

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

**SUBMIT IN TRIPLICATE\***  
(Other instructions on reverse side)

**FORM APPROVED**  
OBM NO. 1004-0138  
Expires February 28, 1998

<b>APPLICATION FOR PERMIT TO DRILL OR DEEPEN</b>			5. LEASE DESIGNATION AND SERIAL NO. <p align="center">U-02030</p>		
1a. TYPE OF WORK <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME <p align="center">N/A</p>		
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			7. UNIT AGREEMENT NAME <p align="center">RED WASH</p>		
2. NAME OF OPERATOR <b>Shenandoah Energy Inc.</b>			8. FARM OR LEASE NAME, WELL NO. <p align="center">33U-19B</p>		
3. ADDRESS AND TELEPHONE NO. Phone: 435-781-4341      11002 East 17500 South Fax: 435-781-4329      Vernal, Utah 84078			9. API WELL NO.		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface <b>1890' FEL, 2550' FSL, NWSE</b> At proposed prod. Zone <b>Same</b> <p align="center" style="font-size: 1.2em;">4450352 N 639046 E</p>			10. FIELD AND POOL, OR WILDCAT <p align="center">RED WASH</p>		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* <b>3 miles West of Redwash Utah</b>			11. SEC., T., R., M., OR BLK AND SURVEY OR AREA <p align="center"><b>Sec. 19, T7S, R23E SLB&amp;M</b></p>		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. Unit line if any) <b>1890' ±</b>		16. NO. OF ACRES IN LEASE <b>1875.8</b>	17. NO. OF ACRES ASSIGNED TO THIS WELL <b>40</b>		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. <b>75' ±</b>		19. PROPOSED DEPTH <b>3200'</b>	20. ROTARY OR CABLE TOOLS <p align="center">Rotary</p>		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5466.9' GR</b>			22. APPROX. DATE WORK WILL START* <p align="center">A.S.A.P</p>		
<b>PROPOSED CASING AND CEMENTING PROGRAM</b>					
23	SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
	12 1/4"	K55 9 5/8" LT&C	38#	480'	160 sx - Class "G"
	7 7/8"	J55 4 1/2" LT&C	11.6#	3200'	335 sx - Class "G"

Shenandoah Energy Inc. proposes to drill a well to 3200' to test the Uintah "B". 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 the Standard Operating Procedures for the Red Wash Unit.

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. 0869. 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 John Busch      TITLE Red Wash Operations Representative      DATE 8/16/00

(This space for Federal or State office use)  
PERMIT NO. 43047-33654      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      DATE 8/30/00  
**BRADLEY G. HILL**  
**RECLAMATION SPECIALIST III**

\*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.

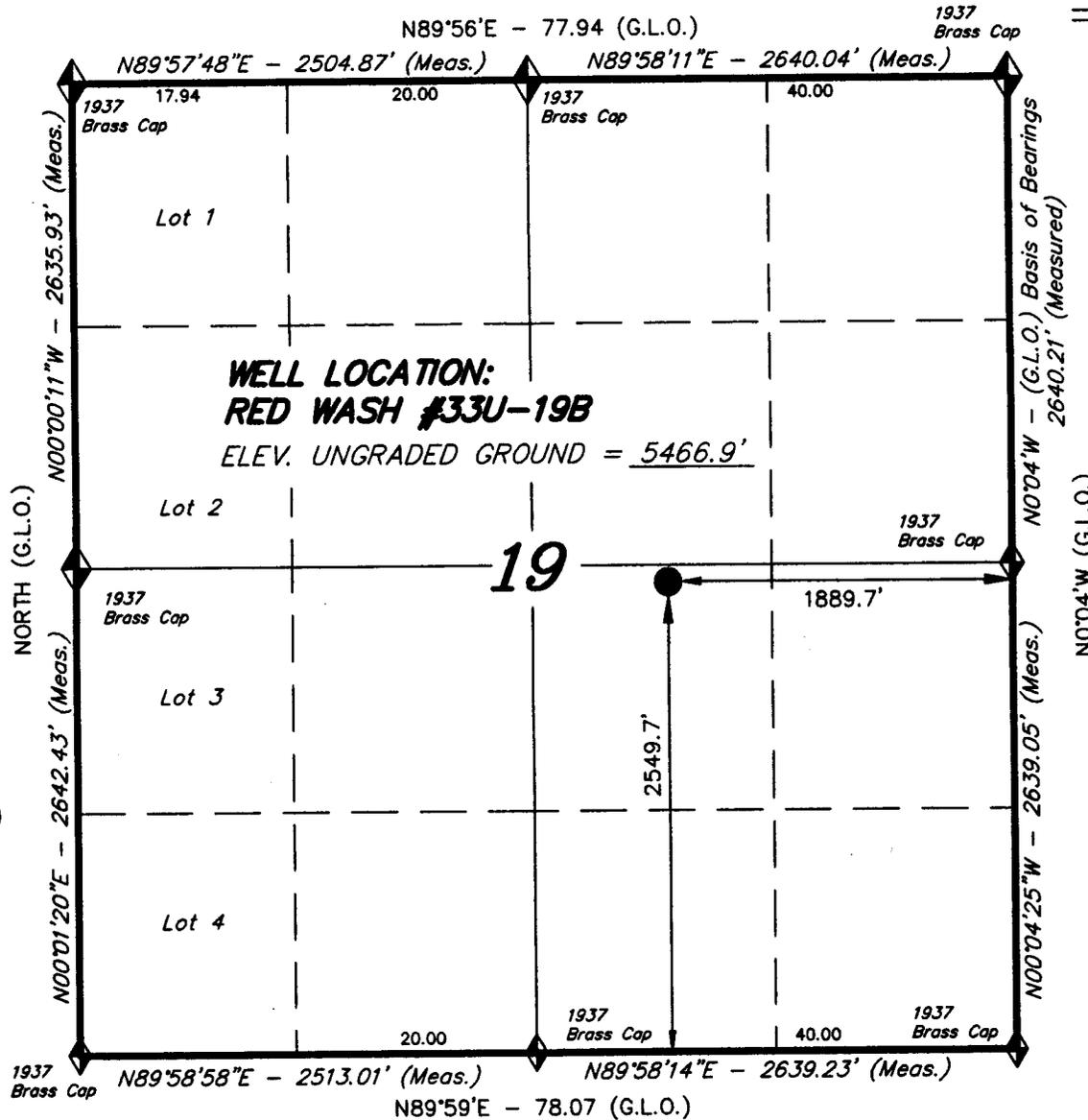
*Federal Approval of this Action is Necessary*

**RECEIVED**  
AUG 22 2000  
DIVISION OF  
OIL, GAS AND MINING

# T7S, R23E, S.L.B.&M.

**SHENANDOAH ENERGY, INC.**

WELL LOCATION, RED WASH #33U-19B,  
 LOCATED AS SHOWN IN THE NW 1/4 SE 1/4  
 OF SECTION 19, T7S, R23E, S.L.B.&M.  
 UINTAH COUNTY, UTAH.

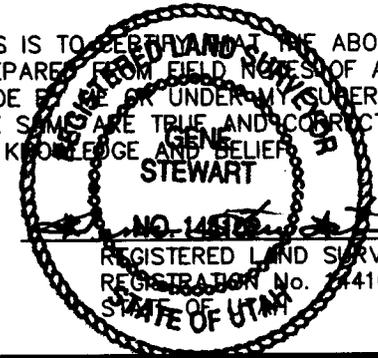


**RECEIVED**

AUG 22 2000

DIVISION OF  
 OIL, GAS AND MINING

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



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

SCALE:	1" = 1000'	SURVEYED BY:	C.D.S.
DATE:	8-16-00	WEATHER:	HOT
DRAWN BY:	J.R.S.	FILE #	

◆ = SECTION CORNERS LOCATED  
 BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (RED WASH)

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:

<u>Formation</u>	<u>Depth</u>	<u>Prod. Phase Anticipated</u>
Uinta	Surface	
Green River	3078'	
TD (Uintah)	3200'	Gas

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:

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
Oil/Gas	Uintah	3200'

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 1280.0 psi.

4. Surface Ownership

The well pad and access road are located on lands owned by the Federal Government.

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AUG 22 2000

DIVISION OF  
OIL, GAS AND MINING

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

SHENANDOAH ENERGY INC.  
RED WASH #33U-19B  
NWSE, SEC. 19, T7S, R23E, SLB&M  
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

\*The proposed pipeline will follow the existing route authorization then tie into our 8" surface line.

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OIL, GAS AND MINING

**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.

John Busch

John Busch  
Red Wash Operations Representative

August 16, 2000

Date

**RECEIVED**

AUG 22 2000

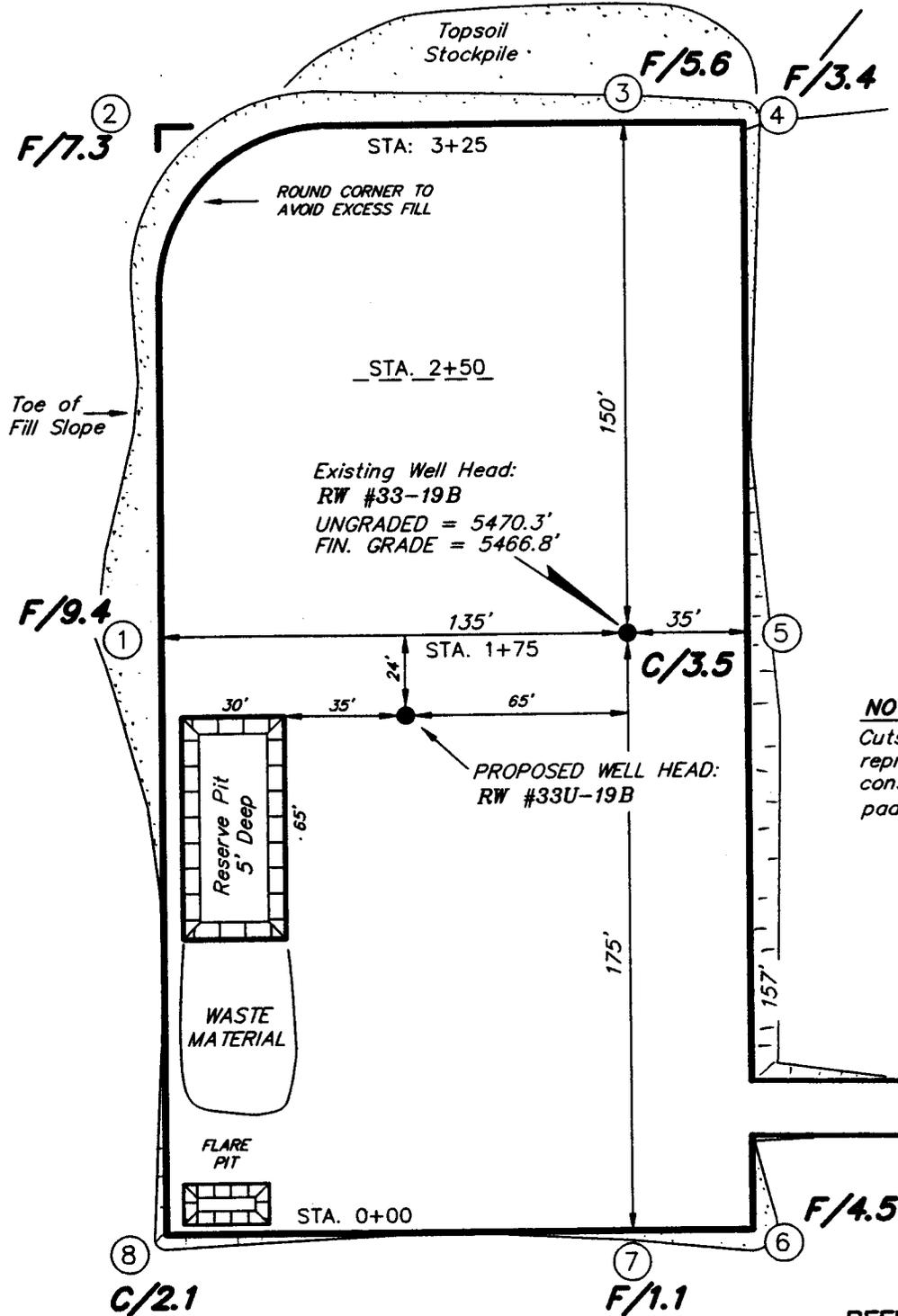
DIVISION OF  
OIL, GAS AND MINING

# SHENANDOAH ENERGY, INC.

**RED WASH #33U-19B**  
 SEC. 19, T7S, R23E, S.L.B.&M.

PIPELINE →

PREVAILING WIND ↗



Existing Well Head:  
 RW #33-19B  
 UNGRADED = 5470.3'  
 FIN. GRADE = 5466.8'

PROPOSED WELL HEAD:  
 RW #33U-19B

**NOTE:**

Cuts, Fills and related notation represent information furnished for construction of the existing well pad (RW #33-19B).

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 OIL, GAS AND MINING

Existing Access  
 Road

**REFERENCE POINTS**

145' NORTHEAST = 5476.3'  
 195' NORTHEAST = 5471.8'

SURVEYED BY: D.S.	SCALE: 1" = 50'
DRAWN BY: J.R.S.	DATE: 8-18-00

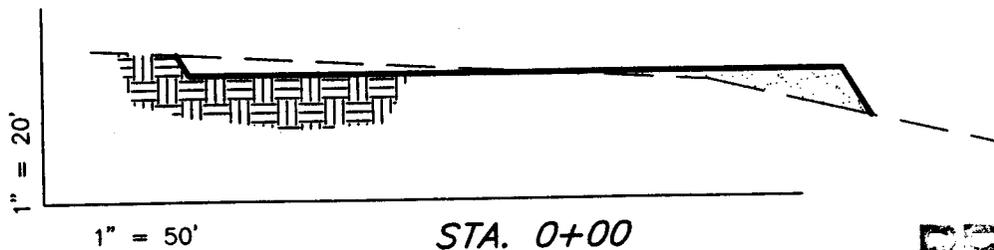
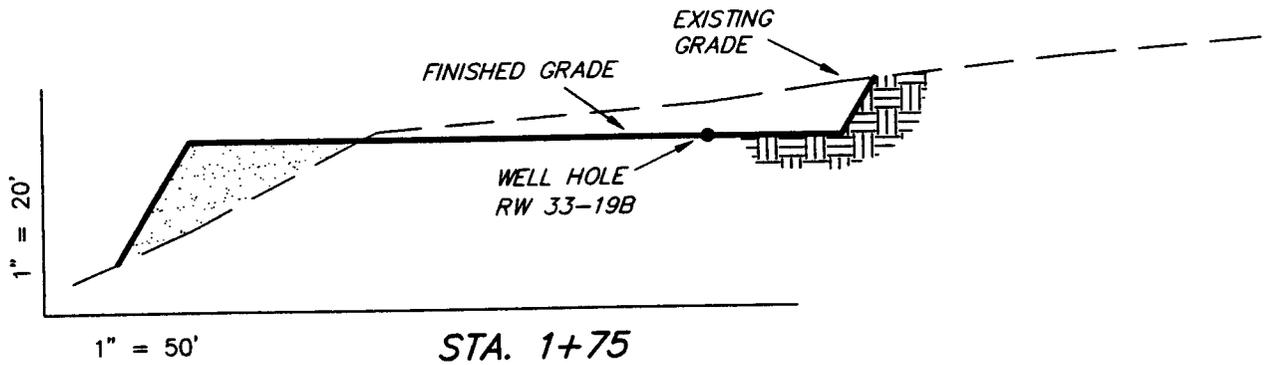
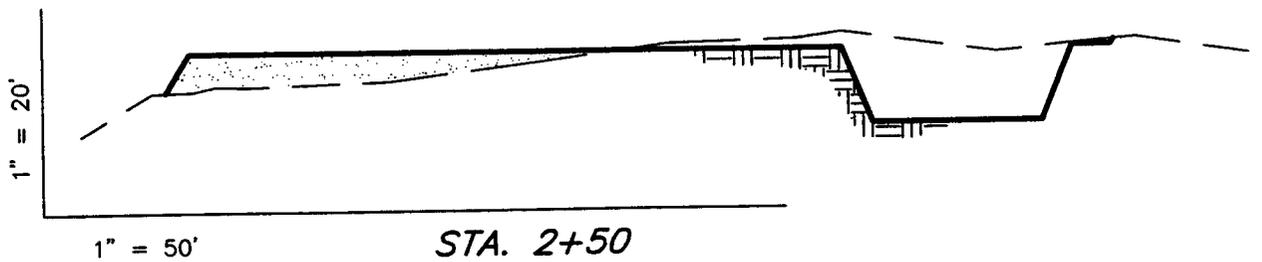
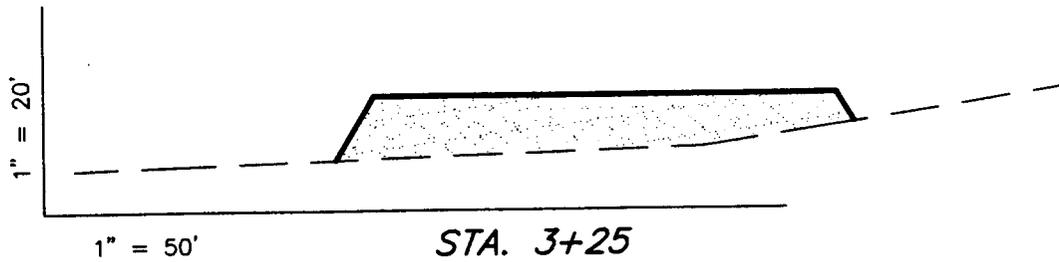
(435) 781-2501

**Tri State**  
 Land Surveying, Inc.  
 38 WEST 100 NORTH VERNAL, UTAH 84078

SHENANDOAH ENERGY, INC.

CROSS SECTIONS

RED WASH #33U-19B



APPROXIMATE YARDAGES

CUT = N/A  
 FILL = N/A  
 PIT = 280 Cu. Yds.  
 6" TOPSOIL = 1,200 Cu. Yds.

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AUG 22 2000

DIVISION OF  
OIL, GAS AND MINING

SURVEYED BY: D.S.

SCALE: 1" = 50'

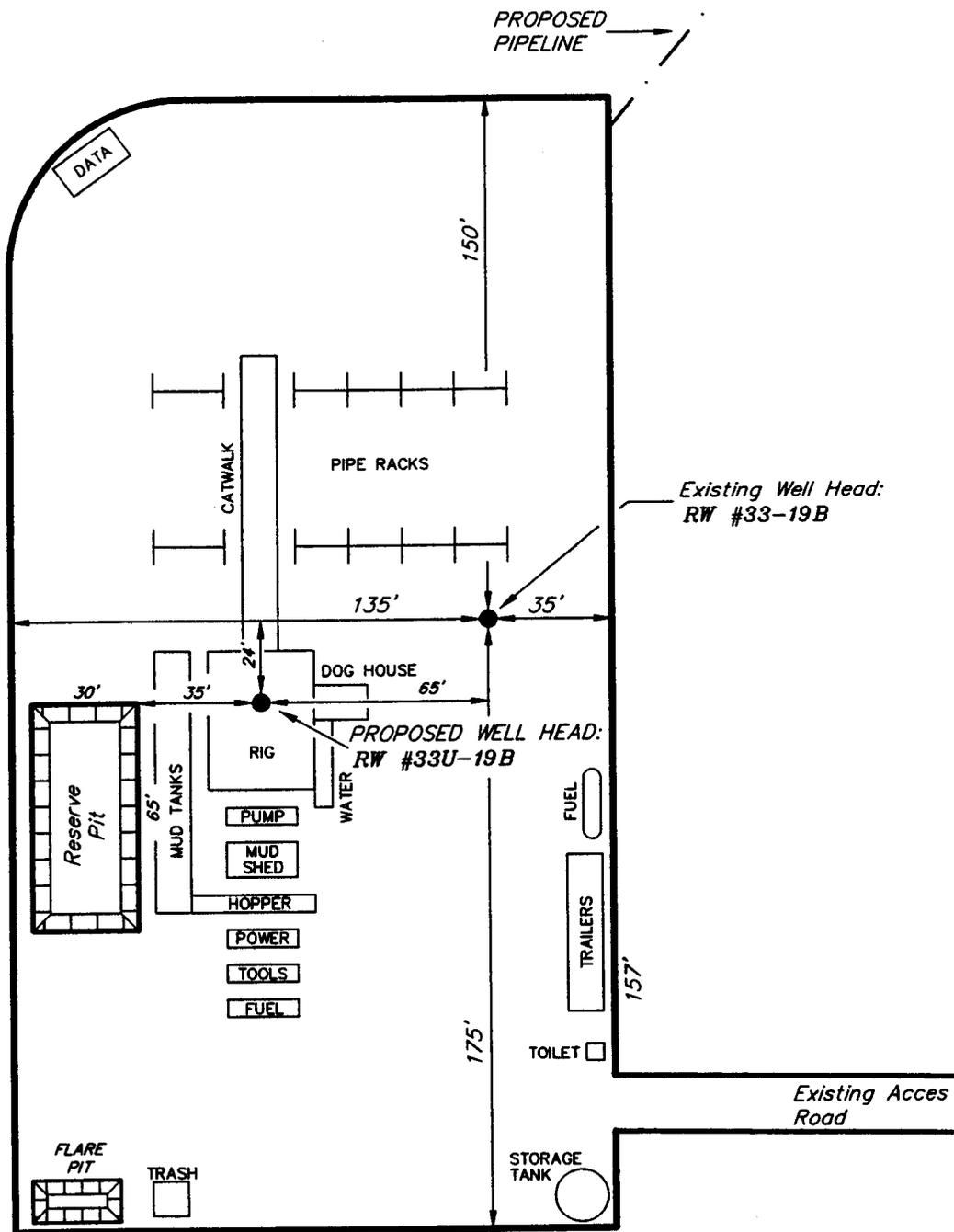
DRAWN BY: J.R.S.

DATE: 8-18-00

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

SHENANDOAH ENERGY, INC.

TYPICAL RIG LAYOUT  
RED WASH #33U-19B



RECEIVED

AUG 22 2000

DIVISION OF  
OIL, GAS AND MINING

**Tri State**  
Land Surveying, Inc.  
(801) 781-2501  
38 WEST 100 NORTH, VERNAL, UTAH 84078



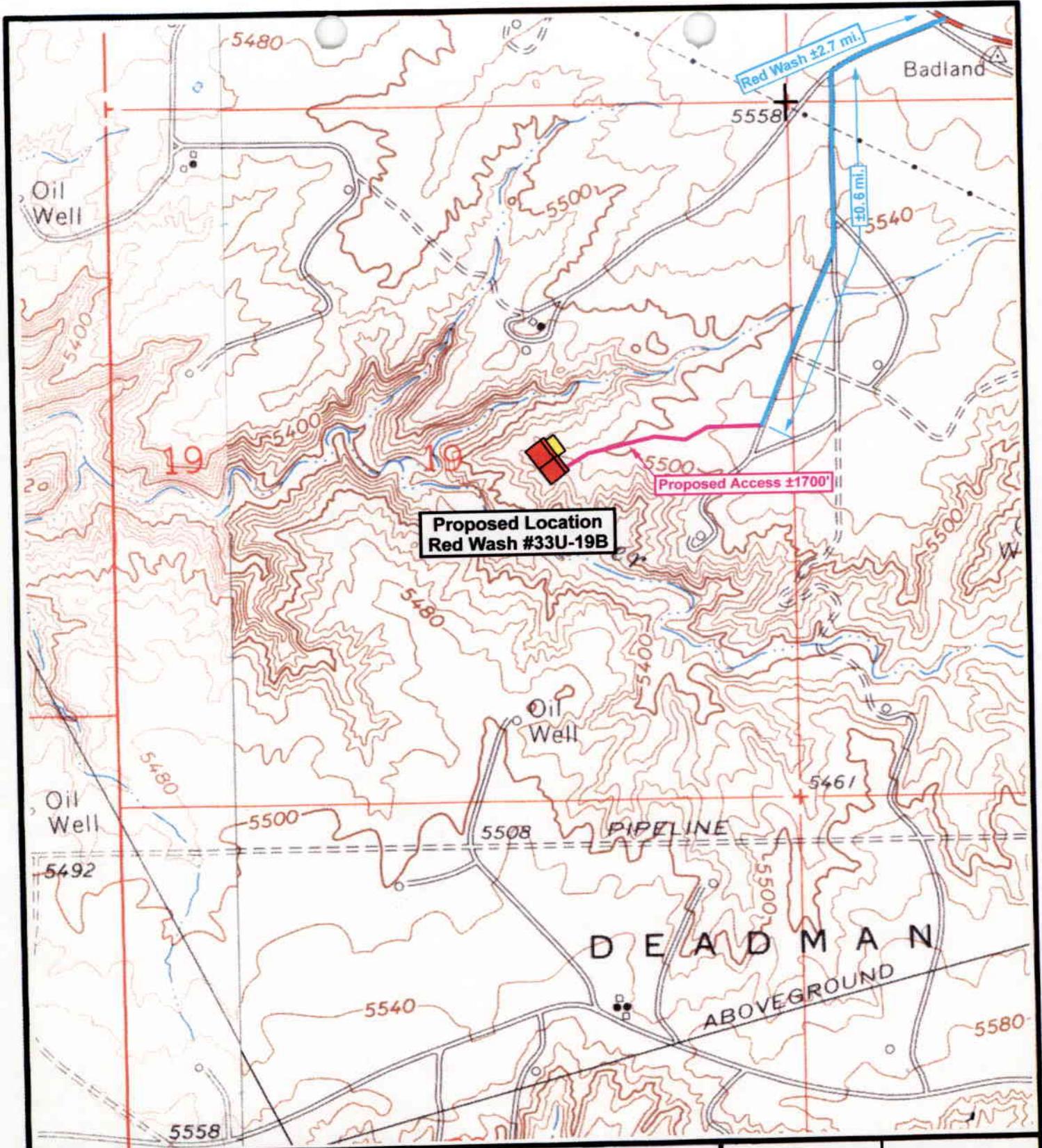
**Proposed Location  
Red Wash #33U-19B**

**Proposed Access (see topo B)**

**SHENANDOAH ENERGY INC.**  
**RED WASH #33U-19B**  
**SEC. 19, T7S, R23E, S.L.B.&M.**  
**TOPOGRAPHIC MAP "A"**



Drawn By: SS	Revision:
Scale: 1" = 4000'	File:
Date: 8-16-00	
<b>Tri-State Land Surveying Inc.</b> <b>P.O. Box 533, Vernal, UT 84078</b> <b>435-781-2501 Fax 435-781-2518</b>	



**SHENANDOAH ENERGY INC.**  
**RED WASH #33U-19B**  
**SEC. 19, T7S, R23E, S.L.B.&M.**  
**TOPOGRAPHIC MAP "B"**



Drawn By: SS

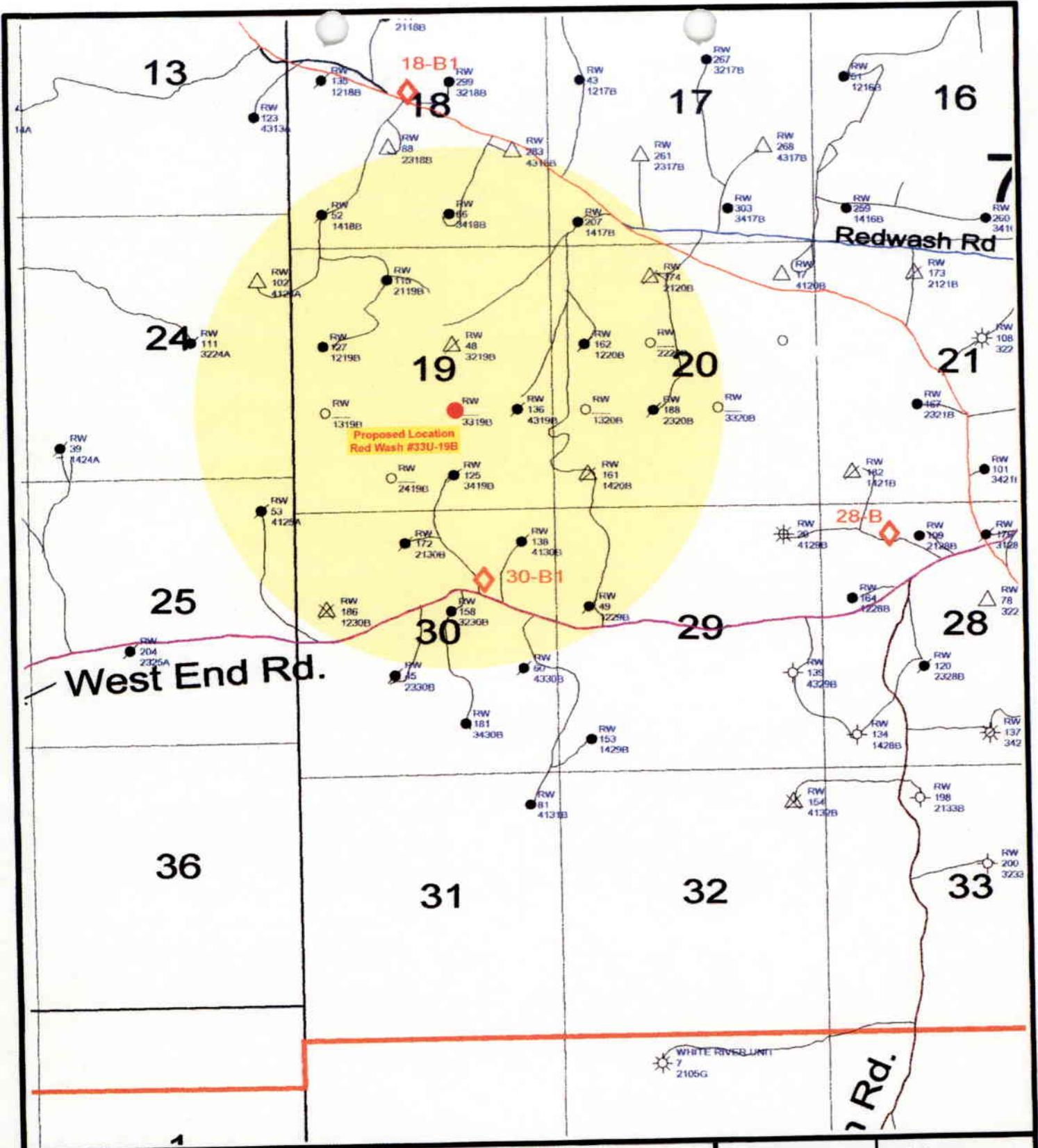
Revision:

Scale: 1" = 1000'

File:

Date: 8-16-00

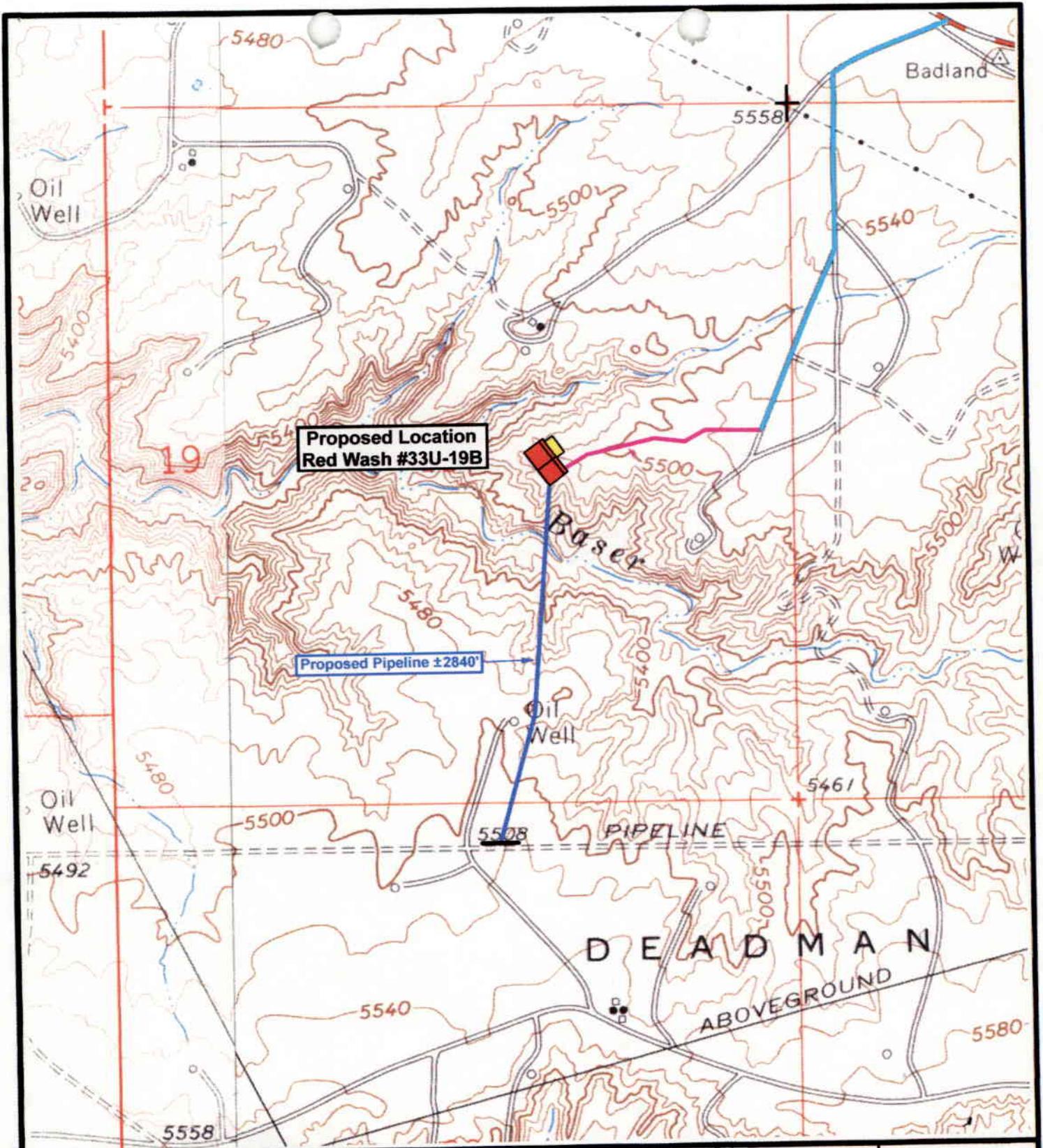
**Tri-State Land Surveying Inc.**  
**P.O. Box 533, Vernal, UT 84078**  
**435-781-2501 Fax 435-781-2518**



**SHENANDOAH ENERGY INC.**  
**RED WASH #33U-19B**  
**SEC. 19, T7S, R23E, S.L.B.&M.**  
**TOPOGRAPHIC MAP "C"**



Drawn By: SS	Revision:
Scale: 1" = 2640'	File:
Date: 8-16-00	
<b>Tri-State Land Surveying Inc.</b> <b>P.O. Box 533, Vernal, UT 84078</b> <b>435-781-2501 Fax 435-781-2518</b>	



**SHENANDOAH ENERGY INC.**  
**RED WASH #33U-19B**  
**SEC. 19, T7S, R23E, S.L.B.&M.**  
**TOPOGRAPHIC MAP "D"**



Drawn By: SS	Revision:
Scale: 1" = 1000'	File:
Date: 8-18-00	
<b>Tri-State Land Surveying Inc.</b> <b>P.O. Box 533, Vernal, UT 84078</b> <b>435-781-2501 Fax 435-781-2518</b>	

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 08/22/2000

API NO. ASSIGNED: 43-047-33654

WELL NAME: RWU 33U-19B  
 OPERATOR: SHENANDOAH ENERGY INC ( N4235 )  
 CONTACT: JOHN BUSCH

PHONE NUMBER: 435-781-4341

PROPOSED LOCATION:  
 NWSE 19 070S 230E  
 SURFACE: 2550 FSL 1890 FEL  
 BOTTOM: 2550 FSL 1890 FEL  
 UINTAH  
 RED WASH ( 665 )

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1-Federal  
 LEASE NUMBER: U-02030  
 SURFACE OWNER: 1-Federal

PROPOSED FORMATION: UNTA

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

LOCATION AND SITING:  
 \_\_\_ R649-2-3. Unit \*Red Wash / Non P.A.  
 \_\_\_ R649-3-2. General  
 Siting: \_\_\_\_\_  
 R649-3-3. Exception  
 \_\_\_ Drilling Unit  
 Board Cause No: \_\_\_\_\_  
 Eff Date: \_\_\_\_\_  
 Siting: \_\_\_\_\_  
 \_\_\_ R649-3-11. Directional Drill

COMMENTS: Need add'l info "Ev. Loc." (Rec'd 8-28-2000)  
Red Wash SOP, separate file.

STIPULATIONS: ① FEDERAL APPROVAL



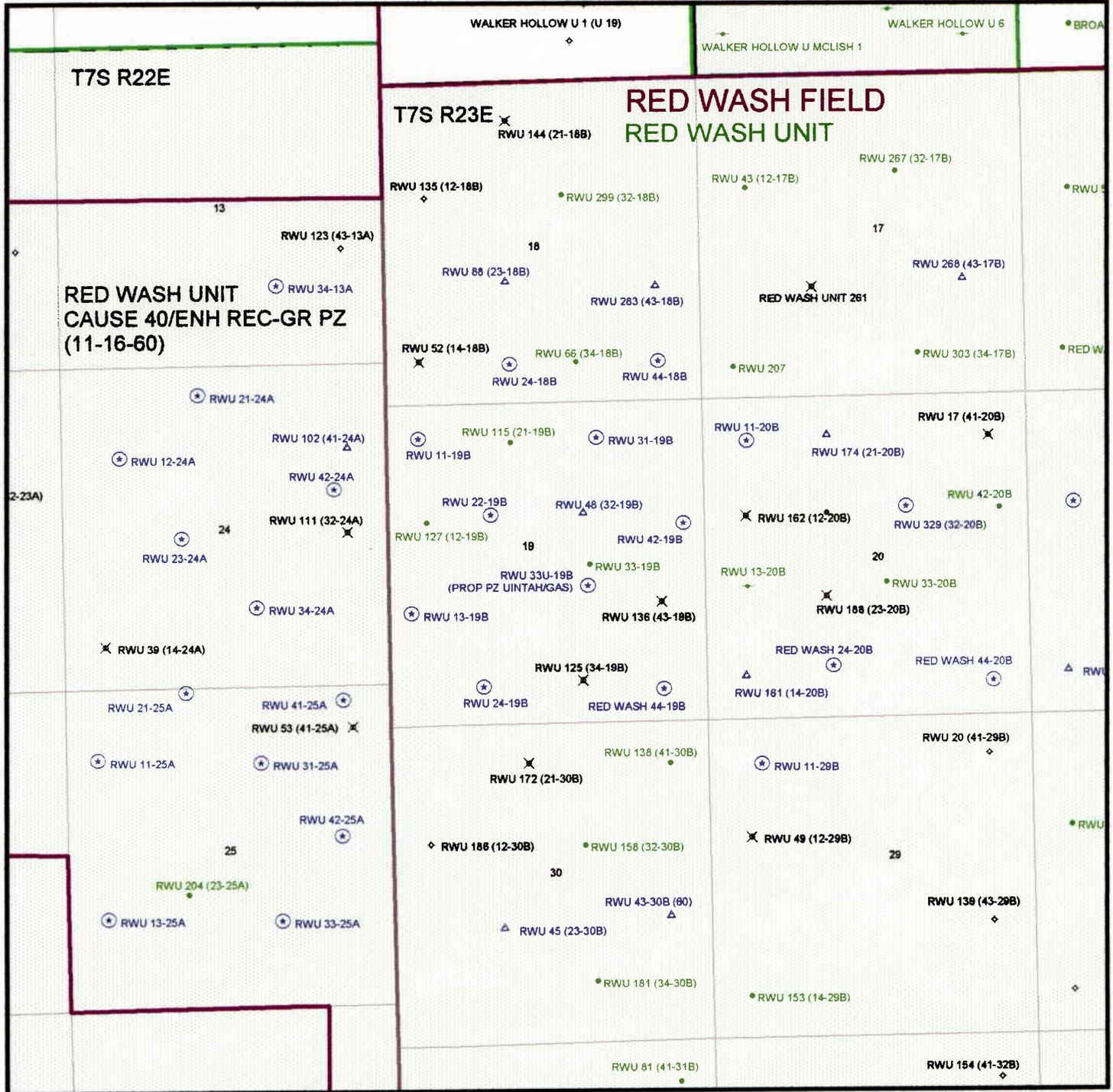
Utah Oil Gas and Mining

OPERATOR: SHENANDOAH ENERGY (N4235)

FIELD: RED WASH (665)

SEC. 19, T7S, R23E,

COUNTY: UINTAH UNIT: RED WASH  
SPACING: R649-3-3/EX LOC



# 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)

August 24, 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 calendar year 2000 within the Red Wash Unit, Uintah County, Utah.

Api Number	Well	Location
(Proposed Wasatch Completion)		
43-047-33150	RWU 14-27A	Sec. 27, T7S, R22E 660 FSL 659 FWL
(Proposed Uintah "B" Completion)		
43-047-33654	RWU 33U-19B	Sec. 19, T7S, R23E 2550 FSL 1890 FEL

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:8-24-0

# SHENANDOAH ENERGY INC.

---

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

August 24, 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 #33U-19B is an exception location due to severe topography to the South West of this location. This lease #(U-02030) 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 Raleen Searle @ (435) 781-4309.

Thank you,



Raleen Searle  
Administrative Assistant

**RECEIVED**

**AUG 28 2000**

**DIVISION OF  
OIL, GAS AND MINING**



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)

August 30, 2000

Shenandoah Energy Inc.  
11002 E 17500 S  
Vernal, UT 84078

Re: Red Wash Unit 33U-19B Well, 2550' FSL, 1890' FEL, NW SE, Sec. 19, T. 7 South, R. 23 East, Uintah County, Utah

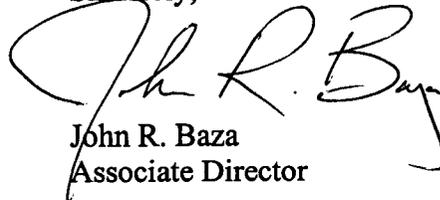
Gentlemen:

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.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby 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 43-047-33654.

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 33U-19B  
**API Number:** 43-047-33654  
**Lease:** U-02030

**Location:** NW SE      **Sec.** 19      **T.** 7 South      **R.** 23 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.

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AUG 21 2000

BLM VERNAL, UTAH

Form 3160-3  
(July 1992)

SUBMIT IN TRIPLICATE\*  
(Other instructions on  
reverse side)

FORM APPROVED  
GSM NO. 1054-0126  
Expires February 28, 1995

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL  DEEPEN

b. TYPE OF WELL

OIL WELL  GAS WELL  OTHER  SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
Shenandoah Energy Inc.

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface

1890' FEL, 2550' FSL, NWSE  
At proposed prod. Zone

Same

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

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

1890' ±

16. NO. OF ACRES IN LEASE

1875.8

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.

75' ±

19. PROPOSED DEPTH

3200'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DP, RT, GR, etc.)

5466.9' GR

22. APPROX. DATE WORK WILL START\*

A.S.A.P

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	K55 9 5/8" LY&C	36#	480'	160 sx - Class "G"
7 7/8"	J55 4 1/2" LY&C	11.6#	3200'	335 sx - Class "G"

Shenandoah Energy Inc. proposes to drill a well to 3200' to test the Uintah "B". 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 the Standard Operating Procedures for the Red Wash Unit.

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 John Busch TITLE Red Wash Operations Representative DATE 8/18/00

(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 these rights in the subject lease which would entitle the applicant to conduct operations thereon.  
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY Thomas A. Leary Assistant Field Manager  
TITLE Mineral Resources

DATE 9/21/00

\*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.

CONDITIONS OF APPROVAL ATTACHED

DIVISION OF OIL, GAS AND MINING

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Shenandoah Energy Inc.

Well Name & Number: RED WASH 33U-19B

API Number: 43-047-33654

Lease Number: U - 02030

Location: NWSE Sec. 19 T. 7S R. 23E

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.

OCT 02 2000

DIVISION OF  
OIL, GAS AND MINING

**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.

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## **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.

Blading is only authorized for the construction of new access roads and maintenance of existing roads. If any additional blading is needed then Shenandoah is required to consult with BLM for authorization and receive permission before blading.

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.

Shenandoah Energy shall proceed with the project but implement the following mitigating measures:

No pit liner will be required, however, a water truck will be stationed on the location to retrieve any fluids which may enter the pit.

No blading will be allowed on the surface pipeline.

No pipeline construction will be allowed when soils are muddy and rutting of soils becomes apparent from the use of vehicles. If rutting occurs, operations must cease until soils are dry or frozen.

Seeding may be required if surface damage is done during the pipeline construction.

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The pipe will be welded on the well location and the pipe dragged along the surface to the connection point with a CAT, backhoe, or grader. No other vehicles shall travel the pipeline route.

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

Fourwing saltbush	Atriplex canescens	4 lbs./acre
Shadscale	Atriplex confertifolia	3 lbs./acre
Needle and threadgrass	Stipa comata	3 lbs./acre
Western wheatgrass	Agropyron smithii	2 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 location after final abandonment could be completed by drilling the seed, broadcasting the seed and dragging the location 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.**

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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**

1. Type of Well  
Oil Gas  
 Well  Well  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)

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

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Confidential</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(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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OCT 11 2000  
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.

WELL NAME      WELL LOCATION      1/4 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
Red Wash	2324A	NE SW	24	7S	22E	43-047-33568
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
Wonsits 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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OIL, GAS AND MINING

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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DIVISION OF  
OIL, GAS AND MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to deepen or reentry to a different reservoir  
Use "APPLICATION FOR PERMIT--" for such proposals

*SUBMIT IN TRIPLICATE*

1. Type of Well  
Oil  Gas   
Well  Well  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)  
**2550' FSL, 1890' FEL, NW SE, SECTION 19, T7S, R23E, SLBM**

**CONFIDENTIAL**

5. Lease Designation and Serial No.  
**U-02030**

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

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

8. Well Name and No.  
**RED WASH UNIT 33U-19B**

9. API Well No.  
**43-047-33654**

10. Field and Pool, or Exploratory Area  
**RED WASH - UINTAH**

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
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>SPUD DATE</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(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 WELL WAS SPUD OCTOBER 2, 2000. DRILL 458' OF 12 1/4" HOLE. RUN 451' OF 36# J55 9 5/8" CASING.**

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OCT 17 2000  
BUREAU OF LAND MANAGEMENT  
OIL, GAS AND MINERAL DIVISION

14. I hereby certify that the foregoing is true and correct.  
Signed D. C. BEAMAN *Doris C. Beaman* Title OFFICE MANAGER Date 10/13/00

(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.

OPERATOR: **Shenandoah Energy, Inc.**  
ADDRESS: **11002 East 17500 South  
Vernal, Utah 84078-8526**

OPERATOR ACCT. No. 4235  
  
(801)781-4300

ENTITY ACTION FORM - FORM 6

Action Code	Current Entity No.	New Entity No.	API Number	Well Name	QQ	SC	TP	RG	County	Spud Date	Effective Date
<b>A</b>	<b>99999</b>	<b>12930</b>	<b>43-047-33654</b>	<b>Red Wash Unit 33U-19B</b>	<b>NW SE</b>	<b>19</b>	<b>7S</b>	<b>23E</b>	<b>Uintah</b>	<b>10/02/00</b>	<b>10/2/00</b>

WELL 1 COMMENTS:  
New well drilled in the Red Wash Unit. *10-25-00*

**CONFIDENTIAL**

--	--	--	--	--	--	--	--	--	--	--	--

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)

*Doris C. Brown*  
Signature

Office Manager. 10/16/00  
Title Date

Phone No. (801) 781-4306

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

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DIVISION OF  
OIL, GAS AND MINING

**CONFIDENTIAL**

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**

1a. Type of Well:  Oil Well  Gas Well  Dry  Other  
 b. Type of Completion:  New Well  Workover  Deepen  Plug Back  Diff. Resvr.  
 Other \_\_\_\_\_

5. Lease Serial No.  
**U-02030**

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.  
**892000761X**

2. Name of Operator **SHENANDOAH ENERGY INC**  
 CONTACT: J.T. CONLEY  
 EMAIL: jconley@shenandoahenergy.com

8. Lease Name and Well No.  
**RWU 33U-19B**

3. Address **11002 EAST 17500 SOUTH VERNAL, UT 84078**  
 3a. Phone No. (include area code)  
 TEL: 435.781.4300 EXT: 301

9. API Well No.  
**4304733654**

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
 At Surface **NWSE 2550FSL 1890FEL**  
 At top prod. interval reported below **NWSE 2550FSL 1890FEL**  
 At total depth **NWSE 2550FSL 1890FEL**

**CONFIDENTIAL PERIOD EXPIRED ON 11/24/01**

10. Field and Pool, or Exploratory  
**RED WASH**

11. Sec., T., R., M., on Block and Survey or Area  
**Sec 19 T7S R23E SLB**

12. County or Parish **UINTAH** 13. State **UT**

14. Date Spudded **10/2/00** 15. Date T.D. Reached **10/7/00** 16. Date Completed **10/24/00**  
 D & A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
**5467 GL**

18. Total Depth: MD **3200** TVD \_\_\_\_\_ 19. Plug Back T.D.: MD **3181** TVD \_\_\_\_\_

20. Depth Bridge Plug Set: MD \_\_\_\_\_ TVD \_\_\_\_\_

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
**SPECTRAL DENSITY NEUTRON, HIRES INDUCTION, CBL-VDL**  
**10-27-00 10-27-00 10-27-00**

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

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)	Cement Top*	Amount Pulled
12.25	9.625 J-55	36	0	451		175		0	
7.875	4.5 J-55	11.6	0	3200		460		2150	

24. Tubing Record

Size	Depth Set(MD)	Packer Depth(MD)	Size	Depth Set(MD)	Packer Depth(MD)	Size	Depth Set(MD)	Packer Depth(MD)
2.375	2660							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) <b>UINTA</b>	<b>2701</b>	<b>3084</b>	<b>2701 To 3084</b>			<b>OPEN</b>
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material

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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
<b>10/24/00</b>	<b>10/24/00</b>	<b>1</b>	<b>→</b>	<b>0</b>	<b>0</b>	<b>0</b>			<b>FLOWS FROM WELL</b>
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	<b>0</b>	<b>0</b>	<b>→</b>					<b>GAS WELL - SHUT-IN</b>	

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

(See instructions and spaces for additional data on reverse side)  
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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.)

**OTHER**

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.

31. Formation (Log) Markers

Formation	Top	Bottom	Description, Contents, etc.	Name	Top
					Meas. Depth
UINTA	2701	2711	PERFS	GREEN RIVER	3077
UINTA(2)	2718	2738	PERFS, TWO SETS		
UINTA(3)	2793	2798	PERFS		
UINTA(4)	2966	2972	PERFS		
UINTA(5)	3066	3084	PERFS, TWO SETS		

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32. Additional remarks (include plugging procedure):

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DO NOT RELEASE WELL INFORMATION WITHOUT PERMISSION FROM SHENANDOAH ENERGY INC.

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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):

Name (please print) J.T. CONLEY Title DISTRICT MANAGER

Signature *J.T. Conley* Date 12-22-00

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

ELECTRONIC SUBMISSION #2220 VERIFIED BY THE BLM WELL INFORMATION SYSTEM FOR SHENANDOAH ENERGY INC SENT TO THE VERNAL FIELD OFFICE

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**

1. Type of Well  
Oil Gas  
 Well  Well  Other

2. Name of Operator  
**SHENANDOAH ENERGY INC.**

3. Address and Telephone No. Contact: **jpennell@shenandoahenergy.com**  
**11002 E. 17500 S. VERNAL, UT 84078-8526** **435-828-3038 Fax 435-828-5044**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**2550' FSL, 1890' FEL, NWSE Sec. 19, T7S, R23E SLB&M**

5. Lease Designation and Serial No.  
**U-02030**

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

7. If Unit or CA, Agreement Designation  
**Red Wash Unit**

8. Well Name and No.  
**RWU 33U-19B**

9. API Well No.  
**43-047-33654**

10. Field and Pool, or Exploratory Area  
**Red Wash**

11. County or Parish, State  
**UINTAH COUNTY, UTAH**

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(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)

Please be advised that as of 7/05/01 this well has been plugged and abandoned as follows:

- MIRU Service Unit. NDWH & NU BOPS.
- Set CIBP @ 2485' & dump bail 3 sxs (35') of cement on top of plug.
- Perf @ 465'. Establish circulation & cement to surface up 9 5/8" & inside 4 1/2".
- Cut off 9 5/8" & 4 1/2" @ 3' below GL. Jamie Sparger, BLM, approved installing dry hole marker w/o additional cement.

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3 - BLM, 2- Utah OG&M, 1 - Denver, 1 - file Word file-server  
All procedures witnessed by Jamie Sparger, BLM, Vernal, Utah.

14. I hereby certify that the foregoing is true and correct.  
Signed Jacob Smith Title Completion Manager Date 12/17/01

(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.

