTAR

Questar Exploration and Production Company
1571 East 1700 South
Vernal, UT 84078
Tel 435 781 4097 • Fax 435 781 4066

A. M. Petrik
Phone: 435-781-4092
Fax: 435-781-4066
Email: ann.petrik@questar.com

October 23, 2007

Via Certified Mail: 7006 2150 0002 4305 8005

Mr. Nathan Wiser (8ENF-UFO)
U.S. Environmental Protection Agency, Region 8
1595 Wynkoop Street
Denver, Colorado 80202-1129

RE: Mechanical Integrity Test (MIT)
for
RW 13-25A
UIC #UT2925-04648
~~API #43-047-33757~~ 43-047-33575
Location: NWSW Section 25 T7S R22E

Dear Mr. Wiser:

Enclosed for the subject well is the successful MIT result including the Casing or Annulus Pressure Test form and the pressure test chart. The MIT for this well is a regularly scheduled test.

If you have any questions or require additional information, I can be reached at 435-781-4092.

Sincerely,

Ann M. Petrik
Office Administrator I

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

Enclosures: MIT Casing or Annulus Pressure Test Form
MIT Results Spreadsheet with Pressure Test Chart

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

U.S. Department of the Interior
Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, Utah 84078

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DIV. OF OIL, GAS & MINING

MECHANICAL INTEGRITY TEST
CASING OR ANNULUS PRESSURE TEST

U.S. ENVIRONMENTAL PROTECTION AGENCY
UNDERGROUND INJECTION CONTROL PROGRAM, UIC IMPLEMENTATION SECTION (8P-W-GW)
999 18TH STREET, SUITE 300, DENVER,CO. 80202-2466

EPA WITNESS: NO **DATE:** 10/19/2007 **TIME:** 8:15 ☑ AM ☐ PM

TEST CONDUCTED BY: Dennis J. Paulson (Questar)

OTHERS PRESENT: (ADVANTAGE OILFIELD SERVICE)KEVIN CARTER

API NUMBER: 43-047-33757 **EPA ID NUMBER:** UT2925-04648

WELL NAME: RW 13-25A **TYPE:** ☑ ER ☐ SWD **STATUS:** ☑ AC ☐ TA ☐ UC

FIELD: RED WASH

WELL LOCATION: NWSW S25-T7S-R22E ☐ N ☐ S ☐ E ☐ W **COUNTY:** UINTAH **STATE:** UTAH

OPERATOR: QEP UINTA BASIN INC.

LAST MIT: 16-Oct-02 **MAXIMUM ALLOWABLE PRESSURE:** 2060 PSIG

IS THIS A REGULAR SCHEDULED TEST? ☑ YES ☐ NO

INITIAL TEST FOR PERMIT? ☐ YES ☑ NO

TEST AFTER WELL WORK? ☐ YES ☑ NO

WELL INJECTING DURING TEST? ☑ YES ☐ NO IF YES, RATE: 0 BPD

PRE-TEST CASING/TUBING ANNULUS PRESSURE: 0 :PSIG

MIT DATA TABLE	TEST #1		TEST #2		TEST #3	
TUBING	PRESSURE					
INITIAL PRESSURE	1967	PSIG		PSIG		PSIG
END OF TEST PRESSURE	1967	PSIG		PSIG		PSIG

CASING/TUBING	ANNULUS		TUBING			
0 MINUTES	1164 @8:32:11	PSIG	1964.3	PSIG		PSIG
5 MINUTES	1139.2 @8:37:21	PSIG	1967.2	PSIG		PSIG
10 MINUTES	1133.8 @8:42:41	PSIG	1967.2	PSIG		PSIG
15 MINUTES	1129.4 @8:47:12	PSIG	1967.3	PSIG		PSIG
20 MINUTES	1125.4 @8:52:21	PSIG	1967.3	PSIG		PSIG
25 MINUTES	1122.0 @8:57:21	PSIG	1967.4	PSIG		PSIG
30 MINUTES	1118.3 @9:02:21	PSIG	1967.4	PSIG		PSIG
MINUTES		PSIG		PSIG		PSIG
MINUTES		PSIG		PSIG		PSIG
RESULT	☑ PASS	☐ FAIL	☐ PASS	☐ FAIL	☐ PASS	☐ FAIL

DOES THE ANNULUS PRESSURE BUILD BACK UP AFTER THE TEST? ☐ YES ☑ NO

QUESTAR

RW 13-25A
MIT

3000	PSIG	7049-1	2	FEB	2007			
DATE	MONTH	YEAR	TIME	FILE	SAMPLE	CASING PSIG	TUBING PSIG	AMBIENT TEMP.
19	OCT	2007	8:27:51	1	1	0		44
19	OCT	2007	8:28:01	1	2	0		44
19	OCT	2007	8:28:12	1	3	0		44
19	OCT	2007	8:28:24	1	4	0		44
19	OCT	2007	8:28:31	1	5	0		44
19	OCT	2007	8:28:41	1	6	0		44
19	OCT	2007	8:28:51	1	7	18.434		44
19	OCT	2007	8:29:01	1	8	23.872		44
19	OCT	2007	8:29:12	1	9	30.739		44
19	OCT	2007	8:29:24	1	10	39.753		44
19	OCT	2007	8:29:31	1	11	48.95		44
19	OCT	2007	8:29:41	1	12	57.93		44
19	OCT	2007	8:29:51	1	13	68.38		44
19	OCT	2007	8:30:01	1	14	80.58		44
19	OCT	2007	8:30:11	1	15	98.09		44
19	OCT	2007	8:30:22	1	16	124.39		45
19	OCT	2007	8:30:34	1	17	168.57		45
19	OCT	2007	8:30:41	1	18	221.2		45
19	OCT	2007	8:30:51	1	19	293.12		45
19	OCT	2007	8:31:01	1	20	386.45		45
19	OCT	2007	8:31:11	1	21	496.9		45
19	OCT	2007	8:31:22	1	22	629.5		45
19	OCT	2007	8:31:34	1	23	791		45
19	OCT	2007	8:31:41	1	24	945.7		45
19	OCT	2007	8:31:51	1	25	1060.5		45
19	OCT	2007	8:32:01	1	26	1140		45
19	OCT	2007	8:32:11	1	27	1164	1964.3	45
19	OCT	2007	8:32:22	1	28	1162		45
19	OCT	2007	8:32:34	1	29	1160.9		45
19	OCT	2007	8:32:41	1	30	1159		45
19	OCT	2007	8:32:51	1	31	1156.6		45
19	OCT	2007	8:33:01	1	32	1154.9		45
19	OCT	2007	8:33:11	1	33	1153.4		45
19	OCT	2007	8:33:21	1	34	1152		45
19	OCT	2007	8:33:32	1	35	1150.8		45
19	OCT	2007	8:33:44	1	36	1149.7		45
19	OCT	2007	8:33:51	1	37	1148.7		45
19	OCT	2007	8:34:01	1	38	1147.8		45
19	OCT	2007	8:34:11	1	39	1147		45
19	OCT	2007	8:34:21	1	40	1146.3		45
19	OCT	2007	8:34:32	1	41	1145.6		45
19	OCT	2007	8:34:44	1	42	1144.9		45
19	OCT	2007	8:34:51	1	43	1144.3		45
19	OCT	2007	8:35:01	1	44	1143.8		45
19	OCT	2007	8:35:11	1	45	1143.3		45
19	OCT	2007	8:35:21	1	46	1142.9		45
19	OCT	2007	8:35:32	1	47	1142.5		45
19	OCT	2007	8:35:44	1	48	1142.1		45
19	OCT	2007	8:35:51	1	49	1141.7		45
19	OCT	2007	8:36:01	1	50	1141.4		45
19	OCT	2007	8:36:11	1	51	1141		45
19	OCT	2007	8:36:21	1	52	1140.7		45
19	OCT	2007	8:36:31	1	53	1140.5		45

19	OCT	2007	8:36:42	1	54	1140.2		45
19	OCT	2007	8:36:54	1	55	1139.9		45
19	OCT	2007	8:37:01	1	56	1139.7		45
19	OCT	2007	8:37:11	1	57	1139.4		45
19	OCT	2007	8:37:21	1	58	1139.2	1967.2	45
19	OCT	2007	8:37:31	1	59	1139		45
19	OCT	2007	8:37:42	1	60	1138.7		45
19	OCT	2007	8:37:54	1	61	1138.5		45
19	OCT	2007	8:38:01	1	62	1138.2		46
19	OCT	2007	8:38:11	1	63	1138		46
19	OCT	2007	8:38:21	1	64	1137.8		46
19	OCT	2007	8:38:31	1	65	1137.6		46
19	OCT	2007	8:38:42	1	66	1137.5		46
19	OCT	2007	8:38:54	1	67	1137.3		46
19	OCT	2007	8:39:01	1	68	1137.1		46
19	OCT	2007	8:39:11	1	69	1136.9		46
19	OCT	2007	8:39:21	1	70	1136.7		46
19	OCT	2007	8:39:31	1	71	1136.6		46
19	OCT	2007	8:39:41	1	72	1136.4		46
19	OCT	2007	8:39:52	1	73	1136.2		46
19	OCT	2007	8:40:04	1	74	1136.1		46
19	OCT	2007	8:40:11	1	75	1135.9		46
19	OCT	2007	8:40:21	1	76	1135.8		46
19	OCT	2007	8:40:31	1	77	1135.6		46
19	OCT	2007	8:40:41	1	78	1135.5		46
19	OCT	2007	8:40:52	1	79	1135.3		46
19	OCT	2007	8:41:04	1	80	1135.2		46
19	OCT	2007	8:41:11	1	81	1135		46
19	OCT	2007	8:41:21	1	82	1134.8		46
19	OCT	2007	8:41:31	1	83	1134.6		46
19	OCT	2007	8:41:41	1	84	1134.5		46
19	OCT	2007	8:41:52	1	85	1134.3		46
19	OCT	2007	8:42:04	1	86	1134.2		46
19	OCT	2007	8:42:11	1	87	1134		46
19	OCT	2007	8:42:21	1	88	1133.8	1967.2	46
19	OCT	2007	8:42:31	1	89	1133.7		46
19	OCT	2007	8:42:41	1	90	1133.5		46
19	OCT	2007	8:42:51	1	91	1133.4		46
19	OCT	2007	8:43:02	1	92	1133.2		46
19	OCT	2007	8:43:14	1	93	1133.1		46
19	OCT	2007	8:43:21	1	94	1132.9		46
19	OCT	2007	8:43:31	1	95	1132.8		46
19	OCT	2007	8:43:41	1	96	1132.6		46
19	OCT	2007	8:43:51	1	97	1132.4		46
19	OCT	2007	8:44:02	1	98	1132.3		46
19	OCT	2007	8:44:14	1	99	1132.1		46
19	OCT	2007	8:44:21	1	100	1132		46
19	OCT	2007	8:44:31	1	101	1131.8		46
19	OCT	2007	8:44:41	1	102	1131.7		46
19	OCT	2007	8:44:51	1	103	1131.5		46
19	OCT	2007	8:45:02	1	104	1131.4		46
19	OCT	2007	8:45:14	1	105	1131.2		46
19	OCT	2007	8:45:21	1	106	1131.1		46
19	OCT	2007	8:45:31	1	107	1130.9		46
19	OCT	2007	8:45:41	1	108	1130.8		46
19	OCT	2007	8:45:51	1	109	1130.6		46

19	OCT	2007	8:46:01	1	110	1130.5		46
19	OCT	2007	8:46:12	1	111	1130.2		47
19	OCT	2007	8:46:24	1	112	1130.1		47
19	OCT	2007	8:46:31	1	113	1130		47
19	OCT	2007	8:46:41	1	114	1129.8		47
19	OCT	2007	8:46:51	1	115	1129.7		47
19	OCT	2007	8:47:01	1	116	1129.5		47
19	OCT	2007	8:47:12	1	117	1129.4	1967.3	47
19	OCT	2007	8:47:24	1	118	1129.3		47
19	OCT	2007	8:47:31	1	119	1129.1		47
19	OCT	2007	8:47:41	1	120	1129		47
19	OCT	2007	8:47:51	1	121	1128.9		47
19	OCT	2007	8:48:01	1	122	1128.7		47
19	OCT	2007	8:48:12	1	123	1128.6		47
19	OCT	2007	8:48:24	1	124	1128.4		47
19	OCT	2007	8:48:31	1	125	1128.3		47
19	OCT	2007	8:48:41	1	126	1128.2		47
19	OCT	2007	8:48:51	1	127	1128		47
19	OCT	2007	8:49:01	1	128	1127.9		47
19	OCT	2007	8:49:11	1	129	1127.8		47
19	OCT	2007	8:49:22	1	130	1127.6		47
19	OCT	2007	8:49:34	1	131	1127.5		47
19	OCT	2007	8:49:41	1	132	1127.4		47
19	OCT	2007	8:49:51	1	133	1127.3		47
19	OCT	2007	8:50:01	1	134	1127.2		47
19	OCT	2007	8:50:11	1	135	1127		47
19	OCT	2007	8:50:22	1	136	1126.9		47
19	OCT	2007	8:50:34	1	137	1126.8		47
19	OCT	2007	8:50:41	1	138	1126.6		47
19	OCT	2007	8:50:51	1	139	1126.5		47
19	OCT	2007	8:51:01	1	140	1126.4		47
19	OCT	2007	8:51:11	1	141	1126.3		47
19	OCT	2007	8:51:22	1	142	1126.1		47
19	OCT	2007	8:51:34	1	143	1126		47
19	OCT	2007	8:51:41	1	144	1125.9		47
19	OCT	2007	8:51:51	1	145	1125.8		47
19	OCT	2007	8:52:01	1	146	1125.7		47
19	OCT	2007	8:52:11	1	147	1125.6		47
19	OCT	2007	8:52:21	1	148	1125.4	1967.3	47
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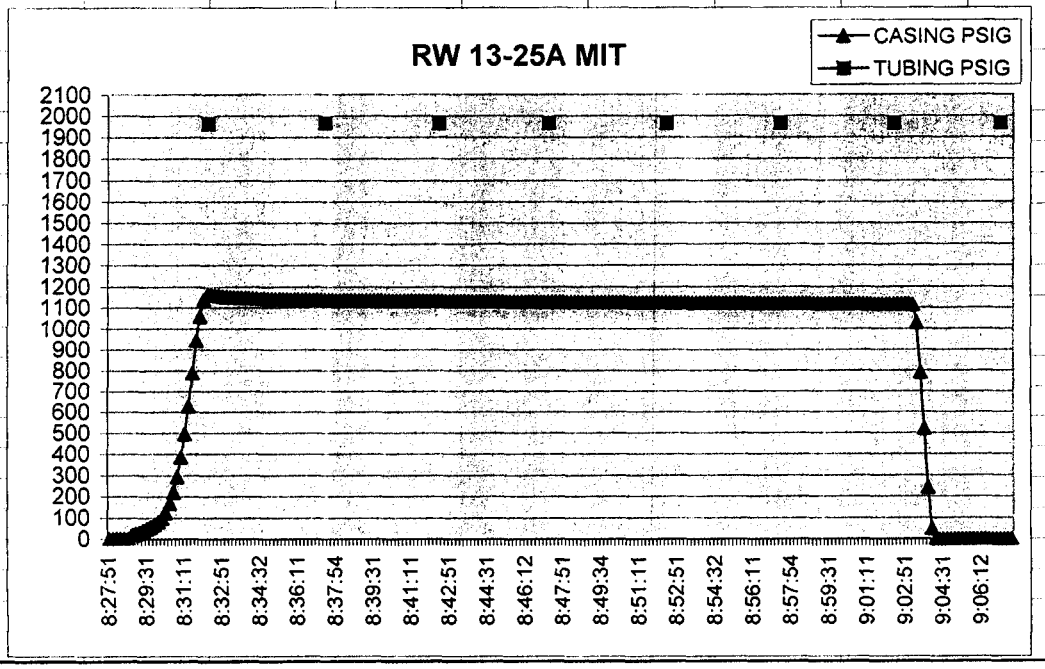
19	OCT	2007	8:52:44	1	150	1125.2		47
19	OCT	2007	8:52:51	1	151	1125.1		47
19	OCT	2007	8:53:01	1	152	1125		47
19	OCT	2007	8:53:11	1	153	1124.9		47
19	OCT	2007	8:53:21	1	154	1124.7		47
19	OCT	2007	8:53:32	1	155	1124.6		47
19	OCT	2007	8:53:44	1	156	1124.5		47
19	OCT	2007	8:53:51	1	157	1124.4		47
19	OCT	2007	8:54:01	1	158	1124.3		47
19	OCT	2007	8:54:11	1	159	1124.2		47
19	OCT	2007	8:54:21	1	160	1124.1		47
19	OCT	2007	8:54:32	1	161	1124		47
19	OCT	2007	8:54:44	1	162	1123.9		47
19	OCT	2007	8:54:51	1	163	1123.7		47
19	OCT	2007	8:55:01	1	164	1123.6		48
19	OCT	2007	8:55:11	1	165	1123.5		47

19	OCT	2007	8:55:21	1	166	1123.4		48	
19	OCT	2007	8:55:31	1	167	1123.3		48	
19	OCT	2007	8:55:42	1	168	1123.1		48	
19	OCT	2007	8:55:54	1	169	1123.1		48	
19	OCT	2007	8:56:01	1	170	1123		48	
19	OCT	2007	8:56:11	1	171	1122.9		48	
19	OCT	2007	8:56:21	1	172	1122.8		48	
19	OCT	2007	8:56:31	1	173	1122.6		48	
19	OCT	2007	8:56:42	1	174	1122.5		48	
19	OCT	2007	8:56:54	1	175	1122.4		48	
19	OCT	2007	8:57:01	1	176	1122.2		48	
19	OCT	2007	8:57:11	1	177	1122.1		48	
19	OCT	2007	8:57:21	1	178	1122	1967.4	48	
19	OCT	2007	8:57:31	1	179	1121.9		48	
19	OCT	2007	8:57:42	1	180	1121.7		48	
19	OCT	2007	8:57:54	1	181	1121.6		48	
19	OCT	2007	8:58:01	1	182	1121.5		48	
19	OCT	2007	8:58:11	1	183	1121.4		48	
19	OCT	2007	8:58:21	1	184	1121.3		48	
19	OCT	2007	8:58:31	1	185	1121.1		48	
19	OCT	2007	8:58:41	1	186	1121		48	
19	OCT	2007	8:58:52	1	187	1120.9		48	
19	OCT	2007	8:59:04	1	188	1120.8		48	
19	OCT	2007	8:59:11	1	189	1120.7		48	
19	OCT	2007	8:59:21	1	190	1120.6		48	
19	OCT	2007	8:59:31	1	191	1120.5		48	
19	OCT	2007	8:59:41	1	192	1120.3		48	
19	OCT	2007	8:59:52	1	193	1120.2		48	
19	OCT	2007	9:00:04	1	194	1120.1		48	
19	OCT	2007	9:00:11	1	195	1120		48	
19	OCT	2007	9:00:21	1	196	1119.8		48	
19	OCT	2007	9:00:31	1	197	1119.7		48	
19	OCT	2007	9:00:41	1	198	1119.5		48	
19	OCT	2007	9:00:52	1	199	1119.4		48	
19	OCT	2007	9:01:04	1	200	1119.3		48	
19	OCT	2007	9:01:11	1	201	1119.2		48	
19	OCT	2007	9:01:21	1	202	1119		48	
19	OCT	2007	9:01:31	1	203	1118.9		48	
19	OCT	2007	9:01:41	1	204	1118.8		48	
19	OCT	2007	9:01:52	1	205	1118.6		48	

19	OCT	2007	9:02:04	1	206	1118.5		48
19	OCT	2007	9:02:11	1	207	1118.4		48
19	OCT	2007	9:02:21	1	208	1118.3	1967.4	48
19	OCT	2007	9:02:31	1	209	1118.2		48
19	OCT	2007	9:02:41	1	210	1118		48
19	OCT	2007	9:02:51	1	211	1117.9		48
19	OCT	2007	9:03:02	1	212	1117.8		48
19	OCT	2007	9:03:14	1	213	1115.9		48
19	OCT	2007	9:03:21	1	214	1029.6		48
19	OCT	2007	9:03:31	1	215	792.5		48
19	OCT	2007	9:03:41	1	216	521.8		48
19	OCT	2007	9:03:51	1	217	243.46		48
19	OCT	2007	9:04:02	1	218	49.675		48
19	OCT	2007	9:04:14	1	219	0		48
19	OCT	2007	9:04:21	1	220	0		48
19	OCT	2007	9:04:31	1	221	0		48
19	OCT	2007	9:04:41	1	222	0		49
19	OCT	2007	9:04:51	1	223	0		49
19	OCT	2007	9:05:02	1	224	0		49
19	OCT	2007	9:05:14	1	225	0		49
19	OCT	2007	9:05:21	1	226	0		49
19	OCT	2007	9:05:31	1	227	0		49
19	OCT	2007	9:05:41	1	228	0		49
19	OCT	2007	9:05:51	1	229	0		49
19	OCT	2007	9:06:01	1	230	0		49
19	OCT	2007	9:06:12	1	231	0		49
19	OCT	2007	9:06:24	1	232	0		49
19	OCT	2007	9:06:31	1	233	0		49
19	OCT	2007	9:06:41	1	234	0		49
19	OCT	2007	9:06:51	1	235	0		50
19	OCT	2007	9:07:01	1	236	0	1967.4	50
19	OCT	2007	9:07:12	1	237	0		50
19	OCT	2007	9:07:24	1	238	0		50
19	OCT	2007	9:24:58	1	239	0		61



Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING
CDW

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

The operator of the well(s) listed below has changed, effective: **6/14/2010**

FROM: (Old Operator):	**TO:** (New Operator):
N5085-Questar Exploration and Production Company 1050 17th St, Suite 500 Denver, CO 80265 Phone: 1 (303) 308-3048	N3700-QEP Energy Company 1050 17th St, Suite 500 Denver, CO 80265 Phone: 1 (303) 308-3048

CA No. **Unit:** **RED WASH**

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED								

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: 6/28/2010
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/28/2010
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 6/24/2010

4a. Is the new operator registered in the State of Utah: Business Number: 764611-0143

5a. (R649-9-2)Waste Management Plan has been received on: Requested

5b. Inspections of LA PA state/fee well sites complete on: n/a

5c. Reports current for Production/Disposition & Sundries on: ok

6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 8/16/2010 BIA not yet
7. **Federal and Indian Units:**
   The BLM or BIA has approved the successor of unit operator for wells listed on: 8/16/2010
8. **Federal and Indian Communization Agreements ("CA"):**
   The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
9. **Underground Injection Control ("UIC")** 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: 6/29/2010

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 6/30/2010
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 6/30/2010
3. Bond information entered in RBDMS on: 6/30/2010
4. Fee/State wells attached to bond in RBDMS on: 6/30/2010
5. Injection Projects to new operator in RBDMS on: 6/30/2010
6. Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: ESB000024
2. Indian well(s) covered by Bond Number: 965010693

3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 965010695

3b. The **FORMER** operator has requested a release of liability from their bond on: n/a

LEASE INTEREST OWNER NOTIFICATION:

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

5. LEASE DESIGNATION AND SERIAL NUMBER: See attached

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: See attached

7. UNIT or CA AGREEMENT NAME: See attached

8. WELL NAME and NUMBER: See attached

9. API NUMBER: Attached

10. FIELD AND POOL, OR WILDCAT: See attached

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

2. NAME OF OPERATOR: Questar Exploration and Production Company N5085

3. ADDRESS OF OPERATOR: 1050 17th Street, Suite 500 CITY Denver STATE CO ZIP 80265 PHONE NUMBER: (303) 672-6900

4. LOCATION OF WELL

FOOTAGES AT SURFACE: See attached

COUNTY: Attached

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: 6/14/2010	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: Operator Name Change
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

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

Effective June 14, 2010 Questar Exploration and Production Company changed its name to QEP Energy Company. This name change involves only an internal corporate name change and no third party change of operator is involved. The same employees will continue to be responsible for operations of the properties described on the attached list. All operations will continue to be covered by bond numbers:
Federal Bond Number: 965002976 (BLM Reference No. ESB000024) N3700
Utah State Bond Number: ~~965003033~~ 965010695
Fee Land Bond Number: ~~965003033~~
BIA Bond Number: ~~799446~~ 965010693

The attached document is an all inclusive list of the wells operated by Questar Exploration and Production Company. As of June 14, 2010 QEP Energy Company assumes all rights, duties and obligations as operator of the properties as described on the list

NAME (PLEASE PRINT): Morgan Anderson TITLE: Regulatory Affairs Analyst

SIGNATURE: Morgan Anderson DATE: 6/23/2010

(This space for State use only)

RECEIVED
JUN 28 2010
DIV. OF OIL, GAS & MINING

APPROVED 6/30/2009
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

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

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
RED WASH
effective June 14, 2010

well_name	sec	twp	rng	api	entity	mineral lease	type	stat	C
RW 41-33B	33	070S	230E	4304720060	5670	Federal	WD	A	
RW 43-28A	28	070S	220E	4304730058	5670	Federal	WD	A	
RW 34-27B	27	070S	230E	4304715142	5670	Federal	WI	A	
RW 14-13B	13	070S	230E	4304715144	5670	Federal	WI	A	
RW 41-20B	20	070S	230E	4304715146	5670	Federal	WI	A	
RW 21-23B	23	070S	230E	4304715151	5670	Federal	WI	A	
RW 23-14B	14	070S	230E	4304715161	5670	Federal	WI	A	
RW 41-28B	28	070S	230E	4304715182	5670	Federal	WI	A	
RW 23-18B	18	070S	230E	4304715210	5670	Federal	WI	A	
RW 43-21A	21	070S	220E	4304715219	5670	Federal	WI	A	
RW 41-24A	24	070S	220E	4304715221	5670	Federal	WI	A	
RW 13-22B	22	070S	230E	4304715261	5670	Federal	WI	A	
RW 23-15B	15	070S	230E	4304715267	5670	Federal	WI	A	
RW 21-20B	20	070S	230E	4304715281	5670	Federal	WI	A	
RW 33-13B	13	070S	230E	4304715289	5670	Federal	WI	A	
RW 21-34A	34	070S	220E	4304715303	5670	Federal	WI	I	
RW 14-24B	24	070S	230E	4304716472	5670	Federal	WI	A	
RW 41-27B	27	070S	230E	4304716473	5670	Federal	WI	I	
RW 43-28B	28	070S	230E	4304716475	5670	Federal	WI	S	
RW 23-23B	23	070S	230E	4304716476	5670	Federal	WI	A	
RW 12-24B	24	070S	230E	4304716477	5670	Federal	WI	A	
RW 33-22B	22	070S	230E	4304716479	5670	Federal	WI	A	
RW 41-21B	21	070S	230E	4304716482	5670	Federal	WI	A	
RW 41-15B	15	070S	230E	4304716495	5670	Federal	WI	I	
RW 21-21B	21	070S	230E	4304716496	5670	Federal	WI	A	
RW 14-21B	21	070S	230E	4304716497	5670	Federal	WI	A	
RW 41-14B	14	070S	230E	4304716498	5670	Federal	WI	A	
RW 21-27A	27	070S	220E	4304730103	5670	Federal	WI	A	
RW 34-22A	22	070S	220E	4304730458	5670	Federal	WI	A	
RW 24-26B	26	070S	230E	4304730518	5670	Federal	WI	I	
RW 31-35B	35	070S	230E	4304730519	5670	Federal	WI	A	
RW 33-26B	26	070S	230E	4304730521	5670	Federal	WI	I	
RW 13-26B	26	070S	230E	4304730522	5670	Federal	WI	A	
RW 11-36B	36	070S	230E	4304731052	5670	Federal	WI	A	
RW 31-26B	26	070S	230E	4304731077	5670	Federal	WI	A	
RW 42-35B	35	070S	230E	4304731081	5670	Federal	WI	I	
RW 23-17B	17	070S	230E	4304732739	5670	Federal	WI	A	
RW 43-17B	17	070S	230E	4304732980	5670	Federal	WI	A	
RW 43-18B	18	070S	230E	4304732982	5670	Federal	WI	A	
RW 13-19B	19	070S	230E	4304733497	5670	Federal	WI	A	
RW 13-20B	20	070S	230E	4304733498	5670	Federal	WI	A	
RW 33-19B	19	070S	230E	4304733499	5670	Federal	WI	A	
RW 33-20B	20	070S	230E	4304733500	5670	Federal	WI	A	
RW 11-19B	19	070S	230E	4304733552	5670	Federal	WI	A	

Bonds: BLM = ESB000024
BIA = 956010693
State = 965010695

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
RED WASH
effective June 14, 2010

well_name	sec	twp	rng	api	entity	mineral lease	type	stat	C
RW 11-20B	20	070S	230E	4304733553	5670	Federal	WI	A	
RW 31-19B	19	070S	230E	4304733555	5670	Federal	WI	A	
RW 34-24A	24	070S	220E	4304733568	5670	Federal	WI	A	
RW 11-25A	25	070S	220E	4304733574	5670	Federal	WI	A	
RW 13-25A	25	070S	220E	4304733575	5670	Federal	WI	A	
RW 31-25A	25	070S	220E	4304733577	5670	Federal	WI	A	
RW 33-25A	25	070S	220E	4304733578	5670	Federal	WI	TA	
RW 11-29B	29	070S	230E	4304733590	5670	Federal	WI	A	
RW 12-24A	24	070S	220E	4304733591	5670	Federal	WI	A	
RW 34-13A	13	070S	220E	4304733593	5670	Federal	WI	A	
RW 11-30B	30	070S	230E	4304733785	5670	Federal	WI	A	
RW 31-30B	30	070S	230E	4304733788	5670	Federal	WI	A	
RW 33-30B	30	070S	230E	4304733790	5670	Federal	WI	A	

Bonds: BLM = ESB000024
BIA = 956010693
State = 965010695

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
http://www.blm.gov/ut/st/en.html

TAKE PRIDE IN AMERICA

IN REPLY REFER TO:
3100
(UT-922)

JUL 28 2010

Memorandum

To: Vernal Field Office, Price Field Office, Moab Field Office

From: Chief, Branch of Minerals Roger L Bankert

Subject: Name Change Recognized

Attached is a copy of the Certificate of Name Change issued by the Texas Secretary of State and a decision letter recognizing the name change from the Eastern States Office. We have updated our records to reflect the name change in the attached list of leases.

The name change from **Questar Exploration and Production Company** into **QEP Energy Company** is effective June 8, 2010.

cc: MMS
UDOGM

RECEIVED
AUG 16 2010
DIV. OF OIL, GAS & MINING

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

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

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

EFFECTIVE DATE OF TRANSFER: 6/14/2010

CURRENT OPERATOR

Company: Questar Exploration and Production Company
Address: 1050 17th Street, Suite 500
city Denver state CO zip 80265
Phone: (303) 672-6900
Comments:

Name: Ann Petrik
Signature:
Title: Engineering Analyst
Date: 6/28/2010

NEW OPERATOR

Company: QEP Energy Company
Address: 1050 17th Street, Suite 500
city Denver state CO zip 80265
Phone: (303) 672-6900
Comments:

Name: Ann Petrik
Signature:
Title: Engineering Analyst
Date: 6/28/2010

(This space for State use only)

Transfer approved by:
Title:
Comments:

Approval Date:

EPA approved well

Accepted by the
Utah Division of
Oil, Gas and Mining
Date: 6/29/10
By: D. Jarvis

(5/2000)

RECEIVED
JUN 28 2010
DIV. OF OIL, GAS & MINING

QEP Energy Company

Independence Plaza
1050 17th Street, Suite 500
Denver, CO 80265
Tel 303-672-6900
Fax 303-294-9632

Rocky Mountain Region

January 24, 2011

Mr. Nathan Wiser (8ENF-UFO)
U.S. Environmental Protection Agency, Region 8
1595 Wynkoop Street
Denver, CO 80202-1129

RE: Mechanical Integrity Test (MIT) for
RW 13-25A
UIC# UT2925-04648
API# 43-047-33575
Location: NWSW Sec. 25 T7S, R22E

Dear Mr. Wiser:

Please find the successful MIT result including Casing or Annulus Pressure Test form and the pressure test chart for the above referenced well. This well has been shut in since July of 2008, and as per EPA regulations requiring MITs every two years for shut in wells, this well was past due for an evaluation. QEP intends to resume injection on this well in the spring. Permission to do so is requested.

If you have any questions or need additional information, please contact me at 303-308-3060. Thank you.

Sincerely,

Morgan Anderson

Morgan Anderson
Regulatory Affairs Analyst

Enclosures: MIT Casing or Annulus Pressure Test Form
MIT Results Spreadsheet with Pressure Test Chart

cc: Utah Division of Oil Gas and Mining
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, UT 84114-5801

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

RECEIVED
JAN 27 2011
DIV. OF OIL, GAS & MINING

MECHANICAL INTEGRITY TEST
CASING OR ANNULUS PRESSURE TEST

U.S. ENVIRONMENTAL PROTECTION AGENCY
UNDERGROUND INJECTION CONTROL PROGRAM, UIC IMPLEMENTATION SECTION (8P-W-GW)
999 18TH STREET, SUITE 300, DENVER,CO. 80202-2466

EPA WITNESS: NONE **DATE:** 1/20/2011 **TIME:** 2:34 ☐ AM ☑ PM

TEST CONDUCTED BY: AUSTIN WEDDLE QEP ENERGY COMPANY

OTHERS PRESENT: KEVIN CARTER K & E HOT OIL

API NUMBER- 43-047-33575 **EPA ID NUMBER- UT2925-04648**

WELL NAME: RW 13-25A **TYPE:** ☑ ER ☐ SWD **STATUS:** ☑ AC ☐ TA ☐ UC

FIELD: RED WASH LEASE# UTU 0561 UNIT# 8920007610

WELL LOCATION: NW,SW, SEC 25,T7S, R22E ☐ N ☐ S ____ ☐ E ☐ W **COUNTY: UINTAH STATE: UTAH**

OPERATOR: **QEP ENERGY COMPANY**

LAST MIT: 10/19/2007 **MAXIMUM ALLOWABLE PRESSURE:** 2060 **PSIG**

IS THIS A REGULAR SCHEDULED TEST? ☑ YES ☐ NO

INITIAL TEST FOR PERMIT? ☐ YES ☑ NO

TEST AFTER WELL WORK? ☐ YES ☑ NO

WELL INJECTING DURING TEST? ☐ YES ☑ NO IF YES, RATE: ____ BPD

PRE-TEST CASING/TUBING ANNULUS PRESSURE: 0 :PSIG

MIT DATA TABLE	TEST #1		TEST #2	TEST #3
TUBING	PRESSURE			
INITIAL PRESSURE	360	PSIG	PSIG	PSIG
END OF TEST PRESSURE	360	PSIG	PSIG	PSIG

CASING/TUBING	ANNULUS		TUBING	
0 MINUTES	1168.8@14:41:30	PSIG	360 PSIG	PSIG
5 MINUTES	1128.7@14:46:38	PSIG	360 PSIG	PSIG
10 MINUTES	1106.8@14:51:46	PSIG	360 PSIG	PSIG
15 MINUTES	1089.5@14:56:40	PSIG	360 PSIG	PSIG
20 MINUTES	1078.3@15:01:34	PSIG	360 PSIG	PSIG
25 MINUTES	1067.6@15:06:42	PSIG	360 PSIG	PSIG
30 MINUTES	1059.3@15:11:36	PSIG	360 PSIG	PSIG
MINUTES		PSIG	PSIG	PSIG
MINUTES		PSIG	PSIG	PSIG
RESULT	☑ PASS	☐ FAIL	☐ PASS ☐ FAIL	☐ PASS ☐ FAIL

DOES THE ANNULUS PRESSURE BUILD BACK UP AFTER THE TEST? ☐ YES ☑ NO

QEP ENERGY COMPANY RW 13-25A M.I.T. 1-20-2011

5000 PSIG 34125-1 15 APR 10

DATE	MONTH	YEAR	TIME	FILE	SAMPLE	CASING PSI	TUBING PSI	TEMP
20	JAN	2011	14:34:14	3	1	0		39
20	JAN	2011	14:34:16	3	2	0		39
20	JAN	2011	14:34:30	3	3	0		39
20	JAN	2011	14:34:44	3	4	0		39
20	JAN	2011	14:34:58	3	5	0		39
20	JAN	2011	14:35:12	3	6	0		39
20	JAN	2011	14:35:26	3	7	0		39
20	JAN	2011	14:35:40	3	8	0		39
20	JAN	2011	14:35:54	3	9	0		39
20	JAN	2011	14:36:08	3	10	0		39
20	JAN	2011	14:36:22	3	11	0		39
20	JAN	2011	14:36:36	3	12	0		39
20	JAN	2011	14:36:50	3	13	0		39
20	JAN	2011	14:37:04	3	14	0		39
20	JAN	2011	14:37:18	3	15	0		39
20	JAN	2011	14:37:32	3	16	0		39
20	JAN	2011	14:37:47	3	17	0		39
20	JAN	2011	14:38:01	3	18	0		39
20	JAN	2011	14:38:14	3	19	0		39
20	JAN	2011	14:38:28	3	20	0		39
20	JAN	2011	14:38:42	3	21	0		39
20	JAN	2011	14:38:56	3	22	0		39
20	JAN	2011	14:39:10	3	23	0		39
20	JAN	2011	14:39:24	3	24	0		39
20	JAN	2011	14:39:38	3	25	195.44		39
20	JAN	2011	14:39:52	3	26	520.3		39
20	JAN	2011	14:40:06	3	27	824.9		39
20	JAN	2011	14:40:20	3	28	1117.6		39
20	JAN	2011	14:40:34	3	29	1190.4		39
20	JAN	2011	14:40:48	3	30	1183.4		39
20	JAN	2011	14:41:02	3	31	1180.4		39
20	JAN	2011	14:41:16	3	32	1173.4		39
20	JAN	2011	14:41:30	3	33	1168.8	360	39
20	JAN	2011	14:41:45	3	34	1166.5		39
20	JAN	2011	14:41:59	3	35	1164.3		39
20	JAN	2011	14:42:12	3	36	1161.7		39
20	JAN	2011	14:42:26	3	37	1159.1		39
20	JAN	2011	14:42:40	3	38	1156.6		39
20	JAN	2011	14:42:54	3	39	1154.3		39
20	JAN	2011	14:43:08	3	40	1152		39
20	JAN	2011	14:43:22	3	41	1149.6		39
20	JAN	2011	14:43:36	3	42	1147.4		37
20	JAN	2011	14:43:50	3	43	1145.3		37
20	JAN	2011	14:44:04	3	44	1143.4		37

QEP ENERGY COMPANY RW 13-25A M.I.T. 1-20-2011

DATE	MONTH	YEAR	TIME	FILE	SAMPLE	CASING PSI	TUBING PSI	TEMP
20	JAN	2011	14:44:18	3	45	1141.7		37
20	JAN	2011	14:44:32	3	46	1139.9		37
20	JAN	2011	14:44:46	3	47	1137.9		37
20	JAN	2011	14:45:00	3	48	1136.3		37
20	JAN	2011	14:45:14	3	49	1134.8		37
20	JAN	2011	14:45:28	3	50	1133.6		37
20	JAN	2011	14:45:42	3	51	1132.5		37
20	JAN	2011	14:45:57	3	52	1131.6		37
20	JAN	2011	14:46:11	3	53	1130.4		37
20	JAN	2011	14:46:24	3	54	1129.5		37
20	JAN	2011	14:46:38	3	55	1128.7	360	37
20	JAN	2011	14:46:52	3	56	1127.9		37
20	JAN	2011	14:47:06	3	57	1127		37
20	JAN	2011	14:47:20	3	58	1126.2		37
20	JAN	2011	14:47:34	3	59	1125.5		37
20	JAN	2011	14:47:48	3	60	1124.1		37
20	JAN	2011	14:48:02	3	61	1122.9		37
20	JAN	2011	14:48:16	3	62	1121.8		37
20	JAN	2011	14:48:30	3	63	1120.8		37
20	JAN	2011	14:48:44	3	64	1119.3		37
20	JAN	2011	14:48:58	3	65	1117.5		37
20	JAN	2011	14:49:12	3	66	1116		37
20	JAN	2011	14:49:26	3	67	1114.8		37
20	JAN	2011	14:49:40	3	68	1113.8		37
20	JAN	2011	14:49:55	3	69	1112.8		37
20	JAN	2011	14:50:09	3	70	1111.9		37
20	JAN	2011	14:50:22	3	71	1111.1		37
20	JAN	2011	14:50:36	3	72	1110.2		37
20	JAN	2011	14:50:50	3	73	1109.5		37
20	JAN	2011	14:51:04	3	74	1108.9		36
20	JAN	2011	14:51:18	3	75	1108.2		36
20	JAN	2011	14:51:32	3	76	1107.5		36
20	JAN	2011	14:51:46	3	77	1106.8	360	36
20	JAN	2011	14:52:00	3	78	1106.2		36
20	JAN	2011	14:52:14	3	79	1105.1		36
20	JAN	2011	14:52:28	3	80	1104.1		36
20	JAN	2011	14:52:42	3	81	1103.1		36
20	JAN	2011	14:52:56	3	82	1102		36
20	JAN	2011	14:53:10	3	83	1100.9		36
20	JAN	2011	14:53:24	3	84	1100		36
20	JAN	2011	14:53:38	3	85	1099.1		36
20	JAN	2011	14:53:53	3	86	1098.2		36
20	JAN	2011	14:54:07	3	87	1097.2		36
20	JAN	2011	14:54:20	3	88	1096.5		36
20	JAN	2011	14:54:34	3	89	1095.6		36

QEP ENERGY COMPANY RW 13-25A M.I.T. 1-20-2011

DATE	MONTH	YEAR	TIME	FILE	SAMPLE	CASING PSI	TUBING PSI	TEMP
20	JAN	2011	14:54:48	3	90	1094.9		36
20	JAN	2011	14:55:02	3	91	1094.2		36
20	JAN	2011	14:55:16	3	92	1093.5		36
20	JAN	2011	14:55:30	3	93	1092.8		36
20	JAN	2011	14:55:44	3	94	1092.1		36
20	JAN	2011	14:55:58	3	95	1091.5		36
20	JAN	2011	14:56:12	3	96	1090.8		36
20	JAN	2011	14:56:26	3	97	1090.2		36
20	JAN	2011	14:56:40	3	98	1089.5	360	36
20	JAN	2011	14:56:54	3	99	1088.8		36
20	JAN	2011	14:57:08	3	100	1088.1		36
20	JAN	2011	14:57:22	3	101	1087.5		36
20	JAN	2011	14:57:36	3	102	1086.9		36
20	JAN	2011	14:57:51	3	103	1086.3		36
20	JAN	2011	14:58:05	3	104	1085.7		36
20	JAN	2011	14:58:18	3	105	1085.2		36
20	JAN	2011	14:58:32	3	106	1084.8		34
20	JAN	2011	14:58:46	3	107	1084.3		34
20	JAN	2011	14:59:00	3	108	1083.7		34
20	JAN	2011	14:59:14	3	109	1083.2		34
20	JAN	2011	14:59:28	3	110	1082.7		34
20	JAN	2011	14:59:42	3	111	1082.1		34
20	JAN	2011	14:59:56	3	112	1081.7		34
20	JAN	2011	15:00:10	3	113	1081.2		34
20	JAN	2011	15:00:24	3	114	1080.6		34
20	JAN	2011	15:00:38	3	115	1080.2		34
20	JAN	2011	15:00:52	3	116	1079.7		34
20	JAN	2011	15:01:06	3	117	1079.2		34
20	JAN	2011	15:01:20	3	118	1078.7		34
20	JAN	2011	15:01:34	3	119	1078.3	360	34
20	JAN	2011	15:01:49	3	120	1077.7		34
20	JAN	2011	15:02:03	3	121	1077		34
20	JAN	2011	15:02:16	3	122	1076.5		34
20	JAN	2011	15:02:30	3	123	1076		34
20	JAN	2011	15:02:44	3	124	1075.4		34
20	JAN	2011	15:02:58	3	125	1074.9		34
20	JAN	2011	15:03:12	3	126	1074.4		34
20	JAN	2011	15:03:26	3	127	1073.8		34
20	JAN	2011	15:03:40	3	128	1073.3		34
20	JAN	2011	15:03:54	3	129	1072.9		34
20	JAN	2011	15:04:08	3	130	1072.4		34
20	JAN	2011	15:04:22	3	131	1072		34
20	JAN	2011	15:04:36	3	132	1071.5		34
20	JAN	2011	15:04:50	3	133	1071		34
20	JAN	2011	15:05:04	3	134	1070.6		34

QEP ENERGY COMPANY RW 13-25A M.I.T. 1-20-2011

DATE	MONTH	YEAR	TIME	FILE	SAMPLE	CASING PSI	TUBING PSI	TEMP
20	JAN	2011	15:05:18	3	135	1070.1		34
20	JAN	2011	15:05:32	3	136	1069.7		34
20	JAN	2011	15:05:47	3	137	1069.2		34
20	JAN	2011	15:06:01	3	138	1068.8		34
20	JAN	2011	15:06:14	3	139	1068.4		34
20	JAN	2011	15:06:28	3	140	1067.9		34
20	JAN	2011	15:06:42	3	141	1067.6	360	34
20	JAN	2011	15:06:56	3	142	1067.1		34
20	JAN	2011	15:07:10	3	143	1066.8		32
20	JAN	2011	15:07:24	3	144	1066.4		32
20	JAN	2011	15:07:38	3	145	1066		32
20	JAN	2011	15:07:52	3	146	1065.6		32
20	JAN	2011	15:08:06	3	147	1065.2		32
20	JAN	2011	15:08:20	3	148	1064.7		32
20	JAN	2011	15:08:34	3	149	1064.4		32
20	JAN	2011	15:08:48	3	150	1063.9		32
20	JAN	2011	15:09:02	3	151	1063.5		32
20	JAN	2011	15:09:16	3	152	1063.1		32
20	JAN	2011	15:09:30	3	153	1062.8		32
20	JAN	2011	15:09:45	3	154	1062.3		32
20	JAN	2011	15:09:59	3	155	1061.9		32
20	JAN	2011	15:10:12	3	156	1061.6		32
20	JAN	2011	15:10:26	3	157	1061.2		32
20	JAN	2011	15:10:40	3	158	1060.8		32
20	JAN	2011	15:10:54	3	159	1060.4		32
20	JAN	2011	15:11:08	3	160	1060		32
20	JAN	2011	15:11:22	3	161	1059.7		32
20	JAN	2011	15:11:36	3	162	1059.3	360	32
20	JAN	2011	15:11:50	3	163	1058.9		32
20	JAN	2011	15:12:04	3	164	1058.5		32
20	JAN	2011	15:12:18	3	165	1058.2		32
20	JAN	2011	15:12:32	3	166	1057.8		32
20	JAN	2011	15:12:46	3	167	1057.4		32
20	JAN	2011	15:13:00	3	168	1057.1		32
20	JAN	2011	15:13:14	3	169	1056.7		32
20	JAN	2011	15:13:28	3	170	1056.4		32
20	JAN	2011	15:13:42	3	171	1055.9		32
20	JAN	2011	15:13:57	3	172	1055.6		32
20	JAN	2011	15:14:11	3	173	1013.9		32
20	JAN	2011	15:14:24	3	174	675.1		32
20	JAN	2011	15:14:38	3	175	64.76		32
20	JAN	2011	15:14:52	3	176	0		32
20	JAN	2011	15:15:06	3	177	0		32
20	JAN	2011	15:15:20	3	178	0		32
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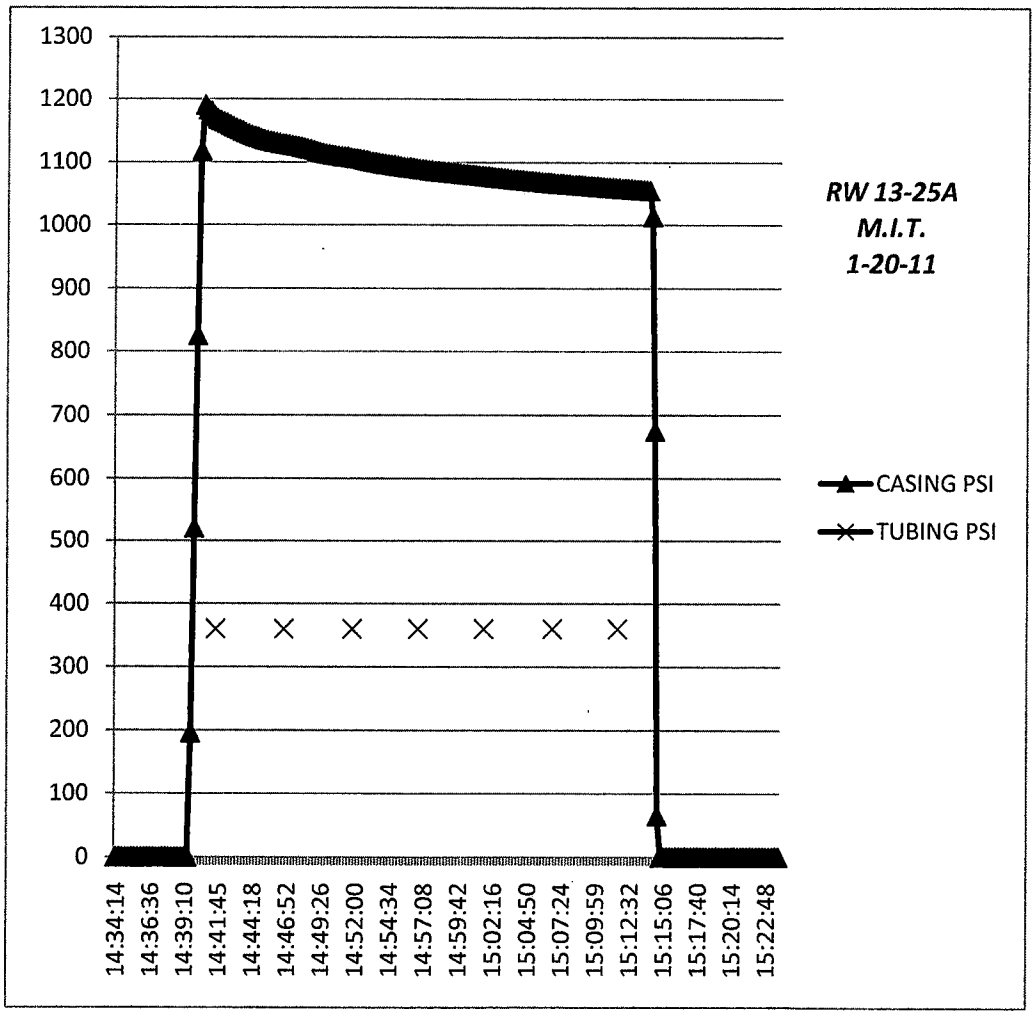
QEP ENERGY COMPANY RW 13-25A M.I.T. 1-20-2011

DATE	MONTH	YEAR	TIME	FILE	SAMPLE	CASING PSI	TUBING PSI	TEMP
20	JAN	2011	15:15:48	3	180	0		32
20	JAN	2011	15:16:02	3	181	0		32
20	JAN	2011	15:16:16	3	182	0		32
20	JAN	2011	15:16:30	3	183	0		32
20	JAN	2011	15:16:44	3	184	0		32
20	JAN	2011	15:16:58	3	185	0		32
20	JAN	2011	15:17:12	3	186	0		32
20	JAN	2011	15:17:26	3	187	0		32
20	JAN	2011	15:17:40	3	188	0		32
20	JAN	2011	15:17:55	3	189	0		32
20	JAN	2011	15:18:09	3	190	0		32
20	JAN	2011	15:18:22	3	191	0		32
20	JAN	2011	15:18:36	3	192	0		32
20	JAN	2011	15:18:50	3	193	0		32
20	JAN	2011	15:19:04	3	194	0		32
20	JAN	2011	15:19:18	3	195	0		32
20	JAN	2011	15:19:32	3	196	0		32
20	JAN	2011	15:19:46	3	197	0		32
20	JAN	2011	15:20:00	3	198	0		34
20	JAN	2011	15:20:14	3	199	0		34
20	JAN	2011	15:20:28	3	200	0		34
20	JAN	2011	15:20:42	3	201	0		34
20	JAN	2011	15:20:56	3	202	0		34
20	JAN	2011	15:21:10	3	203	0		34
20	JAN	2011	15:21:24	3	204	0		34
20	JAN	2011	15:21:38	3	205	0		34
20	JAN	2011	15:21:53	3	206	0		34
20	JAN	2011	15:22:07	3	207	0		34
20	JAN	2011	15:22:20	3	208	0		34
20	JAN	2011	15:22:34	3	209	0		34
20	JAN	2011	15:22:48	3	210	0		34
20	JAN	2011	15:23:02	3	211	0		34
20	JAN	2011	15:23:16	3	212	0		34
20	JAN	2011	15:23:30	3	213	0		34
20	JAN	2011	15:23:44	3	214	0		34

QEP ENERGY COMPANY RW 13-25A M.I.T. 1-20-2011

DATE	MONTH	YEAR	TIME	FILE	SAMPLE	CASING PSI	TUBING PSI	TEMP



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8
1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917
http://www.epa.gov/region08

FEB 07 2011

Ref: 8ENF-UFO

CERTIFIED MAIL 7009-3410-0000-2593-9730
RETURN RECEIPT REQUESTED

Accepted by the Utah Division of Oil, Gas and Mining

FOR RECORD ONLY

Ms. Morgan Anderson
Regulatory Affairs Analyst
QEP Energy Company
1050 17th Street, Suite 500
Denver, CO 80265

7S 22E 25

Re: Underground Injection Control (UIC)
Permission to Resume Injection and
Notice of Violation: Failure to Conduct Timely
Mechanical Integrity Test
RWU 13-25A Well
EPA Permit #UT20925-04648
API # 43-047-33575
Red Wash Oil Field
Uintah County, Utah

RECEIVED
FEB 10 2011
DIV. OF OIL, GAS & MINING

Dear Ms. Anderson:

On January 26, 2011, EPA received information from QEP Energy Company on the above referenced well concerning the mechanical integrity test (MIT) conducted on January 20, 2011. According to EPA records, this well has been in a state of temporary abandonment since December, 2007. The data submitted shows that the well passed the required MIT. Therefore, pursuant to Title 40 of the Code of Federal Regulations Section 144.51(q)(2) (40 C.F.R. §144.51(q)(2)), permission to resume injection is granted. Under continuous service, the next MIT will be due on or before January 20, 2016.

In reviewing the file for the well referenced above, EPA determined that QEP Energy Company has failed to timely conduct a required mechanical integrity test (MIT). Our records show that the last MIT was conducted on October 19, 2007. The well entered a state of temporary abandonment in December 2008. QEP was required to conduct an MIT no later than December 2009, two years after the temporary abandonment status began. Pursuant to Title 40 of the Code of Federal Regulations Section 146.23(b)(3) (40 C.F.R. §146.23(b)(3)) and Part II of the UIC permit for this well, QEP is required to demonstrate mechanical integrity at least every two years for temporarily abandoned wells. QEP's failure to timely conduct required a mechanical integrity demonstration is a violation.

Pursuant to 40 C.F.R. §144.52(a)(6), if the well is not used for a period of at least two (2) years ("temporary abandonment"), it shall be plugged and abandoned unless EPA is notified and procedures are described to EPA ensuring the well will not endanger underground sources of drinking water ("non-endangerment demonstration") during its continued temporary abandonment. A successful MIT is an acceptable non-endangerment demonstration and would be necessary every two (2) years the well continues in temporary abandonment.

Failure to comply with a UIC Permit, or the UIC regulations found at 40 C.F.R. Parts 144 through 148 constitute one or more violations of the Safe Drinking Water Act, 42 U.S.C. §300h. Such non-compliance may subject you to formal enforcement by EPA, as codified at 40 C.F.R. Part 22.

If you have any questions concerning this letter, you may contact Sarah Roberts at (303) 312-7056. Please direct all correspondence to the attention of Sarah Roberts at Mail Code 8ENF-UFO.

Sincerely,

Sandra A. Stavnes, Director
UIC/FIFRA/OPA Technical Enforcement Programs

cc: Richard Jenks, Jr., Chairman
Uintah & Ouray Business Committee
P.O. Box 190
Fort Duchesne, Utah 84026

Frances Poowegup, Vice-Chairwoman
Uintah & Ouray Business Committee
P.O. Box 190
Fort Duchesne, Utah 84026

Phillip Chimburas, Councilman
Uintah & Ouray Business Committee
P.O. Box 190
Fort Duchesne, Utah 84026

Stewart Pike, Councilman
Uintah & Ouray Business Committee
P.O. Box 190
Fort Duchesne, Utah 84026

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Irene Cuch, Councilwoman
Uintah & Ouray Business Committee
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Curtis Cesspooch, Councilman
Uintah & Ouray Business Committee
P.O. Box 190
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Mike Natchees, Environmental Coordinator
Ute Indian Tribe
P.O. Box 460
Fort Duchesne, Utah 84026

Manuel Myore, Director of Energy, Minerals and Air Programs
P.O. Box 70
Ute Indian Tribe
Fort Duchesne, Utah 84026

Dan Jarvis
Utah Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, Utah 84114

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FEDERAL APPROVAL OF THIS ACTION IS NECESSARY

FORM 9

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

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-0561

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: RED WASH

1. TYPE OF WELL Water Injection Well

8. WELL NAME and NUMBER: RW 13-25A

2. NAME OF OPERATOR: QEP ENERGY COMPANY

9. API NUMBER: 43047335750000

3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078

PHONE NUMBER: 303 595-5919 Ext

9. FIELD and POOL or WILDCAT: RED WASH

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1446 FSL 0664 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 25 Township: 07.0S Range: 22.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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

TYPE OF SUBMISSION

- ✓ NOTICE OF INTENT — Approximate date work will start: 6/7/2015
- ☐ SUBSEQUENT REPORT — Date of Work Completion:
- ☐ SPUD REPORT — Date of Spud:
- ☐ DRILLING REPORT — Report Date:

TYPE OF ACTION

☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	✓ RECOMPLETE DIFFERENT FORMATION
☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

QEP Energy Company respectfully requests authorization to recomplete the RW 13-25A water injection well as a producing oil well. QEP intends to remove the existing tubing and packer in the wellbore and set a bridge plug above the upper-most perforation. The wellbore will then be completed as an oil well above the new bridge plug. Please see the attached recomplete procedure, along with a wellbore diagram showing the configuration of the well as a producer.

Accepted by the Utah Division of Oil, Gas and Mining

Date: May 12, 2015

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Laura Abrams	303 260-6745	Sr. Regualtory Affairs Analyst

SIGNATURE	DATE
N/A	5/7/2015

RECEIVED: May. 07, 2015

1. Injection well will be flowed back prior to starting work
2. MIRU
3. Ensure pressure is bled off and well is not flowing
4. NDWH, NUBOP
5. Release packer and POOH w/ TBG (EOT @ 5880)
    a. 2 7/8" J-55 6.7#/ft
    b. LD Packer
6. RU Wireline
7. PU and RIH w/ 5 ½" gauge ring
    a. Run to 5340'
8. POOH and LD gauge ring
9. PU and RIH w/ 5 ½" RBP and Perf. Gun
    a. Set RBP @ 5325' (correlate w/ marked CBL)
    b. PU and perforate as follows

OHL log depth			**CBL log depth (-2ft)**				
11/26/00 Schl. Laterolog			12/15/00 Computalog CBL				
OHL log depth		**ft**	**CBL log depth (-2ft)**		**stage**	**inc**	**zone**
Top Perf	**B-Perf**		**Top Perf**	**B-Perf**			
5151	5157	6	5149	5155	1		Eu6
5187	5193	6	5185	5191	1		Ev5

10. POOH and RD Wireline
11. PU Packer / Retrieving head
12. RIH w/ work string
    a. Set packer @ 5100'
13. Cleanup / Breakdown perfs
    a. Close casing valves (close backside)
    b. Spot 500 gallons acid
14. Reland tubing @ 5250'
15. Swab test well

RECEIVED: May. 07, 2015

FIELD: Red Wash | GL: 5504 ' | KBE: 5519 '

Well: RWU #13-25A | TD: 6055 ' | PBTD: 6021 '

Location:
NW¼SW¼ S25-T7S-R22E
Uintah County, Utah

API# 43-047-33575
EPA# UT2925-04648

Wellbore Schematic

Surface casing
Size 9 5/8"
Weight 36#
Grade J-55
Cmtd w/ 175 sxs

Set @ 482'

Hole size 12¼"

TOC @ 2570 '

EXCLUDED PERFS

OPEN PERFS

Production Tubing
Size 2 7/8"
Weight 6.5#
Grade J-55

5151'-5157'

5187'-5193'

EOT at 5250'

RBP Set at 5,325'

5681'-5691' Gw4 sqzd w/ 75 sxs

5759'-5765' Lu6 sqzd w/ 75 sxs

5873'-5876' Mesa sqzd w/ 75 sxs

5907'-5909' **Mesa**

5924'-5928' **Mesa**

5929'-5933' **Mesa**

Production casing
Size 5 1/2", 15½#, J-55
Cmtd w/ 800 sxs

Set @ 6055'

Hole size 7 7/8"

Orig PBTD @ 6021 '
TD @ 6055 '

Prepared By: Matt Mahler

Date: #####

RECEIVED: May. 07, 2015

FEDERAL APPROVAL OF THIS ACTION IS NECESSARY

FORM 9

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

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-0561

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: RED WASH

1. TYPE OF WELL Water Injection Well

8. WELL NAME and NUMBER: RW 13-25A

2. NAME OF OPERATOR: QEP ENERGY COMPANY

9. API NUMBER: 43047335750000

3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078

PHONE NUMBER: 303 595-5919 Ext

9. FIELD and POOL or WILDCAT: RED WASH

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1446 FSL 0664 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 25 Township: 07.0S Range: 22.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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

TYPE OF SUBMISSION

- ✓ NOTICE OF INTENT — Approximate date work will start: 8/24/2015
- ☐ SUBSEQUENT REPORT — Date of Work Completion:
- ☐ SPUD REPORT — Date of Spud:
- ☐ DRILLING REPORT — Report Date:

TYPE OF ACTION

☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
☐ OPERATOR CHANGE	✓ PLUG AND ABANDON	☐ PLUG BACK
☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

QEP Energy Company intends to recomplete the above captioned water injection well to a producing oil well. In the event of an unsatisfactory recomplete, QEP intends to Plug and Abandon the well. Authorization for this contingency plan is respectfully requested. Please see the attached Plug and Abandonment procedure and wellbore diagram. Please note: the recomplete for this well was approved by UDOGM on May 12, 2015.

Accepted by the Utah Division of Oil, Gas and Mining

Date: July 29, 2015

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Laura Abrams	303 260-6745	Sr. Regualtory Affairs Analyst

SIGNATURE	DATE
N/A	7/24/2015

RECEIVED: Jul. 24, 2015

1. Cement will be Class G or B
2. Call for cementing work string
    a. Contact Derrick hacking @ 435-781-4316
3. MIRU
4. Ensure pressure is bled off
5. NDWH, NUBOP
6. Release packer and POOH w/ TBG (EOT @ 5880)
    a. 2 7/8" J-55 6.7#/ft
    b. LD junk and good tubing separate
7. PU 2 3/8" cementing work string
8. RIH w/ tubing set CICR
    a. Set @ 5100' (recomplete perfs)
    b. Sting into retainer, establish injection rate and pressure
    c. Squeeze 30sx below
    d. Spot 10sx above CICR
9. PU 200' and reverse circulate clean
10. Fill wellbore w/ displacement fluid (containing corrosion inhibitor and biocide)
11. Pressure test casing to 500 psi
    a. Internal yield max = 5,690 psi
12. Balance a plug (Green River @ 3080')
    a. 30sx
    b. From 2980' to 3180'
13. PU 300' and reverse circulate clean
14. LD work string
15. RU wireline
    a. Shoot holes @ 530'
16. RD wireline
17. RD Floor, ND BOP
18. Surface shoe and surface casing plug
    a. Establish injection rate / circulation
    b. Pump 190sx down casing and up annulus, or until good cmt returns are seen @ surface
    c. Ensure 3' to cut off WH
19. Cut off WH 3' below surface and weld on dry hole marker
20. GPS WH location and note in report
21. Notify Responsible Engineer

275 sx cement / 200 bbl fresh

RECEIVED: Jul. 24, 2015

FIELD: Red Wash | GL: 5504 ' KBE: 5519 ' | Start Date: Finish Date:04/02/2001

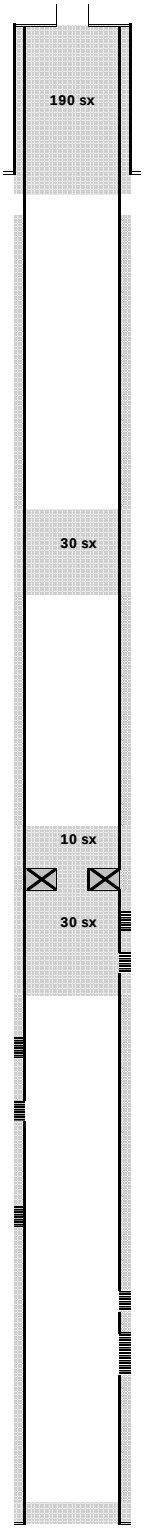
Well: RWU #13-25A | TD: 6055 ' PBTD: 6021 ' | Current Well Status: **Water Injection Well**

Location:
NW¼SW¼ S25-T7S-R22E
Uintah County, Utah

API# 43-047-33575
EPA# UT2925-04648

Reason for Pull/Workover:
Convert to injection

Wellbore Schematic



Surface casing
Size 9 5/8"
Weight 36#
Grade J-55
Cmtd w/ 175 sxs
Set @ 482'
Hole size 12¼"

190 sx

TOC @ 2570 '

EXCLUDED PERFS

OPEN PERFS

30 sx

GR top @ 3080'

Mahogany Market @ 4059'

10 sx

CICR @ 5100'

30 sx

5149-5155'

5185-5191'

5681'-5691' Gw4 sqzd w/ 75 sxs

5759'-5765' Lu6 sqzd w/ 75 sxs

5873'-5876' Mesa sqzd w/ 75 sxs

F nipple @ 5880 '
Packer @ 5,888 '

5907'-5909' **Mesa**

5924'-5928' **Mesa**
5929'-5933' **Mesa**

Production casing
Size 5 1/2", 15½#, J-55
Cmtd w/ 800 sxs
Set @ 6055'
Hole size 7 7/8"

Orig PBTD @ 6021 '
TD @ 6055 '

Tubing Landing Detail:

Description	Size	Footage	Depth
KB to Tbg Head		15.00	15.00
181 jts 2 7/8" tubing	2 7/8"		
x-over	2 7/8"		
F nipple	2 3/8"		5,880.00
Arrowset I packer w/ 27K# comp	2 3/8"		5,888.00
EOT			**5,888.00**

Tubing Information
Condition:
New: ____ Used: ____ Rerun: X
Grade: **J-55**
Weight (#/ft): **6.5**

Sucker Rod Detail:
Size | Rods | Rod Type

Rod Information
Condition:
New: ____ USED ____ RERUN ____
Grade: ____
Manufacturer: ____

Pump Information:
API Designation ____
Example:
Pump SN#: ____ Original Run Date: ____
Rerun: ____ New Run: ____ Rebuild: ____

ESP Well
Cable Size: ____
Pump Intake @ ____
End of Pump @ ____

Flowing Well
"R" NIPPLE ____
PKR @ ____
EOT @ ____

Wellhead Detail:
7 1/16" 2000# ____
7 1/16" 3000# X
7 1/16" 5000# ____
Other: ____
Tbg Hanger Type: Donut: ____ Bonnet: ____

SUMMARY

All cement will be Class "G" nest or Class "B"
MIRU
NDWH NUBOP
Release packer and POOH w/ tubing and BHA
PU Cementing work string and 5 1/2" CICR
Existing perfs - RIH and set CICR @ 5100'
Establish injection rate/ pressure; squeeze 30sx below and spot 10sx above
Green River Top - Balance plug from 2980' - 3180' with 24sx
Surface and Production Casing - shoot holes @ 530'
Establish injection rate/ circulation
Pump 190 sx down casing and up annulus, or until good cement returnas are seen at surface
Cut off WH 3' below surface level and weld on dry hole marker
GPS WH location and note in report

Prepared By: J White Date: 5/4/2015

FORM 9

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

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-0561

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: RED WASH

1. TYPE OF WELL Water Injection Well

8. WELL NAME and NUMBER: RW 13-25A

2. NAME OF OPERATOR: QEP ENERGY COMPANY

9. API NUMBER: 43047335750000

3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078

PHONE NUMBER: 303 595-5919 Ext

9. FIELD and POOL or WILDCAT: RED WASH

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1446 FSL 0664 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 25 Township: 07.0S Range: 22.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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

TYPE OF SUBMISSION

- ☐ NOTICE OF INTENT — Approximate date work will start:
- ✓ SUBSEQUENT REPORT — Date of Work Completion: 9/30/2015
- ☐ SPUD REPORT — Date of Spud:
- ☐ DRILLING REPORT — Report Date:

TYPE OF ACTION

☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	✓ CONVERT WELL TYPE
☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	✓ RECOMPLETE DIFFERENT FORMATION
☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

Please be advised that pursuant to Notice of Intent approved on May 12,2015, QEP Energy Company has recompleted the above captioned RW 13-25A injection well to an oil well. Please update the status of this well accordingly. This subsequent report will be accompanied by a well completion report.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
October 19, 2015

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Laura Abrams	303 260-6745	Sr. Regualtory Affairs Analyst

SIGNATURE	DATE
N/A	10/1/2015

RECEIVED: Oct. 01, 2015

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

AMENDED REPORT ☐ (highlight changes)

FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0561

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME: Redwash

8. WELL NAME and NUMBER: RW 13-25A

9. API NUMBER: 4304733575

10 FIELD AND POOL, OR WILDCAT: Redwash

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSW 25 7S 22E S

12. COUNTY: Uintah

13. STATE: UTAH

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

b. TYPE OF WORK: NEW WELL ☐ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER Conversion

2. NAME OF OPERATOR: QEP Energy Company

3. ADDRESS OF OPERATOR: 11002 East 17500 South CITY Vernal STATE UT ZIP 84078

PHONE NUMBER: (303) 260-6745

4. LOCATION OF WELL (FOOTAGES)

AT SURFACE: 1446' FSL, 664' FWL

AT TOP PRODUCING INTERVAL REPORTED BELOW: 1446' FSL, 664' FWL

AT TOTAL DEPTH: 1446' FSL, 664' FWL

14. DATE SPUDDED: 10/18/2000

15. DATE T.D. REACHED: 11/25/2000

16. DATE COMPLETED: 9/30/2015 ABANDONED ☐ READY TO PRODUCE ☑

17. ELEVATIONS (DF, RKB, RT, GL): 5501'

18. TOTAL DEPTH: MD 5,191 TVD 5,191

19. PLUG BACK T.D.: MD TVD

20. IF MULTIPLE COMPLETIONS, HOW MANY? *

21. DEPTH BRIDGE PLUG SET: MD 5,613 TVD 5,613

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)

None

23.
WAS WELL CORED? NO ☐ YES ☑ (Submit analysis)
WAS DST RUN? NO ☐ YES ☑ (Submit report)
DIRECTIONAL SURVEY? NO ☐ YES ☑ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
No change									

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2.875	5,887							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) Green River	5,149	5,191	5,149	5,191
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)		SIZE	NO. HOLES	PERFORATION STATUS
5,149	5,155	0.37	18	Open ☑ Squeezed ☐
5,185	5,191	0.37	18	Open ☑ Squeezed ☐
				Open ☐ Squeezed ☐
				Open ☐ Squeezed ☐

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

WAS WELL HYDRAULICALLY FRACTURED? YES ☐ NO ☑ IF YES -- DATE FRACTURED:

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL

29. ENCLOSED ATTACHMENTS:

☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER:

30. WELL STATUS: PR

(5/2013)

(CONTINUED ON BACK)

RECEIVED: Oct. 12, 2015

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
10/30/2015				24			0	0	974	
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
		0			0		0	0	974	

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

33. SUMMARY OF POROUS ZONES (Include Aquifers):

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

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				Green River	3,110
				Mahogany	4,046

35. ADDITIONAL REMARKS (Include plugging procedure)

The RW 13-25A was converted from an injection well to an oil well on 9/30/15 per NOI sundry notice approved on 5/12/15.

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

NAME (PLEASE PRINT) Laura Abrams TITLE Sr. Regulatory Affairs Analyst

SIGNATURE Laura Abrams DATE 10/12/2015

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

(5/2013)

RECEIVED: Oct. 12, 2015

RWU 13-25A

Well Name	Primary Job Type	AFE Number	Start Date	Job End Date
RWU 13-25A	AFE -PLG (Plug and Abandon)	PLG-00216	9/28/2015	10/6/2015
RIG	**Rig Type**		**Initial Rig Pick Up**	**Rig Release Date**
BASIN WELL SERVICE 3			9/28/2015	10/5/2015

RPT #	End Date	DFS - Manual	Cal Rig Days (days)	Cum Time Log (days)	DFS (days)	End Depth (ft, KB)	Current Ops	Summary	Time Log Hrs (hr)
1	9/29/2015 06:00		1	0.40	0.40	0.0	Road rig to location	9/28/2015: Road rig 4 miles, MIRU, ND well head. NU bop's. POOH and talley w/181 jts , SWIFN.	9.50
2	9/30/2015 06:00		2	0.90	0.90	0.0	RU W.L	9/29/2015: RU W.L. RIH w/gauge ring to 5700', RIH w/Gyro from surface to 5800', Set CIBP @ 5613' POOH w/W.L., Pressure test casing and MIT to 1100# psi. Good test. RIH wand shot Perfs @ 5191-85, 5155-49' , RD W.L., RIH w/5 1/2 HD PKR and tbg , Set PKR @ 5098', Pressure test tbg to 3500# psi. Pressure test casing to 1100#psi. Retrieve standing valve. Fill tbg w/2 bbl's' Break perf's down w/3300# psi. injection rate of 3bbl's per min at 1200# psi. SWIFN	12.00
3	10/1/2015 06:00		3	1.52	1.52	0.0	RU Weatherford	9/30/2015: RU Weatherford, Pump acid frac. as per design, Final ISIP= 940#psi. 30 min =0# psi. RD Weatherford, RU swab, Make 34 swab runs, Last run damage sand line repair sand line.	15.00

RECEIVED: Oct. 12, 2015

Perforations

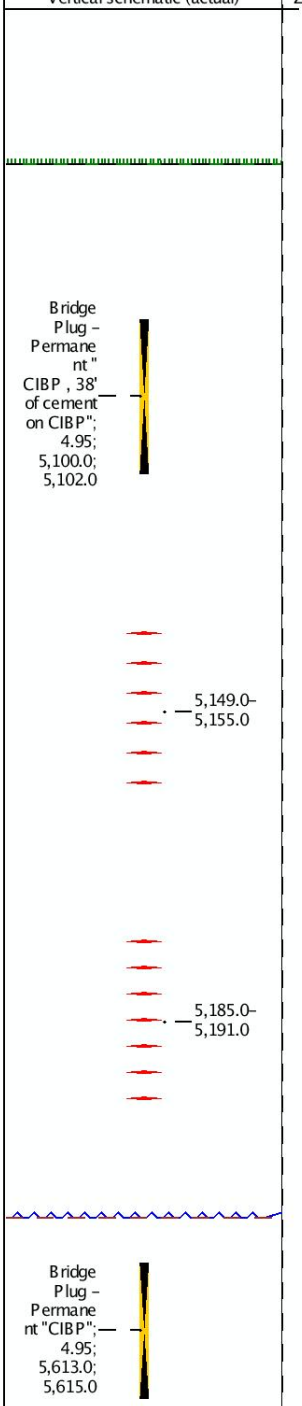
Well Name: RWU 13-25A

API	Surface Legal Location	Field Name	County	State	Well Configuration Type
43-047-33575	S 25-T7S-R22E	RED WASH	UINTAH	UTAH	Vertical

Unique Well ID	Gr Elev (ft)	Current Elevation	KB to CF (ft)	Spud Date	Dry Hole TD Date	Total Depth (All) (ft, KB)
UT102507	5,501	5,516.00, <elvothernote>	15.00	10/18/2000 12:00	11/25/2000 12:00	

Vertical - ORIGINAL HOLE, 10/9/2015 9:02:55 AM

Vertical schematic (actual) | Zone (Completion Interval)



Perforations

Date	Linked Zone	Top Depth (ft, KB)	Bottom Depth (ft, KB)
9/29/2015		5149	5155

Perforation Company	Conveyance Method	Gun Size (in)	Carrier Make
		3 1/8	

Shot Density (shots/ft)	Charge Type	Phasing (°)
3.0		120

Orientation	Orientation Method

Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)
				0.00	0.00

Reference Log

Perforation Statuses

Date	Status	Com

Date	Linked Zone	Top Depth (ft, KB)	Bottom Depth (ft, KB)
9/29/2015		5185	5191

Perforation Company	Conveyance Method	Gun Size (in)	Carrier Make
		3 1/8	

Shot Density (shots/ft)	Charge Type	Phasing (°)
3.0		120

Orientation	Orientation Method

Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)
				0.00	0.00

Reference Log

Perforation Statuses

Date	Status	Com

RECEIVED: Oct. 12, 2015

FIELD: Red Wash | GL: 5504 ' | KBE: 5519 ' | Start Date: | Finish Date: 04/02/2001

Well: RWU #13-25A | TD: 6055 ' | PBTD: 6021 ' | Current Well Status: Water Injection Well

Location:
NW¼SW¼ S25-T7S-R22E
Uintah County, Utah

API # 43-047-33575
EPA# UT2925-04648

Reason for Pull/Workover:
Recomplete

Wellbore Schematic

Surface casing
Size 9 5/8"
Weight 36#
Grade J-55
Cmtd w/ 175 sxs
Set @ 482'
Hole size 12¼"

TOC @ 2570 '

EXCLUDED PERFS

OPEN PERFS

5149-5155'

5185-5191'

CIBP @ 5,600'

5681'-5691' Gw4 sqzd w/ 75 sxs

5759'-5765' Lu6 sqzd w/ 75 sxs

5873'-5876' Mesa sqzd w/ 75 sxs

F nipple @ 5880 '
Packer @ 5,888 '

5907'-5909' Mesa

5924'-5928' Mesa
5929'-5933' Mesa

Production casing
Size 5 1/2", 15½#, J-55
Cmtd w/ 800 sxs
Set @ 6055'
Hole size 7 7/8"

Orig PBTD @ 6021 '
TD @ 6055 '

Tubing Landing Detail:

Description	Size	Footage	Depth
KB to Tbg Head		15.00	15.00
181 jts 2 7/8" tubing	2 7/8"		
x-over	2 7/8"		
F nipple	2 3/8"		5,880.00
Arrowset I packer w/ 27K# comp	2 3/8"		5,888.00
EOT			5,888.00

Tubing Information
Condition:
New: ____ Used: ____ Rerun: X
Grade: J-55
Weight (#/ft): 6.5
Sucker Rod Detail:
Size | Rods | Rod Type

Rod Information
Condition:
New: ____ USED ____ RERUN ___
Grade: ____
Manufacturer: ____

Pump Information:
API Designation
Example:
Pump SN#: ____ Original Run Date: ____
Rerun: ____ New Run: ____ Rebuild: ____

ESP Well
Cable Size: ____
Pump Intake @ ____
End of Pump @ ____

Flowing Well
"R" NIPPLE ____
PKR @ ____
EOT @ ____

Wellhead Detail:
7 1/16" 2000#
7 1/16" 3000# X
7 1/16" 5000#
Other:
Tbg Hanger Type: Donut: ____ Bonnet: ____

SUMMARY

Safety meeting on W.L, Check pressures, SICP = 0# psi.
RU Cutters, W.L. , RIH w/ 4.65" Gauge ring to 5700', POOH, RIH w/ Gyro tools, Survey from surface to 5800', POOH w/ survey tool's, RIH w/ CIBP and Set @ 5613' Per Computalog CBL Dated 12-15-00
Fill casing w/ 12 bbl's -2% KCL. Pressure test casing to 1100# psi. Good test. Bleed off, perform MIT to 1100#psi. Held for 30 min's Good test.
RIH w/ 3 1/8 gun w/ 3 Spf, @ 120degree phase. Shot Perfs @ 5191-85' and 5155'-49' Per computalog CBL Dated 12-15-00. POOH . RD W.L.
RIH w/ 5 1/2 HD PKR, X-O, SN w/ Standing valve in place. and 157 jts of 2 7/8 J-55 tbg. Pressure test tbg half way and at bottom to 3500# psi. Both Good test. Set PKR @ 5098' Pressure test casing to 1100# psi. Good test. Retrieve standing valve. Fill tbg w/ 2 bbl's - 2% KCL , Break down perf's w/ 3300# psi. Get injection Rate of 3 bbl's per min w/ 1200# psi. Bleed well down. SWIFN.

Prepared By: J White | Date: 5/4/2015

RECEIVED: Oct. 12, 2015

FORM 9

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

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-0561

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: RED WASH

1. TYPE OF WELL Water Injection Well

8. WELL NAME and NUMBER: RW 13-25A

2. NAME OF OPERATOR: QEP ENERGY COMPANY

9. API NUMBER: 43047335750000

3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078

PHONE NUMBER: 303 595-5919 Ext

9. FIELD and POOL or WILDCAT: RED WASH

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1446 FSL 0664 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 25 Township: 07.0S Range: 22.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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

TYPE OF SUBMISSION

- ☐ NOTICE OF INTENT — Approximate date work will start:
- ✓ SUBSEQUENT REPORT — Date of Work Completion: 10/7/2015
- ☐ SPUD REPORT — Date of Spud:
- ☐ DRILLING REPORT — Report Date:

TYPE OF ACTION

☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
☐ OPERATOR CHANGE	✓ PLUG AND ABANDON	☐ PLUG BACK
☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

Please be advised that on October 7, 2015 QEP Energy Company plugged the above captioned RW 13-25A well per the attached procedure. A re-verification of latitude and longitude coordinates are as follows: Lat: 40.179167 Long: -109.395278 Please update the status of this well accordingly.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
October 13, 2015

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Laura Abrams	303 260-6745	Sr. Regualtory Affairs Analyst

SIGNATURE	DATE
N/A	10/13/2015

RECEIVED: Oct. 13, 2015

FIELD: Red Wash | GL: 5504 ' KBE: 5519 ' | Start Date: Finish Date:04/02/2001

Well: RWU #13-25A | TD: 6055 ' PBTD: 6021 ' | Current Well Status:

Location:
NW¼SW¼ S25-T7S-R22E API# 43-047-33575
Uintah County, Utah EPA# UT2925-04648

Wellbore Schematic

Surface casing
Size 9 5/8"
Weight 36#
Grade J-55
Cmtd w/ 175 sxs
Set @ 482'
Hole size 12¼"

190 sx

TOC @ 2570 '

EXCLUDED PERFS

OPEN PERFS

30 sx

GR top @ 3080'

Mahogany Marker @ 4059'

CIBP @ 5,100' w/ 35' CMT

5149-5155'

5185-5191'

CIBP @ 5,600'

5681'-5691' Gw4 sqzd w/ 75 sxs

5759'-5765' Lu6 sqzd w/ 75 sxs

5873'-5876' Mesa sqzd w/ 75 sxs

F nipple @ 0 '
Packer @ 0 '

5907'-5909' **Mesa**

5924'-5928' **Mesa**
5929'-5933' **Mesa**

Production casing
Size 5 1/2", 15½#, J-55
Cmtd w/ 800 sxs
Set @ 6055'
Hole size 7 7/8"

Orig PBTD @ 6021 '
TD @ 6055 '

Reason for Pull/Workover:
P&A

Tubing Landing Detail:

Description	Size	Footage	Depth

Condition:
New: Used: Rerun: X
Grade:
Weight (#/ft):

Sucker Rod Detail:

Size	Rods	Rod Type

Rod Information
Condition:
New: USED RERUN
Grade:
Manufacturer:

Pump Information:
API Designation
Example:
Pump SN#: Original Run Date:
Rerun: New Run: Rebuild:

ESP Well
Cable Size:
Pump Intake @
End of Pump @

Flowing Well
"R" NIPPLE
PKR @
EOT @

Wellhead Detail:
7 1/16" 2000#
7 1/16" 3000# X
7 1/16" 5000#
Other:
Tbg Hanger Type: Donut: Bonnet:

SUMMARY

MIRU
NDWH NUBOP
Release 5 1/2 HD Pkr, POOH w/ 157 jts of 2 7/8 J-55 tbg. SN, X-O, 5 1/2 HD Pkr.
RU Cutter W.L. , RIH w/ CIBP, Set @ 5100' per Comptalog CBL Dated 12/15/00, Make 2 dump bail runs for 35' of cement on plug, RIH w/ WT. bars, Tag cement@ 5062' = 38' of cement on plug. Note all witness by BLM rep. RD W.L.
RIH w/ 82 jts of 2 7/8 J-55 tbg. LD 82 - jts, Talley and RIH w/ 98 Jts of 2 7/8 J-55 tbg w/ EOT @ 3184' SWIFN.
RU Propetro, Pump 30 sxs G cement. balance plug from 3180' to 2980' Displace w/ 16.7 bbl's, POOH and LD w/ 18 jts of 2 7/8 J-55 tbg. Reverse circulate tbg clean w/ 23 bbl's . POOH and LD 80 jts of 2 7/8 J-66 tbg.
RU Cutter's W.L. RIH and perf holes @ 534', POOH. RD W.L.
RD floor and tbg equipment. ND Bop's, NU well head.
Fill Hole w/ 18 bbl's -treat 2% KCL water. Pump 5 bbl's fresh water. Pump 250 sxs of Class G- cement to get to surface. SWI. RD Propetro.
Rack out equipment. RDMO.

10/6/15: B & B Roustabout, Dig 3' below well. Cut surface csg. and production csg. Cement is at surface . Weld cap on csg.

Prepared By: M. Sikes Date: 10/9/2015

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