

Form 3100-3 (July 1992)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE

FORM APPROVED OMB NO. 1040-0138 Expires: February 29, 1995

001

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

TYPE OF WORK

DRILL [x]

DEEPEN [ ]

TYPE OF WELL

[ ]

[x]

[ ]

SINGLE ZONE [x]

MULTIPLE ZONE [ ]

OIL WELL

GAS WELL

OTHER

2. NAME OF OPERATOR

QEP UINTA BASIN, INC.

Contact: John Busch

E-Mail: jbusch@questar.com

3. ADDRESS

11002 E. 17500 S. Vernal, Ut 84078

Telephone number

Phone 435-781-4341 Fax 435-781-4323

4. LOCATION OF WELL (Report location clearly and in accordance with and State requirements\*)

At Surface

SESW 299' FSL 2410' FWL 40.101825 N Lat, 109.389236 W Lon

At proposed production zone SWSW 660' FSL 660' FWL

14. DISTANCE IN MILES FROM NEAREST TOWN OR POSTOFFICE\*

32 +/- SOUTH WEST FROM VERNAL, UT

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.

637362x 40.10183 (also to nearest drig, unit line if any) 4440094y -109.38847

299' +/-

16. NO. OF ACRES IN LEASE

320

17. NO. OF ACRES ASSIGNED TO THIS WELL

40

18. DISTANCE FROM PROPOSED location to nearest well, drilling, completed, applied for, on this lease, ft

1500' +/- BHL 636829y 4440204y 40.10291 -109.39470

19. PROPOSED DEPTH

9050' MD

8700' TVD

20. BLM/BIA Bond No. on file

ESB000024

21. ELEVATIONS (Show whether DF, RT, GR, ect.)

4923 GL

22. DATE WORK WILL START

ASAP

23. Estimated duration

10 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- 1. Well plat certified by a registered surveyor.
2. A Drilling Plan
3. A surface Use Plan ( if location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

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SIGNED

[Signature]

Name (printed/typed) JOHN BUSCH

DATE June 10-2004

TITLE Operations

(This space for Federal or State office use)

PERMIT NO.

43-047-35793

APPROVAL DATE

Application approval does not warrant or certify the applicant holds any legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon

CONDITIONS OF APPROVAL, IF ANY:

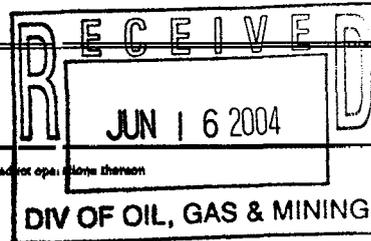
APPROVED BY

[Signature]

BRADLEY G. HILL ENVIRONMENTAL SCIENTIST III

DATE 09-20-04

\*See Instructions On Reverse Side



Federal Approval of this Action is Necessary

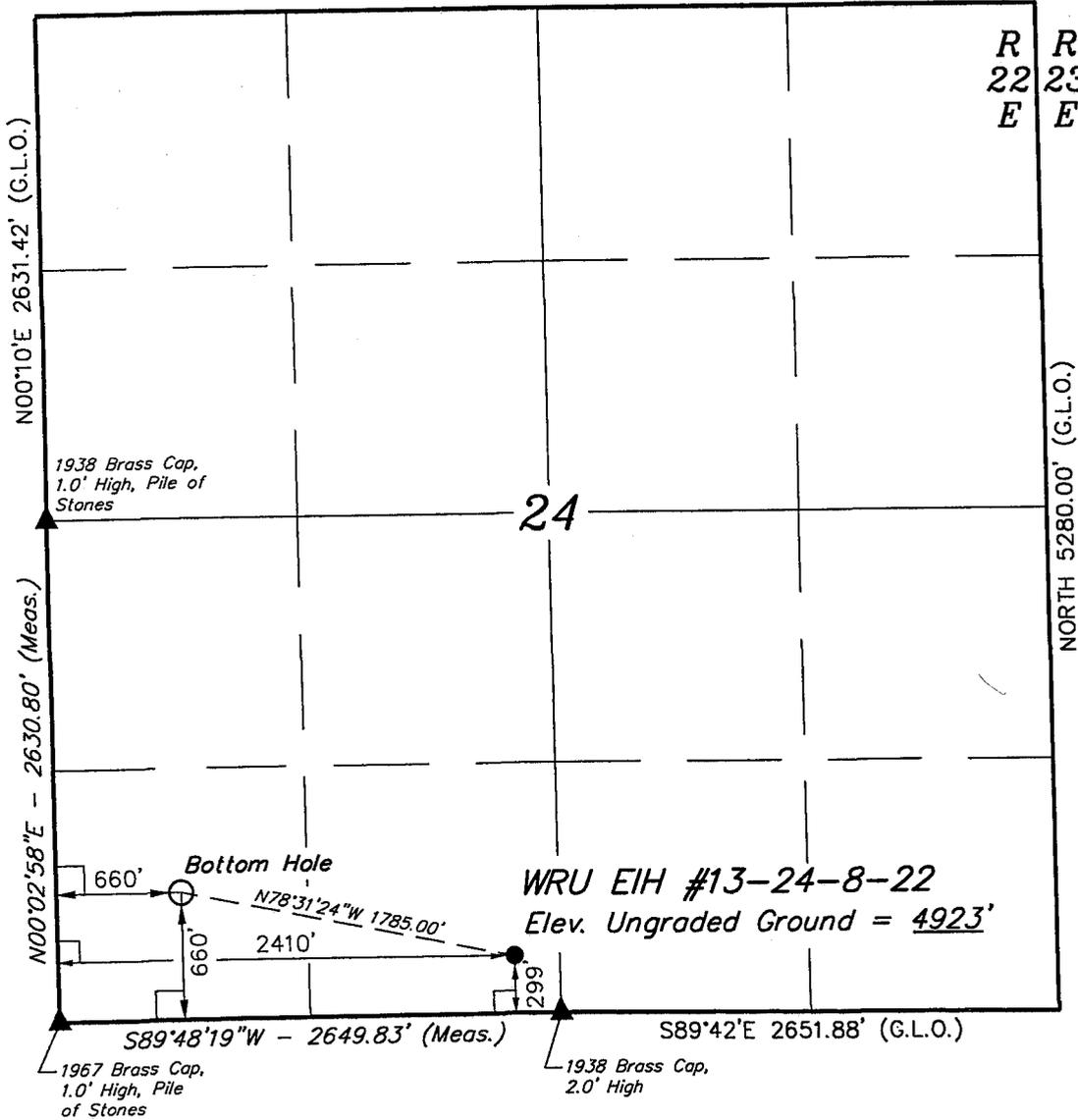
The 16 U.S.C Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

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

## QUESTAR EXPLORATION & PRODUCTION

Well location, WRU EIH #13W-24-8-22, located as shown in the SE 1/4 SW 1/4 of Section 24, T8S, R22E, S.L.B.&M. Uintah County, Utah.

N89°58'W 5290.56' (G.L.O.)

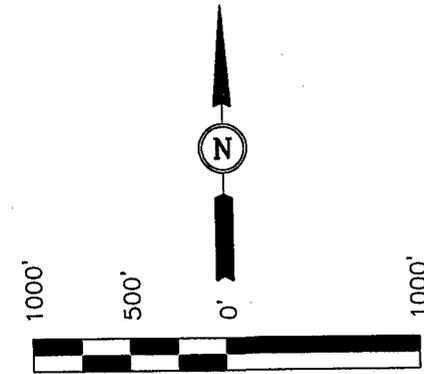


### BASIS OF ELEVATION

BENCH MARK 20EAM 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.

### BASIS OF BEARINGS

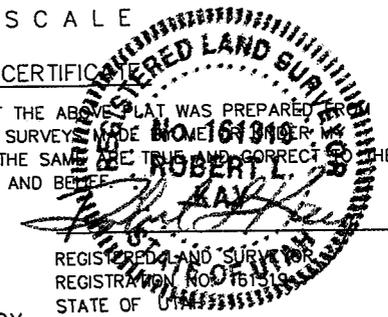
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



SCALE

CERTIFICATE

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



REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161910  
STATE OF UTAH

REVISED: 03-31-04 D.COX

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

### LEGEND:

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- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

(NAD 83)  
LATITUDE = 40°06'06.57" (40.101825)  
LONGITUDE = 109°23'21.25" (109.389236)

SCALE 1" = 1000'	DATE SURVEYED: 11-17-03	DATE DRAWN: 11-19-03
PARTY D.A. A.F. D.COX	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE QUESTAR EXPLORATION & PRODUCTION	

# QUESTAR EXPLR. & PROD.

WRU EIH #14W-24-8-22 & WRU EIH #13W-24-8-22

LOCATED IN UINTAH COUNTY, UTAH  
SECTION 24, T8S, R22E, S.L.B.&M. *mu*



PHOTO: VIEW FROM CORNER #1 TO LOCATION STAKES

CAMERA ANGLE: NORTHEASTSTERLY

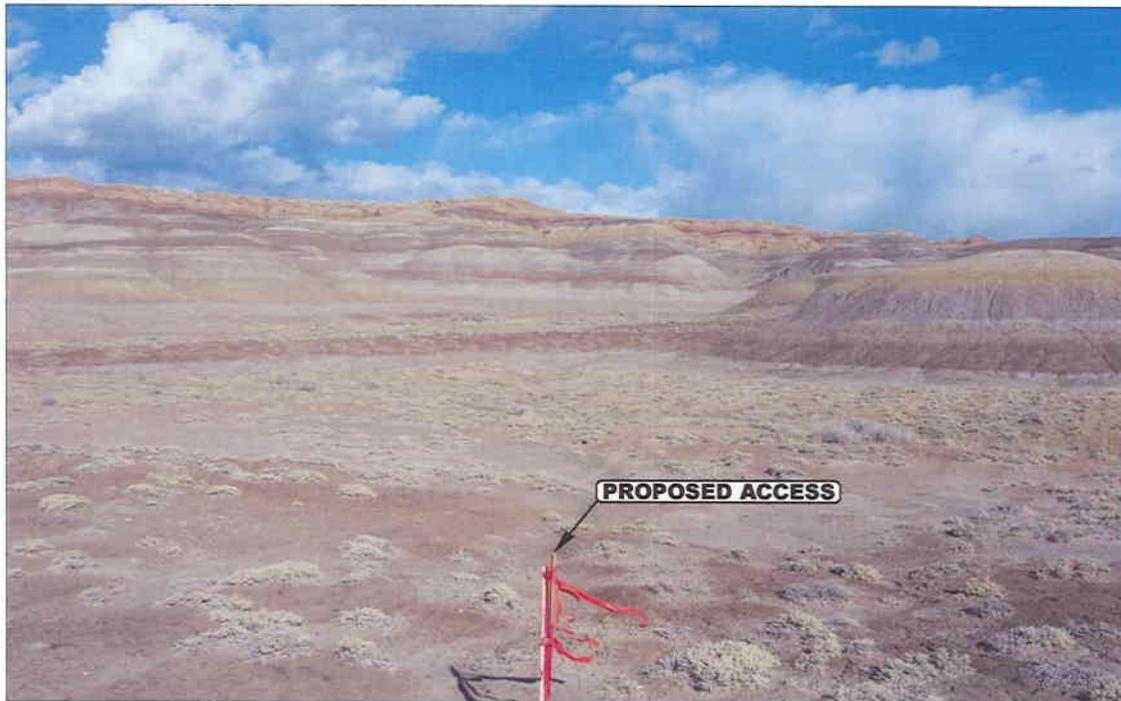


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHEASTERLY



- Since 1964 -

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

LOCATION PHOTOS	12	03	03	PHOTO
	MONTH	DAY	YEAR	
TAKEN BY: D.A.	DRAWN BY: P.M.	REVISED: 04-20-04		

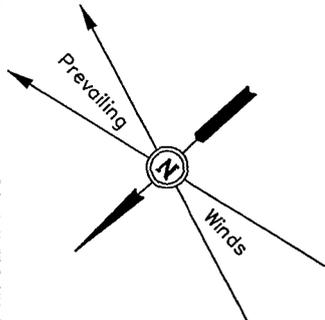
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# QUESTAR EXPLORATION & PROD.

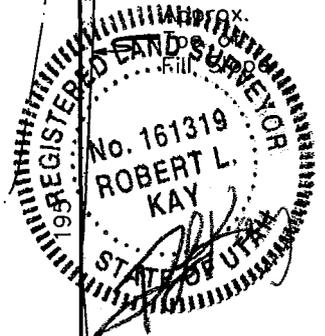
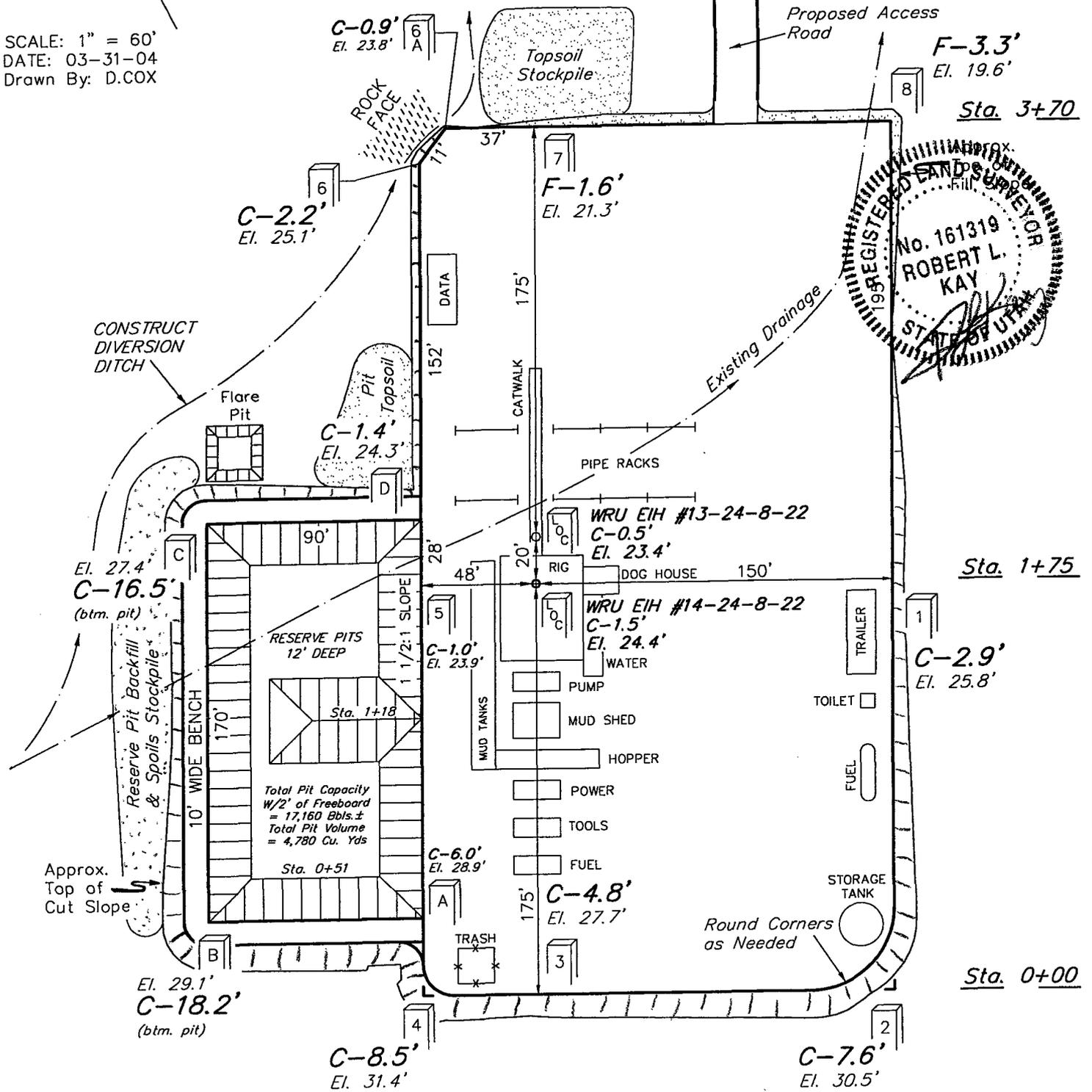
FIGURE #1

## LOCATION LAYOUT FOR

WRU EIH #14W-24-8-22 &  
 WRU EIH #13W-24-8-22  
 SECTION 24, T8S, R22E, U.S.B.&M.  
 SE 1/4 SW 1/4



SCALE: 1" = 60'  
 DATE: 03-31-04  
 Drawn By: D.COX



Elev. Ungraded Ground at Location Stake = 4924.4'  
 Elev. Graded Ground at Location Stake = 4922.9'

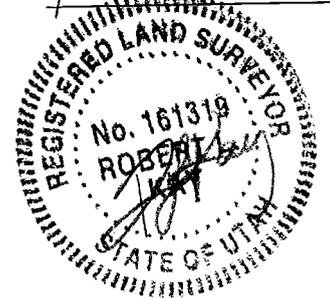
UINTAH ENGINEERING & LAND SURVEYING  
 85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

# QUESTAR EXPLORATION & PROD.

## TYPICAL CROSS SECTIONS FOR

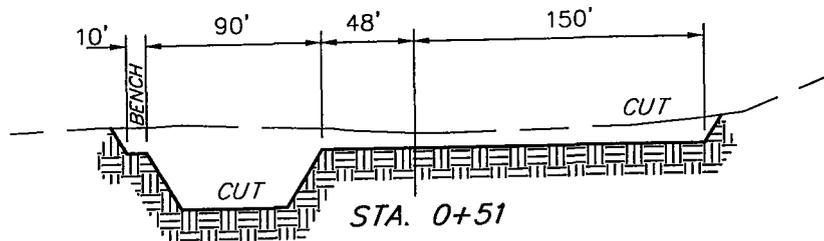
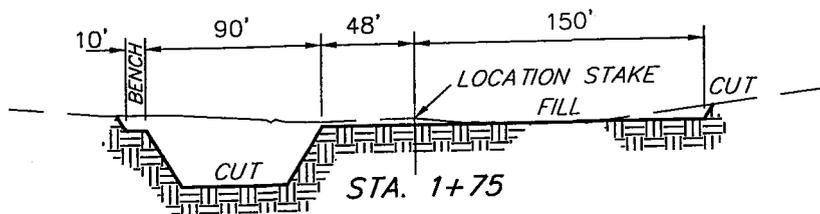
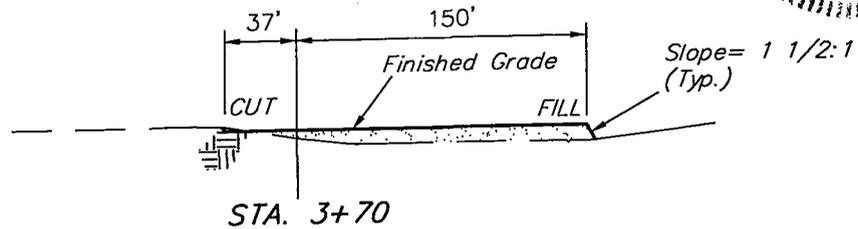
WRU EIH #14W-24-8-22 &  
 WRU EIH #13W-24-8-22  
 SECTION 24, T8S, R22E, U.S.B.&M.  
 SE 1/4 SW 1/4

FIGURE #2



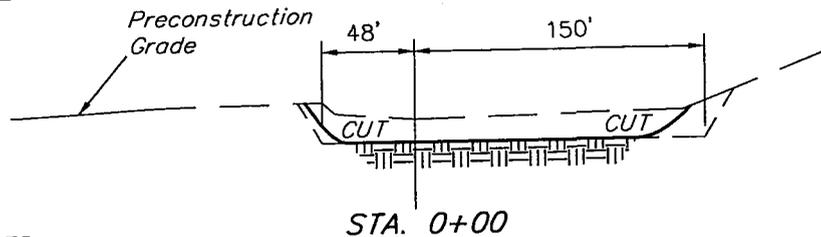
1" = 40'  
 X-Section  
 Scale  
 1" = 100'

DATE: 03-31-04  
 Drawn By: D.COX



**NOTE:**

Topsoil should not be Stripped Below Finished Grade on Substructure Area.



\* NOTE:  
 FILL QUANTITY INCLUDES  
 5% FOR COMPACTION

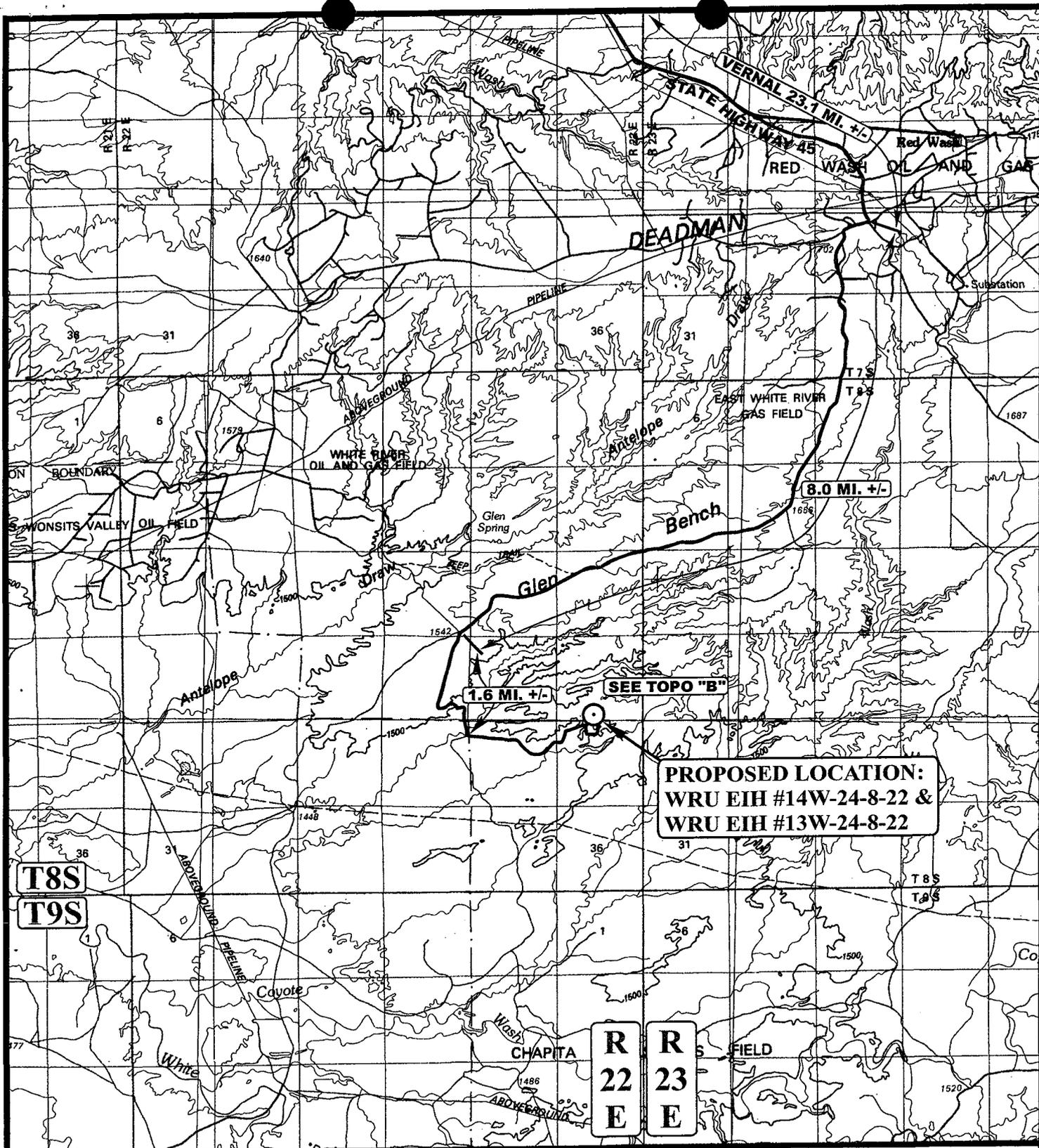
**APPROXIMATE YARDAGES**

<b>CUT</b>	
(6") Topsoil Stripping	= 1,900 Cu. Yds.
Remaining Location	= 10,220 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 12,120 CU.YDS.</b>
<b>FILL</b>	<b>= 2,190 CU.YDS.</b>

EXCESS MATERIAL	=	9,930 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	4,170 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	=	5,760 Cu. Yds.

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

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**PROPOSED LOCATION:  
WRU EIH #14W-24-8-22 &  
WRU EIH #13W-24-8-22**

**LEGEND:**

⊙ PROPOSED LOCATION

**QUESTAR EXPLR. & PROD.**

WRU EIH #14W-24-8-22 & WRU EIH #13W-24-8-22  
SECTION 24, T8S, R22E, S.L.B.&M.  
SE 1/4 SW 1/4



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



**TOPOGRAPHIC  
MAP**

**12 03 03**  
MONTH DAY YEAR

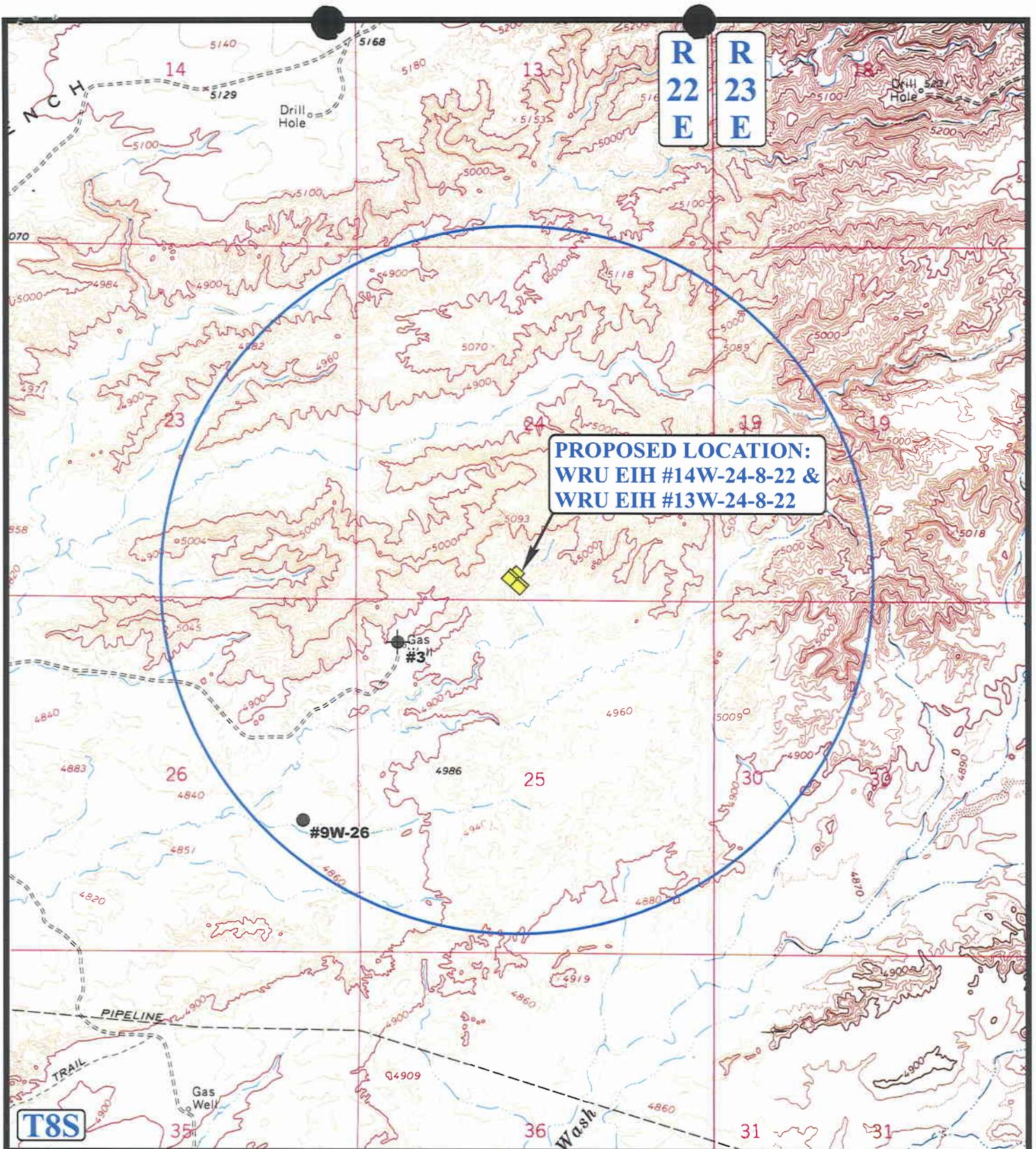
SCALE: 1:100,000 DRAWN BY: P.M.

REVISED: 04-20-04



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**LEGEND:**

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



**QUESTAR EXPLR. & PROD.**

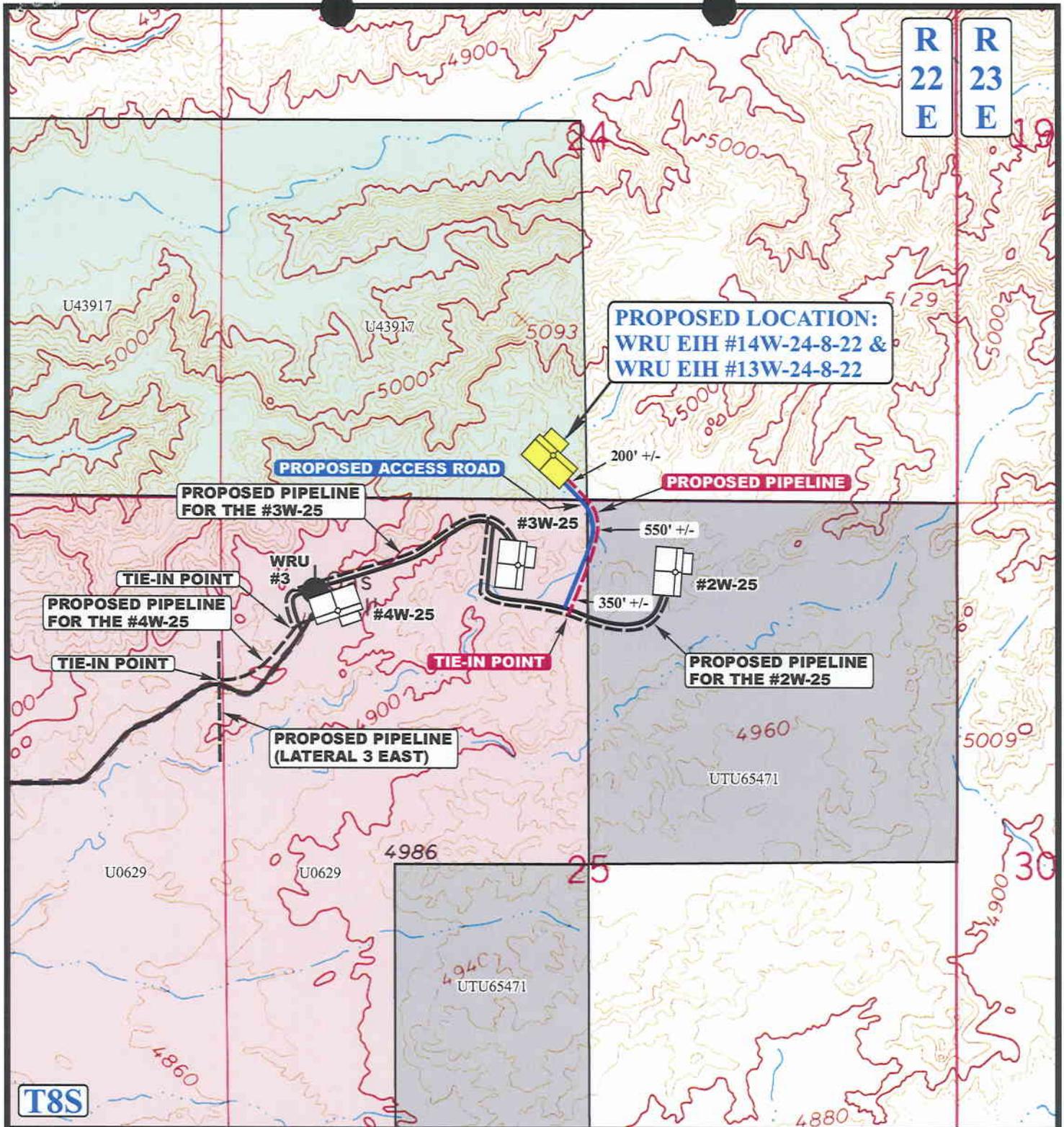
**WRU EIH #14W-24-8-22 & WRU EIH #13W-24-8-22**  
**SECTION 24, T8S, R22E, S.L.B.&M.**  
**SE 1/4 SW 1/4**

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

**TOPOGRAPHIC MAP** 12 03 03  
 MONTH DAY YEAR  
 SCALE: 1" = 2000' DRAWN BY: P.M. REVISED: 04-20-04 **C TOPO**

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R 22 E  
R 23 E



APPROXIMATE TOTAL PIPELINE DISTANCE = 1,100' +/-

**LEGEND:**

-  PROPOSED ACCESS ROAD
-  EXISTING PIPELINE
-  PROPOSED PIPELINE

**QUESTAR EXPLR. & PROD.**

WRU EIH #14W-24-8-22 & WRU EIH #13W-24-8-22  
SECTION 24, T8S, R22E, S.L.B.&M.  
SE 1/4 SW 1/4



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

**TOPOGRAPHIC MAP** 12 03 03  
MONTH DAY YEAR  
SCALE: 1" = 1000' DRAWN BY: P.M. REVISED: 04-20-04 **D TOPO**

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WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 06/17/2004

API NO. ASSIGNED: 43-047-35793

WELL NAME: WRU EIH 13MU-24-8-22

OPERATOR: QEP UINTA BASIN, INC. ( N2460 )

CONTACT: JOHN BUSCH

PHONE NUMBER: 435-781-4341

PROPOSED LOCATION:

SESW 24 080S 220E

SURFACE: 0299 FSL 2410 FWL

*SW SW* BOTTOM: 0660 FSL 0660 FWL

UINTAH

NATURAL BUTTES ( 630 )

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-43917

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: MVRD

COALBED METHANE WELL? NO

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LATITUDE: 40.10183

LONGITUDE: 109.38847

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. ESB000024 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. 43-8496 )
- RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )
- Fee Surf Agreement (Y/N)

LOCATION AND SITING:

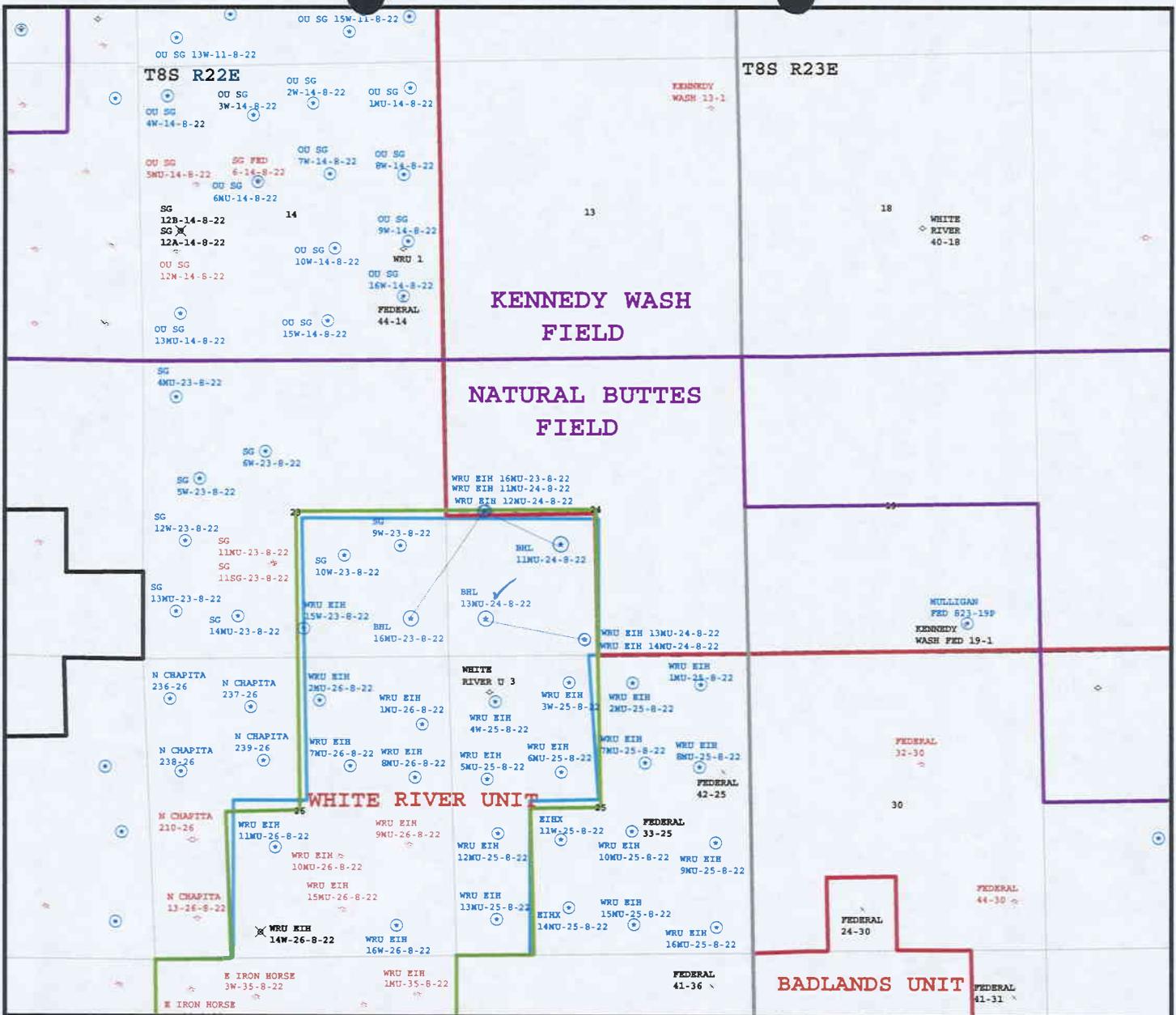
- \_\_\_\_\_ R649-2-3.
- Unit WHITE RIVER *or*
- \_\_\_\_\_ R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- \_\_\_\_\_ R649-3-3. Exception
- \_\_\_\_\_ Drilling Unit  
Board Cause No: \_\_\_\_\_  
Eff Date: \_\_\_\_\_  
Siting: \_\_\_\_\_
- R649-3-11. Directional Drill

COMMENTS:

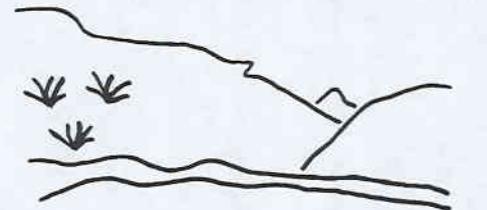
*Sup, Separate file*

STIPULATIONS:

- 1- Federal Approval*
- 2- Spacing Strip*



**OPERATOR: QEP UINTA BASIN INC (N2460)**  
**SEC. 24 T.8S, R.22E**  
**FIELD: NATURAL BUTTES (630)**  
**COUNTY: UINTAH**  
**SPACING: R649-3-11 / DIRECTIONAL DRILLING**



Utah Oil Gas and Mining

- Well Status**
- ⊕ GAS INJECTION
  - ⊖ GAS STORAGE
  - ⊗ LOCATION ABANDONED
  - ⊙ NEW LOCATION
  - ⊕ PLUGGED & ABANDONED
  - ⊖ PRODUCING GAS
  - ⊙ PRODUCING OIL
  - ⊕ SHUT-IN GAS
  - ⊖ SHUT-IN OIL
  - ⊗ TEMP. ABANDONED
  - ⊙ TEST WELL
  - ⊕ WATER INJECTION
  - ⊖ WATER SUPPLY
  - ⊙ WATER DISPOSAL



PREPARED BY: DIANA WHITNEY  
 DATE: 18-JUNE-2004

004



EnCana Oil & Gas (USA) Inc.

US Bank Tower  
950 17th Street  
Suite 2600  
Denver CO 80202

tel: (303) 623-2300  
fax: (303) 623-2400

www.encana.com

July 29, 2004

**QEP Uintah Basin, Inc.**  
Attn: Mr. Mr. Frank Nielsen  
1050 17<sup>th</sup> Street, Suite 500  
Denver, CO 80265

Re: Exception Location Submittal dated July 19, 2004  
**13mu-24-8-22 well, SWSW-Sec. 24-T8S-R22E**  
**14mu-24-8-22 well, SESW-Sec. 24-T8S-R22E**  
Uintah County, Utah

Dear Mr. Nielsen,

Please accept this letter as EnCana Oil & Gas (USA) Inc. consent, for the Wasatch and Mesaverde formations only, to the exception location as per your attached submittal dated July 19, 2004.

If you have any questions or comments regarding this consent, please feel free to call Bob Weaver at 720-956-3513.

Sincerely,

  
Douglas W. Jones  
Attorney-in-Fact

Attachments

RECEIVED  
SEP 17 2004  
DIV. OF OIL, GAS & MINING



SENT VIA FACSIMILE & REGULAR MAIL

July 19, 2004

Mr. Bob Weaver  
EnCana Oil and Gas, Inc.  
950 17<sup>th</sup> Street  
Ste 2600  
Denver, CO 80202

Questar Exploration and Production Company  
Independence Plaza  
1050 17th Street, Suite 500  
Denver, CO 80265  
Tel 303 672 6900 • Fax 303 793 9632

Denver Division

**RE: Exception Locations for Directional Drilling  
Uintah County, Utah**

Gentlemen:

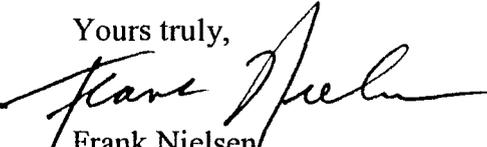
This is to request from EnCana its written consent for exception locations involving the directional wells shown on Attachments #1 hereto. These wells are within the White River Unit.

The surface locations and points along certain upper portions of these directional wells are within the 460 ft. radius adjoining leases where EnCana is an owner, as shown on Attachment 3 hereto. However, the objective formations and prospective producing formations (Wasatch and Mesaverde) are within existing legal locations. Due to this, drainage is unlikely to occur in the upper portions of the wells. As such, Questar respectfully requests that EnCana grant its consent for Questar to locate these wells at the proposed locations by executing a copy of this letter below and returning a copy to Questar.

Please note: As shown on Attachments 2&3, EnCana is a joint owner in Section 25: NE/4, 8S-22E. For your information, Questar will also drill other nearby directional wells inside the White River Unit as shown .

In the event we don't hear from EnCana by August 10<sup>th</sup>, 2004, QEP will have to pursue this matter at a State Board Hearing. If there are technical questions, please call JD Herman in our office.

Yours truly,

  
Frank Nielsen  
Regional Land Manager

RECEIVED

SEP 17 2004

DIV. OF OIL, GAS & MINING

Page 2

Consent to Questar's proposed well locations as stated herein

EnCana Oil and Gas, Inc.

By \_\_\_\_\_

Title \_\_\_\_\_

## Attachment #1

### Exception Locations for Directional Drilling

Directional Wells with surface location in SESW of Sec 24-8S-22E:

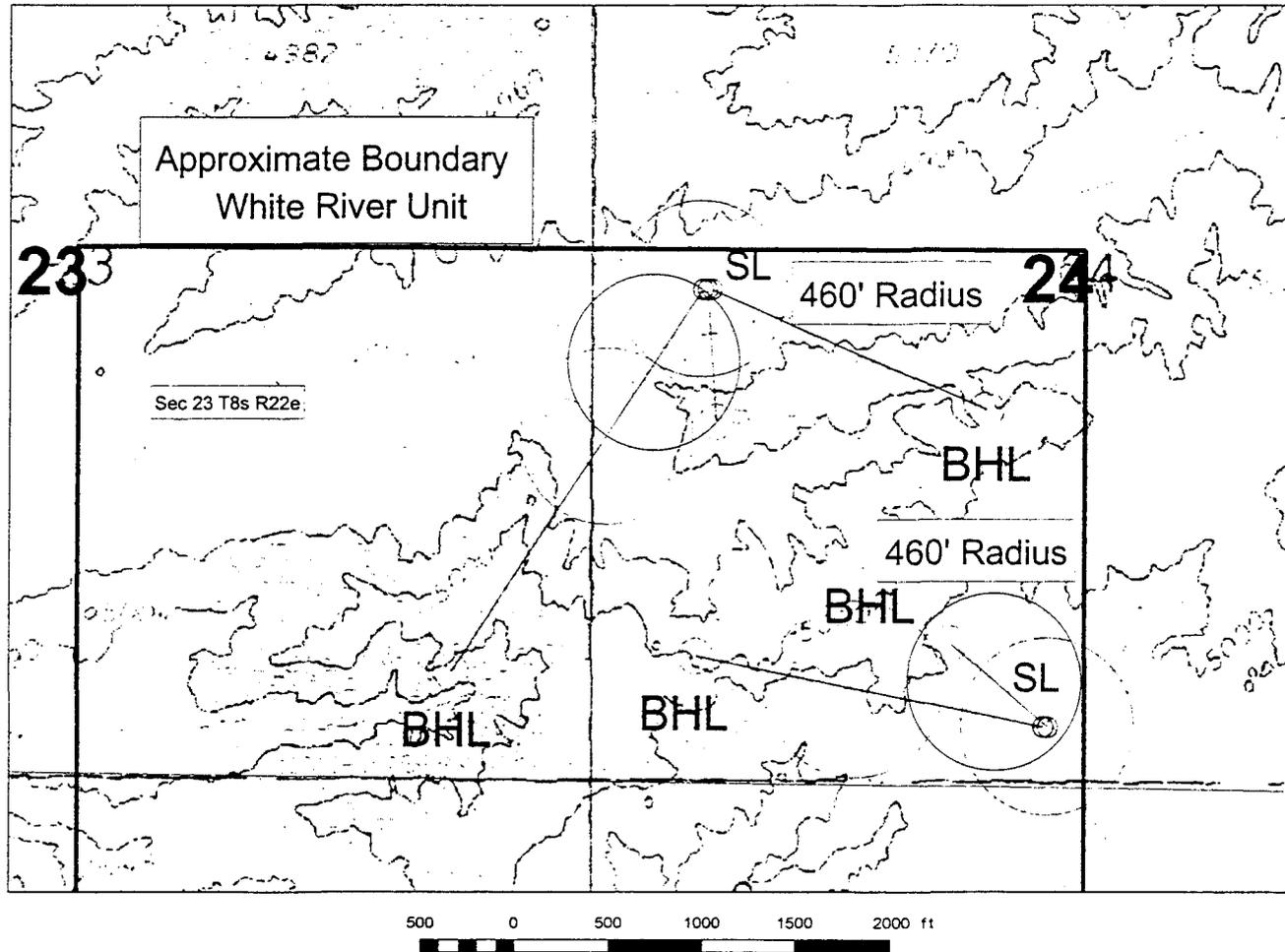
13MU-24-8-22, SWSW of Sec 24-8S-22E (BHL)

14MU-24-8-22, SESW of Sec 24-8S-22E (BHL)

#### DIRECTIONAL WELLS:

<u>Well Name</u>	<u>Proposed Total Depth</u>		<u>Objective Formation</u>
	<u>TD (TVD)</u>	<u>TD (MD)</u>	
13mu-24-8-22	8700'	9050.2'	Wasatch/Upper Mesaverde
14mu-24-8-22	8700'	8733.5'	Wasatch/Upper Mesaverde

# Attachment #2



Attachment 3

U-65471

T. 8 S., R. 22., Uintah County, SLM, Utah  
Sec. 25 NE¼, E½SW¼;

TOTAL ACRES: 240,000

LEASE DATE/EXPIRATION DATE: 3-1-1951/HBP (U-0629)

LESSEE:

QEP Uintah Basin, Inc. Rocky Mountain Region Independence Plaza 1050 – 17 <sup>th</sup> Street, Suite 500 Denver, Colorado 80265	100 %
--	-------

OPERATING RIGHTS:

All Lands; All Depths;

QEP Uinta Basin, Inc. Rocky Mountain Region Independence Plaza 1050 – 17 <sup>th</sup> Street, Suite 500 Denver, Colorado 80265	50%
---	-----

EnCana Oil & Gas (USA) Inc. 950 – 17 <sup>th</sup> Street, Suite 2600 Denver, Colorado 80202	50%
--	-----

005

QEP UINTA BASIN, INC.  
 WRU EIH 13MU-24-8-22  
 299'FSL 2410'FWL BOTTOM HOLE 660'FSL 660'FWL  
 SE&W, SECTION 24, T8S, R22E,  
 UINTAH COUNTY, UTAH  
 LEASE# UTU-43917

**ONSHORE ORDER NO. 1**

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

An onsite inspection was conducted for the WRU EIH 13MU-24-8-22 on June 8, 2004. Weather conditions were sunny and clear at the time of the onsite. In attendance at the inspection were the following individuals:

Paul Buhler	Bureau of Land Management
Dixie Saddleir	Bureau of Land Management
Jan Nelson	QEP Uinta Basin, Inc.

**1. Existing Roads:**

The proposed well site is approximately 32 miles South West of Vernal, Utah.

Refer to Topo Maps A and B for location of access roads within a 2 - mile radius.

There will be no improvements made to existing access roads.

**2. Planned Access Roads:**

Please see QEP Uinta Basin Inc. Standard Operating Practices for Mesa Verde Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and undesignated fields in Townships 07 and 08 South, Ranges 21 to 24 East.

Refer to Topo Map B for the location of the proposed access road.

The proposed access road will follow the approved ROW for the WRU EIH 14MU-24-8-22.

**3. Location of Existing Wells Within a 1 - Mile Radius:**

Please refer to Topo Map C.

**4. Location of Existing & Proposed Facilities:**

Please see QEP Uinta Basin Inc. Standard Operating Practices for Mesa Verde Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and undesignated fields in Townships 07 and 08 South, Ranges 21 to 24 East.

Refer to Topo Map D for the location of the proposed pipeline.

The portion of the pipeline will follow the existing pipeline ROW for the WRU EIH 14MU-24-8-22

**5. Location and Type of Water Supply:**

Please see QEP Uinta Basin Inc. Standard Operating Practices for Mesa Verde Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and undesignated fields in Townships 07 and 08 South, Ranges 21 to 24 East.

**6. Source of Construction Materials:**

Please see QEP Uinta Basin Inc. Standard Operating Practices for Mesa Verde Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and undesignated fields in Townships 07 and 08 South, Ranges 21 to 24 East.

**7. Methods of Handling Waste Materials:**

Please see QEP Uinta Basin Inc. Standard Operating Practices for Mesa Verde Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and undesignated fields in Townships 07 and 08 South, Ranges 21 to 24 East.

**8. Ancillary Facilities:**

Please see QEP Uinta Basin Inc. Standard Operating Practices for Mesa Verde Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and undesignated fields in Townships 07 and 08 South, Ranges 21 to 24 East.

**9. Well Site Layout: (See Location Layout Diagram)**

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

Location size for WRU EIH 14MU-24-8-22 has changed from 350' x 198' to 370' x 198'. Reserve pit changed from 150' x 70' to 170' x 90' to accommodate two wells on same pad.

A pit liner is required felt if rock encountered.

**10. Plans for Reclamation of the Surface:**

Please see QEP Uinta Basin Inc. Standard Operating Practices for Mesa Verde Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and undesignated fields in Townships 07 and 08 South, Ranges 21 to 24 East.

Reclamation will be according to the stipulations on the WRU EIH 14MU-24-8-22.

**Seed Mix # 5**

Gardner Saltbush	4lbs/acre
Shadscale	4lbs/acre
Hycrest Crested Wheat	4lbs/acre

**11. Surface Ownership:**

The well pad and access road are located on lands owned by:

Bureau of Land Management  
170 South 500 East  
Vernal, Utah 84078  
(435) 781-4400

**12. Other Information**

A Class III archaeological survey was conducted by Montgomery Archaeology Consultants. A copy of this report was submitted directly to the appropriate agencies by Montgomery Archaeology Consultants. Cultural resource clearance was recommended for this location.

There is a Burrowing Owl Stipulation from April 1st through August 15th. No construction or drilling will commence during this period unless otherwise determined by a wildlife biologist that the site is inactive.

Critical soil no drilling or construction during wet periods.

Construct reservoir at top of drainage near reserve pit use culvert for spill way.

**Lessee's or Operator's Representative:**

John Busch  
Red Wash Operations Rep.  
QEP Uinta Basin 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.

QEP Uinta Basin, 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 QEP Uinta Basin, Inc. its' contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

  
\_\_\_\_\_  
John Busch  
Red Wash Operations Representative

09-Jun-04  
\_\_\_\_\_  
Date

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**Additional Operator Remarks**

QEP, Uinta Basin Inc. proposes to directional drill this well to 9050' to test the MesaVerde. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirements

See attached drilling program.

See multi point surface use program.

Please be advised that QEP, Uinta Basin Inc. agrees to be responsible under the terms and conditions of the lease for the operations conducted upon the lease lands.

Bond coverage for this well is provided by Bond No.ESB000024. The principal is QEP, Uinta Basin Inc. via surety as consent as provided for the 43 CFR 3104.2.

Qep Uinta Basin, Inc.  
WRU EIH 13MU-24-8-22

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:

<i>Formation</i>	<i>TVD</i>	<i>MD Depth</i>
Uinta	Surface	Surface
Wasatch	5540'	5888'
Mesa Verde	8005'	8355'
TD	8700'	9050'

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:

<i>Substance</i>	<i>Formation</i>	<i>TVD</i>	<i>MD</i>
Oil/Gas	Mese Verde	8700	9050

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

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

3. Anticipated Bottom Hole Pressures

Maximum anticipated bottom hole pressure equals approximately 3925.0 psi.

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WRU EIH PAD SE/4 SW/4  
 Uintah County Utah  
 Sec 24 T8S R22E

Site Centre Latitude: 40°06'06.573N  
 Longitude: 109°23'23.899W



Azimuths to True North  
 Magnetic North: 12.23°

Magnetic Field  
 Strength: 5328nT  
 Dip Angle: 66.22°  
 Date: 3/13/2004  
 Model: igr2000

WELL DETAILS

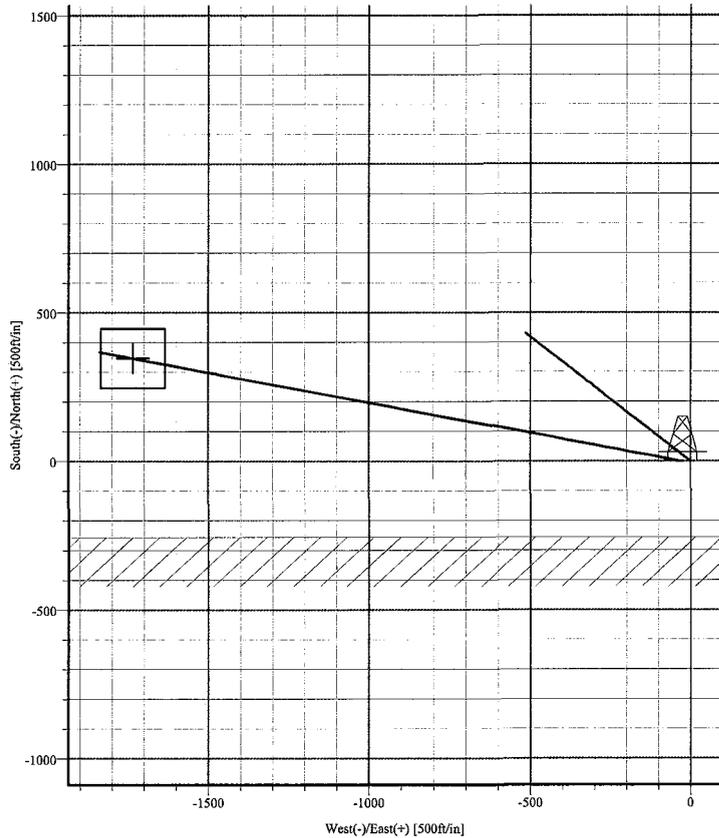
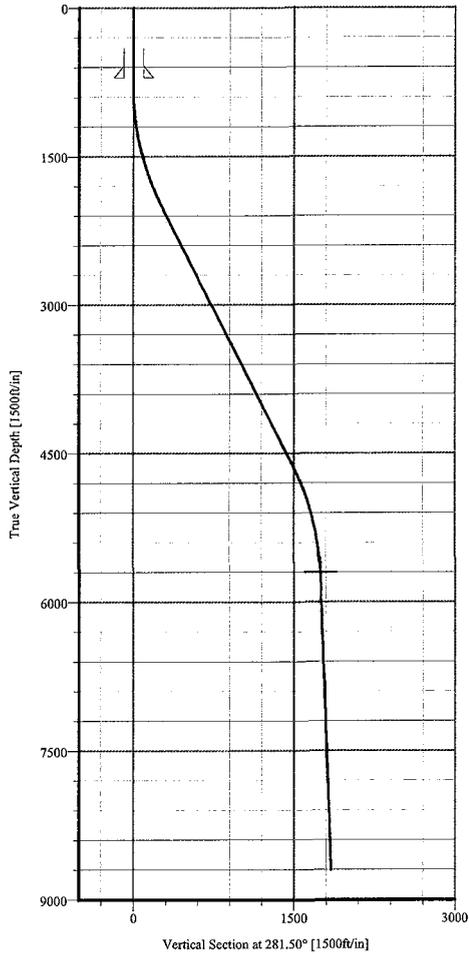
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
WRU 13MU-24-8-22	0.0	-25.0	3203658.28	2230703.02	40°06'06.573N	109°23'24.220W	N/A

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	281.50	0.0	0.0	-25.0	0.00	0.00	0.0	
2	800.0	0.00	281.50	800.0	0.0	-25.0	0.00	0.00	0.0	
3	2056.9	25.14	281.50	2017.0	54.1	-290.9	2.00	281.50	271.3	
4	4891.4	25.14	281.50	4583.0	294.2	-1470.8	0.00	0.00	1475.5	
5	6048.3	2.00	281.50	5700.0	348.0	-1735.0	2.00	180.00	1745.1	660 FS & 660 FW
6	9050.2	2.00	281.50	8700.0	368.9	-1837.7	0.00	0.00	1849.8	

CASING DETAILS

No.	TVD	MD	Name	Size
1	700.0	700.0	9 5/8"	9.625



Plan: 13MU-24-8-22 (WRU 13MU-24-8-22/13MU-24-8-22)  
 Created By: Steve Schmitz, P.E. Date: 3/14/2004  
 Checked: \_\_\_\_\_ Date: \_\_\_\_\_

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**Company:** Questar E & P **Date:** 3/14/2004 **Time:** 08:04:21 **Page:** 1  
**Field:** Uintah Basin **Co-ordinate(NE) Reference:** Site: WRU EIH PAD SE/4 SW/4, True North  
**Site:** WRU EIH PAD SE/4 SW/4 **Vertical (TVD) Reference:** SITE 0.0  
**Well:** WRU 13MU-24-8-22 **Section (VS) Reference:** Well (0.00N,-25.00E,281.50Azi)  
**Wellpath:** 13MU-24-8-22 **Plan:** 13MU-24-8-22

**Field:** Uintah Basin  
Utah

**Map System:** US State Plane Coordinate System 1983  
**Geo Datum:** GRS 1980  
**Sys Datum:** Mean Sea Level

**Map Zone:** Utah, Northern Zone  
**Coordinate System:** Site Centre  
**Geomagnetic Model:** igrf2000

**Site:** WRU EIH PAD SE/4 SW/4  
 Uintah County Utah  
 Sec 24 T8S R22E

**Site Position:** **From:** Geographic **Northing:** 3203658.89 ft **Latitude:** 40 6 6.573 N  
**Eastng:** 2230728.02 ft **Longitude:** 109 23 23.899 W  
**Position Uncertainty:** 0.0 ft **North Reference:** True  
**Ground Level:** 0.0 ft **Grid Convergence:** 1.39 deg

**Well:** WRU 13MU-24-8-22  
 310 FS & 2420 FW

**Slot Name:**  
**Well Position:** **+N/-S** 0.0 ft **Northing:** 3203658.28 ft **Latitude:** 40 6 6.573 N  
**+E/-W** -25.0 ft **Eastng :** 2230703.02 ft **Longitude:** 109 23 24.220 W

**Position Uncertainty:** 0.0 ft

**Wellpath:** 13MU-24-8-22

**Drilled From:** Surface  
**Tie-on Depth:** 0.0 ft  
**Above System Datum:** Mean Sea Level  
**Declination:** 12.23 deg  
**Mag Dip Angle:** 66.22 deg

**Current Datum:** SITE **Height** 0.0 ft  
**Magnetic Data:** 3/13/2004  
**Field Strength:** 53286 nT  
**Vertical Section:** **Depth From (TVD)** **+N/-S**  
 ft ft  
 0.0 0.0 -25.0 281.50

**Plan:** 13MU-24-8-22

**Date Composed:** 3/13/2004  
**Version:** 1  
**Tied-to:** From Surface

**Principal:** Yes

### Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.0	0.00	281.50	0.0	0.0	-25.0	0.00	0.00	0.00	0.00	
800.0	0.00	281.50	800.0	0.0	-25.0	0.00	0.00	0.00	0.00	
2056.9	25.14	281.50	2017.0	54.1	-290.9	2.00	2.00	0.00	281.50	
4891.4	25.14	281.50	4583.0	294.2	-1470.8	0.00	0.00	0.00	0.00	
6048.3	2.00	281.50	5700.0	348.0	-1735.0	2.00	-2.00	0.00	180.00	660 FS & 660 FW
9050.2	2.00	281.50	8700.0	368.9	-1837.7	0.00	0.00	0.00	0.00	

### Section 1 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
0.0	0.00	281.50	0.0	0.0	-25.0	0.0	0.00	0.00	0.00	0.00
100.0	0.00	281.50	100.0	0.0	-25.0	0.0	0.00	0.00	0.00	281.50
200.0	0.00	281.50	200.0	0.0	-25.0	0.0	0.00	0.00	0.00	281.50
300.0	0.00	281.50	300.0	0.0	-25.0	0.0	0.00	0.00	0.00	281.50
400.0	0.00	281.50	400.0	0.0	-25.0	0.0	0.00	0.00	0.00	281.50
500.0	0.00	281.50	500.0	0.0	-25.0	0.0	0.00	0.00	0.00	281.50
600.0	0.00	281.50	600.0	0.0	-25.0	0.0	0.00	0.00	0.00	281.50
700.0	0.00	281.50	700.0	0.0	-25.0	0.0	0.00	0.00	0.00	281.50
800.0	0.00	281.50	800.0	0.0	-25.0	0.0	0.00	0.00	0.00	281.50

### Section 2 : Start Build 2.00

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
900.0	2.00	281.50	900.0	0.3	-26.7	1.7	2.00	2.00	0.00	0.00
1000.0	4.00	281.50	999.8	1.4	-31.8	7.0	2.00	2.00	0.00	0.00
1100.0	6.00	281.50	1099.5	3.1	-40.4	15.7	2.00	2.00	0.00	0.00
1200.0	8.00	281.50	1198.7	5.6	-52.3	27.9	2.00	2.00	0.00	0.00

## Planning Report

<b>Company:</b> Questar E & P <b>Field:</b> Uintah Basin <b>Site:</b> WRU EIH PAD SE/4 SW/4 <b>Well:</b> WRU 13MU-24-8-22 <b>Wellpath:</b> 13MU-24-8-22	<b>Date:</b> 3/14/2004 <b>Co-ordinate(NE) Reference:</b> Site: WRU EIH PAD SE/4 SW/4, True North <b>Vertical (TVD) Reference:</b> SITE 0.0 <b>Section (VS) Reference:</b> Well (0.00N,-25.00E,281.50Azi) <b>Plan:</b> 13MU-24-8-22	<b>Time:</b> 08:04:21 <b>Page:</b> 2
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### Section 2 : Start Build 2.00

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
1300.0	10.00	281.50	1297.5	8.7	-67.6	43.5	2.00	2.00	0.00	0.00
1400.0	12.00	281.50	1395.6	12.5	-86.3	62.6	2.00	2.00	0.00	0.00
1500.0	14.00	281.50	1493.1	17.0	-108.4	85.1	2.00	2.00	0.00	0.00
1600.0	16.00	281.50	1589.6	22.1	-133.7	111.0	2.00	2.00	0.00	0.00
1700.0	18.00	281.50	1685.3	28.0	-162.4	140.2	2.00	2.00	0.00	0.00
1800.0	20.00	281.50	1779.8	34.5	-194.3	172.8	2.00	2.00	0.00	0.00
1900.0	22.00	281.50	1873.2	41.6	-229.4	208.6	2.00	2.00	0.00	0.00
2000.0	24.00	281.50	1965.2	49.4	-267.7	247.7	2.00	2.00	0.00	0.00
2056.9	25.14	281.50	2017.0	54.1	-290.9	271.3	2.00	2.00	0.00	0.00

### Section 3 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
2100.0	25.14	281.50	2056.0	57.8	-308.8	289.6	0.00	0.00	0.00	0.00
2200.0	25.14	281.50	2146.5	66.2	-350.5	332.1	0.00	0.00	0.00	0.00
2300.0	25.14	281.50	2237.0	74.7	-392.1	374.6	0.00	0.00	0.00	0.00
2400.0	25.14	281.50	2327.6	83.2	-433.7	417.1	0.00	0.00	0.00	0.00
2500.0	25.14	281.50	2418.1	91.6	-475.3	459.6	0.00	0.00	0.00	0.00
2600.0	25.14	281.50	2508.6	100.1	-517.0	502.0	0.00	0.00	0.00	0.00
2700.0	25.14	281.50	2599.1	108.6	-558.6	544.5	0.00	0.00	0.00	0.00
2800.0	25.14	281.50	2689.7	117.1	-600.2	587.0	0.00	0.00	0.00	0.00
2900.0	25.14	281.50	2780.2	125.5	-641.8	629.5	0.00	0.00	0.00	0.00
3000.0	25.14	281.50	2870.7	134.0	-683.5	672.0	0.00	0.00	0.00	0.00
3100.0	25.14	281.50	2961.3	142.5	-725.1	714.4	0.00	0.00	0.00	0.00
3200.0	25.14	281.50	3051.8	150.9	-766.7	756.9	0.00	0.00	0.00	0.00
3300.0	25.14	281.50	3142.3	159.4	-808.4	799.4	0.00	0.00	0.00	0.00
3400.0	25.14	281.50	3232.8	167.9	-850.0	841.9	0.00	0.00	0.00	0.00
3500.0	25.14	281.50	3323.4	176.4	-891.6	884.4	0.00	0.00	0.00	0.00
3600.0	25.14	281.50	3413.9	184.8	-933.2	926.9	0.00	0.00	0.00	0.00
3700.0	25.14	281.50	3504.4	193.3	-974.9	969.3	0.00	0.00	0.00	0.00
3800.0	25.14	281.50	3595.0	201.8	-1016.5	1011.8	0.00	0.00	0.00	0.00
3900.0	25.14	281.50	3685.5	210.2	-1058.1	1054.3	0.00	0.00	0.00	0.00
4000.0	25.14	281.50	3776.0	218.7	-1099.7	1096.8	0.00	0.00	0.00	0.00
4100.0	25.14	281.50	3866.5	227.2	-1141.4	1139.3	0.00	0.00	0.00	0.00
4200.0	25.14	281.50	3957.1	235.7	-1183.0	1181.7	0.00	0.00	0.00	0.00
4300.0	25.14	281.50	4047.6	244.1	-1224.6	1224.2	0.00	0.00	0.00	0.00
4400.0	25.14	281.50	4138.1	252.6	-1266.3	1266.7	0.00	0.00	0.00	0.00
4500.0	25.14	281.50	4228.7	261.1	-1307.9	1309.2	0.00	0.00	0.00	0.00
4600.0	25.14	281.50	4319.2	269.6	-1349.5	1351.7	0.00	0.00	0.00	0.00
4700.0	25.14	281.50	4409.7	278.0	-1391.1	1394.1	0.00	0.00	0.00	0.00
4800.0	25.14	281.50	4500.2	286.5	-1432.8	1436.6	0.00	0.00	0.00	0.00
4891.4	25.14	281.50	4583.0	294.2	-1470.8	1475.5	0.00	0.00	0.00	0.00

### Section 4 : Start Drop -2.00

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
4900.0	24.97	281.50	4590.8	295.0	-1474.4	1479.1	2.00	-2.00	0.00	180.00
5000.0	22.97	281.50	4682.2	303.1	-1514.2	1519.7	2.00	-2.00	0.00	180.00
5100.0	20.97	281.50	4774.9	310.5	-1550.8	1557.1	2.00	-2.00	0.00	180.00
5200.0	18.97	281.50	4868.9	317.3	-1584.3	1591.3	2.00	-2.00	0.00	180.00
5300.0	16.97	281.50	4964.0	323.5	-1614.5	1622.1	2.00	-2.00	0.00	180.00
5400.0	14.97	281.50	5060.1	329.0	-1641.5	1649.6	2.00	-2.00	0.00	180.00
5500.0	12.97	281.50	5157.2	333.8	-1665.1	1673.7	2.00	-2.00	0.00	180.00
5600.0	10.97	281.50	5255.0	337.9	-1685.4	1694.5	2.00	-2.00	0.00	180.00
5700.0	8.97	281.50	5353.5	341.4	-1702.4	1711.8	2.00	-2.00	0.00	180.00
5800.0	6.97	281.50	5452.5	344.1	-1716.0	1725.6	2.00	-2.00	0.00	180.00
5900.0	4.97	281.50	5552.0	346.2	-1726.2	1736.0	2.00	-2.00	0.00	180.00
6000.0	2.97	281.50	5651.7	347.6	-1732.9	1743.0	2.00	-2.00	0.00	180.00
6048.3	2.00	281.50	5700.0	348.0	-1735.0	1745.1	2.00	-2.00	0.00	180.00

<b>Company:</b> Questar E & P	<b>Date:</b> 3/14/2004	<b>Time:</b> 08:04:21	<b>Page:</b> 3
<b>Field:</b> Uintah Basin	<b>Co-ordinate(NE) Reference:</b> Site: WRU EIH PAD SE/4 SW/4, True North		
<b>Site:</b> WRU EIH PAD SE/4 SW/4	<b>Vertical (TVD) Reference:</b> SITE 0.0		
<b>Well:</b> WRU 13MU-24-8-22	<b>Section (VS) Reference:</b> Well (0.00N,-25.00E,281.50Azi)		
<b>Wellpath:</b> 13MU-24-8-22	<b>Plan:</b> 13MU-24-8-22		

**Section 5 : Start Hold**

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
6100.0	2.00	281.50	5751.6	348.4	-1736.8	1746.9	0.00	0.00	0.00	0.00
6200.0	2.00	281.50	5851.6	349.1	-1740.2	1750.3	0.00	0.00	0.00	0.00
6300.0	2.00	281.50	5951.5	349.8	-1743.6	1753.8	0.00	0.00	0.00	0.00
6400.0	2.00	281.50	6051.5	350.4	-1747.0	1757.3	0.00	0.00	0.00	0.00
6500.0	2.00	281.50	6151.4	351.1	-1750.4	1760.8	0.00	0.00	0.00	0.00
6600.0	2.00	281.50	6251.3	351.8	-1753.9	1764.3	0.00	0.00	0.00	0.00
6700.0	2.00	281.50	6351.3	352.5	-1757.3	1767.8	0.00	0.00	0.00	0.00
6800.0	2.00	281.50	6451.2	353.2	-1760.7	1771.3	0.00	0.00	0.00	0.00
6900.0	2.00	281.50	6551.1	353.9	-1764.1	1774.8	0.00	0.00	0.00	0.00
7000.0	2.00	281.50	6651.1	354.6	-1767.5	1778.3	0.00	0.00	0.00	0.00
7100.0	2.00	281.50	6751.0	355.3	-1771.0	1781.8	0.00	0.00	0.00	0.00
7200.0	2.00	281.50	6851.0	356.0	-1774.4	1785.2	0.00	0.00	0.00	0.00
7300.0	2.00	281.50	6950.9	356.7	-1777.8	1788.7	0.00	0.00	0.00	0.00
7400.0	2.00	281.50	7050.8	357.4	-1781.2	1792.2	0.00	0.00	0.00	0.00
7500.0	2.00	281.50	7150.8	358.1	-1784.6	1795.7	0.00	0.00	0.00	0.00
7600.0	2.00	281.50	7250.7	358.8	-1788.1	1799.2	0.00	0.00	0.00	0.00
7700.0	2.00	281.50	7350.7	359.5	-1791.5	1802.7	0.00	0.00	0.00	0.00
7800.0	2.00	281.50	7450.6	360.2	-1794.9	1806.2	0.00	0.00	0.00	0.00
7900.0	2.00	281.50	7550.5	360.9	-1798.3	1809.7	0.00	0.00	0.00	0.00
8000.0	2.00	281.50	7650.5	361.6	-1801.7	1813.2	0.00	0.00	0.00	0.00
8100.0	2.00	281.50	7750.4	362.3	-1805.2	1816.7	0.00	0.00	0.00	0.00
8200.0	2.00	281.50	7850.4	363.0	-1808.6	1820.1	0.00	0.00	0.00	0.00
8300.0	2.00	281.50	7950.3	363.7	-1812.0	1823.6	0.00	0.00	0.00	0.00
8400.0	2.00	281.50	8050.2	364.4	-1815.4	1827.1	0.00	0.00	0.00	0.00
8500.0	2.00	281.50	8150.2	365.1	-1818.8	1830.6	0.00	0.00	0.00	0.00
8600.0	2.00	281.50	8250.1	365.8	-1822.3	1834.1	0.00	0.00	0.00	0.00
8700.0	2.00	281.50	8350.1	366.5	-1825.7	1837.6	0.00	0.00	0.00	0.00
8800.0	2.00	281.50	8450.0	367.2	-1829.1	1841.1	0.00	0.00	0.00	0.00
8900.0	2.00	281.50	8549.9	367.8	-1832.5	1844.6	0.00	0.00	0.00	0.00
9000.0	2.00	281.50	8649.9	368.5	-1835.9	1848.1	0.00	0.00	0.00	0.00
9050.2	2.00	281.50	8700.0	368.9	-1837.7	1849.8	0.00	0.00	0.00	0.00

**Casing Points**

MD ft	TVD ft	Diameter in	Hole Size in	Name
700.0	700.0	9.625	12.250	9 5/8"

003

**QUESTAR**

Questar Exploration and Production Company

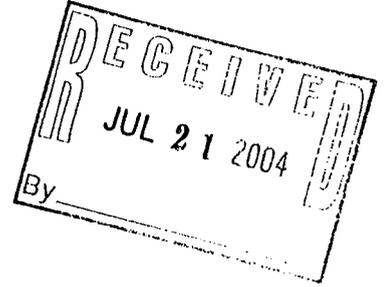
Independence Plaza  
1050 17th Street, Suite 500  
Denver, CO 80265  
Tel 303 672 6900 • Fax 303 294 9632

SENT VIA FACSIMILE & REGULAR MAIL

July 19, 2004

Denver Division

Mr. Bruce Johnston  
Westport Resources Corporation  
1670 Broadway, Ste 2800  
Denver, CO 80202



**RE: Exception Locations for Directional Drilling  
Uintah County, Utah**

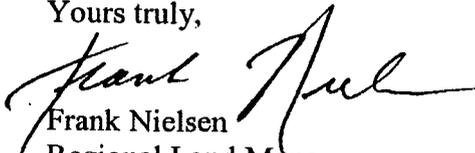
Gentlemen:

This is to request from Westport its written consent for exception locations involving the directional wells shown on Attachments #1 & 2 hereto. These wells are within the White River Unit and were recently proposed to Westport by Questar's letter of June 30, 2004.

The surface locations and points along certain upper portions of these directional wells are within the 460 ft. radius to adjoining leases where Westport is an owner, as shown on Attachment 3 hereto. However, the objective formations and prospective producing formations (Wasatch and Mesaverde) are within existing legal locations. Due to this, drainage is unlikely to occur in the upper portions of the wells. As such, Questar respectfully requests that Westport grant its consent for Questar to locate these wells at the proposed locations by executing a copy of this letter below and returning a copy to Questar.

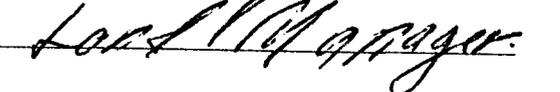
In the event we don't hear from Westport by August 10<sup>th</sup>, 2004, we will have to pursue this matter at a State Board Hearing. However, we propose to meet with you before that time and discuss the project with you. Should you have any technical questions, please call JD Herman in our office.

Yours truly,

  
Frank Nielsen  
Regional Land Manager

Consent to Questar's proposed well locations as stated herein

Westport Resources Corporation

By   
Title 

RECEIVED

SEP 17 2004

DIV. OF OIL, GAS & MINING

## Attachment #1

### Exception Locations for Directional Drilling

Directional Wells with surface location in NWSW of Sec 24-8S-22E:

11MU-24-8-22, NESW of Sec 24-8S-22E (BHL)

12MU-24-8-22, NWSW of Sec 24-8S-22E (BHL)

16MU-23-8-22, SESE of Sec 23-8S-22E (BHL)

Directional Wells with surface location in SESW of Sec 24-8S-22E:

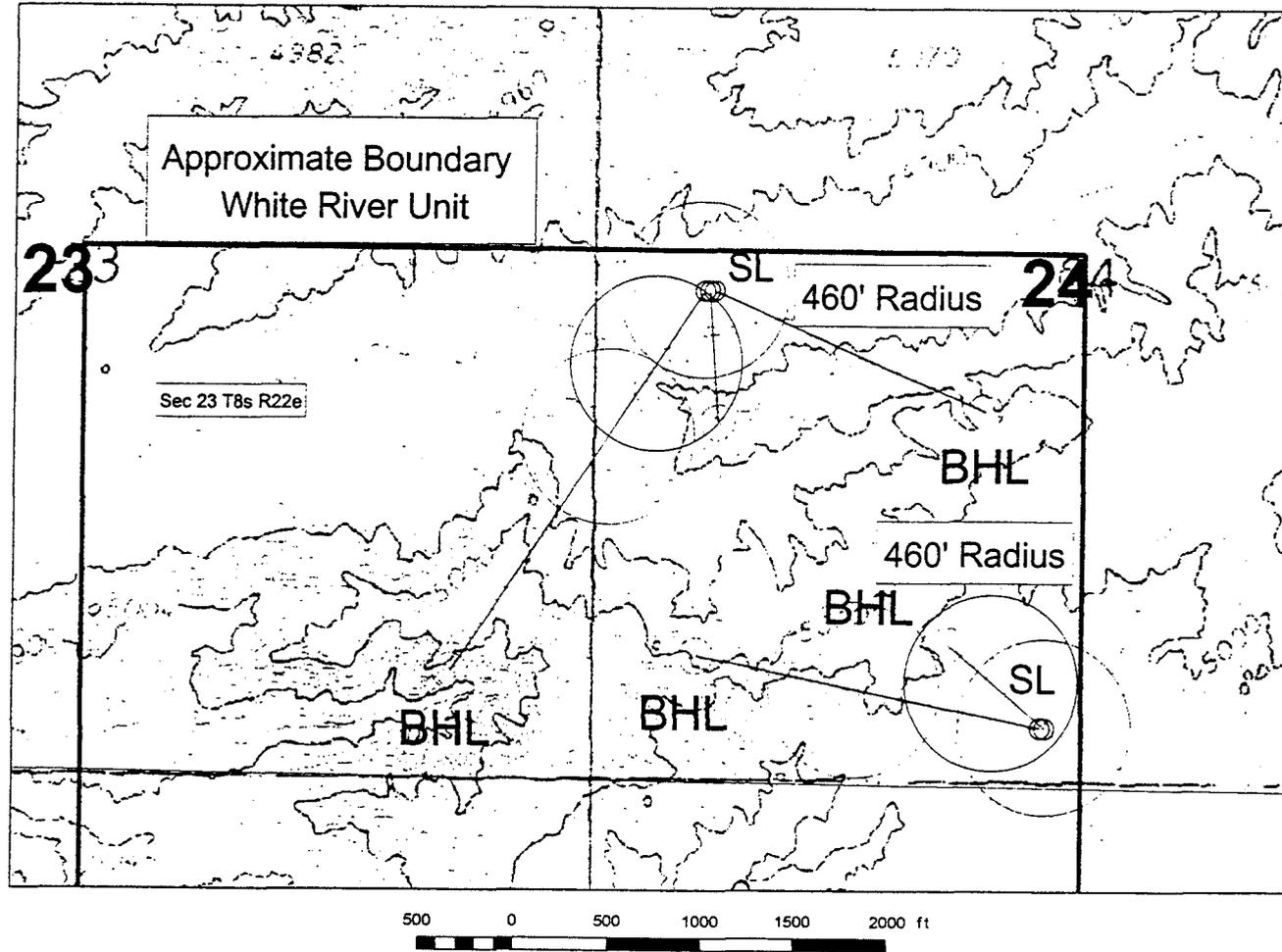
13MU-24-8-22, SWSW of Sec 24-8S-22E (BHL)

14MU-24-8-22, SESW of Sec 24-8S-22E (BHL)

#### DIRECTIONAL WELLS:

<u>Well Name</u>	<u>Proposed Total Depth</u>		<u>Objective Formation</u>
	<u>TD (TVD)</u>	<u>TD (MD)</u>	
11mu-24-8-22	8700'	8972.2'	Wasatch/Upper Mesaverde
12mu-24-8-22	8700'	8740.1'	Wasatch/Upper Mesaverde
16mu-23-8-22	8700'	9243.9'	Wasatch/Upper Mesaverde
13mu-24-8-22	8700'	9050.2'	Wasatch/Upper Mesaverde
14mu-24-8-22	8700'	8733.5'	Wasatch/Upper Mesaverde

# Attachment #2



July 15, 2004

U-0385

DESCRIPTION:

T. 8 S., R. 22 E. Uintah County, SLM, Utah  
Sec. 13: S½;  
Sec. 23: NE¼;  
Sec. 24: N½,SE¼;

T. 8 S., R. 23 E. Uintah County, SLM, Utah  
Sec. 18: Lots 3,4,E½SW¼,SE¼;

TOTAL ACRES: 1,273.53

LEASE DATE/EXPIRATION DATE: 7-1-1951/HBP (Kennedy Wash Unit)

LESSEE OF RECORD

Westport Oil & Gas Company, L.P.                      50%  
1670 Broadway, #2800  
Denver, CO 80202

EOG Resources, Inc.    50%  
P.O. Box 4362  
Houston, TX 77210

OPERATING RIGHTS:

T. 8 S., R. 22 E. Uintah County, SLM, Utah  
Sec. 13: S½;  
Sec. 24: N½,SE¼;  
T. 8 S., R. 23 E. Uintah County, SLM, Utah  
Sec. 18: Lots 3,4,E½SW¼,SE¼; All Depths:

Westport Oil & Gas Company, L.P.                      100%

T. 8 S., R. 22 E. Uintah County, SLM  
Sec. 23: NE¼; All Depths:

Westport Oil & Gas Company, L.P.                      50%  
EOG Resources, Inc.    50%

002



QEP U nta Basin, Inc.  
11002 East 17500 South  
Vernal, UT 84078  
Tel 435 781 4300 • Fax 435 781 4329

September 20, 2004

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

To Whom It May Concern:

QEP Uinta Basin, Inc., Well # <sup>West Point</sup> WRU EIH 16MU-23-8-22, WRU EIH 11MU-24-8-22 and <sup>West Point Encas</sup> WRU EIH 13MU-24-8-22 are and exception locations due to topography.

In reference to the State Oil and Gas Conservation rule R649-3-11, the lease owners within 460' of the proposed location have been contacted and approval given (see attachment). QEP Uinta Basin, Inc. will be the operator on all three wells.

If you have any question please contact Jan Nelson @ (435) 781-4331.

Thank you,

Jan Nelson

RECEIVED

SEP 20 2004

DIV. OF OIL, GAS & MINING



State of Utah

Department of  
Natural Resources

ROBERT L. MORGAN  
*Executive Director*

Division of  
Oil, Gas & Mining

LOWELL P. BRAXTON  
*Division Director*

OLENE S. WALKER  
*Governor*

GAYLE F. McKEACHNIE  
*Lieutenant Governor*

September 20, 2004

QEP Uinta Basin, Inc.  
11002 E 17500 S  
Vernal, UT 84078

Re: White River Unit East Iron Horse 13MU-24-8-22 Well, Surface Location 299' FSL, 2410' FWL, SE SW, Sec. 24, T. 8 South, R. 22 East, Bottom Location 660' FSL, 660' FWL, SW SW, Sec. 24, 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.

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 43-047-35793.

Sincerely,

John R. Baza  
Associate Director

pab

Enclosures

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

Operator: QEP Uinta Basin, Inc.  
Well Name & Number White River Unit East Iron Horse 13MU-24-8-22  
API Number: 43-047-35793  
Lease: UTU-43917

Surface Location: SE SW      Sec. 24      T. 8 South      R. 22 East  
Bottom Location: SW SW      Sec. 24      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

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Page 2

API #43-047-35793

September 20, 2004

6. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0136  
Expires November 30, 2000

**011**

**APPLICATION FOR PERMIT TO DRILL OR REENTER**

5. Lease Serial No.  
UTU43917

6. If Indian, Allottee or Tribe Name

1a. Type of Work:  DRILL  REENTER

**CONFIDENTIAL**

7. If Unit or CA Agreement, Name and No.  
UTU63021X

1b. Type of Well:  Oil Well  Gas Well  Other  Single Zone  Multiple Zone

8. Lease Name and Well No.  
WRU EIH 13MU-24-8-22

2. Name of Operator  
QEP UINTA BASIN INC  
Contact: JOHN BUSCH  
E-Mail: john.busch@questar.com

9. API Well No.  
**43-047-35793**

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

3b. Phone No. (include area code)  
Ph: 435.781.4341  
Fx: 435.781.4323

10. Field and Pool, or Exploratory  
NATURAL BUTTES

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)  
At surface SESW 299FSL 2410FWL 40.10182 N Lat, 109.38924 W Lon  
At proposed prod. zone SWSW 660FSL 660FWL

11. Sec., T., R., M., or Blk. and Survey or Area  
Sec 24 T8S R22E Mer SLB  
SME: BLM

14. Distance in miles and direction from nearest town or post office\*  
32 +/- SOUTH WEST FROM VERNAL, UT

12. County or Parish  
UINTAH

13. State  
UT

15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)  
229' +/-

16. No. of Acres in Lease  
480.00

17. Spacing Unit dedicated to this well  
40.00

18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.  
1500' +/-

19. Proposed Depth  
9050 MD  
8700 TVD

20. BLM/BIA Bond No. on file

21. Elevations (Show whether DF, KB, RT, GL, etc.)  
4923 GL

22. Approximate date work will start

23. Estimated duration  
10 DAYS

**24. Attachments**

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>1. Well plat certified by a registered surveyor.</li> <li>2. A Drilling Plan.</li> <li>3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).</li> </ul> | <ul style="list-style-type: none"> <li>4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).</li> <li>5. Operator certification</li> <li>6. Such other site specific information and/or plans as may be required by the authorized officer.</li> </ul> |
|--|--|

25. Signature (Electronic Submission)	Name (Printed/Typed) JOHN BUSCH	Date 06/14/2004
--	------------------------------------	--------------------

Title  
OPERATIONS

Approved by (Signature) (Electronic Submission)	Name (Printed/Typed) HOWARD B CLEAVINGER II	Date 10/21/2004
--	--	--------------------

Title AFM FOR MINERAL RESOURCES	Office Vernal
------------------------------------	------------------

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

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.

**Additional Operator Remarks (see next page)**

**Electronic Submission #31804 verified by the BLM Well Information System  
For QEP UINTA BASIN INC, sent to the Vernal  
Committed to AFMS for processing by LESLIE WALKER on 06/17/2004 (04LW3924AE)**

**Revisions to Operator-Submitted EC Data for APD #31804**

**Operator Submitted**

Lease: UTU-43917  
Agreement: WHITE RIVER  
Operator: QEP UINTA BASIN, INC.  
11002 E. 17500 S.  
VERNAL, UT 84078  
Ph: 435.781.4341  
Fx: 435.781.4323

Admin Contact: JOHN BUSCH  
OPERATIONS  
11002 E. 17500 S.  
VERNAL, UT 84078  
Ph: 435.781.4341  
Fx: 435.781.4323  
E-Mail: john.busch@questar.com

Tech Contact:

Well Name: WRU EIH  
Number: 13MU-24-8-22  
Location:  
State: UT  
County: UINTAH  
S/T/R: Sec 24 T8S R24E Mer SLB  
Surf Loc: SESW 229FSL 2410FWL 40.10182 N Lat, 109.38924 W Lon

Field/Pool: NATURAL BUTTES

Bond: ESB000024

**BLM Revised (AFMSS)**

UTU43917  
UTU63021X  
QEP UINTA BASIN INC  
11002 EAST 17500 SOUTH  
VERNAL, UT 84078  
Ph: 435.781.4300

JOHN BUSCH  
OPERATIONS  
11002 EAST 17500 SOUTH  
VERNAL, UT 84078  
Ph: 435.781.4341  
Fx: 435.781.4323  
E-Mail: john.busch@questar.com

WRU EIH  
13MU-24-8-22

UT  
UINTAH  
Sec 24 T8S R22E Mer SLB  
SESW 299FSL 2410FWL 40.10182 N Lat, 109.38924 W Lon

NATURAL BUTTES

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Shenandoah Energy Inc.  
Well Name & Number: WRU EIH 13MU-24-8-22  
API Number: 43-047-35793  
Lease Number: U-43917  
Location: SWSW Sec. 24 T.8S R. 22E  
Agreement: White River Unit

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

**CONDITIONS OF APPROVAL**

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

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

Casing Program and Auxiliary Equipment

As a minimum requirement, the cement behind the production casing must extend 200' above the base of the Green River formation which has been identified at  $\pm 2437'$ .

Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

**Please submit an electronic copy of all logs run on this well in LAS format. This submission will supercede the requirement for submittal of paper logs to the BLM.**

Other Information

In the event after-hours approvals are necessary, you must contact one of the following individuals:

Ed Forsman (435) 828-7874  
Petroleum Engineer

Kirk Fleetwood (435) 828-7875  
Petroleum Engineer

BLM FAX Machine (435) 781-4410

CONDITIONS OF APPROVAL  
FOR THE SURFACE USE PROGRAM OF THE  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: QEP, Uinta Basin, Inc

API Number: 43-047-35793

Well Name & Number: 13MU-24-8-22

Lease number: U-43917

Location: SE SW Sec, 24, T.8S. R. 22E.

Surface Ownership: BLM

Date NOS Received: 12/15/03

Date APD Received: 6/14/04

Conditions for Approval are in the APD

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

012

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.  
**UTU-43917**

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

7. If Unit or CA, Agreement Designation  
**WHITE RIVER UNIT**

8. Well Name and No.  
**WRU EIH 13MU-24-8-22**

9. API Well No.  
**43-047-35793**

10. Field and Pool, or Exploratory Area  
**NATURAL BUTTES**

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

**SUBMIT IN TRIPLICATE**

1. Type of Well  
Oil  Gas   
Well  Well  Other

2. Name of Operator  
**QEP Uinta Basin Inc.**

3. Address and Telephone No.  
**11002 E. 17500 S. VERNAL, UT 84078-8526** **435-781-4331**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**Surface Location, SESW, 299' FSL 2410' FWL Section 24, T8S, R22E**  
**Bottom Hole Location, SWSW, 660' FSL 660' FWL Section 24, T8S, R22E**

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

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

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

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

**QEP Uinta Basin, Inc. proposes to directional drill this well to the Mesaverde formation. The proposed TD was 9050' MD, 8700' TVD, the new proposed TD will be 10400' TVD, 10750' MD. Please see attachments for BOP, casing and cementing changes.**

**QEP Uinta Basin, Inc. proposes to change the name of the WRU EIH 13MU-24-8-22 to WRU EIH 13ML-24-8-22.**

Federal Approval of this  
Action is Necessary

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 02-02-05  
By: [Signature]

RECEIVED  
FEB 01 2005

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct  
Signed **Jan Nelson** [Signature] Title **Regulatory Affairs Analyst** **1-31-05**

(This space for Federal or State office use)

Approved by: \_\_\_\_\_ Title **COPY SENT TO OPERATOR** Date **2-4-05**  
**LHO**

Conditions of approval, if any \_\_\_\_\_

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

\*See instruction on Reverse Side

CONFIDENTIAL

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:

<b>Formation</b>	<b>TVD Depth</b>	<b>MD Depth</b>
Uinta	Surface	Surface
Kickoff Point	900'	900'
Green River	2461'	2550'
Mahogany	3069'	3227'
Wasatch	5459'	5816'
Mesa Verde	7969'	8327'
Sego	10339'	10697'
TD	10400'	10750'

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:

<b>Substance</b>	<b>Formation</b>	<b>TVD</b>	<b>MD</b>
Oil/Gas	Mesa Verde	10400'	10750'

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.

DRILLING PROGRAM

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.

All waste water resulting from drilling operations will be disposed of at Red Wash Disposal Site located NESW Section 28, T7S, R22E.

3. Operator's Specification for Pressure Control Equipment:

- A. 5,000 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, or 70% of the burst 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 5M 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	700'	12 1/4"	9-5/8"	J-55	36 lb/ft (new) LT&C
Intermediate	4025'	8 3/4"	7"	J-55	26lb/ft (new) LT&C
Production	1150'	6 1/8"	4 1/2"	P-110	11.60lb/ft (new) T&C
Production	9600'	6 1/8"	4 -1/2"	M-80	11.60 lb/ft (new)LT&C
TD	10750'				

DRILLING PROGRAM

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  
If drilling with air the following will be used:
- 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.
- 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.

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.

DRILLING PROGRAM

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: Mesa Verde 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.

7. Cementing Program

<u>Casing</u>	<u>Volume</u>	<u>Type &amp; Additives</u>
Surface	365sx	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

Intermediate	Lead-442sx* Tail-49sx*	Lead/Tail oilfield type cement circulated in place . Tail slurry: Class “G” + gilsonite and additives as required, mixed to 14.8 ppg, yield = 1.34 cf/sx. Fill to 3263’ Top of Tail.
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Cement Characteristics:

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.

DRILLING PROGRAM

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Production	Lead-361sx* Tail-164sx*	Lead/Tail oilfield type cement circulated in place . Tail slurry: Class "G" + gilsonite and additives as required, mixed to 14.8 ppg, yield = 1.34 cf/sx. Fill to 5316' ( $\pm 500'$ above top of Wasatch).
------------	----------------------------	--

Cement Characteristics:

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.

8. Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards

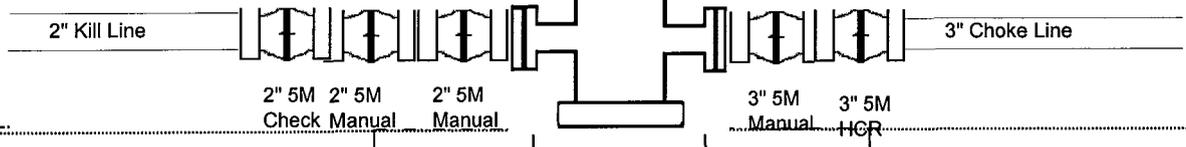
No abnormal temperatures or pressures are anticipated. No H<sub>2</sub>S has been encountered in or known to exist from previous wells drilled to similar depths in the general area. Maximum anticipated bottom hole pressure equals approximately 4510.0 psi. Maximum anticipated bottom hole temperature is 140° F.

13 5/8" Rotating Head

13 5/8" 5M Spacer Spool

13 5/8" 5M Annular

13 5/8" 5M Double Ram



13 5/8" 5M x 5M Multi-Bowl Head

13 3/8" 5M Casing Head

QEP / Wexpro

013

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well: Oil Well, Gas Well, Other Well. 2. Name of Operator: QEP, UINTA BASIN, INC. 3. Address and Telephone No. 11002 E. 17500 S. VERNAL, UT 84078-8526. Contact: dahn.caldwell@questar.com 435-781-4342 Fax 435-781-4357. 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SESW, 299' FSL, 2410' FWL Sec 24-T8S-R22E

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5. Lease Designation and Serial No. UTU-43917 6. If Indian, Allottee or Tribe Name N/A 7. If Unit or CA, Agreement Designation WHITE RIVER UNIT 8. Well Name and No. WRU EIH 13MU 24 8 22 9. API Well No. 43-047-35793 10. Field and Pool, or Exploratory Area NATURAL BUTTES 11. County or Parish, State UINTAH COUNTY, UTAH

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

Table with columns TYPE OF SUBMISSION and TYPE OF ACTION. Includes checkboxes for Notice of Intent, Subsequent Report, Final Abandonment Notice, Abandonment, Recompletion, Plugging Back, Casing Repair, Altering Casing, Other SPUD, Change of Plans, New Construction, Non-Routine Fracturing, Water Shut-Off, Conversion to Injection, Dispose Water.

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work) On 3/28/05 - Drilled 12-3/8" hole to 772'KB. Ran 17 jts 9-5/8", 36# csg. Set shoe @ 752' KB. Cmted w/ 350 sxs Premium Cmt.

RECEIVED APR 01 2005 DIV. OF OIL, GAS & MINING

3 - BLM, 2- Utah OG&M, 1 - Denver, 1 - file Word file-server

14. I hereby certify that the foregoing is true and correct. Signed: Dahn F. Caldwell Office Administrator II Date: 3/30/05

(This space for Federal or State office use) Approved by: Title: Date:

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

CONFIDENTIAL

014

ENTITY ACTION FORM

Operator: QEP Uinta Basin, Inc.  
Address: 11002 East 17500 South  
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
4304735793	WRU EIH 13MU 24-8-22		SESW	24	8	22	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	14644	3/28/2005		4/6/05		
Comments: <u>mVRD not in PA</u>							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:							RECEIVED APR 01 2005

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)

Signature

Office Administrator II

Title

DIV. OF OIL, GAS & MINING

3/30/2005

Date

CONFIDENTIAL

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WEEKLY OPERATIONS REPORT – May 26, 2005QEP  
UINTA BASINJOBS R22E S-24  
43-047-35793“Drilling Activity – Operated” 5-26-05

- Patterson #51 – WRU EIH 15ML-24-8-22 drilling at 7,465 feet. PTD 10,300 MD. Next well WRU EIH 16ML-23-8-22 directional pad well. PTD 10,769' MD.
- Patterson #52 – RW 12-35B (296) 5,958 feet drilling NE lateral, 91.3° inclination, 67.6° azimuth. Will drill two 2,100' laterals. 5-1/2" casing liner run across build section. Next well GHU 1G-17-8-21, grass roots horizontal.
- True #26 – WRU EIH 13ML-24-8-22 drilling/sliding at 2,115 feet. PBTD 10,754' MD. Next well WRU EIH 14ML-24-8-22. PTD 10,383' MD.
- Caza #57 – EIH 7MU-25-8-22 drilling at 6,000 feet. PTD 8,700'. Next well GB 7M-28-8-21, drill production hole. PBTD 12,850'.

“Completions & New Wells to Sales” 5-26-05:

**FR 9P-36-14-19:** (100% WI) Flow well (Dakota, Cedar Mtn., Morrison & Entrada) up backside to sales; DOFP was Sat. Feb. 12<sup>th</sup>; currently SI due to QPC line pressures and not being firm transportation; MI rig to drill out Wingate plug.

**GB 3M-27-8-21:** (77.5% WI) Mancos frac'd w/ 100 Mlbs. Econoprop @ 56 BPM & 8057 psi; Blackhawk frac'd w/ 300 Mlbs. Econoprop @ 59 BPM & 7208 psi; frac's went well; remaining MV stages (3 acid jobs & 2 fracs) went well next day; well went to sales Weds. May 25<sup>th</sup>; Currently flowing to sales @ 2.97 mmcfpd @ 2411 psi FTP and 3365 psi CP on a 17/64" ck. w/ 300 BW & 17 oil in first 16 hrs.

**SG 2MU-11-8-22:** (43.75% WI) Frac'd. Monday; swabbing well in today to go to sales.

**WRU EIH 14MU-35-8-22:** (43.75% WI) 3 frac stages pumped; will finish remaining 3 today; appears we got good data in the offset monitoring well.

*CONFIDENTIAL*

**WEEKLY OPERATIONS REPORT – June 2, 2005**

QEP

**UINTA BASIN**

*TOSS R 22E S-24*  
*43-047-35793*

**“Drilling Activity – Operated” 5-26-05**

- Patterson #51 – WRU EIH 15ML-24-8-22 drilling at 7,465 feet. PTD 10,300 MD. Next well WRU EIH 16ML-23-8-22 directional pad well. PTD 10,769' MD.
- Patterson #52 – RW 12-35B (296) 5,958 feet drilling NE lateral, 91.3° inclination, 67.6° azimuth. Will drill two 2,100' laterals. 5-1/2" casing liner run across build section. Next well GHU 1G-17-8-21, grass roots horizontal.
- True #26 – WRU EIH 13ML-24-8-22 drilling/sliding at 2,115 feet. PBTB 10,754' MD. Next well WRU EIH 14ML-24-8-22. PTD 10,383' MD.
- Caza #57 – EIH 7MU-25-8-22 drilling at 6,000 feet. PTD 8,700'. Next well GB 7M-28-8-21, drill production hole. PBTB 12,850'.

**“Completions & New Wells to Sales” 6-2-05:**

**FR 9P-36-14-19:** (100% WI) Flow well (Dakota, Cedar Mtn., Morrison & Entrada) up backside to sales; DOFP was Sat. Feb. 12<sup>th</sup>; currently SI due to rigwork; RIH w/ CTU Friday to circ. out ~25' fill above bit to try and est. circ. to drill out Wingate plug.

**GB 3M-27-8-21:** (77.5% WI) Well went to sales Weds. May 25<sup>th</sup>; tied into HP line on Tues. May 31<sup>st</sup>; currently flowing to sales @ 2.06 mmcfpd @ 468 psi FTP and 1122 psi CP thru 2 units w/ wide-open chokes; w/ 443 BWPD & 8 BOPD.

**EIH 2MU-25-8-22:** (100% WI) Fracs set for Friday.

**WRU EIH 14MU-35-8-22:** (43.75% WI) 6 frac stages pumped last week; flowed over weekend; MIRU Weds.; drilling plugs.

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**WEEKLY OPERATIONS REPORT – June 16, 2005**

QEP

**UINTA BASIN**TOBS R22E S-24  
43-047-35793**“Drilling Activity – Operated” 6-16-05**

- Patterson #51 – WRU EIH 16ML-23-8-22 drilling at 3,571 feet. PTD 10,769' MD. Next well SG 6ML-11-8-22. PTD 11,200' MD.
- Patterson #52 – GHU 1G-17-8-21 drilling at 910 feet. Grass roots G-1 Lime horizontal well. Kickoff point is 4949'. Next well WV 12G-10 horizontal.
- True #26 – WRU EIH 13ML-24-8-22 drilling at 10,205 feet. PBDT 10,754' MD. Next well WRU EIH 14ML-24-8-22. PTD 10,383' MD.
- Caza #57 – GB 7M-28-8-21 drilling at 11,552 feet. PTD 12,850'. Next well EIH 8MU-25-8-22. PBDT 8,700'.

**“Completions & New Wells to Sales” 6-16-05:**

**FR 9P-36-14-19:** (100% WI) Flowing well (Dakota, Cedar Mtn., Morrison, Entrada, & Wingate) up tbg to sales; RU CTU and drilled out final plug last Sat.; currently making 5.1 Mmcfpd @ 642 psi FTP & 1275 psi CP on a 23/64" & 25/64" choke w/ 93 BWPD & 8 BOPD.

**GB 3M-27-8-21:** (77.5% WI) Well went to sales Weds. May 25<sup>th</sup>; tied into HP line on Tues. May 31<sup>st</sup>; currently flowing to sales @ 1.22 mmcfpd @ 465 psi FTP and 1018 psi CP thru 2 units w/ wide-open chokes; w/ 240 BWPD & 20 BOPD.

**CWD 4ML-32-8-24:** (36.13% WI) 6 fracs pumped Tues./Weds.; well was flowing @ 825 psi FCP on a 24/64" w/ 30 BWPH; lubed in comp. BP and currently drilling plugs.

**EIH 1MU-25-8-22:** (100% WI) Frac'ing today w/ BJ.

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**WEEKLY OPERATIONS REPORT – June 23, 2005**

QEP

**UINTA BASIN**TOBS RARE SAY  
43-049-35793**“Drilling Activity – Operated” 6-16-05**

- Patterson #51 – WRU EIH 16ML-23-8-22 drilling at 3,571 feet. PTD 10,769' MD. Next well SG 6ML-11-8-22. PTD 11,200' MD.
- Patterson #52 – GHU 1G-17-8-21 drilling at 910 feet. Grass roots G-1 Lime horizontal well. Kickoff point is 4949'. Next well WV 12G-10 horizontal.
- True #26 – WRU EIH 13ML-24-8-22 drilling at 10,205 feet. PBTD 10,754' MD. Next well WRU EIH 14ML-24-8-22. PTD 10,383' MD.
- Caza #57 – GB 7M-28-8-21 drilling at 11,552 feet. PTD 12,850'. Next well EIHX 8MU-25-8-22. PBTD 8,700'.

**“Completions & New Wells to Sales” 6-16-05:**

**FR 9P-36-14-19:** (100% WI) Flowing well (Dakota, Cedar Mtn., Morrison, Entrada, & Wingate) up tbg to sales; RU CTU and drilled out final plug last Sat.; currently making 5.1 Mmcfpd @ 642 psi FTP & 1275 psi CP on a 23/64" & 25/64" choke w/ 93 BWPDP & 8 BOPD.

**GB 3M-27-8-21:** (77.5% WI) Well went to sales Weds. May 25<sup>th</sup>; tied into HP line on Tues. May 31<sup>st</sup>; currently flowing to sales @ 1.22 mmcfpd @ 465 psi FTP and 1018 psi CP thru 2 units w/ wide-open chokes; w/ 240 BWPDP & 20 BOPD.

**CWD 4ML-32-8-24:** (36.13% WI) 6 fracs pumped Tues./Weds.; well was flowing @ 825 psi FCP on a 24/64" w/ 30 BWPH; lubed in comp. BP and currently drilling plugs.

**EIHX 1MU-25-8-22:** (100% WI) Frac'ing today w/ BJ.

**WEEKLY OPERATIONS REPORT – August 11, 2005**

QEP

**UINTA BASIN**

TOBS RAE S-24  
43-047-35793

**“Drilling Activity – Operated” 8-11-05**

- Patterson #51 – WK 9MU-2-9-24 drilling at 6,541 feet. PBTB 7,000'. True Oil farmout well. Next the rig will be windowed out to Dominion for approximately 60 days.
- Patterson #52 – the rig has moved to the South Baxter Unit 27 in Sweetwater County, WY for Wexpro.
- Caza #57 – EIH 4MU-36-8-22 running casing at 8,300 feet TD. Next the rig will move to the Robbers Gulch #2 south of Wamsutter, WY. Location is being built.

**“Completions & New Wells to Sales” 8-11-05:**

**FR 9P-36-14-19:** (100% WI) Flowing well (Dakota, Cedar Mtn., Morrison, Entrada, & Wingate) to sales. Currently producing 3.23 mmcfpd w/ 416 psi FTP & 428 psi FCP; 25 BW & 10 BO.

**GB 5M-9-8-22:** (77.5% WI) Drilled out plugs; landed tbg.; kicked off flowing to sales 8-8-05; currently flowing @ 331 mcfpd @ 214 psi FTP, 1082 psi CP on a 24/64” ck. w/ 213 BWPD & 25 BOPD.

**GB 7M-28-8-21:** (77.5% WI) Frac'd first Mancos zone w/ slickwater & 60,000 lbs 30/50 Econoprop; Frac'd 2<sup>nd</sup> Mancos w/ slickwater & 33,000 lbs. 30/50 Econoprop; Blackhawk frac'd today w/ 300 Mlbs. 20/40 Econoprop; went to sales 8-9-05; currently flowing @ 3082 mcfpd @ 2431 psi FCP on a 10/64” ck. w/ 698 BWPD & 8 BOPD (over 6000 BLLTR).

**GH 1G-17-8-21 (Hz):** (100% WI) Started pumping unit 8-4-05; currently making 169 BOPD & 15 BWPD.

**WRU EIH 15ML-23-8-22:** Fracs (8 stages) pumped Aug. 5<sup>th</sup>, 6<sup>th</sup> & 7<sup>th</sup>; lubed in comp. BP Mon.; TIH and drilled plugs; landed tbg.; went to sales late on 8-11-05.

**WRU EIH 13ML-24-8-22:** Frac'ing; 6 stages done; will open to pit @ 4 p.m. on the 12<sup>th</sup>.

\*\*\* There is 1 well WOQGM ROW-P/L installation that needs to be completed.

**WEEKLY OPERATIONS REPORT – August 18, 2005**

QEP

**UINTA BASIN**

TOSS RARE S-24  
43-047-35994

**“Drilling Activity – Operated” 8-18-05**

- Patterson #51 – rig windowed out to Dominion for approximately 60-70 days.
- Caza #57 – rigging up on the Robbers Gulch #2 south of Wamsutter, WY.
- True 32 – WF 1P-1-15-19 drilling at 2,059 feet with aerated KCL water. PBTB 12,850'. Next well FR 1P-36-14-19. PBTB 13,000'.

**“Completions & New Wells to Sales” 8-18-05:**

**FR 9P-36-14-19:** (100% WI) Flowing well (Dakota, Cedar Mtn., Morrison, Entrada, & Wingate) to sales. Currently producing 2.565 mmcfpd w/ 822 psi FTP & 823 psi FCP; 33 BW & 6 BO. Curtailed due to QPC work.

**GB 7M-28-8-21:** (77.5% WI) Went to sales 8-9-05; currently flowing @ 2.783 mmcfpd @ 737 psi FCP on a 24/64” ck. w/ 375 BWPD & 3 BOPD (4313 BLLTR).

**WRU EIH 15ML-23-8-22:** (43.75% WI) Went to sales late on 8-11-05. Currently SI due to completion work on 16ML-23.

**WRU EIH 13ML-24-8-22:** (43.75% WI) Turn to sales late 8/18/05.

**WRU EIH 16ML-23-8-22:** (43.75% WI) Finish frac'ing 8/18/05

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

**SUBMIT IN TRIPLICATE**

1. Type of Well Oil <input type="checkbox"/> Gas <input type="checkbox"/> Well <input checked="" type="checkbox"/> Well <input type="checkbox"/> Other <input type="checkbox"/>		7. If Unit or CA, Agreement Designation <b>WHITE RIVER UNIT</b>
2. Name of Operator <b>QEP UINTA BASIN, INC.</b>		8. Well Name and No. <b>WRU EIH 13ML-24-8-22</b>
3. Address and Telephone No. <b>11002 E. 17500 S. VERNAL, UT 84078-8526</b>		9. API Well No. <b>43-047-35793</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>SURFACE Sec 24, T8S, R22E SESW - 299' FSL, 2410' FWL</b> <b>BOTTOMHOLE Sec 24, T8S, R22E SWSW - 681' FSL, 654' FWL</b>		10. Field and Pool, or Exploratory Area <b>NATURAL BUTTES</b>
		11. County or Parish, State <b>UINTAH COUNTY, UTAH</b>

**CONFIDENTIAL**

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

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

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

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

**"In compliance with the stated objectives of the Federal Regulations for Onshore Oil & Gas Operations and the applicable Federal Unit Agreement, Questar Exploration and Production Company hereby requests the commingling of production between intervals in the WRU EIH 13ML-24-8-22. Questar considers this commingling to be in the public interest in that it promotes maximum ultimate economic recovery, prevents waste, provides for orderly and efficient production of oil and gas and presents no detrimental effects from commingling the two gas streams. Questar requests approval for the commingling between the Mesa Verde and Wasatch intervals. The proposed method to determine the allocation of production between the intervals is described below:**

1 - Seven Wasatch zones located from 6388' to 8185' and eleven Mesa Verde zones located from 8314' to 10,678' will be placed on production for a minimum of 90 days to stabilize production. At that time a gas sample will be taken and analyzed to serve as a baseline. See attached perforation detail sheet.

2 - The initial allocation is being estimated from the net pay of the Mesa Verde and Wasatch formations. That allocation would be:

Mesa Verde Production: 51% - for 56' of net pay  
Wasatch Production: 49% - for 54' of net pay

3 - After the well is stabilized a production survey will be run across all of the zones to determine the allocation of produced gas from the Mesa Verde and the Wasatch.

4 - If the production survey demonstrates that the allocation rates are different by more than 2% from the estimated allocation, the OGOR Report will be amended to reflect those changes.

5 - On an annual basis the gas will be sampled and a determination will be made of the BTU content and gas constituents. These annual samples can be used to determine if the gas allocation is changing over time. If these samples do not indicate that any adjustments in allocation are necessary they may be discontinued after the fifth anniversary of the initial production.

3 - BLM, 2- Utah OG&M, 1 - Denver, 1 - file Word file-server

RECEIVED  
AUG 23 2005

COPIES TO OPERATOR  
9-15-05  
EHS

14. I hereby certify that the foregoing is true and correct.  
Signed Mike Stahl Title Engineer Date 8/19/05

(This space for Federal or State office use)  
Approved by: \_\_\_\_\_  
Conditions of approval, if any \_\_\_\_\_

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.  
Date 8/13/05  
By: [Signature]

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
Federal Approval of This  
Action Is Necessary  
Date \_\_\_\_\_

CONFIDENTIAL

AFFIDAVIT OF NOTICE

STATE OF COLORADO )  
COUNTY OF DENVER ) ss:

Angela Page, being duly sworn, deposes and says:

- 1. That I am employed by Questar Market Resources in the capacity as a Landman. My business address is Independence Plaza  
1050 17<sup>th</sup> Street, Suite 500  
Denver, CO 80265
- 2. In my capacity as a Landman, pursuant to the provisions of Utah Administrative Rule 615-3-22 I have provided a copy of Questar Market Resource's application for completion of the WRU EIH 13ML-24-8-22 well into two or more pools, in the form of Utah Division of Oil, Gas and Mining's Form 9 Sundry Notice, to owners of all contiguous oil and gas leases or drilling units overlying the pools which are the subject of that application.
- 3. In my capacity as a Landman I am authorized to provide such notice of Questar Market Resource's application to contiguous owners and to make this affidavit on this 8<sup>th</sup> day of August, 2005.

*Angela Page*  
Printed Name: Angela Page

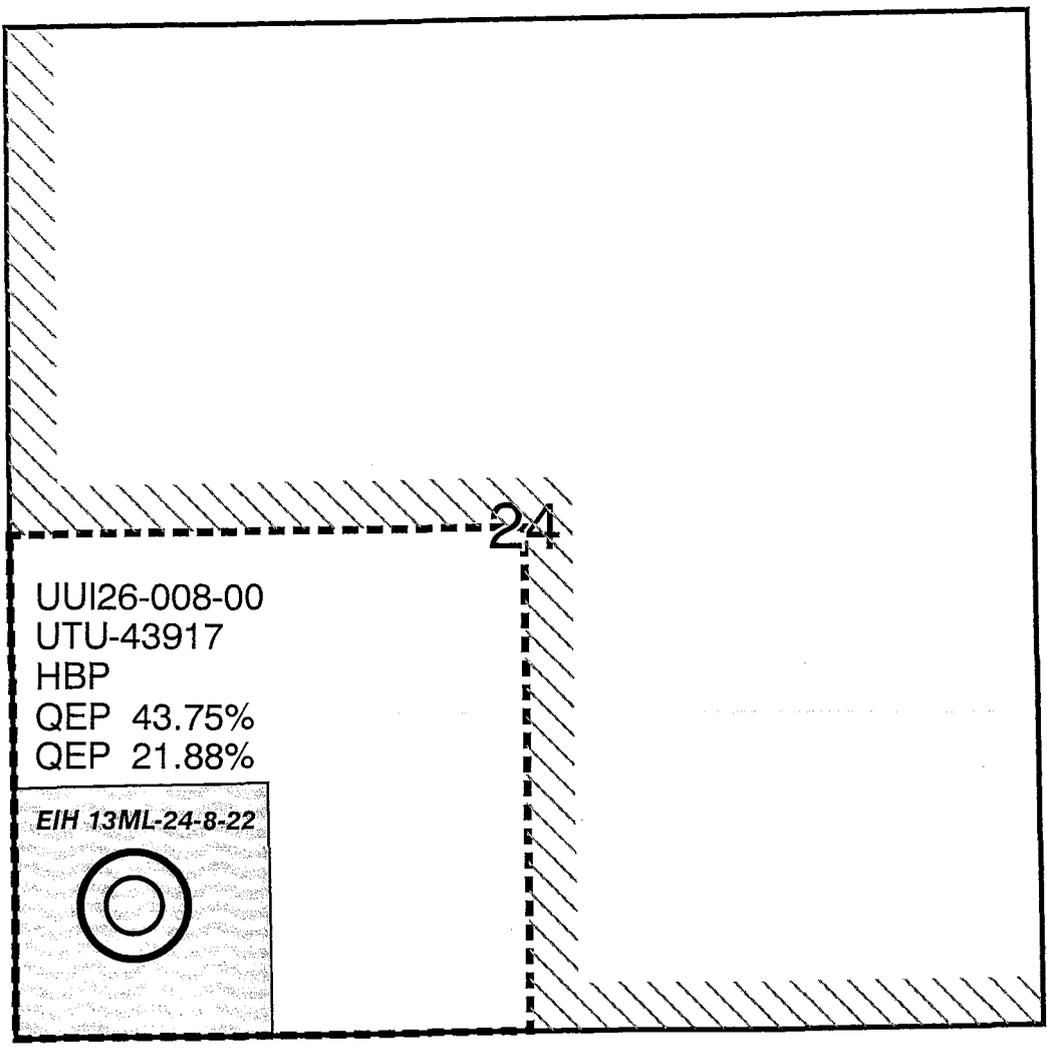
The foregoing instrument was sworn to and subscribed before me this 8<sup>th</sup> day of August, 2005, by Angela Page

*Heather Lang*  
Notary Public

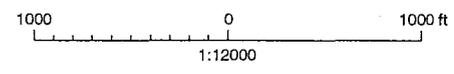
My Commission Expires 07/08/2008



CONFIDENTIAL



Sec 24, T8S-R22E



-  40-acre pool
-  Commingled well
-  Mulligan Unit boundary
-  Lease line

**Tw/Kmv**  
**COMMINGLED PRODUCTION**  
 Uinta Basin—Uintah County, Utah

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**Well: WRU EIHX 13ML-24-8-22**

**Lease: UTU-43917**

<b>QUESTAR</b> Exploration and Production	Geologist: JD Herman	Landman: Angela Page
	Engineer:	Technician:
	Date: August 5, 2005	05722\Maps\Utah maps\Comm 2005\24822.cdr

1050 17th St., # 500 Denver, CO 80265

**WEEKLY OPERATIONS REPORT – August 25, 2005**

QEP

**UINTA BASIN**

T08S R22E S24

43-040-35793

**“Drilling Activity – Operated” 8-25-05**

- True 32 – WF 1P-1-15-19 currently waiting on cement. Drilled to intermediate casing point, 4,425', logged, ran 9-5/8" casing and cemented. PBTD 12,850'. Next well FR 1P-36-14-19. PBTD 13,000'.

**“Completions & New Wells to Sales” 8-26-05:**

**FR 9P-36-14-19:** (100% WI) Flowing well (Dakota, Cedar Mtn., Morrison, Entrada, & Wingate) to sales. Currently producing 3.753 mmcfpd w/ 442 psi FTP & 458 psi FCP.

**GB 7M-28-8-21:** (77.5% WI) Went to sales 8-9-05; currently flowing @ 1.461 mmcfpd @ 599 psi FCP on a 24/64" ck. w/ 260 BWPD & 5 BOPD (1885 BLLTR).

**WRU EIH 16ML-23-8-22:** (43.75% WI) Went to sales 8-23-05. Currently flowing 553 mcfpd on 18/64" choke, 1464 psi FTP, 1908 psi CP, 12 BOPD, 174 BWPD, 3529 BLLTR.

**WRU EIH 13ML-24-8-22:** (43.75% WI) Turn to sales late 8/18/05. Currently 1057 mcfpd on 23/64" ck, 379 psi FTP, 700 psi CP, 28 BOPD, 130 BWPD, 3469 BLLTR.

**EIH X 8MU-25-8-22:** (100% WI) Turn to sales 8-26-05, 3065 BLLTR.

**EIH X 2MU-36-8-22:** (100% WI) Turn to sales 8-26-05, 1375 BLLTR.

3160-4  
(November 1983)  
(formerly 9-330)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE  
(See instructions on reverse side)

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

- 5. LEASE DESIGNATION AND SERIAL NO.  
**UTU-43917**
- 6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
**N/A**
- 7. UNIT AGREEMENT NAME  
**WHITE RIVER UNIT**
- 8. FARM OR LEASE NAME  
**N/A**
- 9. WELL NO.  
**WRU EIH 13ML 24 8 22**
- 10. FIELD AND POOL, OR WILDCAT  
**NATURAL BUTTES**
- 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
**SEC 24-T8S-R22E**

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 \_\_\_\_\_

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

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

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

At surface **SESW, SEC 24-T8S-R22E, 299' FSL, 2410' FWL**  
*681 FSL 654 FWL P8TD*

At top rod. interval reported below **SESW, SEC 24-T8S-R22E, 299' FSL, 2410' FWL**

At total depth **SESW, SEC 24-T8S-R22E, 299' FSL, 2410' FWL**  
*0683 FSL 0654 FWL*

14. PERMIT NO. **43-047-35793** DATE ISSUED \_\_\_\_\_

12. COUNTY OR PARISH **UINTAH** 13. STATE **UTAH**

15. DATE SPUNDED **3/28/2005** 16. DATE T.D. REACHED **6/18/2005** 17. DATE COMPL. (Ready to prod.) **8/18/2005** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* **KB** 19. ELEV. CASINGHEAD \_\_\_\_\_

20. TOTAL DEPTH, MD & TVD **MD 10,750' TVD 10,418'** 21. PLUG BACK T.D., MD & TVD **MD 10,705' TVD 10,323'** 22. IF MULTIPLE COMPL., HOW MANY\* **2** 23. INTERVALS DRILLED BY \_\_\_\_\_ ROTARY TOOLS \_\_\_\_\_ CABLE TOOLS \_\_\_\_\_

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
**See Attachment Page 1**

25. WAS DIRECTIONAL SURVEY MADE **YES - NO**

26. TYPE ELECTRIC AND OTHER LOGS RUN **GR/CBL, HRI, SPECTRAL DENSITY DSN**

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#	762'	12-1/4"	350 SXS	
7"	26#	4218'	8-3/4"	385 SXS	
4-1/2"	11.6#	10,750'	6-1/8"	1385 SXS	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	6868'	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	6868'	

31. PERFORATION RECORD (Interval, size and number)  
**See Attachment Page 1**

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.  
 DEPTH INTERVAL (MD) \_\_\_\_\_ AMOUNT AND KIND OF MATERIAL USED \_\_\_\_\_  
**See Attachment Page 1**

33.\* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
8/18/2005	FLOWING	PRODUCING

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
8/20/2005	24	23	→	40	1067	203	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF	WATER—BBL.	OIL GRAVITY-API (CORR.)
671	1100	→				

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  
**SOLD**

35. LIST OF ATTACHMENTS  
**PERFORATION DETAIL - ATTACHMENT PAGE 1**

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.  
SIGNED **JIM SIMONTON** *Jim Simonton* **COMPLETION SUPERVISOR** DATE **9/16/2005**

(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the

**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  
WRU EIH 13ML 24 8 22

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
UINTA	SURFACE		CONFIDENTIAL	UINTA	SURFACE	
KICKOFF POINT	900'			KICKOFF POINT	900'	
GREEN RIVER	2556'			GREEN RIVER	2556'	
MAHOGANY	3213'			MAHOGANY	3213'	
WASATCH	5783'			WASATCH	5783'	
MESA VERDE	8296'			MESA VERDE	8296'	
SEGO	10668			SEGO	10668	
TD	10,750'			TD	10,750'	

**WRU EIH 13ML 24 8 22 – Attachment Page 1**  
**PERFORATION DETAIL:**

<u>Open Perfs</u>	<u>Stimulation</u>				<u>Zone</u>
6915' – 6926'	Frac w/	25,500	Lbs in	14,784	Gals Wasatch
7892' – 7897'	}	80,000	Lbs in	34,692	Gals Wasatch
7999' – 8005'					
8168' – 8173'					
8303' – 8311'	}	55,000	Lbs in	34,524	Gals Mesa Verde
8355' – 8359'					
8367' – 8369'					
8373' – 8375'					
8988' – 8996'	}	115,000	Lbs in	54,390	Gals LMV
9037' – 9045'					
9689' – 9693'	}	90,700	Lbs in	53,760	Gals LMV
9752' – 9756'					
9781' – 9785'					
9851' – 9855'					
10660' – 10676'	Frac w/	70,400	Lbs in	44,856	Gals Segó
<b>Total SLF</b>		<b>436,600</b>	<b>Lbs in</b>	<b>237,006</b>	<b>Gals</b>

FIELD: White River

GL: 4,923 KBE: 4,935

Spud Date: 3-29-2005 Completion Date: 8-17-05

Well: WRU EIH 13ML-24-8-22

TD: 10,750 PBTD: 10,707  
TVD 10,378

Current Well Status: producing gas well

Location:

Surface: SESW Sec. 24, T8S, R22E 299' FSL: 2410' FWL API#: 43-047- 35793

Bottom Hole: SWSW Sec. 24, T8S, R22E 681' FSL: 654' FWL

Uintah County, Utah

Reason for Pull/Workover:

Complete new gas well

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Wellbore Schematic

Surface casing

Size: 9 - 5/8"  
Weight: 36 #/ft  
Grade: J-55  
Cmtd w/ 350 sks

Hole size: 12 1/4  
Set @ 762'

EXCLUDED PERFS

TOC @ 7555'

OPEN PERFS

Intermediate casing

Size: 7"  
Weight: 26 #/ft  
Grade: J-55  
Cmtd w/ 385 sks

Hole size:  
Set @ 4218'

Production Casing

Size: 4 1/2"  
Weight: 11.60#/ft  
Grade: P-110  
Cmtd w/ 1385 sks  
Set @ 10,421'  
Hole size: 7 7/8

F Nipple @ 6840  
EOT @ 6868  
6915'-6926' Wasatch

7892'-7897' Wasatch  
7999'-8005' Wasatch  
8168'-8173' Wasatch  
8303'-8311' Mesaverde  
8355'-8359' Mesaverde  
8367'-8369' Mesaverde  
8373'-8375' Mesaverde

8988'-8996' Lower Mesaverde  
9037'-9045' Lower Mesaverde

9689'-9693' Lower Mesaverde  
9752'-9756' Lower Mesaverde  
9781'-9785' Lower Mesaverde  
9851'-9855' Lower Mesaverde

10660'-10676' Sego  
PBTD @ 10707 '  
TVD @ 10,378 '  
TD @ 10750 '

Tubing Landing Detail:

Description	Size	Footage	Depth
K.B.		12.00	12.00
TBG HANGER	2 3/8"	0.85	12.85
210 JTS P - 110 TBG	2 3/8"	6,826.67	6,839.52
F - NIPPLE ( 1.81" I.D.)	2 3/8"	0.91	6,840.43
1 - JT P - 110 TBG--Chemical cut jt	2 3/8"	27.57	6,868.00
SHEAR SUB	2 3/8"	0.00	6,868.00
EOT @			<b>6,868.00</b>

TUBING INFORMATION

Condition:

New: X Used: Rerun:

Grade: P-110

Weight (#/ft): 4.7 #/ft

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

Cable Size: SN @ 6,840'

Pump Intake @ PKR @

End of Pump @ EOT @ 6868'

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

7 1/16" 5000#

Other:

Hanger: Yes X No

SUMMARY

Zone 1 Sego (10660'-10676') FRAC: 70,000# PR-6000 sand

Zone 2 Lower Mesaverde (9851'-9855')(9781'-9785')(9752'-9756')(9689'-9693')

FRAC: 91,000# 20/40 PR-6000 sand

Zone 3 Mesaverde (9037'-9045')(8988'-8996') FRAC: 115,000# PR-6000 sand

Zone 4 Mesaverde (8373'-8375')(8367'-8369')(8355'-8359')(8303'-8311')

FRAC: 55,000# 20/40 PR-6000 sand

Zone 5 Wasatch (8168'-8173')(7999'-8005')(7892'-7897') FRAC: 80,000# Ottawa sand

Zone 6 Wasatch (6915'-6926') FRAC: 25,000# 20/40 Ottawa sand

Production log scheduled 90 days from first production

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

**SUBMIT IN TRIPLICATE**

1. Type of Well  
Oil  Well Gas  Well  Well Other  Well

2. Name of Operator  
**QEP UINTA BASIN, INC.**

3. Address and Telephone No. **11002 E. 17500 S. VERNAL, UT 84078-8526** Contact: **mike.stahl@questar.com**  
**435.781.4389 Fax 435.781.4329**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**SURFACE Sec 24, T8S, R22E SESW - 299' FSL, 2410' FWL**  
**BOTTOMHOLE Sec 24, T8S, R22E SWSW - 681' FSL, 654' FWL**  
**3**

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5. Lease Designation and Serial No.  
**UTU-43917**

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

7. If Unit or CA, Agreement Designation  
**WHITE RIVER UNIT**

8. Well Name and No.  
**WRU EIH 13ML-24-8-22**

9. API Well No.  
**43-047-35793**

10. Field and Pool, or Exploratory Area  
**NATURAL BUTTES**

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

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

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

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

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

A production log was run on 10/3/05 and based upon that log the final production allocation is as follows:

Mesa Verde - 100%

3 - BLM, 2- Utah OG&M, 1 - Denver, 1 - file Word file-server

14. I hereby certify that the foregoing is true and correct.  
Signed Mike Stahl Title Engineer Date 10/31/05

(This space for Federal or State office use)  
Approved by: \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any \_\_\_\_\_

RECEIVED

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

NOV 02 2005

**PLATO PRODUCTION LOG ANALYSIS REPORT**

**Name of Well:** WRU EIH 13ML-24-8-22  
**Name of Analyst:** J. SMOLEN  
**Date of Analysis:** Thu Oct 27 17:00:06 2005  
**Company:** QUESTAR

*All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees.*

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**INTERPRETIVE SOFTWARE PRODUCTS**

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## Overview

The production log analysis was performed based on a global stochastic optimization technique. In this technique a flow model was compared to all available data and improved until the best possible match with the data was obtained. A comparison, between the model and the data, is shown in this report and allows to identify remaining discrepancies. These can be due to tool deficiencies, conflicts between the parameters or conditions that make the underlying empirical models (such as flow regimes) less applicable.

The flow regimes were determined, directly from the flow rates and holdups, according to the Dukler - Taitel analytic model.

The profile factors, to calculate the average effective fluid velocity from the apparent velocity, were based on the Reynolds numbers, calculated from the phase velocities and phase properties.

Where gas was present the density, heat capacity and Joule-Thompson coefficients were derived from the Lee Kesler Pitzer equation of states.

Solution gas in oil was derived from the Vasquez and Beggs or Ostein Glas0 correlation.

The analysis was performed in five steps:

- The data preparation to filter the data, compute gradients and error estimates.
- The flow meter analysis to compute the apparent velocity.
- The profile determination to identify the potential producing and/or injecting zones.
- The computation of the flow rates by global optimization.
- The computation of surface productions and reporting.

For each analysis step, a summary of results and input parameters is provided in the report.

Under the assumptions made during the analysis and described hereafter the following production/injection rates were found:

Depth		Profile	Qp-Water-STP	Qp-Gas-STP
feet			BFPD	MCFD
Surface	6870.00	Flow	0	0
6870.00	6899.50	Flow	0	0
6899.50	6931.00	Produce	50.0	0
6931.00	7981.50	Flow	0	0
7981.50	8185.50	Produce	0	0
8185.50	8291.00	Flow	0	0
8291.00	8385.50	Produce	0	79.3
8385.50	9022.00	Flow	0	0
9022.00	9090.00	Produce	0	0
9090.00	9680.00	Flow	0	0
9680.00	9827.50	Produce	0	431
9827.50	10653.00	Flow	0	0
10653.00	10674.00	Produce	6.68	198
10674.00	10680.00	WellBottom	0	0
10680.00	Bottom	WellBottom	ABSENT	ABSENT

Well information

The Well was analyzed as a two phase water/gas production Well.  
 The tool diameter was 1.38 in and the reported pipe diameter and deviation were:

DPipe	in	4.00
PipeAngle	DegAng	0

The following surface production rates were reported:

QWaterSurf	BFPD	50.0
QGasSurf	MMCFD	.700

PVT information

The water density and viscosity were calculated using a salinity of 35000 ppm. The Craft & Hawkins correlation was used. The Pc and Tc parameters were calculated using the Brown et al. correlation. The gas viscosity was calculated using the Lee Gonzales Eakin correlation.  
 The following gas parameters were used:

GasType		Miscellaneous
SPGG	UNITY	.600
GP-CO2	UNITY	0
GP-H2S	UNITY	0
GP-Nitrogen	UNITY	0

From the above fluid information, temperature and pressure the following fluid properties, at Well conditions, were calculated:

Depth	Rho-Water	Visco-Water	Rho-Gas	Visco-Gas
feet	g/cc	cP	g/cc	cP
6870.00	1.00	.414	.0330	.0139
7293.50	1.00	.395	.0346	.0141
7716.50	.999	.387	.0334	.0141
8140.00	.999	.384	.0353	.0142
8563.50	.996	.361	.0373	.0144
8986.50	.994	.351	.0424	.0147
9410.00	.993	.340	.0471	.0149
9833.50	.991	.329	.0519	.0152
10256.50	.989	.317	.0571	.0155
10680.00	.988	.311	.0618	.0157

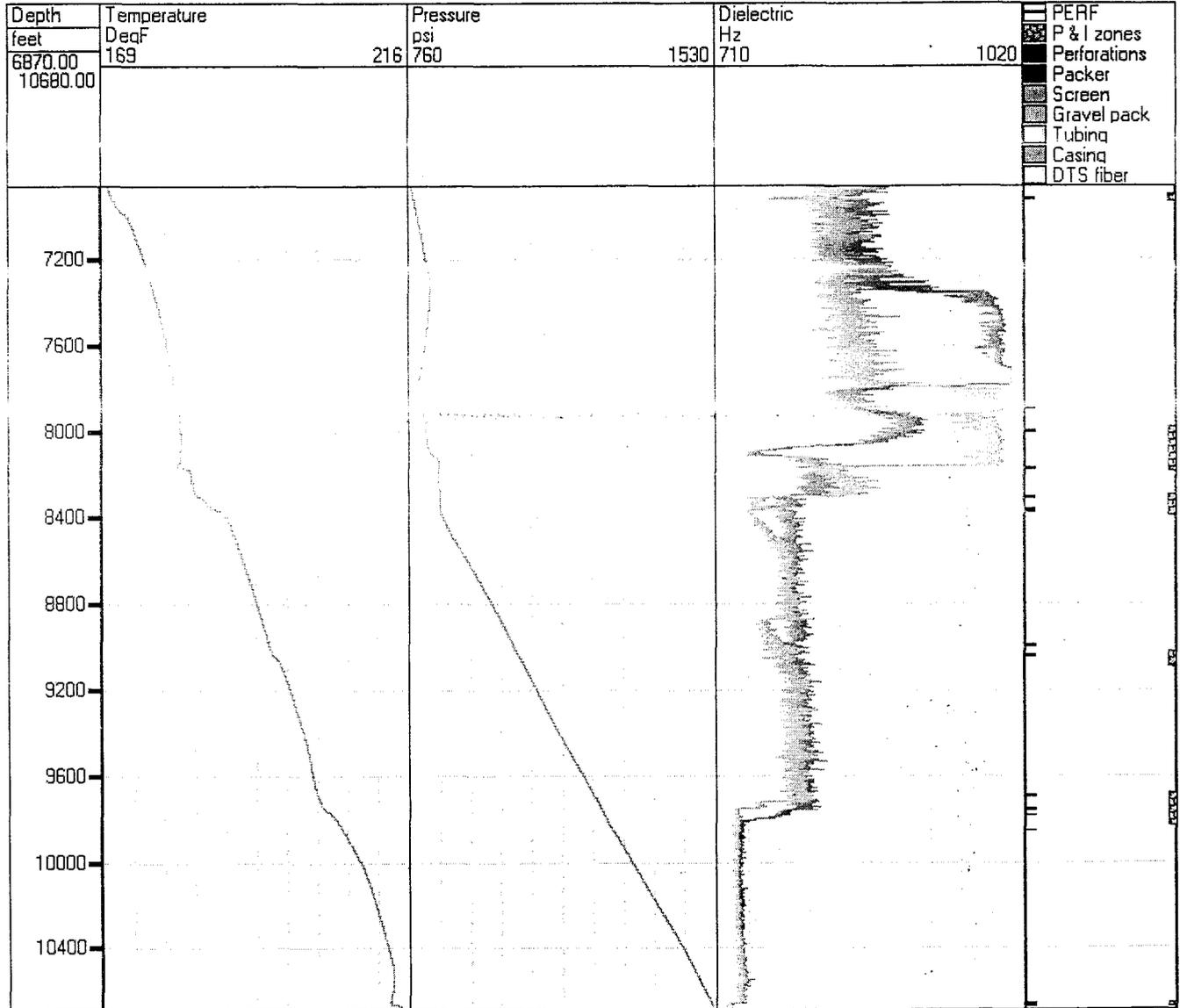
Tool Information

For fluid identification the pressure gradient and capacitance tools were used.  
 The following tool and Well information were used:

Hydro form function	Hz	617	-806	631	-164
HydroWater	Hz	720			
HydroAir	Hz	1040			
HydroHyd	Hz	1040			
DgeoRef	ft	10500			
TgeoRef	DegF	214			
Geotherm	DegF/ft	.0128			
FlowTime	d	5.00			
Pressure over casing	psi	14.5			
DTubing	in	ABSENT			
DTubingExt	in	ABSENT			
DCasing	in	ABSENT			
DCasingExt	in	ABSENT			
DWellBore	in	ABSENT			
DtRock	mm <sup>2</sup> /s	1.03			
KtcRock	MJ/m/K/d	.210			
KtcCement	MJ/m/K/d	.0800			
KtcTubing	MJ/m/K/d	ABSENT			

### The Logging Data

The figure below summarizes the input data recorded at the Well side. Each pass is shown with a fixed predefined color.



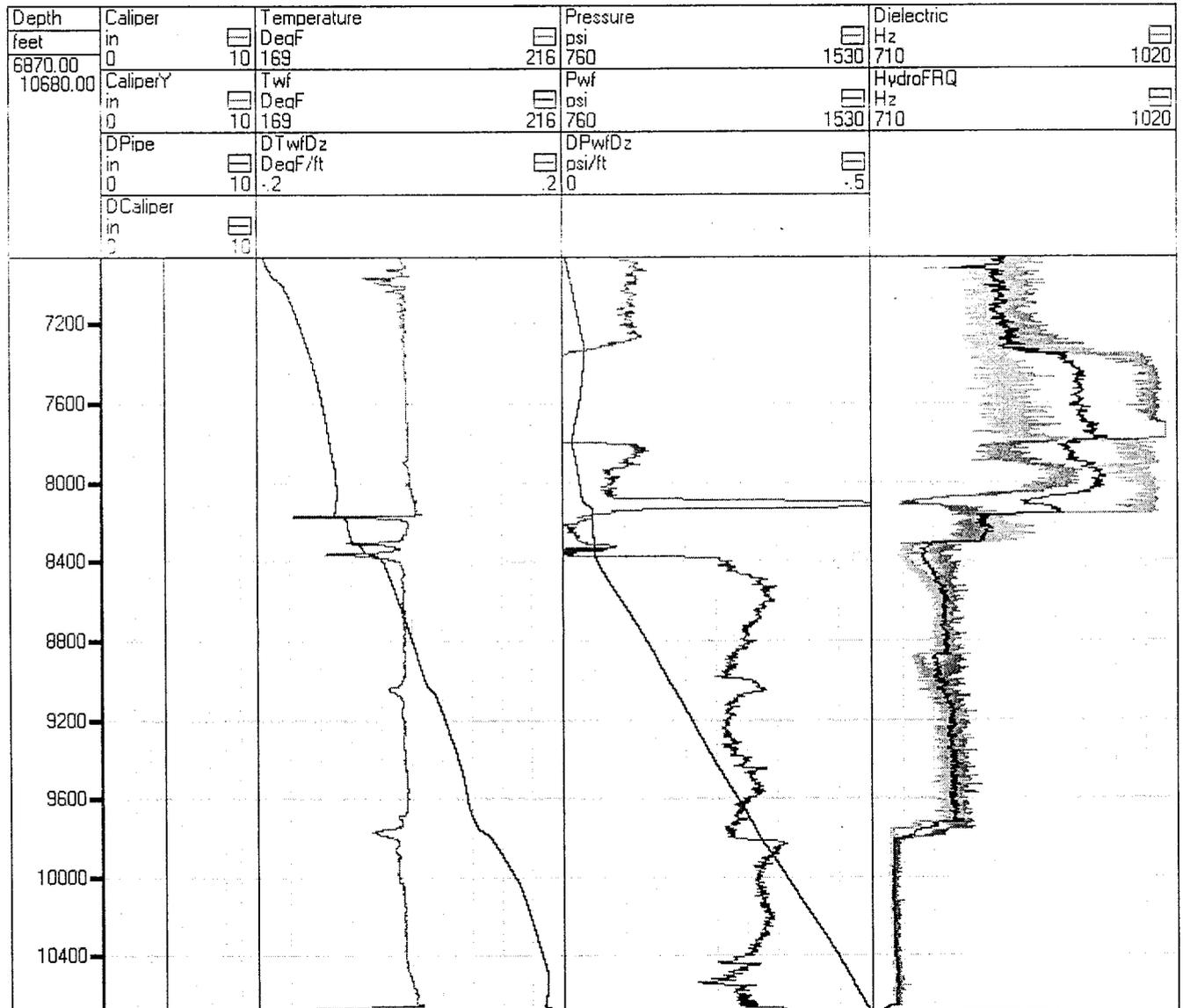
#### Observation

Well logs were trimmed from 6870 to 10680 for analysis. Spinner logs were excessively noisy and likely erroneous due to bubbling flow and water fallback. Spinners were not used in this analysis. This PLATO analysis is based on the temperature and dielectric logs.

### Data preparation

Before performing the analysis, the log data was filtered and spikes were removed. In some cases several passes were averaged to obtain a more accurate measurement.

The figure below shows the result of this computation. Each pass is shown with a fixed predefined color. For temperature and pressure the gradients along the Well bore were calculated. The curve names are respectively DTwfDz for the temperature gradient and DPwfDz for the pressure gradient. Each output log is associated with an estimate of the error. The error curves have the following names: Tool-ERP.



#### Observation

Both dielectric logs were used for an average log. The upper logged interval shows significant differences between the two dielectric runs. This upper interval (above about 8500') was given less weight than the lower intervals in the PLATO analysis. The Dt/Dz pressure gradient also showed rather strange results in the unstable upper intervals of this well.

### Computation of the apparent velocity

The spinner was analyzed to calculate the apparent velocity at each depth. The spinner sensitivity (Slope) and threshold (Vthr) were calculated globally (held constant over zones) and are shown in the figure below. The figure shows a comparison between the flowmeter data and the flowmeter values calculated for each cable speed, with the globally determined slope and intercept.

For each cable speed a different color is used.

The data is shown as solid lines and the calculated values in dotted lines.

For a good calibration the solid lines and dotted lines should match for each pass (color).

Depth feet	Slope RPS/FPM	Vthr FPM	Vap FPM	LineSpd-Eqn FPM	Spinner RPS	SpinnerEval RPS
6870.00	0	1	0	20	0	-200
10680.00					200	230
6900						
7200						
7500						
7800						
8100						
8400						
8700						
9000						
9300						
9600						
9900						
10200						
10500						

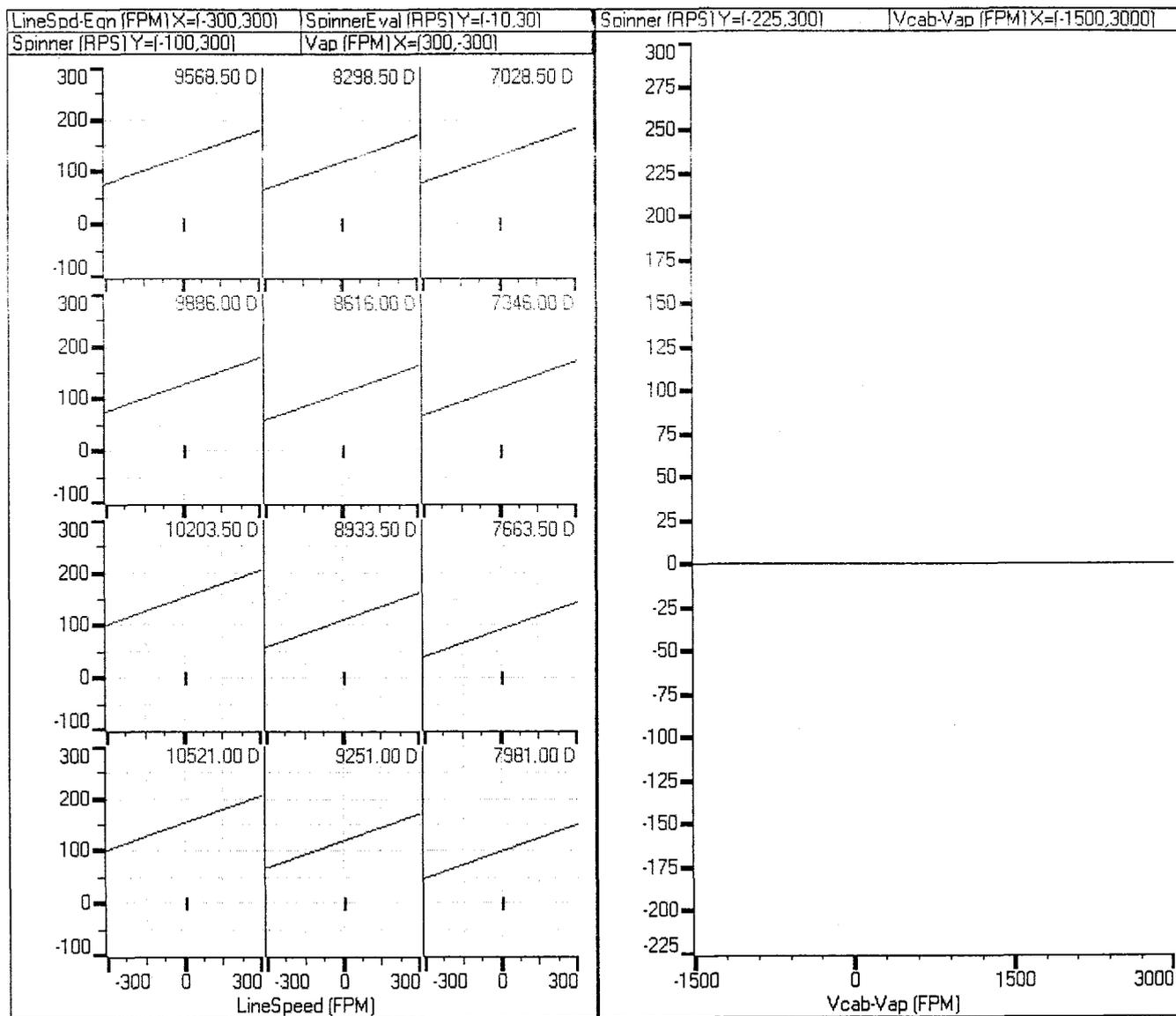
The quality of the data and calibration can be judged from the figure below.

The cross plots to the left show a comparison of the data and calculated values at selected depths. The blue dots represent the data while the red line and dots represent the calculated values.

To the right a cross plot is presented with all the flowmeter data.

Each pass is shown with a fixed predefined color.

To allow a comparison of all the data, the cable speed is corrected for the apparent velocity of the fluids. A good calibration will result in data points clustered along a straight or broken line.



Observation

Spinner data was not used for this analysis.



### Determination of the flow rates

The quantitative production rates were determined by comparing the Well flow model with all available data. In addition constraints on the surface flow rates and material balance were imposed.

After a global optimization the following production and flow rates were found.

Depth		Profile	Q-Water-STP	Qp-Water-STP	Q-Gas-STP	Qp-Gas-STP
feet			BFPD	BFPD	MCFD	MCFD
Surface	6870.00	Flow	50.0	0	700	0
6870.00	6899.50	Flow	50.0	0	700	0
6899.50	6931.00	Produce	50.0	50.0	700	0
6931.00	7981.50	Flow	0	0	700	0
7981.50	8185.50	Produce	0	0	700	0
8185.50	8291.00	Flow	1.74	0	700	0
8291.00	8385.50	Produce	1.74	0	700	79.3
8385.50	9022.00	Flow	4.02	0	621	0
9022.00	9090.00	Produce	4.02	0	621	0
9090.00	9680.00	Flow	4.29	0	629	0
9680.00	9827.50	Produce	4.29	0	629	431
9827.50	10653.00	Flow	6.68	0	198	0
10653.00	10674.00	Produce	6.68	6.68	198	198
10674.00	10680.00	WellBottom	0	0	0	0
10680.00	Bottom	WellBottom	ABSENT	ABSENT	ABSENT	ABSENT

To improve the accuracy of the flow rates the temperature was used as a constraint. The calculated temperature values are based on an enthalpy model. This model includes kinetic energy, frictional and Joule-Thompson heating as well as conduction and convection into the formation.

To judge on the agreement of the flow model with the data, the figure below is provided.

In this figure the data is represented by the blue curves, while the calculated tool values are shown in red. The uncertainty interval is represented as a gray band around the data. It corresponds to one standard deviation.

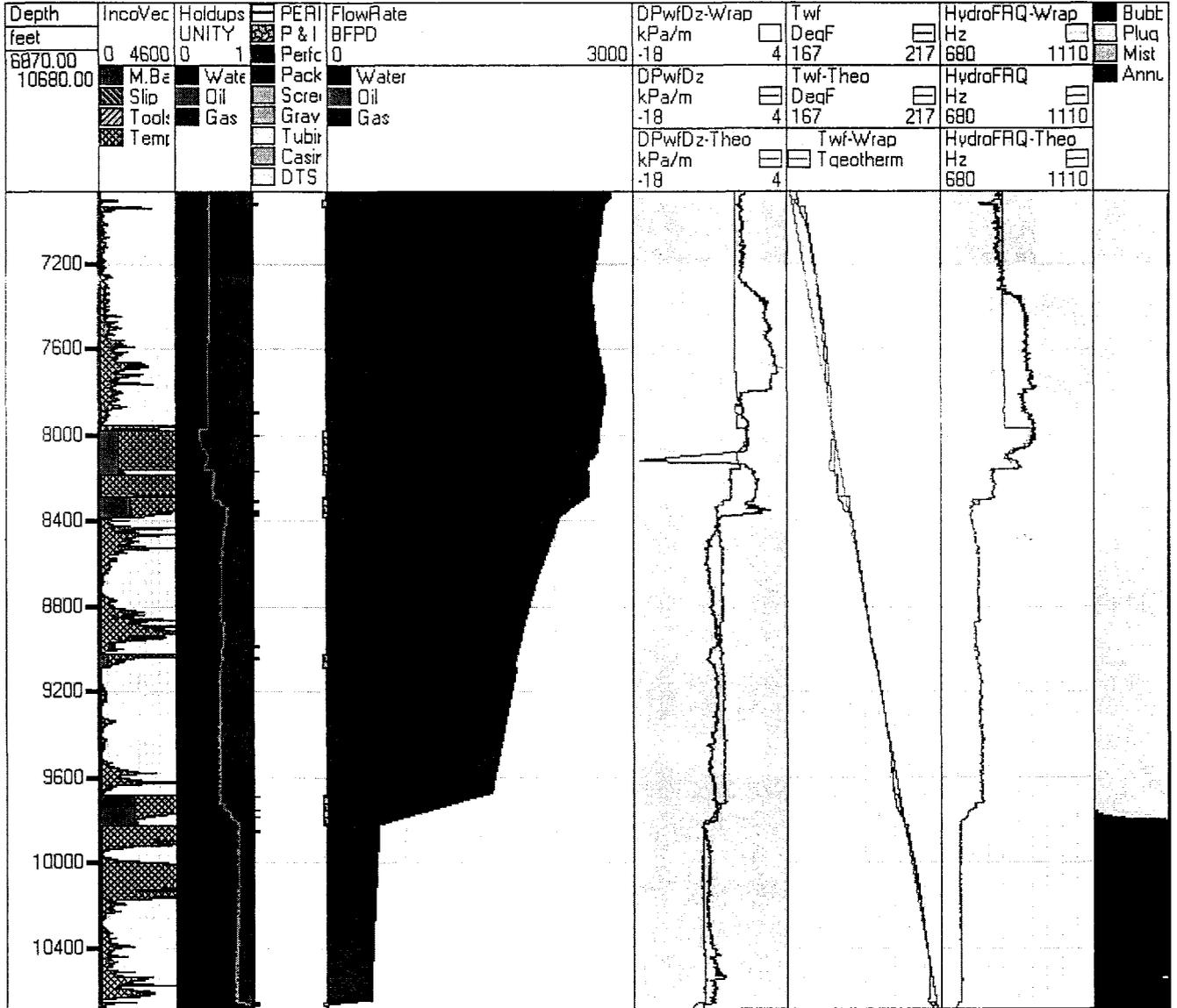
The small fluctuations around the data are to be expected, since the tools have intrinsic errors. Large sustained discrepancies indicate problems with the data, conflicts between parameters or conditions that make the underlying empirical models less applicable.

The first curve to the left is the incoherence or total deviation for the depth. This incoherence includes the constraint terms for each tool, the slip velocities, material balance and surface production rates in the upper zone.

The third curve from the left shows the flow regimes. Within the transition zones several regimes can exist intermittently.

The fourth curve from the left is the holdup or relative effective cross section of the pipe used by each phase. The fifth curve from the left shows the perforations and production intervals. To differentiate adjacent producing (injecting) zones, incremental values are used for the ProfileFlag. The sixth curve from the left shows the flow rate fractions of each phase at Well conditions.

For the temperature constraint track, the geothermal is indicated as a pink line. Since the temperature is a very sensitive tool, small errors must be enforced. Therefore, a larger incoherence can be expected.



Computation of production rates at surface conditions

The production rates at surface conditions are summarized below.

Depth		Profile	Qp-Water-STP	Qp-Gas-STP
feet			BFPD	MCFD
Surface	6870.00	Flow	0	0
6870.00	6899.50	Flow	0	0
6899.50	6931.00	Produce	50.0	0
6931.00	7981.50	Flow	0	0
7981.50	8185.50	Produce	0	0
8185.50	8291.00	Flow	0	0
8291.00	8385.50	Produce	0	79.3
8385.50	9022.00	Flow	0	0
9022.00	9090.00	Produce	0	0
9090.00	9680.00	Flow	0	0
9680.00	9827.50	Produce	0	431
9827.50	10653.00	Flow	0	0
10653.00	10674.00	Produce	6.68	198
10674.00	10680.00	WellBottom	0	0
10680.00	Bottom	WellBottom	ABSENT	ABSENT

A graphical representation of the production profile is shown in the figure below. The curves QGas, QOil and QWater are the flow rates, for each depth, at surface conditions. The curves QpGas, QpOil and QpWater are the production rates at surface conditions.

Notice: These rates are the total amount produced in the zone.



Observation

This PLATO analysis shows entries of gas from the perfs at 10660-10676 (Sego), the perfs at 9752-9756 (Lower Mesa Verde), those at 8303-8311, 8355-8359, 8367-8369 (Mesa Verde). The Wasatch does not appear to be contributing gas except possibly in small or trace amounts. The water entry appears to be from the upper Perfs at 6915-6926 (Wasatch), with a possible much smaller entry from the Sego, 10660-10676.

### Conclusions

This revised report was done to discriminate the global entry in an earlier report dated Oct. 12, 2005. In that report, the entries across the interval 8000 to about 8400 were grouped together as a single global entry to facilitate the interpretation based on the temperature log. Unfortunately, that global entry included both the Wasatch and Mesa Verde formations. The computation was reperformed with the "Produce" sections separated into the Wasatch and Mesa Verde formations. As can be seen in the data of the previous page, the PLATO computation has allocated the entry in question to the Mesa Verde formation, and not the Wasatch. However, some minor contribution is indicated from the Wasatch based on the temperature survey.

To: Carol Daniels

From: John Caldwell

Re: WRU EIH 13ML24-8-22

Pages: 5

Merry Christmas ↓

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# QUESTAR

**WRU EIH 13ML-24-8-22**  
**UINTAH COUNTY, UTAH**  
**RIG: TRUE 26**  
**6/7/05**

**SITE DETAILS**

**WRU EIH PAD SE/4 SW/4**  
**Uintah County Utah**  
**Sec 24 TRS R22E**

Site Centre Latitude: 40°06'06.573N  
 Longitude: 109°23'23.899W

Water Depth: 0.00  
 Positional Uncertainty: 0.00  
 Convergence: 1.39



Azimuth to True North  
 Magnetic North: 11.82°  
 Magnetic Field  
 Strength: 53.05 nT  
 Dip Angle: 66.13°  
 Date: 5/24/2005  
 Model: IGR2005

**SECTION DETAILS**

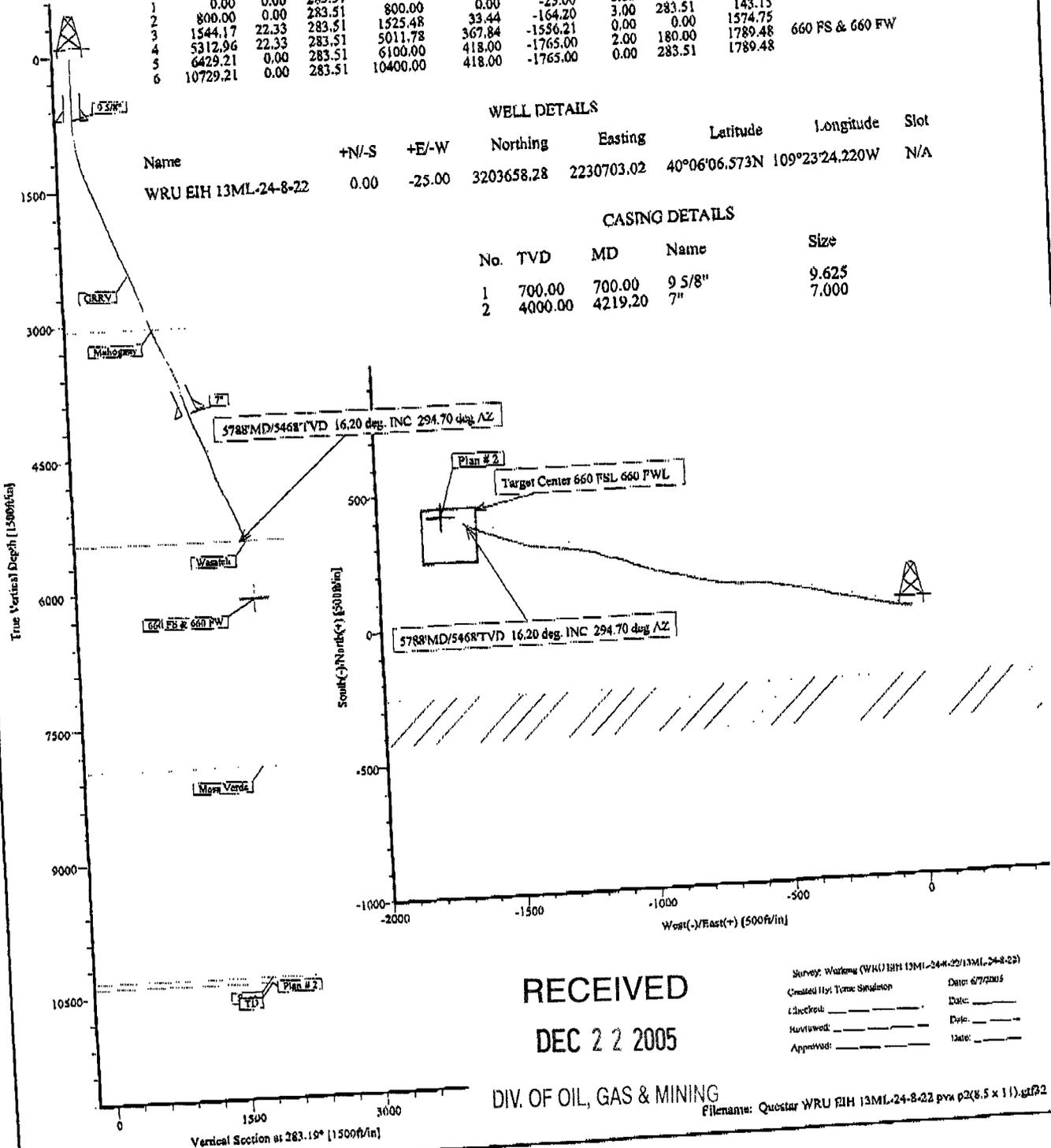
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	283.51	0.00	0.00	-25.00	0.00	0.00	0.00	
2	800.00	0.00	283.51	800.00	0.00	-25.00	0.00	0.00	0.00	
3	1544.17	22.33	283.51	1525.48	33.44	-164.20	3.00	283.51	143.15	
4	5312.96	22.33	283.51	5011.78	367.84	-1556.21	0.00	0.00	1574.75	660 FS & 660 FW
5	6429.21	0.00	283.51	6100.00	418.00	-1765.00	2.00	180.00	1789.48	
6	10729.21	0.00	283.51	10400.00	418.00	-1765.00	0.00	283.51	1789.48	

**WELL DETAILS**

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
WRU EIH 13ML-24-8-22	0.00	-25.00	3203658.28	2230703.02	40°06'06.573N	109°23'24.220W	N/A

**CASING DETAILS**

No.	TVD	MD	Name	Size
1	700.00	700.00	9 5/8"	9.625
2	4000.00	4219.20	7"	7.000



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

Survey: Weather (WRU EIH 13ML-24-8-22/13ML-24-8-22)  
 Created By: Tom Simonsen Date: 6/7/2005  
 Checked: \_\_\_\_\_ Date: \_\_\_\_\_  
 Reviewed: \_\_\_\_\_ Date: \_\_\_\_\_  
 Approved: \_\_\_\_\_ Date: \_\_\_\_\_

Filename: Questar WRU EIH 13ML-24-8-22 pva p2(8.5 x 11).dxf/2

# Weatherford Directional Services Composite Survey (Weatherford)

**Company:** Questar E & P  
**Field:** Uintah Basin NAD 1983  
**Site:** WRU EIH PAD SE/4 SW/4  
**Well:** WRU EIH 13ML-24-8-22  
**Wellpath:** 13ML-24-8-22

**Date:** 6/7/2005  
**Co-ordinate(NE) Reference:**  
**Vertical (TVD) Reference:**  
**Section (VS) Reference:**  
**Survey Calculation Method:** Minimum Curvature

**Time:** 11:22:03  
**Site:** WRU EIH PAD SE/4 SW/4, True North  
**SITE 0.0**  
**Well (0.00N,-25.00E,283.19Azi)**  
**Db:** Sybase

**Page:** 1  
**Start Date:** 5/26/2005

**Survey:** Working  
**Company:** Weatherford International, Inc  
**Tool:** MWD;MWD - Standard

**Engineer:** Teme Singleton  
**Tied-to:** From Surface

**Field:** Uintah Basin NAD 1983  
**Utah**

**Map System:** US State Plane Coordinate System 1983  
**Geo Datum:** GRS 1980  
**Sys Datum:** Mean Sea Level

**Map Zone:** Utah, Northern Zone  
**Coordinate System:** Site Centre  
**Geomagnetic Model:** Igrf2005

**Site:** WRU EIH PAD SE/4 SW/4  
**Utah County Utah**  
**Sec 24 T8S R22E**

**Site Position:**  
**From:** Geographic  
**Position Uncertainty:** 0.00 ft  
**Ground Level:** 0.00 ft

**Northing:** 3203658.89 ft  
**Easting:** 2230728.02 ft

**Latitude:** 40 6 6.573 N  
**Longitude:** 109 23 23.899 W  
**North Reference:** True  
**Grid Convergence:** 1.39 deg

**Well:** WRU EIH 13ML-24-8-22  
**310 FS & 2420 FW**

**Well Position:**  
**+N/-S** 0.00 ft  
**+E/-W** -25.00 ft  
**Position Uncertainty:** 0.00 ft

**Northing:** 3203668.28 ft  
**Easting:** 2230703.02 ft

**Latitude:** 40 6 6.573 N  
**Longitude:** 109 23 24.220 W

**Wellpath:** 13ML-24-8-22

**Current Datum:** SITE  
**Magnetic Data:** 5/24/2005  
**Field Strength:** 53057 nT  
**Vertical Section:** Depth From (TVD) ft

**Height** 0.00 ft  
**Drilled From:** Surface  
**Tie-on Depth:** 0.00 ft  
**Above System Datum:** Mean Sea Level  
**Declination:** 11.82 deg  
**Mag Dip Angle:** 66.13 deg  
**+N/-S** ft  
**+E/-W** ft  
**Direction** deg

**0.00**      **0.00**      **-25.00**      **283.19**

**Site Datums**

Datum	Height ft	Uncertainty ft
SITE	0.00	

**Targets**

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	Latitude Deg Min Sec	Longitude Deg Min Sec
660 FS & 680 FW -Rectangle (200x200)			6100.00	418.00	-1765.00	3204033.91	2228953.39	40 6 10.703 N	109 23 46.609 W

**Survey**

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	ClsD ft	ClsA deg	DLS deg/100ft	Sub Sea TVD ft
0.00	0.00	0.00	0.00	0.00	0.00	-25.00	0.00	0.00	0.00	0.00
300.00	0.50	135.00	300.00	-1.11	-0.93	-24.07	1.31	135.00	0.17	300.00
630.00	0.50	135.00	629.98	-3.66	-2.96	-22.04	4.19	135.00	0.00	629.98
700.02	0.28	112.81	700.00	-3.99	-3.24	-21.67	4.65	134.21	0.38	700.00
748.00	0.20	72.50	747.98	-4.17	-3.26	-21.48	4.80	132.82	0.38	747.98
800.00	1.81	263.95	799.97	-3.48	-3.32	-22.21	4.34	139.94	3.85	799.97
844.00	3.50	263.40	843.93	-1.56	-3.55	-24.23	3.63	167.76	3.85	843.93
940.00	8.20	269.50	939.40	7.85	-3.95	-33.99	9.82	246.30	4.93	939.40
1036.00	10.20	274.80	1034.16	22.92	-3.30	-48.31	24.53	262.28	2.26	1034.16
1131.00	11.70	281.10	1127.43	40.87	-0.74	-67.15	42.15	269.00	2.02	1127.43
1227.00	15.40	279.20	1220.74	63.32	3.18	-89.29	64.37	272.83	3.88	1220.74
1322.00	18.80	280.80	1311.58	91.04	8.03	-116.63	81.98	275.01	3.40	1311.58

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DIV. OF OIL, GAS & MINING

## Weatherford Directional Services Composite Survey (Weatherford)

<b>Company:</b> Questar E & P <b>Field:</b> Uintah Basin NAD 1983 <b>Site:</b> WRU EIH PAD SE/4 SW/4 <b>Well:</b> WRU EIH 13ML-24-8-22 <b>Wellpath:</b> 13ML-24-8-22	<b>Date:</b> 6/7/2005 <b>Co-ordinate(NE) Reference:</b> <b>Vertical (TVD) Reference:</b> <b>Section (VS) Reference:</b> <b>Survey Calculation Method:</b>	<b>Time:</b> 11:22:03 <b>Site:</b> WRU EIH PAD SE/4 SW/4, True North <b>SITE:</b> 0.0 <b>Well (0.00N,-25.00E,283.19Azi)</b> <b>Minimum Curvature</b>	Page: 2
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Survey	MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	Cl&D ft	Cl&A deg	DLS deg/100ft	Sub Sea TVD ft
	1418.00	20.60	283.90	1402.02	123.23	14.98	-148.07	123.97	278.93	2.35	1402.02
	1481.92	22.00	284.50	1481.57	148.45	20.66	-170.57	147.03	278.08	2.22	1461.57
	1587.00	22.70	282.70	1558.76	186.40	30.04	-209.41	186.84	279.25	0.93	1558.76
	1673.00	22.50	282.30	1638.15	219.45	37.20	-241.67	219.84	279.74	0.29	1638.15
	1769.00	21.90	280.60	1727.04	255.70	44.41	-277.22	256.10	279.98	0.92	1727.04
	1864.00	21.00	283.50	1815.46	290.42	51.64	-311.19	290.81	280.23	1.46	1815.46
	1953.00	20.80	286.50	1898.60	322.15	59.85	-341.85	322.45	280.70	1.22	1898.60
	2049.00	20.10	284.50	1988.56	355.65	68.82	-374.16	355.88	281.15	1.03	1988.56
	2152.00	21.40	283.80	2084.87	392.14	77.73	-409.55	392.33	281.43	1.28	2084.87
	2247.00	20.90	281.90	2173.47	426.41	85.36	-442.96	426.59	281.54	0.89	2173.47
	2343.00	22.40	281.70	2262.70	461.82	92.60	-477.63	462.01	281.56	1.56	2262.70
	2439.00	24.00	281.80	2350.93	498.62	100.31	-514.65	499.82	281.58	1.67	2350.93
	2535.00	22.90	280.90	2439.00	537.81	107.83	-552.11	538.02	281.56	1.21	2439.00
	2558.87	22.84	278.93	2461.00	547.07	109.43	-581.24	547.30	281.53	3.22	2461.00
	2631.34	22.80	272.90	2527.80	574.91	112.32	-589.16	575.24	281.26	3.22	2527.80
	2727.00	19.60	266.40	2616.99	608.52	112.25	-623.70	609.13	280.62	4.15	2616.99
	2823.00	20.50	272.90	2707.18	640.48	112.09	-656.57	641.44	280.06	2.50	2707.18
	2919.00	20.60	278.10	2797.08	673.84	115.32	-690.08	675.00	279.84	1.90	2797.08
	2982.00	16.90	275.60	2856.73	693.97	117.78	-710.17	695.22	279.75	6.01	2856.73
	3015.00	16.40	275.80	2888.35	703.34	118.72	-719.58	704.65	279.70	1.53	2888.35
	3046.00	16.80	278.70	2918.05	712.15	119.84	-728.36	713.50	279.67	2.97	2918.05
	3078.00	17.10	279.10	2948.66	721.46	121.28	-737.58	722.82	279.66	1.01	2948.66
	3174.00	21.80	283.30	3039.16	753.37	127.62	-768.88	754.75	279.73	5.10	3039.16
	3206.12	21.70	283.63	3069.00	765.28	130.39	-780.46	766.63	279.79	0.50	3069.00
	3270.00	21.50	284.30	3128.39	788.79	136.06	-803.28	790.08	279.92	0.50	3128.39
	3366.00	25.20	287.10	3216.52	826.78	146.42	-839.87	827.92	280.19	4.02	3216.52
	3462.00	25.10	283.00	3303.42	867.54	157.01	-879.25	868.56	280.41	1.82	3303.42
	3558.00	25.60	282.30	3390.18	908.64	168.01	-919.35	909.63	280.52	0.61	3390.18
	3654.00	24.90	284.50	3477.01	949.58	175.52	-959.17	950.52	280.64	1.26	3477.01
	3749.00	24.10	289.60	3553.46	988.85	187.07	-996.80	989.65	280.90	2.34	3553.46
	3845.00	20.40	287.50	3652.30	1025.03	198.68	-1031.24	1026.66	281.17	3.94	3652.30
	3941.00	17.20	297.20	3743.19	1055.50	210.21	-1059.83	1055.97	281.48	4.65	3743.19
	4036.00	16.70	292.40	3834.07	1082.60	221.83	-1084.95	1082.91	281.82	1.56	3834.07
	4132.00	18.80	279.60	3925.53	1111.67	229.67	-1112.97	1111.94	281.92	4.60	3925.53
	4196.00	19.70	285.20	3985.95	1132.74	234.22	-1133.55	1133.02	281.93	3.21	3985.95
	4210.92	19.72	287.23	4000.00	1137.77	235.62	-1138.38	1138.04	281.95	4.59	4000.00
	4265.00	20.00	294.50	4050.87	1155.94	242.16	-1155.51	1156.16	282.09	4.59	4050.87
	4361.00	21.80	289.50	4140.56	1189.76	254.92	-1187.25	1189.89	282.37	2.64	4140.56
	4456.00	25.40	282.30	4227.62	1227.69	265.16	-1223.81	1227.79	282.47	4.85	4227.62
	4551.00	23.50	278.70	4314.10	1266.95	272.36	-1262.45	1267.07	282.41	2.54	4314.10
	4646.00	22.20	276.50	4401.84	1303.68	277.26	-1299.01	1303.83	282.28	1.64	4401.84
	4741.00	18.40	276.60	4490.73	1336.39	281.02	-1331.74	1336.62	282.14	4.00	4490.73
	4836.00	17.20	278.00	4581.18	1365.28	284.70	-1360.55	1365.55	282.03	1.34	4581.18
	4931.00	17.60	274.10	4671.83	1393.45	287.68	-1388.78	1393.60	281.91	1.30	4671.83
	5026.00	21.70	280.70	4761.29	1425.19	291.97	-1420.39	1425.60	281.82	4.90	4761.29
	5121.00	23.00	289.00	4849.18	1461.21	301.27	-1455.20	1461.59	281.90	3.59	4849.18
	5216.00	24.00	288.70	4936.30	1498.91	313.51	-1491.05	1498.20	282.07	1.06	4936.30
	5312.00	24.40	289.30	5023.86	1538.06	326.32	-1528.26	1538.27	282.25	0.49	5023.86
	5407.00	24.10	290.00	5110.48	1576.83	339.44	-1565.00	1576.97	282.43	0.44	5110.48
	5503.00	21.80	291.00	5198.87	1613.96	352.54	-1600.07	1614.04	282.62	2.43	5198.87
	5598.00	19.80	293.10	5287.68	1647.29	365.17	-1631.34	1647.33	282.81	2.25	5287.68
	5694.00	17.80	294.40	5378.55	1677.70	377.61	-1659.65	1677.71	283.01	2.13	5378.55
	5778.16	18.37	294.67	5459.00	1701.94	387.88	-1682.16	1701.94	283.17	1.70	5459.00

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## Weatherford Directional Services Composite Survey (Weatherford)

<b>Company:</b> Questar E & P <b>Field:</b> Uintah Basin NAD 1983 <b>Site:</b> WRU EIH PAD SE/4 SW/4 <b>Well:</b> WRU EIH 13ML-24-8-22 <b>Wellpath:</b> 13ML-24-8-22	<b>Date:</b> 6/7/2005 <b>Co-ordinate(NE) Reference:</b> <b>Vertical (TVD) Reference:</b> <b>Section (VS) Reference:</b> <b>Survey Calculation Method:</b>	<b>Time:</b> 11:22:03 <b>Site:</b> WRU EIH PAD SE/4 SW/4, True North <b>SITE</b> 0.0 <b>Well</b> (0.00N,-25.00E,283.19Azi) <b>Minimum Curvature</b>	<b>Page:</b> 3 <b>Dh:</b> Sybase
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Survey										
MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	ClSD ft	ClSA deg	DLS deg/100ft	Sub Sea TVD ft
5788.00	16.20	294.70	5468.44	1704.65	389.03	-1684.66	1704.65	283.19	1.70	5468.44

Annotation		
MD ft	TVD ft	
800.00	799.97	KOP SURF. LOCATION: 310' FSL & 2420' FWL PBHL: 660' FSL & 660' FWL

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 DIV. OF OIL, GAS & MINING

To: Carol Daniels

From: Dahn Caldwell

6 pages

Directional Survey

Well E IH 13 ML 24-8-22

(801) 359-3940

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Questar E & P  
 Deviation Summary

Well Name: WRU EIH 13ML-24-8-22 Location: 24-8-S 22-E 26  
 TMD: 10,710.0 (ft) TVD: 10,378.39 (ft) Spud Date: 3/29/2005  
 Closure Distance: 1,797.1 (ft) Closure Direction: 282.27 (°) Calculation Method: Minimum Curvature

SFT #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N-S (ft)	E-W (ft)	Vert Section (ft)	DLS (ft/1000)	OH BUR (ft/1000)	V.S. ADJ (ft)	Type
OH	0.0	0.00	0.00	YNN	0.00	0.00	0.00	0.00	0.00	0.00		
OH	748.0	0.20	72.50	YNN	748.00	0.39	1.25	-1.14	0.03	0.03	281.34	
OH	844.0	3.50	263.40	YNN	843.94	0.11	-1.51	1.50	3.85	3.44	281.34	
OH	940.0	8.20	269.50	YNN	939.42	-0.29	-11.27	10.99	4.93	4.90		MWD
OH	1,036.0	10.20	274.80	YNN	1,034.18	0.36	-26.59	26.14	2.26	2.08		MWD
OH	1,131.0	11.70	281.10	YNN	1,127.45	2.92	-44.42	44.13	2.02	1.58		MWD
OH	1,227.0	15.40	279.20	YNN	1,220.76	6.83	-66.57	66.61	3.88	3.85		MWD
OH	1,322.0	18.60	280.80	YNN	1,311.60	11.69	-93.91	94.37	3.40	3.37		MWD
OH	1,418.0	20.60	283.90	YNN	1,402.03	18.62	-125.34	126.56	2.35	2.08		MWD
OH	1,482.0	22.00	284.50	YNN	1,461.66	24.32	-147.88	149.78	2.21	2.19		MWD
OH	1,587.0	22.70	282.70	YNN	1,558.77	33.70	-186.69	189.67	0.93	0.67		MWD
OH	1,673.0	22.50	282.30	YNN	1,638.17	40.86	-218.95	222.71	0.29	-0.23		MWD
OH	1,769.0	21.90	280.60	YNN	1,727.05	48.06	-254.50	258.98	0.92	-0.63		MWD
OH	1,864.0	21.00	283.50	YNN	1,815.48	55.29	-288.46	293.71	1.46	-0.95		MWD
OH	1,953.0	20.80	286.50	YNN	1,898.62	63.51	-319.12	325.38	1.22	-0.22		MWD
OH	2,049.0	20.10	284.50	YNN	1,988.57	72.48	-351.44	358.83	1.03	-0.73		MWD
OH	2,152.0	21.40	283.80	YNN	2,084.89	81.39	-386.82	395.28	1.28	1.26		
OH	2,247.0	20.90	281.90	YNN	2,173.49	89.02	-420.24	429.54	0.89	-0.53		
OH	2,343.0	22.40	281.70	YNN	2,262.72	96.26	-454.91	464.95	1.56	1.56		
OH	2,439.0	24.00	281.80	YNN	2,350.95	103.96	-491.93	502.77	1.67	1.67		
OH	2,535.0	22.90	280.90	YNN	2,439.02	111.49	-529.38	540.97	1.21	-1.15		
OH	2,631.0	22.80	272.90	YNN	2,527.51	115.96	-566.31	578.06	3.24	-0.10		
OH	2,727.0	19.60	266.40	YNN	2,617.01	115.89	-600.97	612.03	4.13	-3.33		
OH	2,823.0	20.50	272.90	YNN	2,707.20	115.73	-633.83	644.22	2.50	0.94		
OH	2,886.0	20.50	277.70	YNN	2,766.22	117.77	-655.78	666.14	2.67	0.00		
OH	2,918.0	19.50	274.90	YNN	2,796.29	118.97	-666.66	677.04	4.33	-3.13		
OH	3,014.0	15.90	276.50	YNN	2,887.73	121.83	-695.70	706.07	3.78	-3.75		
OH	3,110.0	15.70	283.70	YNN	2,980.11	126.40	-721.39	732.16	2.05	-0.21		
OH	3,206.0	18.20	280.60	YNN	3,071.94	132.23	-748.75	760.13	2.77	2.60		
OH	3,302.0	18.90	280.90	YNN	3,162.95	137.93	-778.75	790.67	0.74	0.73		
OH	3,398.0	20.00	281.70	YNN	3,253.47	144.20	-810.09	822.63	1.18	1.15		
OH	3,430.0	19.20	286.30	YNN	3,283.62	146.79	-820.50	833.35	5.43	-2.50		
OH	3,462.0	18.60	301.90	YNN	3,313.91	150.96	-829.89	843.38	15.86	-1.88		

PAGE 2

DEC-21-05 2:00PM;

789;

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 DEC 21 2005  
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Questar E & P  
 Deviation Summary

Well Name: WRU EIH 13ML-24-8-22 Location: 24- 8-S 22-E 26  
 TMD: 10,710.0 (ft) TVD: 10,378.39 (ft) Spud Date: 3/29/2005  
 Closure Distance: 1,797.1 (ft) Closure Direction: 282.27 (°) Calculation Method: Minimum Curvature

S/T # V.S. AZI (°)  
 OH 281.34  
 OI 281.34

S/T #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N-S (ft)	E-W (ft)	Vert. Section (ft)	DLS (1/1000)	BUR (1/1000)	Type
01	3,015.0	16.40	275.80	YNN	2,888.36	122.37	-696.86	707.31	0.00	0.00	
01	3,046.0	16.80	278.70	YNN	2,918.07	123.49	-705.64	716.15	2.97	1.29	
01	3,078.0	17.10	279.10	YNN	2,948.68	124.93	-714.86	725.47	1.01	0.94	
01	3,110.0	18.60	281.40	YNN	2,979.14	126.69	-724.51	735.27	5.18	4.69	MWD
01	3,148.0	20.10	282.70	YNN	3,014.99	129.32	-736.82	747.86	4.11	3.95	MWD
01	3,174.0	21.80	283.30	YNN	3,039.27	131.41	-745.88	757.16	6.59	6.54	MWD
01	3,206.0	22.40	283.70	YNN	3,068.92	134.22	-757.58	769.19	1.93	1.88	MWD
01	3,238.0	21.60	285.00	YNN	3,098.59	137.19	-769.20	781.16	2.93	-2.50	MWD
01	3,270.0	21.50	284.30	YNN	3,128.35	140.17	-780.57	792.89	0.86	-0.31	MWD
01	3,302.0	22.00	284.60	YNN	3,158.07	143.12	-792.05	804.73	1.60	1.56	MWD
01	3,334.0	23.10	285.00	YNN	3,187.63	146.26	-803.91	816.98	3.47	3.44	MWD
01	3,365.0	25.20	287.10	YNN	3,215.91	149.78	-816.10	829.62	7.32	6.77	MWD
01	3,398.0	26.50	288.20	YNN	3,245.61	154.14	-829.81	843.92	4.20	3.94	MWD
01	3,430.0	26.00	285.80	YNN	3,274.31	158.28	-843.34	858.00	3.67	-1.56	MWD
01	3,464.0	25.10	283.00	YNN	3,304.99	161.93	-857.54	872.64	4.43	-2.65	MWD
01	3,494.0	25.10	282.10	YNN	3,332.15	164.70	-869.96	885.36	1.27	0.00	MWD
01	3,536.0	25.50	283.20	YNN	3,370.13	168.63	-887.47	903.30	1.47	0.95	MWD
01	3,558.0	25.60	282.30	YNN	3,389.97	170.72	-896.72	912.79	1.82	0.45	MWD
01	3,590.0	25.30	281.70	YNN	3,418.87	173.58	-910.18	926.54	1.24	-0.94	MWD
01	3,622.0	24.70	282.70	YNN	3,447.87	176.44	-923.39	940.06	2.29	-1.88	MWD
01	3,644.0	24.90	284.60	YNN	3,467.84	178.62	-932.36	949.28	3.73	0.91	MWD
01	3,685.0	24.30	285.50	YNN	3,505.12	183.05	-948.84	966.31	1.73	-1.46	MWD
01	3,717.0	24.30	287.70	YNN	3,534.29	186.81	-961.46	979.42	2.83	0.00	MWD
01	3,749.0	24.10	289.60	YNN	3,563.47	191.00	-973.89	992.43	2.51	-0.63	MWD
01	3,781.0	23.70	288.80	YNN	3,592.73	195.27	-986.13	1,005.27	1.61	-1.25	MWD
01	3,813.0	22.70	288.70	YNN	3,622.14	199.32	-998.07	1,017.77	3.13	-3.13	MWD
01	3,845.0	20.40	289.50	YNN	3,651.90	203.16	-1,009.17	1,029.42	7.25	-7.19	MWD
01	3,877.0	18.90	291.70	YNN	3,682.04	206.94	-1,019.25	1,040.04	5.23	-4.69	MWD
01	3,908.0	17.90	295.00	YNN	3,711.46	210.81	-1,028.23	1,049.61	4.66	-3.23	MWD
01	3,941.0	17.20	297.20	YNN	3,742.92	215.18	-1,037.17	1,059.23	2.92	-2.12	MWD
01	3,972.0	16.60	297.30	YNN	3,772.58	219.31	-1,045.18	1,067.90	1.94	-1.94	MWD
01	4,003.0	16.50	295.90	YNN	3,802.30	223.26	-1,053.07	1,076.41	1.33	-0.32	
01	4,036.0	16.70	292.40	YNN	3,833.92	227.12	-1,061.67	1,085.60	3.09	0.61	

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Questar E & P  
 Deviation Summary

Page 3 of 5

Well Name: WRU EIH 13ML-24-8-22 Location: 24-8-S 22-E 26  
 TMD: 10,710.0 (ft) TVD: 10,378.39 (ft) Spud Date: 3/29/2005  
 Closure Distance: 1,797.1 (ft) Closure Direction: 282.27 (°) Calculation Method: Minimum Curvature

SPT # V&A AZI (°)  
 OH 281.34  
 01 281.34

SPT #	TMD (ft)	Angle (°)	Asimuth (°)	CTM	TVD (ft)	N-S (°)	E-W (ft)	Vert. Section (ft)	DIS (ft/100ft)	CUR (ft/100ft)	Type
01	4,068.0	17.00	286.90	YNN	3,864.55	230.23	-1,070.40	1,094.77	5.07	0.94	
01	4,100.0	18.20	281.30	YNN	3,895.08	232.57	-1,079.78	1,104.43	6.48	3.75	
01	4,132.0	18.80	279.60	YNN	3,925.40	234.41	-1,089.76	1,114.58	2.52	1.88	
01	4,163.0	19.10	281.00	YNN	3,954.72	236.21	-1,099.67	1,124.64	1.76	0.97	
01	4,196.0	19.70	285.20	YNN	3,985.85	238.70	-1,110.33	1,135.59	4.60	1.82	
OH	4,265.0	20.00	294.50	NYN	4,050.89	245.82	-1,132.79	1,059.01	0.35	0.17	MWD
OH	4,361.0	21.80	289.50	YNN	4,140.58	258.58	-1,164.54	1,192.65	2.64	1.88	MWD
OH	4,456.0	25.40	282.40	YNN	4,227.64	268.85	-1,201.08	1,230.50	4.82	3.79	MWD
OH	4,551.0	23.50	278.70	YNN	4,314.12	276.09	-1,239.71	1,269.80	2.57	-2.00	MWD
OH	4,646.0	22.20	276.50	YNN	4,401.66	280.99	-1,276.27	1,306.60	1.64	-1.37	MWD
OH	4,741.0	18.40	276.60	YNN	4,490.74	284.74	-1,309.01	1,339.44	4.00	-4.00	MWD
OH	4,836.0	17.20	278.00	YNN	4,581.20	288.42	-1,337.81	1,368.41	1.34	-1.26	MWD
OH	4,867.0	16.70	277.00	YNN	4,610.85	289.60	-1,346.77	1,377.42	1.87	-1.61	MWD
OH	4,899.0	16.50	275.90	YNN	4,641.52	290.63	-1,355.85	1,386.53	1.16	-0.63	MWD
OH	4,931.0	17.60	274.10	NYN	4,671.85	290.97	-1,392.23	1,422.26	3.85	3.44	MWD
OH	5,026.0	21.70	280.70	YNN	4,761.31	295.26	-1,423.83	1,454.09	4.90	4.32	MWD
OH	5,121.0	23.00	289.00	YNN	4,849.19	304.57	-1,458.65	1,490.06	3.59	1.37	MWD
OH	5,216.0	24.00	288.70	YNN	4,936.31	316.80	-1,494.50	1,527.61	1.06	1.05	MWD
OH	5,248.0	24.00	288.70	YNN	4,965.55	320.98	-1,506.83	1,540.52	0.00	0.00	MWD
OH	5,312.0	24.40	289.30	YNN	5,023.92	329.52	-1,531.63	1,566.52	0.73	0.63	MWD
OH	5,407.0	24.10	290.00	YNN	5,110.54	342.64	-1,568.38	1,605.13	0.44	-0.32	MWD
OH	5,439.0	23.50	290.00	YNN	5,139.82	347.05	-1,580.51	1,617.90	1.88	-1.88	MWD
OH	5,471.0	22.60	289.00	YNN	5,169.26	351.24	-1,592.32	1,630.30	3.07	-2.81	MWD
OH	5,503.0	21.80	291.00	YNN	5,198.89	355.37	-1,603.68	1,642.25	3.44	-2.50	MWD
OH	5,598.0	19.80	293.00	YNN	5,287.70	367.98	-1,634.96	1,675.40	2.23	-2.11	MWD
OH	5,630.0	19.30	293.60	YNN	5,317.85	372.21	-1,644.80	1,685.88	1.68	-1.56	MWD
OH	5,694.0	17.80	294.40	YNN	5,378.52	380.49	-1,663.40	1,705.74	2.38	-2.34	MWD
OH	5,757.0	16.76	294.60	YNN	5,438.68	388.25	-1,680.43	1,723.97	1.65	-1.65	MWD
OH	5,788.0	16.20	294.70	YNN	5,468.41	391.92	-1,688.42	1,732.52	1.81	-1.81	MWD
OH	5,820.0	16.30	293.70	YNN	5,499.13	395.59	-1,696.59	1,741.25	0.93	0.31	MWD
OH	5,884.0	15.80	293.50	YNN	5,560.63	402.67	-1,712.80	1,758.54	0.79	-0.78	MWD
OH	5,980.0	13.10	292.30	YNN	5,653.59	412.01	-1,734.86	1,782.01	2.83	-2.81	MWD
OH	6,075.0	11.00	282.10	YNN	5,746.50	418.00	-1,753.69	1,801.64	3.14	-2.21	

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 DEC-21-05 2:01PM;  
 789;  
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Questar E & P  
 Deviation Summary

Well Name: WRU EIH 13ML-24-8-22      Location: 24-8-S 22-E 26  
 TMD: 10,710.0 (ft)      TVD: 10,378.39 (ft)      Spud Date: 3/29/2005  
 Closure Distance: 1,797.1 (ft)      Closure Direction: 282.27 (°)      Calculation Method: Minimum Curvature

ST #	V.S. AZI (°)
OH	281.34
01	281.34

ST #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N-S (ft)	E-W (ft)	Vert. Section (ft)	DLR (°/100ft)	BLR (°/100ft)	Type
OH	6,170.0	5.80	260.00	YNN	5,840.47	419.07	-1,767.29	1,815.19	6.35	-5.47	
OH	6,265.0	3.40	189.60	YNN	5,935.22	415.45	-1,772.49	1,819.58	5.95	-2.53	
OH	6,328.0	2.00	216.70	YNN	5,998.15	412.73	-1,773.46	1,819.99	2.95	-2.22	
OH	6,424.0	1.90	225.00	YNN	6,094.10	410.26	-1,775.58	1,821.59	0.31	-0.10	
OH	6,517.0	1.00	232.90	YNN	6,187.07	408.68	-1,777.32	1,822.98	0.99	-0.97	
OH	6,613.0	1.70	216.90	YNN	6,283.04	407.04	-1,778.85	1,824.15	0.82	0.73	MWD
OH	6,708.0	2.20	211.10	YNN	6,377.98	404.35	-1,780.63	1,825.38	0.57	0.53	MWD
OH	6,804.0	0.50	217.50	YNN	6,473.95	402.44	-1,781.84	1,826.19	1.78	-1.77	MWD
OH	6,899.0	1.30	192.10	YNN	6,568.94	401.06	-1,782.32	1,826.38	0.92	0.84	MWD
OH	6,994.0	1.10	191.10	YNN	6,663.92	399.11	-1,782.72	1,826.39	0.21	-0.21	MWD
OH	7,088.0	0.80	180.40	YNN	6,757.91	397.57	-1,782.90	1,826.27	0.37	-0.32	MWD
OH	7,185.0	1.10	160.40	YNN	6,854.89	396.01	-1,782.59	1,825.66	0.46	0.31	MWD
OH	7,278.0	1.40	160.30	YNN	6,947.87	394.10	-1,781.91	1,824.61	0.32	0.32	
OH	7,373.0	1.90	170.80	YNN	7,042.83	391.45	-1,781.26	1,823.46	0.61	0.53	
OH	7,469.0	0.30	103.30	YNN	7,138.81	389.82	-1,780.77	1,822.65	1.88	-1.67	
OH	7,564.0	0.90	143.00	YNN	7,233.81	389.17	-1,780.07	1,821.85	0.73	0.63	
OH	7,659.0	1.20	167.60	YNN	7,328.79	387.60	-1,779.41	1,820.89	0.56	0.32	
OH	7,754.0	1.60	167.40	YNN	7,423.76	385.34	-1,778.91	1,819.95	0.42	0.42	
OH	7,850.0	1.60	171.30	YNN	7,519.73	382.71	-1,778.41	1,818.95	0.11	0.00	
OH	7,945.0	2.00	170.90	YNN	7,614.68	379.76	-1,777.95	1,817.91	0.42	0.42	MWD
OH	8,018.0	1.00	162.30	YNN	7,687.65	377.89	-1,777.56	1,817.16	1.40	-1.37	
OH	8,114.0	1.30	162.10	YNN	7,783.63	376.06	-1,776.97	1,816.22	0.31	0.31	
OH	8,209.0	1.40	172.10	YNN	7,878.61	373.88	-1,776.48	1,815.31	0.27	0.11	
OH	8,304.0	1.70	167.10	YNN	7,973.57	371.36	-1,776.00	1,814.35	0.35	0.32	
OH	8,400.0	2.40	159.80	YNN	8,069.51	368.09	-1,774.99	1,812.71	0.78	0.73	
OH	8,495.0	1.40	150.00	YNN	8,164.46	365.21	-1,773.72	1,810.91	1.10	-1.05	
OH	8,590.0	0.80	178.80	YNN	8,259.44	363.55	-1,773.13	1,810.00	0.84	-0.63	
OH	8,685.0	0.80	179.60	YNN	8,354.43	362.22	-1,773.11	1,809.72	0.01	0.00	
OH	8,779.0	1.30	163.30	YNN	8,448.42	360.54	-1,772.80	1,809.08	0.61	0.53	
OH	8,875.0	1.30	156.00	YNN	8,544.39	358.35	-1,771.98	1,807.84	0.28	0.21	
OH	8,970.0	2.10	152.80	YNN	8,639.34	355.67	-1,770.67	1,806.04	0.64	0.63	
OH	9,065.0	1.10	123.70	YNN	8,734.30	353.61	-1,769.12	1,804.11	1.32	-1.05	
OH	9,161.0	1.20	133.00	YNN	8,830.28	352.42	-1,767.62	1,802.41	0.22	0.10	

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PAGE 6/6

DEC-21-05 2:03PM;

789;

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Questar E & P

Deviation Summary

Well Name: WRU EIH 13ML-24-8-22

TMD: 10,710.0 (ft)

TVD: 10,378.39 (ft)

Location: 24- 8-S 22-E 26

Spud Date: 3/29/2005

SIT #

V.S. Azi (°)

Closure Distance: 1,797.1 (ft)

Closure Direction: 282.27 (°)

Calculation Method: Minimum Curvature

OH

281.34

SIT #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N-S (ft)	E-W (ft)	Wrt. Section (ft)	CLS (1/1000)	OH SUR (1/1000)	V.S. Azi Type (°)
OH	9,256.0	0.80	130.20	YNN	8,925.27	351.31	-1,766.38	1,800.98	0.42	-0.42	
OH	9,351.0	1.00	132.90	YNN	9,020.26	350.32	-1,765.27	1,799.69	0.22	0.21	
OH	9,446.0	0.70	152.30	YNN	9,115.25	349.24	-1,764.39	1,798.62	0.43	-0.32	
OH	9,542.0	1.10	130.80	YNN	9,211.24	348.12	-1,763.42	1,797.45	0.54	0.42	
OH	10,560.0	3.50	0.00	YNN	10,228.67	372.82	-1,756.02	1,795.06	0.42	0.24	
OH	10,710.0	3.50	0.00	YKN	10,378.39	381.98	-1,756.02	1,796.85	0.00	0.00	

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

FORM 6

ENTITY ACTION FORM

Operator: QEP Uinta Basin, Inc. Operator Account Number: N 2460  
 Address: 11002 East 17500 South  
city Vernal  
state UT zip 84078 Phone Number: (435) 781-4342

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304735793	WRU EIH 13MU 24-8-22		SESW	24	8	22	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
C	99999	12538	3/28/2005		1/5/06		
Comments: <u>WSTC per unit</u>			CONFIDENTIAL			J	

Well 2

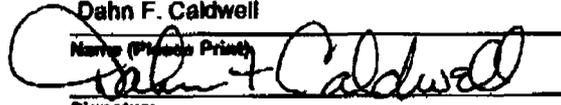
API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

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)  
  
 Signature  
 Office Administrator II  
 Title  
 1/5/2006  
 Date

(5/2000)

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CONFIDENTIAL

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

**ROUTING**

1. DJJ
2. CDW

Change of Operator (Well Sold)

**X - Operator Name Change/Merger**

The operator of the well(s) listed below has changed, effective:

1/1/2007

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

CA No.		Unit:			WHITE RIVER 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**

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)  
WHITE RIVER UNIT

4/30/2007 and 5/15/2007

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
WHITE RIVER 31-4	WR 31-4	SWSE	04	080S	220E	4304715090	4915	Federal	WS	A
WRU 15-35-8-22	WRU EIH 15-35-8-22	SWSE	35	080S	220E	4304733061	12528	Federal	GW	P
E IRON HORSE 12W-35-8-22	WRU EIH 12W-35-8-22	NWSW	35	080S	220E	4304733393	12528	Federal	GW	P
WRU 13W-3-8-22	WR 13W-3-8-22	SWSW	03	080S	220E	4304733651	13544	Federal	GW	P
GB 6W-9-8-22	OU GB 6W-9-8-22	SENW	09	080S	220E	4304734010	13545	Federal	GW	P
E IRON HORSE 4W-35-8-22	WRU EIH 4W-35-8-22	NWNW	35	080S	220E	4304734042	12528	Federal	GW	P
E IRON HORSE 3W-35-8-22		NENW	35	080S	220E	4304734044	12528	Federal	GW	P
GB 4W-9-8-22	WRU GB 4WRG-9-8-22	NWNW	09	080S	220E	4304734208	4915	Federal	GW	DRL
WRU 13WX-35-8-22	WRU EIH 13WX-35-8-22	SWSW	35	080S	220E	4304734210	12528	Federal	GW	P
WRU EIH 5W-35-8-22	WRU EIH 5W-35-8-22	SWNW	35	080S	220E	4304734572	12528	Federal	GW	P
OU GB 14W-9-8-22	OU GB 14W-9-8-22	SESW	09	080S	220E	4304734649	13545	Federal	GW	P
WRU GB 9MU-9-8-22	WRU GB 9MU-9-8-22	NESE	09	080S	220E	4304734650	13545	Federal	GW	P
OU GB 10W-9-8-22	OU GB 10W-9-8-22	NWSE	09	080S	220E	4304734651	13545	Federal	GW	P
OU GB 12W-9-8-22	OU GB 12W-9-8-22	NWSW	09	080S	220E	4304734652	13712	Federal	GW	S
OU GB 15W-9-8-22	OU GB 15W-9-8-22	SWSE	09	080S	220E	4304734678	13545	Federal	GW	P
OU GB 16W-9-8-22	OU GB 16W-9-8-22	SESE	09	080S	220E	4304734679	13545	Federal	GW	P
WRU EIH 6W-35-8-22	WRU EIH 6W-35-8-22	SENW	35	080S	220E	4304734684	12528	Federal	GW	P
GB 11ML-10-8-22	GB 11ML-10-8-22	NESW	10	080S	220E	4304734691	14818	Federal	GW	P
WRU EIH 11W-35-8-22	WRU EIH 11W-35-8-22	NESW	35	080S	220E	4304734708	12528	Federal	GW	P
WRU GB 5M-9-8-22	WRU GB 5M-9-8-22	SWNW	09	080S	220E	4304734753	13545	Federal	GW	P
OU GB 12W-4-8-22	OU GB 12W-4-8-22	NWSW	04	080S	220E	4304734762	13718	Federal	GW	P
OU GB 12M-10-8-22	OU GB 12M-10-8-22	NWSW	10	080S	220E	4304734769	13864	Federal	GW	P
WRU EIH 14W-26-8-22	WRU EIH 14W-26-8-22	SESW	26	080S	220E	4304734835	12528	Federal	GW	S
WRU EIH 11MU-26-8-22	WRU EIH 11MU-26-8-22	NESW	26	080S	220E	4304734836	12528	Federal	GW	P
WRU EIH 10W-35-8-22	WRU EIH 10W-35-8-22	NWSE	35	080S	220E	4304735046	12528	Federal	GW	P
WRU EIH 9MU-26-8-22	WRU EIH 9MU-26-8-22	NESE	26	080S	220E	4304735047	14003	Federal	GW	P
WRU EIH 15MU-26-8-22	WRU EIH 15MU-26-8-22	SWSE	26	080S	220E	4304735048	12528	Federal	GW	P
WRU EIH 1MU-35-8-22	WRU EIH 1MU-35-8-22	NENE	35	080S	220E	4304735049	12528	Federal	GW	P
WRU EIH 9M-35-8-22	WRU EIH 9M-35-8-22	NESE	35	080S	220E	4304735050	12528	Federal	GW	P
WRU EIH 7MU-35-8-22	WRU EIH 7MU-35-8-22	SWNE	35	080S	220E	4304735051	12528	Federal	GW	P
WRU EIH 1MU-26-8-22	WRU EIH 1MU-26-8-22	NENE	26	080S	220E	4304735118	12528	Federal	GW	P
WRU EIH 7MU-26-8-22	WRU EIH 7MU-26-8-22	SENE	26	080S	220E	4304735119	12528	Federal	GW	P
WRU EIH 10MU-26-8-22	WRU EIH 10MU-26-8-22	NWSE	26	080S	220E	4304735120	12528	Federal	GW	P
WRU EIH 15MU-35-8-22	WRU EIH 15MU-35-8-22	SWSE	35	080S	220E	4304735121	12528	Federal	GW	P
WRU EIH 10ML-23-8-22	WRU EIH 10ML-23-8-22	NWSE	23	080S	220E	4304735187	12528	Federal	GW	P
SG 12MU-23-8-22	SG 12MU-23-8-22	NWSW	23	080S	220E	4304735188	12528	Federal	GW	P
WRU EIH 9ML-23-8-22	WRU EIH 9ML-23-8-22	NESE	23	080S	220E	4304735189	12528	Federal	GW	P
WRU EIH 16MU-26-8-22	WRU EIH 16MU-26-8-22	SESE	26	080S	220E	4304735191	12528	Federal	GW	P
WRU EIH 2MU-26-8-22	WRU EIH 2MU-26-8-22	NWNE	26	080S	220E	4304735192	12528	Federal	GW	P
WRU EIH 8MU-26-8-22	WRU EIH 8MU-26-8-22	SENE	26	080S	220E	4304735193	12528	Federal	GW	P
WRU EIH 16MU-35-8-22	WRU EIH 16MU-35-8-22	SESE	35	080S	220E	4304735194	12528	Federal	GW	P

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)  
WHITE RIVER UNIT

4/30/2007 and 5/15/2007

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
WRU EIH 8MU-35-8-22	WRU EIH 8MU-35-8-22	SENE	35	080S	220E	4304735195	12528	Federal	GW	P
WRU EIH 13MU-25-8-22	WRU EIH 13MU-25-8-22	SWSW	25	080S	220E	4304735329	12528	Federal	GW	P
WRU EIH 15ML-23-8-22	WRU EIH 15ML-23-8-22	SWSE	23	080S	220E	4304735387	12528	Federal	GW	P
WRU EIH 4MU-25-8-22	WRU EIH 4MU-25-8-22	NWNW	25	080S	220E	4304735388	12528	Federal	GW	P
WRU EIH 3MU-25-8-22	EIH 3MU-25-8-22	NENW	25	080S	220E	4304735389	12528	Federal	GW	P
WRU EIH 12ML-24-8-22	WRU EIH 12ML-24-8-22	NWSW	24	080S	220E	4304735425	12528	Federal	GW	P
WRU EIH 14ML-24-8-22	WRU EIH 14ML-24-8-22	SESW	24	080S	220E	4304735426	12528	Federal	GW	P
WRU EIH 6MU-25-8-22	WRU EIH 6MU-25-8-22	SENW	25	080S	220E	4304735431	12528	Federal	GW	P
WRU EIH 5MU-25-8-22	WRU EIH 5MU-25-8-22	SWNW	25	080S	220E	4304735432	12528	Federal	GW	P
WRU EIH 12MU-25-8-22	WRU EIH 12MU-25-8-22	NWSW	25	080S	220E	4304735601	12528	Federal	GW	P
WRU EIH 14MU-35-8-22	WRU EIH 14MU-35-8-22	SESW	35	080S	220E	4304735667	12528	Federal	GW	P
WRU EIH 13ML-24-8-22	WRU EIH 13ML-24-8-22	SESW	24	080S	220E	4304735793	12528	Federal	GW	P
WRU EIH 16ML-23-8-22	WRU EIH 16ML-23-8-22	SWSE	23	080S	220E	4304735804	12528	Federal	GW	P
WRU EIH 11ML-24-8-22	WRU EIH 11ML-24-8-22	NWSW	24	080S	220E	4304735805	12528	Federal	GW	P
WRU EIH 6B-ML-35-8-22	WRU EIH 6B-ML-35-8-22	SWNW	35	080S	220E	4304737299	12528	Federal	GW	P
WRU EIH 6B-ML-35-8-20	WRU EIH 6B-ML-35-8-21	SWNW	35	080S	220E	4304737299	15281 12528	Federal	GW	S
WRU EIH 11BML-35-8-22	WRU EIH 11BML-35-8-22	NESW	35	080S	220E	4304737300	12528	Federal	GW	P
WRU EIH 3D-ML-35-8-22	WRU EIH 3D-ML-35-8-22	SENW	35	080S	220E	4304737465	12528	Federal	GW	P
WRU EIH 7D-ML-35-8-22	WRU EIH 7D-ML-35-8-22	SWNE	35	080S	220E	4304737466	12528	Federal	GW	P
WRU EIH 4AML-25-8-22	WRU EIH 4AD-25-8-22	NWNW	25	080S	220E	4304738636		Federal	GW	APD
WRU EIH 7AML-26-8-22	WRU EIH 7AD-26-8-22	SWNE	26	080S	220E	4304738637		Federal	GW	APD
WRU EIH 8DML-26-8-22	WRU EIH 8DML-26-8-22	SENE	26	080S	220E	4304738638		Federal	GW	APD
WRU EIH 9DML-26-8-22	WRU EIH 9DML-26-8-22	NESE	26	080S	220E	4304738639		Federal	GW	APD
WRU EIH 6DML-35-8-22	WRU EIH 6DD-35-8-22	SENW	35	080S	220E	4304738640		Federal	GW	APD
WRU EIH 7AD-35-8-22	WRU EIH 7AD-35-8-22	SWNE	35	080S	220E	4304738641		Federal	GW	APD
WRU EIH 13AML-35-8-22	WRU EIH 14BD-35-8-22	SWSW	35	080S	220E	4304738642		Federal	GW	APD
WRU EIH 2AML-35-8-22	WRU EIH 2AML-35-8-22	NWNE	35	080S	220E	4304738643		Federal	GW	APD
WRU EIH 3AD-35-8-22	WRU EIH 3AD-35-8-22	NENW	35	080S	220E	4304738644		Federal	GW	APD
WRU EIH 10AML-26-8-22	WRU EIH 10AML-26-8-22	NWSE	26	080S	220E	4304738647		Federal	GW	APD
WRU EIH 14AML-26-8-22	WRU EIH 14AML-26-8-22	SESW	26	080S	220E	4304738648		Federal	GW	APD
WRU EIH 9CML-26-8-22	WRU EIH 9CD-26-8-22	NESE	26	080S	220E	4304738649		Federal	GW	APD
WRU EIH 6BML-25-8-22	WRU EIH 6BML-25-8-22	SENW	25	080S	220E	4304738650		Federal	GW	APD
WRU EIH 15AG-35-8-22	WRU EIH 15AG-35-8-22	SWSE	35	080S	220E	4304738772		Federal	OW	APD
WRU EIH 15AML-35-8-22	WRU EIH 15AD-35-8-22	SWSE	35	080S	220E	4304738773		Federal	GW	APD

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

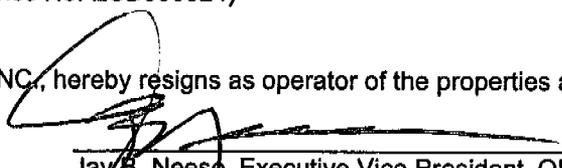
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: see attached
2. NAME OF OPERATOR: QUESTAR EXPLORATION AND PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: see attached
3. ADDRESS OF OPERATOR: 1050 17th Street Suite 500 City Denver STATE CO ZIP 80265		7. UNIT or CA AGREEMENT NAME: see attached
4. LOCATION OF WELL FOOTAGES AT SURFACE: attached		8. WELL NAME and NUMBER: see attached
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		9. API NUMBER: 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 (Submit in Duplicate) Approximate date work will start: <u>1/1/2007</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Operator Name Change</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

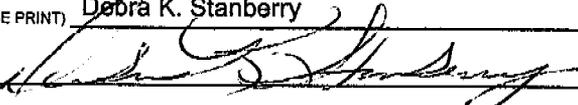
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective 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> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> see attached
<b>2. NAME OF OPERATOR:</b> QUESTAR EXPLORATION AND PRODUCTION COMPANY		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> see attached
<b>3. ADDRESS OF OPERATOR:</b> 1050 17th Street Suite 500 Denver STATE CO ZIP 80265		<b>7. UNIT or CA AGREEMENT NAME:</b> see attached
<b>4. LOCATION OF WELL</b> FOOTAGES AT SURFACE: attached		<b>8. WELL NAME and NUMBER:</b> see attached
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		<b>9. API NUMBER:</b> 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> (Submit in Duplicate) Approximate date work will start: <u>1/1/2007</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Well Name Changes</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

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

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

(This space for State use only)

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



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

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



IN REPLY REFER TO  
3180  
UT-922

April 23, 2007

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

Re: White River Unit  
Uintah County, Utah

Gentlemen:

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

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

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

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

Sincerely,

/s/ Greg J. Noble

Greg J. Noble  
Acting Chief, Branch of Fluid Minerals

### Enclosure

bcc: Field Manager - Vernal (w/enclosure)  
SITLA  
Division of Oil, Gas & Mining  
File - White River Unit (w/enclosure)  
Agr. Sec. Chron  
Reading File  
Central Files

UT922:TAThompson:tt:4/23/07

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APR 30 2007

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.  
**UTU- 43917**

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

7. If Unit or CA, Agreement Designation  
**WHITE RIVER UNIT**

8. Well Name and No.  
**WRU EIH 13ML 24 8 22**

9. API Well No.  
**43-047- 35793**

10. Field and Pool, or Exploratory Area  
**NATURAL BUTTES**

11. County or Parish, State  
**UINTAH, UT**

***SUBMIT IN TRIPLICATE***

1. Type of Well  
Oil Gas  
 Well  Well  Other

2. Name of Operator  
**QUESTAR EXPLORATION & PRODUCTION CO.**

3. Address and Telephone No. **Contact: dahn.caldwell@questar.com**  
**1571 E. 1700 S. Vernal, UT 84078** **435.781.4342 Fax 435.781.4357**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**SURFACE: SEC 24-T8S-R22E, SESW, 299' FSL, 2410' FWL**  
**BOTTOM: SEC 24-T8S-R22E, SWSW, 681' FSL, 654' FWL**

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

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

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

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)  
**This Work Over to lower tbg was completed between 5/09/07 – 5/16/07.**

- 1- 5/09/07 & 5/12/07 - Initial Report – tried to MIRU Key Energy Well Service. Location too muddy.
- 2- 5/11/2007 - SITP = 220#, SICP = 300#.
- 3- Bleed tbg & csg off.
- 4- NDWH & NU BOP. Remove tbg hanger. PU & tally in hole w/44 jts 2-3/8" tbg ( 1432'). EOT @ 8301'.  
Land on hanger.
- 5- ND BOP & NUWH.
- 6- RU swab.
- 7- Open tbg up. Well died. RU swab equipment. IFL = 4500'. Well kicked off.
- 8- 5/16/07 - Turn well over to production. RDMO Key Energy Well Service. EOT @ 8301'

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**JUN 28 2007**  
DIV. OF OIL, GAS & MINING  
6/25/07

14. I hereby certify that the foregoing is true and correct.  
Signed Jim Simonton Title Completion Supervisor

(This space for Federal or State office use)  
Approved by: \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any \_\_\_\_\_

**CONFIDENTIAL**

UTO8726P05  
**FIELD: White River**

GL: 4,923 KBE: 4,935

Spud Date: 3-29-2005 Completion Date: 5/17/2007

**Well: WRU EIH 13ML-24-8-22**

TD: 10,750 PBD: 10,707  
 TVD 10,378

Current Well Status: **producing gas well**

Location:  
 Surface: SESW Sec. 24, T8S, R22E 299' FSL: 2410' FWL API#: 43-047- 35793  
 Bottom Hole: SWSW Sec. 24, T8S, R22E 681' FSL: 654' FWL

**Reason for Pull/Workover:**

Complete new gas well

Uintah County, Utah

**Wellbore Schematic**

**Surface casing**

Size: 9 - 5/8"  
 Weight: 36 #/ft  
 Grade: J-55  
 Cmtd w/ 350 sks

Hole size: 12 1/4"  
 Set @ 762'

EXCLUDED PERFS

TOC @ 7555'

OPEN PERFS

**Intermediate casing**

Size: 7"  
 Weight: 26 #/ft  
 Grade: J-55  
 Cmtd w/ 385 sks

Hole size:  
 Set @ 4218'

**Production Casing**

Size: 4 1/2"  
 Weight: 11.60#/ft  
 Grade: P-110  
 Cmtd w/ 1385 sks  
 Set @ 10,421'  
 Hole size: 7 7/8"

6915'-6926' Wasatch  
 7892'-7897' Wasatch  
 7999'-8005' Wasatch  
 8168'-8173' Wasatch  
 7892'-7897' Wasatch  
**F Nipple @ 8273**  
**EOT @ 8301**  
 8303'-8311' Mesaverde  
 8355'-8359' Mesaverde  
 8367'-8369' Mesaverde  
 8373'-8375' Mesaverde  
 8988'-8996' Lower Mesaverde  
 9037'-9045' Lower Mesaverde  
 9689'-9693' Lower Mesaverde  
 9752'-9756' Lower Mesaverde  
 9781'-9785' Lower Mesaverde  
 9851'-9855' Lower Mesaverde  
 10660'-10676' Sego  
 PBD @ 10707 '  
 TVD @ ##### '  
 TD @ 10750 '

**Tubing Landing Detail:**

Description	Size	Footage	Depth
K.B.		12.00	12.00
TBG HANGER	2 3/8"	0.85	12.85
254 JTS P - 110 TBG	2 3/8"	8,259.22	8,272.07
F - NIPPLE ( 1.81" I.D.)	2 3/8"	0.91	8,272.98
1 JT P - 110 TBG--Chemical cut jt	2 3/8"	27.57	8,300.55
SHEAR SUB	2 3/8"	0.00	8,300.55
EOT @			<b>8,300.55</b>

**TUBING INFORMATION**

Condition:  
 New:  Used: \_\_\_\_\_ Rerun: \_\_\_\_\_  
 Grade: P-110  
 Weight (#/ft): 4.7 #/ft

**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**

Cable Size: \_\_\_\_\_ SN @ \_\_\_\_\_ 8,273 '  
 Pump Intake @ \_\_\_\_\_ PKR @ \_\_\_\_\_  
 End of Pump @ \_\_\_\_\_ EOT @ \_\_\_\_\_ 8301 '

**Flowing Well**

**Wellhead Detail:** Example: 7-1/16" 3000#  
7 1/16" 5000#

Other: \_\_\_\_\_  
 Hanger: Yes  No \_\_\_\_\_

**SUMMARY**

Zone 1 Sego (10660'-10676') FRAC: 70,000# PR-6000 sand  
 Zone 2 Lower Mesaverde (9851'-9855')(9781'-9785')(9752'-9756')(9689'-9693')  
 FRAC: 91,000# 20/40 PR-6000 sand  
 Zone 3 Mesaverde (9037'-9045')(8988'-8996') FRAC: 115,000# PR-6000 sand  
 Zone 4 Mesaverde (8373'-8375')(8367'-8369')(8355'-8359')(8303'-8311')  
 FRAC: 55,000# 20/40 PR-6000 sand  
 Zone 5 Wasatch (8168'-8173')(7999'-8005')(7892'-7897') FRAC: 80,000# Ottawa sand  
 Zone 6 Wasatch (6915'-6926') FRAC: 25,000# 20/40 Ottawa sand  
 Production log scheduled 90 days from first production

5-9-07 TO 5-17-07. MIRU, NDWH & NU BOP. PU & tally in hole w/ 44 jts 2 3/8" tbg. EOT @ 8300'.  
 land tbg on hanger. ND BOP & NUWH. Swab well. Turn well over to production. RDMO.

**CONFIDENTIAL**



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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: See attached
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: See attached
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME: See attached
2. NAME OF OPERATOR: Questar Exploration and Production Company <i>N5085</i>		8. WELL NAME and NUMBER: See attached
3. ADDRESS OF OPERATOR: 1050 17th Street, Suite 500 Denver STATE CO ZIP 80265		9. API NUMBER: Attached
4. LOCATION OF WELL FOOTAGES AT SURFACE: See attached		10. FIELD AND POOL, OR WILDCAT: 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 (Submit in Duplicate)  Approximate date work will start: <u>6/14/2010</u>	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: <u>Operator Name Change</u>
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion: _____			

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

(This space for State use only)

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JUN 28 2010

DIV. OF OIL, GAS & MINING

(See Instructions on Reverse Side)

APPROVED 6/13/2009  
*Earlene Russell*  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

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

well_name	sec	tpw	rng	api	entity	mineral lease	type	stat	C
WR 16-9	09	080S	220E	4304715081	4915	Federal	OW	S	
WRU EIH 15-35-8-22	35	080S	220E	4304733061	12528	Federal	GW	P	
WRU EIH 12W-35-8-22	35	080S	220E	4304733393	12528	Federal	GW	P	
WR 13W-3-8-22	03	080S	220E	4304733651	13544	Federal	GW	P	
OU GB 6W-9-8-22	09	080S	220E	4304734010	13545	Federal	GW	P	
WRU EIH 4W-35-8-22	35	080S	220E	4304734042	12528	Federal	GW	P	
WRU EIH 3W-35-8-22	35	080S	220E	4304734044	12528	Federal	GW	P	
WRU GB 4WRG-9-8-22	09	080S	220E	4304734208	4915	Federal	OW	P	
WRU EIH 13WX-35-8-22	35	080S	220E	4304734210	12528 13456	Federal	GW	P	
WRU EIH 5W-35-8-22	35	080S	220E	4304734572	12528	Federal	GW	P	
OU GB 14W-9-8-22	09	080S	220E	4304734649	13545	Federal	GW	P	
WRU GB 9MU-9-8-22	09	080S	220E	4304734650	13545	Federal	GW	P	
OU GB 10W-9-8-22	09	080S	220E	4304734651	13545	Federal	GW	P	
OU GB 15W-9-8-22	09	080S	220E	4304734678	13545	Federal	GW	P	
OU GB 16W-9-8-22	09	080S	220E	4304734679	13545	Federal	GW	P	
WRU EIH 6W-35-8-22	35	080S	220E	4304734684	12528 16723	Federal	GW	P	
GB 11ML-10-8-22	10	080S	220E	4304734691	14818	Federal	GW	P	
WRU EIH 11W-35-8-22	35	080S	220E	4304734708	12528	Federal	GW	P	
WRU GB 5M-9-8-22	09	080S	220E	4304734753	13545 14447	Federal	GW	S	
OU GB 12W-4-8-22	04	080S	220E	4304734762	13718	Federal	GW	P	
OU GB 12M-10-8-22	10	080S	220E	4304734769	13545	Federal	GW	P	
WRU EIH 14W-26-8-22	26	080S	220E	4304734835	12528	Federal	GW	TA	
WRU EIH 11MU-26-8-22	26	080S	220E	4304734836	12528 13713	Federal	GW	P	
WRU EIH 10W-35-8-22	35	080S	220E	4304735046	12528 15700	Federal	GW	P	
WRU EIH 9MU-26-8-22	26	080S	220E	4304735047	12528 14003	Federal	GW	P	
WRU EIH 15MU-26-8-22	26	080S	220E	4304735048	12528	Federal	GW	P	
WRU EIH 1MU-35-8-22	35	080S	220E	4304735049	12528	Federal	GW	P	
WRU EIH 9M-35-8-22	35	080S	220E	4304735050	12528 14005	Federal	GW	P	
WRU EIH 7MU-35-8-22	35	080S	220E	4304735051	12528 14106	Federal	GW	P	
WRU EIH 1MU-26-8-22	26	080S	220E	4304735118	12528 14349	Federal	GW	P	
WRU EIH 7MU-26-8-22	26	080S	220E	4304735119	12528 14102	Federal	GW	P	
WRU EIH 10MU-26-8-22	26	080S	220E	4304735120	12528 14107	Federal	GW	P	
WRU EIH 15MU-35-8-22	35	080S	220E	4304735121	12528 14197	Federal	GW	P	
WRU EIH 10ML-23-8-22	23	080S	220E	4304735187	12528 14503	Federal	GW	P	
WRU EIH 9ML-23-8-22	23	080S	220E	4304735189	12528 14504	Federal	GW	S	

Bonds: BLM = ESB000024  
BIA = 965010693  
State = 965010695

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

well_name	sec	twp	rng	api	entity	mineral lease	type	stat	C
WRU EIH 16MU-26-8-22	26	080S	220E	4304735191	12528	Federal	GW	P	
					14351				
WRU EIH 2MU-26-8-22	26	080S	220E	4304735192	12528	Federal	GW	P	
					14104				
WRU EIH 8MU-26-8-22	26	080S	220E	4304735193	12528	Federal	GW	P	
					14234				
WRU EIH 16MU-35-8-22	35	080S	220E	4304735194	12528	Federal	GW	P	
					14198				
WRU EIH 8MU-35-8-22	35	080S	220E	4304735195	12528	Federal	GW	P	
					17329				
WRU EIH 13MU-25-8-22	25	080S	220E	4304735329	12528	Federal	GW	P	
					14168				
WRU EIH 15ML-23-8-22	23	080S	220E	4304735387	12528	Federal	GW	S	
					14681				
WRU EIH 4MU-25-8-22	25	080S	220E	4304735388	12528	Federal	GW	P	
					14339				
WRU EIH 3MU-25-8-22	25	080S	220E	4304735389	12528	Federal	GW	P	
					14341				
WRU EIH 12ML-24-8-22	24	080S	220E	4304735425	12528	Federal	GW	P	
					14536				
WRU EIH 14ML-24-8-22	24	080S	220E	4304735426	12528	Federal	GW	P	
					14646				
WRU EIH 6MU-25-8-22	25	080S	220E	4304735431	12528	Federal	GW	P	
					14379				
WRU EIH 5MU-25-8-22	25	080S	220E	4304735432	12528	Federal	GW	P	
					14240				
WRU EIH 12MU-25-8-22	25	080S	220E	4304735601	12528	Federal	GW	P	
					14214				
WRU EIH 14MU-35-8-22	35	080S	220E	4304735667	12528	Federal	GW	P	
					14615				
WRU EIH 13ML-24-8-22	24	080S	220E	4304735793	12528	Federal	GW	S	
					14644				
WRU EIH 16ML-23-8-22	23	080S	220E	4304735804	12528	Federal	GW	P	
					14683				
WRU EIH 11ML-24-8-22	24	080S	220E	4304735805	12528	Federal	GW	P	
					14540				
WRU EIH 6B-ML-35-8-22	35	080S	220E	4304737299	12528	Federal	GW	P	
					15281				
WRU EIH 11BML-35-8-22	35	080S	220E	4304737300	12528	Federal	GW	P	
					15282				
WRU EIH 3D-ML-35-8-22	35	080S	220E	4304737465	12528	Federal	GW	P	
					15552				
WRU EIH 7D-ML-35-8-22	35	080S	220E	4304737466	12528	Federal	GW	P	
					15637				
WRU EIH 4AD-25-8-22	25	080S	220E	4304738636	12528	Federal	GW	P	
					16651				
WRU EIH 7AD-26-8-22	26	080S	220E	4304738637	12528	Federal	GW	P	
					16579				
WRU EIH 6DD-35-8-22	35	080S	220E	4304738640	12528	Federal	GW	P	
					16511				

Bonds: BLM = ESB000024  
 BIA = 956010693  
 State = 965010695

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

well_name	sec	twp	rng	api	entity	mineral lease	type	stat	C
WRU EIH 7AD-35-8-22	35	080S	220E	4304738641	16180	Federal	GW	P	
WRU EIH 14BD-35-8-22	35	080S	220E	4304738642	17143	Federal	GW	OPS	C
WRU EIH 9CD-26-8-22	26	080S	220E	4304738649	12528 16446	Federal	GW	P	
GB 1M-4-8-22R (RIGSKID)	04	080S	220E	4304738990	15879	Federal	GW	P	
WRU EIH 6D-5-8-23	05	080S	230E	4304738994	16415	Federal	GW	P	
WRU GB 13G-3-8-22	03	080S	220E	4304739792	4915	Federal	OW	P	
WRU GB 14G-4-8-22	04	080S	220E	4304740097	4915	Federal	OW	P	
GB 3D-4-8-22R(RIGSKID)	04	080S	220E	4304740345	17099	Federal	GW	P	



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, UT 84145-0155

<http://www.blm.gov/ut/st/en.html>



IN REPLY REFER TO:  
3100  
(UT-922)

JUL 28 2010

### Memorandum

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

From: Chief, Branch of Minerals

*Roger L. Bankert*

Subject: Name Change Recognized

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

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

cc: MMS  
UDOGM

RECEIVED

AUG 16 2010

DIV OF OIL, GAS & MINERAL