

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

FORM 3

APPLICATION FOR PERMIT TO DRILL

5. LEASE DESIGNATION AND SERIAL NUMBER
ML-22020 47047

6. IF INDIAN ALLOTTEE OR TRIBE NAME
N/A

7. UNIT OF CA AGREEMENT NAME:
N/A

8. WELL NAME and NUMBER:
WV #13W-36-7-21

9. FIELD AND POOL, OR WILDCAT:
UNDESIGNATED

10. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
SWSW 36 7S 21E

11. COUNTY:
UINTAH

12. STATE:
UT

13. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE:
9 MILES SOUTH WEST FROM RED WASH UNIT

14. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET)
675' ±

15. NUMBER OF ACRES IN LEASE:
~~602~~ **640**

16. NUMBER OF ACRES ASSIGNED TO THIS WELL:
40

17. DISTANCE TO NEAREST WELL (DRILLING COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) **2500' ±**

18. PROPOSED DEPTH
8620'

19. BOND DESCRIPTION:
159261960

20. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.):
4916.6' GR

21. APPROXIMATE DATE WORK WILL START:
ASAP

22. ESTIMATED DURATION:

23 PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT		
12 1/4"	9 5/8"	K-55	36	450'	PREMIUM PLUS	119	1.18 15.6 ppg
7 7/8"	4 1/2"	N-80	11.6	1500'	PREMIUM PLUS	1395	1.18 12 ppg
7 7/8"	4 1/2"	J-55	11.6	TD	PREMIUM PLUS	147	1.18 14.5 ppg

24 ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERATION GENERAL RULES:

- WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
- COMPLETE DRILLING PLAN
- EVIDNECE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER
- FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OW

NAME (PLEASE PRINT) **JOHN BUSCH** TITLE **RED WASH OPERATIONS REPRESENTATIVE**

SIGNATURE *John Busch* DATE **MAY 23-01**

(This space for State use only)

API NUMBER ASSIGNED: 43-047-34100 APPROVAL: _____

RECEIVED

MAY 25 2001

DIVISION OF
OIL, GAS AND MINING

CONFIDENTIAL

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 05/25/2001

API NO. ASSIGNED: 43-047-34100

WELL NAME: WV 13W-36-7-21
OPERATOR: SHENANDOAH ENERGY INC (N4235)
CONTACT: JOHN BUSCH

PHONE NUMBER: 435-781-4341

PROPOSED LOCATION:

SWSW 36 070S 210E
SURFACE: 0721 FSL 0675 FWL
BOTTOM: 0721 FSL 0675 FWL
UINTAH
UNDESIGNATED (2)

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	DJD	7/05/01
Geology		
Surface		

LEASE TYPE: 3 - State
LEASE NUMBER: ML-~~47047~~ *47040 (11-20-01) pc*
SURFACE OWNER: 3 - State

PROPOSED FORMATION: WSTC

RECEIVED AND/OR REVIEWED:

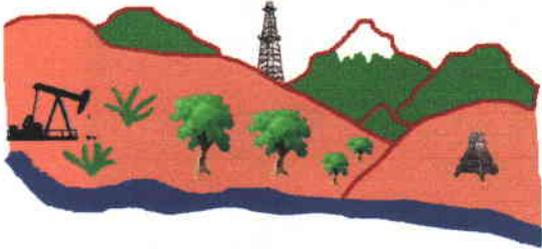
- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]
(No. 159261960)
- Potash (Y/N)
- Oil Shale (Y/N) *190-5 (B) or 190-3
- Water Permit
(No. 36125)
- RDCC Review (Y/N)
(Date:)
- Fee Surf Agreement (Y/N)

LOCATION AND SITING:

- R649-2-3. Unit
- R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit
Board Cause No: _____
Eff Date: _____
Siting: _____
- R649-3-11. Directional Drill

COMMENTS: Need Presite. (06-20-01)

STIPULATIONS: ① Spacing Stip.
② STATEMENT OF BASIS



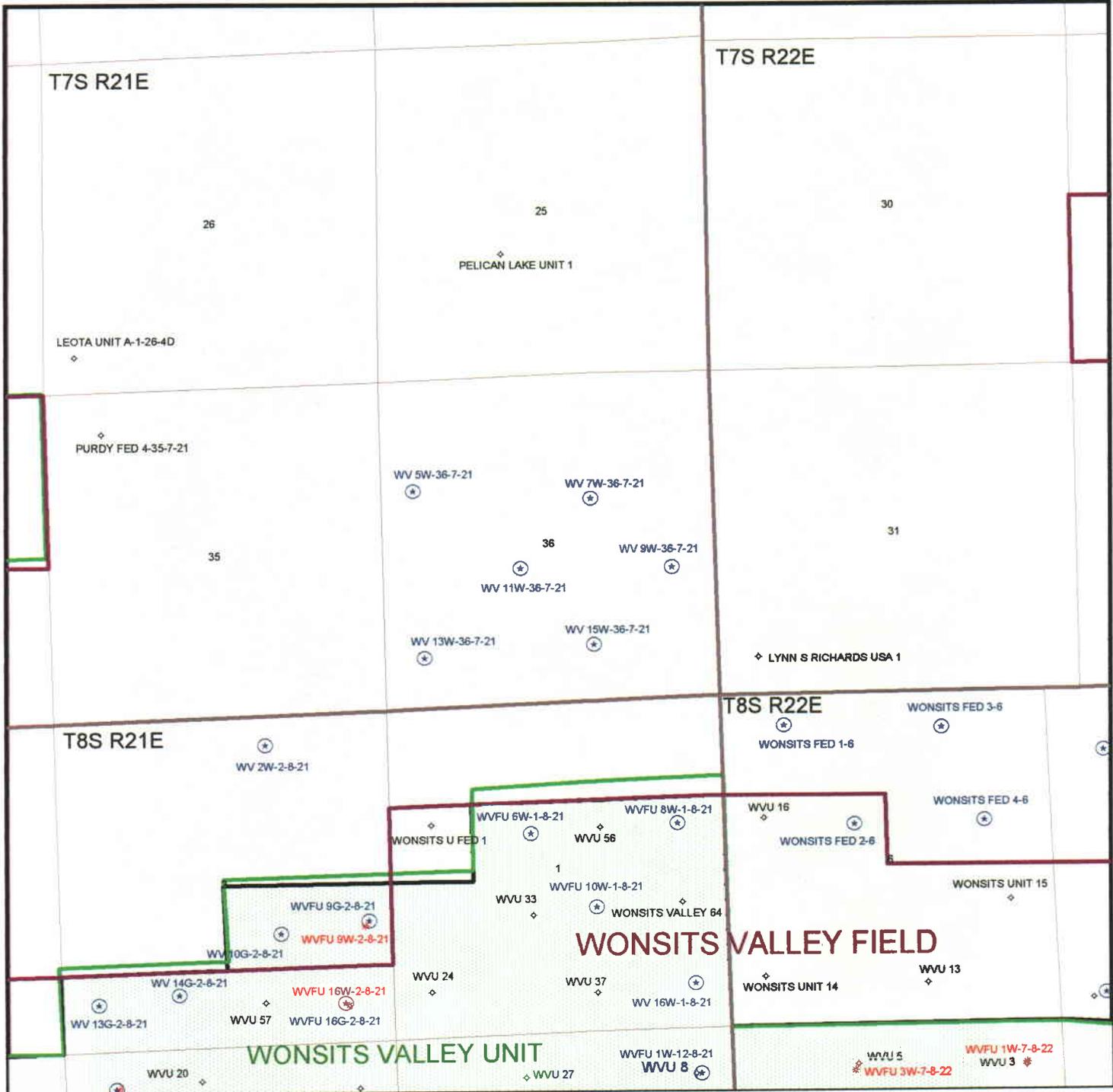
Utah Oil Gas and Mining

OPERATOR: SHENANDOAH ENERGY (N4235)

SEC. 36, T7S, R21E

FIELD: UNDESIGNATED (002)

COUNTY: UINTAH



PREPARED BY: LCORDOVA
DATE: 31-MAY-2001

6-01 SEI WV 13W-36-7-21

Casing Schematic

Surface

Wells
9-5/8"
MW 8.4
Frac 19.3

TOC @ 0.
TOC @ 0.
Surface
450. MD

20% washout

BoP

BoP

$(0.52)(9.5)(8620) = 4258 \text{ psi}$
Anticipated = 3448 psi

3305' -
Green River

Gas

$(0.12)(8620) = 1034 \text{ psi}$

3380' -
Manganese ledge

20% washout

Gas/mud

$(0.22)(8620) = 1896 \text{ psi}$

MASP = $4258 - 1034 = 3224 \text{ psi}$
 $4258 - 1896 = 2362 \text{ psi}$

Anticipated MASP = $3448 - 1034 = 2414 \text{ psi}$
 $3448 - 1896 = 1552 \text{ psi}$

6622' -
washout

3M BOPE

6621' TOC tail

ADEQUATE DFD 7/05/01

4-1/2"
MW 9.5

Production
8620. MD

Well name:	6-01 SEI WV 13W-36-7-21	
Operator:	Shenandoah Energy Inc.	Project ID:
String type:	Surface	43-047-34100
Location:	Uintah County, UT	

Design parameters:

Collapse

Mud weight: 8.400 ppg
 Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
 Surface temperature: 65 °F
 Bottom hole temperature: 71 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 450 ft

Cement top: Surface

Burst

Max anticipated surface pressure: 0 psi
 Internal gradient: 0.494 psi/ft
 Calculated BHP 222 psi

No backup mud specified.

Tension:

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

Tension is based on air weight.
 Neutral point: 394 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 8,620 ft
 Next mud weight: 9.500 ppg
 Next setting BHP: 4,254 psi
 Fracture mud wt: 19.250 ppg
 Fracture depth: 450 ft
 Injection pressure 450 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	450	9.625	36.00	K-55	ST&C	450	450	8.765	32
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	196	2020	10.287	222	3520	15.85	16	423	26.11 J

Prepared by: Dustin Doucet
 Utah Div. of Oil & Mining

Phone: (801) 538-5281

Date: July 5,2001
 Salt Lake City, Utah

Engineering Stipulations: None

No biaxial correction for tension is made.

Collapse is based on a vertical depth of 450 ft, a mud weight of 8.4 ppg The casing is considered to be evacuated for collapse purposes. In addition, burst strength is biaxially adjusted for tension.

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

Well name:	6-01 SEI WV 13W-36-7-21	
Operator:	Shenandoah Energy Inc.	Project ID:
String type:	Production	43-047-34100
Location:	Uintah County, UT	

Design parameters:

Collapse

Mud weight: 9.500 ppg
 Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 0 psi
 Internal gradient: 0.494 psi/ft
 Calculated BHP: 4,254 psi
 No backup mud specified.

Minimum design factors:

Collapse:

Design factor: 1.125

Burst:

Design factor: 1.00

Tension:

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

Tension is based on air weight.
 Neutral point: 7,396 ft

Environment:

H2S considered? No
 Surface temperature: 65 °F
 Bottom hole temperature: 186 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 1,500 ft

Cement top: Surface

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft ³)
2	1500	4.5	11.60	N-80	LT&C	1500	1500	3.875	34.8
1	7120	4.5	11.60	J-55	ST&C	8620	8620	3.875	165

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
2	740	6350	8.578	740	8583	11.59	100	223	2.23 J
1	4254	4960	1.166	4254	5350	1.26	83	154	1.86 J

Prepared by: Dustin Doucet
 Utah Div. of Oil & Mining

Phone: (801) 538-5281

Date: July 5, 2001
 Salt Lake City, Utah

Engineering Stipulations: None

No biaxial correction for tension is made.

Collapse is based on a vertical depth of 8620 ft, a mud weight of 9.5 ppg. The casing is considered to be evacuated for collapse purposes. In addition, burst strength is biaxially adjusted for tension.

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

**DIVISION OF OIL, GAS AND MINING
APPLICATION FOR PERMIT TO DRILL
STATEMENT OF BASIS**

Operator Name: SHENANDOAH ENERGY, INC.
Well Name & Number: WV 13W-36-7-21
API Number: 43-047-34100
Location: 1/4,1/4 SW/SW Sec. 36 T. 7S R. 21E

Geology/Ground Water:

Shenandoah proposes to set 450' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 3000'. A search of Division of Water Rights records shows 1 water well within a 10,000 foot radius of the center of section 36. This well is listed as a stock watering well which produces from a depth of about 40 feet and is more than a mile from the proposed location. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The proposed casing program should adequately protect any underground sources of useable water.

Reviewer: Brad Hill
Date: 06/26/2001

Surface:

The pre-drill investigation of the surface was performed on 6/20/2001. Surface and minerals are owned by State of Utah. Ed Bonner with SITLA and Jack Lytle with DWR were both invited to this meeting on 6/6/2001. Neither attended. This site appears to be the best site for a location in the immediate area. This area has numerous sandstone outcroppings and sheer faces and blasting will certainly be necessary for location and reserve pit construction. Existing shallow drainage crossing site will be re-routed around north side of location.

Reviewer: David W. Hackford
Date: 6/22/2001

Conditions of Approval/Application for Permit to Drill:

1. A synthetic liner with a minimum thickness of 12 mils and felt sub-liner shall be properly installed and maintained in the reserve pit.

ON-SITE PREDRILL EVALUATION
Division of Oil, Gas and Mining

OPERATOR: SHENANDOAH ENERGY, INC.
WELL NAME & NUMBER: WV 13W-36-7-21
API NUMBER: 43-047-34100
LEASE: ML-47047 FIELD/UNIT: UNDESIGNATED
LOCATION: 1/4,1/4 SW/SW SEC:36 TWP:7S RNG: 21E
675' F W L 721' F S L
LEGAL WELL SITING: Statewide 400 foot window in center of 40
acre tract and no closer than 920 feet from
another well.
GPS COORD (UTM): 12626900E 4446671N
SURFACE OWNER: SITLA

PARTICIPANTS:

RAYLENE SEARLE, SHENANDOAH). DAVID HACKFORD, (DOGM).

REGIONAL/LOCAL SETTING & TOPOGRAPHY:

SITE IS ON A SMALL PLATEAU ON THE POINT OF A SHARP RIDGE
WITH DEEP DRAWS TO THE NORTH AND SOUTH. THESE DRAWS COME
TOGETHER 300' EAST, SOUTHEAST OF SITE. THERE ARE NUMEROUS
SANDSTONE OUTCROPPINGS IN THE AREA.

SURFACE USE PLAN:

CURRENT SURFACE USE: WILDLIFE AND LIVESTOCK GRAZING.
HUNTING.

PROPOSED SURFACE DISTURBANCE: LOCATION WOULD BE 325' BY 235'
AND ACCESS ROAD WOULD BE 3085 FEET.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: SEE
ATTACHED MAP FROM GIS DATABASE

LOCATION OF PRODUCTION FACILITIES AND PIPELINES:
ALL PRODUCTION FACILITIES WILL BE ON LOCATION AND
CONSTRUCTED AFTER WELL IS DRILLED AND COMPLETED. THE
PIPELINE TO THIS BATTERY WILL FOLLOW ACCESS ROAD.

SOURCE OF CONSTRUCTION MATERIAL: ALL CONSTRUCTION MATERIAL
WILL BE BORROWED FROM SITE DURING CONSTRUCTION OF LOCATION.

ANCILLARY FACILITIES: NONE WILL BE REQUIRED.

WASTE MANAGEMENT PLAN:

DRILLED CUTTINGS WILL BE SETTLED INTO RESERVE PIT. LIQUIDS FROM PIT WILL BE ALLOWED TO EVAPORATE. FORMATION WATER WILL BE CONFINED TO STORAGE TANKS. SEWAGE FACILITIES, STORAGE AND DISPOSAL WILL BE HANDLED BY COMMERCIAL CONTRACTOR. TRASH WILL BE CONTAINED IN TRASH BASKETS AND HAULED TO AN APPROVED LAND FILL.

ENVIRONMENTAL PARAMETERS:

AFFECTED FLOODPLAINS AND/OR WETLANDS: NONE

FLORA/FAUNA: NATIVE GRASSES, HORSEBRUSH, PRICKLY PEAR, CHEAT GRASS, GREASEWOOD, RUSSIAN THISTLE: RODENTS, COYOTES, SONG-BIRDS, RAPTORS, PRONGHORN, DEER.

SOIL TYPE AND CHARACTERISTICS: LIGHT PINK SANDY CLAY.

EROSION/SEDIMENTATION/STABILITY: VERY LITTLE NATURAL EROSION. SEDIMENTATION AND STABILITY ARE NOT A PROBLEM AND LOCATION CONSTRUCTION SHOULDN'T CAUSE ANY INCREASE IN STABILITY OR EROSION PROBLEMS.

PALEONTOLOGICAL POTENTIAL: NONE OBSERVED.

RESERVE PIT:

CHARACTERISTICS: 140' BY 70' AND 8' DEEP.

LINER REQUIREMENTS (Site Ranking Form attached): A 12 MIL LINER AND FELT SUB-LINER WILL BE NECESSARY FOR PIT.

SURFACE RESTORATION/RECLAMATION PLAN:

AS PER STATE OF UTAH.

SURFACE AGREEMENT: STATE LAND.

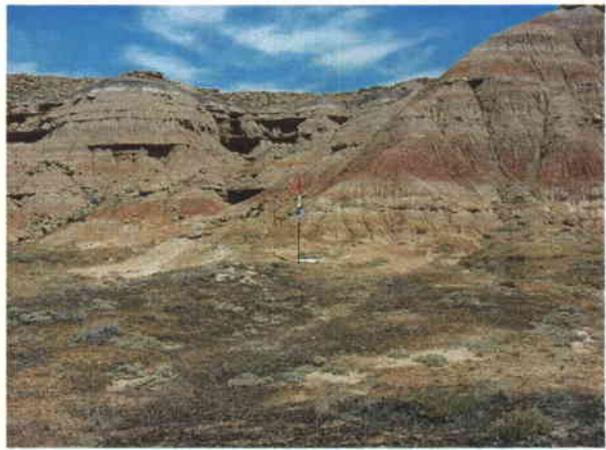
CULTURAL RESOURCES/ARCHAEOLOGY: SITE WAS INSPECTED BY MONTGOMERY ARCHAEOLOGICAL CONSULTANTS. A REPORT OF THIS INVESTIGATION WILL BE PLACED ON FILE.

OTHER OBSERVATIONS/COMMENTS:

THE PRE-DRILL INVESTIGATION TOOK PLACE ON A HOT, CLEAR DAY.

Evaluation Ranking Criteria and Ranking Score
For Reserve and On-site Pit Liner Requirements

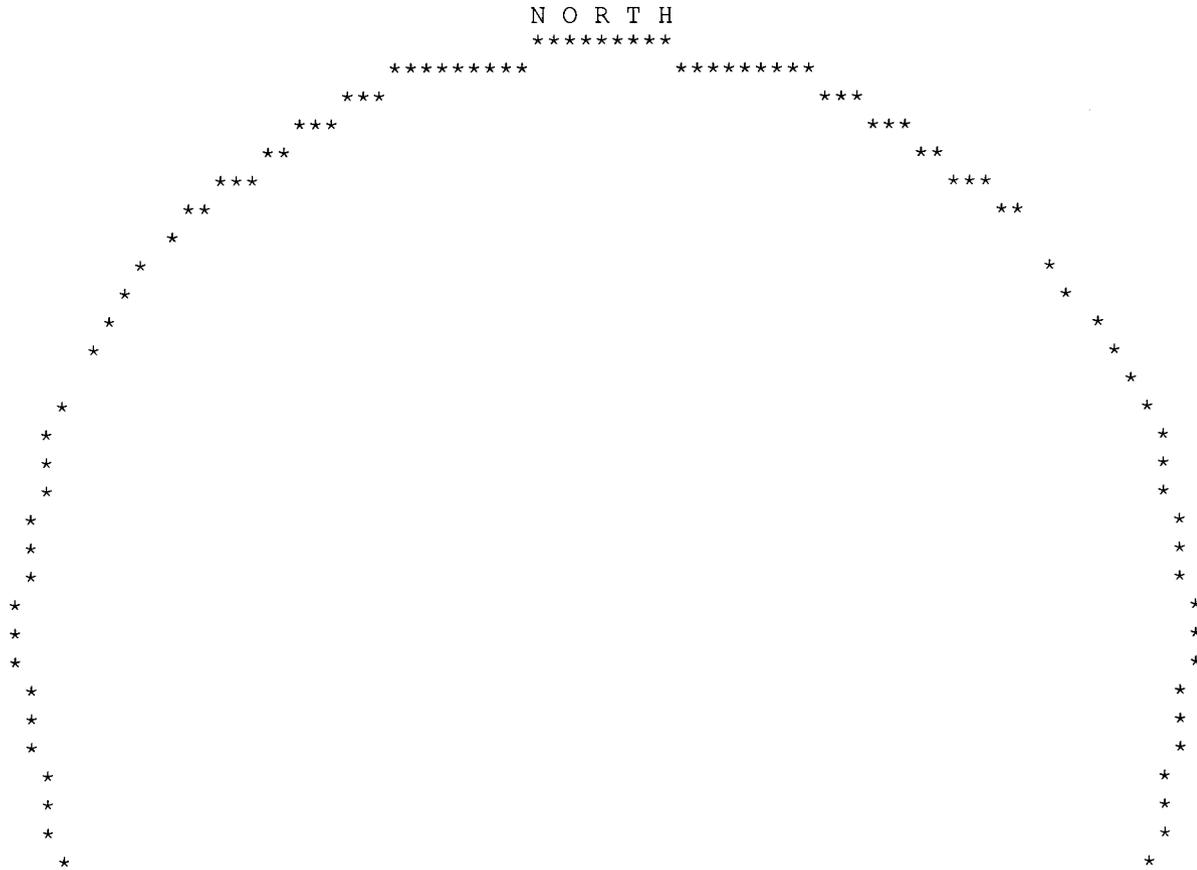
<u>Site-Specific Factors</u>	<u>Ranking</u>	<u>Site Ranking</u>
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	<u>5</u>
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	<u>0</u>
Distance to Nearest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

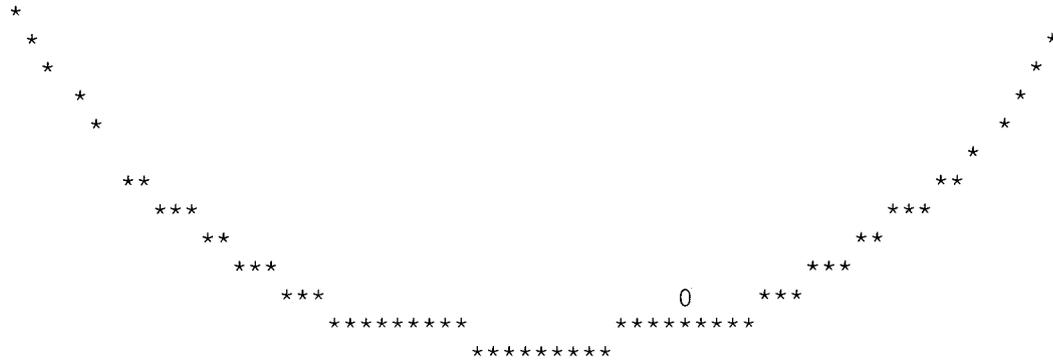


UTAH DIVISION OF WATER RIGHTS
WATER RIGHT POINT OF DIVERSION PLOT CREATED TUE, JUN 26, 2001, 9:46 AM
PLOT SHOWS LOCATION OF 1 POINTS OF DIVERSION

PLOT OF AN AREA WITH A RADIUS OF 10000 FEET FROM A POINT
FEET, FEET OF THE CT CORNER,
SECTION 36 TOWNSHIP 7S RANGE 21E SL BASE AND MERIDIAN

PLOT SCALE IS APPROXIMATELY 1 INCH = 4000 FEET





UTAH DIVISION OF WATER RIGHTS
 NWPLAT POINT OF DIVERSION LOCATION PROGRAM

MAP CHAR	WATER RIGHT	QUANTITY CFS	AND/OR AC-FT	SOURCE DESCRIPTION	or WELL INFO DIAMETER	DEPTH	YEAR LOG	POINT OF DIVERSION DESCRIPTION NORTH	EAST	CNR	SEC	TWN	RNG	B&M
0	49 186	.0150	.00	6	40			S 1154	W 265	NE 12	8S	21E	SL	
		WATER USE(S): DOMESTIC STOCKWATERING												
		Hall, Louie												
														PRIORITY DATE: 09/10/195
														Ouray

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

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-47047
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
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.		7. UNIT or CA AGREEMENT NAME: N/A
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____	8. WELL NAME and NUMBER: WV 13W-36-7-21	
2. NAME OF OPERATOR: SHENANDOAH ENERGY INC.		9. API NUMBER:
3. ADDRESS OF OPERATOR: 11002E 17500 S CITY VERNAL STATE UT ZIP 84078	PHONE NUMBER: (435) 781-4341	10. FIELD AND POOL, OR WILDCAT: UNDESIGNATED
4. LOCATION OF WELL FOOTAGES AT SURFACE: 721' FSL, 675' FWL, _____ COUNTY: UINTAH		
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 36 7S 21E S STATE: UTAH		

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

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

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

Please see the attached for changes that were made to the cement program.

RECEIVED
JUL 31 2001
DIVISION OF
OIL, GAS AND MINING

NAME (PLEASE PRINT) <u>John Busch</u>	TITLE <u>Operations Representative</u>
SIGNATURE <u>John Busch</u>	DATE <u>July 3-01</u>

(This space for State use only)

DRILLING PROGRAM

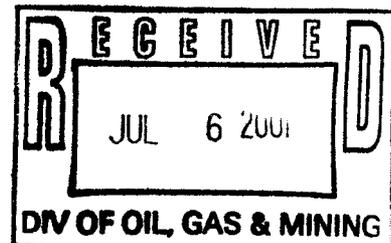
9. Cementing Program

<u>Casing</u>	<u>Volume</u>	<u>Type & Additives</u>
Surface	257 sx	Premium Plus single slurry mixed to 15.6 ppg, yield = 1.18 cf/sx. Fill to surface with 160 cf (257sx) calculated. Tail plug used. Allowed to set under pressure
Production	757 sx* Lead 512 sx* Tail	Lead/Tail oilfield type cement circulated in place . Tail slurry: Extended Class "G" + gilsonite and additives as required, mixed to 14.35 ppg, yield = 1.25 cf/sx. Fill to 6922' ($\pm 300'$ above top of Lower Wasatch). Cement Characteristics: Lead slurry: Extended, Lite, Hi-fill + extender and additives as required, mixed to 11.0 ppg, yield = 3.81cf/sx. Fill to surface. Tail plug used. Allowed to set under pressure.

*Final cement volumes to be calculated from caliper log with an attempt to be made to circulate cement to the surface. A bond log will be run across the zone of interest and across zones as required by the authorized officer to insure protection of natural resources.

10. Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards

No abnormal temperatures or pressures are anticipated. No H₂S has been encountered in or known to exist from previous wells drilled to similar depths in the general area. Maximum anticipated bottom hole pressure equals approximately 3448.0 psi. Maximum anticipated bottom hole temperature is 140° F.



DRILLING PROGRAM

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	3305'	
Mahogany Ledge	3880'	
Wasatch	6622'	
TD (Wasatch)	8620'	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	Wasatch	8620'

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 State of Utah form OGC-8-X is acceptable. If no flows are detected, samples will be submitted to the BLM along with any water analyses conducted. Fresh water will be obtained from Wonsits Valley water right #36125 or where possible a fresh water line (poly pipe) will be laid in the access road to each location to supply fresh water for drilling purposes.

CONFIDENTIAL

DRILLING PROGRAM

3. Surface Ownership

The well pad and access road are located on lands owned by the State of Utah.

4. Operator's Specification for Pressure Control Equipment:

- A. 3,000 psi W.P. Double Gate BOP or Single Gate BOP (schematic attached)
- B. Functional test daily
- C. All casing strings shall be pressure tested (0.2 psi/foot or 1500 psi, whichever is greater) prior to drilling the plug after cementing; test pressure shall not exceed the internal yield pressure of the casing.
- D. Ram type preventers and associated equipment shall be tested to approved stack working pressure if isolated by test plug or to 70 percent of internal yield pressure of casing whichever is less. Tests shall be done at the time of installation, prior to drilling out and weekly. All tests shall be for a period of 15 minutes

5. Casing Program

	<u>Depth</u>	<u>Hole Size</u>	<u>Csg Size</u>	<u>Type</u>	<u>Weight</u>
Surface	450'	12-1/4"	9-5/8"	K-55	36lb/ft (new)
Production	8620'	7-7/8"	4-1/2"	J-55	11.6lb/ft (new)

6. Auxiliary Equipment

- A. Kelly Cock – yes
- B. Float at the bit – no
- C. Monitoring equipment on the mud system – visually
- D. Full opening safety valve on the rig floor – yes
- E. Rotating Head – yes
- F. The blooie line shall be at least 6" in diameter and extend at least 100' from the well bore into the reserve/blooie pit.

DRILLING PROGRAM

- G. Blooie line ignition shall be provided by a continuous pilot (ignited when drilling below 500’).
- H. Compressor shall be tied directly to the blooie line through a manifold.
- I. A mister with a continuous stream of water shall be installed near the end of the blooie lines for dust suppression.

7. Surface hole will be drilled with air, air/mist, foam, or mud depending on hole conditions. Drilling below surface casing will be with water based drilling fluids consisting primarily of fresh water, bentonite, lignite, caustic, lime, soda ash and polymers. No chromates will be used. It is not intended to use oil in the mud, however, in the event it is used, oil concentration will be less than 4% by volume. Maximum anticipated mud weight is 9.5 ppg.

No minimum quantity of weight material will be required to be kept on location.

PVT/Flow Show will be used from base of surface casing to TD.

Gas detector will be used from surface casing depth to TD.

8. Testing, logging and coring program

- A. Cores – none anticipated
- B. DST – none anticipated

Logging – Mud logging – 4500 to TD
GR-SP-Induction
Neutron Density
MRI

- C. Formation and Completion Interval: Wasatch interval, final determination of completion will be made by analysis of logs.
Stimulation – Stimulation will be designed for the particular area of interest as encountered.

DRILLING PROGRAM

9. Cementing Program

Amended 7/20/12

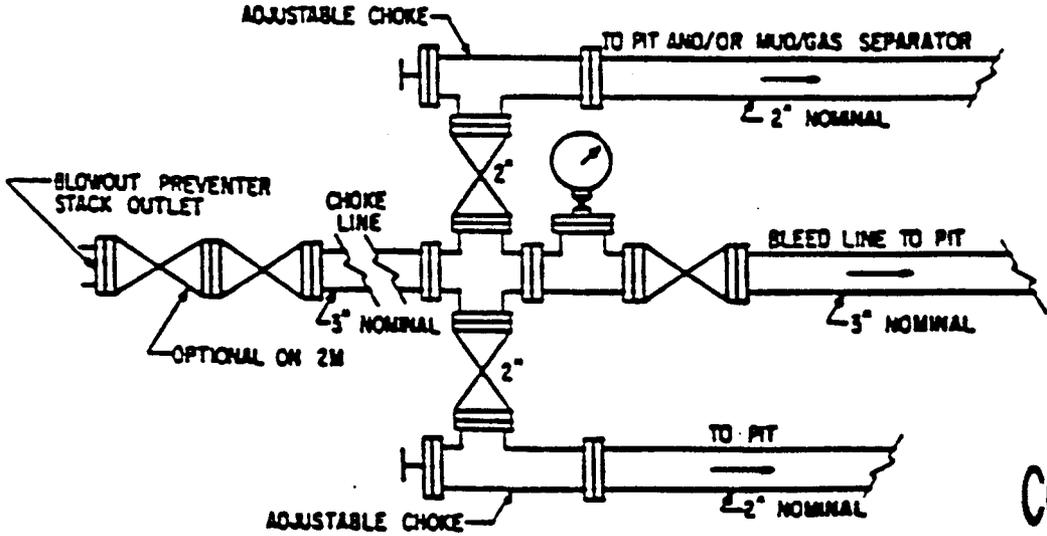
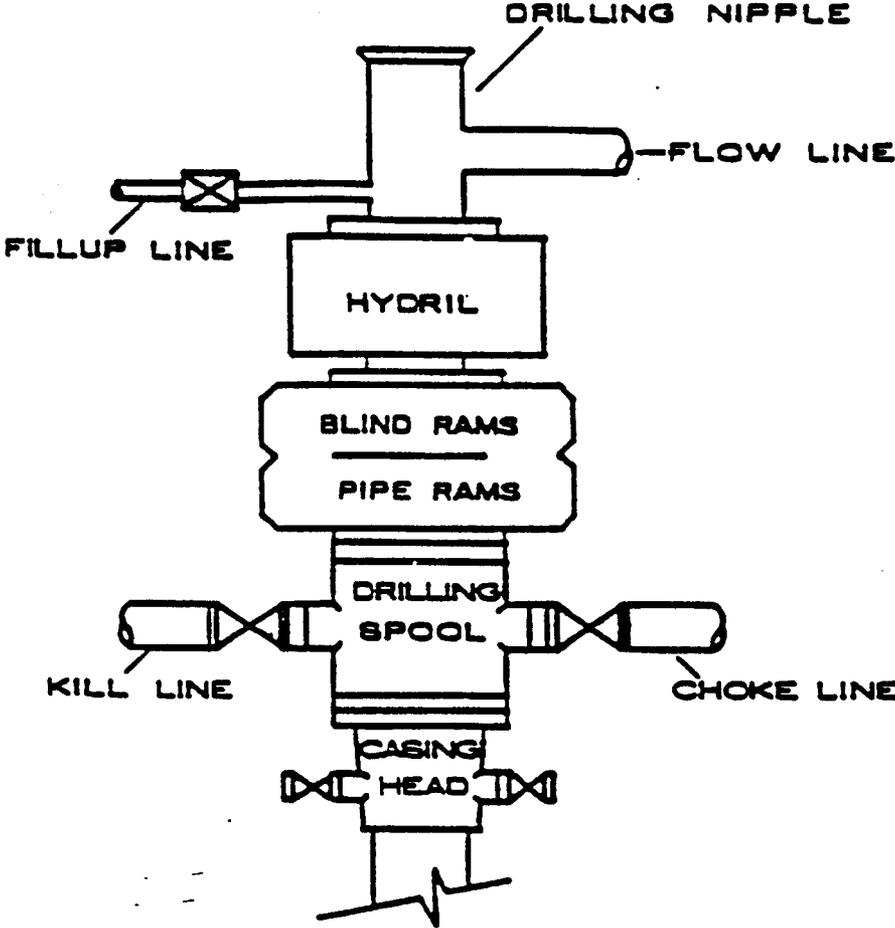
<u>Casing</u>	<u>Volume</u>	<u>Type & Additives</u>
Surface	119 sx	Premium Plus single slurry mixed to 15.6 ppg, yield = 1.18 cf/sx. Fill to surface with 160 cf (130 sx) calculated. Tail plug used. Allowed to set under pressure
Production	1395 sx* Lead 147sx* Tail	Lead/Tail oilfield type cement circulated in place . Tail slurry: Premium Plus + gilsonite and additives as required, mixed to 14.8 ppg, yield = 1.18 cf/sx. Fill to 4200' (±300' above top of Lower Wasatch). Cement Characteristics: Lead slurry: Premium Plus + extender and additives as required, mixed to 11.0 ppg, yield = 1.18 cf/sx. Fill to surface. Tail plug used. Allowed to set under pressure.

*Final cement volumes to be calculated from caliper log with an attempt to be made to circulate cement to the surface. A bond log will be run across the zone of interest and across zones as required by the authorized officer to insure protection of natural resources.

10. Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards

No abnormal temperatures or pressures are anticipated. No H2S has been encountered in or known to exist from previous wells drilled to similar depths in the general area. Maximum anticipated bottom hole pressure equals approximately 3448.0 psi. Maximum anticipated bottom hole temperature is 140° F.

SCHEMATIC DIAGRAM OF 3,000 PSI BOP STACK



CONFIDENTIAL

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
Red Wash Operations Representative

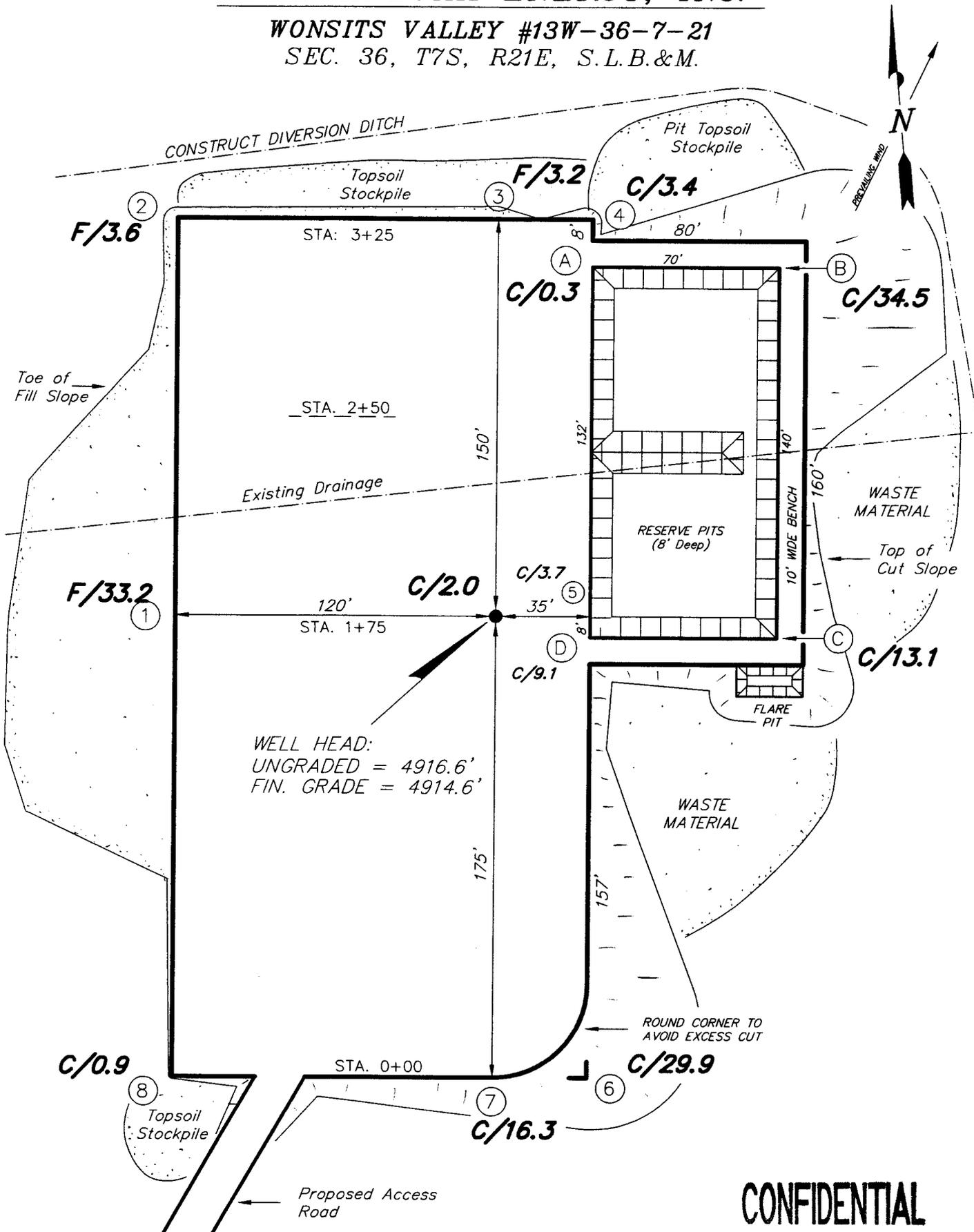
May 9, 2001

Date

CONFIDENTIAL

SHENANDOAH ENERGY, INC.

WONSITS VALLEY #13W-36-7-21
SEC. 36, T7S, R21E, S.L.B.&M.



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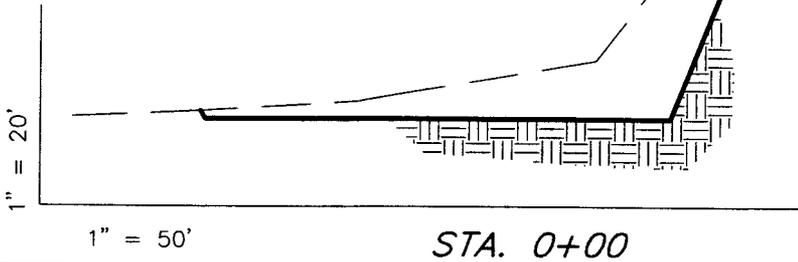
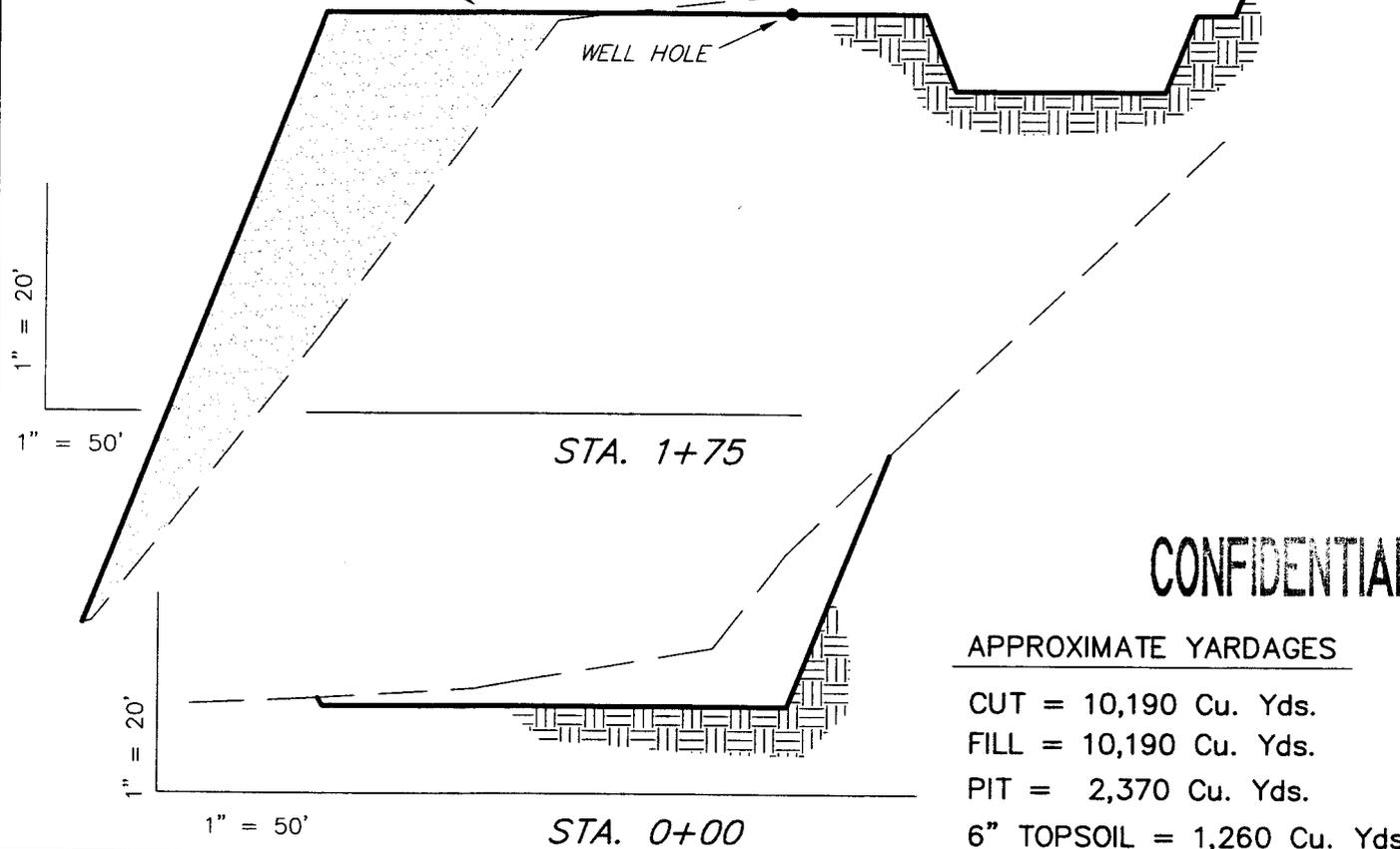
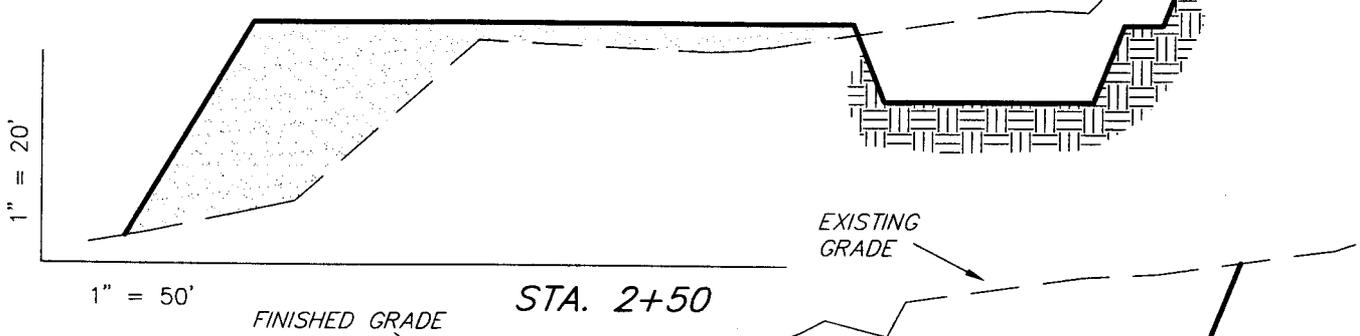
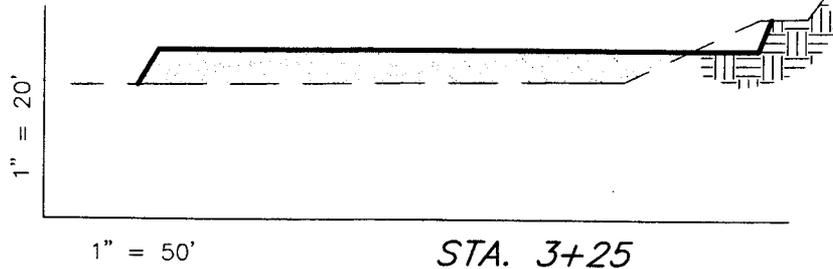
SURVEYED BY: D.J.S.	SCALE: 1" = 50'	Tri State Land Surveying, Inc. 38 WEST 100 NORTH VERNAL, UTAH 84078
DRAWN BY: J.R.S.	DATE: 4-27-01	

(435) 781-2501

SHENANDOAH ENERGY, INC.

CROSS SECTIONS

WONSITS VALLEY #13W-36-7-21



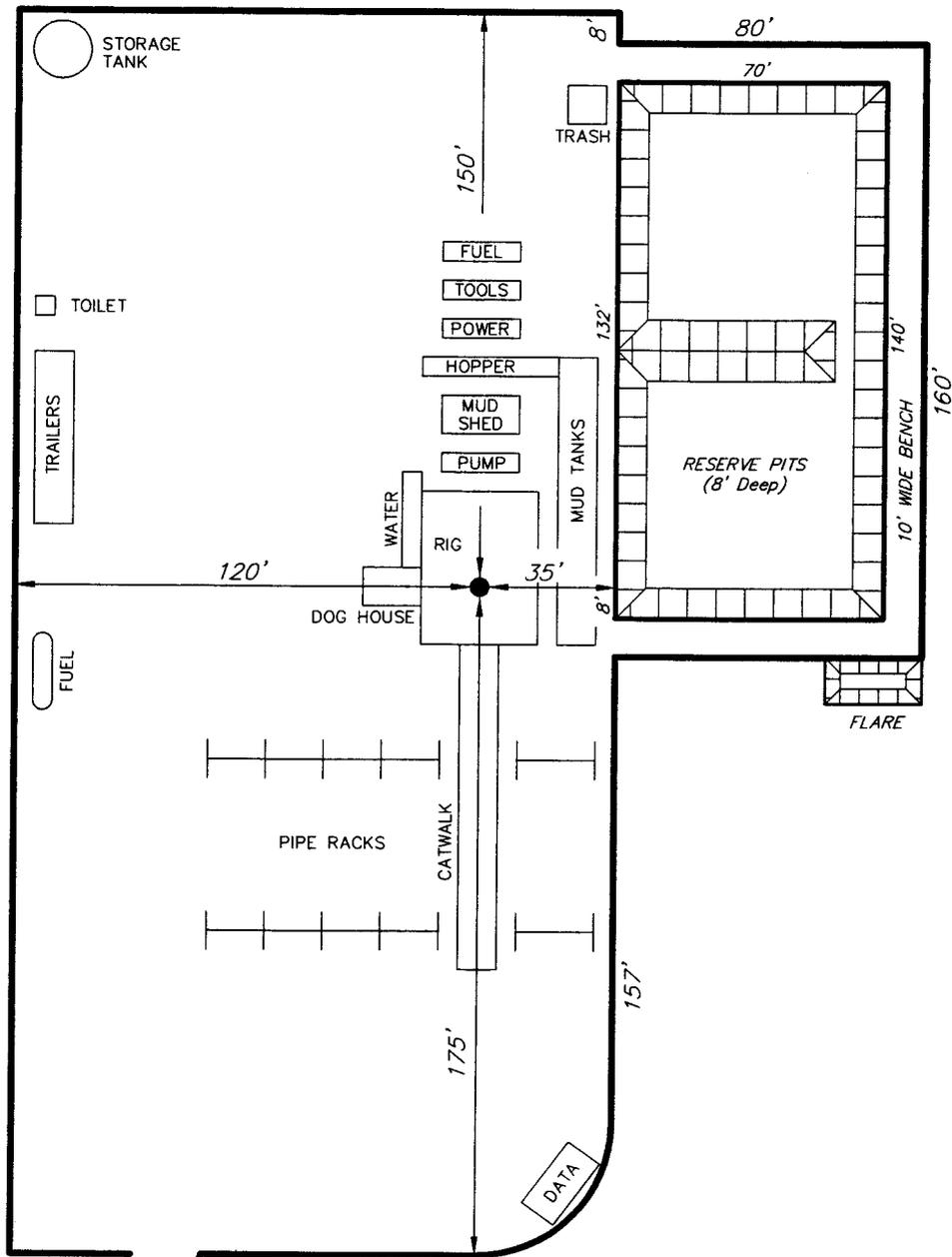
CONFIDENTIAL

APPROXIMATE YARDAGES
 CUT = 10,190 Cu. Yds.
 FILL = 10,190 Cu. Yds.
 PIT = 2,370 Cu. Yds.
 6" TOPSOIL = 1,260 Cu. Yds.

SURVEYED BY: D.J.S.	SCALE: 1" = 50'
DRAWN BY: J.R.S.	DATE: 4-27-01

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

SHENANDOAH ENERGY, INC.
TYPICAL RIG LAYOUT
WONSITS VALLEY #13W-36-7-21



Proposed Access Road

CONFIDENTIAL

SURVEYED BY: D.J.S.	SCALE: 1" = 50'	Tri State Land Surveying, Inc. <small>38 WEST 100 NORTH VERNAL, UTAH 84078</small>	<small>(435) 781-2501</small>
DRAWN BY: J.R.S.	DATE: 4-27-01		

SHENANDOAH ENERGY INC.

WV #13W-36-7-21

**LOCATED IN UINTAH COUNTY, UTAH
SECTION 36, T7S, R21E, S.L.B.&M.**

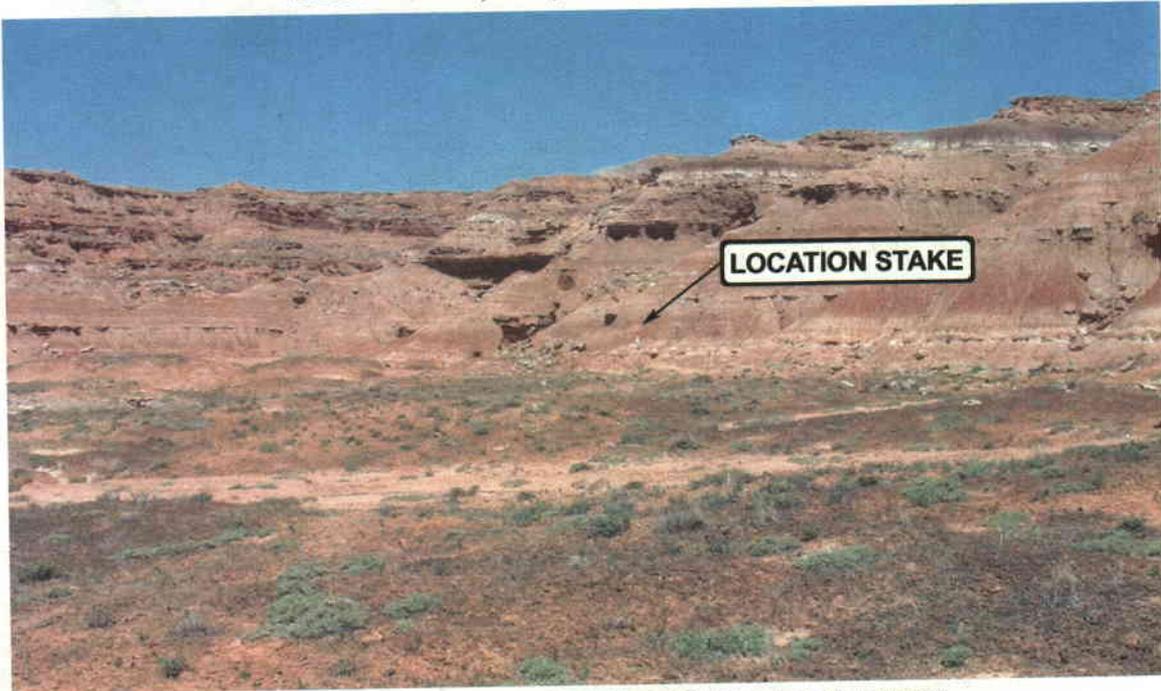


PHOTO: VIEW OF PROPOSED LOCATION



PHOTO: VIEW FOM BEGINNING OF PROPOSED ACCESS

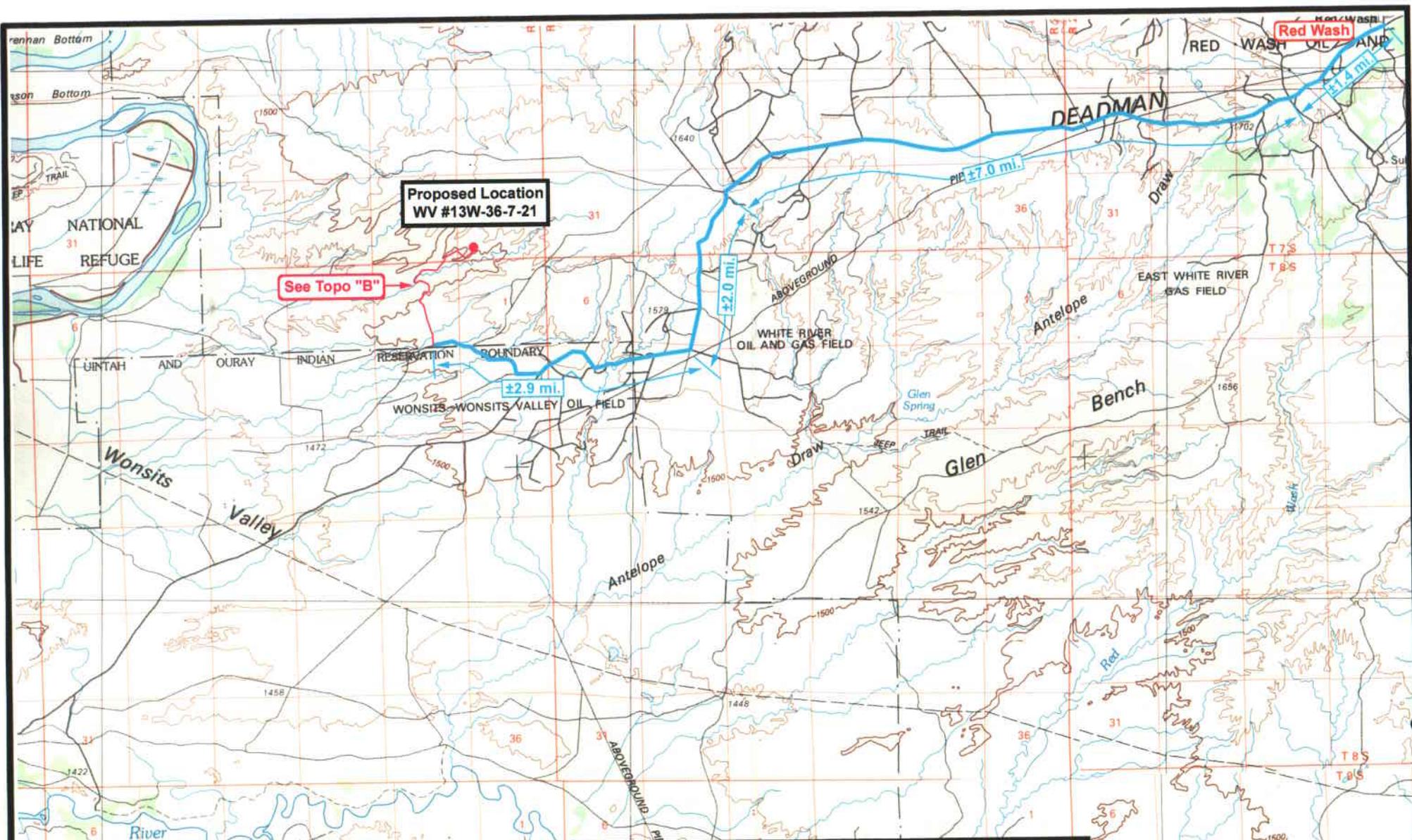
Tri-State Land Surveying Inc.
38 West 100 North, Vernal, UT 84078
435-781-2501 tristate@eastlink.com

LOCATION PHOTOS

Drawn By: SS

Date: 5-03-01

CONFIDENTIAL



**SHENANDOAH
ENERGY INC.**

CONFIDENTIAL

**Wonsits Valley
#13W-36-7-21
SEC. 36, T7S, R21E, S.L.B.&M.**



*Tri-State
Land Surveying Inc.*

(435) 781-2501

38 West 100 North Vernal, Utah 84078

SCALE: 1 : 100,000

DRAWN BY: bgm

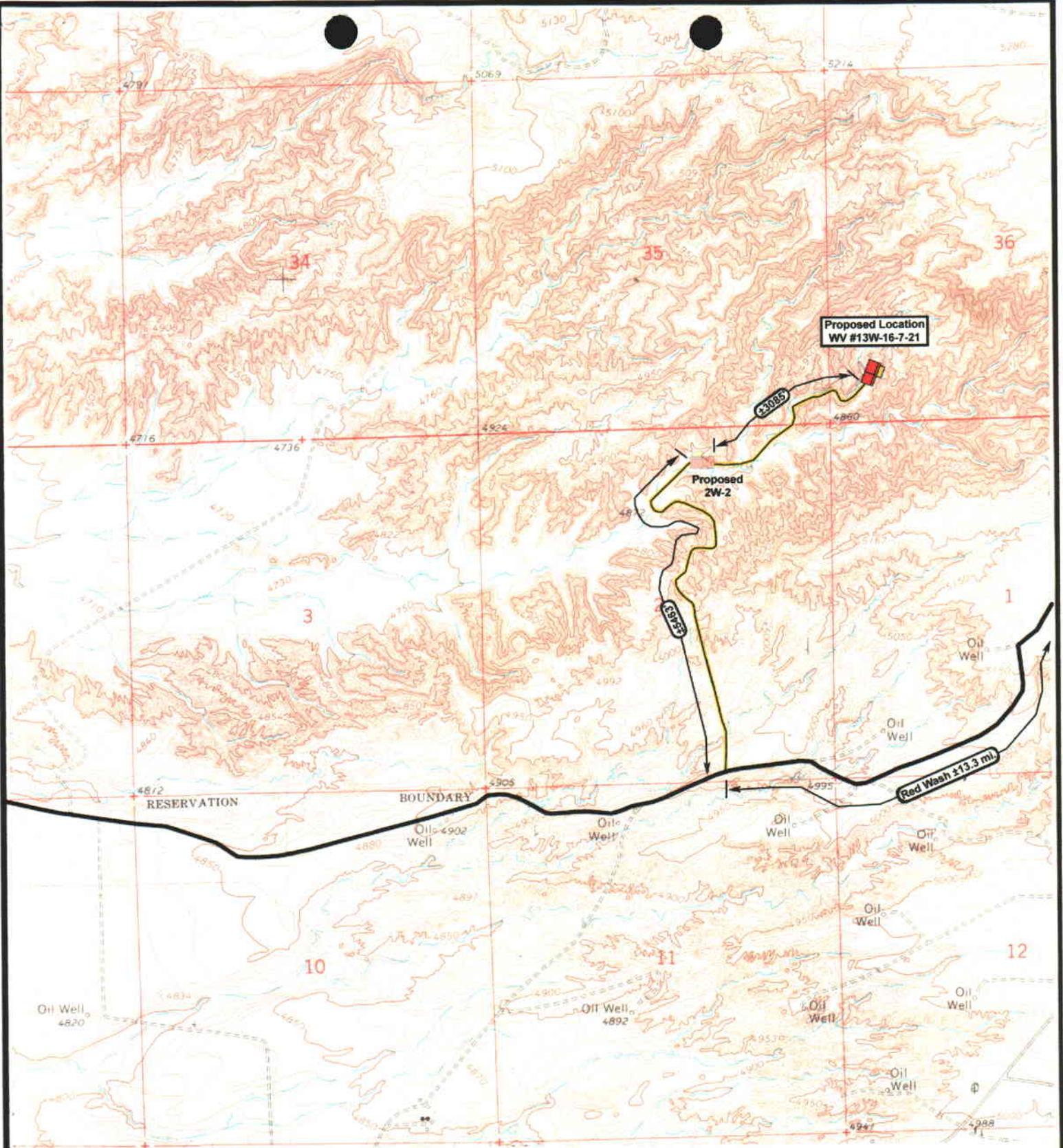
DATE: 05-03-2001

Legend

Existing Road
Proposed Access

TOPOGRAPHIC MAP

"A"



**SHENANDOAH
ENERGY INC.**

**Wonsits Valley
#13W-36-8-21
SEC. 36, T7S, R21E, S.L.B.&M.**



*Tri-State
Land Surveying Inc.*
(435) 781-2501
38 West 100 North Vernal, Utah 84078

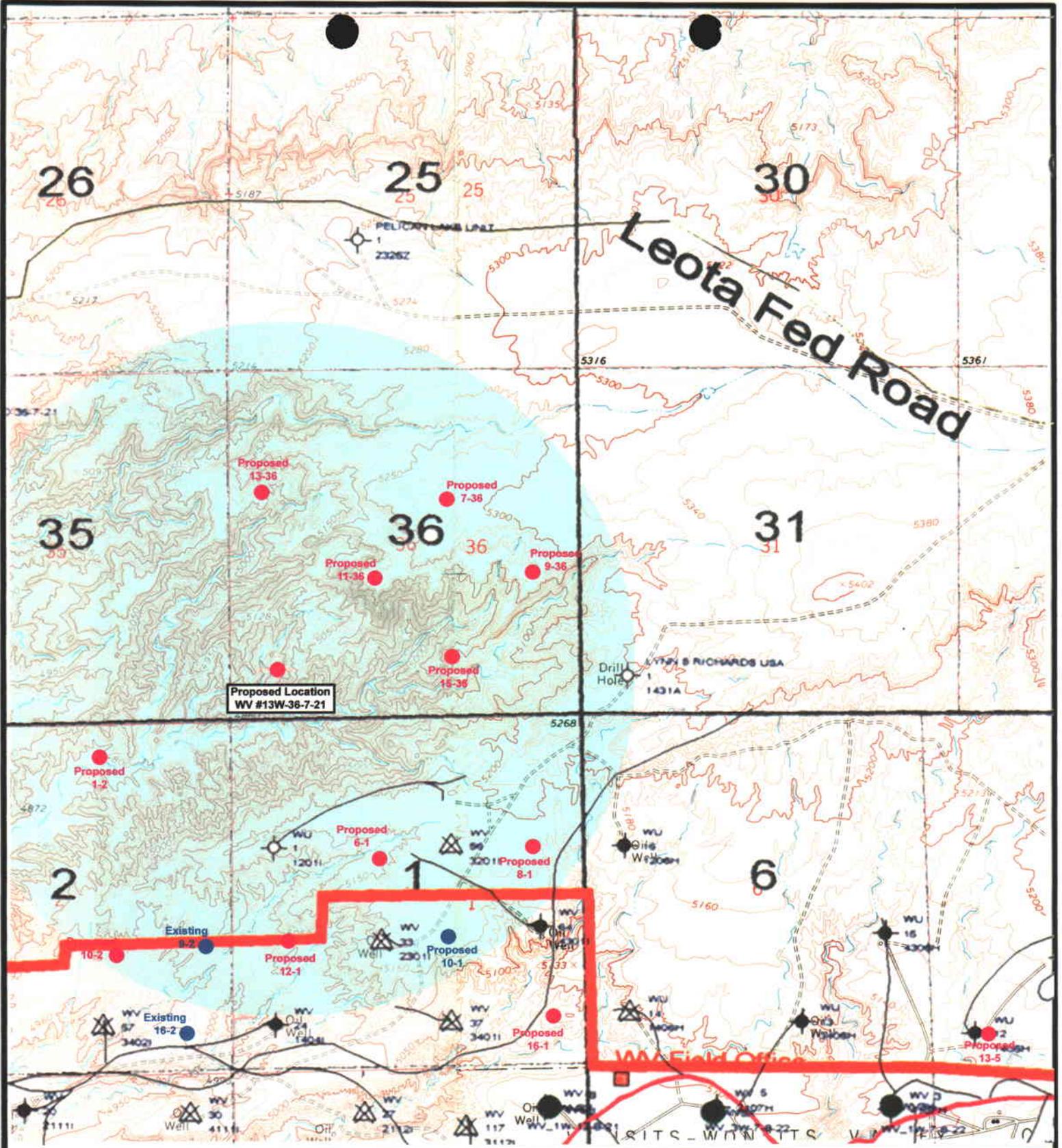
SCALE: 1" = 2000'
DRAWN BY: SS
DATE: 5-03-01

Legend

- Existing Road
- Proposed Access

TOPOGRAPHIC MAP
"B"

CONFIDENTIAL



**SHENANDOAH
ENERGY INC.**

**Wonsits Valley #13W-36-7-21
SEC. 36, T7S, R21E, S.L.B.&M.**



*Tri-State
Land Surveying Inc.*
(435) 781-2501
38 West 100 North Vernal, Utah 84078

SCALE: 1" = 2000'
DRAWN BY: bgm
DATE: 05-03-2001

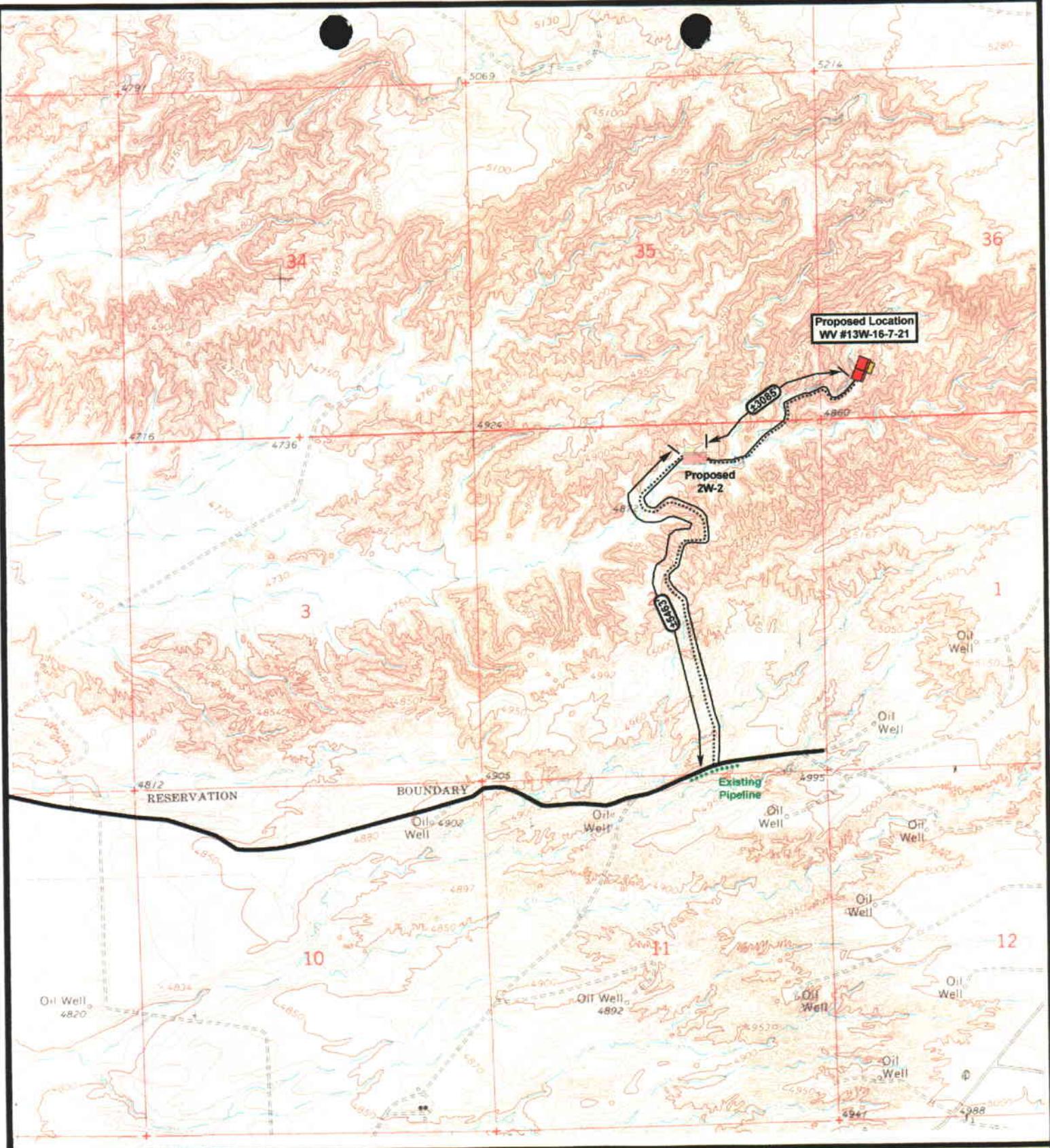
Legend

- Proposed Location
- Existing Location
- Two-Mile Radius

TOPOGRAPHIC MAP

"C"

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**SHENANDOAH
ENERGY INC.**

**Wonsits Valley
#13W-36-8-21
SEC. 36, T7S, R21E, S.L.B.&M.**



*Tri-State
Land Surveying Inc.*
(435) 781-2501
38 West 100 North Vernal, Utah 84078

SCALE: 1" = 2000'
DRAWN BY: SS
DATE: 5-03-01

Legend

- Existing Road
- Proposed Access
- Proposed Pipeline
- Existing Pipeline

TOPOGRAPHIC MAP

"D"

CONFIDENTIAL

001

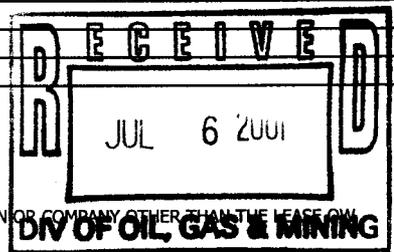
STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 3

APPLICATION FOR PERMIT TO DRILL
1A. TYPE OF WORK: DRILL [X] REENTER [] DEEPEN []
B. TYPE OF WELL OIL [] GAS [X] OTHER [] SINGLE ZONE [X] MULTIPLE ZONE []
2. NAME OF OPERATOR: SHENANDOAH ENERGY INC.
3. ADDRESS OF OPERATOR: 11002 E. 17500 S. CITY VERNAL STATE UT ZIP 84078 PHONE NUMBER: (435) 781-4341
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 721' FSL, 675' FWL SWSW AT PROPOSED PRODUCING ZONE: SAME
10. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 36 7S 21E
11. COUNTY: UINTAH 12. STATE: UT
14. DISTANCE TO NEAREST PROPERTY OR LEASE LINE(FEET) 675' +/-
15. NUMBER OF ACRES IN LEASE: 602- 640
16. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40
17. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) 2500' +/-
18. PROPOSED DEPTH 8620'
19. BOND DESCRIPTION: 159261960
20. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 4916.6' GR
21. APPROXIMATE DATE WORK WILL START: ASAP
22. ESTIMATED DURATION:

23 PROPOSED CASING AND CEMENTING PROGRAM
Table with columns: SIZE OF HOLE, CASING SIZE, GRADE, AND WEIGHT PER FOOT, SETTING DEPTH, CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT.
Rows include: 12 1/4" hole with 9 5/8" casing (K-55, 36 lb/ft, 450' depth, Premium Plus cement); 7 7/8" hole with 4 1/2" casing (N-80, 11.6 lb/ft, 1500' depth, Extended, Lite, Hi-Fill cement); 7 7/8" hole with 4 1/2" casing (J-55, 11.6 lb/ft, TD depth, Extended Class "G" cement).

24 ATTACHMENTS
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERATION GENERAL RULES:
[X] WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
[X] EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER
[X] COMPLETE DRILLING PLAN
[] FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER



NAME (PLEASE PRINT) JOHN BUSCH TITLE RED WASH OPERATIONS REPRESENTATIVE
SIGNATURE [Signature] DATE July 3-01

(This space for State use only)
API NUMBER ASSIGNED: 43-042-34100 APPROVAL:

(5/2000)

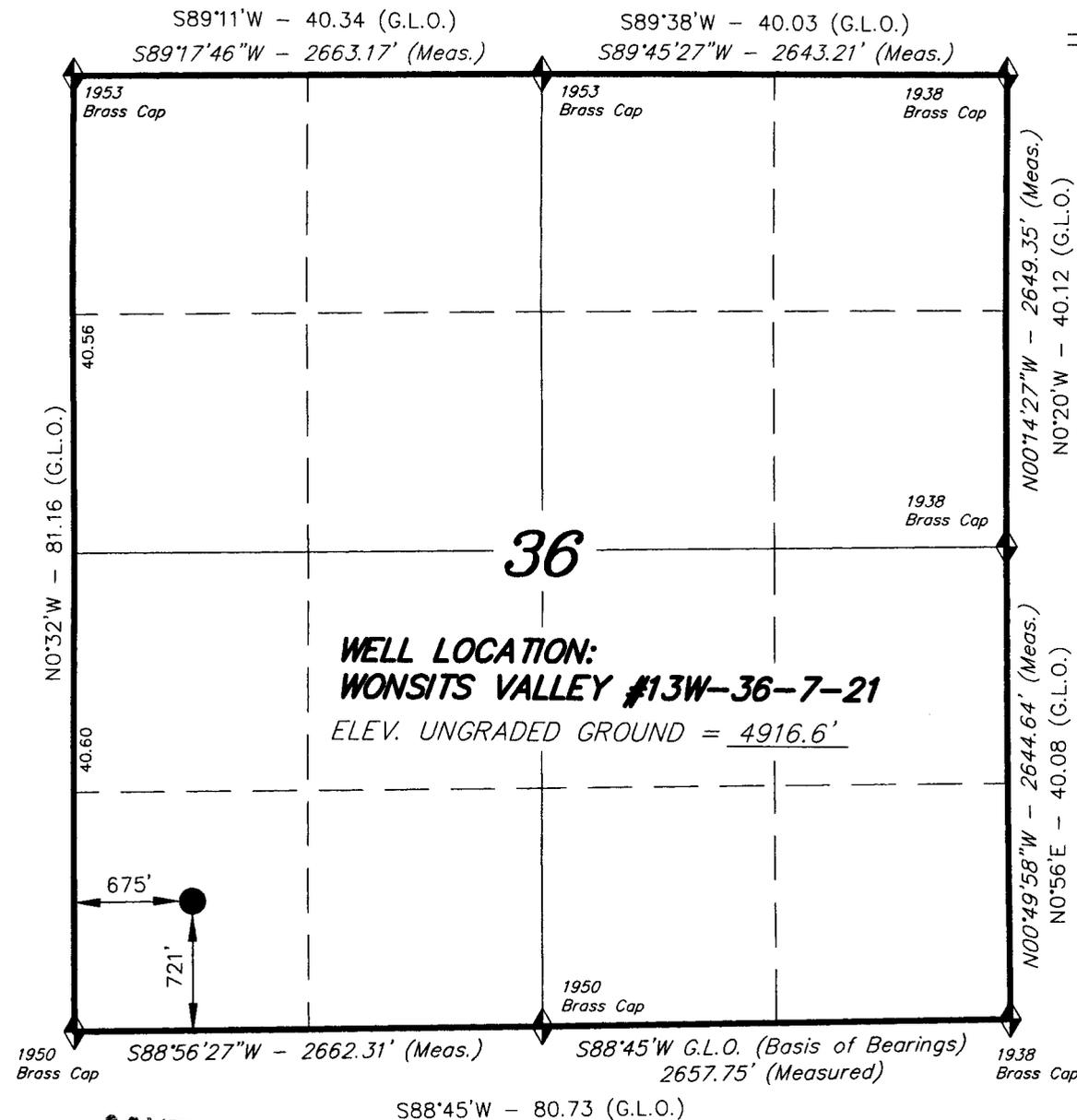
(See Instruction on Reverse Side)

Approved by the Utah Division of Oil, Gas and Mining
Date: 08-01-01
By: [Signature]

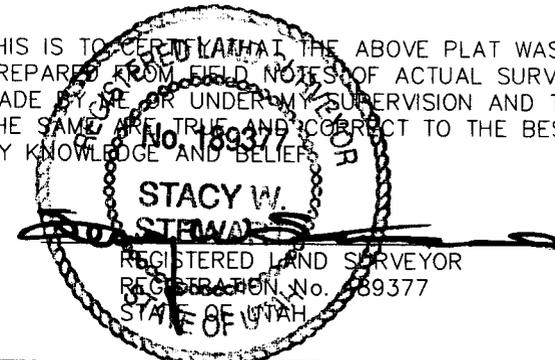
T7S, R21E, S.L.B.&M.

SHENANDOAH ENERGY, INC.

WELL LOCATION, WONSITS VALLEY #13W-36-7-21, LOCATED AS SHOWN IN THE SW 1/4 SW 1/4 OF SECTION 36, T7S, R21E, 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.



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

SCALE:	1" = 1000'	SURVEYED BY:	D.J.S.
DATE:	4-27-01	WEATHER:	COOL
DRAWN BY:	J.R.S.	FILE #	

CONFIDENTIAL

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

WONSITS VALLEY #13W-36-7-21
 LATITUDE = 40° 09' 44.77"
 LONGITUDE = 109° 30' 37.50"



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)

July 17, 2001

John Busch
Shenandoah Energy Inc.
11002 East 17500 South
Vernal, Utah 84078

Re: Applications for Permit to Drill (APD's) – Section 36, T7S, R21E, Uintah
County, Utah

Dear Mr. Busch:

Please be advised that the Division of Oil, Gas and Mining (the Division) is currently holding the APD's referenced below, pending either a lease assignment from Robert Bayless to Shenandoah Energy Inc. (Shenandoah), or a Designation of Agent/Operator for state mineral lease ML-47040.

WV 7W-36-7-21
WV 5W-36-7-21

WV 9W-36-7-21
WV 13W-36-7-21

WV 11W-36-7-21

The Division has contacted The School and Institutional Trust Lands Administration (SITLA) several times during the permit process to ensure that Shenandoah has the right to drill the referenced wells under mineral lease ML-47040. As of today nothing has been filed with SITLA, therefore the Division is unable to permit the well locations until the lease situation has been taken of.

Please contact SITLA, Ed Bonner at (801)538-5151 to file a Designation of Agent/Operator or Becky Pritchett at (801)538-5100 to file a new lease assignment.

Should you have any questions regarding this matter please call me at (801)538-5296.

Sincerely,

Lisha Cordova
Eng. Technician, Oil & Gas

cc: SITLA, Ed Bonner
Gil Hunt, Technical Services Manager, Oil & Gas

TRANSACTION REPORT

P. 01

JUL-17-2001 TUE 02:59 PM

FOR: OIL, GAS & MINING

801 359 3940

DATE	START	RECEIVER	TX TIME	PAGES	TYPE	NOTE	M#	DP
JUL-17	02:58 PM	3550922	44"	2	SEND	OK	636	
TOTAL :						44S PAGES:	2	



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

Michael O. Leavitt
 Governor
 Kathleen Clarke
 Executive Director
 Lowell P. Braxton
 Division Director

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

UTAH DIVISION OF OIL, GAS AND MINING
 FACSIMILE COVER SHEET

DATE: 7-17-01

FAX #: 355-0922

ATTN: Ed Bonner

COMPANY: SITLA

DEPARTMENT: _____

NUMBER OF PAGES: (INCLUDING THIS ONE) 2

FROM: Lisle Cordova

If you do not receive all of the pages, or if they are illegible, please call (801)538-5340.
 Our telecopier number is (801)359-3940.

TRANSACTION REPORT

P. 01

JUL-17-2001 TUE 02:55 PM

FOR: OIL, GAS & MINING

801 359 3940

DATE	START	RECEIVER	TX TIME	PAGES	TYPE	NOTE	M#	DP
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TOTAL :						43S	PAGES:	2



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

1584 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-538-3940 (Fax)
801-538-7223 (TDD)

Michael O. Leavitt
Governor
Kathleen Clarke
Executive Director
Lowell P. Braxton
Division Director

UTAH DIVISION OF OIL, GAS AND MINING
FACSIMILE COVER SHEET

DATE: 7-17-01

FAX #: (435) 781-4329

ATTN: John Busch & Kathleen Searle

COMPANY: Shenandoah Energy

DEPARTMENT: _____

NUMBER OF PAGES: (INCLUDING THIS ONE) 2

FROM: Lisha Cordova

If you do not receive all of the pages, or if they are illegible, please call (801)538-5340.
... from a sham facsimile machine. Our telecopier number is (801)359-3940.

FORM 5

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

DESIGNATION OF AGENT OR OPERATOR

The undersigned is, on record, the holder of oil and gas lease

LEASE NAME: State of Utah

LEASE NUMBER: ML-47040

and hereby designates

NAME: Shenandoah Energy Inc.

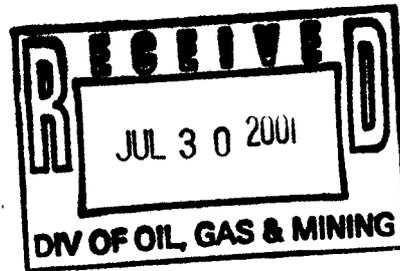
ADDRESS: 475 17th Street, Suite 1000, Denver, CO 80202

as his agent operator with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the Division Director or Authorized Agent may serve written or oral instructions in securing compliance with the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah with respect to:

Describe acreage to which this designation is applicable, and identify each applicable oil and gas well by name and API number. Attach additional pages as needed.

All Section 36, Township 7 South, Range 21 East, SLM

<u>Well Name</u>	<u>Location</u>	<u>API No.</u>
WV 5W-36-7-21	SWNW	Pending
WV 7W-36-7-21	SWNE	Pending
WV 9W-36-7-21	NESE	Pending
WV 11W-36-7-21	NESW	Pending
WV 13W-36-7-21	SWSW	Pending



It is understood that this designation of agent/operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah. It is also understood that this designation of agent or operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated agent/operator, the lessee will make full and prompt compliance with all rules, lease terms or orders of the Board of Oil, Gas and Mining of the State of Utah or its authorized representative.

The lessee agrees to promptly notify the Division Director or Authorized Agent of any change in this designation.

Effective Date of Designation: July 20, 2001

BY: (Name) Robert L. Bayless, Jr.

(Signature) [Signature]

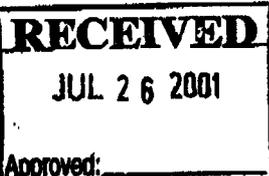
(Title) Robert L. Bayless, Jr.

(Phone) (303) 296-9900

OF: (Company) [Signature]

(Address) 621 Seventeenth St., Suite 1640

Denver, Co 80293



003

SHENANDOAH ENERGY INC.

11002 East 17500 South
Vernal, UT 84078

July 27, 2001

Ed Bonner
State Trust Lands
675 East 500 South STE 500
Salt Lake City, UT 84114-5801

Dear Ed:

Please find attached original copy of the Designation of Agent/Operator. The Division of Oil, Gas, and Mining is currently holding the APD's referenced below, pending this information.

WV 7W-36-7-21
WV 5W-36-7-21

WV 9W-36-7-21
WV 13W-36-7-21

WV 11W-36-7-21

Should you have any questions regarding this matter please contact me at (435)781-4355.

Thank You,



Ann Petrik
Operations Assistant

**SITLA appr. 8-1-01. jc*

cc: Division of Oil, Gas and Mining, Lisha Cordova



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 1, 2001

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

Re: Wonsits Valley 13W-36-7-21 Well, 721' FSL, 675' FWL, SW SW, Sec. 36, T. 7 South,
R. 21 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 43-047-34100.

Sincerely,

A handwritten signature in black ink, appearing to read "John R. Baza".

John R. Baza
Associate Director

er

Enclosures

cc: Uintah County Assessor
SITLA

Operator: Shenandoah Energy, Inc.
Well Name & Number Wonsits Valley 13W-36-7-21
API Number: 43-047-34100
Lease: ML ~~47047~~ 47040_{pc}
Location: SW SW **Sec.** 36 **T.** 7 South **R.** 21 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**
The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:
 - 24 hours prior to cementing or testing casing
 - 24 hours prior to testing blowout prevention equipment
 - 24 hours prior to spudding the well
 - within 24 hours of any emergency changes made to the approved drilling program
 - prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

 - Dan Jarvis at (801) 538-5338
 - Carol Daniels at (801) 538-5284 (spud)
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. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)
6. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

5. Lease Serial No.
~~ML-47047~~ ML-47040

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

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well
 Oil Well Gas Well Other

8. Well Name and No.
WONSITS VALLEY 13W 36 7 21

2. Name of Operator
SHENANDOAH ENERGY INC. Contact: ANN PETRIK
E-Mail: apetrik@shenandoahenergy.com

9. API Well No.
43-047-34100

3a. Address
11002 EAST 17500 SOUTH
VERNAL, UT 84078

3b. Phone No. (include area code)
Ph: 435.781.4306
Fx: 435.781.4329

10. Field and Pool, or Exploratory
UNDESIGNATED

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 36 T7S R21E SWSW 721FSL 675FWL

11. County or Parish, and State
UINTAH COUNTY, UT

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Well Spud
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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

THIS WELL WAS SPUD 9/4/01. DRILL 12 1/4" HOLE TO 482'. RUN 11 JNTS 9 5/8" 36# CASING TO 474'.

RECEIVED
OCT 12 2001
DIVISION OF
OIL, GAS AND MINERALS

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #7709 verified by the BLM Well Information System For SHENANDOAH ENERGY INC., sent to the Vernal

Name (Printed/Typed) ANN PETRIK Title ADMINISTRATIVE CONTACT

Signature (Electronic Submission) Date 10/11/2001

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____ Title _____ Date _____

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

Office _____

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

** ORIGINAL **

CONFIDENTIAL

009

State of Utah
Division of Oil, Gas and Mining

CONFIDENTIAL

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
A	99999	13333	43-047-34100	WV 13W 36 7 21	SWSW	36	7S	21E	Uintah	09/04/01	10-12-01

WELL 1 COMMENTS:

New well to be drilled in Wonsits Valley. Not in the Wasatch participating area. 10-12-01

WELL 2 COMMENTS:

WELL 3 COMMENTS:

WELL 4 COMMENTS:

WELL 5 COMMENTS:

ACTION CODES (See instructions on back of form)

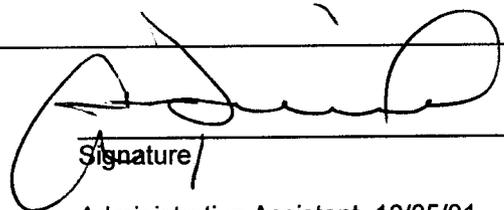
- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

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

(3/89)

RECEIVED

DIVISION OF
OIL, GAS AND MINING



Signature /
Administrative Assistant 10/05/01
Title Date

Phone No. (801) 781-4306

CONFIDENTIAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

010

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) 781-4306

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
721' FSL, 675' FWL, SWSW, SECTION 36, T7S, R21E, SLBM

5. Lease Designation and Serial No.
ML-47040

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

7. If Unit or CA, Agreement Designation
N/A

8. Well Name and No.
WV 13W 36 7 21

9. API Well No.
43-047-34100

10. Field and Pool, or Exploratory Area
UNDESIGNATED

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>FIRST PRODUCTION</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 COMMENCED PRODUCTION 10/11/01.

14. I hereby certify that the foregoing is true and correct.
 Signed A. Petrik Title Administrative Assistant Date 11/15/01

(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

CONFIDENTIAL

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.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
WASATCH	7452	7480	CHANNEL SAND	GREEN RIVER	3036
WASATCH	7904	7916	CHANNEL SAND	MAHOGANY	3976
WASATCH	8094	8124	CHANNEL SAND	WASATCH	6566
WASATCH	8330	8342	CHANNEL SAND		
CONFIDENTIAL					

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 #9707 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 (Electronic Submission) Date 12/07/2001

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

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



United States Department of the Interior

well
43-047-34100
7S 21E 36

BUREAU OF LAND MANAGEMENT

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

RECEIVED

NOV 27 2002

DIV. OF OIL, GAS & MINING

IN REPLY REFER TO
UT-922

November 27, 2002

Shenandoah Energy, Inc.
c/o UnitSource Incorporated
11184 Huron Street, Suite 16
Denver, Colorado 80234

Re: Initial Wasatch-Mesaverde Formation PA "A" 13676.
Initial Wasatch-Mesaverde Formation PA "B" 13677.
Initial Wasatch-Mesaverde Formation PA "C" 13678.
Initial Wasatch-Mesaverde Formation PA "D" 13679.
Stirrup Unit
Uintah County, Utah

Gentlemen:

The Initial Wasatch-Mesaverde Formation PA "A", Stirrup Unit, UTU80250A, is hereby approved effective as of December 1, 2002, pursuant to Section 10 of the Stirrup Unit Agreement, Uintah County, Utah. The Initial Wasatch-Mesaverde Formation Participating Area "A" results in an Initial Participating Area of 160.00 acres and is based upon the completion of Well No. 2W-9-8-21, API No. 43-047-33905, located in the NW $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 9, Township 8 South, Range 21 East, SLM&B, Federal Unit Tract No. 3, Lease No. UTU0805, as being a well capable of producing unitized substances in paying quantities.

The Initial Wasatch-Mesaverde Formation PA "B", Stirrup Unit, UTU80250B, is hereby approved effective as of December 1, 2002, pursuant to Section 10 of the Stirrup Unit Agreement, Uintah County, Utah. The Initial Wasatch-Mesaverde Formation Participating Area "B" results in an Initial Participating Area of 160.56 acres and is based upon the completion of Well No. 2W-3-8-21, API No. 43-047-34207, located in the NW $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 3, Township 8 South, Range 21 East, SLM&B, Federal Unit Tract No. 2, Lease No. UTU0802, as being a well capable of producing unitized substances in paying quantities.

The Initial Wasatch-Mesaverde Formation PA "C", Stirrup Unit, UTU80250C, is hereby approved effective as of December 1, 2002, pursuant to Section 10 of the Stirrup Unit Agreement, Uintah County, Utah. The Initial Wasatch-Mesaverde Formation Participating Area "C" results in an Initial Participating Area of 321.10 acres and is based upon the completion of Well No. 2W-2-8-21, API No. 43-047-34034, located in the NW $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 2, Township 8 South, Range 21 East, SLM&B, Federal Unit Tract No. 19, State Lease ML-2785; Well No. 11W-36-7-21, API No. 43-047-34067, located in the NE $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 36, Township 7 South, Range 21 East, SLM&B, Federal

Unit Tract No. 21, State Lease ML-47040; Well No. 13W-36-7-21, API No. 43-047-34100, located in the SW¼ SW¼ of Section 36, Township 7 South, Range 21 East, SLM&B, Federal Unit Tract No. 21, State Lease ML-47040, as being wells capable of producing unitized substances in paying quantities.

The Initial Wasatch-Mesaverde Formation PA "D", Stirrup Unit, UTU80250D, is hereby approved effective as of December 1, 2002, pursuant to Section 10 of the Stirrup Unit Agreement, Uintah County, Utah. The Initial Wasatch-Mesaverde Formation Participating Area "D" results in an Initial Participating Area of 160.00 acres and is based upon the completion of Well No. 7W-34-7-21, API No. 43-047-34380, located in the SW¼ NE¼ of Section 34, Township 7 South, Range 21 East, SLM&B, Federal Unit Tract No. 5, Lease No. UTU16551, as being a well capable of producing unitized substances in paying quantities.

Copies of the approved request are being distributed to the appropriate agencies and one copy is returned herewith. Please advise all interested parties of the establishment of the Initial Wasatch-Mesaverde Formation Participating Area "A", Initial Wasatch-Mesaverde Formation Participating Area "B", Initial Wasatch-Mesaverde Formation Participating Area "C" and Initial Wasatch-Mesaverde Formation Participating Area "D", Stirrup Unit, and their effective dates.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

bcc: Minerals Adjudication Group w/exhibit b
Division of Oil, Gas & Mining
SITLA
Stirrup Unit w/enclosure
MMS - Data Management Division (Attn: Rose Davalos)
Field Manager - Vernal w/enclosure
Agr. Sec. Chron.
Fluid Chron.

UT922:TATHOMPSON:tt:11/27/02

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: n/a

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 8/28/2003

2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 8/28/2003

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:



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 02 2003

DIV. OF OIL, GAS & MINING

BEI (N4235) to QEP (N2460) STIRRUP UNIT

well_name	Sec	T	R	api	Entity	Lease Type	type	stat	
WV 2W-9-8-21	09	080S	210E	4304733905	13676	Federal	GW	P	
WV 2W-3-8-21	03	080S	210E	4304734207	13677	Federal	GW	P	
SU PURDY 7W-34-7-21	34	070S	210E	4304734380	13679	Federal	GW	S	C
WV 2W-2-8-21	02	080S	210E	4304734034	13678	State	GW	P	
WV 11W-36-7-21	36	070S	210E	4304734067	13678	State	GW	P	
WV 13W-36-7-21	36	070S	210E	4304734100	13678	State	GW	P	



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: Stirrup Unit
Uintah County, Utah

Gentlemen:

On May 30, 2003, we received an indenture dated February 1, 2003, whereby Shenandoah Energy, Inc. changed its name and QEP Uinta Basin, Inc. was designated as Successor Unit Operator for the Stirrup 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 Stirrup Unit Agreement.

Your nationwide (Eastern States) oil and gas bond No. B000024 will be used to cover all operations within the Stirrup 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 – Stirrup Unit (w/enclosure)
Agr. Sec. Chron
Fluid Chron

UT922:TAThompson:tt:6/9/03

JUL 07 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 Uinta Basin
MF0

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

WELL NAME	CA No.	Unit:	STIRRUP UNIT	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

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/19/2007
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/16/2007
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 1/31/2005
- Is the new operator registered in the State of Utah: Business Number: 764611-0143
- (R649-9-2)Waste Management Plan has been received on: IN PLACE
- Inspections of LA PA state/fee well sites complete on: n/a
- Reports current for Production/Disposition & Sundries on: n/a
- 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
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: 4/23/2007
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: _____
- 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:

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

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: ESB000024
- Indian well(s) covered by Bond Number: 799446
- (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 965003033
- The **FORMER** operator has requested a release of liability from their bond on: n/a

LEASE INTEREST OWNER NOTIFICATION:

- (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)
STIRRUP 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
LEOTA FED 1	LEOTA 1-34-2B	NENE	34	070S	210E	4304730879	5420	Federal	OW	P
WV 2W-9-8-21	WV 2W-9-8-21	NWNE	09	080S	210E	4304733905	13676	Federal	GW	P
WV 2W-3-8-21	WV 2W-3-8-21	NWNE	03	080S	210E	4304734207	13677	Federal	GW	P
SU PURDY 7W-34-7-21	SU PURDY 7W-34-7-21	SWNE	34	070S	210E	4304734380	13679	Federal	GW	S
SU PURDY 14M-30-7-22	SU PURDY 14M-30-7-22	SESW	30	070S	220E	4304734384	13750	Federal	GW	P
SU BW 6M-7-7-22	SU BW 6M-7-7-22	SESW	07	070S	220E	4304734837	13966	Federal	GW	P
SU 11MU-9-8-21	SU 11MU-9-8-21	NESW	09	080S	210E	4304735412	14143	Federal	GW	P
SU 8M-12-7-21	SU 8M-12-7-21	SENE	12	070S	210E	4304736096		Federal	GW	APD
SUBW 14M-7-7-22	SUBW 14M-7-7-22	SESW	07	070S	220E	4304736136	15734	Federal	GW	DRL
SU 16M-7-7-22	SU 16M-7-7-22	SESE	07	070S	220E	4304736137		Federal	GW	APD
SUBW 8M-7-7-22	SUBW 8M-7-7-22	SENE	07	070S	220E	4304736138		Federal	GW	APD
HB 14ML-9-7-22	TU 14-9-7-22	SESW	09	070S	220E	4304737345		Federal	GW	APD
WV 2W-2-8-21	WV 2W-2-8-21	NWNE	02	080S	210E	4304734034	13678	State	GW	P
WV 11W-36-7-21	WV 11W-36-7-21	NESW	36	070S	210E	4304734067	13678	State	GW	S
WV 5W-36-7-21	WV 5W-36-7-21	SWNW	36	070S	210E	4304734099	13807	State	GW	DRL
WV 13W-36-7-21	WV 13W-36-7-21	SWSW	36	070S	210E	4304734100	13678	State	GW	P

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

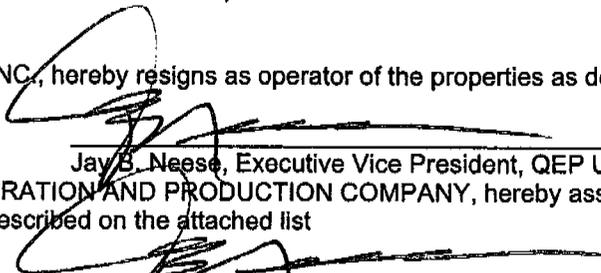
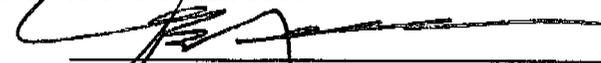
FORM 9

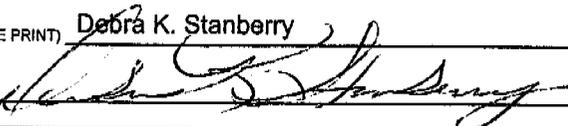
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: see attached
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: see attached
		7. UNIT or CA AGREEMENT NAME: see attached
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____	8. WELL NAME and NUMBER: see attached	
2. NAME OF OPERATOR: QUESTAR EXPLORATION AND PRODUCTION COMPANY		9. API NUMBER: attached
3. ADDRESS OF OPERATOR: 1050 17th Street Suite 500 CITY Denver STATE CO ZIP 80265		10. FIELD AND POOL, OR WILDCAT:
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		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>1/1/2007</u> <input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: <u>Operator Name Change</u>

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) <u>Debra K. Stanberry</u>	TITLE <u>Supervisor, Regulatory Affairs</u>
SIGNATURE 	DATE <u>3/16/2007</u>

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DIV. OF OIL, GAS & MINING

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: see attached
2. NAME OF OPERATOR: QUESTAR EXPLORATION AND PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: see attached
3. ADDRESS OF OPERATOR: 1050 17th Street Suite 500 Denver STATE CO ZIP 80265		7. UNIT or CA AGREEMENT NAME: see attached
4. LOCATION OF WELL: FOOTAGES AT SURFACE: attached COUNTY: Uintah QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: UTAH		8. WELL NAME and NUMBER: see attached
PHONE NUMBER: (303) 308-3068		9. API NUMBER: attached
		10. FIELD AND POOL, OR WILDCAT:

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

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

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

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) <u>Debra K. Stanberry</u>	TITLE <u>Supervisor, Regulatory Affairs</u>
SIGNATURE	DATE <u>4/17/2007</u>

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APR 19 2007
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
3180
UT-922

April 23, 2007

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

Re: Stirrup 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 Stirrup 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 Stirrup Unit Agreement.

Your nationwide oil and gas bond No. ESB000024 will be used to cover all federal operations within the Stirrup 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 - Stirrup Unit (w/enclosure)
Agr. Sec. Chron
Reading File
Central Files

UT922:TAThompson:tt:4/23/07

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APR 30 2007

DIV. OF OIL, GAS & MINING

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

WELL NAME		CA No.	Unit:	JOHNSON BOTTOM			
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

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/28/2010
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/28/2010
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/24/2010
- Is the new operator registered in the State of Utah: Business Number: 6764611-0143
- (R649-9-2) Waste Management Plan has been received on: Requested
- Inspections of LA PA state/fee well sites complete on: n/a
- Reports current for Production/Disposition & Sundries on: ok
- 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
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: 8/16/2010
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- 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:

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

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: ESB000024
- Indian well(s) covered by Bond Number: 965010693
- (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 965010695
- The **FORMER** operator has requested a release of liability from their bond on: n/a

LEASE INTEREST OWNER NOTIFICATION:

- (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		5. LEASE DESIGNATION AND SERIAL NUMBER: See attached
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: See attached
		7. UNIT or CA AGREEMENT NAME: See attached
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		8. WELL NAME and NUMBER: See attached
2. NAME OF OPERATOR: Questar Exploration and Production Company N5085		9. API NUMBER: Attached
3. ADDRESS OF OPERATOR: 1050 17th Street, Suite 500 <small>CITY</small> Denver <small>STATE</small> CO <small>ZIP</small> 80265	PHONE NUMBER: (303) 672-6900	10. FIELD AND POOL, OR WILDCAT: See attached
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		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>6/14/2010</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Operator Name Change</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

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) <u>Morgan Anderson</u>	TITLE <u>Regulatory Affairs Analyst</u>
SIGNATURE	DATE <u>6/23/2010</u>

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JUN 28 2010

DIV. OF OIL, GAS & MINING

APPROVED 6/13/2010
Earlene Russell
Earlene Russell, Engineering Technician

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

well_name	sec	twp	rng	api	entity	mineral lease	type	stat	C
LEOTA 1-34-2B	34	070S	210E	4304730879	5420	Federal	OW	P	
WV 7W-36-7-21	36	070S	210E	4304734065	13334	State	D	PA	
WV 9W-36-7-21	36	070S	210E	4304734066	13331	State	D	PA	
WV 11W-36-7-21	36	070S	210E	4304734067	13678	State	GW	PA	
WV 5W-36-7-21	36	070S	210E	4304734099	13807	State	GW	OPS	C
WV 13W-36-7-21	36	070S	210E	4304734100	13678	State	GW	P	
SU PURDY 7W-34-7-21	34	070S	210E	4304734380	13679	Federal	GW	P	
BBE 15G-16-7-21	16	070S	210E	4304735408	14070	State	OW	P	
BBS 15G-22-7-21	22	070S	210E	4304737443	15688	Federal	OW	P	C
TU 3-35-7-21	35	070S	210E	4304738995	16512	Federal	GW	P	
SU PURDY 3M-25-7-21	25	070S	210E	4304739179		Federal	OW	APD	C
JB 4G-27-7-21	27	070S	210E	4304739180		Federal	OW	APD	C
SU PURDY 10G-27-7-21	27	070S	210E	4304739181		Federal	OW	APD	C
JB 8G-21-7-21	21	070S	210E	4304740613	17595	Federal	OW	DRL	C
JB 12G-27-7-21	27	070S	210E	4304740614		Federal	OW	APD	C
JB 1G-28-7-21	28	070S	210E	4304740615		Federal	OW	APD	C
JB 15G-34-7-21	34	070S	210E	4304740616		Federal	OW	APD	C

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>



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

Robert 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 & MINERALS

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: ML-47040
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: _____
1. TYPE OF WELL Gas Well		7. UNIT or CA AGREEMENT NAME: JOHNSON BOTTOM
2. NAME OF OPERATOR: QEP ENERGY COMPANY		8. WELL NAME and NUMBER: WV 13W-36-7-21
3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078		9. API NUMBER: 43047341000000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0721 FSL 0675 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 36 Township: 07.0S Range: 21.0E Meridian: S		9. FIELD and POOL or WILDCAT: WONSITS VALLEY
		COUNTY: UINTAH
		STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 6/2/2014	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input checked="" type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

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

QEP ENERGY COMPANY IS PROPOSING TO ADD ADDITIONAL PERFORATIONS TO THE GREEN RIVER FORMATION AS FOLLOWS: SET CIBP @7,400'. STAGE 1: PERFORATE FROM 6,385'-6,714', 3 SHOTS PER FOOT, FRAC WITH GELLED WATER. SET CBP @6,150'. STAGE 2: PERFORATE FROM 5,887'-6,099', 3 SHOTS PER FOOT, FRAC WITH GELLED WATER. SET CBP @5,400'. STAGE 3: PERFORATE FROM 4,968'-5,340', 3 SHOTS PER FOOT, FRAC WITH GELLED WATER.

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

Date: _____
 By: June 02, 2014
D. K. Duff

Please Review Attached Conditions of Approval

NAME (PLEASE PRINT) Benna Muth	PHONE NUMBER 435 781-4320	TITLE Regulatory Assistant
SIGNATURE N/A	DATE 6/2/2014	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43047341000000

A minimum 100' cement plug should be placed on CIBP@ 7400' for permanent plugback of the open Wasatch perms as required by R649-3-24-3.2.