

002

CONFIDENTIAL

RECEIVED

JUN 13 2002

DIVISION OF OIL, GAS AND MINING

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

FORM 3

APPLICATION FOR PERMIT TO DRILL

5. MINERAL LEASE NO: ML-22049 6. SURFACE: STATE
1A. TYPE OF WORK: DRILL [X] REENTER [ ] DEEPEN [ ]
B. TYPE OF WELL [ ] OIL [X] GAS 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) 4441854 Y 892' FSL, 1801' FWL 40.11848 AT SURFACE: 632389 X -109.44643 AT PROPOSED PRODUCING ZONE: SESW, SECTION 16, T8S, R22E
10. FIELD AND POOL, OR WILDCAT: GLEN BENCH Kennedy Wash
11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 16 8S 22E
12. COUNTY: UINTAH 13. STATE: UTAH
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 7+- MILES WEST OF REDWASH, UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE(FEET) 892 +/-
16. NUMBER OF ACRES IN LEASE: 640
17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) 1500 +/-
19. PROPOSED DEPTH 7500
20. BOND DESCRIPTION: U-0969
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 4857' KB
22. APPROXIMATE DATE WORK WILL START: ASAP
23. ESTIMATED DURATION: 10 DAYS

PROPOSED CASING AND CEMENTING PROGRAM

Table with 4 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 and 7-7/8" hole with 4-1/5" casing.

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
[ ] EVIDENCE 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 Construction Supervisor
SIGNATURE [Signature] DATE 12-Jun-02

(This space for State use only)

API NUMBER ASSIGNED: 43-047-34619 APPROVAL: [Signature]

(11/2001)

(See Instruction on Reverse Side)

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      | 2444'        |                                |
| Mahogany Ledge   | 3339'        |                                |
| Wasatch          | 5814'        |                                |
| TD (Wasatch)     | 7500'        |                                |

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          | 7500'        |

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.

**REVISED**

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 | 7500'        | 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.

**REVISED**

## 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.

**REVISED**

DRILLING PROGRAM

9. Cementing Program

| <u>Casing</u> | <u>Volume</u>                | <u>Type &amp; 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 (257 sx) calculated. Tail plug used. Allowed to set under pressure   |
| Production    | 701 sx* Lead<br>345 sx* Tail | Lead/Tail oilfield type cement circulated in place .<br>Tail slurry: Extended Class "G" + gilsonite and additives as required, mixed to 14.35 ppg, yield = 1.25 cf/sx. Fill to 6355' (±300' above top of Lower Wasatch).<br>Cement Characteristics:<br>Lead slurry: Extended, Lite, Hi-fill + extender and additives as required, mixed to 11.0 ppg, yield = 3.81 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.

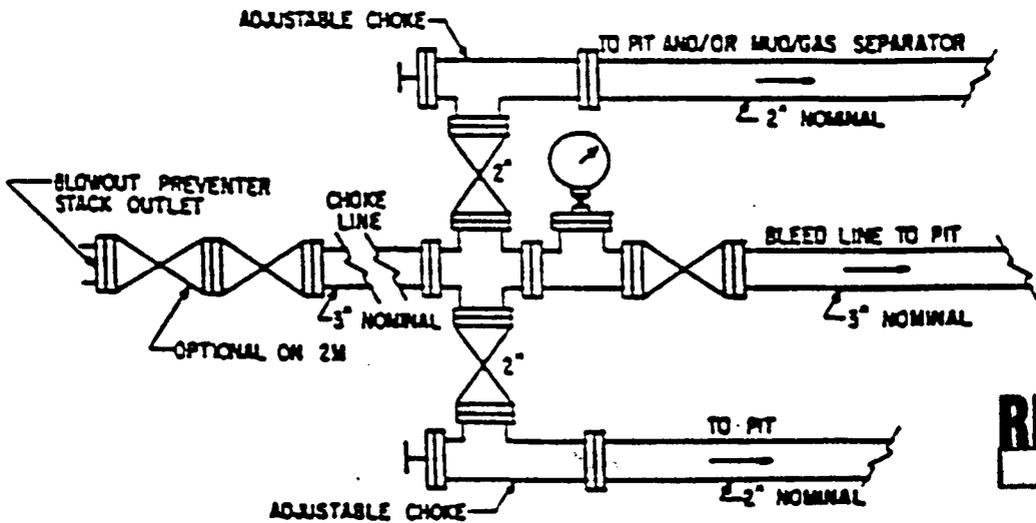
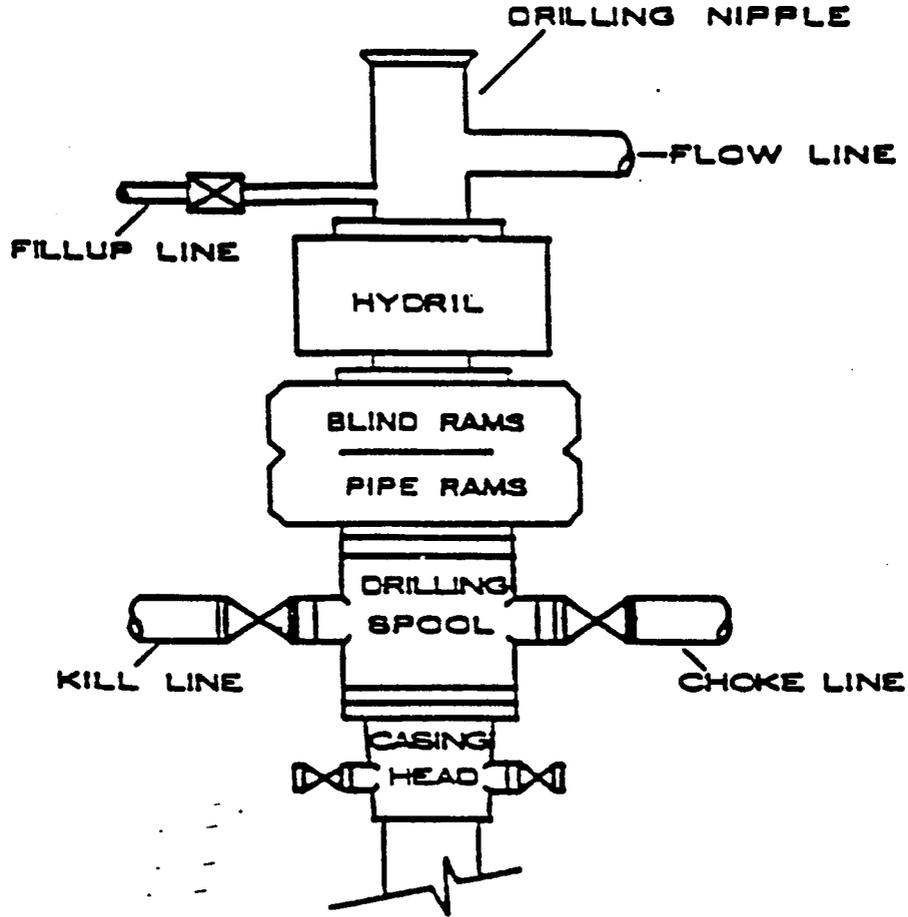
10. Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards

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 3000.0 psi. Maximum anticipated bottom hole temperature is 140° F.

**REVISED**

# Drilling Program

## SCHEMATIC DIAGRAM OF 3,000 PSI BOP STACK



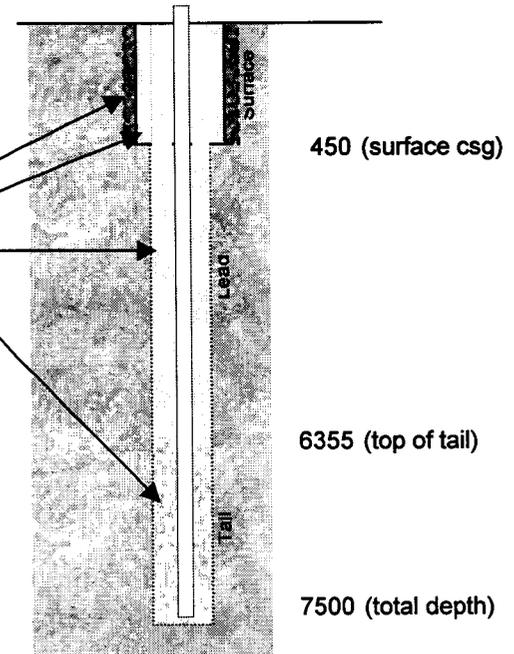
**REVISED**

**Cement Calculations V2**

x-rg (3jul01)

| Interval | wo factor | hole dia | csg dia | cf/f  | yield | sxs/ft | feet | sxs |
|----------|-----------|----------|---------|-------|-------|--------|------|-----|
| Surf Csg | 1.2       | 12.25    | 9.625   | 0.673 | 1.18  | 0.571  | 450  | 257 |
| Lead1    | 1.2       | 9.625    | 4.5     | 0.617 | 3.81  | 0.162  | 450  | 73  |
| Lead2    | 1.2       | 7.875    | 4.5     | 0.377 | 3.81  | 0.099  | 6355 | 628 |
| Tail     | 1.2       | 7.875    | 4.5     | 0.377 | 1.25  | 0.301  | 1145 | 345 |

|              |                 |
|--------------|-----------------|
| surf csg     | 257 sxs         |
| total lead   | 701 sxs         |
| total tail   | 345 sxs         |
| <b>total</b> | <b>1303 sxs</b> |



**REVISED**

**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.

**June 12, 2002**

John Busch

John Busch  
Red Wash Operations Representative

Date

# SHENANDOAH ENERGY INC.

**OU GB #14W-16-8-22**

LOCATED IN UTAH COUNTY, UTAH  
SECTION 16, T8S, R22E, S.L.B.&M.

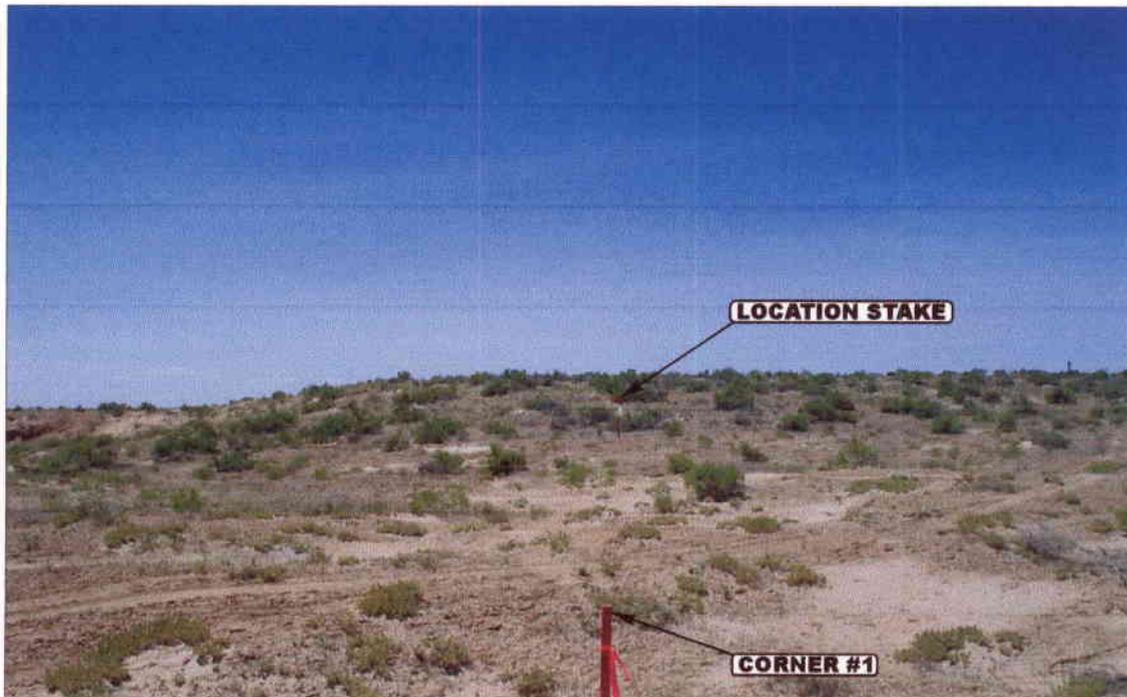


PHOTO: VIEW FROM CORNER #1 TO LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY

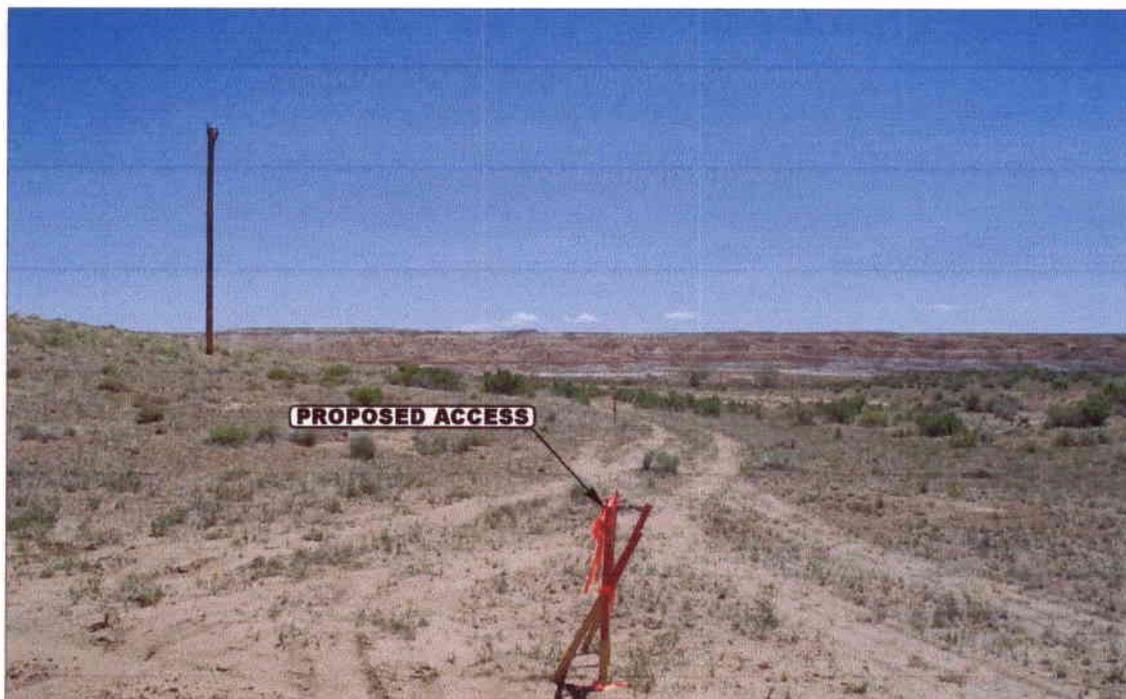


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHEASTERLY



**U  
E  
L  
S** Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
435-789-1017 uels@uelsinc.com

- Since 1964 -

LOCATION PHOTOS

6

MONTH

4

DAY

02

YEAR

PHOTO

TAKEN BY: D.A.

DRAWN BY: K.G.

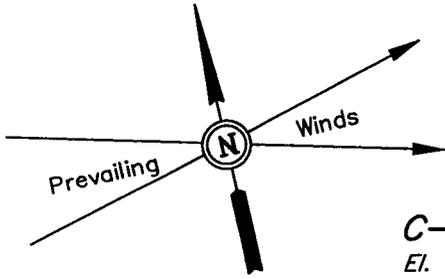
REVISED: 00-00-00

SHENANDOAH ENERGY, INC.

FIGURE #1

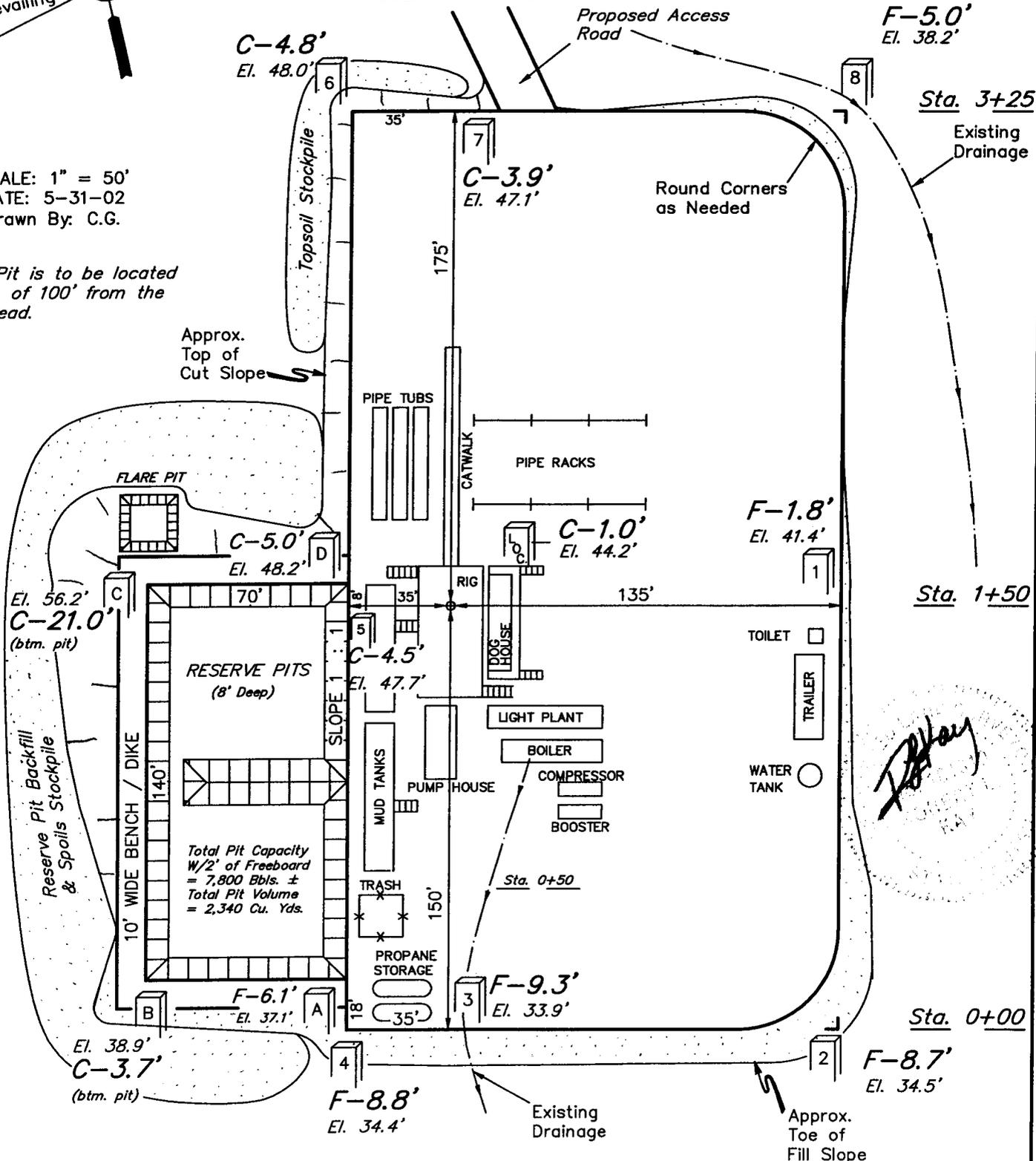
LOCATION LAYOUT FOR

OU GB #14-16-8-22  
SECTION 16, T8S, R22E, S.L.B.&M.  
892' FSL 1801' FWL



SCALE: 1" = 50'  
DATE: 5-31-02  
Drawn By: C.G.

NOTE:  
Flare Pit is to be located a min. of 100' from the Well Head.



NOTES:

Elev. Ungraded Ground At Loc. Stake = 4844.2'  
FINISHED GRADE ELEV. AT LOC. STAKE = 4843.2'

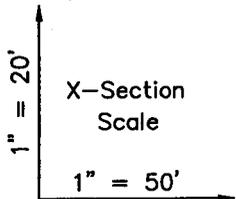
UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

# SHENANDOAH ENERGY, IN

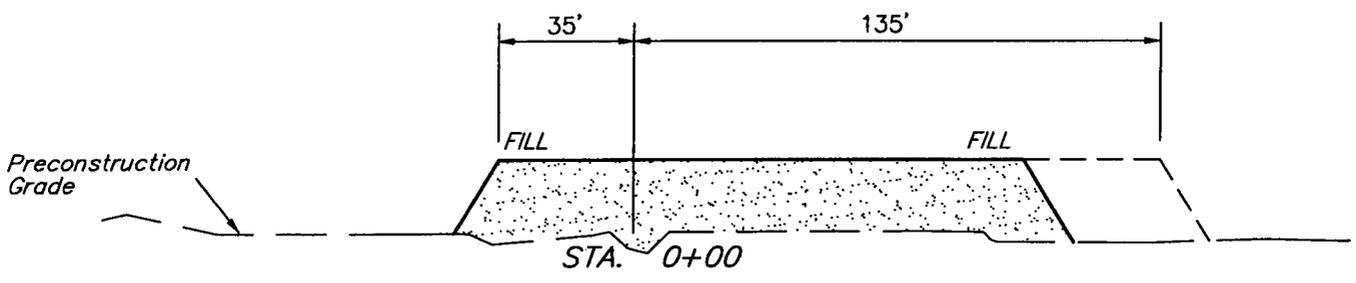
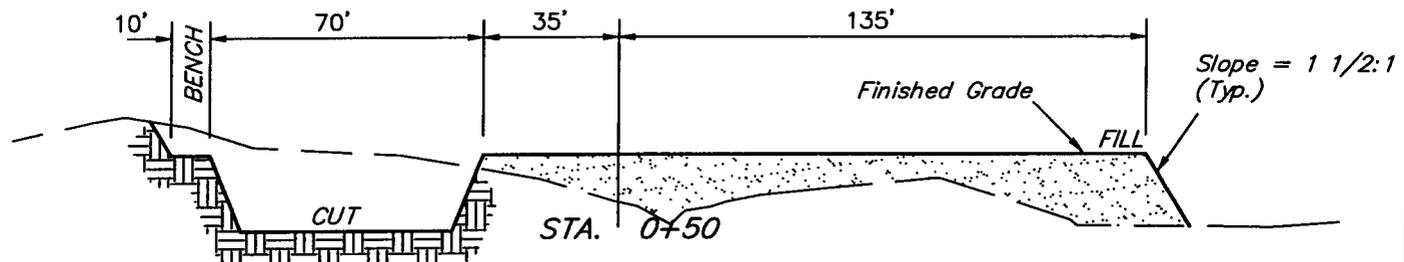
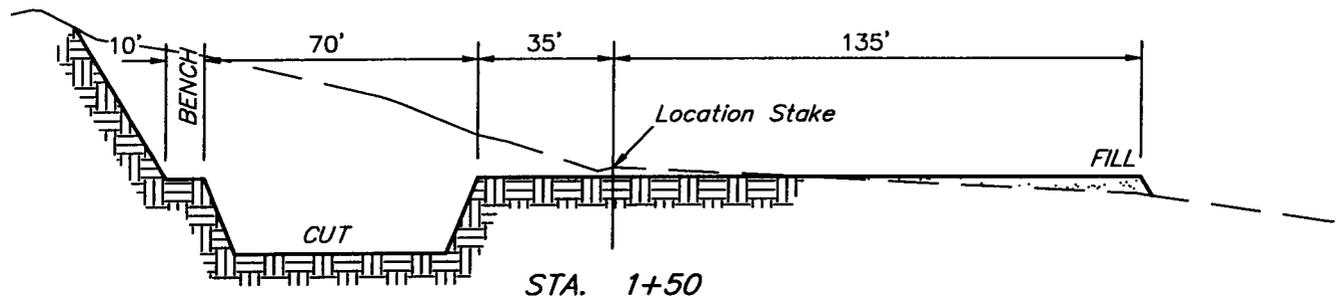
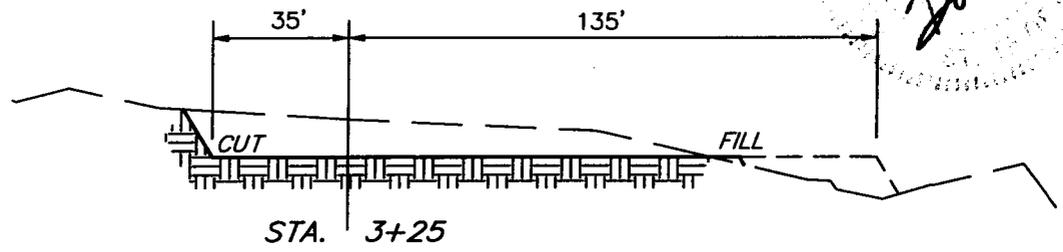
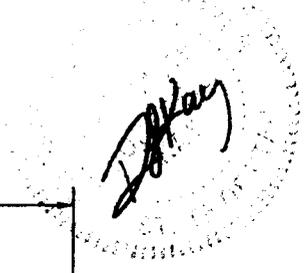
**FIGURE #2**

## TYPICAL CROSS SECTIONS FOR

OU GB #14<sup>W</sup>16-8-22  
SECTION 16, T8S, R22E, S.L.B.&M.  
892' FSL 1801' FWL



DATE: 5-31-02  
Drawn By: C.G.

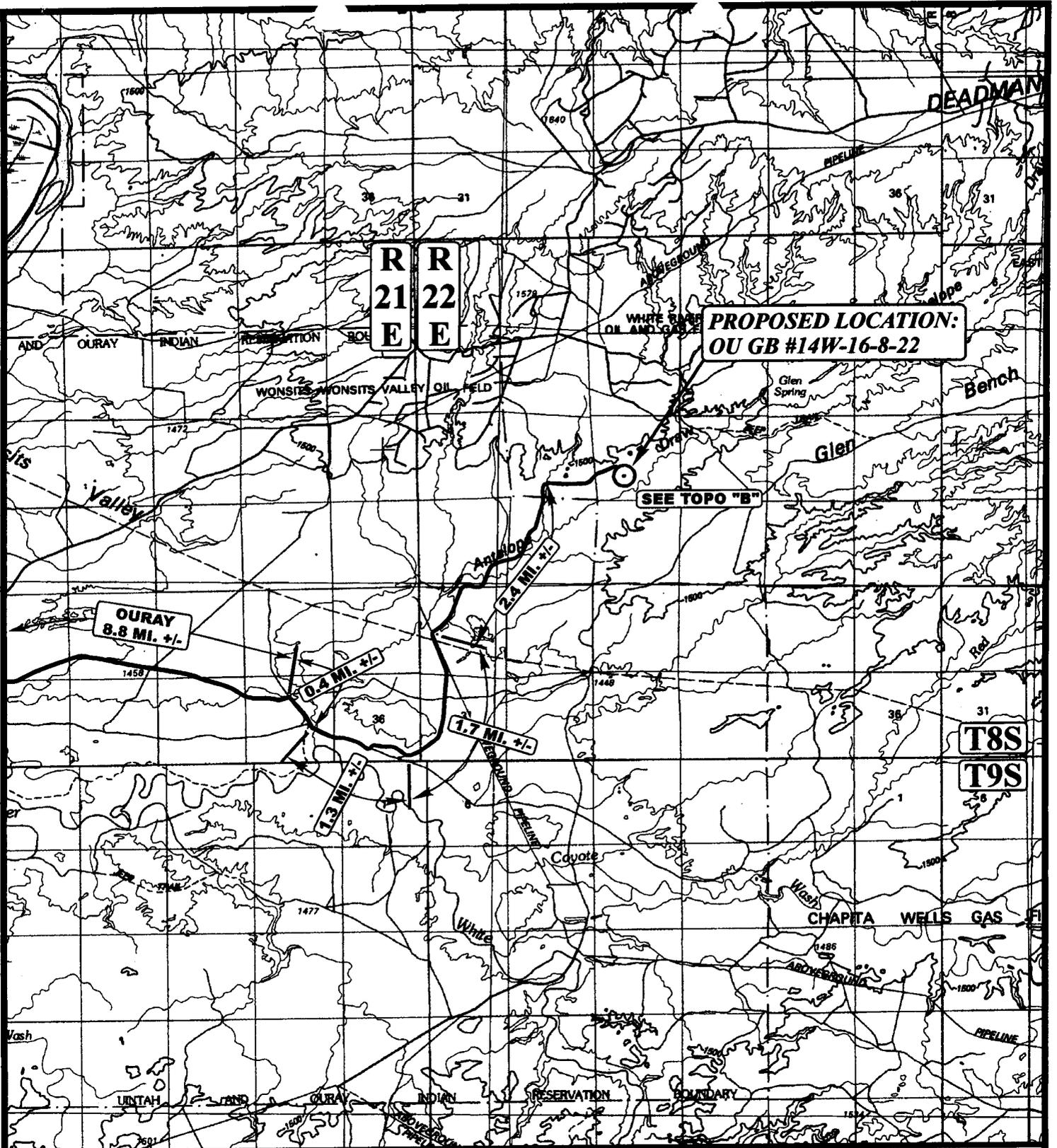


### APPROXIMATE YARDAGES

|                        |                        |
|------------------------|------------------------|
| CUT                    |                        |
| (6") Topsoil Stripping | = 1,260 Cu. Yds.       |
| Remaining Location     | = 6,590 Cu. Yds.       |
| <b>TOTAL CUT</b>       | <b>= 7,850 CU.YDS.</b> |
| <b>FILL</b>            | <b>= 5,150 CU.YDS.</b> |

|   |                  |
|---|------------------|
| EXCESS MATERIAL AFTER 5% COMPACTION     | = 2,430 Cu. Yds. |
| Topsoil & Pit Backfill (1/2 Pit Vol.)   | = 2,430 Cu. Yds. |
| EXCESS UNBALANCE (After Rehabilitation) | = 0 Cu. Yds.     |

**UINTAH ENGINEERING & LAND SURVEYING**  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017



**PROPOSED LOCATION:  
OU GB #14W-16-8-22**

SEE TOPO "B"

OURAY  
8.8 MI. +/-

0.4 MI. +/-

1.7 MI. +/-

2.4 MI. +/-

T8S

T9S

**LEGEND:**

⊙ PROPOSED LOCATION



**SHENANDOAH ENERGY, INC.**

**OU GB #14W-16-8-22  
SECTION 16, T8S, R22E, S.L.B.&M.  
892' FSL 1801' FWL**



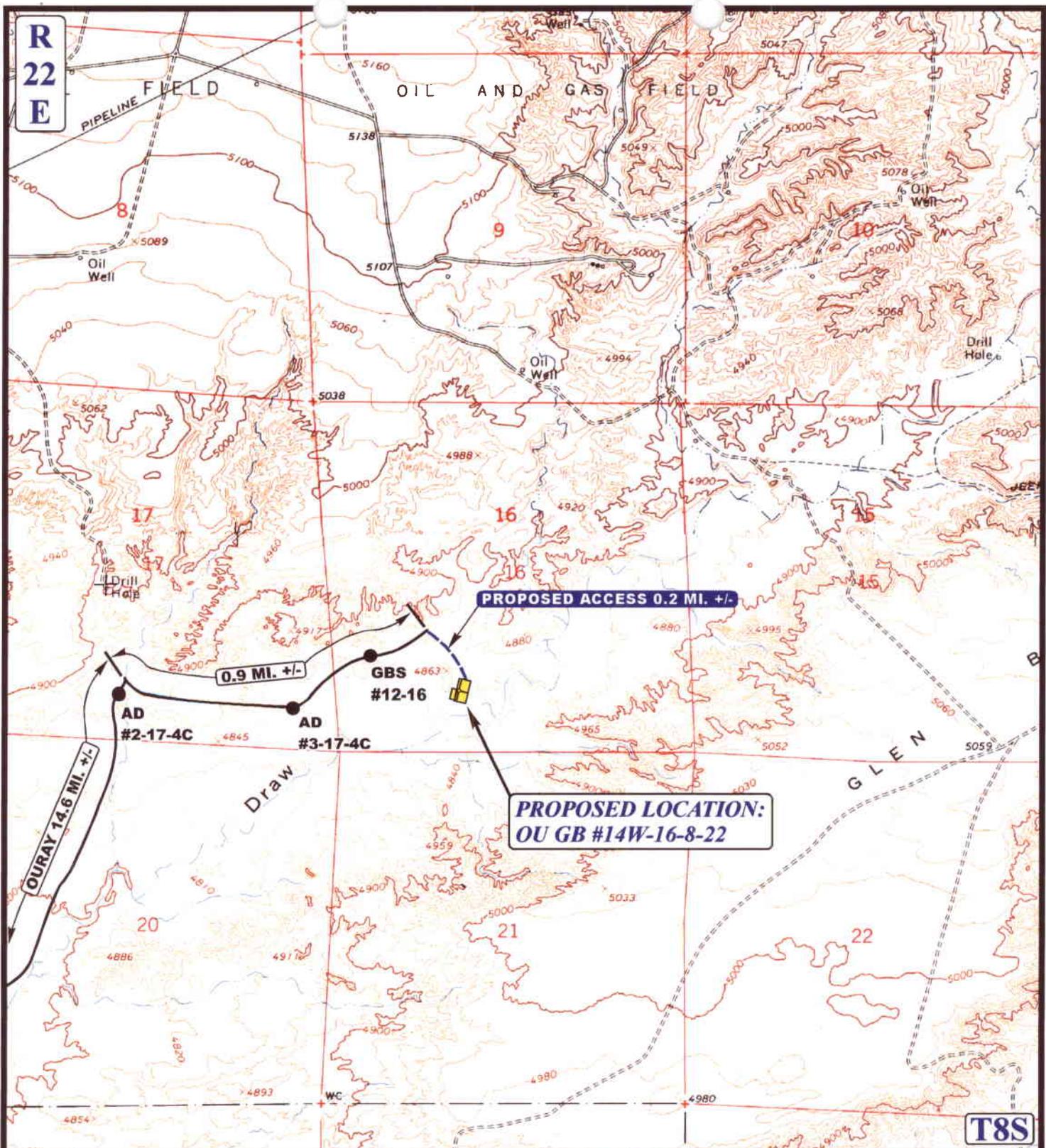
**Utah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC  
MAP**

**6 4 02**  
MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: K.G. REVISED: 00-00-00





**LEGEND:**

- EXISTING ROAD
- PROPOSED ACCESS ROAD

**UES** Uintah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

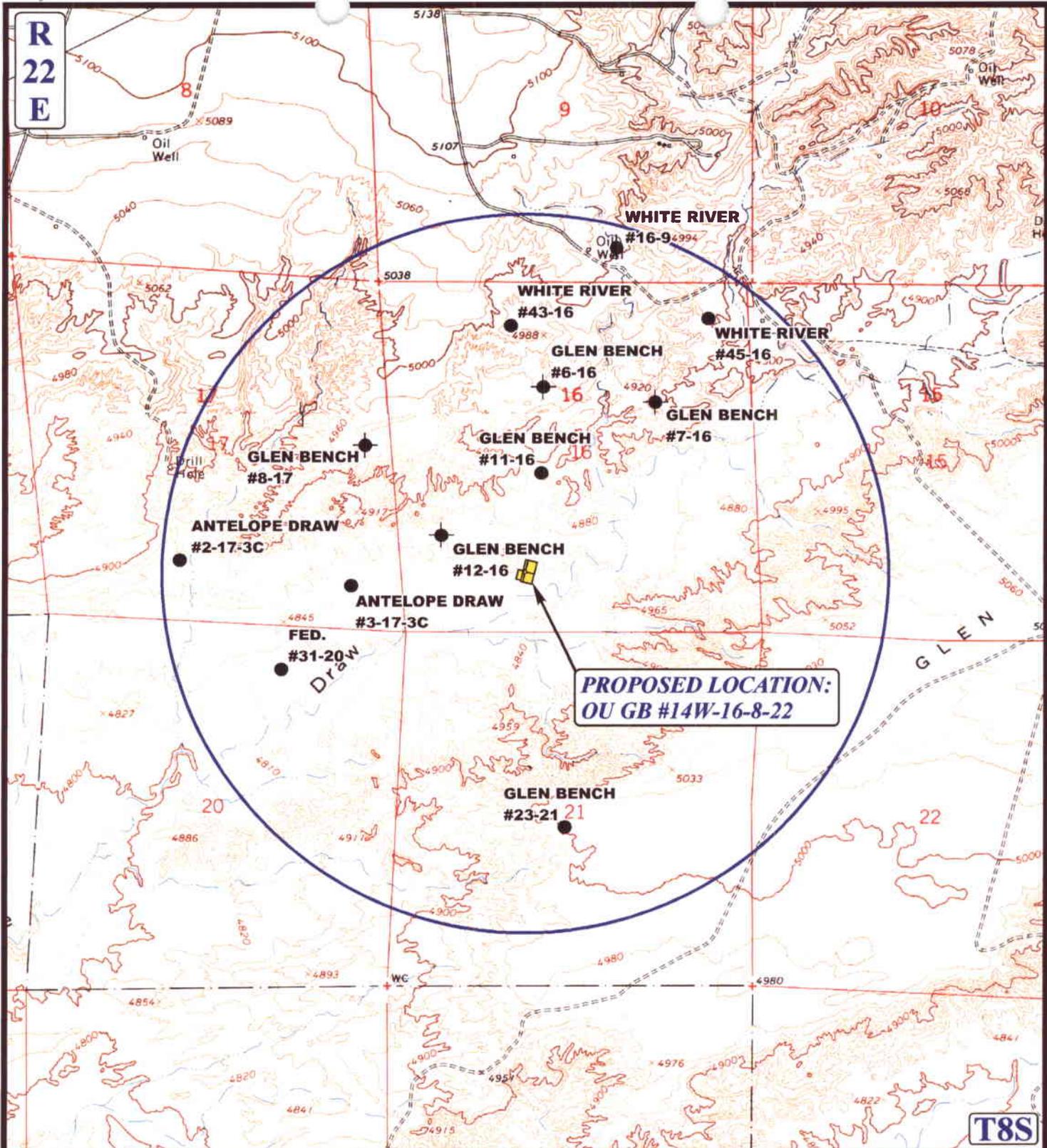


**SHENANDOAH ENERGY, INC.**

**OU GB #14W-16-8-22**  
**SECTION 16, T8S, R22E, S.L.B.&M.**  
**892' FSL 1801' FWL**

|                            |          |                |           |                   |
|----------------------------|----------|----------------|-----------|-------------------|
| <b>TOPOGRAPHIC<br/>MAP</b> | <b>6</b> | <b>4</b>       | <b>02</b> | <b>B<br/>TOPO</b> |
|                            | MONTH    | DAY            | YEAR      |                   |
| SCALE: 1" = 2000'          |          | DRAWN BY: K.G. |           | REVISED: 00-00-00 |

R  
22  
E



T8S

**LEGEND:**

- ⊗ DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- ⊗ WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

**SHENANDOAH ENERGY, INC.**

**OU GB #14W-16-8-22**  
**SECTION 16, T8S, R22E, S.L.B.&M.**  
**892' FSL 1801' FWL**

**U E L S**  
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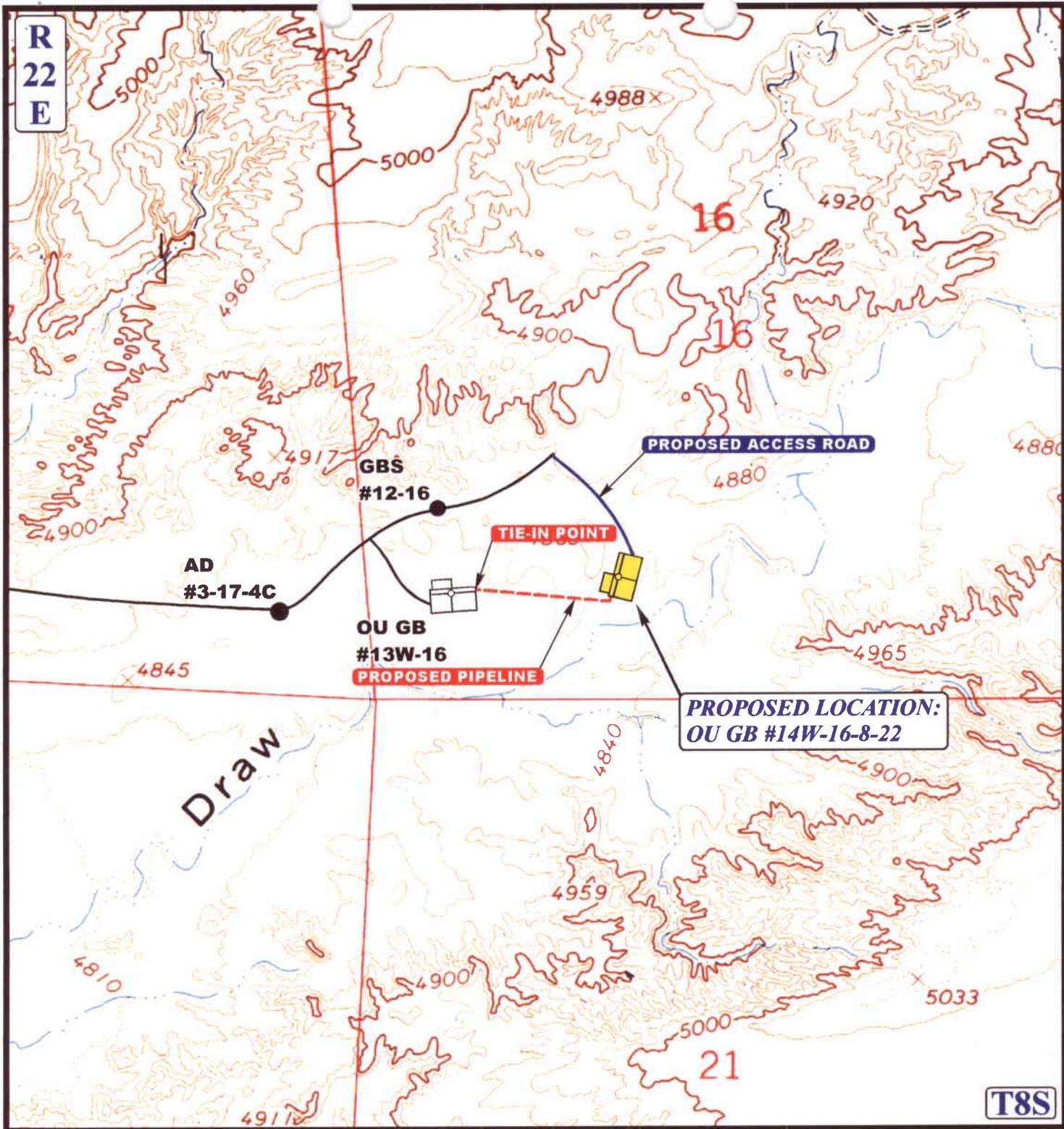


**TOPOGRAPHIC MAP**

|       |     |      |
|-------|-----|------|
| 6     | 4   | 02   |
| MONTH | DAY | YEAR |

SCALE: 1" = 2000'    DRAWN BY: K.G.    REVISED: 00-00-00

**C**  
TOPO



**APPROXIMATE TOTAL PIPELINE DISTANCE = 1000' +/-**

**LEGEND:**

- EXISTING PIPELINE
- PROPOSED PIPELINE
- PROPOSED ACCESS

**SHENANDOAH ENERGY, INC.**

**OU GB #14W-16-8-22**  
**SECTION 16, T8S, R22E, S.L.B.&M.**  
**892' FSL 1801' FWL**



**U&LS**  
**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC**  
**MAP**

|          |          |           |
|----------|----------|-----------|
| <b>6</b> | <b>4</b> | <b>02</b> |
| MONTH    | DAY      | YEAR      |

SCALE: 1" = 1000'    DRAWN BY: K.G.    REVISED: 00-00-00

**D**  
**TOPO**

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 06/13/2002

API NO. ASSIGNED: 43-047-34619

WELL NAME: OU GB 14W-16-8-22  
OPERATOR: SHENANDOAH ENERGY INC ( N4235 )  
CONTACT: JOHN BUSCH

PHONE NUMBER: 435-781-4341

PROPOSED LOCATION:

SESW 16 080S 220E  
SURFACE: 0892 FSL 1801 FWL  
BOTTOM: 0892 FSL 1801 FWL  
UINTAH  
KENNEDY WASH ( 618 )

| INSPECT LOCATN BY: / / |          |          |
|------------------------|----------|----------|
| Tech Review            | Initials | Date     |
| Engineering            | DKD      | 10/28/02 |
| Geology                |          |          |
| Surface                |          |          |

LEASE TYPE: 3 - State  
LEASE NUMBER: ML-22049  
SURFACE OWNER: 3 - State

LATITUDE: 40.11848

PROPOSED FORMATION: WSTC

LONGITUDE: 109.44643

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[] Ind[] Sta[3] Fee[]  
(No. U-0969 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- 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 Permit (7-9-22)

STIPULATIONS: 1- Spacing Strip  
2- STATEMENT OF BASIS



Casing Schematic

Surface

Umbra

9-5/8"  
MW 8.4  
Frac 19.3

TOC @ 0.  
TOC @ 0.

Surface  
450. MD

w/208 washout

2444'  
Green River

3000' BMSGW

BOP

$(0.052)(9.5)(7500) = 3705 \text{ psi}$

Anticipated = 3000 psi

3392'  
Mahogany ledge

w/158 washout

G<sub>25</sub>

$(0.12)(7500) = 900 \text{ psi}$

MASP = 2805 psi

5814'  
Wasatch

3M BOPE proposed

Adequate DWD  
10/28/02

6220' TOC @ 1

±6655'  
Lower wasatch

4-1/2"  
MW 9.5

Production  
7500. MD

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

**Operator Name:** SHENANDOAH ENERGY, INC.  
**Well Name & Number:** OU GB 14W-16-8-22  
**API Number:** 43-047-34619  
**Location:** 1/4,1/4 SE/SW Sec. 16 T. 8S R. 22E

**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 3000 feet. A search of Division of Water Rights records shows 1 water well within a 10,000 foot radius of the center of section 16. This is a shallow well which is approximately 1 ½ miles to the north. This well should not be affected by the proposed well. 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:** 07/16/2002

**Surface:**

The pre-drill investigation of the surface was performed on 7/09/2002. Surface and minerals are owned by State of Utah. Ed Bonner with SITLA and Miles Hanberg with DWR were both invited to this meeting on 6/25/2002. Miles Hanberg and Floyd Bartlett with DWR were present. SITLA did not have a representative present. Neither of the DWR representatives had any concerns regarding the construction of this location or the drilling of this well. An existing shallow drainage crossing site will be re-routed around the northeast corner of location. A liner will not be required for the reserve pit.

**Reviewer:** David W. Hackford  
**Date:** 7/11/2002

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

None.

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

**OPERATOR:** SHENANDOAH ENERGY, INC.

**WELL NAME & NUMBER:** OU GB 14W-16-8-22

**API NUMBER:** 43-047-34619

**LEASE:** ML-22049 **FIELD/UNIT:** KENNEDY WASH

**LOCATION:** 1/4, 1/4 SE/SW SEC: 16 TWP: 8S RNG: 22E  
1801' F W L 892' 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):** 12632304E 4442069N

**SURFACE OWNER:** SITLA

**PARTICIPANTS:**

JAN NELSON, RAYLENE SEARLE (SHENANDOAH): MILES HANBERG, FLOYD  
BARTLETT (DWR): DAVID HACKFORD (DOGM).

**REGIONAL/LOCAL SETTING & TOPOGRAPHY:**

SITE IS IN AN AREA OF ROLLING HILLS AND SHALLOW DRAWS DRAINING  
TOWARD ANTELOPE DRAW 500' TO THE SOUTH. ANTELOPE DRAW DRAINS TO  
THE SOUTHWEST.

**SURFACE USE PLAN:**

CURRENT SURFACE USE: WILDLIFE AND LIVESTOCK GRAZING.  
HUNTING.

PROPOSED SURFACE DISTURBANCE: LOCATION WOULD BE 325' BY 240'  
AND ACCESS ROAD WOULD BE 0.2 MILES.

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. PROPOSED  
PIPELINE WILL DUE WEST TO THE 13W-16-8-22 WELL.

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, TAMARISK, SAGE, PRICKLY PEAR, GREASEWOOD, RUSSIAN THISTLE: RODENTS, COYOTES, SONGBIRDS, RAPTORS, PRONGHORN, DEER.

SOIL TYPE AND CHARACTERISTICS: LIGHT BROWN 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 LINER WILL NOT BE REQUIRED FOR RESERVE PIT.

**SURFACE RESTORATION/RECLAMATION PLAN:**

AS PER STATE OF UTAH.

**SURFACE AGREEMENT:** STATE LAND.

**CULTURAL RESOURCES/ARCHAEOLOGY:** SITE WAS INSPECTED BY MONTGOMERY ARCHAEOLOGICAL CONSULTANTS ON 6/15/02. A REPORT OF THIS INVESTIGATION WILL BE PLACED ON FILE.

**OTHER OBSERVATIONS/COMMENTS:**

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

**ATTACHMENTS:**

PHOTOS OF SITE WILL BE PLACED ON FILE.

DAVID W. HACKFORD  
**DOGM REPRESENTATIVE**

07/09/2002-1:00 AM  
**DATE/TIME**

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



## SHENANDOAH ENERGY INC.

---

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

June 25, 2002

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

To Whom It May Concern:

In reference to the State Oil and Gas Conservation rule R649-3-3 Shenandoah Energy Inc. OU GB 14W-16-8-22 is an exception location due to topography.

There are no additional lease owners with 460' of the proposed location. If you have any question please contact Raleen Searle @ (435) 781-4309.

Thank you,



Raleen Searle  
Regulatory Affairs Analyst

**RECEIVED**

JUN 27 2002

DIVISION OF  
OIL, GAS AND MINING

# CONFIDENTIAL

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

FORM 3

### APPLICATION FOR PERMIT TO DRILL

|   |  |   |                             |
|---|--|---|-----------------------------|
| 1A. TYPE OF WORK: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN  |  | 5. MINERAL LEASE NO:<br><b>ML-22049</b>                                   | 6. SURFACE:<br><b>STATE</b> |
| B. TYPE OF WELL <input type="checkbox"/> OIL <input checked="" type="checkbox"/> GAS OTHER _____ <input checked="" type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE |  | 7. IF INDIAN, ALLOTTEE OR TRIBE NAME<br><b>N/A</b>                        |                             |
| 2. NAME OF OPERATOR:<br><b>SHENANDOAH ENERGY, INC.</b>  |  | 8. UNIT or CA AGREEMENT NAME:<br><b>N/A</b>                               |                             |
| 3. ADDRESS OF OPERATOR:<br><b>11002 E. 17500 S. CITY VERNAL STATE UT ZIP 84078</b>  |  | 9. WELL NAME and NUMBER:<br><b>OU GB 14W-16-8-22</b>                      |                             |
| PHONE NUMBER:<br><b>(435) 781-4341</b>  |  | 10. FIELD AND POOL, OR WILDCAT:<br><b>GLEN BENCH Kennedy Wash</b>         |                             |
| 4. LOCATION OF WELL (FOOTAGES) <b>441854 Y</b><br>AT SURFACE: <b>892' FSL, 1801' FWL</b><br>AT PROPOSED PRODUCING ZONE: <b>632389 X</b> <b>SESW, SECTION 16, T8S, R22E</b>              |  | 11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:<br><b>SESW 16 8S 22E</b> |                             |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE:<br><b>7+/- MILES WEST OF REDWASH, UTAH</b>  |  | 12. COUNTY:<br><b>UINTAH</b>  | 13. STATE:<br><b>UTAH</b>   |
| 15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET)<br><b>892 +/-</b>   | 16. NUMBER OF ACRES IN LEASE:<br><b>640</b>          | 17. NUMBER OF ACRES ASSIGNED TO THIS WELL:<br><b>40</b>                   |                             |
| 18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET)<br><b>1500' +/-</b>   | 19. PROPOSED DEPTH<br><b>7500</b>                    | 20. BOND DESCRIPTION:<br><b>U-0969</b>                                    |                             |
| 21. ELEVATIONS (SHOW WHETHER OF, RT, GR, ETC.):<br><b>4857' KB</b>  | 22. APPROXIMATE DATE WORK WILL START:<br><b>ASAP</b> | 23. ESTIMATED DURATION:<br><b>10 DAYS</b>                                 |                             |

### 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 | 36lb/ft (new)   | 450'          | Premium Plus                                    | 257                   | 15.6ppg   |
| 7-7/8"       | 4-1/2"                                  | J-55 | 11.6lb/ft (new) | 7500'         | Lead  | Extended Lite Hi-fill | 11.0 ppg  |
|              |   |      |                 |               | Tail  | Extended Class G      | 14.35 ppg |
|              |   |      |                 |               |   |                       |           |
|              |   |      |                 |               |   |                       |           |
|              |   |      |                 |               |   |                       |           |

### 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  
 EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER  FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OV

NAME (PLEASE PRINT) John Busch TITLE Construction Supervisor  
SIGNATURE John Busch DATE 14-Jun-02

(This space for State use only)

API NUMBER ASSIGNED: 43-047-34619 APPROVAL: \_\_\_\_\_

(11/2001)

(See Instruction on Reverse Side)

**RECEIVED**

JUL 01 2002

DIVISION OF  
OIL, GAS AND MINING

**REVISED**

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

FORM 3

**APPLICATION FOR PERMIT TO DRILL**

|   |  |   |                           |
|---|--|---|---------------------------|
| 5. MINERAL LEASE NO:<br><b>ML-22049</b>   |  | 6. SURFACE:<br><b>STATE</b>                             |                           |
| 1A. TYPE OF WORK: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN  |  | 7. IF INDIAN, ALLOTTEE OR TRIBE NAME<br><b>N/A</b>      |                           |
| B. TYPE OF WELL <input type="checkbox"/> OIL <input checked="" type="checkbox"/> GAS OTHER _____ <input checked="" type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE |  | 8. UNIT OF CA AGREEMENT NAME:<br><b>N/A</b>             |                           |
| 2. NAME OF OPERATOR:<br><b>SHENANDOAH ENERGY, INC.</b>  |  | 9. WELL NAME and NUMBER:<br><b>OU GB 14W-16-8-22</b>    |                           |
| 3. ADDRESS OF OPERATOR:<br><b>11002 E. 17500 S. CITY VERNAL STATE UT ZIP 84078</b>  |  | PHONE NUMBER:<br><b>(435) 781-4341</b>                  |                           |
| 4. LOCATION OF WELL (FOOTAGES)<br>AT SURFACE: <b>892' FSL, 1801' FWL</b><br>AT PROPOSED PRODUCING ZONE: <b>SESW, SECTION 16, T8S, R22E</b>  |  | 10. FIELD AND POOL, OR WILDCAT:<br><b>GLEN BENCH</b>    |                           |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE:<br><b>7+/- MILES WEST OF REDWASH, UTAH</b>  |  | 12. COUNTY:<br><b>UINTAH</b>                            | 13. STATE:<br><b>UTAH</b> |
| 15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE(FEET)<br><b>892 +/-</b>  | 16. NUMBER OF ACRES IN LEASE:<br><b>640</b>          | 17. NUMBER OF ACRES ASSIGNED TO THIS WELL:<br><b>40</b> |                           |
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| 21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.):<br><b>4857' KB</b>  | 22. APPROXIMATE DATE WORK WILL START:<br><b>ASAP</b> | 23. ESTIMATED DURATION:<br><b>10 DAYS</b>               |                           |

**24 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 | 36lb/ft (new)   | 450'          | Premium Plus                                    | 257 | 1.18 | 15.6ppg   |
| 7-7/8"       | 4-1/2"                                  | N-80 | 11.6lb/ft (new) | 1500'         | Extended Lite Hi-fill                           | 701 | 3.81 | 11.0 ppg  |
| 7-7/8"       | 4-1/2"                                  | J-55 | 11.6lb/ft (new) | TD            | Extended Class G                                | 345 | 1.25 | 14.35 ppg |
|              |   |      |                 |               |   |     |      |           |
|              |   |      |                 |               |   |     |      |           |
|              |   |      |                 |               |   |     |      |           |

**25 ATTACHMENTS**

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

- |   |   |
|---|---|
| <input type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER     | <input type="checkbox"/> COMPLETE DRILLING PLAN   |
| <input type="checkbox"/> EVIDNECE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER | <input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OW |

|  |                                      |
|--|--------------------------------------|
| NAME (PLEASE PRINT) <u>John Busch</u>        | TITLE <u>Construction Supervisor</u> |
| SIGNATURE <u>Raleen Seale for John Busch</u> | DATE <u>14-Jun-02</u>                |

(This space for State use only)

API NUMBER ASSIGNED: \_\_\_\_\_ APPROVAL: \_\_\_\_\_

(11/2001)

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

Date: 10-29-02

By: [Signature]

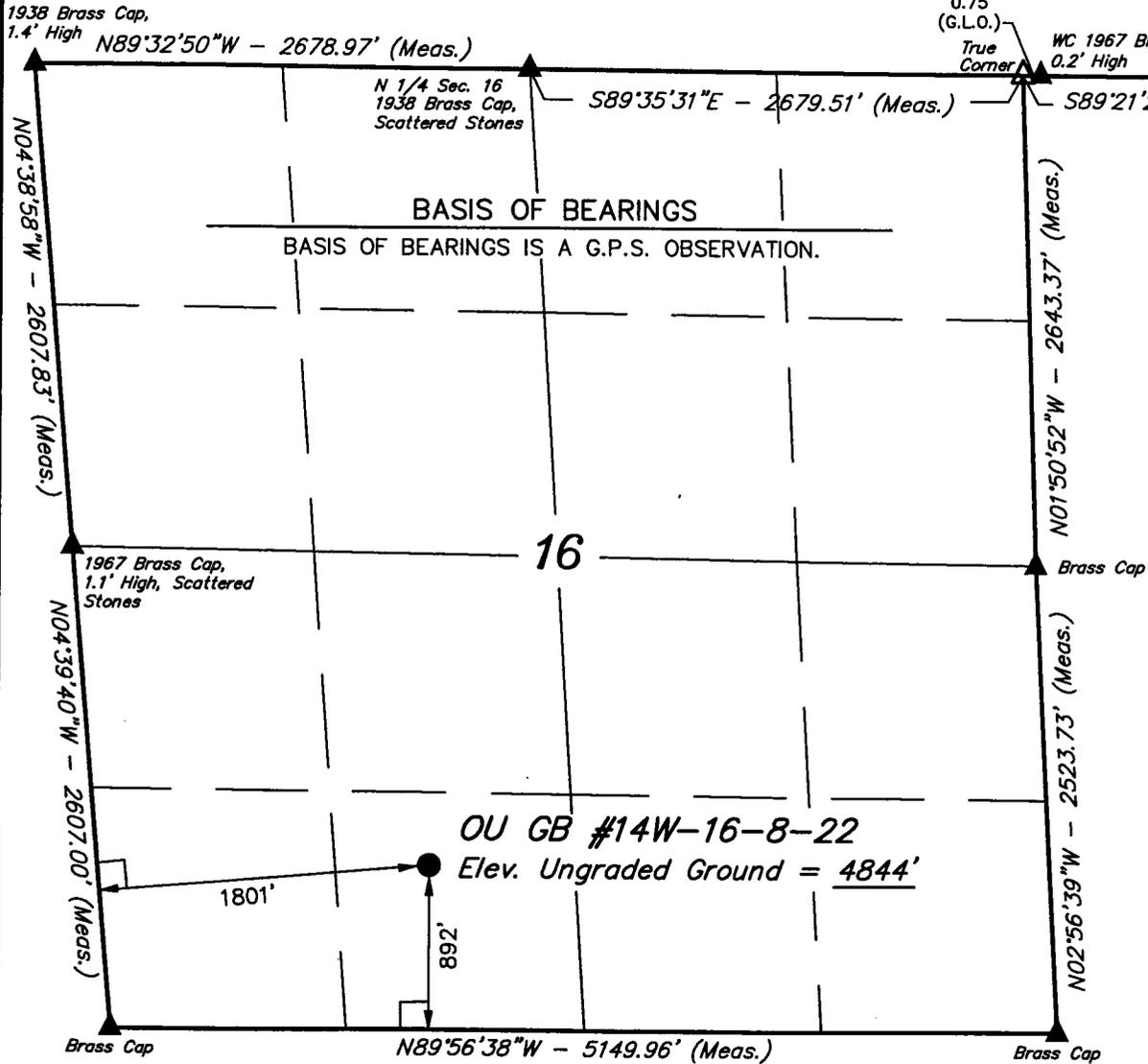
(See Instruction on Reverse Side)

**REVISED**  
Cement calculation  
10-25-02  
RS

T8S, R22E, S.L.B.&M.

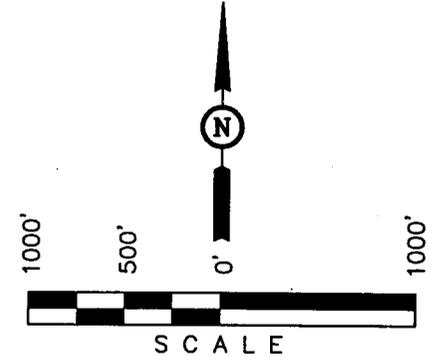
SHENANDOAH ENERGY, INC.

Well location, OU GB #14W-16-8-22, located as shown in the SE 1/4 SW 1/4 of Section 16, T8S, R22E, S.L.B.&M. Uintah County, Utah.



BASIS OF ELEVATION

BENCH MARK (20 EAM) LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE QUADRANGLE, UTAH, UINTAH COUNTY 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES, DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4697 FEET.



CERTIFICATE

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.

*Robert A. Gray*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 161319  
 STATE OF UTAH

LEGEND:

- └─┘ = 90° SYMBOL
  - = PROPOSED WELL HEAD.
  - ▲ = SECTION CORNERS LOCATED.
  - △ = SECTION CORNERS COMPUTED FROM G.L.O. (Not Set on Ground)
- (NAD 83)  
 LATITUDE = 40°07'06.84" (40.118567)  
 LONGITUDE = 109°26'50.49" (109.447358)

UINTAH ENGINEERING & LAND SURVEYING  
 85 SOUTH 200 EAST - VERNAL, UTAH 84078  
 (435) 789-1017

|                         |                                 |                        |
|-------------------------|---------------------------------|------------------------|
| SCALE<br>1" = 1000'     | DATE SURVEYED:<br>5-30-02       | DATE DRAWN:<br>5-31-02 |
| PARTY<br>D.A. J.A. C.G. | REFERENCES<br>G.L.O. PLAT       |                        |
| WEATHER<br>WARM         | FILE<br>SHENANDOAH ENERGY, INC. |                        |

October 25, 2002

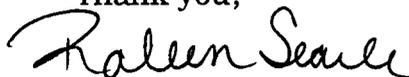
Dustin Doucet  
Division of Oil, Gas & Mining  
1594 W. North Temple, STE 1210  
Salt Lake City, UT 84114-5801

Dear Dustin:

Enclosed is two copies of the revisions that you requested for the APD's on the  
OU GB 12W-16-8-22 and OU GB 14W-16-8-22.

If you need any further information please call me @ (435) 781-4309.

Thank you,



Raleen Searle  
Regulatory Affairs Analyst

Enclosures

**RECEIVED**

OCT 28 2002

DIVISION OF  
OIL, GAS AND MINING

|              |   |              |
|--------------|---|--------------|
| Well name:   | <b>10-02 Shenandoah OU GB 14W-16-8-22</b> |              |
| Operator:    | <b>Shenandoah Energy Inc.</b>             | Project ID:  |
| String type: | Surface                                   | 43-047-34619 |
| Location:    | Uintah County                             |              |

**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: 7,575 ft  
 Next mud weight: 9.500 ppg  
 Next setting BHP: 3,738 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                    | 10.29                  | 222              | 3520                 | 15.85               | 16                  | 423                     | 26.11 J               |

↓  
 BHP = 370 psi  
 @ slope = 2855 psi  
 Adequate

Prepared by: Dustin K. Doucet  
 Utah Dept. of Natural Resources

Phone: 801-538-5281  
 FAX: 801-359-3940

Date: October 28, 2002  
 Salt Lake City, Utah

**ENGINEERING STIPULATIONS:**

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

|              |   |              |
|--------------|---|--------------|
| Well name:   | <b>10-02 Shenandoah OU GB 14W-16-8-22</b> |              |
| Operator:    | <b>Shenandoah Energy Inc.</b>             | Project ID:  |
| String type: | Production                                | 43-047-34619 |
| Location:    | Uintah County                             |              |

**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: 3,701 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: 6,435 ft

**Environment:**

H2S considered? No  
Surface temperature: 65 °F  
Bottom hole temperature: 151 °F  
Temperature gradient: 1.15 °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 (ft³) |
|---------|---------------------|-----------|-------------------------|-------|------------|----------------------|---------------------|---------------------|-------------------------|
| 2       | 1500                | 4.5       | 11.60                   | N-80  | LT&C       | 1500                 | 1500                | 3.875               | 34.8                    |
| 1       | 6000                | 4.5       | 11.60                   | J-55  | ST&C       | 7500                 | 7500                | 3.875               | 139.1                   |

| 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                 | 5715                    | <u>7.72</u>            | 740              | 7780                 | <u>10.51</u>        | 87                  | 223                     | <u>2.56 J</u>         |
| 1       | 3701                | 4960                    | <u>1.34</u>            | 3701             | 5350                 | <u>1.45</u>         | 70                  | 154                     | <u>2.21 J</u>         |

Prepared by: Dustin K. Doucet  
Utah Dept. of Natural Resources

Phone: 801-538-5281  
FAX: 801-359-3940

Date: October 28, 2002  
Salt Lake City, Utah

**ENGINEERING STIPULATIONS:**  
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.  
Burst strength is not adjusted for tension.

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



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

1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
(801) 538-5340 telephone  
(801) 359-3940 fax  
(801) 538-7223 TTY  
www.nr.utah.gov

Michael O. Leavitt  
Governor  
Robert L. Morgan  
Executive Director  
Lowell P. Braxton  
Division Director

October 29, 2002

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

Re: Over and Under Glen Bench 14W-16-8-22 Well, 892' FSL, 1801' FWL, SE SW, Sec. 16, T. 8 South, R. 22 East, Uintah County, Utah

Gentlemen:

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

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-34619.

Sincerely,

John R. Baza  
Associate Director

pb  
Enclosures  
cc: Uintah County Assessor  
SITLA

**Operator:** Shenandoah Energy, Inc.  
**Well Name & Number** Over and Under Glen Bench 14W-16-8-22  
**API Number:** 43-047-34619  
**Lease:** ML-22049

**Location:** SE SW                      **Sec.** 16                      **T.** 8 South                      **R.** 22 East

### Conditions of Approval

1. **General**  
Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.
2. **Notification Requirements**  
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.

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

|         |
|---------|
| 1. GLH  |
| 2. CDW  |
| 3. FILE |

007

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change**

Merger

|  |   |
|--|---|
| The operator of the well(s) listed below has changed, effective: <b>2/1/2003</b>   |   |
| <b>FROM: (Old Operator):</b><br>N4235-Shenandoah Energy Inc<br>11002 E 17500 S<br>Vernal, UT 84078-8526<br>Phone: (435) 781-4341 | <b>TO: ( New Operator):</b><br>N2460-QEP Uinta Basin Inc<br>11002 E 17500 S<br>Vernal, UT 84078-8526<br>Phone: (435) 781-4341 |

CA No.

Unit:

**WELL(S)**

| NAME                     | SEC       | TWN         | RNG         | API NO            | ENTITY NO | LEASE TYPE | WELL TYPE | WELL STATUS | Confid |
|--------------------------|-----------|-------------|-------------|-------------------|-----------|------------|-----------|-------------|--------|
| SU 4W-26-7-21            | 26        | 070S        | 210E        | 4304734408        |           | Federal    | GW        | APD         | C      |
| WV 10W-35-7-21           | 35        | 070S        | 210E        | 4304734397        |           | Federal    | GW        | APD         | C      |
| WV EXT 10W-17-8-21       | 17        | 080S        | 210E        | 4304734561        | 13744     | Federal    | GW        | P           | C      |
| STIRRUP U 8W-5-8-22      | 05        | 080S        | 220E        | 4304734453        |           | Federal    | GW        | APD         | C      |
| STIRRUP U 6W-5-8-22      | 05        | 080S        | 220E        | 4304734454        |           | Federal    | GW        | APD         | C      |
| STIRRUP U 7G-5-8-22      | 05        | 080S        | 220E        | 4304734609        |           | Federal    | OW        | APD         | C      |
| STIRRUP U 9G-5-8-22      | 05        | 080S        | 220E        | 4304734610        |           | Federal    | OW        | APD         | C      |
| WV 16G-6-8-22            | 06        | 080S        | 220E        | 4304734404        |           | Federal    | OW        | APD         | C      |
| STIRRUP U 12W-6-8-22     | 06        | 080S        | 220E        | 4304734449        |           | Federal    | GW        | APD         | C      |
| STIRRUP U 10W-6-8-22     | 06        | 080S        | 220E        | 4304734451        |           | Federal    | GW        | APD         | C      |
| STIRRUP U 9G-6-8-22      | 06        | 080S        | 220E        | 4304734611        |           | Federal    | OW        | APD         | C      |
| OU GB 11W-15-8-22        | 15        | 080S        | 220E        | 4304734648        | 13822     | Federal    | GW        | DRL         | C      |
| OU GB 10W-16-8-22        | 16        | 080S        | 220E        | 4304734616        |           | State      | GW        | APD         | C      |
| <b>OU GB 14W-16-8-22</b> | <b>16</b> | <b>080S</b> | <b>220E</b> | <b>4304734619</b> |           | State      | GW        | APD         | C      |
| OU GB 16W-16-8-22        | 16        | 080S        | 220E        | 4304734655        | 13815     | State      | GW        | DRL         | C      |
| OU GB 1W-16-8-22         | 16        | 080S        | 220E        | 4304734656        |           | State      | GW        | APD         | C      |
| OU GB 8W-16-8-22         | 16        | 080S        | 220E        | 4304734660        | 13769     | State      | GW        | DRL         | C      |
| OU GB 8W-17-8-22         | 17        | 080S        | 220E        | 4304734647        |           | Federal    | GW        | APD         | C      |
| OU GB 16W-20-8-22        | 20        | 080S        | 220E        | 4304734633        |           | Federal    | GW        | APD         | C      |
| OU WIH 15W-21-8-22       | 21        | 080S        | 220E        | 4304734634        |           | Federal    | GW        | APD         | C      |

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

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

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: 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: 9/11/2003

2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 9/11/2003

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:**

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



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

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

In Reply Refer To:  
3106  
(UT-924)

July 21, 2003

### Memorandum

To: Vernal Field Office  
From: **ACTING** Chief, Branch of Minerals Adjudication  
Subject: Name Change Approval

Attached is an approved copy of the name change from BLM-Eastern States, which is recognized by the Utah State Office. We have updated our records to reflect:

The name change from Shenandoah Energy Incorporated into QEP Uinta Basin, Incorporated is effective July 23, 1999. The BLM Bond Number is ESB000024.

*Mary Higgins*  
Mary Higgins  
Acting Chief, Branch of  
Minerals Adjudication

### Enclosure

1. Eastern States Letter
2. List of leases

cc: MMS, James Sykes, PO Box 25165, M/S 357 B1, Denver CO 80225  
State of Utah, DOGM, Earlene Russell (Ste. 1210), Box 145801, SLC UT 84114  
Teresa Thompson (UT-922)  
Joe Incardine (UT-921)

RECEIVED

JUL 29 2003

DIV. OF OIL, GAS & MINING

Exhibit of Leases

|               |              |           |           |
|---------------|--------------|-----------|-----------|
| UTSL-065342   | UTU-0825     | UTU-65472 | UTU-74971 |
| UTSL-065429   | UTU-0826     | UTU-65632 | UTU-74972 |
| UTSL-066409-A | UTU-0827     | UTU-67844 | UTU-75079 |
| UTSL-066446   | UTU-0828     | UTU-68217 | UTU-75080 |
| UTSL-066446-A | UTU-0829     | UTU-68218 | UTU-75081 |
| UTSL-066446-B | UTU-0830     | UTU-68219 | UTU-75082 |
| UTSL-066791   | UTU-0933     | UTU-68220 | UTU-75083 |
| UTSL-069330   | UTU-0971     | UTU-68387 | UTU-75084 |
| UTSL-070932-A | UTU-0971-A   | UTU-68620 | UTU-75085 |
| UTSL-071745   | UTU-01089    | UTU-69001 | UTU-75086 |
| UTSL-071963   | UTU-02025    | UTU-70853 | UTU-75087 |
| UTSL-071964   | UTU-02030    | UTU-70854 | UTU-75088 |
| UTSL-071965   | UTU-02060    | UTU-70855 | UTU-75102 |
|               | UTU-02148    | UTU-70856 | UTU-75103 |
| UTU-046       | UTU-02149    | UTU-71416 | UTU-75116 |
| UTU-055       | UTU-02510-A  | UTU-72066 | UTU-75243 |
| UTU-057       | UTU-09613    | UTU-72109 | UTU-75503 |
| UTU-058       | UTU-09617    | UTU-72118 | UTU-75678 |
| UTU-059       | UTU-09809    | UTU-72598 | UTU-75684 |
| UTU-080       | UTU-011225-B | UTU-72634 | UTU-76278 |
| UTU-081       | UTU-011226   | UTU-72649 | UTU-75760 |
| UTU-082       | UTU-011226-B | UTU-73182 | UTU-75939 |
| UTU-093       | UTU-012457   | UTU-73443 | UTU-76039 |
| UTU-01116     | UTU-012457-A | UTU-73456 | UTU-76482 |
| UTU-0558      | UTU-018260-A | UTU-73680 | UTU-76507 |
| UTU-0559      | UTU-022158   | UTU-73681 | UTU-76508 |
| UTU-0560      | UTU-025960   | UTU-73684 | UTU-76721 |
| UTU-0561      | UTU-025962   | UTU-73686 | UTU-76835 |
| UTU-0562      | UTU-025963   | UTU-73687 | UTU-77063 |
| UTU-0566      | UTU-029649   | UTU-73698 | UTU-77301 |
| UTU-0567      | UTU-65471    | UTU-73699 | UTU-77308 |
| UTU-0568      | UTU-65472    | UTU-73700 | UTU-78021 |
| UTU-0569      | UTU-103144   | UTU-73710 | UTU-78028 |
| UTU-0570      | UTU-140740   | UTU-73914 | UTU-78029 |
| UTU-0571      | UTU-14219    | UTU-73917 | UTU-78214 |
| UTU-0572      | UTU-14639    | UTU-74401 | UTU-78215 |
| UTU-0629      | UTU-16551    | UTU-74402 | UTU-78216 |
| UTU-0802      | UTU-28652    | UTU-74407 | UTU-80636 |
| UTU-0803      | UTU-42050    | UTU-74408 | UTU-80637 |
| UTU0804       | UTU-43915    | UTU-74419 | UTU-80638 |
| UTU0805       | UTU-43916    | UTU-74493 | UTU-80639 |
| UTU0806       | UTU-43917    | UTU-74494 | UTU-80640 |
| UTU0807       | UTU-43918    | UTU-74495 |           |
| UTU0809       | UTU-56947    | UTU-74496 |           |
| UTU0810       | UTU-65276    | UTU-74836 |           |
| UTU-0823      | UTU-65404    | UTU-74842 |           |
| UTU-0824      | UTU-65471    | UTU-74968 |           |

## SEI (N4235) to QEP (N2460)

| well name               | Sec | T    | R    | api DOGM   | Entity | type    | stat |       |
|-------------------------|-----|------|------|------------|--------|---------|------|-------|
| WV 14W-4-8-21           | 04  | 080S | 210E | 4304734040 |        | Federal | GW   | APD C |
| WV 16W-4-8-21           | 04  | 080S | 210E | 4304734041 |        | Federal | GW   | APD C |
| WV 5W-36-7-21           | 36  | 070S | 210E | 4304734099 | 13807  | State   | GW   | DRL C |
| WV 16W-31-7-22          | 31  | 070S | 220E | 4304734257 |        | Federal | GW   | APD C |
| RED WASH 16W-19-7-22    | 19  | 070S | 220E | 4304734258 |        | Federal | GW   | APD C |
| WV 9W-16-7-21           | 16  | 070S | 210E | 4304734324 |        | State   | GW   | APD   |
| GH 6W-20-8-21           | 20  | 080S | 210E | 4304734331 |        | Federal | GW   | APD C |
| WV 10W-23-8-21          | 23  | 080S | 210E | 4304734341 | 13766  | Federal | GW   | PA C  |
| WV 11W-23-8-21          | 23  | 080S | 210E | 4304734342 |        | Federal | GW   | APD C |
| WV 13W-23-8-21          | 23  | 080S | 210E | 4304734344 |        | Federal | GW   | APD C |
| WV 14W-23-8-21          | 23  | 080S | 210E | 4304734345 |        | Federal | GW   | APD C |
| WV 15W-23-8-21          | 23  | 080S | 210E | 4304734346 |        | Federal | GW   | APD C |
| WV 7W-31-7-22           | 31  | 070S | 220E | 4304734379 |        | Federal | GW   | APD C |
| WV 9W-30-7-22           | 30  | 070S | 220E | 4304734381 |        | Federal | GW   | APD C |
| WV 10W-25-7-21          | 25  | 070S | 210E | 4304734382 |        | Federal | GW   | APD C |
| WV 10W-26-7-21          | 26  | 070S | 210E | 4304734383 |        | Federal | GW   | APD C |
| WV 14W-30-7-22          | 30  | 070S | 220E | 4304734384 | 13750  | Federal | GW   | DRL C |
| WV 15W-27-7-21          | 27  | 070S | 210E | 4304734385 |        | Federal | GW   | APD C |
| GH 8W-20-8-21           | 20  | 080S | 210E | 4304734393 |        | Federal | GW   | APD C |
| SU PURDY 3W-30-7-22     | 30  | 070S | 220E | 4304734394 |        | Federal | GW   | APD C |
| STIRRUP UNIT 10G-5-8-22 | 05  | 080S | 220E | 4304734396 |        | Federal | OW   | APD C |
| WV 10W-35-7-21          | 35  | 070S | 210E | 4304734397 |        | Federal | GW   | APD C |
| WV 16G-6-8-22           | 06  | 080S | 220E | 4304734404 |        | Federal | OW   | APD C |
| SU 4W-26-7-21           | 26  | 070S | 210E | 4304734408 |        | Federal | GW   | APD C |
| STIRRUP U 12W-6-8-22    | 06  | 080S | 220E | 4304734449 |        | Federal | GW   | APD C |
| STIRRUP U 10W-6-8-22    | 06  | 080S | 220E | 4304734451 |        | Federal | GW   | APD C |
| STIRRUP U 8W-5-8-22     | 05  | 080S | 220E | 4304734453 |        | Federal | GW   | APD C |
| STIRRUP U 6W-5-8-22     | 05  | 080S | 220E | 4304734454 |        | Federal | GW   | APD C |
| WV EXT 10W-17-8-21      | 17  | 080S | 210E | 4304734561 | 13744  | Federal | GW   | P C   |
| STIRRUP U 7G-5-8-22     | 05  | 080S | 220E | 4304734609 |        | Federal | OW   | APD C |
| STIRRUP U 9G-5-8-22     | 05  | 080S | 220E | 4304734610 |        | Federal | OW   | APD C |
| STIRRUP U 9G-6-8-22     | 06  | 080S | 220E | 4304734611 |        | Federal | OW   | APD C |
| OU GB 10W-16-8-22       | 16  | 080S | 220E | 4304734616 |        | State   | GW   | APD C |
| OU GB 14W-16-8-22       | 16  | 080S | 220E | 4304734619 |        | State   | GW   | APD C |
| OU GB 16W-20-8-22       | 20  | 080S | 220E | 4304734633 |        | Federal | GW   | APD C |
| OU WIH 15W-21-8-22      | 21  | 080S | 220E | 4304734634 |        | Federal | GW   | APD C |
| OU GB 8W-17-8-22        | 17  | 080S | 220E | 4304734647 |        | Federal | GW   | APD C |
| OU GB 11W-15-8-22       | 15  | 080S | 220E | 4304734648 | 13822  | Federal | GW   | DRL C |
| OU GB 16W-16-8-22       | 16  | 080S | 220E | 4304734655 | 13815  | State   | GW   | DRL C |
| OU GB 1W-16-8-22        | 16  | 080S | 220E | 4304734656 |        | State   | GW   | APD C |
| OU GB 8W-16-8-22        | 16  | 080S | 220E | 4304734660 | 13769  | State   | GW   | DRL C |
| OU GB 3W-15-8-22        | 15  | 080S | 220E | 4304734677 |        | Federal | GW   | APD C |
| OU GB 4W-21-8-22        | 21  | 080S | 220E | 4304734685 | 13772  | Federal | GW   | P C   |
| OU WIH 2W-21-8-22       | 21  | 080S | 220E | 4304734687 | 13837  | Federal | GW   | PA C  |
| OU GB 9W-16-8-22        | 16  | 080S | 220E | 4304734692 |        | State   | GW   | APD C |
| OU WIH 1W-21-8-22       | 21  | 080S | 220E | 4304734693 |        | Federal | GW   | APD C |
| OU GB 7G-19-8-22        | 19  | 080S | 220E | 4304734694 |        | Federal | OW   | APD C |
| OU GB 5G-19-8-22        | 19  | 080S | 220E | 4304734695 | 13786  | Federal | OW   | P C   |
| OU GB 8W-20-8-22        | 20  | 080S | 220E | 4304734706 |        | Federal | GW   | APD C |
| OU SG 14W-15-8-22       | 15  | 080S | 220E | 4304734710 | 13821  | Federal | GW   | DRL C |
| OU SG 15W-15-8-22       | 15  | 080S | 220E | 4304734711 | 13790  | Federal | GW   | DRL C |
| OU SG 16W-15-8-22       | 15  | 080S | 220E | 4304734712 | 13820  | Federal | GW   | DRL C |
| OU SG 4W-15-8-22        | 15  | 080S | 220E | 4304734713 | 13775  | Federal | GW   | DRL C |
| OU SG 12W-15-8-22       | 15  | 080S | 220E | 4304734714 | 13828  | Federal | GW   | DRL C |
| OU SG 5W-15-8-22        | 15  | 080S | 220E | 4304734715 |        | Federal | GW   | APD C |
| OU SG 6W-15-8-22        | 15  | 080S | 220E | 4304734716 | 13865  | Federal | GW   | PA C  |
| OU SG 8W-15-8-22        | 15  | 080S | 220E | 4304734717 | 13819  | Federal | GW   | DRL C |

## SEI (N4235) to QEP (N2460)

| well name                  | Sec | T    | R    | api DOGM   | Entity |         | type | stat |   |
|----------------------------|-----|------|------|------------|--------|---------|------|------|---|
| OU SG 9W-15-8-22           | 15  | 080S | 220E | 4304734718 | 13773  | Federal | GW   | P    | C |
| OU SG 1W-15-8-22           | 15  | 080S | 220E | 4304734720 |        | Federal | GW   | APD  | C |
| OU SG 2W-15-8-22           | 15  | 080S | 220E | 4304734721 |        | Federal | GW   | APD  | C |
| OU SG 7W-15-8-22           | 15  | 080S | 220E | 4304734722 |        | Federal | GW   | APD  | C |
| GYP SUM HILLS 13HG-17-8-22 | 17  | 080S | 210E | 4304734723 | 13765  | Federal | GW   | DRL  | C |
| OU GB 14SG-29-8-22         | 29  | 080S | 220E | 4304734743 |        | Federal | GW   | APD  | C |
| OU GB 16SG-29-8-22         | 29  | 080S | 220E | 4304734744 | 13771  | Federal | GW   | DRL  | C |
| OU GB 13W-10-8-22          | 10  | 080S | 220E | 4304734754 | 13774  | Federal | GW   | P    | C |
| OU GB 6W-21-8-22           | 21  | 080S | 220E | 4304734755 | 13751  | Federal | GW   | P    | C |
| OU SG 10W-10-8-22          | 10  | 080S | 220E | 4304734764 |        | Federal | GW   | DRL  | C |
| OU SG 15W-10-8-22          | 10  | 080S | 220E | 4304734765 | 13849  | Federal | GW   | DRL  | C |
| OU GB 14W-10-8-22          | 10  | 080S | 220E | 4304734768 | 13781  | Federal | GW   | P    | C |
| OU SG 16W-10-8-22          | 10  | 080S | 220E | 4304734784 | 13777  | Federal | GW   | P    | C |
| OU GB 15G-16-8-22          | 16  | 080S | 220E | 4304734829 |        | State   | OW   | DRL  |   |
| BASER WASH 6W-7-7-22       | 07  | 070S | 220E | 4304734837 |        | Federal | GW   | APD  | C |
| GB 5G-15-8-22              | 15  | 080S | 220E | 4304734876 |        | Federal | OW   | APD  | C |
| GB 4G-21-8-22              | 21  | 080S | 220E | 4304734882 |        | Federal | OW   | APD  | C |
| W IRON HORSE 2W-28-8-22    | 28  | 080S | 220E | 4304734883 |        | Federal | GW   | APD  | C |
| OU GB 8WX-29-8-22          | 29  | 080S | 220E | 4304734884 |        | Federal | GW   | APD  | C |
| GB 7W-36-8-21              | 36  | 080S | 210E | 4304734893 |        | State   | GW   | APD  |   |
| GB 3W-36-8-21              | 36  | 080S | 210E | 4304734894 | 13791  | State   | GW   | DRL  |   |
| NC 8M-32-8-22              | 32  | 080S | 220E | 4304734897 |        | State   | GW   | APD  |   |
| NC 3M-32-8-22              | 32  | 080S | 220E | 4304734899 |        | State   | GW   | APD  |   |
| N DUCK CREEK 3M-27-8-22    | 27  | 080S | 210E | 4304734900 |        | Federal | GW   | APD  | C |
| N DUCK CREEK 9M-22-8-22    | 22  | 080S | 210E | 4304734901 |        | Federal | GW   | APD  | C |
| N DUCK CREEK 11M-22-8-22   | 22  | 080S | 210E | 4304734902 |        | Federal | GW   | APD  | C |
| NDC 10W-25-8-21            | 25  | 080S | 210E | 4304734923 |        | Federal | GW   | APD  | C |
| GB 5W-36-8-21              | 36  | 080S | 210E | 4304734925 | 13808  | State   | GW   | DRL  |   |
| GB 4W-36-8-21              | 36  | 080S | 210E | 4304734926 |        | State   | GW   | APD  |   |
| WV EXT 1W-17-8-21          | 17  | 080S | 210E | 4304734927 |        | Federal | GW   | APD  | C |
| WV EXT 8W-17-8-21          | 17  | 080S | 210E | 4304734929 | 13792  | Federal | GW   | DRL  | C |
| NDC 11M-27-8-21            | 27  | 080S | 210E | 4304734952 | 13809  | Federal | GW   | DRL  | C |
| NDC 9M-27-8-21             | 27  | 080S | 210E | 4304734956 |        | Federal | GW   | APD  | C |
| NDC 1M-27-8-21             | 27  | 080S | 210E | 4304734957 |        | Federal | GW   | APD  | C |
| NDC 15M-28-8-21            | 28  | 080S | 210E | 4304734958 |        | Federal | GW   | APD  | C |
| NC 11M-32-8-22             | 32  | 080S | 220E | 4304735040 |        | State   | GW   | NEW  |   |
| RED WASH U 34-27C          | 27  | 070S | 240E | 4304735045 |        | Federal | GW   | APD  | C |
| WRU EIH 10W-35-8-22        | 35  | 080S | 220E | 4304735046 | 13544  | Federal | GW   | DRL  | C |
| WRU EIH 9W-26-8-22         | 26  | 080S | 220E | 4304735047 |        | Federal | GW   | APD  | C |
| WRU EIH 15W-26-8-22        | 26  | 080S | 220E | 4304735048 |        | Federal | GW   | APD  | C |
| WRU EIH 1W-35-8-22         | 35  | 080S | 220E | 4304735049 |        | Federal | GW   | APD  | C |
| WRU EIH 9W-35-8-22         | 35  | 080S | 220E | 4304735050 |        | Federal | GW   | APD  | C |
| WRU EIH 7W-35-8-22         | 35  | 080S | 220E | 4304735051 |        | Federal | GW   | APD  | C |
| WRU EIH 2W-35-8-22         | 35  | 080S | 220E | 4304735052 |        | Federal | GW   | APD  | C |

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

FORM 9

008

5. LEASE DESIGNATION AND SERIAL NUMBER:

ML-22049

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

GAS WELL

OTHER \_\_\_\_\_

8. WELL NAME and NUMBER:

OU GB 14W-16-8-22

2. NAME OF OPERATOR:

QEP UINTA BASIN, INC

9. API NUMBER:

4304734619

3. ADDRESS OF OPERATOR:

11002 E. 17500 S.

CITY VERNAL

STATE UT

ZIP 84078

PHONE NUMBER:

(435) 781-4309

10. FIELD AND POOL, OR WILDCAT:

GLEN BENCH

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 892' FSL, 1801' FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 16 8S 22E 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<br>(Submit in Duplicate)<br>Approximate date work will start:<br>_____ | <input type="checkbox"/> ACIDIZE                        | <input type="checkbox"/> DEEPEN                           | <input type="checkbox"/> REPERFORATE CURRENT FORMATION          |
| <input type="checkbox"/> SUBSEQUENT REPORT<br>(Submit Original Form Only)<br>Date of work completion:<br>_____              | <input type="checkbox"/> ALTER CASING                   | <input type="checkbox"/> FRACTURE TREAT                   | <input type="checkbox"/> SIDETRACK TO REPAIR WELL               |
|   | <input type="checkbox"/> CASING REPAIR                  | <input type="checkbox"/> NEW CONSTRUCTION                 | <input type="checkbox"/> TEMPORARILY ABANDON                    |
|   | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS       | <input type="checkbox"/> OPERATOR CHANGE                  | <input type="checkbox"/> TUBING REPAIR                          |
|   | <input type="checkbox"/> CHANGE TUBING                  | <input type="checkbox"/> PLUG AND ABANDON                 | <input type="checkbox"/> VENT OR FLARE                          |
|   | <input type="checkbox"/> CHANGE WELL NAME               | <input type="checkbox"/> PLUG BACK                        | <input type="checkbox"/> WATER DISPOSAL                         |
|   | <input type="checkbox"/> CHANGE WELL STATUS             | <input type="checkbox"/> PRODUCTION (START/RESUME)        | <input type="checkbox"/> WATER SHUT-OFF                         |
|   | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> RECLAMATION OF WELL SITE         | <input checked="" type="checkbox"/> OTHER: <u>APD EXTENSION</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.

QEP UINTA BASIN, INC. IS REQUESTING A ONE YEAR EXTESION ON THE APD FOR THE OU GB 14W-16-8-22.

COPY SENT TO OPERATOR  
Date: 12-1-03  
Initials: CHO

Approved by the  
Utah Division of  
Oil, Gas and Mining  
Date: 11-25-03  
By: [Signature]

RECEIVED  
NOV 25 2003  
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) RALEEN SEARLE

TITLE REGULATORY AFFAIRS ANALYST

SIGNATURE Raleen Searle

DATE 11/20/2003

(This space for State use only)

**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 43-047-34619  
**Well Name:** OU GB 14W-16-8-22  
**Location:** 892' FSL, 1801' FWL, SESW, SECTION 16, T8S, R2:  
**Company Permit Issued to:** QEP UINTA BASIN, INC.  
**Date Original Permit Issued:** 10/29/2002

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes  No

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes  No

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes  No

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes  No

Has the approved source of water for drilling changed? Yes  No

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes  No

Is bonding still in place, which covers this proposed well? Yes  No

  
Signature

11/20/2003  
Date

Title: REGULATORY AFFAIRS ANALYST

Representing: QEP UINTA BASIN, INC.

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

FORM 9

012

**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<br>OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____ |  | 5. LEASE DESIGNATION AND SERIAL NUMBER:<br>ML-22049 |
| 2. NAME OF OPERATOR:<br>QEP UINTA BASIN, INC  |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:<br>N/A        |
| 3. ADDRESS OF OPERATOR:<br>11002 E. 17500 S. CITY VERNAL STATE UT ZIP 84078                                   |  | 7. UNIT or CA AGREEMENT NAME:<br>N/A                |
| 4. LOCATION OF WELL<br>FOOTAGES AT SURFACE: 892' FSL 1801' FWL  |  | 8. WELL NAME and NUMBER:<br>OU GB 14W-16-8-22       |
| QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 16 8S 22E S   |  | 9. API NUMBER:<br>4304734619                        |
| COUNTY: UINTAH  |  | 10. FIELD AND POOL, OR WILDCAT:<br>GLEN BENCH       |
| 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<br>(Submit in Duplicate)<br>Approximate date work will start:<br>_____ | <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<br>(Submit Original Form Only)<br>Date of work completion:<br>_____              | <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 type="checkbox"/> OTHER: <u>TD 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.

QEP Uinta Basin Inc. proposes to drill this well to the Mesaverde formation. The proposed TD was 7500', the new proposed TD will be 9225'. Please see attachments for BOP, casing and cementing changes.

QEP Uinta Basin, Inc. proposes to change the name on the OU GB 14W-16-8-22 to the GB 14MU-16-8-22.

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

Date: 06-14-04  
By: [Signature]

**COPY SENT TO OPERATOR**  
Date: 7-14-04  
Initials: CHO

|                                       |                         |
|---------------------------------------|-------------------------|
| NAME (PLEASE PRINT) <u>John Busch</u> | TITLE <u>Operations</u> |
| SIGNATURE <u>[Signature]</u>          | DATE <u>6/3/2004</u>    |

(This space for State use only)

**RECEIVED**  
**JUN 04 2004**  
DIV. OF OIL, GAS & MINING

DRILLING PROGRAM

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

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

1. Formation Tops

The estimated tops of important geologic markers are as follows:

| <u>Formation</u> | <u>Depth</u> | <u>Prod. Phase Anticipated</u> |
|------------------|--------------|--------------------------------|
| Uinta            | Surface      |                                |
| Green River      | 2444'        |                                |
| Mahogany         | 3339'        |                                |
| Wasatch          | 5814'        |                                |
| Mesa Verde       | 8518'        |                                |
| TD               | 9225'        |                                |

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          | Mesa Verde       | 9225'        |

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

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

DRILLING PROGRAM

3. 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 50 percent of internal yield pressure of casing whichever is less. BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc..., for a 3M system and individual components shall be operable as designed.

4. 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"          | J-55        | 36 lb/ft (new) LT&C           |
| Production | TD'          | 7 -7/8"          | 4 -1/2"         | M-80        | 11.60 lb/ft (new)LT&C<br>M-80 |

5. Auxiliary Equipment

- A. Kelly Cock – yes
- B. Float at the bit – no
- C. Monitoring equipment on the mud system – visually and/or PVT/Flow Show
- D. Full opening safety valve on the rig floor – yes
- E. Rotating Head – yes
- F. If drilling with air the following will be used:  
The blooie line shall be at least 6" in diameter and extend at least 100' from the well bore into the reserve/blooie pit.
- G. Blooie line ignition shall be provided by a continuous pilot (ignited when drilling below 500').

DRILLING PROGRAM

- 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.
6. 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.

6. 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: Mancos 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

7. Cementing Program

| <u>Casing</u> | <u>Volume</u>               | <u>Type &amp; Additives</u>  |
|---------------|-----------------------------|--|
| Surface       | 257sx                       | Class "G" single slurry mixed to 15.6 ppg, yield = 1.19 cf/sx. Fill to surface with 160 cf (685 sx) calculated. Tail plug used. Allowed to set under pressure  |
| Production    | Lead-598sx*<br>Tail-1178sx* | Lead/Tail oilfield type cement circulated in place .<br>Tail slurry: Class "G" + gilsonite and additives as required, mixed to 14.8 ppg, yield = 1.34 cf/sx. Fill to 4821' ( $\pm 500'$ above top of Wasatch).<br><br>Cement Characteristics:<br>Lead slurry: Class "G" + extender and additives as required, mixed to 11.0 ppg, yield = 3.82 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.

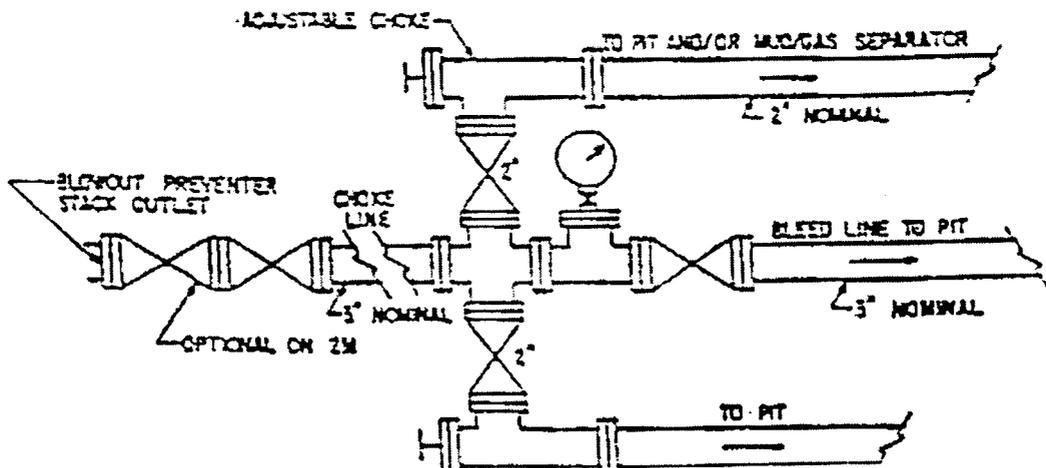
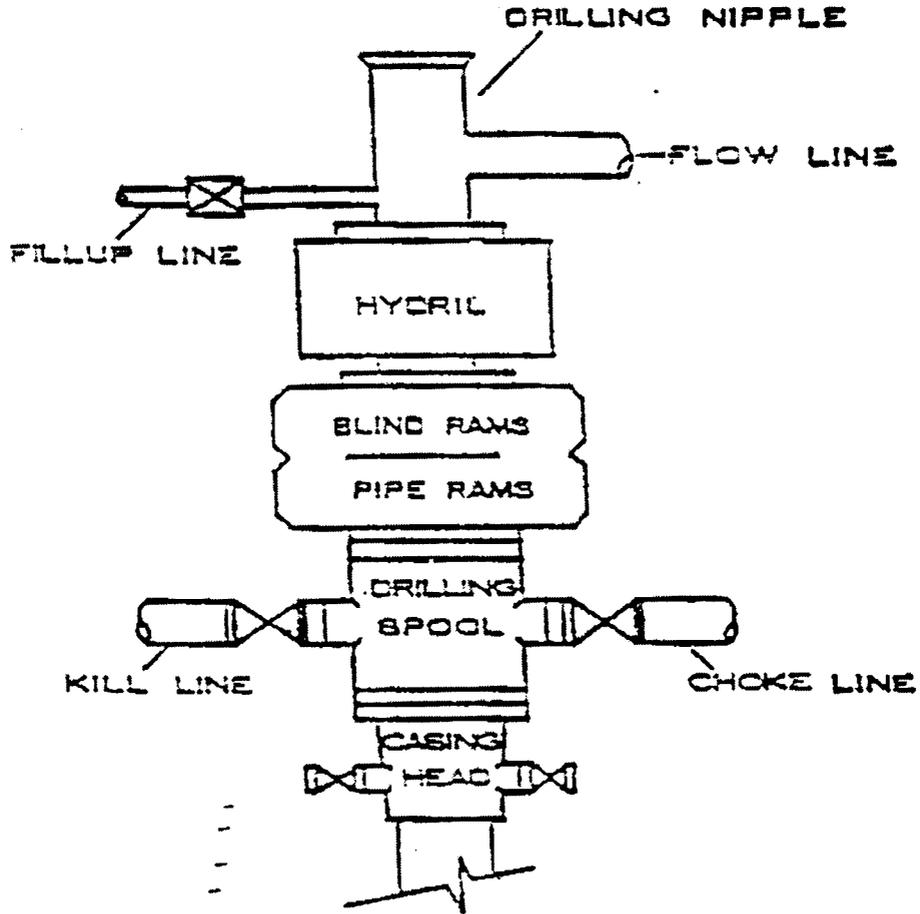
8. Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards

No abnormal temperatures or pressures are anticipated. No H<sub>2</sub>S 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 4001.0 psi. Maximum anticipated bottom hole temperature is 140° F.

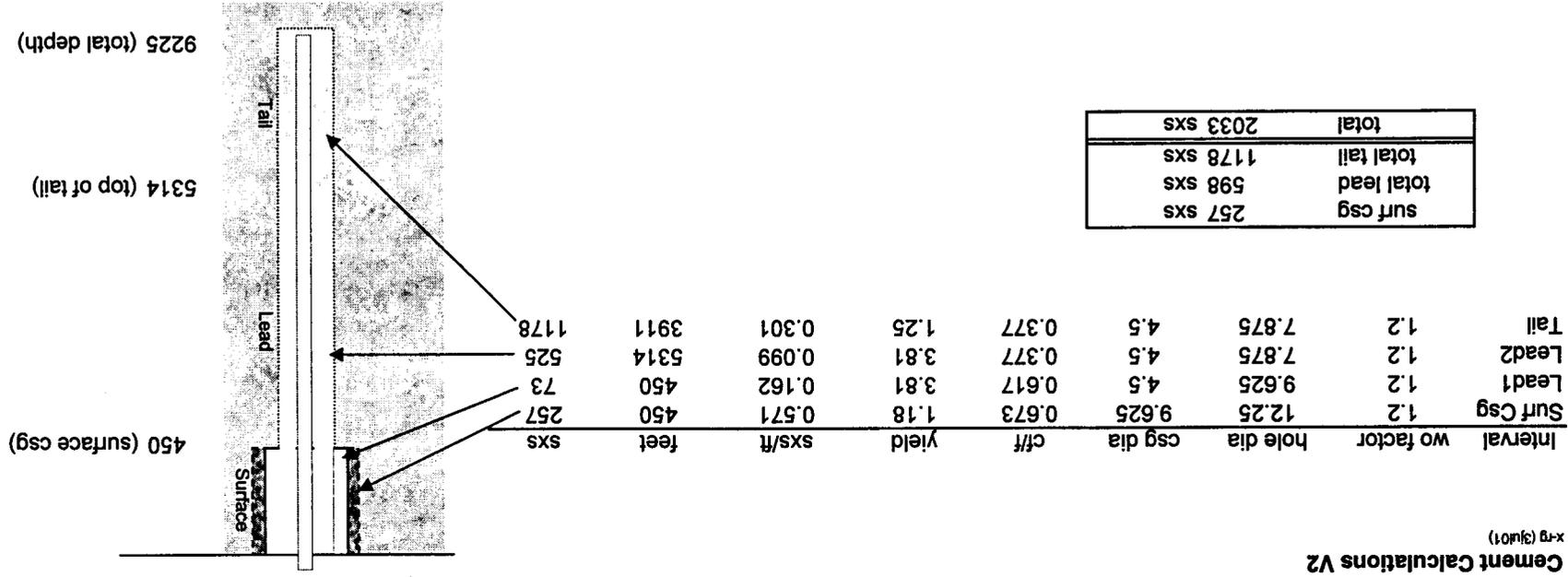
ONSHORE OIL & GAS ORDER NO. 1  
QEP Uinta Basin, Inc.  
OU GB 14W-16-8-22

### DRILLING PROGRAM

### SCHEMATIC DIAGRAM OF 3,000 PSI BOP STACK



**Cement Calculations V2**  
x-rq (3/4/01)



450 (surface csg)

Surf Csg

Lead1

Lead2

Lead

Tail

5314 (top of tail)

9225 (total depth)

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

009

5. LEASE DESIGNATION AND SERIAL NUMBER:  
**ML-22049**

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

7. UNIT or CA AGREEMENT NAME:  
**N/A**

8. WELL NAME and NUMBER:  
**00 GB 14W 16 8 22**

9. API NUMBER:  
**4304734619**

10. FIELD AND POOL, OR WILDCAT:  
**GLEN BENCH**

**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  GAS WELL  OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
**QEP, UINTA BASIN, INC.**

3. ADDRESS OF OPERATOR:  
**11002 E 17500 S VERNAL UT 84078**

PHONE NUMBER:  
**(435) 781-4342**

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: **892' FSL 1801' FWL** COUNTY: **UINTAH**

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **SESW 16 8S 22E S** STATE: **UTAH**

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

| TYPE OF SUBMISSION  | TYPE OF ACTION  |   |  |
|---|---|---|--|
| <input type="checkbox"/> NOTICE OF INTENT<br>(Submit in Duplicate)<br>Approximate date work will start:<br>_____          | <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 checked="" type="checkbox"/> SUBSEQUENT REPORT<br>(Submit Original Form Only)<br>Date of work completion:<br>_____ | <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: <b>SPUD</b> |
|   | <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.

**THIS WELL WAS SPUD ON 6/7/04. DRILLED USING 12-1/4" HOLE TO 425'. RIH W/ 10 JTS 9-5/8" 36# J-55 CASING & LANDED AT 433'KB. CEMENTED W/ 200 SXS PREMIUM CMT. TOP SET ON SIDE W/ 75 SXS PREMIUM CMT.**

RECEIVED  
JUN 17 2004

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) **DAHN F CALDWELL** TITLE **COMPLETION DEPT ADM ASST**

SIGNATURE *Robert F Caldwell* DATE **6/17/2004**

(This space for State use only)

ENTITY ACTION FORM

Operator: QEP, Uinta Basin, Inc.  
Address: 11002 E 17500 S  
city VERNAL  
state UT zip 84078

Operator Account Number: N 2460  
Phone Number: (435) 781-4342

Well 1

| API Number                 | Well Name             |                   | QQ        | Sec | Twp                              | Rng | County |
|----------------------------|-----------------------|-------------------|-----------|-----|----------------------------------|-----|--------|
| 4304734619                 | OU GB 14W 16 8 22     |                   | SESW      | 16  | 8                                | 22  | UINTAH |
| Action Code                | Current Entity Number | New Entity Number | Spud Date |     | Entity Assignment Effective Date |     |        |
| A                          | 99999                 | 14196             | 6/7/2004  |     | 6/21/04                          |     |        |
| Comments: mVRD not unit PA |                       |                   |           |     |                                  |     |        |

CONFIDENTIAL

Well 2

| API Number  | Well Name             |                   | QQ        | Sec | Twp                              | Rng | County |
|-------------|-----------------------|-------------------|-----------|-----|----------------------------------|-----|--------|
|             |                       |                   |           |     |                                  |     |        |
| Action Code | Current Entity Number | New Entity Number | Spud Date |     | Entity Assignment Effective Date |     |        |
|             |                       |                   |           |     |                                  |     |        |
| Comments:   |                       |                   |           |     |                                  |     |        |

Well 3

| API Number  | Well Name             |                   | QQ        | Sec | Twp                              | Rng | County |
|-------------|-----------------------|-------------------|-----------|-----|----------------------------------|-----|--------|
|             |                       |                   |           |     |                                  |     |        |
| Action Code | Current Entity Number | New Entity Number | Spud Date |     | Entity Assignment Effective Date |     |        |
|             |                       |                   |           |     |                                  |     |        |
| Comments:   |                       |                   |           |     |                                  |     |        |

ACTION CODES:

- 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)

DAHN F CALDWELL

Name (Please Print)

*John F Caldwell*

Signature

ADMINISTRATIVE ASST.

6/17/2004

Title

Date

RECEIVED

JUN 21 2004

DIV. OF OIL, GAS & MINING

CONFIDENTIAL

JULY 2,  
~~June 25~~, 2004

WEEKLY OPERATIONS REPORT –

TOBS R 22E S-16  
 43-042-34619

**UINTA BASIN**

**“Drilling Activity – Operated” 6-24-04:**

- Drilling below 10,378' on GB 14M-28-8-21, (77.5%WI) Mancos Test, Planned TD 12,775', Day 32 with Patterson #51 on Redrill. Set & cemented 7" drilling liner from 5450-9584'. Mud Weight = 12.2 ppg.
- Drilling at 2160' on ~~GB~~ GB 14MU-16-8-22, (77.50%WI) Wasatch/Kmv test. PTD 9,400', Day 2 with Patterson #77.
- Drilling below 1300' on SG 12MU-23-8-22 (43.75% WI) Wasatch/Kmv test. PTD 8500' Day 1 with Patterson #52.
- Waiting for True #26 drilling rig for NBE 7ML-17-9-23 (43.75% WI) Lower Mv test. PTD 9150'. Estimate this rig may be available approximately 7/15/04. Drilling Contract has been executed.

**Completions & New Wells to Sales 6-25-04:**

**SU BW 6M-7-7-22:** (25% WI) CIBP @ 12,700' over the Castlegate & Blackhawk; 1st Lower MV frac'd. & currently underneath solid composite BP & CIBP (which will be drilled up); pumped multiple cement squeezes which now will allow us to pump next 2 Lower MV frac stages (set for today). 1 more Lower MV frac stage is above current cement top.

**SU 11MU-9-8-21:** (100% WI) Pumped 6 Wasatch frags. Went to sales Thursday. FTP 183#, FCP 623#. Instantaneous rate of 680 mcf/d on a 48 choke. 2850 BLLTR; composite BP over the MV (tested 1.4 mmcf/d natural - after acid); will produce dually (MV up tbg. w/ Wasatch up the annulus) once Wasatch frags dry up to sales.

**From:** "Dahn Caldwell" <Dahn.Caldwell@questar.com>  
**To:** "Carol Daniels" <caroldaniels@utah.gov>  
**Date:** 7/2/04 11:23AM  
**Subject:** Weekly Operations Report for QEP, Uinta Basin, Inc. July 2, 2004

This report is named incorrectly, but it is this past week's info.

Have a great July 4th weekend.

Dahn Caldwell  
Completion Dept. Admin. Asst.  
435-781-4359 Redwash Office  
435-781-4342 Wonsits Valley Office  
435-828-0342 Cell Phone

**CC:** "Jim Simonton" <Jim.Simonton@questar.com>

## WEEKLY OPERATIONS REPORT – July 8, 2004

TOES R22E S-16  
43-047-34619

**UINTA BASIN****“Drilling Activity – Operated” 7-8-04:**

- Drilling below 11,990' on GB 14M-28-8-21, (77.5%WI) Mancos Test, Planned TD 12,775', Day 46 with Patterson #51 on Redrill. Set & cemented 7" drilling liner from 5450-9584'. Mud Weight = 13.6 ppg.
- Logging at 9119'TD on ~~GB~~ GB 14MU-16-8-22, (77.50%WI) Wasatch/Kmv test. PTD 9,400', Day 15 with Patterson #77.
- Drilling at 7800' on SG 12MU-25-8-22 (43.75% WI) Wasatch/Kmv test. PTD 8350' Day 7 with Patterson #52.
- Moving in True #26 drilling rig for NBE 7ML-17-9-23 (43.75% WI) Lower Mv test. PTD 9150'. Estimate this well to spud approximately 7/10/04. Drilling Contract has been executed. **Note Need Drilling Release from Land.**

**Completions & New Wells to Sales 7-8-04:**

**SU BW 6M-7-7-22:** (25% WI) CIBP @ 12,700' over the Castlegate & Blackhawk; 3 Lower MV intervals tested @ 540 psi FTP on a 20/64" ck. which calc. to a 1.3 Mmcfpd rate; starting P/L today; well will go to sales middle of next week once P/L is done and BHP and tracer log is run.

**WV 3MU-15-8-21:** (100% WI) Pumped 6 Wasatch fracs. (3 MV & 3 Wasatch); went to sales July 3<sup>rd</sup>; currently flowing 520 mcfpd @ 483 psi FTP & 1217 psi CP w/ 23 BOPD & 190 BWPD on a 18/64" choke.

**From:** "Dahn Caldwell" <Dahn.Caldwell@questar.com>  
**To:** "Carol Daniels" <caroldaniels@utah.gov>  
**Date:** 7/12/04 10:44AM  
**Subject:** Last Friday's Weekly Summary Report for QEP, Uinta Basin, Inc.

## WEEKLY OPERATIONS REPORT – July 22, 2004

TOBS R ARE S-16  
43-047-34619

UINTA BASIN“Drilling Activity – Operated” 7-22-04

- Drilling at 3039' on GH 4MU-20-8-21, (100.0%WI) Wasatch/Kmv Test, Planned TD 9,900', Day 1 with Patterson #51 .
- TOH to Log at 9074'TD on OU SG 13MU-14-8-22, (43.75%WI) Wasatch/Kmv test. PTD 9,100', Day 10 with Patterson #77.
- Drilling at 2217' on WRU EIH 5MU-25-8-22 (43.75% WI) Wasatch/Kmv test. PTD 8600' Day 1 with Patterson #52.
- Moving in True #26 drilling rig to NBE 4ML-26-9-23 (43.75% WI) Lower Mv test. PTD 8650'. Estimate this well to spud approximately 7/22/04.

Completions & New Wells to Sales 7-22-04:

SU BW 6M-7-7-22: 3 Lower MV fracs to sales 7/14/04; 800 mcfpd @ 1255/1667 psi w/ 28 BOPD & 28 BWPD on a 10/64" choke.

GB 14M-28-8-21: Facilities will be completed by Thurs.; MIRU workover rig Thurs. as well; will have to drill up comp. BP, cmt., & DV tool prior to running cased-hole logs for selecting completion intervals.

SG 12MU-23-8-22: Frac'd 5 zones on 7/16/04 (3 MV and 2 Wasatch); drld. all plugs, landed tbg.; swabbed well to kick off; was flowing on a 48/64" w/ FTP of 400 psi & 1500 psi CP w/15 BWPH; 705 bbls. rec. yesterday; 2600 BLLTR; to sales today.

GB 14MU-16-8-22: DO DV tool & c/o to PBTB; 5 zones on scheduled for Friday (1 MV and 4 Wasatch, 333,000# proppant).

WRU 12MU-25-8-22: MIRU Leed rig Thurs. (this rig replaces 1 of the 2 Pool rigs we let go); prep to do 3 fracs next week (2 MV and 1 Wasatch, 253,000# proppant).

## WEEKLY OPERATIONS REPORT – July 15, 2004

TOS K22E S-16  
43-047-34619

UINTA BASIN“Drilling Activity – Operated” 7-8-04: - Not reported. 7/15/04

- Drilling below 11,990' on GB 14M-28-8-21, (77.5%WI) Mancos Test, Planned TD 12,775', Day 46 with Patterson #51 on Redrill. Set & cemented 7" drilling liner from 5450-9584'. Mud Weight = 13.6 ppg.
- Logging at 9119'TD on GB 14MU-16-8-22, (77.50%WI) Wasatch/Kmv test. PTD 9,400', Day 15 with Patterson #77.
- Drilling at 7800' on SG 12MU-25-8-22 (43.75% WI) Wasatch/Kmv test. PTD 8350' Day 7 with Patterson #52.
- Moving in True #26 drilling rig for NBE 7ML-17-9-23 (43.75% WI) Lower Mv test. PTD 9150'. Estimate this well to spud approximately 7/10/04. Drilling Contract has been executed.

Completions & New Wells to Sales 7-15-04:

**SU BW 6M-7-7-22:** (25% WI) CIBP @ 12,700' over the Castlegate & Blackhawk; 3 Lower MV intervals to sales on 7-14-04; as of 7 a.m. today, well flowing @ 1.9 mmcfpd rate @ 3284 psi FTP & 3598 psi CP on a 9/64" ck. w/ 12 BWPD & 20 BOPD. One Lower MV left to frac still – will require additional sqz'ing (best zone off of logs).

**SU 11MU-9-8-21:** (100% WI) Pumped 6 Wasatch fracs.; went to production June 24<sup>th</sup>; composite BP over the MV (tested 1.4 mmcfpd natural - after acid). Drilling out CBP today and will flow test the MV under a retainer; the Wasatch intervals will remain shut-in unless they can maintain flow up the backside.

**From:** "Dahn Caldwell" <Dahn.Caldwell@questar.com>  
**To:** "Carol Daniels" <caroldaniels@utah.gov>  
**Date:** 7/19/04 7:59AM  
**Subject:** Weekly Summarized Report for 7/16/04

## WEEKLY OPERATIONS REPORT – July 29, 2004

UINTA BASIN

JOSS RARE S/16  
43-047-34619

“Drilling Activity – Operated” 7-22-04

- Drilling at 8221' on GH 4MU-20-8-21, (100.0%WI) Wasatch/Kmv Test, PTD 9,900', Day 8 with Patterson #51.
- Drilling at 5998'TD on GB 1MU-16-8-22, (77.50%WI) Wasatch/Kmv test. PTD 9,400', Day 10 with Patterson #77.
- Cementing 4-1/2" casing at 8412'TD on WRU EIH 5MU-25-8-22 (43.75% WI) Wasatch/Kmv test. PTD 8600' Day 8 with Patterson #52.
- Drilling at 8325' on NBE 4ML-26-9-23 (43.75% WI) Lower Mv test. PTD 8650'. Day 6 with True #26.

Completions & New Wells to Sales 7-29-04:

**SU BW 6M-7-7-22:** 3 Lower MV fracs to sales 7/14/04; 800 mcfpd @ 1100/1420 psi w/ 13 BOPD & 20 BWPD on a 10/64" choke.

**GB 14M-28-8-21:** Drilled up composite BP, cement stringers and DV tool. Clean out to bottom. Ran cased-hole logs Wednesday w/ Schlumberger. Cement looks questionable on the bottom part of the hole. Further pressure testing today while the completion teams reviews the log results.

**SG 12MU-23-8-22:** Frac'd 5 zones on 7/16/04 (3 MV and 2 Wasatch); to sales 7/22/04; flowing 1587 mcfpd on a 13/64" w/ FTP of 1533 psi & 1781 psi CP w/ 77 BWPD & 7 BOPD.

**GB 14MU-16-8-22:** 5 zones fraced on Saturday (7/24/04) (1 MV and 4 Wasatch; 333,000# proppant). Turn to production today. Recovering < 10 BWPH w/ 2150 BLLTR. FTP 800#, SICP 1175# on a 20/64" choke.

**WRU 12MU-25-8-22:** Leed rig on well. Fraced 3 zones on Wednesday. (2 MV and 1 Wasatch, 253,000# proppant). FCP 300# @ 6 am on a 32/64" choke. 30 - 50 BWPH. 370 BLR. 2520 BLLTR. Lube in kill plug today and prepare to drill out three plugs on Friday.

**From:** "Dahn Caldwell" <Dahn.Caldwell@questar.com>  
**To:** "Carol Daniels" <caroldaniels@utah.gov>  
**Date:** 7/30/04 2:40PM

Hi Carol,

Have a great weekend!

Dahn Caldwell  
Completion Dept. Admin. Asst.  
435-781-4359 Redwash Office  
435-781-4342 Wonsits Valley Office  
435-828-0342 Cell Phone

**CC:** "Kevin O'Connell" <Kevin.OConnell@questar.com>

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

**SUBMIT IN DUPLICATE**

(See other instructions on reverse side).

Form approved.  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

**018**

5. LEASE DESIGNATION AND SERIAL NO.  
**ML-22049**

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG \***

1a. TYPE OF WELL OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

b. TYPE OF COMPLETION NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESVR  Other \_\_\_\_\_

7. UNIT AGREEMENT NAME  
**N/A**

8. FARM OR LEASE NAME  
**N/A**

2. NAME OF OPERATOR  
**QEP UINTA BASIN, INC.**

9. WELL NO.  
**GB 14MU 16 8 22**

3. ADDRESS OF OPERATOR  
**11002 E. 17500 S. VERNAL, UT 84078-8526 435-781-4342**

10. FIELD AND POOL, OR WILDCAT  
**GLEN BENCH**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
  
At surface **892' FSL, 1801' FWL - SESW - Sec 16-T8S-R22E**  
At top rod. interval reported below **892' FSL, 1801' FWL - SESW - Sec 16-T8S-R22E**  
At total depth **892' FSL, 1801' FWL - SESW - Sec 16-T8S-R22E**

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
**Sec 16-T8S-R22E**

14. PERMIT NO. **API #43-047-34619** DATE ISSUED \_\_\_\_\_  
12. COUNTY OR PARISH **Uintah** 13. STATE **UT**

15. DATE SPUNDED **06/07/04** 16. DATE T.D. REACHED **07/08/04** 17. DATE COMPL. (Ready to prod.) **07/29/04** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* **KB** 19. ELEV. CASINGHEAD \_\_\_\_\_

20. TOTAL DEPTH, MD & TVD **9119'** 21. PLUG BACK T.D., MD & TVD **9030'** 22. IF MULTIPLE COMPL., HOW MANY\* **N/A** 23. INTERVALS DRILLED BY ROTARY TOOLS **No** CABLE TOOLS **No**

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\*  
**5756' - 5763'**  
**6627' - 6828'**  
**7104' - 7122'**  
**8342' - 8354'**  
**8560' - 8667'**

25. WAS DIRECTIONAL SURVEY MADE  
**No**

26. TYPE ELECTRIC AND OTHER LOGS RUN **HRI, Spectral Density DSN, CBL** 27. WAS WELL CORED  
**No**

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

| CASING SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
|-------------|-----------------|----------------|-----------|------------------|---------------|
| 9-5/8"      | 36#             | 433'           | 12-1/4"   | 200 sxs          |               |
| 4-1/2"      | 11.6#           | 9119'          | 7-7/8"    | 1875 sxs         |               |

29. LINER RECORD 30. TUBING RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | SIZE | DEPTH SET (MD) | PACKER SET (MD) |
|------|----------|-------------|---------------|-------------|------|----------------|-----------------|
|      |          |             |               |             |      |                |                 |

31. PERFORATION RECORD (Interval, size and number)

|               |  |
|---------------|--|
| 5756' - 5763' |  |
| 6627' - 6828' |  |
| 7104' - 7122' |  |
| 8342' - 8354' |  |
| 8560' - 8667' |  |

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

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED |
|---------------------|----------------------------------|
| 5756' - 5763'       | Frac w/ 39,000# in 21,294 Gals   |
| 6627' - 6828'       | Frac w/ 46,000# in 25,158 Gals   |
| 7104' - 7122'       | Frac w/ 20,000# in 13,818 Gals   |
| 8342' - 8354'       | Frac w/ 78,000# in 34,986 Gals   |
| 8560' - 8667'       | Frac w/ 150,000# in 62,160 Gals  |

33.\* PRODUCTION

DATE FIRST PRODUCTION **7/29/04** PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) **Flowing** WELL STATUS (Producing or shut-in) **Producing**

| DATE OF TEST | HOURS TESTED | CHOKE SIZE | PROD'N FOR TEST PERIOD | OIL--BBL. | GAS--MCF. | WATER--BBL. | GAS-OIL RATIO |
|--------------|--------------|------------|------------------------|-----------|-----------|-------------|---------------|
| 8/02/04      | 24           | 15         |                        | 17        | 954       | 80          |               |

| FLOW. TUBING PRESS. | CASING PRESSURE | CALCULATED 24-HOUR RATE | OIL--BBL. | GAS--MCF | WATER--BBL. | OIL GRAVITY-API (CORR.) |
|---------------------|-----------------|-------------------------|-----------|----------|-------------|-------------------------|
| 686                 | 1067            |                         |           |          |             |                         |

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

35. LIST OF ATTACHMENTS **None**

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

SIGNED **Jim Simonton** TITLE **Completion Supervisor** DATE **11/12/04**

**RECEIVED**  
**NOV 18 2004**

**DIV. OF OIL, GAS & MINING**

**CONFIDENTIAL**

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

38. GEOLOGIC MARKERS  
GB 14MU 16 8 22

| FORMATION   | TOP     | BOTTOM | DESCRIPTION, CONTENTS, ETC. | NAME        | MEAS. DEPTH | TOP | TRUE VERT. DEPTH |
|-------------|---------|--------|-----------------------------|-------------|-------------|-----|------------------|
| Uinta       | Surface |        |                             | Uinta       | Surface     |     |                  |
| Green River | 2442'   |        |                             | Green River | 2442'       |     |                  |
| Mahogany    | 3327'   |        |                             | Mahogany    | 3327'       |     |                  |
| G-1 Lime    | N/A     |        |                             | G-1 Lime    | N/A         |     |                  |
| Wasatch     | 5787'   |        |                             | Wasatch     | 5787'       |     |                  |
| Mesa Verde  | 8537'   |        |                             | Mesa Verde  | 8537'       |     |                  |
| TD          | 9119'   |        |                             | TD          | 9119'       |     |                  |

CONFIDENTIAL

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

017

**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.*

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

|  |  |  |
|--|--|--|
| 1. Type of Well<br><input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other |  | 5. Lease Serial No.<br>ML22049                       |
| 2. Name of Operator<br>QEP UINTA BASIN INC   |  | 6. If Indian, Allottee or Tribe Name                 |
| 3a. Address<br>11002 EAST 17500 SOUTH<br>VERNAL, UT 84078  |  | 7. If Unit or CA/Agreement, Name and/or No.          |
| 3b. Phone No. (include area code)<br>Ph: 435.781.4306<br>Fx: 435.781.4329  |  | 8. Well Name and No.<br>GB 14MU 16 8 22              |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)<br>Sec 16 T8S R22E SESW 892FSL 1801FWL                    |  | 9. API Well No.<br>43-047-34619                      |
|  |  | 10. Field and Pool, or Exploratory<br>GLEN BENCH     |
|  |  | 11. County or Parish, and State<br>UINTAH COUNTY, UT |

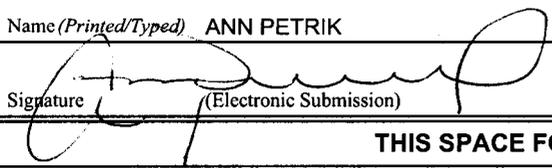
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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

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 COMMENCED PRODUCTION ON 7/29/04.

14. I hereby certify that the foregoing is true and correct.  
**Electronic Submission #34907 verified by the BLM Well Information System  
For QEP UINTA BASIN INC, sent to the Vernal**

|   |                               |
|---|-------------------------------|
| Name (Printed/Typed) ANN PETRIK   | Title OFFICE ADMINISTRATOR II |
| Signature  (Electronic Submission) | Date 08/19/2004               |

**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.

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

**RECEIVED**  
**AUG 24 2004**

**FIELD: Glen Bench**      GL: 4,843' KBE: 4,857'      Spud Date: 6-7-04      Completion date: 7-29-04

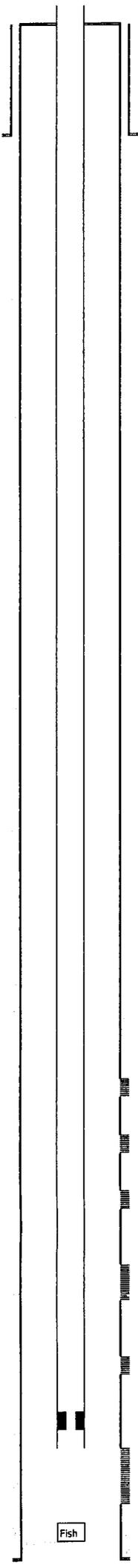
**Well: GB 14MU-16-8-22**      TD: 9,119' PBD: 9,074'      Current Well Status: Flowing Gas Well

Location: SESW sec. 16, T8S, R22E  
 API#:43-047-34619  
 Uintah County, Utah

**Reason for Pull/Workover:**  
 Initial Completion

**Wellbore Schematic**

**Surface casing**  
 Size: 9-5/8"  
 Weight: 36#  
 Grade: J-55  
 Set @ 433'  
 Cmtd w/ 200 sks  
 Hole size: 12-1/4"



EXCLUDED PERFS

TOC @ 2580'  
 OPEN PERFS

**Production Casing**  
 Size: 4-1/2"  
 Weight: 11.6#  
 Grade: M-80  
 Set @ 9119'  
 Cmtd w/ 1875 sks  
 Hole size: 7-7/8"

F Nipple @ 8495'  
 EOT @ 8528'  
 8560' - 8565' w/2 spf  
 8628' - 8633' w/2 spf  
 8663' - 8667' w/2 spf  
 PBD @ 9074'  
 TD @ 9119'

**Tubing Landing Detail:**

| Description         | Size   | Footage  | Depth           |
|---------------------|--------|----------|-----------------|
| KB                  |        | 14.00    | 14.00           |
| Hanger              |        | 0.75     | 14.75           |
| 263 jts.            | 2-3/8" | 8,479.49 | 8,494.24        |
| F-nipple w/1.81" ID | 2-3/8" | 0.91     | 8,495.15        |
| 1 jt.               | 2-3/8" | 32.18    | 8,527.33        |
| Pump-off sub        |        | 1.10     | 8,528.43        |
| <b>EOT @</b>        |        |          | <b>8,528.43</b> |

**Tubing Information:**

Condition:  
 New:  Used:  Rerun:   
 Grade: J-55  
 Weight (#/ft): 4.7#

**Sucker Rod Detail:**

| Size | #Rods | Rod Type |
|------|-------|----------|
|      |       |          |
|      |       |          |
|      |       |          |
|      |       |          |
|      |       |          |
|      |       |          |

**Rod Information**

Condition:  
 New:  Used:  Rerun:   
 Grade:   
 Manufacture:

**Pump Information:**

API Designation  
 Example: 25 x 150 x RHAC X 20 X 6 X 2  
 Pump SN#:  Original Run Date:   
 RERUN  NEW RUN

| ESP Well                               | Flowing Well                         |
|--|--------------------------------------|
| Cable Size: <input type="checkbox"/>   | SN @ <input type="checkbox"/> 8494'  |
| Pump Intake @ <input type="checkbox"/> | PKR @ <input type="checkbox"/>       |
| End of Pump @ <input type="checkbox"/> | EOT @ <input type="checkbox"/> 8528' |

**Wellhead Detail:** Example: 7-1/16" 3000#

|  |
|--|
|  |
|  |
|  |

Other:   
 Hanger: Yes  No

**SUMMARY**

Mesa Verde  
 Zone 1 - 8663' - 8667', 8628' - 8633' & 8560' - 8565'. Frac: 150,000# 20/40.  
 Zone 2 - 8342' - 8354'. Frac: 78,000# 20/40.  
 Wasatch  
 Zone 3 - 7119' - 7122' & 7104' - 7112'.  
 Zone 4 - 6823' - 6828' & 6627' - 6634'. Frac: 46,000# 20/40.  
 Zone 5 - 5756' - 5763'. Frac: 39,000# 20/40.

Note: Fish is 3-7/8" bit & bottom half of pump-off sub. Length - 1.16'.

CONFIDENTIAL

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

|                |
|----------------|
| <b>ROUTING</b> |
| 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

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

**CA No.**

**Unit:**

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

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (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

| Original Well Name        | Well Name & No.           | Q/Q  | SEC | TWP  | RNG  | API        | Entity | Lease | Well Type | Status |
|---------------------------|---------------------------|------|-----|------|------|------------|--------|-------|-----------|--------|
| GB 6W-25-8-21             | GB 6W-25-8-21             | SENW | 25  | 080S | 210E | 4304734121 | 13440  | fee   | GW        | P      |
| GB 7W-25-8-21             | GB 7W-25-8-21             | SWNE | 25  | 080S | 210E | 4304734122 | 13436  | fee   | GW        | P      |
| GB 11W-30-8-22            | <b>OU GB 11W 30 8 22</b>  | NESW | 30  | 080S | 220E | 4304734392 | 13433  | fee   | GW        | P      |
| UTAH STATE 1              | <b>STATE 1</b>            | NENE | 36  | 070S | 240E | 4304715128 | 5878   | State | GW        | P      |
| KAYE STATE 1-16           | KAYE STATE 1-16           | NWNW | 16  | 100S | 230E | 4304730609 | 5395   | State | GW        | P      |
| TOLL STATION ST 8-36-8-21 | TOLL STATION ST 8-36-8-21 | SENE | 36  | 080S | 210E | 4304732724 | 12361  | State | GW        | S      |
| GLEN BENCH ST 8A-36-8-21  | <b>GB 8A 36 8 21</b>      | SENE | 36  | 080S | 210E | 4304733037 | 12377  | State | GW        | P      |
| GLEN BENCH ST 6-36-8-21   | <b>GB 6 36 8 21</b>       | SENW | 36  | 080S | 210E | 4304733038 | 12378  | State | GW        | P      |
| GLEN BENCH ST 2-36-8-21   | <b>GB 2 36 8 21</b>       | NWNE | 36  | 080S | 210E | 4304733252 | 12527  | State | GW        | P      |
| GH 1W-32-8-21             | GH 1W-32-8-21             | NENE | 32  | 080S | 210E | 4304733570 | 12797  | State | GW        | P      |
| GH 3W-32-8-21             | GH 3W-32-8-21             | NENW | 32  | 080S | 210E | 4304733571 | 12796  | State | GW        | P      |
| GH 5W-32-8-21             | GH 5W-32-8-21             | SWNW | 32  | 080S | 210E | 4304733572 | 12828  | State | GW        | P      |
| GH 7W-32-8-21             | GH 7W-32-8-21             | SWNE | 32  | 080S | 210E | 4304733573 | 12872  | State | GW        | P      |
| GH 2W-32-8-21             | GH 2W-32-8-21             | NWNE | 32  | 080S | 210E | 4304733744 | 13029  | State | GW        | P      |
| GH 4W-32-8-21             | GH 4W-32-8-21             | NWNW | 32  | 080S | 210E | 4304733745 | 13035  | State | GW        | P      |
| GH 8W-32-8-21             | GH 8W-32-8-21             | SENE | 32  | 080S | 210E | 4304733746 | 13030  | State | GW        | P      |
| GB 3W-16-8-22             | <b>OU GB 3W 16 8 22</b>   | NENW | 16  | 080S | 220E | 4304733751 | 13577  | State | GW        | P      |
| GB 5W-16-8-22             | <b>OU GB 5W 16 8 22</b>   | SWNW | 16  | 080S | 220E | 4304733752 | 13570  | State | GW        | P      |
| GH 6W-32-8-21             | GH 6W-32-8-21             | SENW | 32  | 080S | 210E | 4304733753 | 13036  | State | GW        | P      |
| GB 11W-16-8-22            | <b>OU GB 11W 16 8 22</b>  | NESW | 16  | 080S | 220E | 4304733754 | 13582  | State | GW        | P      |
| GH 5G-32-8-21             | GH 5G-32-8-21             | SWNW | 32  | 080S | 210E | 4304733866 | 13037  | State | OW        | P      |
| GB 1W-36-8-21             | GB 1W-36-8-21             | NENE | 36  | 080S | 210E | 4304733944 | 13439  | State | GW        | P      |
| WV 7W-36-7-21             | WV 7W-36-7-21             | SWNE | 36  | 070S | 210E | 4304734065 | 13334  | State | GW        | TA     |
| WV 9W-36-7-21             | WV 9W-36-7-21             | NESE | 36  | 070S | 210E | 4304734066 | 13331  | State | GW        | TA     |
| WV 9W-16-7-21             | WV 9W-16-7-21             | NESE | 16  | 070S | 210E | 4304734324 |        | State | GW        | LA     |
| OU GB 4W-16-8-22          | OU GB 4W-16-8-22          | NWNW | 16  | 080S | 220E | 4304734598 | 13579  | State | GW        | P      |
| OU GB 10W-16-8-22         | OU GB 10W-16-8-22         | NWSE | 16  | 080S | 220E | 4304734616 |        | State | GW        | LA     |
| OU GB 12W-16-8-22         | OU GB 12W-16-8-22         | NWSW | 16  | 080S | 220E | 4304734617 | 13697  | State | GW        | P      |
| OU GB 13W-16-8-22         | OU GB 13W-16-8-22         | SWSW | 16  | 080S | 220E | 4304734618 | 13611  | State | GW        | P      |
| GB 14MU-16-8-22           | GB 14MU-16-8-22           | SESW | 16  | 080S | 220E | 4304734619 | 14196  | State | GW        | P      |
| OU GB 15W-16-8-22         | OU GB 15W-16-8-22         | SWSE | 16  | 080S | 220E | 4304734622 | 13595  | State | GW        | P      |
| OU GB 16W-16-8-22         | OU GB 16W-16-8-22         | SESE | 16  | 080S | 220E | 4304734655 | 13815  | State | GW        | P      |
| OU GB 2W-16-8-22          | OU GB 2W-16-8-22          | NWNE | 16  | 080S | 220E | 4304734657 | 13721  | State | GW        | P      |
| OU GB 6W-16-8-22          | OU GB 6W-16-8-22          | SENW | 16  | 080S | 220E | 4304734658 | 13592  | State | GW        | P      |
| OU GB 8W-16-8-22          | OU GB 8W-16-8-22          | SENE | 16  | 080S | 220E | 4304734660 | 13769  | State | GW        | TA     |
| OU GB 9W-16-8-22          | OU GB 9W-16-8-22          | NESE | 16  | 080S | 220E | 4304734692 |        | State | GW        | LA     |
| OU GB 15G-16-8-22         | OU GB 15G-16-8-22         | SWSE | 16  | 080S | 220E | 4304734829 | 13777  | State | OW        | S      |
| GB 7MU-36-8-21            | GB 7MU-36-8-21            | SWNE | 36  | 080S | 210E | 4304734893 | 14591  | State | GW        | P      |
| GB 3W-36-8-21             | GB 3W-36-8-21             | NENW | 36  | 080S | 210E | 4304734894 | 13791  | State | GW        | P      |
| NC 8M-32-8-22             | NC 8M-32-8-22             | SENE | 32  | 080S | 220E | 4304734897 |        | State | GW        | LA     |
| NC 3M-32-8-22             | NC 3M-32-8-22             | NENW | 32  | 080S | 220E | 4304734899 |        | State | GW        | LA     |

| Original Well Name | Well Name & No.        | Q/Q  | SEC | TWP  | RNG  | API        | Entity | Lease | Well Type | Status |
|--------------------|------------------------|------|-----|------|------|------------|--------|-------|-----------|--------|
| GB 5W-36-8-21      | GB 5W-36-8-21          | SWNW | 36  | 080S | 210E | 4304734925 | 13808  | State | GW        | P      |
| GB 4MU-36-8-21     | GB 4MU-36-8-21         | NWNW | 36  | 080S | 210E | 4304734926 | 14589  | State | GW        | P      |
| NC 11M-32-8-22     | NC 11M-32-8-22         | NESW | 32  | 080S | 220E | 4304735040 |        | State | GW        | LA     |
| GB 5SG-36-8-21     | GB 5SG-36-8-21         | SWNW | 36  | 080S | 210E | 4304735155 | 14015  | State | GW        | P      |
| SC 13ML-16-10-23   | SC 13ML-16-10-23       | SWSW | 16  | 100S | 230E | 4304735281 | 14036  | State | GW        | P      |
| SC 3M-16-10-23     | <b>SC 3ML 16 10 23</b> | NENW | 16  | 100S | 230E | 4304735282 | 14014  | State | GW        | P      |
| SC 11ML-16-10-23   | SC 11ML-16-10-23       | NESW | 16  | 100S | 230E | 4304735311 | 14035  | State | GW        | P      |
| BB E 15G-16-7-21   | <b>BBE 15G 16 7 21</b> | SWSE | 16  | 070S | 210E | 4304735408 | 14070  | State | OW        | P      |
| WH 13G-2-7-24      | WH 13G-2-7-24          | SWSW | 02  | 070S | 240E | 4304735484 | 14176  | State | GW        | TA     |
| FR 9P-36-14-19     | FR 9P-36-14-19         | NWSW | 31  | 140S | 200E | 4304735880 | 14310  | State | GW        | S      |
| CB 13G-36-6-20     | CB 13G-36-6-20         | SWSW | 36  | 060S | 200E | 4304735969 |        | State | OW        | LA     |
| WH 2G-2-7-24       | WH 2G-2-7-24           | NWNE | 02  | 070S | 240E | 4304736259 |        | State | GW        | APD    |
| WH 4G-2-7-24       | WH 4G-2-7-24           | NWNW | 02  | 070S | 240E | 4304736261 |        | State | GW        | APD    |
| FR 1P-36-14-19     | FR 1P-36-14-19         | NWNW | 31  | 140S | 200E | 4304736300 | 14859  | State | GW        | S      |
| WK 3ML-2-9-24      | WK 3ML-2-9-24          | NENW | 02  | 090S | 240E | 4304736723 |        | State | GW        | APD    |
| WK 7ML-2-9-24      | WK 7ML-2-9-24          | SWNE | 02  | 090S | 240E | 4304736724 |        | State | GW        | APD    |
| SC 5ML-16-10-23    | SC 5ML-16-10-23        | SWNW | 16  | 100S | 230E | 4304736877 | 15125  | State | GW        | P      |
| SC 12ML-16-10-23   | SC 12ML-16-10-23       | NWSW | 16  | 100S | 230E | 4304736878 | 15053  | State | GW        | P      |
| SC 14ML-16-10-23   | SC 14ML-16-10-23       | SESW | 16  | 100S | 230E | 4304736908 | 15070  | State | GW        | P      |
| SC 4ML-16-10-23    | SC 4ML-16-10-23        | NWNW | 16  | 100S | 230E | 4304736912 | 15208  | State | GW        | P      |
| FR 3P-36-14-19     | FR 3P-36-14-19         | NWNW | 36  | 140S | 190E | 4304737376 | 15736  | State | GW        | DRL    |
| BBE 9W-16-7-21     | BBE 9W-16-7-21         | NESE | 16  | 070S | 210E | 4304737745 |        | State | GW        | APD    |
| GB 10ML-16-8-22    | GB 10ML-16-8-22        | NWSE | 16  | 080S | 220E | 4304737943 |        | State | GW        | APD    |
| GB 9ML-16-8-22     | GB 9ML-16-8-22         | NESE | 16  | 080S | 220E | 4304737944 | 15851  | State | GW        | DRL    |
| FR 11P-36-14-19    | FR 11P-36-14-19        | NWSW | 36  | 140S | 190E | 4304738349 |        | State | GW        | DRL    |
| GB 4SG-36-8-21     | GB 4SG-36-8-21         | NWNW | 36  | 080S | 210E | 4304738764 |        | State | GW        | APD    |
| GB 7SG-36-8-21     | GB 7SG-36-8-21         | SWNE | 36  | 080S | 210E | 4304738765 |        | State | GW        | APD    |

**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.

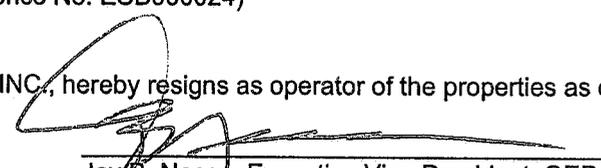
|  |   |
|--|---|
| 1. TYPE OF WELL<br>OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____ | 5. LEASE DESIGNATION AND SERIAL NUMBER:<br>see attached |
| 2. NAME OF OPERATOR:<br><b>QUESTAR EXPLORATION AND PRODUCTION COMPANY</b>                          | 6. IF INDIAN, ALLOTTEE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

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

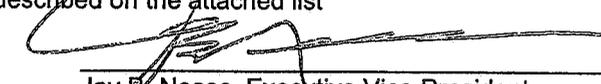
| TYPE OF SUBMISSION  | TYPE OF ACTION  |  |   |
|---|---|--|---|
| <input checked="" type="checkbox"/> NOTICE OF INTENT<br>(Submit in Duplicate)<br><br>Approximate date work will start:<br><u>1/1/2007</u> | <input type="checkbox"/> ACIDIZE<br><input type="checkbox"/> ALTER CASING<br><input type="checkbox"/>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

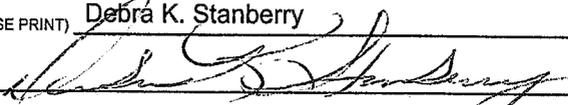
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

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>                      |

(This space for State use only)

RECEIVED  
APR 19 2007

**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.

|   |  |  |
|---|--|--|
| <b>1. TYPE OF WELL</b><br>OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____ |  | <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b><br>see attached |
| <b>2. NAME OF OPERATOR:</b><br>QUESTAR EXPLORATION AND PRODUCTION COMPANY                                 |  | <b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b><br>see attached   |
| <b>3. ADDRESS OF OPERATOR:</b><br>1050 17th Street Suite 500 Denver STATE CO ZIP 80265                    |  | <b>7. UNIT or CA AGREEMENT NAME:</b><br>see attached           |
| <b>4. LOCATION OF WELL</b><br>FOOTAGES AT SURFACE: attached   |  | <b>8. WELL NAME and NUMBER:</b><br>see attached                |
| QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:  |  | <b>9. API NUMBER:</b><br>attached                              |
| COUNTY: Uintah  |  | <b>10. FIELD AND POOL, OR WILDCAT:</b>                         |
| 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"/> <b>NOTICE OF INTENT</b><br>(Submit in Duplicate)<br>Approximate date work will start:<br><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"/> <b>SUBSEQUENT REPORT</b><br>(Submit Original Form Only)<br>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>                       |

(This space for State use only)

**RECEIVED**

**APR 19 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**

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

CA No.

Unit:

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

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (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: 764611-0143
- (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**

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

|   |
|---|
| 5. LEASE DESIGNATION AND SERIAL NUMBER:<br>See attached |
| 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:<br>See attached   |
| 7. UNIT or CA AGREEMENT NAME:<br>See attached           |
| 8. WELL NAME and NUMBER:<br>See attached                |
| 9. API NUMBER:<br>Attached                              |
| 10. FIELD AND POOL, OR WILDCAT:<br>See attached         |

1 TYPE OF WELL      OIL WELL       GAS WELL       OTHER \_\_\_\_\_

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

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

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: See attached  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

COUNTY: Attached  
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<br>(Submit in Duplicate)<br>Approximate date work will start:<br><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"/> 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<br>(Submit Original Form Only)<br>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 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~~ } *965010695*  
BIA Bond Number: ~~799446~~ } *965010693*

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

NAME (PLEASE PRINT) Morgan Anderson      TITLE Regulatory Affairs Analyst  
SIGNATURE *Morgan Anderson*      DATE 6/23/2010

(This space for State use only)

**RECEIVED**  
**JUN 28 2010**

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

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

| well_name                 | sec | tpw  | rng  | api        | entity | mineral<br>lease | type | stat | C |
|---------------------------|-----|------|------|------------|--------|------------------|------|------|---|
| Wr 16G-32-10-17           | 32  | 100S | 170E | 4301350370 |        | State            | OW   | NEW  | C |
| STATE 1                   | 36  | 070S | 240E | 4304715128 | 5878   | State            | GW   | P    |   |
| KAYE STATE 1-16           | 16  | 100S | 230E | 4304730609 | 5395   | State            | GW   | P    |   |
| TOLL STATION ST 8-36-8-21 | 36  | 080S | 210E | 4304732724 | 12361  | State            | GW   | S    |   |
| GB 8A-36-8-21             | 36  | 080S | 210E | 4304733037 | 12377  | State            | GW   | P    |   |
| GB 6-36-8-21              | 36  | 080S | 210E | 4304733038 | 12378  | State            | GW   | P    |   |
| GB 2-36-8-21              | 36  | 080S | 210E | 4304733252 | 12527  | State            | GW   | P    |   |
| GH 1W-32-8-21             | 32  | 080S | 210E | 4304733570 | 12797  | State            | GW   | P    |   |
| GH 3W-32-8-21             | 32  | 080S | 210E | 4304733571 | 12796  | State            | GW   | P    |   |
| GH 5W-32-8-21             | 32  | 080S | 210E | 4304733572 | 12828  | State            | GW   | P    |   |
| GH 7W-32-8-21             | 32  | 080S | 210E | 4304733573 | 12872  | State            | GW   | P    |   |
| GH 2W-32-8-21             | 32  | 080S | 210E | 4304733744 | 13029  | State            | GW   | P    |   |
| GH 4W-32-8-21             | 32  | 080S | 210E | 4304733745 | 13035  | State            | GW   | P    |   |
| GH 8W-32-8-21             | 32  | 080S | 210E | 4304733746 | 13030  | State            | GW   | P    |   |
| OU GB 3W-16-8-22          | 16  | 080S | 220E | 4304733751 | 13577  | State            | GW   | P    |   |
| OU GB 5W-16-8-22          | 16  | 080S | 220E | 4304733752 | 13570  | State            | GW   | P    |   |
| GH 6W-32-8-21             | 32  | 080S | 210E | 4304733753 | 13036  | State            | GW   | P    |   |
| OU GB 11W-16-8-22         | 16  | 080S | 220E | 4304733754 | 13582  | State            | GW   | P    |   |
| GH 5G-32-8-21             | 32  | 080S | 210E | 4304733866 | 13037  | State            | OW   | P    |   |
| GB 1W-36-8-21             | 36  | 080S | 210E | 4304733944 | 13439  | State            | GW   | P    |   |
| WV 2W-2-8-21              | 02  | 080S | 210E | 4304734034 | 13678  | State            | GW   | P    |   |
| GB 6W-25-8-21             | 25  | 080S | 210E | 4304734121 | 13440  | Fee              | GW   | P    |   |
| GB 7W-25-8-21             | 25  | 080S | 210E | 4304734122 | 13436  | Fee              | GW   | P    |   |
| WV 9W-16-7-21             | 16  | 070S | 210E | 4304734324 |        | State            | GW   | LA   |   |
| OU GB 11W-30-8-22         | 30  | 080S | 220E | 4304734392 | 13433  | Fee              | GW   | P    |   |
| OU GB 4W-16-8-22          | 16  | 080S | 220E | 4304734598 | 13579  | State            | GW   | P    |   |
| OU GB 10W-16-8-22         | 16  | 080S | 220E | 4304734616 |        | State            | GW   | LA   |   |
| OU GB 12W-16-8-22         | 16  | 080S | 220E | 4304734617 | 13697  | State            | GW   | P    |   |
| OU GB 13W-16-8-22         | 16  | 080S | 220E | 4304734618 | 13611  | State            | GW   | P    |   |
| GB 14MU-16-8-22           | 16  | 080S | 220E | 4304734619 | 14196  | State            | GW   | P    |   |
| OU GB 15W-16-8-22         | 16  | 080S | 220E | 4304734622 | 13595  | State            | GW   | P    |   |
| OU GB 16W-16-8-22         | 16  | 080S | 220E | 4304734655 | 13815  | State            | GW   | P    |   |
| OU GB 2W-16-8-22          | 16  | 080S | 220E | 4304734657 | 13721  | State            | GW   | P    |   |
| OU GB 6W-16-8-22          | 16  | 080S | 220E | 4304734658 | 13592  | State            | GW   | P    |   |
| OU GB 8W-16-8-22          | 16  | 080S | 220E | 4304734660 | 13769  | State            | GW   | TA   |   |
| OU GB 9W-16-8-22          | 16  | 080S | 220E | 4304734692 |        | State            | GW   | LA   |   |
| OU GB 15G-16-8-22         | 16  | 080S | 220E | 4304734829 | 13777  | State            | OW   | S    |   |
| GB 7MU-36-8-21            | 36  | 080S | 210E | 4304734893 | 14591  | State            | GW   | P    |   |
| GB 3W-36-8-21             | 36  | 080S | 210E | 4304734894 | 13791  | State            | GW   | P    |   |
| NC 8M-32-8-22             | 32  | 080S | 220E | 4304734897 |        | State            | GW   | LA   |   |
| NC 3M-32-8-22             | 32  | 080S | 220E | 4304734899 |        | State            | GW   | LA   |   |
| GB 5W-36-8-21             | 36  | 080S | 210E | 4304734925 | 13808  | State            | GW   | P    |   |
| GB 4MU-36-8-21            | 36  | 080S | 210E | 4304734926 | 14589  | State            | GW   | P    |   |
| NC 11M-32-8-22            | 32  | 080S | 220E | 4304735040 |        | State            | GW   | LA   |   |
| GB 5SG-36-8-21            | 36  | 080S | 210E | 4304735155 | 14015  | State            | GW   | P    |   |
| SC 13ML-16-10-23          | 16  | 100S | 230E | 4304735281 | 14036  | State            | GW   | P    |   |
| SC 3ML-16-10-23           | 16  | 100S | 230E | 4304735282 | 14014  | State            | GW   | P    |   |
| SC 11ML-16-10-23          | 16  | 100S | 230E | 4304735311 | 14035  | State            | GW   | P    |   |
| WH 13G-2-7-24             | 02  | 070S | 240E | 4304735484 | 14176  | State            | D    | PA   |   |
| FR 9P-36-14-19            | 31  | 140S | 200E | 4304735880 | 14310  | State            | GW   | P    |   |
| CB 13G-36-6-20            | 36  | 060S | 200E | 4304735969 |        | State            | OW   | LA   |   |

Bonds: BLM = ESB000024

BIA = 956010693

State = 965010695

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

| well_name        | sec | twp  | rng  | api        | entity | mineral<br>lease | type | stat | C |
|------------------|-----|------|------|------------|--------|------------------|------|------|---|
| WH 2G-2-7-24     | 02  | 070S | 240E | 4304736259 |        | State            | GW   | LA   |   |
| WH 4G-2-7-24     | 02  | 070S | 240E | 4304736261 |        | State            | GW   | LA   |   |
| FR 1P-36-14-19   | 31  | 140S | 200E | 4304736300 | 14859  | State            | GW   | P    |   |
| WK 3ML-2-9-24    | 02  | 090S | 240E | 4304736723 |        | State            | GW   | LA   |   |
| WK 7ML-2-9-24    | 02  | 090S | 240E | 4304736724 |        | State            | GW   | LA   |   |
| SC 5ML-16-10-23  | 16  | 100S | 230E | 4304736877 | 15125  | State            | GW   | P    |   |
| SC 12ML-16-10-23 | 16  | 100S | 230E | 4304736878 | 15053  | State            | GW   | P    |   |
| SC 14ML-16-10-23 | 16  | 100S | 230E | 4304736908 | 15070  | State            | GW   | P    |   |
| SC 4ML-16-10-23  | 16  | 100S | 230E | 4304736912 | 15208  | State            | GW   | P    |   |
| FR 3P-36-14-19   | 36  | 140S | 190E | 4304737376 | 15736  | State            | GW   | P    |   |
| BZ 12ML-16-8-24  | 16  | 080S | 240E | 4304737670 |        | State            | GW   | LA   |   |
| BZ 10D-16-8-24   | 16  | 080S | 240E | 4304737671 | 15979  | State            | GW   | S    |   |
| BZ 14ML-16-8-24  | 16  | 080S | 240E | 4304737672 |        | State            | GW   | LA   |   |
| BBE 9W-16-7-21   | 16  | 070S | 210E | 4304737745 |        | State            | GW   | LA   |   |
| GB 10ML-16-8-22  | 16  | 080S | 220E | 4304737943 |        | State            | GW   | LA   |   |
| GB 9ML-16-8-22   | 16  | 080S | 220E | 4304737944 | 15851  | State            | GW   | P    |   |
| HR 2MU-2-12-23   | 02  | 120S | 230E | 4304738052 |        | State            | GW   | LA   |   |
| HR 3MU-2-12-23   | 02  | 120S | 230E | 4304738053 |        | State            | GW   | LA   |   |
| HR 6MU-2-12-23   | 02  | 120S | 230E | 4304738054 |        | State            | GW   | LA   |   |
| HR 10MU-2-12-23  | 02  | 120S | 230E | 4304738055 | 15737  | State            | GW   | S    |   |
| HR 12MU-2-12-23  | 02  | 120S | 230E | 4304738056 |        | State            | GW   | LA   |   |
| HR 14MU-2-12-23  | 02  | 120S | 230E | 4304738057 |        | State            | GW   | LA   |   |
| HR 16MU-2-12-23  | 02  | 120S | 230E | 4304738058 |        | State            | GW   | LA   |   |
| FR 11P-36-14-19  | 36  | 140S | 190E | 4304738349 | 15899  | State            | GW   | P    |   |
| GB 4SG-36-8-21   | 36  | 080S | 210E | 4304738764 | 16142  | State            | GW   | P    |   |
| GB 7SG-36-8-21   | 36  | 080S | 210E | 4304738765 | 16144  | State            | GW   | P    |   |
| WF 3D-32-15-19   | 32  | 150S | 190E | 4304738877 |        | State            | GW   | APD  | C |
| SCS 5C-32-14-19  | 32  | 140S | 190E | 4304738963 | 16759  | State            | GW   | P    |   |
| FR 7P-36-14-19   | 31  | 140S | 200E | 4304738992 | 15955  | State            | GW   | P    |   |
| SCS 10C-16-15-19 | 16  | 150S | 190E | 4304739683 | 16633  | State            | GW   | P    |   |
| FR 6P-16-14-19   | 16  | 140S | 190E | 4304740350 |        | State            | GW   | APD  | C |

Bonds: BLM = ESB000024

BIA = 956010693

State = 965010695