

Additional Operator Remarks

Questar Explor. & Prod. Co. proposes to drill a well to 11,625' 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"

Please see Questar Explor. & Prod. Co. Standard Operating Practices dated October 18, 2005, for Mesa Verde Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and Undesignated fields in Townships 07, 08 and 09 South, Ranges 21 to 25 East.

Please be advised that Questar Explor. & Prod. Co. 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 Questar Explor. & Prod. Co. via surety as consent as provided for the 43 CFR 3104.2.

Questar Exploration & Production, Co.
WV 13AML-15-8-21

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

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

1. Formation Tops

The estimated tops of important geologic markers are as follows:

Formation	Depth
Uinta	Surface
Green River	2630'
Mahogany Ledge	3390'
Wasatch	5980'
Mesa Verde	9100'
Sego	11,515'
TD	11,625'

2. Anticipated Depths of Oil, Gas, Water and Other Mineral Bearing Zones

The estimated depths at which the top and bottom of the anticipated water, oil, gas or other mineral bearing formations are expected to be encountered are as follows:

Substance	Formation	Depth
Oil/Gas	Mesa Verde	11,625

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 6952.0 psi.

5M BOP STACK

11" Rotating Head

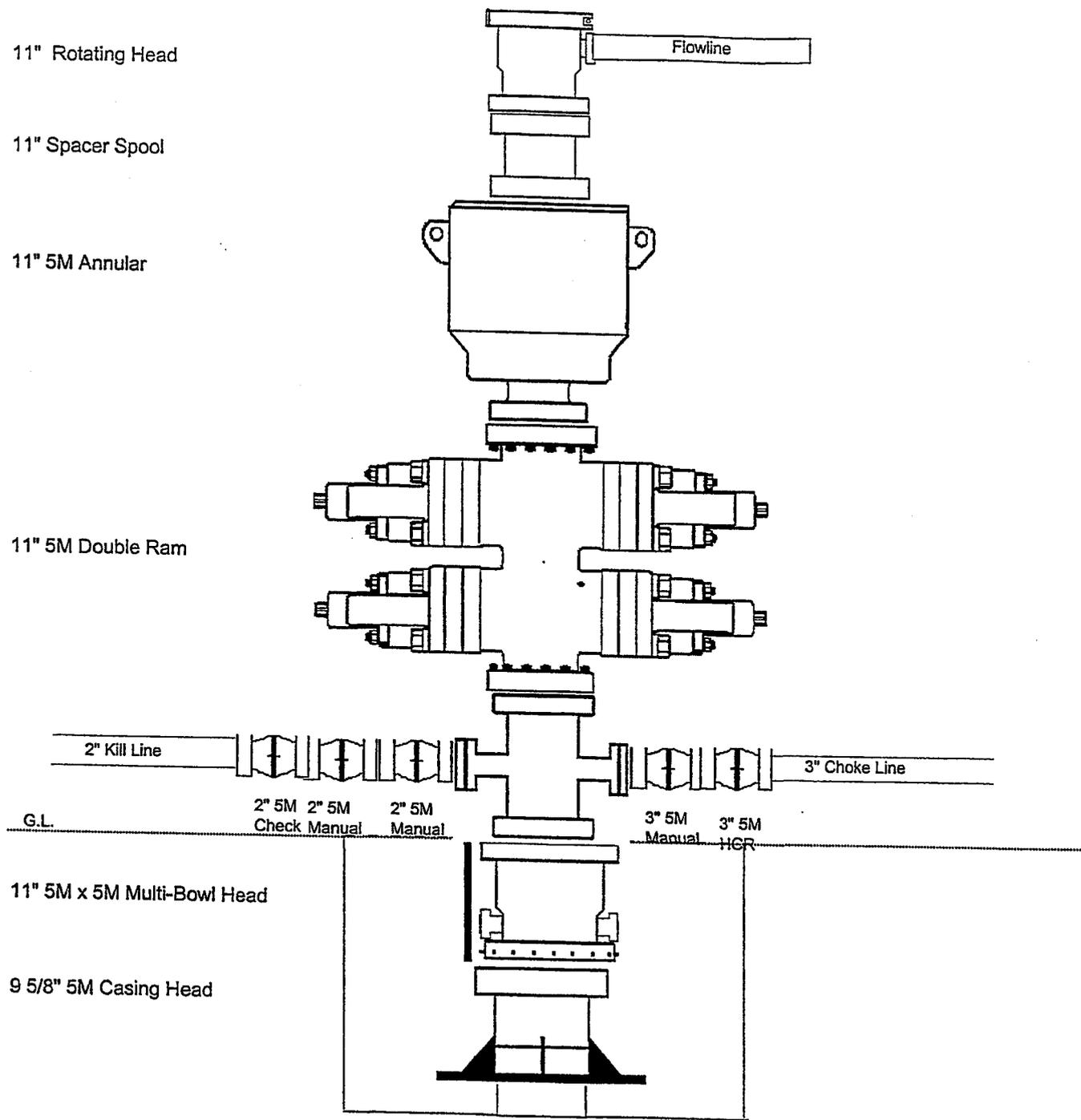
11" Spacer Spool

11" 5M Annular

11" 5M Double Ram

11" 5M x 5M Multi-Bowl Head

9 5/8" 5M Casing Head



QUESTAR EXPLORATION & PRODUCTION, CO.
WV 13AML-15-8-21
1340' FSL 1334' FWL
SWSW, SECTION 15, T8S, R21E
UINTAH COUNTY, UTAH
LEASE # UTU-0807

ONSHORE ORDER NO. 1

MULTI – POINT SURFACE USE & OPERATIONS PLAN

1. **Existing Roads:**

The proposed well site is approximately 10 miles east of Ouray, 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 roads.

2. **Planned Access Roads:**

Please see Questar Explor. & Prod. Co Standard Operating Practices dated October 18, 2005, for Mesa Verde Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and Undesignated fields in Townships 07, 08 and 09 South, Ranges 21 to 25 East.

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

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

Please refer to Topo Map C.

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

Please see Questar Explor. & Prod. Co Standard Operating Practices dated October 18, 2005, for Mesa Verde Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and Undesignated fields in Townships 07, 08 and 09 South, Ranges 21 to 25 East.

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

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

Please see Questar Explor. & Prod. Co Standard Operating Practices dated October 18, 2005, for Mesa Verde Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and Undesignated fields in Townships 07, 08 and 09 South, Ranges 21 to 25 East.

6. **Source of Construction Materials:**

Please see Questar Explor. & Prod. Co Standard Operating Practices dated October 18, 2005, for Mesa Verde Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and Undesignated fields in Townships 07, 08 and 09 South, Ranges 21 to 25 East.

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

Please see Questar Explor. & Prod. Co Standard Operating Practices dated October 18, 2005, for Mesa Verde Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and Undesignated fields in Townships 07, 08 and 09 South, Ranges 21 to 25 East.

8. **Ancillary Facilities:**

Please see Questar Explor. & Prod. Co Standard Operating Practices dated October 18, 2005, for Mesa Verde Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and Undesignated fields in Townships 07, 08 and 09 South, Ranges 21 to 25 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.

A pit liner is required. A felt pit liner will be required if bedrock is encountered.

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

Please see Questar Explor. & Prod. Co Standard Operating Practices dated October 18, 2005, for Mesa Verde Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and Undesignated fields in Townships 07, 08 and 09 South, Ranges 21 to 25 East.

Interim Reclamation

Please see attached Interim Reclamation plan.

Once the well is put onto production, QEP will reclaim as much of the well pad as possible that will allow for operations to continue in a safe and reasonable manner. Reseeding will be done in the spring or fall of every year to allow winter precipitation to aid in the success of reclamation.

Seed Mix:

Interim Reclamation:

6 lbs Hycrest Crested Wheatgrass

6 lbs Needle & Threadgrass

Final Reclamation:

Seed Mix # 1 3 lbs. Fourwing Saltbush, 3 lbs. Indian Rice Grass, 4 lbs. Hycrest Crested Wheat Grass,
1 lb. Needle & Threadgrass

11. **Surface Ownership:**

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

Ute Tribe

PO Box 70

FT. Duchesne, UT 84026

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.

Lessee's or Operator's Representative:

Jan Nelson
Red Wash Rep.
Questar Exploration & Production, Co.
1571 East 1700 South
Vernal, Utah 84078
(435) 781-4032

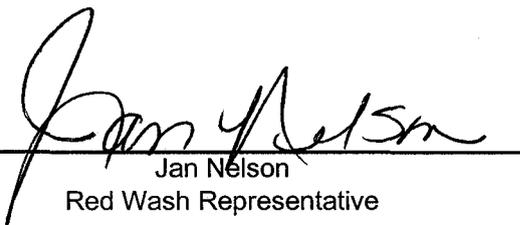
Certification:

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 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 it's 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.



Jan Nelson
Red Wash Representative

01-Feb-07

Date

QUESTAR EXPLR. & PROD.

WV #13AML-15-8-21

LOCATED IN UINTAH COUNTY, UTAH
SECTION 15, T8S, R21E, S.L.B.&M.

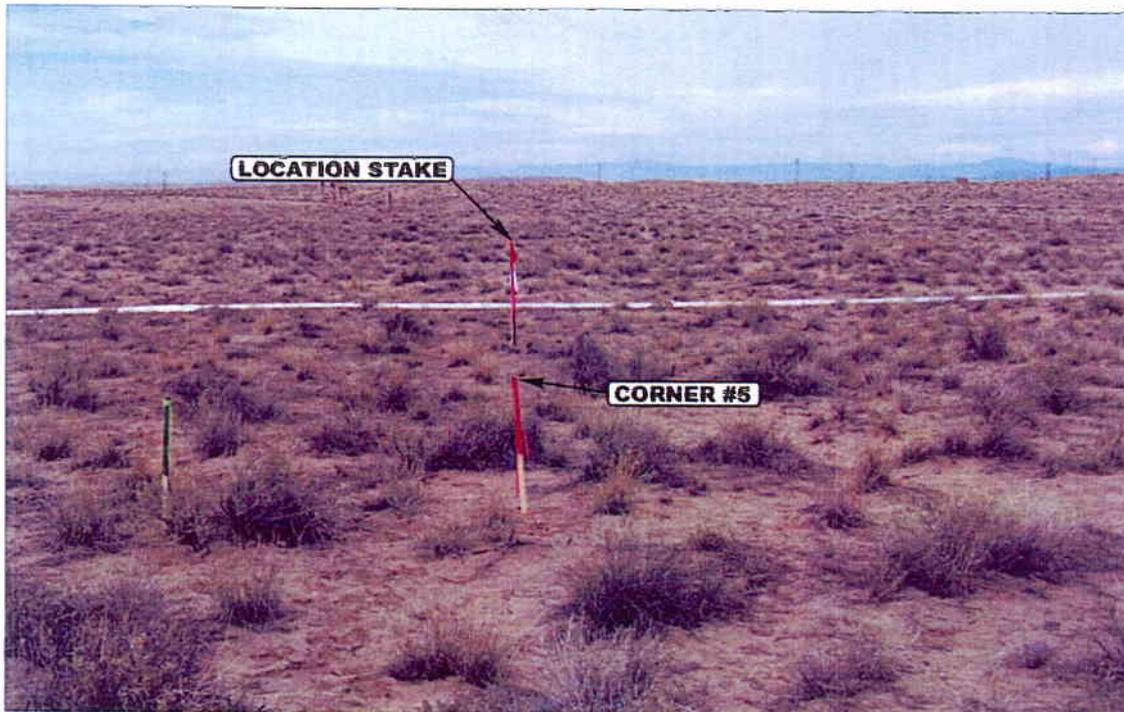


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY



PHOTO: VIEW OF EXISTING ACCESS

CAMERA ANGLE: NORTHEASTERLY



- Since 1964 -

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

LOCATION PHOTOS

10 | 03 | 06
MONTH | DAY | YEAR

PHOTO

TAKEN BY: D.A.

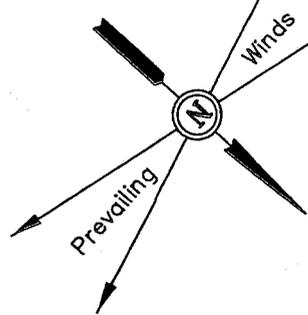
DRAWN BY: L.K.

REVISED: 00-00-00

QUESTAR EXPLR. & PRO.

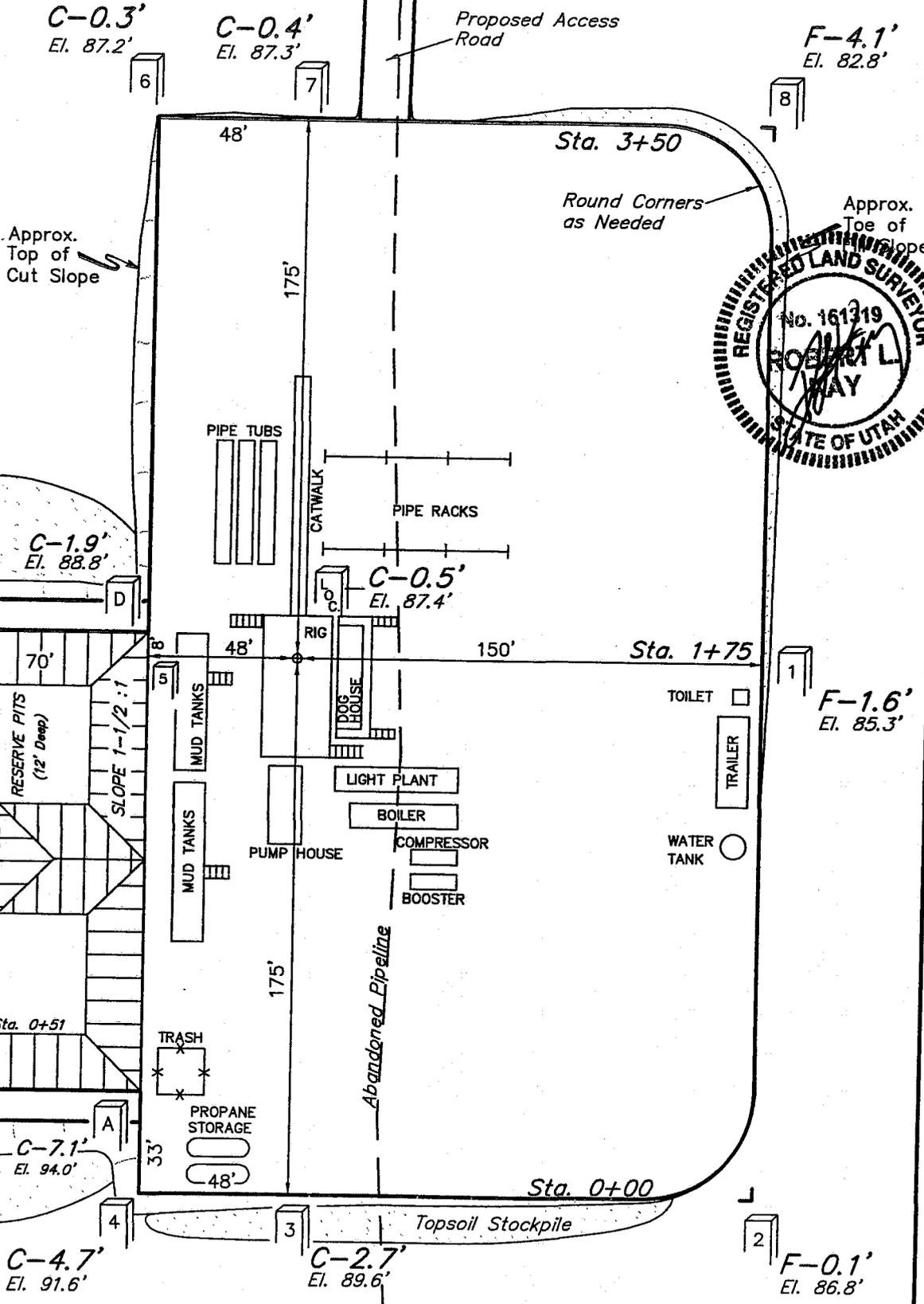
FIGURE #1

LOCATION LAYOUT FOR
 WV #13AML-15-8-21
 SECTION 15, T8S, R21E, S.L.B.&M.
 1340' FSL 1334' FWL



SCALE: 1" = 50'
 DATE: 10-04-06
 Drawn By: D.R.B.

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



NOTES:
 Elev. Ungraded Ground At Loc. Stake = 4787.4'
 FINISHED GRADE ELEV. AT LOC. STAKE = 4786.9'

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

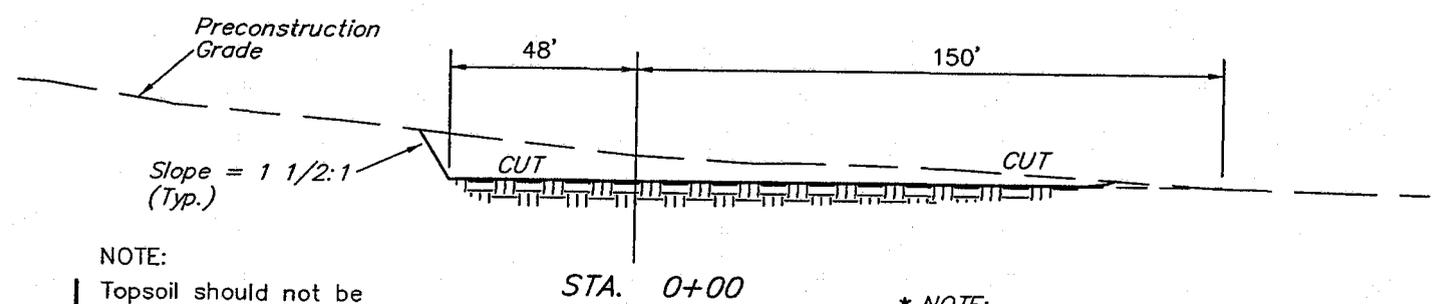
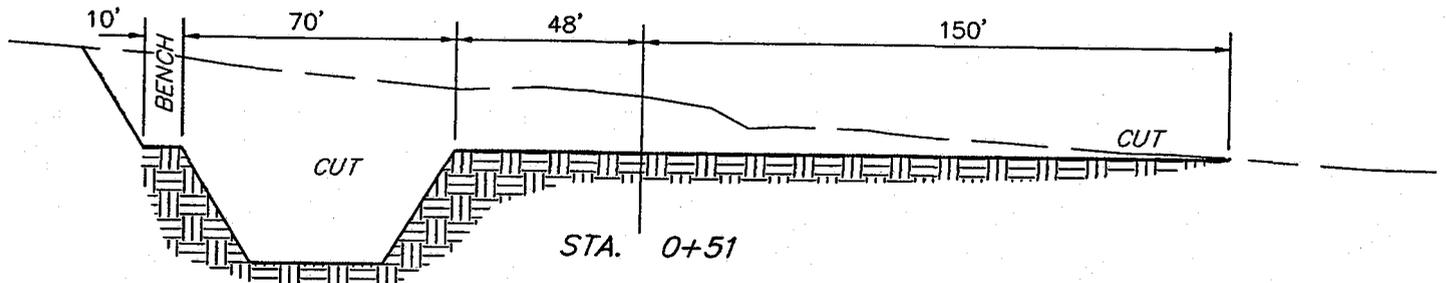
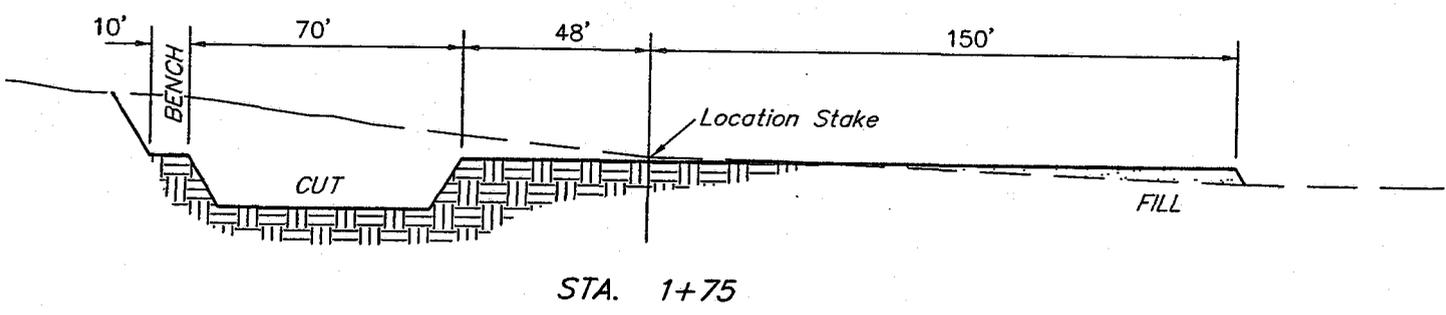
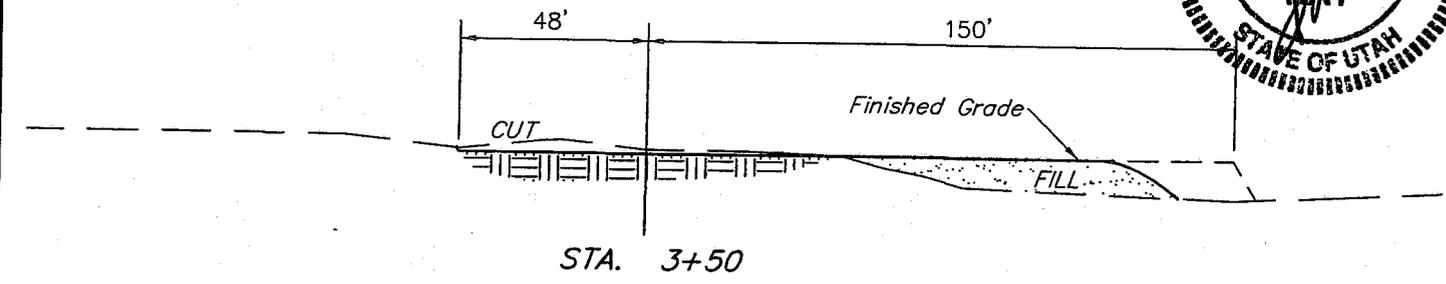
QUESTAR EXPLR. & PROJ.

FIGURE #2

TYPICAL CROSS SECTIONS FOR
 WV #13AML-15-8-21
 SECTION 15, T8S, R21E, S.L.B.&M.
 1340' FSL 1334' FWL

X-Section Scale
 1" = 20'
 1" = 50'

DATE: 10-04-06
 Drawn By: D.R.B.



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

* NOTE:
 FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 3,380 Cu. Yds.
Remaining Location	= 8,180 Cu. Yds.
TOTAL CUT	= 11,560 CU.YDS.
FILL	= 2,770 CU.YDS.

EXCESS MATERIAL	= 8,790 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 4,820 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 3,970 Cu. Yds.

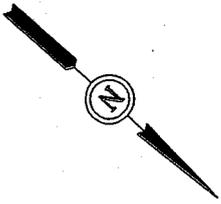
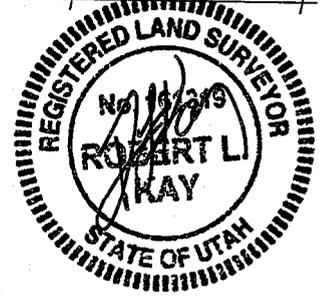
UINTAH ENGINEERING & LAND SURVEYING
 85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

QUESTAR EXPLR. & PRO

INTERIM RECLAMATION PLAN FOR

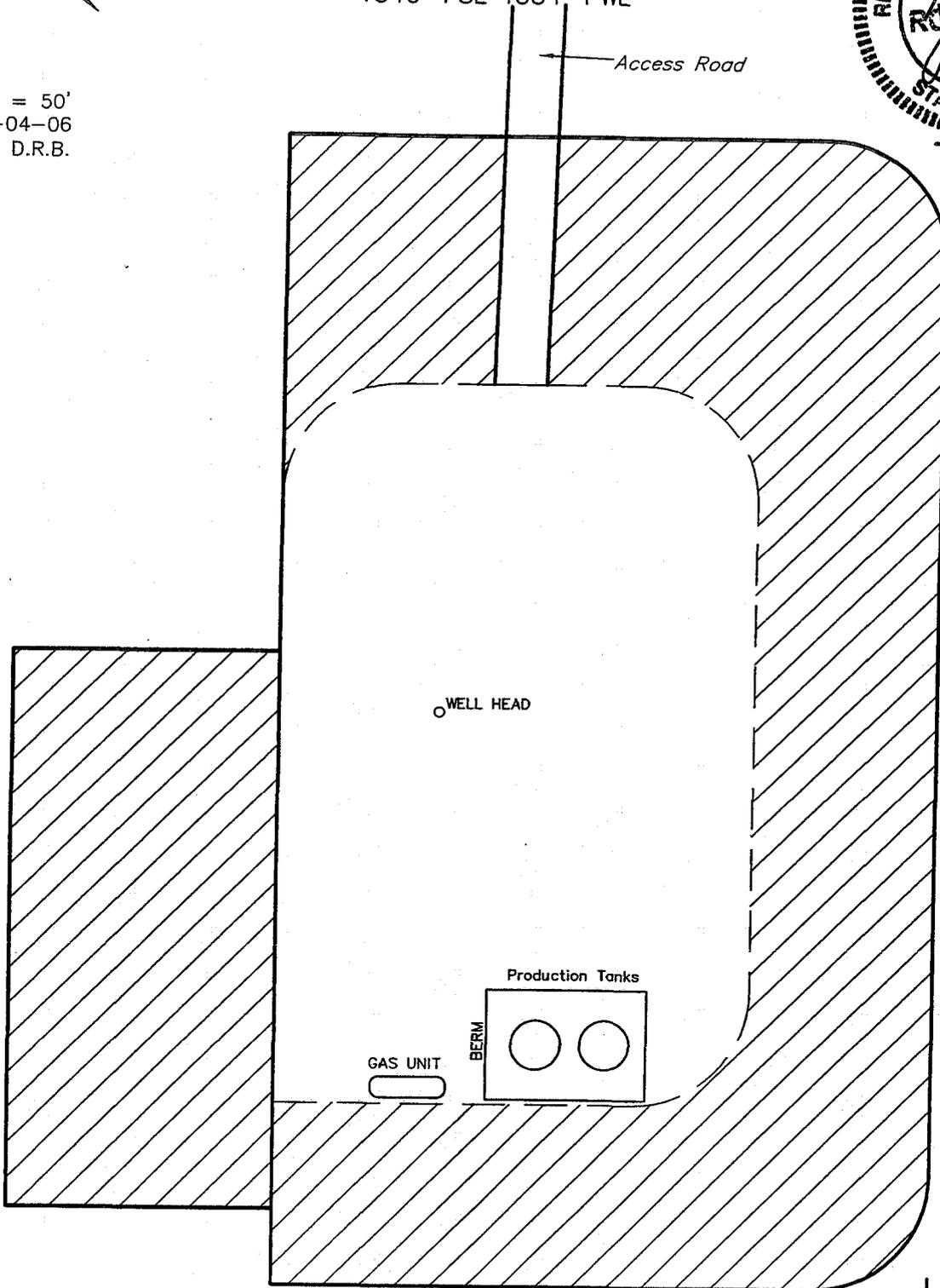
WV #13AML-15-8-21
SECTION 15, T8S, R21E, S.L.B.&M.
1340' FSL 1334' FWL

FIGURE #3

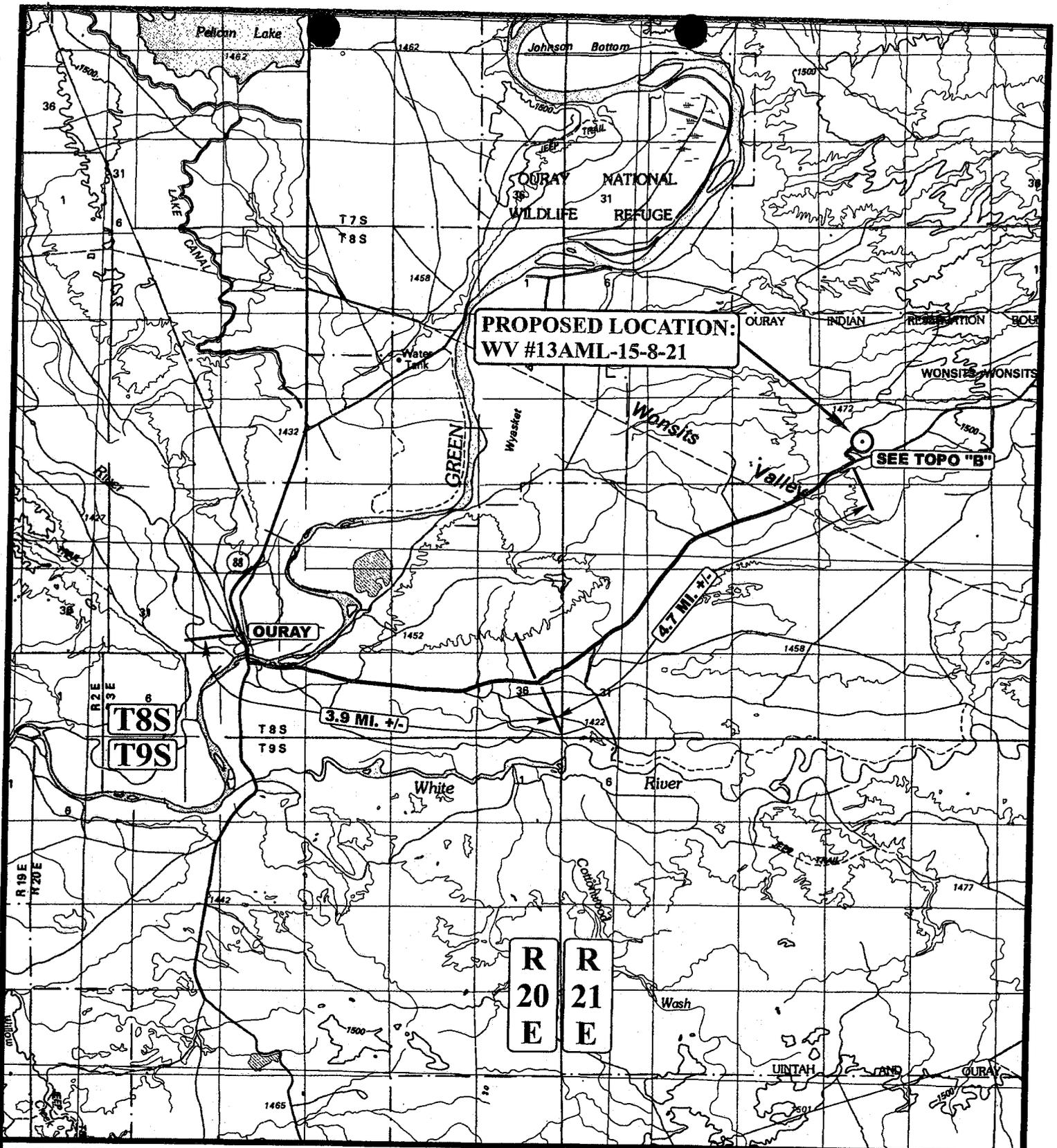


SCALE: 1" = 50'
DATE: 10-04-06
Drawn By: D.R.B.

Access Road



 INTERIM RECLAMATION



**PROPOSED LOCATION:
WV #13AML-15-8-21**

SEE TOPO "B"

**T8S
T9S**

**R
20
E** **R
21
E**

LEGEND:

○ PROPOSED LOCATION

QUESTAR EXPLR. & PROD.

WV #13AML-15-8-21
SECTION 15, T8S, R21E, S.L.B.&M.
1340' FSL 1334' FWL

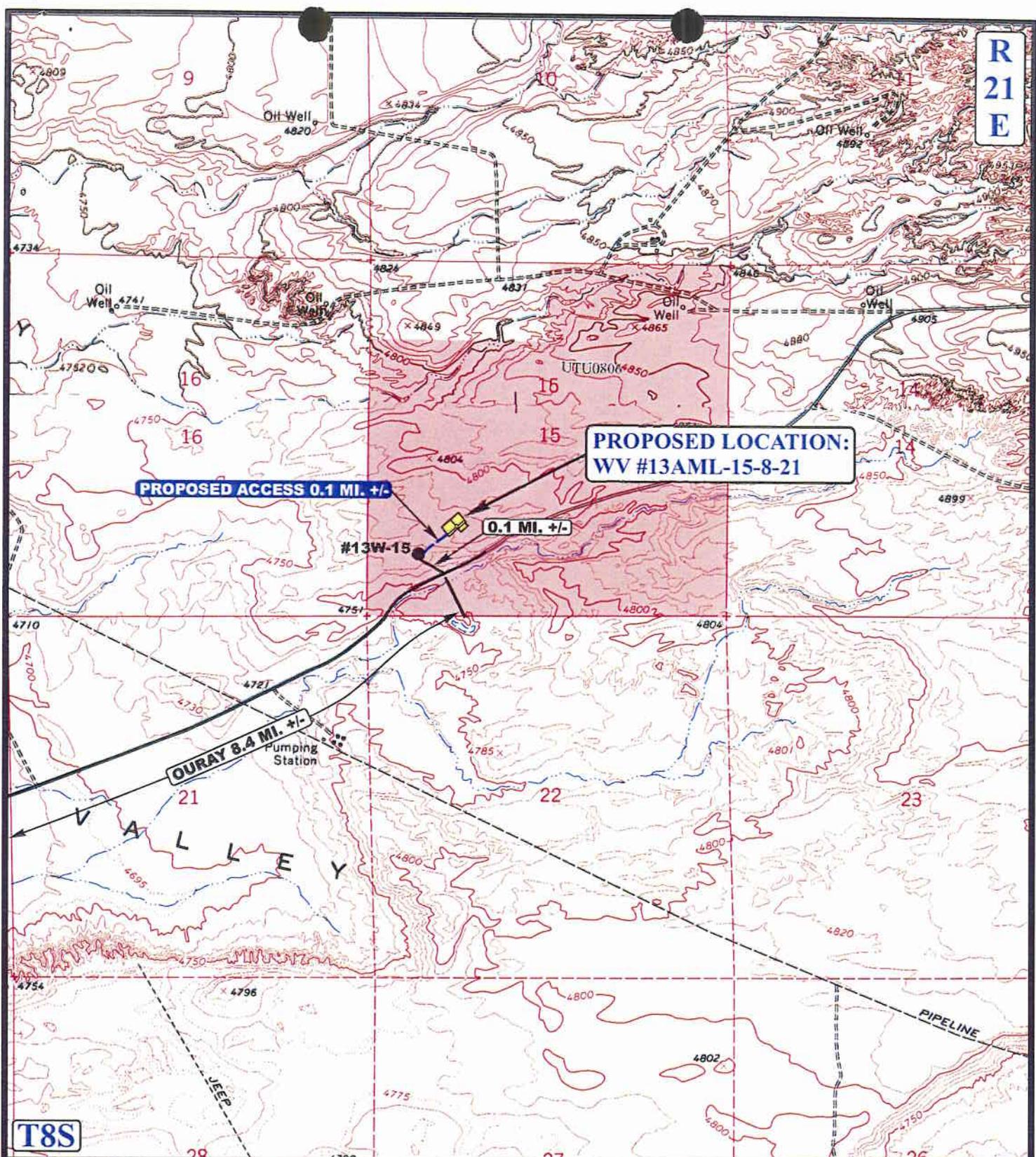


UELS Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC 10 03 06
MAP MONTH DAY YEAR
SCALE: 1:100,000 DRAWN BY: L.K. REVISED: 00-00-00



R
21
E



T8S

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING ROAD



QUESTAR EXPLR. & PROD.

WV #13AML-15-8-21
 SECTION 15, T8S, R21E, S.L.B.&M.
 1340' FSL 1334' FWL



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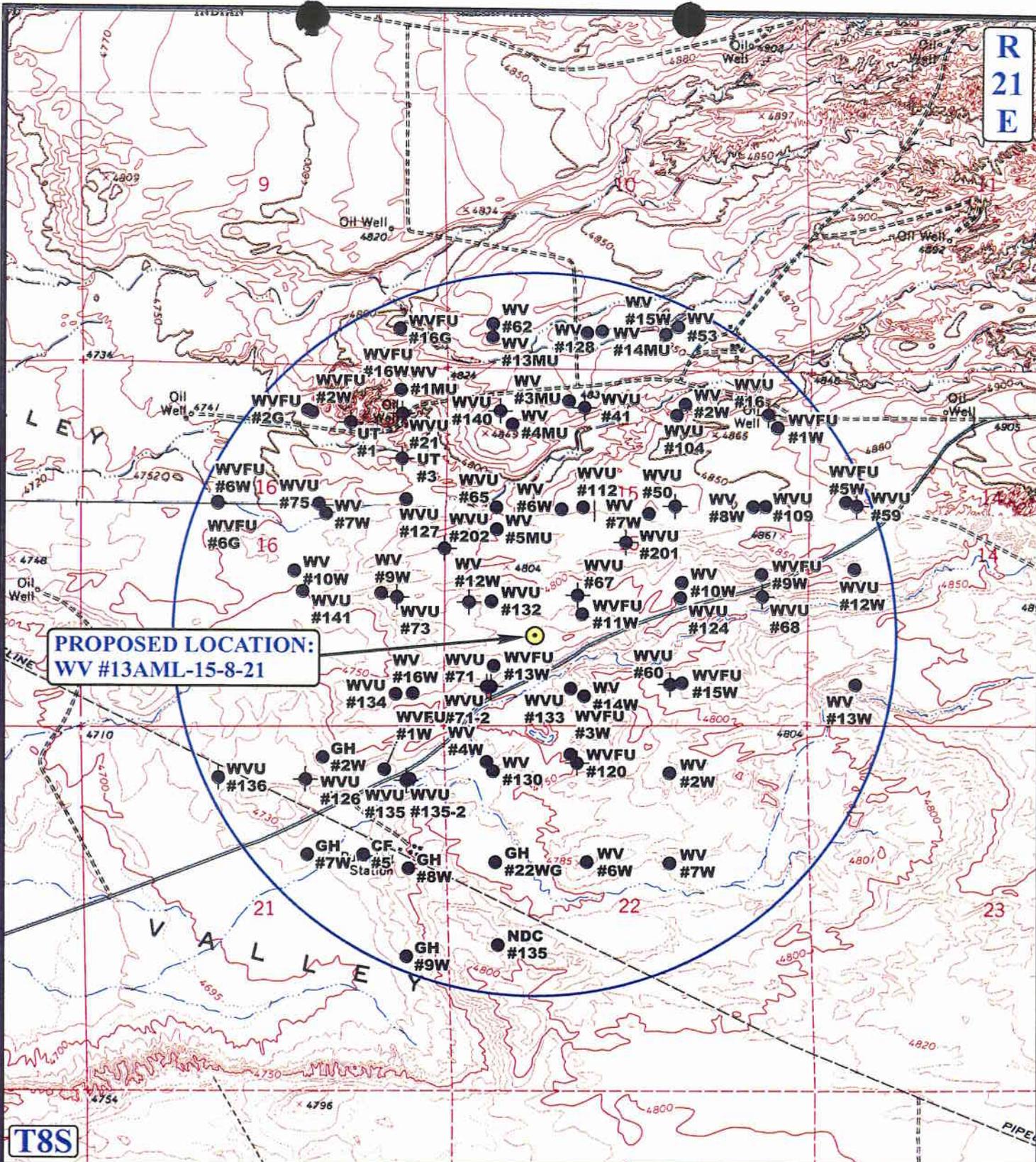
TOPOGRAPHIC
MAP

10	03	06
MONTH	DAY	YEAR

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



R 21 E



PROPOSED LOCATION:
WV #13AML-15-8-21

T8S

LEGEND:

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

QUESTAR EXPLR. & PROD.

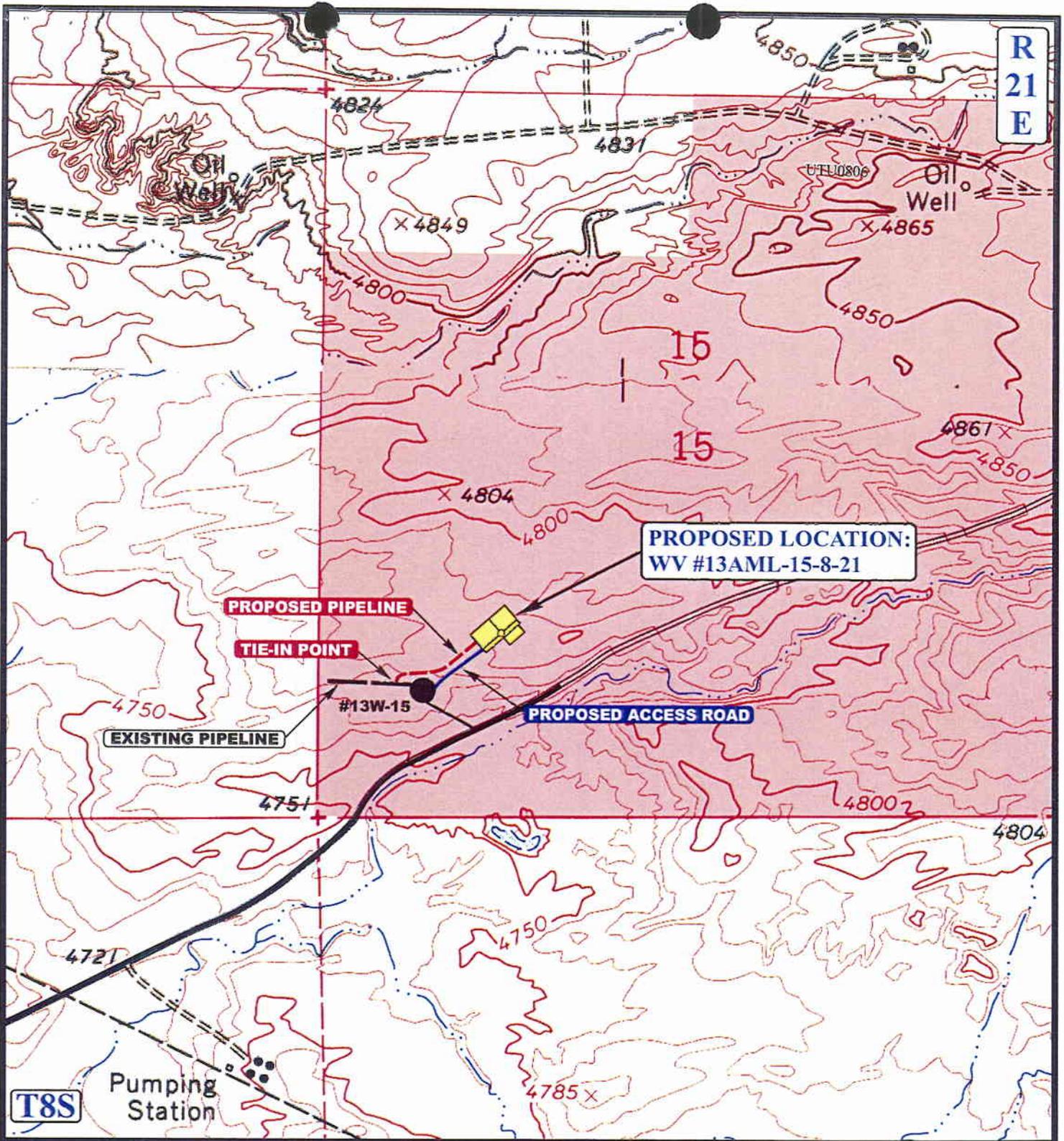
WV #13AML-15-8-21
SECTION 15, T8S, R21E, S.L.B.&M.
1340' FSL 1334' FWL

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



TOPOGRAPHIC MAP 10 03 06
 MONTH DAY YEAR
 SCALE: 1" = 2000' DRAWN BY: L.K. REVISED: 00-00-00

C
TOPO



APPROXIMATE TOTAL PIPELINE DISTANCE = 702' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE
- PROPOSED PIPELINE (SERVICING OTHER WELLS)



QUESTAR EXPLR. & PROD.

WV #13AML-15-8-21
SECTION 15, T8S, R21E, S.L.B.&M.
1340' FSL 1334' FWL

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

TOPOGRAPHIC MAP **10 03 06**
 MONTH DAY YEAR
 SCALE: 1" = 1000' DRAWN BY: L.K. REVISED: 00-00-00

D
TOPO

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 02/05/2007

API NO. ASSIGNED: 43-047-39039

WELL NAME: WV 13AML-15-8-21

OPERATOR: QUESTAR EXPLORATION & (N5085)

PHONE NUMBER: 435-781-4032

CONTACT: JAN NELSON

PROPOSED LOCATION:

SWSW 15 080S 210E
 SURFACE: 1340 FSL 1334 FWL
 BOTTOM: 1340 FSL 1334 FWL
 COUNTY: UINTAH
 LATITUDE: 40.11985 LONGITUDE: -109.5447
 UTM SURF EASTINGS: 624014 NORTHINGS: 4441864
 FIELD NAME: WONSITS VALLEY (710)

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

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-0807

SURFACE OWNER: 2 - Indian

PROPOSED FORMATION: MVRD

COALBED METHANE WELL? NO

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)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

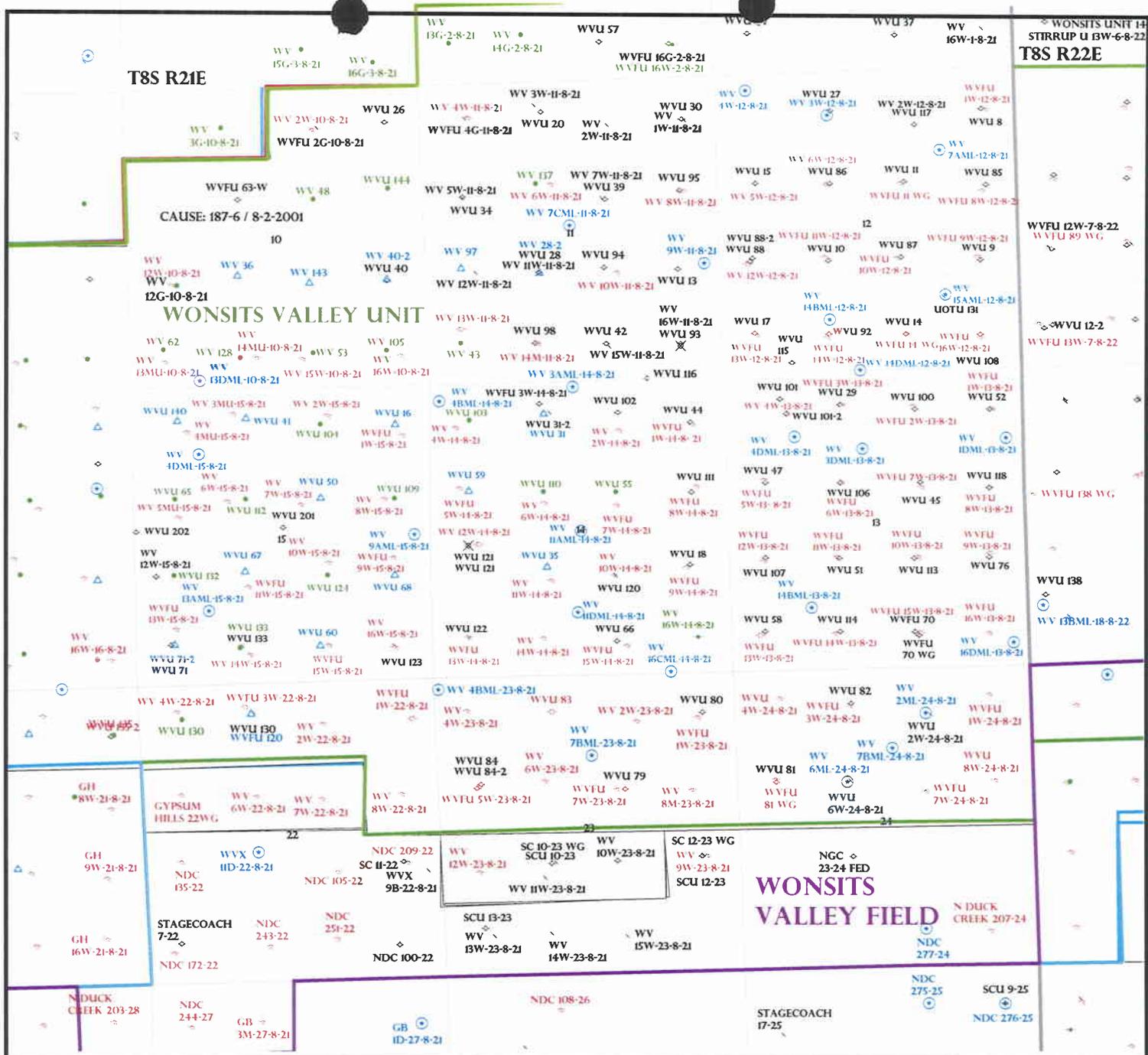
- R649-2-3.
- Unit: WONSITS VALLEY
- R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit
Board Cause No: 187-26
Eff Date: 8-2-2007
Siting: Surface Ground Siting
- R649-3-11. Directional Drill

COMMENTS:

See Separate file

STIPULATIONS:

1-Form for Approval



OPERATOR: QUESTAR EXPL & PROD (N5085)

SEC: 11,12,13,14,15,23 T.8S R. 21E

FIELD: WONSITS VALLEY (710)

COUNTY: UTAH

CAUSE: 187-6 / 8-2-2001

- Field Status**
- ABANDONED
 - ACTIVE
 - COMBINED
 - INACTIVE
 - PROPOSED
 - STORAGE
 - TERMINATED

- Unit Status**
- EXPLORATORY
 - GAS STORAGE
 - NF PP OIL
 - NF SECONDARY
 - PENDING
 - PI OIL
 - PP GAS
 - PP GEOTHERML
 - PP OIL
 - SECONDARY
 - TERMINATED

Wells 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
- DRILLING



PREPARED BY: DIANA MASON
DATE: 8-FEBRUARY-2007

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:

3160

(UT-922)

February 8, 2007

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2007 Plan of Development Wonsits Valley Unit Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2007 within the Wonsits Valley Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
-------	-----------	----------

(Proposed PZ MesaVerde)

43-047-39042	WV 07CML-11-8-21	Sec. 11 T. 8S R. 21E 2608 FNL 2629 FEL
43-047-39035	WV 07AML-12-8-21	Sec. 12 T. 8S R. 21E 1446 FNL 1368 FEL
43-047-39036	WV 14BML-12-8-21	Sec. 12 T. 8S R. 21E 0946 FSL 1962 FWL
43-047-39037	WV 14BML-13-8-21	Sec. 13 T. 8S R. 21E 1125 FSL 1464 FWL
43-047-39038	WV 04BML-14-8-21	Sec. 14 T. 8S R. 21E 0300 FNL 0179 FWL
43-047-39039	WV 13AML-15-8-21	Sec. 15 T. 8S R. 21E 1340 FSL 1334 FWL
43-047-39040	WV 09AML-15-8-21	Sec. 15 T. 8S R. 21E 2609 FSL 0289 FEL
43-047-39041	WV 04BML-23-8-21	Sec. 23 T. 8S R. 21E 0189 FNL 0101 FWL
43-047-39044	WV 07BML-23-8-21	Sec. 23 T. 8S R. 21E 1418 FNL 2559 FEL

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

/s/ Michael L. Coulthard



State of Utah

**Department of
Natural Resources**

MICHAEL R. STYLER
Executive Director

**Division of
Oil, Gas & Mining**

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

February 8, 2007

Questar Exploration & Production, Co.
1571 E 1700 S
Vernal, UT 84078

Re: Wonsits Valley 13AML-15-8-21 Well, 1340' FSL, 1334' FWL, SW SW,
Sec. 15, T. 8 South, R. 21 East, Uintah County, Utah

Gentlemen:

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-39039.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor (via e-mail)
Bureau of Land Management, Vernal District Office

Operator: Questar Exploration & Production, Co.
Well Name & Number Wonsits Valley 13AML-15-8-21
API Number: 43-047-39039
Lease: UTU-0807

Location: SW SW Sec. 15 T. 8 South R. 21 East

Conditions of Approval

1. General

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

2. Notification Requirements

Notify the Division with 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 Dustin Doucet at (801) 538-5281 office
(801) 733-0983 home

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.

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

SUBMIT IN TRIPLICATE*

FORM APPROVED
OMB NO. 1040-0136
Expires: February 28, 1995

5. LEASE DESIGNATION AND SERIAL NO.
UTU-0807

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
UTE TRIBE

7. UNIT AGREEMENT NAME
WONSITS VALLEY UNIT

8. FARM OR LEASE NAME, WELL NO.
WV 13AML-15-8-21

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

TYPE OF WORK
 DRILL DEEPEN

TYPE OF WELL
 SINGLE ZONE MULTIPLE ZONE

OIL WELL GAS WELL OTHER

RECEIVED
JAN 31 2007

2. NAME OF OPERATOR
QUESTAR EXPLORATION & PRODUCTION, CO.

Contact: Jan Nelson
E-Mail: jan.nelson@questar.com

9. API NUMBER:
43104739039

3. ADDRESS
1571 E 1700 S VERNAL, UT 84078

Telephone number
Phone 435-781-4032 Fax 435-781-4045

10. FIELD AND POOL, OR WILDCAT
WONSITS VALLEY

4. LOCATION OF WELL (Report location clearly and in accordance with and State requirements*)
 At Surface 1340' FSL 1334' FWL SWSW SECTION 15 T8S R21E
 At proposed production zone

11. SEC., T, R, M, OR BLK & SURVEY OR AREA
SEC. 15, T8S, R21E Mer SLB

14. DISTANCE IN MILES FROM NEAREST TOWN OR POSTOFFICE*
10 +/- EAST OF OURAY, UTAH

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)
1334' +/-

16. NO. OF ACRES IN LEASE
1280.00

17. NO. OF ACRES ASSIGNED TO THIS WELL
20

18. DISTANCE FROM PROPOSED location to nearest well, drilling, completed, applied for, on this lease, ft
920' +/-

19. PROPOSED DEPTH
11,625'

20. BLM/BIA Bond No. on file
ESB000024

21. ELEVATIONS (Show whether DF, RT, GR, ect.)
4786.9' GR

22. DATE WORK WILL START
ASAP

23. Estimated duration
14 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:
- Well plat certified by a registered surveyor.
 - A Drilling Plan
 - A surface Use Plan (if location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
 - Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
 - Operator certification.
 - Such other site specific information and/or plans as may be required by the authorized officer.

SIGNED Jan Nelson Name (printed/typed) Jan Nelson DATE 2-1-07
 TITLE Regulatory Affairs

PERMIT NO. _____ 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] TITLE Assistant Field Manager
Lands & Mineral Resources DATE 10-9-2007
 *See Instructions On Reverse Side

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

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED
RECEIVED

OCT 11 2007

DIV. OF OIL, GAS & MINING

CONFIDENTIAL

No NOS
07PP2709A



**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE**

170 South 500 East VERNAL, UT 84078 (435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Questar Exploration & Production Co. **Location:** SWSW, Sec 15, T8S, R21E
Well No: WV 13AML-15-8-21 **Lease No:** UTU-0807
API No: 43-047-39039 **Agreement:** Wonsits Valley Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
NRS/Enviro Scientist:	Paul Buhler	(435) 781-4475	(435) 828-4029
NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	
NRS/Enviro Scientist:		(435) 781-4476	
NRS/Enviro Scientist:	Chuck MacDonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Jannice Cutler	(435) 781-3400	(435) 828-3544
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545

Fax: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify NRS/Enviro Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify NRS/Enviro Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supervisory Petroleum Technician)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings
BOP & Related Equipment Tests (Notify Supervisory Petroleum Technician)	-	Twenty-Four (24) hours prior to initiating pressure tests
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days

**SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

Surface COAs:

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

Additional Stipulations:

- A 30 foot corridor right-of-way shall be approved. Upon completion of each pipeline in corridor, they shall be identified and filed with the Ute Tribe.
- A qualified Archaeologist accompanied by a Tribal Technician will monitor trenching construction of pipeline.
- The Ute Tribe Energy & Minerals Department is to be notified, in writing 48 hours prior to construction of pipeline.
- Construction Notice shall be given to the department on the Ute Tribe workdays, which are Monday through Thursday. The Company understands that they may be responsible for costs incurred by the Ute Tribe after hours.
- The Company shall inform contractors to maintain construction of pipelines within the approved ROWs.
- The Company shall assure the Ute Tribe that "ALL CONTRACTORS, INCLUDING SUB-CONTRACTORS, LEASING CONTRACTORS, AND ETC." have acquired a current and valid Ute Tribal Business License and have "Access Permits" prior to construction, and will have these permits in all vehicles at all times.
- You are hereby notified that working under the "umbrella" of a company does not allow you to be in the field, and can be subject to those fines of the Ute Tribe Severance Tax Ordinance.
- Any deviation of submitted APDs and ROW applications the Companies will notify the Ute Tribe and BIA in writing and will receive written authorization of any such change with appropriate authorization.
- The Company will implement "Safety and Emergency Plan." The Company's safety director will ensure its compliance.
- All Company employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APDs and/or ROW permits/authorizations on their person(s) during all phases of construction.

- All vehicular traffic, personnel movement, construction/restoration operations should be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- All personnel should refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area.
- The personnel from the Ute Tribe Energy & Minerals Department should be notified should cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease.
- All mitigative stipulations contained in the Bureau of Indian Affairs Site Specific Environmental Assessment (EA) will be strictly adhered.
- Upon completion of Application for Corridor Right-Way, the company will notify the Ute Tribe Energy & Minerals Department, so that a Tribal Technician can verify Affidavit of Completion.
- Paint tanks Desert Tan
- Use rock and gravel as necessary
- For any other additional stipulations, see concurrence letter.

DOWNHOLE CONDITIONS OF APPROVAL

SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL

- A surface casing shoe integrity test shall be performed.
- Production casing cement shall be at a minimum 200' above the surface shoe.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0807
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE INDIAN TRIBE
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		7. UNIT or CA AGREEMENT NAME: WONSITS VALLEY UNIT
		8. WELL NAME and NUMBER: WV 13AML-15-8-21
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____	9. API NUMBER: 4304739039	
2. NAME OF OPERATOR: QUESTAR EXPLORATION & PRODUCTION CO.		10. FIELD AND POOL, OR WILDCAT: WONSITS VALLEY
3. ADDRESS OF OPERATOR: 11002 E. 17500 S. CITY VERNAL STATE UT ZIP 84078	PHONE NUMBER: (435) 781-4331	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1340' FSL 1334' FWL		COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN SWSW 15 8S 21E		STATE: UTAH

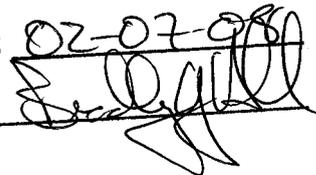
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> 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: APD EXTENSION
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

Please be advised that the state APD for the above captioned well will expired on February 8, 2008. Questar Exploration and Production Company respectfully requests a one year extension.

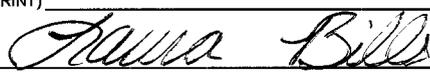
Approved by the
Utah Division of
Oil, Gas and Mining

Date: 02-07-2008
By: 

COPY SENT TO OPERATOR

Date: 2-7-2008

Initials: KS

NAME (PLEASE PRINT) <u>Laura Bills</u>	TITLE <u>Regulatory Affairs</u>
SIGNATURE 	DATE <u>2/4/2008</u>

(This space for State use only)

RECEIVED
FEB 05 2008
CONFIDENTIAL
DIV. OF OIL, GAS & MINING

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

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

API: 43-047-39039
Well Name: WV 13AML-15-8-21
Location: 1340' FSL 1334' FWL, SWSW, SEC. 15, T8S, R21E
Company Permit Issued to: Questar Exploration & Production Co.
Date Original Permit Issued: 2/8/2007

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

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

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

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

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

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

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

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

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


Signature

2/4/2008

Date

Title: REGULATORY AFFAIRS

Representing: Questar Exploration & Production Co.

RECEIVED
FEB 05 2008
DIV. OF OIL, GAS & MINING

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0807
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: UTE INDIAN TRIBE
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1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____	8. WELL NAME and NUMBER: WV 13AML-15-8-21	
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QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN SWSW 15 8S 21E		STATE: UTAH

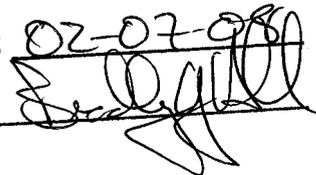
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TYPE OF SUBMISSION	TYPE OF ACTION		
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please be advised that the state APD for the above captioned well will expired on February 8, 2008. Questar Exploration and Production Company respectfully requests a one year extension.

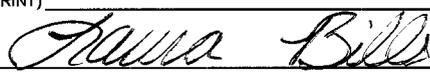
Approved by the
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Oil, Gas and Mining

Date: 02-07-2008
By: 

COPY SENT TO OPERATOR

Date: 2-7-2008

Initials: KS

NAME (PLEASE PRINT) <u>Laura Bills</u>	TITLE <u>Regulatory Affairs</u>
SIGNATURE 	DATE <u>2/4/2008</u>

(This space for State use only)

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DIV. OF OIL, GAS & MINING

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

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

API: 43-047-39039
Well Name: WV 13AML-15-8-21
Location: 1340' FSL 1334' FWL, SWSW, SEC. 15, T8S, R21E
Company Permit Issued to: Questar Exploration & Production Co.
Date Original Permit Issued: 2/8/2007

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

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

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

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

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

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

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

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



Signature

2/4/2008

Date

Title: REGULATORY AFFAIRS

Representing: Questar Exploration & Production Co.

RECEIVED
FEB 05 2008
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 reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
UTU-0807

6. If Indian, Allottee or Tribe Name
UTE INDIAN TRIBE

7. If Unit or CA/Agreement, Name and/or No.
WONSITS VALLEY UNIT

8. Well Name and No.
WV 13AML-15-8-21

9. API Well No.
43-047-39039

10. Field and Pool, or Exploratory Area
WONSITS VALLEY

11. County or Parish, State
UINTAH

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
QUESTAR EXPLORATION & PRODUCTION, CO. Contact: Jan Nelson

3a. Address **11002 E. 17500 S. VERNAL, UT 84078**
3b. Phone No. (include area code) **435-781-4331**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1340' FSL, 1334' FWL, SWSW, SECTION 15, T8S, R21E

12. CHECK APPROPRIATE BOX(ES) 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"/> Acidize <input checked="" type="checkbox"/> Deepen <input type="checkbox"/> Production (Start/Resume) <input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Reclamation <input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair <input type="checkbox"/> New Construction <input type="checkbox"/> Recomplete <input checked="" type="checkbox"/> Other <u>NAME CHANGE</u>
	<input checked="" type="checkbox"/> Change Plans <input type="checkbox"/> Plug and Abandon <input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection <input type="checkbox"/> Plug Back <input type="checkbox"/> Water Disposal

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

QUESTAR EXPLORATION AND PRODUCTION COMPANY (QEP) REQUEST PERMISSION TO CHANGE THE DRILLING PLANS, INCREASE TOTAL DEPTH FROM 11,625' TO 16,962' FOR THIS WELL AND TO USE OIL BASE MUD FOR THE DRILLING OF THE FINAL SECTION OF THIS WELL TO IMPROVE DRILLING EFFICIENCY, WELLBORE STABILITY AND TO PROMOTE A GOOD CEMENT JOB OF THE PRODUCTION CASING. ATTACHED IS A DRILLING PLAN, WELLBORE DIAGRAM, DRILLING FLUID PROPOSAL AND A PROPOSAL FOR PROCESSING AND DISPOSAL OF THE OIL BASE MUD.

QEP IS REQUESTING TO CHANGE THE WELL NAME FROM WV 13AML-15-8-21 TO WV 13A-15-8-21.

QUESTAR EXPLORATION & PRODUCTION COMPANY (QEP) WILL PROVIDE THE PROPER PAPER WORK TO THE BUREAU OF INDIAN AFFAIRS AND UTE TRIBE.

FOR TECHNICAL QUESTIONS, PLEASE CONTACT JIM DAVIDSON, CHIEF DRILLING ENGINEER FOR QEP, AT (303) 308-3090.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed) Jan Nelson	Title Regulatory Affairs
Signature <i>Jan Nelson</i>	Date June 26, 2008

THIS SPACE FOR FEDERAL OR STATE USE

Approved by <i>Bradley G. Hill</i>	Title BRADLEY G. HILL	Date 07-07-08
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office ENVIRONMENTAL MANAGER	

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.

COPY SENT TO OPERATOR

Date: **7.9.2008**

Initials: **KS**

Federal Approval of this Action is Necessary

RECEIVED

JUN 30 2008

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:

<u>Formation</u>	<u>Depth</u>
Uinta	Surface
Green River	2,612'
Wasatch	6,012'
Mesaverde	9,212'
Sego	11,562'
Castlegate	11,712'
Blackhawk	12,040'
Mancos Shale	12,496'
Mancos B	12,920'
Frontier	15,972'
Dakota Silt	16,552'
Dakota	16,762'
TD	16,962'

2. Anticipated Depths of Oil Gas Water and Other Mineral Bearing Zones

The estimated depths at which the top and bottom of the anticipated water, oil, gas. Or other mineral bearing formations are expected to be encountered are as follows:

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
Gas	Wasatch	6,012'
Gas	Mesaverde	9,212'
Gas	Blackhawk	12,040'
Gas	Mancos Shale	12,496'
Gas	Mancos B	12,920'
Gas	Dakota	16,762'

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 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 # A36125 (which was filed on May 7, 1964,) or Red Wash water right # 49-2153 (which was filed on March 25, 1960). It was determined by the Fish and Wildlife Service that any water right number filed before 1989 is not depleting to the Upper Colorado River System, to supply fresh water for drilling purposes. All water resulting from drilling operations will be disposed of at Red Wash Central Battery Disposal Site; SWSE, Section 27, T7S, R23E or Wonsits Valley Disposal Site; SWNW, Section 12, T8S, R21E.

3. Operator's Specification for Pressure Control Equipment:

- A. 13-5/8" 5000 psi double gate, 5,000 psi annular BOP (schematic included) from surface hole to 9-5/8" casing point. A 13-5/8" 10,000 psi double and single gate may be substituted based on contractor availability and substructure height of the drilling rig.
- B. 11" or 13-5/8" 10,000 psi double gate, 10,000 psi single gate, 10,000 psi annular BOP (schematic included) from 9-5/8" casing point to total depth. The choice of BOP stacks is based on the drilling contractor's availability.
- C. Functional test daily
- D. All casing strings shall be pressure tested (0.2 psi/foot or 1500 psi, whichever is greater) prior to drilling the plug after cementing; test pressure shall not exceed the internal yield pressure of the casing.
- E. 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 10M system and individual components shall be operable as designed.

DRILLING PROGRAM

4. **Casing Design:**

Hole Size	Csg. Size	Top (MD)	Bottom (MD)	Mud Weight	Wt. lb/ft	Grade	Thread	Cond.
26"	20"	sfc	40-60'	N/A	Steel	Cond.	None	Used
17-1/2"	13-3/8"	sfc	500'	N/A	54.5	K-55	STC	New
12-1/4"	9-5/8"	sfc	4,352'	9.2	47	HCP-110	Flush Jnt **	New
8-1/2"	7"	Surface	9,000'		26	HCP-110	LTC	New
8-1/2"	7"	9000'	12,596'	13.5	29 SDrift *	HCP-110	LTC	New
6-1/8"	4-1/2"	sfc	13,000'		15.1	P-110	LTC	New
6-1/8"	4-1/2"	13,000'	15,000'		15.1	Q-125	LTC	New
6-1/8"	4-1/2"	15,000'	16,962'	15.1	16.6	Q-125	LTC	New

Casing Strengths:				Collapse	Burst	Tensile (minimum)
13-3/8"	54.5 lb.	K-55	STC	1,130 psi	2,730 psi	547,000 lb.
9-5/8"	47 lb.	HCP-110	LTC	7,100 psi	9,440 psi	1,213,000 lb.
7"	26 lb.	HCP-110	LTC	7,800 psi	9,950 psi	693,000 lb.
7"	29 lb.*	HCP-110	LTC	9,200 psi	11,220 psi	797,000 lb.
4-1/2"	15.1 lb.	P-110	LTC	14,350 psi	14,420 psi	406,000 lb.
4-1/2"	15.1 lb.	Q-125	LTC	15,840 psi	16,380 psi	438,000 lb.
4-1/2"	16.6 lb.	Q-125	LTC	19,010 psi	18,130 psi	493,000 lb.

* **Special Drift**

** **Flush Jnt – VAM SLIJ II or LT&C based on availability**

MINIMUM DESIGN FACTORS:

COLLAPSE: 1.125
 BURST: 1.10
 TENSION: 1.80

DRILLING PROGRAM

Area Fracture Gradient: 0.9 psi/foot
Maximum anticipated mud weight: 15.1 ppg
Maximum surface treating pressure: 12,500 psi

5. **Cementing Program**

20" Conductor:

Cement to surface with construction cement.

13-3/8" Surface Casing: sfc – 500' (MD)

Slurry: 0' – 500'. 610 sxs (731 cu ft) Premium cement + 0.25 lbs/sk Flocele + 2% CaCl₂.
Slurry wt: 15.6 ppg, slurry yield: 1.20 ft³/sx, slurry volume: 17-1/2" hole + 100% excess.

9-5/8" Intermediate Casing: sfc – 4,352' (MD)

Lead Slurry: 0' – 3,852'. 1108 sks (290 bbls) Foamed Lead 50/50 Poz cement + 0.1 % FDP-C766-05 (Low Fluid Loss Control) + 5 #/sx Silicate Compacted + 20 % SSA-1 + 0.1 % Versaset + 1.5 % Zonesealant 2000 (foamer) Slurry wt: 14.3 ppg, (unfoamed) or 11.0 ppg (foamed). Slurry yield: 1.47 ft³/sk (unfoamed), Slurry volume: 12-1/4" hole + 35% excess.

Tail Slurry: 3,852' – 4,352'. 115 sks (30 bbls) Tail 50/50 Poz cement + 0.1 % FDP-C766-05 (Low Fluid Loss Control) + 5 #/sx Silicate Compacted + 20 % SSA-1 + 0.1 % Versaset. Slurry wt: 14.3 ppg, Slurry yield: 1.47 ft³/sk, Slurry volume: 12-1/4" hole + 35% excess.

7" Intermediate Casing: sfc - 12,596' (MD)

Foamed Lead Slurry 2: 0' – 12,096'. 1409 sks 2070 cu ft) 0.1% HALAD-766 (Low Fluid Loss Control); Slurry Yield: 1.47 ft³/sk; 5 lbm/sk Silicalite Compacted (Light Weight Additive) Total Mixing Fluid: 6.40 Gal/sk; 20 % SSA-1 (Heavy Weight Additive); 0.1 % Versaset (Thixotropic Additive); 1.5 % FDP-C760-04 (Foamer) 35% excess.

Tail Slurry: 12,096' – 12,596'. 60 sks (79.3 cu ft) 0.1% HALAD-766 (Low Fluid Loss Control) Slurry Yield: 1.47 ft³/sk; 5 lbm/sk Silicalite Compacted (Light Weight Additive) Total Mixing Fluid: 6.40 Gal/sk; 20 % SSA-1 (Heavy Weight Additive); 0.1% Versaset (Thixotropic Additive); 1.5% FDP-C760-04 (Foamer).

4-1/2" Production Casing: sfc - 16,962' (MD)

Lead/Tail Slurry: 6,000' - 16,962'. 935 sks (1394 cu ft) Premium Cement + 17.5% SSA-1, + 4% Microbond HT, + 0.2% Halad 344 + 0.5% Halad 413, + 0.3% CFR-3, + 0.9% HR-12, + 0.2% Super CBL, + 0.2% Suspend HT, 17.5% SSA-2. Slurry wt: 16.2 ppg, Slurry yield: 1.49 ft³/sk, Slurry volume: 6-1/8" hole + 35% in open hole section.

*Final cement volumes to be calculated from caliper log with an attempt to be made to circulate cement to the surface on the intermediate strings and 6,000' on the production string. A bond log will be run across the zone of interest and across zones as required by the authorized officer to insure protection of natural resources.

DRILLING PROGRAM

6. Auxiliary Equipment

- A. Kelly Cock – yes
- B. Float at the bit – yes
- 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. Request for Variance

Drilling surface hole with air:

A variance from 43 CFR 3160 Onshore Oil and Gas Order #2, Section III Requirements, subsection E. Special Drilling Operations is requested for the specific operation of drilling and setting surface casing on the subject well with a truck mounted air rig. The variance from the following requirements of Order #2 is requested because surface casing depth for this well is 500 feet and high pressures are not expected.

1. **Properly lubricated and maintained rotating head** – A diverter system in place of a rotating head. The diverter system forces the air and cutting returns to the reserve pit and is used to drill the surface casing.
2. **Blooiie line discharge 100 feet from wellbore and securely anchored** – the blooiie line discharge for this operation will be located 50 to 70 feet from the wellhead. This reduced length is necessary due to the smaller location size to minimize surface disturbance.
3. **Automatic ignitor or continuous pilot light on blooiie line** – a diffuser will be used rather than an automatic pilot/ignitor. Water is injected into the compressed air and eliminates the need for a pilot light and the need for dust suppression equipment.
4. **Compressors located in the opposite direction from the blooiie line a minimum of 100 feet from the wellbore** – compressors located within 50 feet on the opposite side of the wellbore from the blooiie line and is equipped with a 1) emergency kill switch on the driller's console, 2) pressure relief valves on the compressors, 3) spark arrestors on the motors.

DRILLING PROGRAM

- G. All other operations and equipment for air/gas drilling shall meet specifications in Onshore Order #2, Section III Requirements, subsection E. Special Drilling Operations and Onshore Order #1.

Surface hole will be drilled with air, air/mist, foam, or mud depending on hole conditions. Intermediate holes will be with water based drilling fluids consisting primarily of fresh water, bentonite, lignite, caustic, lime, soda ash and polymers. The production hole will be drilled with oil base mud (OBM). No chromates will be used. Maximum anticipated mud weight is 15.1 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.

7. **Testing, logging and coring program**

- A. Cores – none anticipated
- B. DST – none anticipated
- C. Logging – Mud logging – 2500' to TD
GR-SP-Induction, Neutron Density, FMI
- D. Formation and Completion Interval: Mancos interval, final determination of completion will be made by analysis of logs.
Stimulation – Stimulation will be designed for the particular area of interest as encountered.

8. **Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards**

No abnormal temperatures or pressures are anticipated. No H₂S has been encountered in or known to exist from previous wells drilled to similar depths in the general area. Maximum anticipated bottom hole pressure equals approximately 12,800 psi. Maximum anticipated bottom hole temperature is 310° F.

DRILLING PROGRAM

9. Additional Information For Oil Base Mud

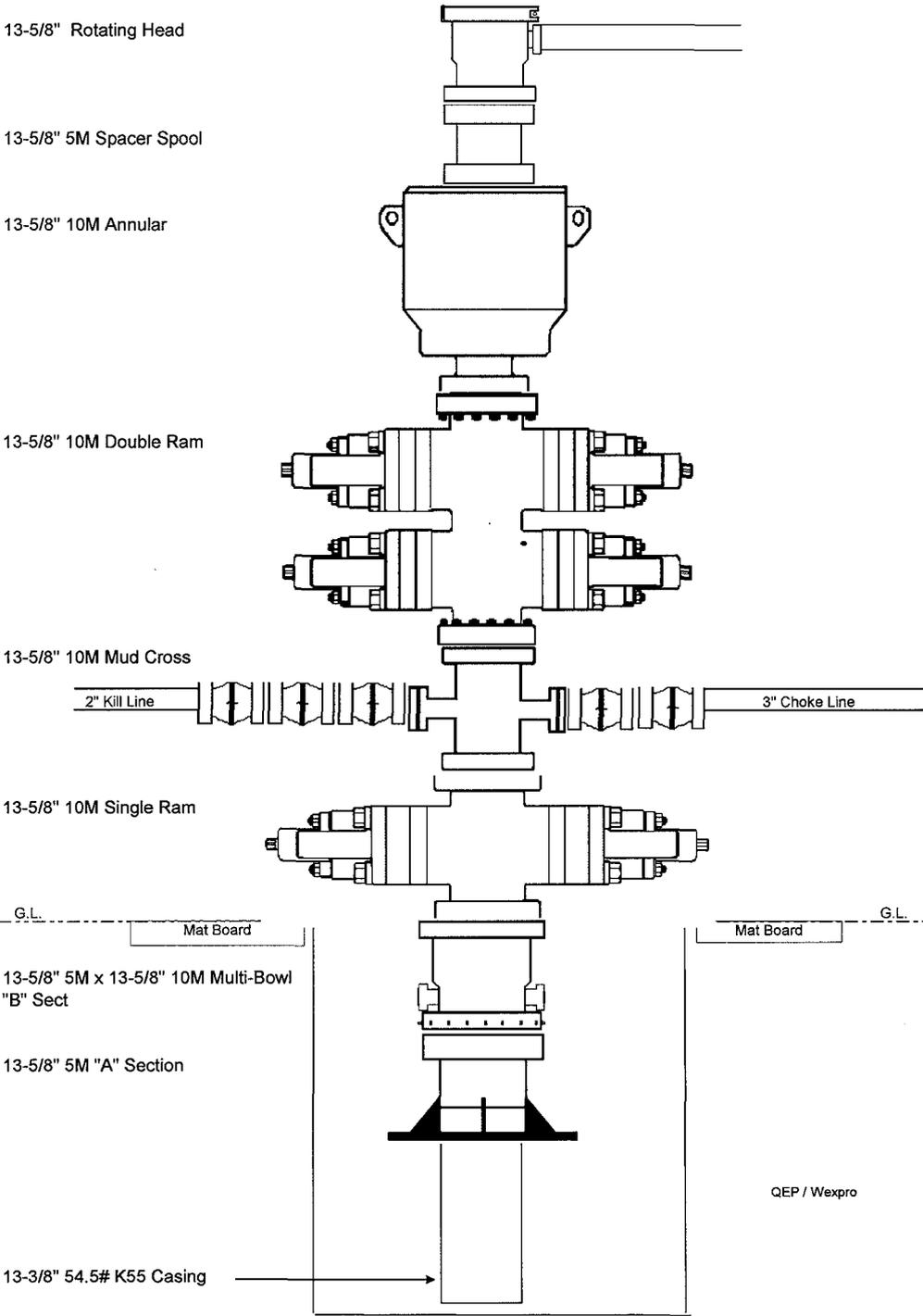
- A.** See attached diagram of well pad layout. A reserve pit will be constructed for this location. This pit will be constructed so that a minimum of two vertical feet of freeboard exists above the top of the pit at all times and at least one-half of the holding capacity will be below ground level. The pit will be lined with a synthetic reinforced liner, 30 millimeters thick, with sufficient bedding used to cover any rocks prior to putting any fluids into the pit. The pad will be designed so that runoff from adjacent slopes does not flow into the reserve pit. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. At the beginning of drilling operations this reserve pit will have an open-ended dike placed in the pit that allows the fluids to migrate from one side of the pit to the other during the drilling of the surface and intermediate hole using water based mud. At the time that operations begin to drill the production hole with oil base mud, this dike will be extended, dividing the pit into two distinct, isolated halves allowing no migration of fluids from one side to the other. At that time all fluids will be removed from the end of the pit to be used as a cuttings pit. This cuttings pit will be used for oil based cuttings generated during drilling of the production hole.
- B.** Oil-base mud will be mixed in the closed circulating system and transferred to four 500-bbl tanks on location for storage prior to and after drilling operations. Drip pans will be installed below the rotary beams on the substructure and can be viewed on site from the cellar area. As the production section of the hole is drilled, the cuttings transported to the surface with the drilling fluid will be mechanically separated from the drilling fluid as waste by two shale-shakers and then cleaned/dried via a mud cleaner and/or centrifuge. These separated cuttings will be transferred to the cuttings pit nearest the shakers and stored in this cuttings pit for solidification after the rig is released and moved off location.
- C.** The means to transport the cuttings from the solids control equipment to the OBM cuttings pit will be by 10" PVC pipe or equivalent steel piping. Water will be pumped to the solids control equipment and will convey the OBM cuttings from the solids control equipment to the OBM cuttings pit via the PVC pipe. The water will be recycled multiple times from the cuttings pit to continue to transport the cuttings to the cuttings pit. The conveyance system will be enclosed on the solids control end to prevent spills. The conveyance piping system at the cuttings pit end will be placed on top of a pit liner to eliminate absorption of fluids into the soil.
- D.** Plastic material will underlay the rig, oil base mud/diesel storage tanks and mud pits. All tanks on location will be placed inside of berms. Any oily waste fluids and sediments generated at the work site during drilling operations or when cleaning the fluid containment system after drilling will also be placed into the cuttings half of the pit.

DRILLING PROGRAM

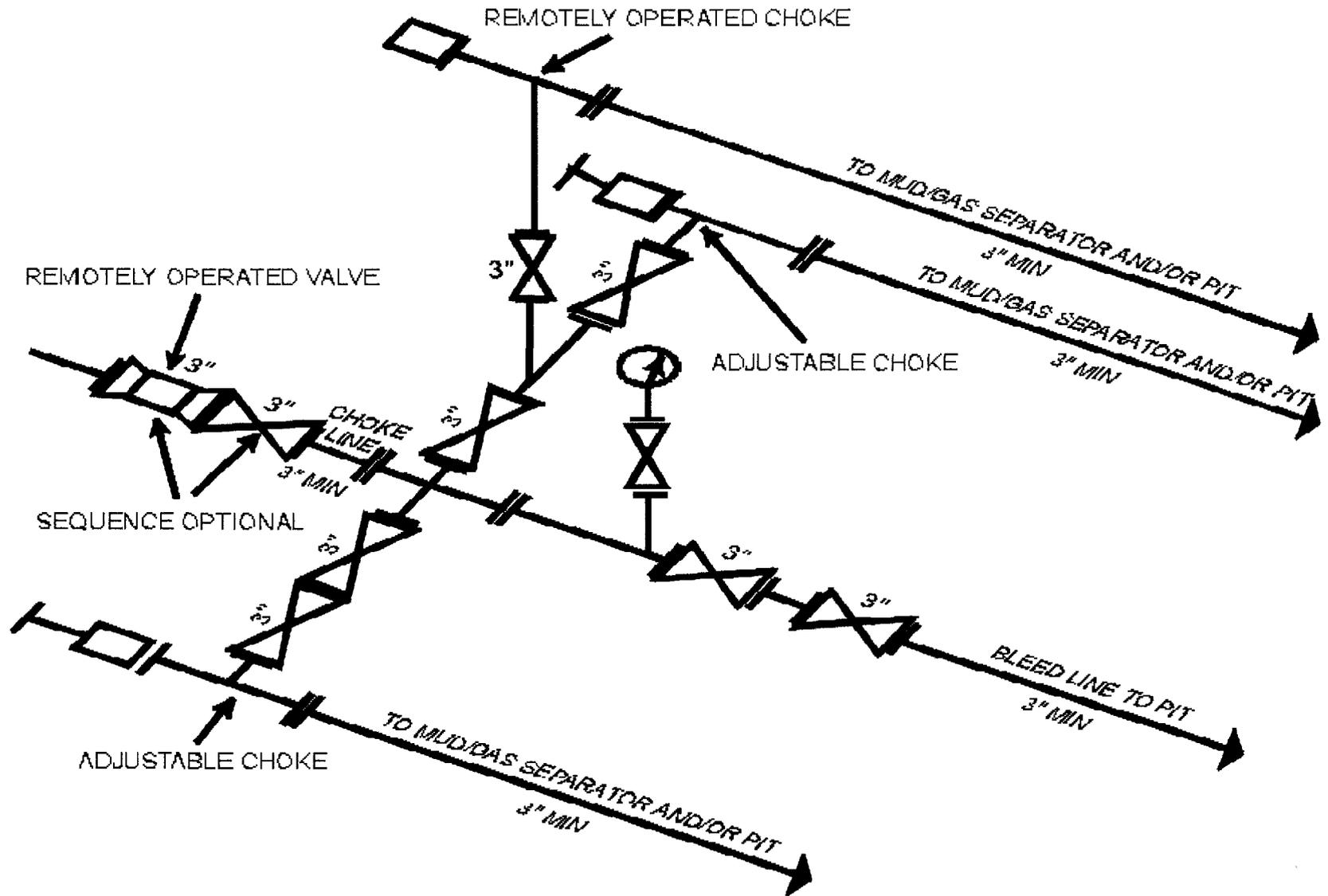
- E.** All rig ditches will be lined and directed to a lined sump for fluid recovery. A drip pan will be installed on the BOP stack, a mud bucket will be utilized as needed on connections and a vacuum system will be used on the rig floor for fluid recovery in those areas.
- F.** Once all waste has been placed in the cuttings portion of the pit and all necessary approvals obtained, the oilfield waste management consultant Soli-Bond or a similar company will mobilize equipment and personnel to the site to perform the cement based solidification/stabilization process in-situ for encapsulation. Soil will be backfilled over the processed material used on the cuttings side of the pit and that portion of the pit area will be returned to the existing grade bordering the pit. Please see the attached Soli-Bond Proposal for Processing and Disposal of Drilling Waste for specific details. The half of the reserve pit containing water base materials will be left to evaporate and will be closed and reclaimed at the time that portion of the pit is dry.

DRILLING PROGRAM

BOP Requirements:



Attachment I. Diagrams of Choke Manifold Equipment



I-4 10M and 15M Choke Manifold Equipment -- Configuration of chokes may vary

[54 FR 39528, Sept. 27, 1989]

Last Updated March 25, 1997 by John Broderick



Questar
Exploration &
Production Company

WV 13A-15-8-21

Sec 15-T8S-R21E
Uintah County, Utah

Drilling Fluids Program

410 17th Street, Suite 460 Denver, CO 80202
(303) 623-2205 (720) 904-7970 Fax



Newpark Drilling Fluids, LP

410 17th Street, Suite 460

■ Denver, Colorado 80202

■ (303) 623-2205

■ FAX (720) 904-7970

June 9, 2008

Mr. Jim Davidson
Questar Exploration & Production
1331 17th Street, Suite 800
Denver, Colorado 80202

RE: WV 13A-15-8-21
Sec 15-T8S-R21E
Uintah Co, Utah

Mr. Davidson:

Newpark Drilling Fluids, LP is pleased to present the enclosed revised recommended drilling fluids program for the WV 13A-15-8-21 well to be drilled in Uintah County, Utah. This program is for drilling with KCL Water/FlexFirm and/or light mud in the 1st intermediate to 4,352 ft, a polymer fluid system in the 2nd intermediate interval to 12,596 ft, then to T.D. at 16,962 ft with OBM.

The Surface Interval will be pre-set at a depth of 500 ft.

For the 1st intermediate Interval, a light KCL /Flex Firm drilling fluid is planned. Lightly mud up before drilling into the Trona/Water flood area and/or before Intermediate T.D.

Brine kill pills may be needed for trips, logs, and casing operations, depending on pressure encountered while drilling. Trona water flows in this area may require a mud weight of 9.5-9.8 ppg to control. Water flood area's in the Green River may need 10.2-10.5 ppg mud weight to control. A mud-up will be recommended before 1st Intermediate T.D. at 4,352'. Mud-up to a NewPHPA/Polymer system. Required mud weight at interval T.D. at 4,352' is expected to be in the 8.8-9.0 ppg range.

In the 2nd intermediate interval, drill out with the KCL water from the previous interval. Mud weight in this interval is expected to be in the 10.5-11.0 ppg range at the 12,596 ft liner interval T.D. Extreme losses have been encountered in this interval on offset wells.

In the Production interval, displace to a 12.0-12.5 ppg OptiDrill OBM system. Maintain fluid density as low as possible to increase penetration rates and reduce the possibility of lost circulation. Use high weight pills for well control during; trips, logs, and casing operations. Mud weight at T.D. is expected to be at +/-15.5 ppg.

The projected drilling time for this project is 60-65 days with an estimated material and engineering cost of \$500,000.00 assuming no unusual delays or problems are encountered. The estimate is based on minimal losses and a 15.0 ppg mud weight at TD. Costs will increase dramatically if severe losses are encountered.

All sack material and bulk barite will be furnished from our Grand Junction, Colorado and Myton, UT facilities with OBM supplied from Newpark's Boulder, WY facility.

If you have any questions following your review of this proposal, please call.

Regards,

Estes Ward
Operations Manager
Newpark Drilling Fluids, LP

Project Summary

Questar
Exploration & Production
WV 13A-15-8-21
Sec 15-T8S-R21E
Uintah, County Utah

Depth (ft)	Formations	Interval Comments	Mud Weight (ppg)	Mud Properties
500'	Uinta Surface T.D.	Hole size: 17 1/2"/ Casing: 13 3/8" AIR DRILLED	NA	NA
2,612'	Green River	KCL/FlexFirm Hole size: 12-1/4"/ Casing: 9 5/8" Drill out with KCL water. Maintain K silicate with 1-3 sks per 100 ft. Pump pre-hydrated NewGel or Flowzan /New Gel sweeps for increased hole cleaning and for any tight hole and/or torque. For trips, spot heavy brine if needed for trona flow, and at intermediate T.D. check hole conditions and spot high viscosity mud if needed. If hole conditions dictate a mud-up, convert the system to a KCL/Polymer system. Mud weight required at T.D. is expected to be in the 8.8-9.0 ppg range	8.4-8.8	Vis (sec/qt): 27-36 PV (cp): 0-8 YP (#s/100ft ²): 0-10 FL (ml/30 min): NC-20 LGS %: < 1%-3% pH: 10.5-10.8 Cl (mg/l): 15-20K
4,352'	Mahogeny Mahogeny Base Intermediate T.D.		8.8-9.0	KCL: 3%
6,012'	Wasatch	NewPHPA/Polymer Hole size: 8.5"/ Liner: 7" Mud up as hole conditions dictate to a NewPHPA/ Polymer system. Maintain properties as outlined increasing the PHPA concentration to 1 ppb. Lost circulation may be a problem in this interval. If lost circulation is encountered, pump LCM pills as needed. If LCM pills will not control losses, by-pass the shakers and increase the LCM concentration in the system as needed. If severe lost circulation is encountered, consider a DynaPlug squeeze. Hole instability may be encountered in the Mesa Verde. Monitor torque, pump pressure, connection fill, and trip conditions for indications of hole instability and consider adding Asphalt if hole conditions dictate.	9.1-9.4	Vis (sec/qt): 40-45 PV (cp) : 12-20
9,212'	Mesa Verde		9.2-9.5	YP (#s/100ft ²) : 10-12
11,562'	Sego Bucktongue		10.0-10.5	FL (ml/30 min): 6-8 LGS %: 3-5
11,712' 12,040' 12,496'	Castlegate Blackhawk Mancos		10.5	pH: 10.0-10.5 Cl (mg/l): 11-15K
12,596'+/-	Inter. 2 T.D.		10.5-11.5	PHPA: 1.0 ppb
12,920'	Mancos B	OptiDrill OBM Hole size: 6-1/8"/ Casing: 4-1/2" Drill out with the OptiDrill system, treating cement contamination as needed with OptiWet to prevent shaker blinding. Maintain hole cleaning during high ROP's with high viscosity sweeps. Use a 1:1 ratio of OptiVis RM and OptiVis. CO2 in the gas stream while drilling under balanced will require additional Lime, emulsifiers and wetting agent. Maintain mud weight as needed for well control. Spot high weight ECD pills for trips, logs, and casing operations.	14.0	PV (cp): 15-25 YP (lbs/100ft ²): 8-10 HPHT (mils/30 min.) : <20
15,972'	Frontier equiv.		14.6	O/W : 80:20 - 85:15
16,762'	Dakota Silt Dakota		15.0	ES: 500+
16,962'	Total Depth		15.5	Lime: 2-4 ppb LGS %: < 6



Newpark Drilling Fluids, LP

410 17th Street, Suite 460
Denver, CO. 80202
(303) 623-2205 FAX (720) 904-7970

Project Summary

Questar
Exploration & Production
WV 13A-15-8-21
Sec 15-T8S-R21E
Uintah, County Utah

DRILLING FLUID PROPERTIES

Surface Hole: Air Drilled

Hole Size (in)	TVD (ft)	Mud Weight (ppg)	Plastic Viscosity (cp)	Yield Point (lb/100ft ²)	API Fluid Loss (ml/30min)	Total Solids (%)
17-1/2"	0-500'	NA	NA	NA	NA	NA

1st Intermediate Hole: KCL/FlexFirm

Hole Size (in)	MD (ft)	Mud Weight (ppg)	Plastic Viscosity (cp)	Yield Point (lb/100ft ²)	API Fluid Loss (ml/30min)	Chloride Mg/l (x1000)	LGS Solids (%)
12-1/4"	500'-4,100'	8.6-8.8	2-8	0-4	NC-20	15-20	1-3%
12-1/4"	4,100'-4,352'	9.3-9.8	8-12	8-10	10-12	15-20	3-5%

2nd Intermediate Interval: NewPHPA/Polymer

Hole Size (in)	MD (ft)	Mud Weight (ppg)	Plastic Viscosity (cp)	Yield Point (lb/100ft ²)	API Fluid Loss (ml/30min)	pH	LGS Solids (%)
8-1/2"	4,352'-10,000'	9.3-9.8	6-12	6-10	8-10	10.0-11.0	3-6%
8-1/2"	10,000'-12,596'	10.5-11.0	12-18	12-15	6-8	10.0-11.0	3-6%

Production Interval: OptiDrill OBM

Hole Size (in)	MD (ft)	Mud Weight (ppg)	Plastic Viscosity (cp)	Yield Point (lb/100ft ²)	O/W Ratio (%)	HPHT Fluid Loss (ml/30min)	CaCL (mg/l) X 10,000	Electrical Stability (mv)	LGS Solids (%)
6-1/8"	12,596'-16,962'	15.0-15.5	20-30	8-10	85/15	12-15	250-350	500 +	3-6

- Drilling fluid properties are guidelines only.
- Mud weights for guidelines only, allow hole conditions to dictate actual mud weights.
- Hole conditions should be closely monitored and product mix adjusted accordingly.



Newpark Drilling Fluids, LP

410 17th Street, Suite 460
Denver, CO. 80202
(303) 623-2205 FAX (720) 904-7970

1st Intermediate Interval

12-1/4" Hole (500' - 4,352')

Questar
Exploration & Production
WV 13A-15-8-21
Sec 15-T8S-R21E
Uintah, County Utah

1st Intermediate Interval Drilling Fluid Properties

Depth Interval (TVD)	Mud Weight (ppg)	Viscosity (sec/qt)	Plastic Viscosity (cp)	Yield Point (lb/100ft ²)	pH	API Fluid Loss (ml/30min)	KCL (%)	Low Gravity Solids	Chlorides Mg/l (x1000)
500' - 4,352' +/-	9.0-9.5	28-36	2-10	0-8	10.0-11.0	NC-20	3.0	<1.0	15-20

- Drill out with KCL water maintaining KCL % at 3.0.
- Mix FlexFirm at 3 sks per 100 ft drilled for hole stability and reduced bit balling.
- If a water flow is encountered, treat as needed for carbonates.
- Pump pre-hydrated NewGel and/or Flowzan/SaltGel sweeps for increased hole cleaning, along with LCM sweeps for seepage (Paper LCM while drilling with water)
- If water flows are encountered, spot heavy brine pills for trips, logs and casing operations.
- If hole conditions dictate a mud-up, convert the KCL water to a KCL/Polymer system.
- **Offset information indicates the 1st major loss zone to be at +/- 3600 ft.**
- **Shallow gas/overpressure was encountered on some offsets in the area at 3,700-4,000'. A 9.5-9.9 ppg fluid was needed to control pressure.**

<i>Challenges:</i>	<i>Strategies:</i>
Gravel/Unconsolidated formation	If encountered, pump sweeps of pre-hydrated NewGel with a viscosity of 150 –300 sec/qt.
Water Flows (Trona)	If water flows become excessive, control hydrostatic as needed with air additions and fluid density.
Lost Circulation	While drilling with water, pump LCM sweeps consisting of paper. If drilling with mud, pump mixed LCM pills in the 20-30% LCM range.
Hole Cleaning	Pump sweeps on a regular basis and for any indications of insufficient hole cleaning. Circulate and pump sweeps before connections and for any anticipated down time.
Increase ROP with PDC Bits	Pump 20-40 bbl. Sweeps with NewEase 203, New100N, DynaDet, and SAPP. (FlexDrill Sweeps)
Hole Instability/Sloughing Shale	Consider a mud-up and Asphalt additions.



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1st Intermediate Interval

12-1/4" Hole (500 - 4,352')

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WV 13A-15-8-21
Sec 15-T8S-R21E
Uintah, County Utah

Offset Data:

- Wells in this area have encountered major losses at +/- 3600 ft.
- Gravel/unconsolidated formation has been encountered at 1380 ft.
- Gas/overpressure has been encountered at 3,700'-4,000'.

Fluid Recommendations:

- Drill out cement, float collar and new formation. Test the integrity of the casing seat and squeeze if necessary.
- Drill out with Saltwater, aerating as needed to maintain circulation.
- If water is encountered, control flow with reduced air and fluid density.
- If a Trona Water flow is encountered additions of **Lime** and/or **Calcium Chloride** should be used to adjust alkalinities as needed.
- The use of a premix tank is highly recommended. Pre-Hydrate **NewGel** for use as sweeps and for viscosity when a mud up is needed. Fill premix tank with fresh water. Treat out hardness with **SodaAsh** as needed. Add 0.25-0.5 ppb **Caustic Soda** for a 10.0-10.5 pH. Begin additions of 20-25 ppb **NewGel** allow sufficient circulating time for maximum hydration. Add 1.0-2.0 ppb **CFL II**. Then mix additional **NewGel** (30-40 ppb total) or a 120+ funnel viscosity. The pre-hydrated bentonite can be pumped from the premix to the pill tank and pumped downhole for sweeps or can be added slowly to the **Saltwater** for viscosity and rheology control.
- If penetration rates slow sweeps with **New 100N**, **NewEase 203**, **SAPP**, and **DynaDet** should be considered. (1% **New 100N**, 1% **NewEase 203**, 0.5-0.75 ppb **SAPP**, 0.2 % **DynaDet**). "**Flex Sweeps**"
- For trips, an increase in mud weight may be necessary to kill water flows. 9.8-10.0 ppg brine should be considered for this operation.
- Seepage and/or lost circulation may become a problem. For seepage while drilling with water, pump 20-30 bbl pills containing Paper LCM.
- If losses become severe, consider a mud up and LCM sweeps of **Cedar Fiber** and **FiberSeal** should be pumped and incorporated into the system as needed. If losses continue, increase coarse LCM in active system to 15-20%. If losses continue the use of a **New X-Prima** Squeeze is strongly recommended.
- At TD increase funnel viscosity for logs and casing operations as hole conditions dictate. Suggest funnel viscosity be increased to 45-50 sec/qt, before logging operations be attempted.
- At 4,352' (intermediate T.D.) short trip, check hole conditions. If hole conditions dictate, add pre-hydrated **New-Gel** from the premix tank to the active system to increase funnel viscosity to 45-50 sec/qt and spot in the open hole for logs and casing operations

DRILL STRING PACK-OFF: Rapid penetration rate during fast drilling often deteriorates to pack-off, a situation which can lead to lost circulation and/or stuck pipe. Pack-off is typically self-induced by exceeding the maximum rate of penetration for a given annular flow rate. The solution to this is to control the penetration rate to a level that the pumps can adequately clean the hole while maintaining rheological properties in line with existing hydraulic parameters.

SOLIDS CONTROL: It is of the utmost importance that the shale shakers and flow line cleaners be equipped with the finest screens possible, and yet handle the flow rate. The desander and desilter units should be evaluated periodically and serviced to maximize performance.



Newpark Drilling Fluids, LP

410 17th Street, Suite 460
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(303) 623-2205 FAX (720) 904-7970

2nd Intermediate Interval

8-1/2" Hole (4,352' - 12,596')

Questar
Exploration & Production
WV 13A-15-8-21
Sec 15-T8S-R21E
Uintah, County Utah

2nd Intermediate Interval Drilling Fluid Properties								
Depth Interval (TVD)	Mud Weight (ppg)	Viscosity (sec/qt)	Plastic Viscosity (cp)	Yield Point (lb/100ft ²)	pH	API Fluid Loss (ml/30min)	Hardness (Mg/l)	Low Gravity Solids
4,352'-10,000'	9.0-9.5	32-36	6-12	6-10	10.0-11.0	8-10	100+	4-6
10,000'-12,596'	10.5-11.0	45-50	10-18	12-14	10.0-11.0	6-8	100+	4-6

- Drill out with water and or mud as hole conditions dictate. After mud-up , allow the system to revert to a fresh water polymer system.
- As mud weight is increased, seepage losses can become severe. Treat with LCM pills as needed. If pill treatments will not contain the losses at reasonable levels, by-pass the shakers, retaining the pills and allowing the LCM concentration to increase as needed.
- Hole instability can occur in the Mesa Verde in this area. If encountered, consider adding Asphalt, building to a 4-6 ppb concentration.
- High pressure may be encountered in the Castlegate/Blackhawk. Monitor closely for increased pressure while drilling and use caution on trips to minimize possible swabbing.
- Mud weight at Intermediate #2 T.D. is expected to be in the 10.5-11.0 ppg range.

Challenges:	Strategies:
Hole Instability/Sloughing Shale	Consider 4-6 ppb Asphalt
Increase in Formation pressure	Monitor well conditions and increase density as needed with NewBar as needed.
Seepage/Lost Circulation	As mud weight is increased (10.0ppg +) seepage and losses may become a problem. For seepage pump 50 bbl sweeps with 5-10 ppb DynaFiber and 10-20 ppb NewCarb as needed. For partial or total losses pump sweeps with 10-15 ppb FiberSeal and Cedar Fiber . Severity of losses will determine size and quantity of LCM added. If losses are not controlled with sweeps consider 10-15% LCM in active system. For severe losses the use of a New X-Prima squeeze should be considered.
Differential Sticking	Maintain mud weight as low as possible. Control Low Gravity Solids below 6%, and control fluid loss at 8-10 mls/30 min.
Increase ROP with PDC Bits	Pump 20-40 bbl. Sweeps with NewEase 203, New100N, DynaDet, and SAPP. (FlexDrill Sweeps)



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2nd Intermediate Interval

8-1/2" Hole (4,352'-12,596')

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Exploration & Production
WV 13A-15-8-21
Sec 15-T8S-R21E
Uintah, County Utah

Offset Data:

Wells in this area have experienced losses as mud weights are increased to control formation pressure. LCM sweeps are strongly recommended for this reason. Mud weights should be kept as low as practical but increases to 11.2 ppg may be required by 2nd Intermediate TD at 12,596'.

- Loss zones on offset wells were at 9200 ft and 9500 ft.
- Losses were encountered at 10,200' on the WV 11AD-14-8-21

Fluid Recommendations:

- Drill out cement, float collar and new formation with the system from the previous interval. Test the integrity of the casing seat and squeeze if necessary.
- Drill out with water and or mud. If drilling out with water consider a mud up by +/- 7500 ft or as hole conditions dictate.
- Begin additions of 0.5-1.0 ppb **NewPHPA** and maintain throughout the interval.
- Maintain viscosity with PreHydrated **NewGel** until chlorides have dropped below 5000-7000 mg/l. After chlorides have dropped **NewGel** will not need to be pre-hydrated and can be added directly to the system.
- Begin additions of **NewPHPA**. Concentration of **NewPHPA** should be maintained at 0.5-1.0 ppb throughout the interval. As mud weight increases additions of **PHPA** should be switched from **NewPHPA DLMW** to the shorter chain **NewPHPA DSL**.
- If hole conditions dictate, consider 4-6 ppb Asphalt.
- If penetration rates slow sweeps with **New 100N**, **NewEase 203**, **SAPP**, and **DynaDet** should be considered. (1% **New 100N**, 1% **NewEase 203**, 0.5-0.75 ppb **SAPP**, 0.2 % **DynaDet**). "**Flex Sweeps**"
- Increase mud weight as needed to control formation pressures as needed. Mud weights should be maintained as low as practical to reduce chance of losses and differential sticking. Increase mud weight as needed with **NewBar**.
- As density increases additions of **NewEdge** and/or **DrillThin** should be added for rheology control.
- As bottom hole temperatures increase and additional fluid loss control is desired supplement the **AquaBlock** with **NewPac** for fluid loss control Lower API filtrate to 6-8 cc's with additions of **NewPAC** and **AquaBlock**.
- As mud weight is increased seepage and/or lost circulation may become a problem. For seepage pump 20-30 bbl pills containing a combination of **NewCarb** and **DynaFiber** mixed at a 2:1 ratio. If partial or total returns are encountered, LCM sweeps with a varied size distribution including **Cedar Fiber** and **Fiber Seal**, **PhenoSeal** and other assorted sizes should be considered and incorporated into the system as needed. 20-25% LCM in the active system may be required. The type, size and quantity of LCM used will depend on the severity of losses. If losses are severe a **New X-Prima** squeeze should be considered.
- At TD increase funnel viscosity for logs and casing operations as hole conditions dictate. Suggest funnel viscosity be increased to 50-55 sec/qt, before logging or casing operations be attempted.
- While circulating casing it is recommended to reduce Yield Points for cementing operations.



Newpark Drilling Fluids, LP

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Production Interval

6-1/8" Hole (12,596'-16,962')

Questar
Exploration & Production
WV 13A-15-8-21
Sec 15-T8S-R21E
Uintah, County Utah

Production Interval Drilling Fluid Properties

Depth Interval (TVD)	Mud Weight (ppg)	Plastic Viscosity (cp)	Yield Point (lb/100ft ²)	O/W Ratio %	HPHT Fluid Loss (ml/30min)	Excess Lime (PPB)	Electrical Stability (MV)	Low Gravity Solids	CaCl Mg/l Water
12,596'-16,962'	15.0-15.5	25-35	8-10	85:15	10-20	2-4	500+	< 6	300K

Drilling Fluid Recommendations: (12,596'-16,962')

- Displace to a OptiDrill OBM after finishing the casing job at 12,596'.
- After displacement, maintain the OptiDrill system within the parameters outlined above.
- Offsets in the area have encountered high rates of seepage in this interval. If indications of seepage are observed, sweeps of **NewCarb C**, **Dynafiber C & M**, **NewSeal**, and **CyberSeal** are recommended. Mixing ratios are recommended to be at 5:1 **NewCarb M** to **DynaFiber**, **NewSeal**, and **CyberSeal**. If losses continue to be a problem, consider trying different sizes and combinations until seepage is slowed.
- Maintain rheology low to reduce ECD values and reduce surge and swab during connections and trips.
- Drill as underbalanced as possible to help prevent losses and increase penetration rates.
- For pressure control, spot high weight pills with an equivalent mud weight to drilling ECD's. On trips in, stage these pills out and divert to storage for further use. High weight pills in excess of the drilling ECD should be avoided due to possible lost circulation.

Challenges	Strategies
Displacement	<ul style="list-style-type: none"> • Have 1200-1300 bbls of OBM volume on location along with a pump capable of keeping up with displacement rates. • Pump a 10-20 bbl viscosified OBM spacer ahead of the OptiDrill (enough for 500 ft + separation) • A steady pump rate for either turbulent or plug flow should be used. Reciprocate and rotate to assist in minimizing channeling. • Do not shut down once displacement commences. • Should any contamination occur, isolate the contaminated fluid for reconditioning.
Seepage/lost Circulation.	Pump LCM sweeps when seepage and/or losses are indicated. Sweeps should be a mixture of , NewCarb, DynaFiber, NewSeal, and CyberSeal. If lost returns are encountered, consider a Diaseal M or cross linked polymer squeeze.
Maintaining Oil wet solids	For every 1.0 ppg mud weight increase, mix 0.02 gal/bbl OptiWet
Pressure control	<ul style="list-style-type: none"> • Spot weighted pills calculated to give a bottom hole pressure equal to drilling ECD. • Do not exceed drilling bottom hole pressure with the ECD pill. Lost circulation has been a problem on offset wells. • Stage weighted pills out of the hole and recover for future use.



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Maintenance Procedure:

HPHT - Maintain HPHT values within programmed parameters. Additions of **OptiMul** and **OptiPlus**, at recommended concentrations should maintain the HTHP at recommended levels. If hole conditions indicate a need for lower HPHT values, **Opti G** at 2-4 ppb is recommended.

Electrical Stability— Electrical stability should be used as a guide not as an absolute in determining maintenance requirements. Actual values are not critical but should be observed for trends or changes. Decreases in electrical stability should be noted along with other mud properties to determine treatments. To increase electrical stability add emulsifiers and wetting agents **OptiMul** and **OptiPlus** or decrease water content.

Oil/Water Ratio - Maintain the oil/water ratio in the 90:10-80:20 range depending on mud weight and condition.. Higher water content will decrease the amount of **OptiVis** needed for rheology.

Mud weight - Maintain minimum fluid densities with solids equipment. Monitor hole conditions and all drilling parameters closely for indications of increases in formation pressures and adjust fluid densities accordingly. Drilling with a minimum amount of overbalance will reduce the possibility of losing returns and/or of differentially sticking the drill string. Mud weight on offset wells was in the 15.0-15.5 ppg range at T.D.

Rheology - Maintain solids as low as possible. Increase rheology as needed for hole cleaning with a combination of **OptiVis (Bentone 910)** and **Opti Vis RM or Opti Vis PS** and water content.

Lime - Maintain the excess Lime at 2-3 ppb excess.

Hole cleaning - Calculate rheology requirements based on ROP, pump rates and hole conditions. Adjust as needed .

Mud losses downhole—Monitor ECD's with Hy-Calc, maintaining the lowest values possible. If losses are encountered; sweeps containing **NewCarb, DynaFiber, Opti-G, and NewSeal** should be circulated to aid in the prevention of losses. If seepage losses continue and/or become severe, consider spotting a pill with **Magma Fiber (Fine & Regular)** and the above formulation. Keep the hole full at all times, and avoid excessive swabbing and/or surge actions when tripping.

Solids Control - Maintain low gravity solids at 4-6 % by volume. The high performance shakers should be equipped with the finest mesh screens that will handle the circulating volume and not cut barite out.

Water Contamination— Keep all water sources off the mud pits. If contamination occurs, treat with emulsifiers and Calcium Chloride as needed.



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Production Interval
6-1/8" Hole (12,596'-16,962')

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WV 13A-15-8-21
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Uintah, County Utah

Recommended materials for relaxed filtrate OptiDrill system :
(85:15 Oil/Water Ratio)

Product	Function	Concentration
<i>NewBar</i>	Weighting material	As needed
<i>OptiVis</i>	Organophilic Clay / Viscosifier	2-4 ppb
<i>OptiMul</i>	Primary Emulsifier	2.0 ppb
<i>OptiPlus</i>	Secondary Emulsifier	4.0 gal/bbl.
<i>OptiVis RM</i>	Low End Rheology Modifier	0.1-0.2 ppb
<i>Calcium Chloride Water</i>	Internal Phase	10.0%-20.0 % by volume
<i>Calcium Chloride</i>	Salinity/Activity	300,000 - 350,000 mg/l
<i>OptiG</i>	Fluid Loss control Additive	1.0-4.0 ppb
<i>Lime</i>	Alkalinity Additive	5 ppb
<i>NewCarb M</i>	Loss Circulation Material	10.0 ppb
<i>NewCarb F</i>	Loss Circulation Material	As required
<i>DynaFiber</i>	Loss Circulation Material	As required



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QUESTAR EXPLORATION AND PRODUCTION COMPANY

WELLSITE CUTTINGS MANAGEMENT PLAN

UINTA BASIN PROJECT AREA

WV 13A-15-8-21

Township: 8 South, Range 21 East

Uintah County, Utah

UINTA BASIN CUTTINGS MANAGEMENT PLAN

Solidifying / Stabilizing Cuttings Pits

1. PROJECT DESCRIPTION

We drill and set conductor, then drill, case and cement surface casing, then drill, run casing, and cement intermediate sections, then finally drill the production holes. This insures that surface water is protected and is not exposed to more saline waters and that treatable water is not exposed to oil based mud (OBM). In addition, water and oil is skimmed off during the various phases for reuse and to minimize the fluid levels in the pit.

The wells to be drilled use oil base drilling fluid during the production section of each well. As the production section of the well is drilled, drill cuttings will be generated and separated from the drilling fluid, then deposited in a single on-site waste pit with synthetic liners (cuttings pit). These oil base mud cuttings (OBMC) are expected to contain elevated levels of adhered entrained hydrocarbons due to their prior contact with the OBM. The OBMC will be collected in a steel catch tank as drilling progresses, moved to the cuttings pit by a wheel loader, and mixed with the water based cuttings generated during drilling of the upper sections of the wellbore.

A state approved contractor will treat the waste placed in the cuttings pit using the solidification/stabilization (S/S) process described below. Prior to beginning the S/S process, the contractor will collect samples of the contents of the cuttings pit for criteria verification. The waste will be treated in place inside the pit and contractor will finish by backfilling the pit constituting final disposal of the drilling waste.

2. GENERAL DESCRIPTION OF THE SOLIDIFICATION/STABILIZATION PROCESS

The S/S process involves the controlled addition of a specially blended Portland-cement-based reagent to the drilled cuttings, OBM and WBM solids and liquids, and makeup water as required followed by thorough mixing of the reagent with the waste to form homogeneous slurry. Hydrocarbons and chlorides in the waste are broken up into very small droplets or "particles" and these particles are dispersed throughout the reagent/waste mixture during the mixing phase. After the mixing phase, an irreversible chemical reaction occurs between the cementitious reagent and water present in the slurry causing the slurry mixture to rapidly transform into a solid granular material. The previously dispersed and isolated particles are immobilized to a very high degree within the interlocked cementitious lattice of each solidified granule. This waste treatment process prevents the hydrocarbons or chlorides from re-coalescing within the processed waste form and reduces their release to the surrounding environment. Chemical properties imparted by the process also stabilize various metals, if present in the waste, by transforming them into less-soluble forms. This in conjunction with the physical entrapment of metals within each solidified granule greatly reduces their availability to the surrounding environment. In summary S/S rapidly transforms physically unstable waste into a stable solid material and reduces the leaching rate of target constituents to such a degree that they can no longer cause harm to the surrounding environment.

3. ESTIMATED VOLUMES PER WELL

Section	Top	Bottom	Size	Volume, ft3	Swell	Excess	Tot Vol, ft3	Tot Vol, bbl
Surface	60	500	17.5	735.01	1.3	1.7	1624.38	289.29
Intermediate	500	4352	12.25	3153.00	1.3	1.4	5738.46	1021.99
Intermediate	4352	12596	8.5	3248.94	1.3	1.4	5913.07	1053.08
Production	12596	16962	6.125	893.43	1.3	1.3	1509.90	268.90
Additional Volume							1937.03	345.00
Total per Well							16722.83	2978.27

4. PROJECT OBJECTIVES

The S/S objectives are:

- 1 To permanently reduce the leaching rate of target constituents to at or below prescribed limits for confinement in the soil.
 - 1.1 Leachable Oil and Grease will be less than 10 mg/L.

UINTA BASIN CUTTINGS MANAGEMENT PLAN

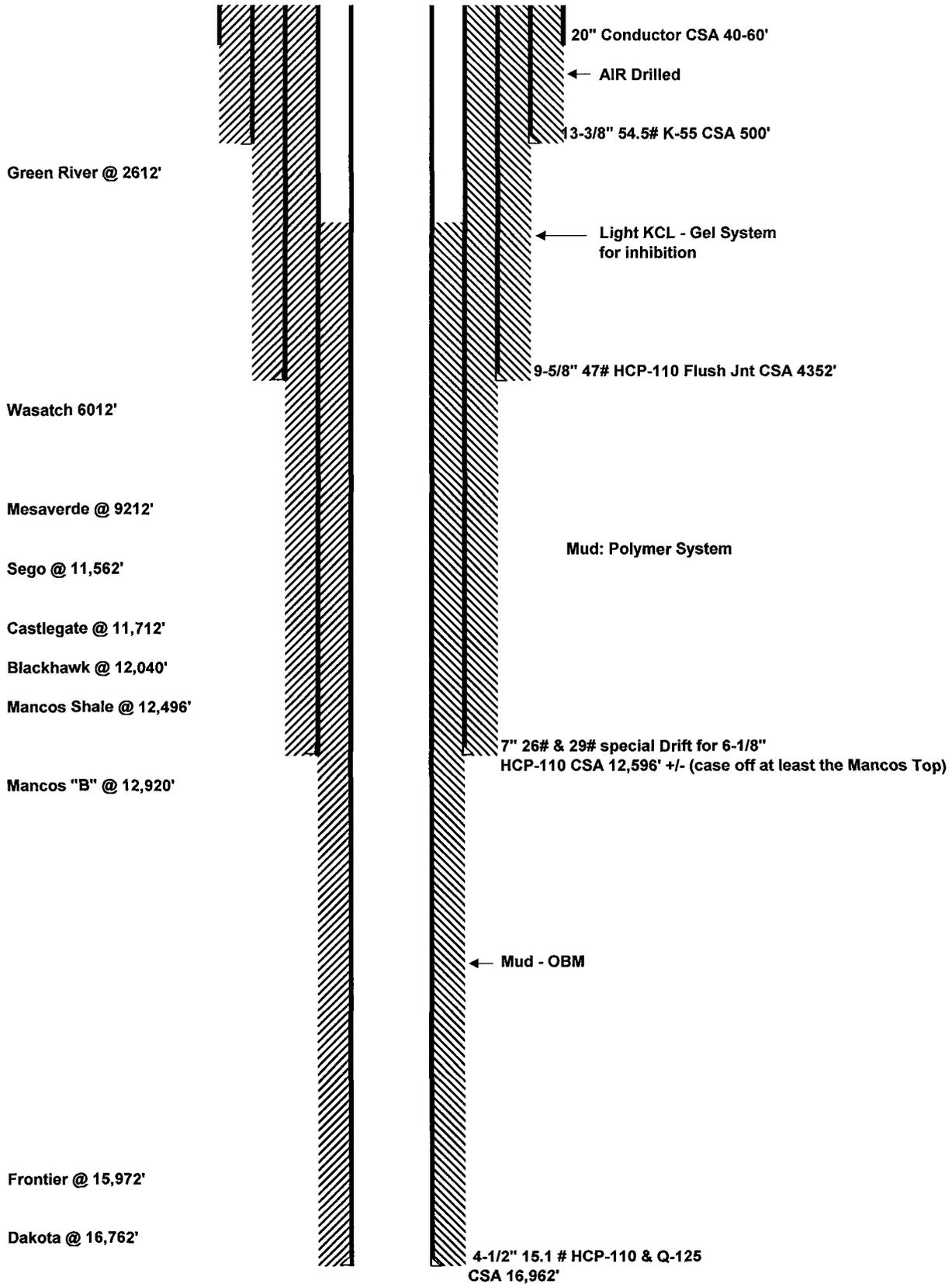
Solidifying / Stabilizing Cuttings Pits

- 1.2 Leachable Total Dissolved Solids will be less than 5000 mg/L and/or leachable salts will be below acceptable site-specific guidelines.
- 1.3 Compliance with the performance criteria will be certified by a third party accredited testing laboratory utilizing the appropriate tests as prescribed. Laboratory test results will be documented in a closure report submitted to the client and to the required regulatory agencies as may be required after completion of the project.
- 2 To solidify the unconsolidated waste to support backfilling soil cover and resist subsidence.
- 3 Rapid solidification of the waste to reduce pit closure time.
- 4 Minimize waste volume increase to maximize depth of native soil cover over processed material.

5. CONTRACTOR ACTIVITIES

1. Contractor will collect samples of the raw waste and bench test to determine S/S reagent formulation and reagent/waste mix ratios necessary to achieve performance criteria.
2. Contractor will deliver equipment and experienced personnel to the site.
3. Contractor supervisor will conduct a job site safety assessment with crew discussing relevant site safety hazards, required PPE, and accident avoidance. Contractor safety meetings will be held prior to each day's work throughout the project.
4. Contractor and client representative will determine the final actual volume of contents to treat in each pit at the subject site prior to commencing operations.
5. Contractor will construct proper storm drainage protection, if necessary, to surround the pit areas during the project.
6. Contractor will perform preliminary admixing of each pit's contents prior to S/S reagent introduction and prepare the site to facilitate waste processing. Care will be taken to maintain waste containment throughout all processing phases.
7. Contractor will prepare and deliver S/S reagents to the site. Reagents will be added to the pit waste utilizing a special filter-equipped discharge hopper.
8. Contractor will perform the S/S on the waste in-situ in order to chemically solidify the waste and immobilize target constituents of concern within the processed material.
9. After processing all the waste, contractor will collect a composite sample of the processed pit material and submit the sample to a certified third party laboratory for analysis to verify the processed material complies with criteria indicated in the Project Objectives, Section 4.
10. Contractor will place a minimum of three feet (3') of native spoil over the S/S material in the pit in order to backfill to the adjacent grade constituting final disposal of the processed material. Spoil for backfilling will be taken from existing excavated spoils at the site.
11. Contractor will then promptly demobilize equipment and personnel concluding site operations.

WV 13A-15-8-21



DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: QUESTAR EXPLORATION & PRODUCTION COMPANY

Well Name: WV 13A-15-8-21

Api No: 43-047-39039 Lease Type: FEDERAL

Section 15 Township 08S Range 21E County UINTAH

Drilling Contractor PETE MARTIN DRLG RIG # RATHOLE

SPUDDED:

Date 08/20/08

Time 10:30 AM

How DRY

Drilling will Commence: _____

Reported by KERRY SALES

Telephone # (801) 598-5087

Date 08/20/08 Signed CHD

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

CONFIDENTIAL

5. Lease Designation and Serial No.	UTU-0807
6. If Indian, Allottee or Tribe Name	UTE TRIBE
7. If Unit or CA, Agreement Designation	WONSITS VALLEY UNIT
8. Well Name and No.	WV 13A 15 8 21
9. API Well No.	43-047-39039
10. Field and Pool, or Exploratory Area	WONSITS VALLEY
11. County or Parish, State	UINTAH

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
11002 EAST 17500 SOUTH - VERNAL, UT 84078 **435-781-4342 Fax 435-781-4357**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1340' FSL, 1334' FWL, SWSW, SEC 15-T8S-21E

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

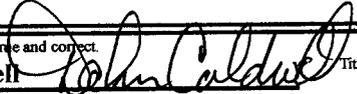
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/>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

On 8/20/08 - Drilled 80' of 30" conductor hole. Set 80' of 20" conductor pipe. Cmtd w/ Ready Mix.

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  Title Office Administrator II Date 8/21/08

(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
RECEIVED
AUG 25 2008
 DIV. OF OIL, GAS & MINING

OPERATOR: **Questar Exploration & Production Co.**
ADDRESS: **11002 East 17500 South**
Vernal, Utah 84078 (435)781-4342

ENTITY ACTION FORM - FORM 6

Action Code	Current Entity No.	New Entity No.	API Number	Well Name	QQ	SC	TP	RG	County	Spud Date	Effective Date
A	99999	17040	43-047-39039	WV 13A 15 8 21	SWSW	15	8S	21	Uintah	8/20/08	8/25/08
WELL 1 COMMENTS: DK TA										CONFIDENTIAL	
WELL 2 COMMENTS:											
WELL 3 COMMENTS:										RECEIVED AUG 25 2008	
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

DIV. OF OIL, GAS & MINING

ACTION CODES (See instructions on back of form)

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

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

(3/89)



Signature

Office Administrator II 8/21/08
Title Date

Phone No. **(435)781-4342**

CONFIDENTIAL

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Operations Summary Report

Legal Well Name: WV 13A-15-8-21
 Common Well Name: WV 13A-15-8-21
 Event Name: DRILLING
 Contractor Name: Pro-Petro
 Rig Name: Ingersol Rand
 Start: 8/21/2008
 Rig Release: 8/21/2008
 Rig Number: 6
 Spud Date: 8/20/2008
 End:
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
8/22/2008	06:00 - 08:00	2.00	LOC	2	DRLCON	NOTE: CONDUCTOR SPUDED ON 8-20-2008 AT 10.30 HRS :-) DRILLED 80' OF 30" HOLE AND SET 20" PIPE. CEMENT WITH READY MIX.
	08:00 - 16:00	8.00	DRL	9	DRLSUR	HAMMER DRILL 17.5" HOLE FROM 80' TO 525'. BLOW DOWN WELL.
	16:00 - 17:00	1.00	TRP	3	DRLSUR	LAY DOWN DRILL STRING.
	17:00 - 18:00	1.00	CSG	2	CSGSUR	SAFETY MEETING. RUN 12 JOINTS OF 13 3/8", 54.5#, J-55, STC CASING AS FOLLOWS" SHOE AT 511'. FLOAT COLLAR AT 466.11'. RAN 3 CENTRALIZERS FROM 501' TO 318' AND ONE AT 84'.
	18:00 - 19:00	1.00	CMT	2	CSGSUR	SAFETY MEETING. CEMENT AS FOLLOWS: PUMP 80 BBL OF FRESH WATER, 10 BBL OF GEL SPACER, LEAD CEMENT 15.8 PPG, 102.4 BBL, 500 SKS, YEAL 1.15, GAL/SK 5, DISPLACE WITH 72 BBL, PLUG BUMPED TO 800 PSI FOR 5 MINUTES OK, FLOATS HELD. FCP 190. 20 BBL OF CEMENT TO SURFACE.
	19:00 - 06:00	11.00	WOT	1	CSGSUR	WAIT ON CEMENT. CEMENT HEAD LEFT IN PLACE FOR NEXT WELL.
9/28/2008	06:00 - 18:00	12.00	LOC	4	RDMO	CONTACTED BLM MICHAEL LEE ON 8-14-2008 AT 15:20 HRS FOR SPUDDING CONDUCTOR ON 8-20-2008 AT 10:30 HRS. CONTACTED UTAH STATE ON 8-14-2008 AT 17:40 HRS FOR SPUDDING CONDUCTOR ON 8-20-2008 AT 10:30 HRS. NOTIFIED REDWASH AND WONSIT VALLY WITH SPUDDING INFORMATION. CONTACTED BLM JAMIE SPARGER ON 8-21-2008 AT 03:10 HRS FOR RUNNING CASING AND CEMENT ON 8-21-2008 AT 17:00 HRS. HOLD SAFETY MEETING WITH WEST ROCK TRUCKING & CRANE OPERATOR / 75% RIG DOWN ON (WV 8D 15-8-21) 65% HAULED (WV 13A 15-8-21) 25% RIG UP ON (WV 13A 15-8-21) RIG UP PUMP MATS & SET PUMPS / SET MUD TANKS
	18:00 - 06:00	12.00	LOC	4	RDMO	WAIT ON DAY LIGHT (POWER WASH SUBS)
9/29/2008	06:00 - 18:00	12.00	LOC	4	RDMO	HOLD SAFETY MEETING WITH WEST ROCK TRUCKING & CRANE OPERATOR / 100% RIG DOWN ON (WV 8D 15-8-21) 95% HAULED (WV 13A 15-8-21) 65% RIG UP ON (WV 13A 15-8-21) MOVE CAMPS & SET UP / SET SUB MATS & SUB / STACK BOPS / MOTOR MATS & MOTORS / OUT BUILDINGS / BAR HOPPERS & SOLID EQUIPMENT
	18:00 - 06:00	12.00	LOC	4	RDMO	WAIT ON DAY LIGHT (POWER WASH DERRICK)
9/30/2008	06:00 - 18:00	12.00	LOC	4	MIRU	HOLD SAFETY MEETING WITH WEST ROCK TRUCKING & CRANE OPERATOR / 100 % HAULED & 85% RIG UP (RIG UP RIG UP GAS BUSTARD & CHOKE HOUSE & SET IN BUILDINGS & TANK FARM & A-LEGS & BRIDEL UP
	18:00 - 06:00	12.00	LOC	4	MIRU	WAIT ON DAY LIGHT
10/1/2008	06:00 - 18:00	12.00	LOC	4	MIRU	TRACE OUT ELECTRICAL PROBLEM ON DRAWWORKS & RIG UP ELECTRICAL LINES TO OUT BUILDING & HOOK UP WATER LINES & AIR LINES & GET DERRICK READY TO PICK 12HRS (HAD CSI OUT HERE TO INSPECT LOAD PATH ON TOP DRIVE & HWDP & XO SUBS)
	18:00 - 06:00	12.00	LOC	4	MIRU	WAIT ON DAY LIGHT
10/2/2008	06:00 - 11:00	5.00	LOC	4	MIRU	TROUBLE SHOOT & GOT MOTORS RUNNING & DID DERRICK INSPECTION & PUT BOARD ON & RAISED DERRICK
	11:00 - 18:00	7.00	LOC	4	MIRU	PUT FLOOR TOGETHER & BEAVER SLIDE & CATWALK & UNBRIDEL BLOCKS FINISH PUTTING NEW HYDRALIC LINES TOGETHER FOR SERVICE LOOP ON TOPDRIVE & MACHANIC

Operations Summary Report

Legal Well Name: WV 13A-15-8-21
 Common Well Name: WV 13A-15-8-21
 Event Name: DRILLING
 Contractor Name: Pro-Petro
 Rig Name: Ingersol Rand
 Start: 8/21/2008
 Rig Release: 8/21/2008
 Rig Number: 6
 Spud Date: 8/20/2008
 End:
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
10/2/2008	11:00 - 18:00 18:00 - 06:00	7.00 12.00	LOC LOC	4 4	MIRU MIRU	FINISH DOING INSPECTION ON TOP DRIVE POWER UNIT WAIT ON DAY LIGHT

43-047-39039
15 85 21e

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Operations Summary Report

Legal Well Name: WV 13A-15-8-21
 Common Well Name: WV 13A-15-8-21
 Event Name: DRILLING
 Contractor Name: Unit Drilling Co.
 Rig Name: UNIT

Start: 8/21/2008
 Rig Release:
 Rig Number: 232

Spud Date: 8/20/2008
 End:
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
11/4/2008	11:00 - 12:00	1.00	RIG	6	DRLIN2	CUT DRILL LINE
	12:00 - 18:00	6.00	TRP	10	DRLIN2	STAGED IN THE HOLE F/ 5400 TO 11542 (TAG SEVERAL BRIDGES IN THE WASATCH HIT BENIGHT STRINGERS F/ 6000 TO 8300)
	18:00 - 19:00	1.00	REAM	1	DRLIN2	SAFETY REAM F/ 11542 TO 11664 (10' FILL)
	19:00 - 06:00	11.00	DRL	1	DRLIN2	DRLG F/ 11,664 TO 11772 WOB GPM 418. DHRPM 63 TDRPM 55-60, DIFF 100, SPP 2150. AVG.ROP 9.8' (SHAKERS BYPASSED)
11/5/2008	06:00 - 12:30	6.50	DRL	1	DRLIN2	DRLG F/ 11,772 TO 11820 WOB GPM 418. DHRPM 63 TDRPM 55-60, DIFF 100, SPP 2150. AVG.ROP 7.3' (SHAKERS BYPASSED)
	12:30 - 13:00	0.50	RIG	1	DRLIN2	RIG SERVICE & SERVICE TOP DRIVE
	13:00 - 14:30	1.50	DRL	1	DRLIN2	DRLG F/ 11,820 TO 11833 WOB GPM 418. DHRPM 63 TDRPM 55-60, DIFF 100, SPP 2150. AVG.ROP 8.6' (SHAKERS BYPASSED)
	14:30 - 15:30	1.00	CIRC	1	DRLIN2	CIRCULATE BTMS UP & BUILD ECD PILL
11/6/2008	15:30 - 19:00	3.50	CIRC	1	DRLIN2	SPOT 100 BBLs OF 12.8 ECD PILL & PULL 15 STAND & & CIRCULATE OUT GAS ABOVE ECD PILL 40' FLARE & FLOW CHECK
	19:00 - 00:00	5.00	TRP	10	DRLIN2	TRIP OUT F / BIT (HAD SUM HOLE DRAG COMMING OFF BOTTOM & STILL HAVE THEM BENIGHT STRINGERS IN THE WASATCH @ 8000-7600 (NOTICE 1 BOLT MISSING OUT BOTTOM OF ROTATING HEAD)
	00:00 - 01:00	1.00	TRP	10	DRLIN2	CHANGE BIT & CLEAN & PREPARE FLOOR TO TRIP IN
	01:00 - 03:30	2.50	TRP	10	DRLIN2	TRIP IN & FILL PIPE @ BHA - 3500 - 5400
	03:30 - 04:00	0.50	OTH		DRLIN2	INSTALL ROTATING HEAD
	04:00 - 06:00	2.00	TRP	10	DRLIN2	TRIP IN & FILL PIPE 8000-10,000 & 11750
	06:00 - 10:00	4.00	TRP	10	DRLIN2	RIH CIRC OUT ECD PILL
	10:00 - 20:00	10.00	DRL	1	DRLIN2	DRLG F/ 11833 T/ 11909 WOB 20/28, RPG .15, GPM 408, DHTPM 60, TDRPM 45, DIFF 208, SPP 2395, LCM 10%, ROP 7.6 BYPASSING SHAKER
	20:00 - 22:00	2.00	CIRC	1	DRLIN2	CIRC BOTTOMS UP & BUILD ECD PILL
	22:00 - 00:00	2.00	TRP	10	DRLIN2	POOH F/ 11909 T/ 10394
11/7/2008	00:00 - 01:00	1.00	OTH		DRLIN2	FLOW CHECK & PUMP DRY UP SLUG
	01:00 - 06:00	5.00	TRP	10	DRLIN2	POOH
	06:00 - 07:00	1.00	TRP	10	DRLIN2	POOH
	07:00 - 07:30	0.50	OTH		DRLIN2	CLEAN FLOOR & C/O BIT
	07:30 - 10:30	3.00	TRP	10	DRLIN2	RIH FILL PIPE @ TOP OF BHA, & 5350
	10:30 - 13:30	3.00	REAM	1	DRLIN2	REAM F/ 7700 T/ 7800
	13:30 - 14:00	0.50	TRP	10	DRLIN2	RIN F/ 7800 T/ 10079
	14:00 - 14:30	0.50	CIRC	1	DRLIN2	CIRC ECD PILL UP HOLE
	14:30 - 18:00	3.50	REAM	1	DRLIN2	SAFTY WASH & REAM TO BOTTOM 760' 25' FILL
	18:00 - 06:00	12.00	DRL	1	DRLIN2	DRLG F/ 11909 T/ 11975 WOB 36, GPM 377, DHRPM57, TDRPM 50, DIFF 590, SPP 1955, LCM 10%, ROP 5.5
11/8/2008	06:00 - 09:00	3.00	DRL	1	DRLIN2	DRLG F/ 11975 T/ 12005 WOB 35, GPM 377, DHRPM 57, TDRPM 50, DIFF 610, SPP 2050, ROP 10 LCM 10%
	09:00 - 10:00	1.00	RIG	1	DRLIN2	RIG SERVICE, CHANGE OIL IN TOP DRIVE MOTOR
	10:00 - 11:30	1.50	DRL	1	DRLIN2	DRLG F/ 12005 T/ 12015 SAME AS ABOVE ROP 6.6
	11:30 - 13:30	2.00	CIRC	1	DRLIN2	SHUT IN WELL, CIRC GAS THROUGH CHOKE, 50' FLARE
	13:30 - 14:00	0.50	DRL	1	DRLIN2	DRLG F/ 12015 T/ 12023, DRLG THROUGH CHOKE, WOB 36, GPM 377, DIFF 540, SPP 1950, CSG PSI 110, FULL OPEN 5' FLARE
	14:00 - 14:30	0.50	OTH		DRLIN2	REPAIR FLOW CENCER
	14:30 - 23:30	9.00	DRL	1	DRLIN2	DRLG F/ 12023 T/ 12097 DRLG THROUGH CHOKE (FULL OPEN) 110 PSI
	23:30 - 02:30	3.00	RIG	2	DRLIN2	C/O HYDROLIC VALVE ON TOP DRIVE & DRIVE COUPLER ON TOP DRIVE MOTOR
	02:30 - 06:00	3.50	DRL	1	DRLIN2	DRLG F/ 12097 T/ 12120 WOB 36, GPM 302, DHRPM 45, TDRPM 61,

Operations Summary Report

Legal Well Name: WV 13A-15-8-21
 Common Well Name: WV 13A-15-8-21
 Event Name: DRILLING
 Contractor Name: Unit Drilling Co.
 Rig Name: UNIT

Start: 8/21/2008
 Rig Release:
 Rig Number: 232

Spud Date: 8/20/2008
 End:
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
11/8/2008	02:30 - 06:00	3.50	DRL	1	DRLIN2	DIFF 181, SPP 1535, ROP 6.5, LOOSING 71 BBL MUD HR RASING LCM TO 15 %
11/9/2008	06:00 - 16:00	10.00	DRL	1	DRLIN2	DRLG F/ 12120 T/ 12190 WOB 36, GPM 302, DHRPM 45, TDRPM 61, DIFF 100, SPP 1550, MW 11.3, ROP 7, LCM 15%
	16:00 - 16:30	0.50	RIG	1	DRLIN2	RIG SERVICE
	16:30 - 06:00	13.50	DRL	1	DRLIN2	DRLG F/ 12190 T/ 12280 WOB 38, GPM 310, DHRPM 46, TDRPM 60, DIF 217, SPP 1550, MW 11.4, LCM 15%, ROP 6.6
11/10/2008	06:00 - 07:30	1.50	DRL	1	DRLIN2	DRLG F/ 12280 T/ 12283 WOB 38, GPM 310, DHRPM 45, TDRPM 60, DIFF 220, SSP 1150, MW 11.4, LCM 15%, ROP 2
	07:30 - 08:00	0.50	RIG	1	DRLIN2	RIG SERVICE
	08:00 - 20:00	12.00	DRL	1	DRLIN2	DRLG F/ 12283 T/ 12376 WOB 38, GPM 310, DHRPM 45, TDRPM 61, DIFF 145, SPP 1550, MW 11.5, LCM 17%, ROP ??
	20:00 - 01:30	5.50	CIRC	1	DRLIN2	LOST PARCIAL RETURNS, PICKED UP & CIRC WITH 40 STK, INCREASED LCM CONTANT TO 30%
	01:30 - 02:30	1.00	TRP	2	DRLIN2	POOH F/ 12376 T/ 11447 HOLE SWABING
	02:30 - 03:30	1.00	CIRC	1	DRLIN2	CIRC & MONITER HOLE FOR LOSSES, HOLE TAKING 20 BBL HR
	03:30 - 06:00	2.50	CIRC	1	DRLIN2	FLOW CHECK, HOLE FLOWING 60 BBL HR CIRC BOTTOMS UP, LCM 20%
11/11/2008	06:00 - 07:30	1.50	CIRC	1	DRLIN2	CIRC @ 11444 , CUT MW TO 11.4, LCM 20%
	07:30 - 08:00	0.50	TRP	2	DRLIN2	RIN TO 11950 HIT BRIDGE
	08:00 - 08:30	0.50	CIRC	1	DRLIN2	STAGE PUMPS UP TO 70 STK & MONITOR FOR G/L
	08:30 - 09:00	0.50	REAM	1	DRLIN2	WASH TO BOTTOM F/ 11950 T/ 12376
	09:00 - 10:00	1.00	DRL	1	DRLIN2	DRLG F/ 12376 T/12388 WOB 38, GPM 300, DHRPM 45, TDRPM 60, DIFF 120, SPP 1250, MW 11.4, LCM 20%, ROP 12
	10:00 - 13:00	3.00	CIRC	1	DRLIN2	CIRC OUT TRIP GAS THROUGH CHOKE, MAX FLARE 75', MAX GANE 280 BBL, MAX GAS 10,468, MAX CSG, PSI 500
11/12/2008	13:00 - 06:00	17.00	DRL	1	DRLIN2	DRLG F/ 12388 T/ 12508 WOB 38, GPM 300, DHRPM 45, TDRPM 61, DIFF75, SPP 1290, MW 11.9, ROP 7.0
	06:00 - 08:30	2.50	DRL	1	DRLIN2	DRLG F/ 12508 T/ 12537 WOB 38, GPM 310, DHRPM 46, TDRPM 61, DIFF 137, SPP 1450, MW 11.4, LCM 18%, ROP 19.3
	08:30 - 11:00	2.50	CIRC	1	DRLIN2	CIRC BOTTOMS UP % SPOT ECD PILL, 100 BBL 12.9#
	11:00 - 13:30	2.50	TRP	14	DRLIN2	SHORT TRIP F/ 12537 T/ 10187 & FLOW CHECK "OK"
	13:30 - 17:00	3.50	CIRC	1	DRLIN2	CIRC BOTTOMS UP @ 10187
	17:00 - 18:00	1.00	OTH		DRLIN2	FLOW CHECK & PUMP DRY UP SLUG
	18:00 - 19:30	1.50	TRP	14	DRLIN2	SHORT TRIP F/ 10187 T/ 7700
	19:30 - 20:00	0.50	OTH		DRLIN2	FLOW CHECK "OK" & C/O ROTATINGHEAD
	20:00 - 23:00	3.00	TRP	14	DRLIN2	RIH & STAGE OUT ECD PILL TO 11050
	23:00 - 01:00	2.00	CIRC	1	DRLIN2	CIRC BOTTOMS UP @ 11050
	01:00 - 01:30	0.50	TRP	14	DRLIN2	RIH F/ 11050 T/ 12096
	01:30 - 02:30	1.00	CIRC	1	DRLIN2	CIRC 3,000 STK SEAGE OUT ECD PILL
	02:30 - 04:00	1.50	REAM	1	DRLIN2	WASH & REAM F/ 12096 T/ 12537 F/12440 T/ 12455 HARD REAMING 10 TO 20 K
	11/13/2008	04:00 - 06:00	2.00	CIRC	1	DRLIN2
06:00 - 07:00		1.00	CIRC	1	DRLIN2	CIRC FOR LOGS
07:00 - 08:30		1.50	TRP	14	DRLIN2	SHORT TRIP 6 STD F/ 12537 T/ 11967
08:30 - 11:00		2.50	CIRC	1	DRLIN2	CIRC BOTTOMS UP & SPOT 100 BBL ECD PILL 12.9 (1.5 # OVER MW)
11:00 - 12:30		1.50	TRP	2	DRLIN2	POOH FOR LOGS
12:30 - 13:00		0.50	OTH		DRLIN2	FLOW CHECK & PUMP SRY SLUG @ 10162
13:00 - 15:30		2.50	TRP	2	DRLIN2	POOH F/ 10162 T/ 5430
15:30 - 16:00		0.50	OTH		DRLIN2	FLOW CHECK
16:00 - 18:00		2.00	TRP	2	DRLIN2	POOH
18:00 - 18:30		0.50	RIG	6	DRLIN2	CUT DRLG LINE

Operations Summary Report

Legal Well Name: WV 13A-15-8-21
 Common Well Name: WV 13A-15-8-21
 Event Name: DRILLING
 Contractor Name: Unit Drilling Co.
 Rig Name: UNIT

Start: 8/21/2008
 Rig Release:
 Rig Number: 232

Spud Date: 8/20/2008
 End:
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
11/13/2008	18:30 - 19:00	0.50	RIG	1	DRLIN2	RIG SERVICE
	19:00 - 20:30	1.50	TRP	2	DRLIN2	POOH FOR LOG
	20:30 - 21:30	1.00	OTH		DRLIN2	CLEAN FLOOR
	21:30 - 06:00	8.50	TRP	1	DRLIN2	PJSM RIG UP SCHLUMBERGER & RIN, FILL EVERY 2,000 FT
11/14/2008	06:00 - 09:00	3.00	TRP	2	DRLIN2	RIH WITH LOG ON DP
	09:00 - 10:30	1.50	TRP	2	DRLIN2	CIRC BOTTOMS UP 1/2 ECD PILL @ 11000'
	10:30 - 11:30	1.00	TRP	2	DRLIN2	RIH WITH LOG ON DP F/ 11000 T/ 112077
	11:30 - 12:30	1.00	CIRC	1	DRLIN2	CIRC 3,000 STK TO START ECD PILL PILL MOVING UP HOLE
	12:30 - 14:30	2.00	REAM	1	DRLIN2	WASH F/112077 T/ 12537 SLM IN HOLE 12518' DRILLER DEPTH 12537 18' DIFFERENCE
	14:30 - 16:30	2.00	CIRC	1	DRLIN2	BOTTOMS UP
	16:30 - 01:30	9.00	TRP	2	DRLIN2	POOH LOGGING
11/15/2008	01:30 - 02:00	0.50	OTH		DRLIN2	L/D LOGGING TOOLS
	02:00 - 06:00	4.00	TRP	2	DRLIN2	RIN
	06:00 - 08:30	2.50	TRP	2	DRLIN2	RIH T/ 11000
	08:30 - 10:00	1.50	CIRC	1	DRLIN2	CIRC 1/2 ECD PILL OUT @ 11000
	10:00 - 11:00	1.00	TRP	2	DRLIN2	RIH F/ 11000 T/ 12000
	11:00 - 11:30	0.50	CIRC	1	DRLIN2	CIEC ECD PILL 2500 STK
	11:30 - 12:30	1.00	REAM	1	DRLIN2	WASH 5000ft TO BOTTOM
	12:30 - 14:30	2.00	CIRC	1	DRLIN2	CIRC BOTTOMS UP & SPOT ECD PILL, 100 BBL 1.5 # OVER
	14:30 - 01:00	10.50	TRP	1	DRLIN2	PJSM & L/D DP & DC
	01:00 - 03:00	2.00	CSG	1	DRLIN2	PJSM & R/P CSG CREW
11/16/2008	03:00 - 06:00	3.00	CSG	2	DRLIN2	PJSM & RUN 7" CSG
	06:00 - 20:30	14.50	CSG	2	CSGIN2	RIH WITH 7" CSG BRAKE CIRC EVERY 2,000ft
	20:30 - 23:30	3.00	CIRC	1	CSGIN2	CIRC BOTTOMS UP @ 11500 40 STK MIN
	23:30 - 01:00	1.50	CSG	2	CSGIN2	RIH WITH 7" CSG TO 12409
	01:00 - 06:00	5.00	REAM	1	CSGIN2	ATTEMPT TO WASH TO BOTTOM LOOSING 150 BBL+ HR MUD @ 40 STK
11/17/2008	06:00 - 16:30	10.50	REAM	1	CSGIN2	WASH TO 12490', MUD LOSSES @ 150/250 BBL HR @ 34 STK
	16:30 - 17:30	1.00	DEQ	4	CSGIN2	LAND MANDURAL HANGER
	17:30 - 21:00	3.50	CIRC	1	CSGIN2	WELL FLOWING, CIRC OUT GAS, 50ft FLARE, MAX GAS 4172
	21:00 - 21:30	0.50	OTH		CSGIN2	FLOW CHECK WELL DEAD
	21:30 - 01:30	4.00	DEQ	4	CSGIN2	SET ISOLATION TOOL & PACK OFF
	01:30 - 06:00	4.50	CMT	2	CSGIN2	PJSM WITH HALLIBURTON & CEMENT 7" CSG
11/18/2008	06:00 - 08:00	2.00	CMT	2	CSGIN2	CEMENT 7" CSG; RAN 279 JT OF 7" CAG, LANDED IN HANGER, SHOE @ 12490; CEMENTED WITH 520 sk FOMED TO 11.0 ppg, TAIL CEMENT OF 345 sx WT OF 14.3 ppg; 100% RETURNS THROUGH OUT JOB, 257sx RETURNED TO THE PIT, NO CAP JOB
	08:00 - 09:00	1.00	CMT	1	CSGIN2	R/D HALLIBURTON
	09:00 - 10:00	1.00	DEQ	1	CSGIN2	RETRIVE CEMENT ISOLATION TOOL & R/D CAMRON
	10:00 - 11:00	1.00	OTH		CSGIN2	WELD ON DRUM
	11:00 - 18:30	7.50	BOP	2	CSGIN2	PJSM & TEST BOP, LOWER & UPPER KELLY, ISBOP, SAFETY VALVES 250 LOW/ 10,000 HIGH; UPPER ,LOWER,INSIDE & HCR VALVE, CHECK VALVE CHOKE LINES, BLIND RAMS, 250 LOW & 10,000 HIGH; SUPER CHOKE 500, ANNULAR 250 LOW & 5,000 HIGH
	18:30 - 19:00	0.50	BOP	2	CSGIN2	INSTALL WEAR BUSHING
	19:00 - 20:00	1.00	TRP	1	CSGIN2	PJSM R/U FRANKS
	20:00 - 06:00	10.00	TRP	1	CSGIN2	P/U BHA & DP
	06:00 - 11:00	5.00	TRP	1	DRLPRO	P/U 4" DP
	11:00 - 11:30	0.50	TRP	1	DRLPRO	R/D L/D TRUCK
11/19/2008	11:30 - 14:30	3.00	RIG	2	DRLPRO	WORK ON TOP DRIVE MOTOR
	14:30 - 16:30	2.00	DRL	4	DRLPRO	DRGL CEMENT & FLOAT EQUIPMENT TAG CEMENT @ 12400,

Operations Summary Report

Legal Well Name: WV 13A-15-8-21
 Common Well Name: WV 13A-15-8-21
 Event Name: DRILLING
 Contractor Name: Unit Drilling Co.
 Rig Name: UNIT

Start: 8/21/2008
 Rig Release:
 Rig Number: 232

Spud Date: 8/20/2008
 End:
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
11/19/2008	14:30 - 16:30	2.00	DRL	4	DRLPRO	FLOAT @ 12449, SHOE @ 12494
	16:30 - 17:00	0.50	DRL	1	DRLPRO	DRLG F/ 12519 T/ 12529
	17:00 - 18:00	1.00	CIRC	1	DRLPRO	CIRC FOR FIT TEST
	18:00 - 19:00	1.00			DRLPRO	FIT TEST, PRESURE UP TO 2962 WITH 11.2 MW = TO 15.5
	19:00 - 20:30	1.50	CIRC	1	DRLPRO	DISPLACEHOLE WITH OIL BASE MUD
11/20/2008	20:30 - 06:00	9.50	LOC	7	DRLPRO	CLEAN MUD TANKS FOR OIL BASE MUD
	06:00 - 13:00	7.00	LOC	7	DRLPRO	CLEAN MUD TANKS FOR OIL BASE
11/21/2008	13:00 - 15:00	2.00	CIRC	1	DRLPRO	TRANSFER INVERT MUD F/TANK FARM TO MUD PIT & CIRCULATE HOLE WITH INVERT
	15:00 - 06:00	15.00	DRL	1	DRLPRO	DRLG F/ 12,529 TO 12822 , WOB 10/12, GPM 203 ,TDRPM 75, SPP 2100, ROP 19.5' (HAD 750 PSI ON B-SECTION & BLEAD IT DOWN TO 35 PSI / IN 8 HRS & CLOSED IT BACK IN YESTERDAY @ 5:00 THIS MORNING IT HAD 500 PSI ON IT)
	06:00 - 06:30	0.50	DRL	1	DRLPRO	DRLG F/ 12,822TO 12831 , WOB 10/12, GPM 203 ,TDRPM 75, SPP 2250,ROP 18' (HAD 500 PSI ON B-SECTION)
	06:30 - 07:00	0.50	RIG	1	DRLPRO	RIG SERVICE & SERVICE TOP DRIVE
	07:00 - 08:30	1.50	DRL	1	DRLPRO	DRLG F/ 12,831TO 12856 , WOB 10/12, GPM 203 ,TDRPM 75, SPP 2250, ROP 16.5'
	08:30 - 09:30	1.00	CIRC	1	DRLPRO	CIRULATE BTMS UP F TRIP & BUILD TRIP SLUG
	09:30 - 14:30	5.00	TRP	12	DRLPRO	TRIP FOR MOTOR & BIT
	14:30 - 15:30	1.00	TRP	1	DRLPRO	P/UP MOTOR & CLEAN FLOOR
	15:30 - 20:00	4.50	TRP	2	DRLPRO	TRIP IN & FILL PIPE 2500-5000-8000
	20:00 - 21:00	1.00	RIG	6	DRLPRO	CUT DRLG LINE
11/22/2008	21:00 - 22:00	1.00	TRP	2	DRLPRO	FINISH TRIP IN
	22:00 - 22:30	0.50	REAM	1	DRLPRO	SAFETY REAM 130' TO BTM (NO FILL)
	22:30 - 06:00	7.50	DRL	1	DRLPRO	DRLG F/ 12,856TO 13020' , WOB 8/10, GPM 203 ,TDRPM 40,MTR 93 SPP 3000, DIFPSI 300 PSI , ROP 18' (HAD 500 PSI ON B-SECTION)
	06:00 - 13:30	7.50	DRL	1	DRLPRO	DRLG F/ 13,020 TO 13308' , WOB 10/14, GPM 203 ,TDRPM 45,MTR 93 SPP 3200, DIFPSI 400 PSI , ROP 38.4' (HAD 500 PSI ON B-SECTION & OPEN IT UP BLEAD IT DOWN 50 PSI F/ 6 HRS & SHUT IT BACK IN)
	13:30 - 14:00	0.50	DRL	1	DRLPRO	RIG SERVICE & SERVICE TOP DRIVE
	14:00 - 18:30	4.50	DRL	1	DRLPRO	DRLG F/ 13,308 TO 13485' , WOB 10/14, GPM 203 ,TDRPM 45,MTR 93 SPP 3200, DIFPSI 400 PSI , ROP 39.3' (HAD 500 PSI ON B-SECTION)
	18:30 - 20:30	2.00	CIRC	1	DRLPRO	SHUT WELL IN CIRCULATE GAS THRU CHOKE (PIT GAIN 35 BBLS 40-80' FLAIR)(RAISED MUD WT F/ 14.5 TO 14.7)
11/23/2008	20:30 - 00:00	3.50	DRL	1	DRLPRO	DRLG F/ 13,485' TO 13,590' , WOB 10/14, GPM 203 ,TDRPM 45,MTR 93 SPP 3200, DIFPSI 450 PSI , ROP 30' (CLOSED ORBIT VALVE & DRILL THRU CHOKE)
	00:00 - 00:30	0.50	OTH		DRLPRO	CHANGE OUT JOINT DRILLED PIPE HAD WASHED FACE ON BOX
	00:30 - 06:00	5.50	DRL	1	DRLPRO	DRLG F/ 13,590' TO 13,795' , WOB 10/14, GPM 203 ,TDRPM 45,MTR 93 SPP 3200, DIFPSI 450 PSI , ROP 37.2' (OPENED ORBIT VALVE & GOING DOWN FLOW LINE ON GAS BUSTER)(HAD 350 PSI ON B-SECTION)
	06:00 - 16:30	10.50	DRL	1	DRLPRO	DRLG F/ 13,795' TO 14,086' , WOB 12/14, GPM 203 ,TDRPM 45,MTR 93 SPP 3300, DIFPSI 450 PSI , ROP 27.7'
	16:30 - 17:00	0.50	RIG	1	DRLPRO	RIG SERVICE & SERVICE TOP DRIVE
11/24/2008	17:00 - 06:00	13.00	DRL	1	DRLPRO	DRLG F/ 14,086' TO 14,398' , WOB 14/16, GPM 188 ,TDRPM 45,MTR 93 SPP 3450, DIFPSI 450 PSI , ROP 27.7' (KEPT IT SHUT IN ON B-SECTION & IT DROP F/ 350 PSI TO 250 PSI)
	06:00 - 11:30	5.50	DRL	1	DRLPRO	DRLG F/ 14,398' TO 14,568' , WOB 14/16, GPM 188 ,TDRPM 45,MTR 93 SPP 3450, DIFPSI 850 PSI , ROP 30.9'

Operations Summary Report

Legal Well Name: WV 13A-15-8-21
 Common Well Name: WV 13A-15-8-21
 Event Name: DRILLING
 Contractor Name: Unit Drilling Co.
 Rig Name: UNIT

Start: 8/21/2008
 Rig Release:
 Rig Number: 232

Spud Date: 8/20/2008
 End:
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
11/24/2008	11:30 - 12:00	0.50	RIG	1	DRLPRO	RIG SERVICE & SERVICE TOP DRIVE
	12:00 - 06:00	18.00	DRL	1	DRLPRO	DRLG F/ 14,568' TO 15075 , WOB 10/14, GPM 175 ,TDRPM 30,MTR 80SPP 3200, DIFPSI 450 TO 900 PSI , ROP 28.1' (SHUT IN F/ 24 HRS 450 PSI ON B-SECTION)
11/25/2008	06:00 - 06:30	0.50	OTH		DRLPRO	CHANGE OUT JOINT DRILL PIPE WASHED BOX
	06:30 - 10:00	3.50	DRL	1	DRLPRO	DRLG F/ 15,075' TO 15,144 , WOB 10/14, GPM 175 ,TDRPM 30,MTR 80 SPP 3200, DIFPSI 450 TO 900 PSI , ROP 28.1'
	10:00 - 12:00	2.00	CIRC	1	DRLPRO	CIRCULATE BTMS UP & BUILD ECD PILL @ 16.3
	12:00 - 13:00	1.00	CIRC	1	DRLPRO	SPOT 100 BBLS ECD PILL OF 16.3
	13:00 - 14:00	1.00	OTH		DRLPRO	FLOW CHECK & HAD UNIT DRILLING MECHANIC CHECK OUT & INSPECT CROWN IT HAD TWO BOLTS BROKE ON INSPECTION PLATE ON BEARING HOUSING IT WAS OK
	14:00 - 15:30	1.50	TRP	10	DRLPRO	TRIP OUT 28 STDS SHOE & FLOW CHECK & PUMP DRY SLUG
	15:30 - 19:30	4.00	TRP	10	DRLPRO	TRIP OUT F/ BIT & MOTOR
	19:30 - 20:00	0.50	TRP	1	DRLPRO	CHANGE OUT MOTORS
	20:00 - 01:00	5.00	TRP	10	DRLPRO	TRIP IN & FILL PIPE 1200 - 6000 - 12530
	01:00 - 02:00	1.00	CIRC	1	DRLPRO	CIRC & STAGE OUT ECD PILL @ 12,530
	02:00 - 02:30	0.50	TRP	10	DRLPRO	TRIP IN
	02:30 - 04:00	1.50	CIRC	1	DRLPRO	CIRC & STAGE OUT ECD PILL @13,698 (50-80' FLARE ON BTMS UP)
	04:00 - 04:30	0.50	TRP	10	DRLPRO	TRIP IN
	04:30 - 06:00	1.50	CIRC	1	DRLPRO	CIRC & STAGE OUT ECD PILL @ 15,135 (50-80' FLARE ON BTMS UP)
11/26/2008	06:00 - 15:00	9.00	DRL	1	DRLPRO	DRLG F/ 15,144' TO 15,430 , WOB 8/10, GPM 160 ,TDRPM 30,MTR 80SPP 3000, DIF PSI 250 TO 550 PSI , ROP 31.7' (ON BUSTER 5' DRILLING FLARE)
	15:00 - 15:30	0.50	RIG	1	DRLPRO	RIG SERVICE & SERVICE TOP DRIVE
	15:30 - 06:00	14.50	DRL	1	DRLPRO	DRLG F/ 15,430' TO15,909, WOB 12, GPM 159 ,TDRPM 30,MTR 80SPP 3000, DIF PSI 250 TO 550 PSI , ROP 33' (ON BUSTER 5' DRILLING FLARE) (ESTAMATE TOP DAKOTA SILT @ 16,552)(200 PSI ON B-SECTION)
11/27/2008	06:00 - 14:00	8.00	DRL	1	DRLPRO	DRLG F/ 15,909' TO16,219, WOB 12, GPM 159 ,TDRPM 30,MTR 73 SPP 3000, DIF PSI 250 TO 550 PSI , ROP 38.7' (ON BUSTER 5' DRILLING FLARE)
	14:00 - 14:30	0.50	RIG	1	DRLPRO	RIG SERVICE & SERVICE TOP DRIVE
	14:30 - 04:00	13.50	DRL	1	DRLPRO	DRLG F/ 16,219' TO 16,572, WOB 12/18, GPM 159 ,TDRPM 30,MTR 73 SPP 3000, DIF PSI 250 TO 550 PSI , ROP 26.1' (ON BUSTER 5' DRILLING FLARE)
11/28/2008	04:00 - 04:30	0.50	SUR	1	DRLPRO	DROP SURVEY
	04:30 - 06:00	1.50	CIRC	1	DRLPRO	CIRCULATE BTMS UP F/ BIT TRIP (200 PSI ON B-SECTION)
	06:00 - 06:30	0.50	CIRC	1	DRLPRO	CIRCULATE BTMS UP (30-50' FLARE)
	06:30 - 07:30	1.00	CIRC	1	DRLPRO	SPOT 100 BBLS 16.4 ECD PILL
	07:30 - 08:00	0.50	CIRC	1	DRLPRO	FLOW CHECK
	08:00 - 15:00	7.00	TRP	10	DRLPRO	TRIP OUT F/ MOTOR & BIT
	15:00 - 16:00	1.00	TRP	1	DRLPRO	HANDLE BHA CHANGE MOTOR & JARS & BIT
	16:00 - 18:30	2.50	TRP	10	DRLPRO	TRIP IN & FILL PIPE @ BHA & 5000 & 10,000
	18:30 - 19:00	0.50	OTH		DRLPRO	INSTALL ROTATING HEAD
	19:00 - 22:00	3.00	TRP	10	DRLPRO	TRIP IN @ 12500
	22:00 - 23:00	1.00	RIG	6	DRLPRO	CUT DRILL LINE
	23:00 - 00:30	1.50	CIRC	1	DRLPRO	FILL PIPE & CIRCULATE ECD OUT (20 - 30' FLARE)
	00:30 - 01:30	1.00	TRP	10	DRLPRO	TRIP IN @ 14,569
	01:30 - 02:00	0.50	CIRC	1	DRLPRO	FILL PIPE & CIRCULATE ECD OUT
02:00 - 03:30	1.50	OTH		DRLPRO	REPAIR & CHANGE OUT ROTATING HEAD	

Operations Summary Report

Legal Well Name: WV 13A-15-8-21
 Common Well Name: WV 13A-15-8-21
 Event Name: DRILLING
 Contractor Name: Unit Drilling Co.
 Rig Name: UNIT

Start: 8/21/2008
 Rig Release:
 Rig Number: 232

Spud Date: 8/20/2008
 End:
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
11/28/2008	03:30 - 05:00	1.50	CIRC	1	DRLPRO	FINISH CIRCULATING OUT ECD PILL (50-80' FLARE)
	05:00 - 06:00	1.00	TRP	10	DRLPRO	FINISH TRIP IN
11/29/2008	06:00 - 06:30	0.50	REAM	1	DRLPRO	SAFETY REAM 75' TO BTM
	06:30 - 11:00	4.50	DRL	1	DRLPRO	DRLG F/ 16,572' TO 16,608, WOB 8/14, GPM 188 ,TDRPM 30,MTR 32 SPP 3200, DIF PSI 150 TO 275 PSI , ROP 8' (ON BUSTER 5' DRILLING FLARE)
	11:00 - 11:30	0.50	RIG	1	DRLPRO	RIG SERVICE & SERVICE TOP DRIVE
11/30/2008	11:30 - 06:00	18.50	DRL	1	DRLPRO	DRLG F/ 16,608' TO 16,724', WOB 16/18, GPM 188 ,TDRPM 30,MTR 32 SPP 3200, DIF PSI 150 TO 275 PSI , ROP 6.2' (ON BUSTER2/5' DRILLING FLARE)
	06:00 - 15:00	9.00	DRL	1	DRLPRO	DRLG F/ 16,724' TO 16,772', WOB 16/18, GPM 188 ,TDRPM 30,MTR 32 SPP 3000, DIF PSI 150 TO 275 PSI , ROP 5.3 (ON BUSTER2/5' DRILLING FLARE)
	15:00 - 15:30	0.50	RIG	1	DRLPRO	RIG SERVICE & SERVICE TOP DRIVE
12/1/2008	15:30 - 06:00	14.50	DRL	1	DRLPRO	DRLG F/ 16,772' TO 16,860', WOB 18/20, GPM 188 ,TDRPM 30,MTR 32 SPP 3000, DIF PSI 150 TO 275 PSI , ROP 6.0' (ON BUSTER2/5' DRILLING FLARE) (300 PSI ON B-SECTION)
	06:00 - 12:00	6.00	DRL	1	DRLPRO	DRLG F/ 16,860' TO 16,898', WOB 18/20, GPM 188 ,TDRPM 30,MTR 32 SPP 3000, DIF PSI 150 TO 275 PSI , ROP 6.3' (ON BUSTER2/5' DRILLING FLARE)
	12:00 - 12:30	0.50	RIG	1	DRLPRO	RIG SERVICE & SERVICE TOP DRIVE
12/1/2008	12:30 - 21:30	9.00	DRL	1	DRLPRO	DRLG F/ 16,898' TO 16,945, WOB 18/20, GPM 188 ,TDRPM 30,MTR 32 SPP 3000, DIF PSI 150 TO 275 PSI , ROP 5.2' (ON BUSTER2/5' DRILLING FLARE)
	21:30 - 23:00	1.50	CIRC	1	DRLPRO	CIRC. BTMS UP & BUILD ECD PILL @ 16.4
	23:00 - 00:00	1.00	CIRC	1	DRLPRO	SPOT 100 BBLs ECD PILL & FLOW CHECK
	00:00 - 06:00	6.00	TRP	10	DRLPRO	TRIP F/ BIT

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Operations Summary Report

Legal Well Name: WV 13A-15-8-21
Common Well Name: WV 13A-15-8-21
Event Name: DRILLING
Contractor Name: Unit Drilling Co.
Rig Name: UNIT

Spud Date: 8/20/2008
Start: 8/21/2008 End: 12/14/2008
Rig Release: 12/7/2008 Group:
Rig Number: 232

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
11/28/2008	03:30 - 05:00	1.50	CIRC	1	DRLPRO	FINISH CIRCULATING OUT ECD PILL (50-80' FLARE)
	05:00 - 06:00	1.00	TRP	10	DRLPRO	FINISH TRIP IN
11/29/2008	06:00 - 06:30	0.50	REAM	1	DRLPRO	SAFETY REAM 75' TO BTM
	06:30 - 11:00	4.50	DRL	1	DRLPRO	DRLG F/ 16,572' TO 16,608, WOB 8/14, GPM 188 ,TDRPM 30,MTR 32 SPP 3200, DIF PSI 150 TO 275 PSI , ROP 8' (ON BUSTER 5' DRILLING FLARE)
	11:00 - 11:30	0.50	RIG	1	DRLPRO	RIG SERVICE & SERVICE TOP DRIVE
	11:30 - 06:00	18.50	DRL	1	DRLPRO	DRLG F/ 16,608' TO 16,724', WOB 16/18, GPM 188 ,TDRPM 30,MTR 32 SPP 3200, DIF PSI 150 TO 275 PSI , ROP 6.2' (ON BUSTER2/5' DRILLING FLARE)
11/30/2008	06:00 - 15:00	9.00	DRL	1	DRLPRO	DRLG F/ 16,724' TO 16,772', WOB 16/18, GPM 188 ,TDRPM 30,MTR 32 SPP 3000, DIF PSI 150 TO 275 PSI , ROP 5.3 (ON BUSTER2/5' DRILLING FLARE)
	15:00 - 15:30	0.50	RIG	1	DRLPRO	RIG SERVICE & SERVICE TOP DRIVE
	15:30 - 06:00	14.50	DRL	1	DRLPRO	DRLG F/ 16,772' TO 16,860', WOB 18/20, GPM 188 ,TDRPM 30,MTR 32 SPP 3000, DIF PSI 150 TO 275 PSI , ROP 6.0' (ON BUSTER2/5' DRILLING FLARE) (300 PSI ON B-SECTION)
12/1/2008	06:00 - 12:00	6.00	DRL	1	DRLPRO	DRLG F/ 16,860' TO 16,898', WOB 18/20, GPM 188 ,TDRPM 30,MTR 32 SPP 3000, DIF PSI 150 TO 275 PSI , ROP 6.3' (ON BUSTER2/5' DRILLING FLARE)
	12:00 - 12:30	0.50	RIG	1	DRLPRO	RIG SERVICE & SERVICE TOP DRIVE
	12:30 - 21:30	9.00	DRL	1	DRLPRO	DRLG F/ 16,898' TO 16,945, WOB 18/20, GPM 188 ,TDRPM 30,MTR 32 SPP 3000, DIF PSI 150 TO 275 PSI , ROP 5.2' (ON BUSTER2/5' DRILLING FLARE)
	21:30 - 23:00	1.50	CIRC	1	DRLPRO	CIRC. BTMS UP & BUILD ECD PILL @ 16.4
12/2/2008	23:00 - 00:00	1.00	CIRC	1	DRLPRO	SPOT 100 BBLs ECD PILL & FLOW CHECK
	00:00 - 06:00	6.00	TRP	10	DRLPRO	TRIP F/ BIT
	06:00 - 07:00	1.00	TRP	10	DRLPRO	FINISH TRIP OUT
	07:00 - 08:00	1.00	TRP	1	DRLPRO	L/DOWN MONEL & MOTOR & P/UP 2 JTS HWDP & CHANGE BIT
	08:00 - 09:00	1.00	RIG	2	DRLPRO	REPAIR CYLINDER ARM NEED NEW BOLT TOP DRIVE
	09:00 - 16:00	7.00	TRP	10	DRLPRO	TRIP IN & FILL PIPE @ BHA & 5000 & 10,000
	16:00 - 17:00	1.00	CIRC	1	DRLPRO	STAGE OUT ECD PILL @ 12,537 (10-20' FLARE)
	17:00 - 18:00	1.00	TRP	10	DRLPRO	TRIP IN
	18:00 - 20:00	2.00	CIRC	1	DRLPRO	STAGE OUT ECD PILL @ 14,769 (30-50' FLARE)
	20:00 - 21:00	1.00	TRP	10	DRLPRO	TRIP IN
	21:00 - 21:30	0.50	CIRC	1	DRLPRO	STAGE OUT ECD PILL @ 16,901 (30-50' FLARE) (LOST APROX 40 BBLs ON TRIP)
	21:30 - 22:00	0.50	REAM	1	DRLPRO	SAFETY REAM 45' TO BTM
	22:00 - 06:00	8.00	DRL	1	DRLPRO	DRLG F/ 16,945' TO 16,990, WOB 16/18, GPM 217 ,TDRPM 50,SPP 2600, ROP 5.2' (ON BUSTER2/5' DRILLING FLARE) (400 PSI ON B-SECTION) (LOST APROX 10 BBLs IN SEEPAGE)
	12/3/2008	06:00 - 08:30	2.50	CIRC	1	DRLPRO
08:30 - 09:30		1.00	CIRC	1	DRLPRO	SPOT 100 BBLs ECD PILL @16.4 APROX COVERS 4,785'
09:30 - 12:00		2.50	TRP	2	DRLPRO	STRAP OUT F/ LOGS @12,205
12:00 - 13:30		1.50	CIRC	1	DRLPRO	CIRCULATE BTMS UP
13:30 - 14:00		0.50	CIRC	1	DRLPRO	SPOT SECOND ECD PILL @ 16.4 APROX COVERS 2,392'
14:00 - 19:30		5.50	TRP	2	DRLPRO	FINISH STRAP OUT F/ LOGS (SLM @ 16,989)
19:30 - 20:00		0.50	RIG	7	DRLPRO	HOLD SAFETY MEETING W/ SCHLUMBERGER
20:00 - 20:30		0.50	LOG	1	DRLPRO	R/UP SCHLUMBERGER
20:30 - 06:00		9.50	LOG	1	DRLPRO	LOG W/SCHLUMBERGER @DEPTH17,009'-1RST RUN PEX-AIT/ 2ND RUN OBMI
12/2/2008		06:00 - 06:00	24.00	LOG	1	DRLPRO

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JAN 16 2009

Operations Summary Report

Legal Well Name: WV 13A-15-8-21
 Common Well Name: WV 13A-15-8-21
 Event Name: DRILLING
 Contractor Name: Unit Drilling Co.
 Rig Name: UNIT

Start: 8/21/2008
 Rig Release: 12/7/2008
 Rig Number: 232

Spud Date: 8/20/2008
 End: 12/14/2008
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
12/4/2008	06:00 - 06:00	24.00	LOG	1	DRLPRO	REPAIR TOOL AND RUN IN HOLE WITH BOW SPRINGS TO CENTRALIZE TOOL.
12/5/2008	06:00 - 08:00	2.00	LOG	1	DRLPRO	LOG WITH SCHLUMBERGER RUN #3 & RIG DOWN
	08:00 - 09:00	1.00	TRP	15	DRLPRO	RIH TO LAY DOWN DP, TO 1150 CIRC BOTTOMS UP
	09:00 - 11:30	2.50	TRP	15	DRLPRO	RIN F/ 1150 T/ 9800
	11:30 - 12:30	1.00	CIRC	1	DRLPRO	CIRC BOTTOMS UP
	12:30 - 13:30	1.00	RIG	6	DRLPRO	CUT DRLG LINE
	13:30 - 14:30	1.00	TRP	15	DRLPRO	RIH F/ 9800 T/ 12500
	14:30 - 15:30	1.00	CIRC	1	DRLPRO	CIRC 1/2 ECD PILL
	15:30 - 16:30	1.00	TRP	15	DRLPRO	RIH T/ 14500
	16:30 - 18:00	1.50	CIRC	1	DRLPRO	CITC ECD PILL @ 14,500'.
	18:00 - 19:00	1.00	TRP	15	DRLPRO	TIH TO 16482'.
	19:00 - 20:30	1.50	REAM	1	DRLPRO	FILL PIPE AND WASH IN HOLE FROM 16,482' TO 16,990'. LAST 5 STANDS.
	20:30 - 23:00	2.50	CIRC	1	DRLPRO	CIRCULATE OUT SECOND HALF OF ECD PILL. CUT BACK HEAVE MUD TO 14.9 PPG.
	23:00 - 00:00	1.00	CIRC	1	DRLPRO	SPOT 100 BBL OF 16.5 PPG ECD PILL ON BOTTOM.
12/6/2008	00:00 - 06:00	6.00	TRP	3	DRLPRO	LAY DOWN DRILL PIPE. DEPTH AT 06:00 HRS 10,500'.
	06:00 - 12:00	6.00	TRP	1	DRLIN2	L/D 4" STRING F/ 10500 T/ 0000
	12:00 - 13:00	1.00	OTH		CSGPRO	PULL WEAR BUSHING & CLEAN FLOOR
	13:00 - 15:00	2.00	CSG	1	CSGPRO	PJSM & RIG UP FRANKS
	15:00 - 18:00	3.00	CSG	2	CSGPRO	PJSM & RUN 4 1/2" CSG. MAKE UP SHOE TRACT RIH TO 1310'.
	18:00 - 01:30	7.50	CSG	2	CSGPRO	CONTINUE RUNNING 4.5" CASING TO 9,800'. FILL EVERY 30 JOINTS.
	01:30 - 03:00	1.50	CIRC	1	CSGPRO	CONTINUE CIRCULATING BOTTOMS UP AT 9,800'.
	03:00 - 06:00	3.00	CSG	1	CSGPRO	CONTINUE RUNNING 4 1/2" CSG, FILL EVERY 30 JTS
12/7/2008	06:00 - 08:30	2.50	CSG	2	CSGPRO	CON. RUN 4 1/2" CSG T/ 14300
	08:30 - 10:30	2.00	CIRC	1	CSGPRO	CIRC OUT 1/2 ECD PILL, 70' FLARE
	10:30 - 12:30	2.00	CSG	2	CSGPRO	CON RUN 4 1/2" CSG T/ 16990
	12:30 - 13:30	1.00	CSG	1	CSGPRO	RIG DOWN FRANKS
	13:30 - 16:00	2.50	CIRC	1	CSGPRO	CIRC BOTTOMS UP, 15" FLARE, LOWER MW TO 14.8 ppg
	16:00 - 17:00	1.00	CMT	1	CSGPRO	PJSM & RIG UP HALLIBURTON
	17:00 - 19:30	2.50	CMT	2	CSGPRO	CEMENT 4 1/2" CSG SHOE @ 16985; 715 sks CEMENT, NO LOSSES, PUMPED PLUG HELD, TEST CSG TO 1,500 FOR 30 min
	19:30 - 20:00	0.50	CMT	2	CSGPRO	TEST CSG TO 1500 FOR 30 MIN
12/8/2008	20:00 - 06:00	10.00	WOT	1	CSGPRO	WOC & CLEAN MUD TANKS
	06:00 - 08:00	2.00	WOT	1	CSGPRO	WOC; CLEAN MUD TANKS, PREPAIR STACK TO PICK UP
	08:00 - 18:00	10.00	CSG	7	CSGPRO	P/U SHORT JT CSG M/U & SLACK OFF, PULL RORARY TABLE, FROGS & ROTATING HEAD, INSTALL FROGS & ROTARY TABLE; SET SLIPS & CUT OFF CSG. ; CLEAN MUD TANKS
12/9/2008	18:00 - 06:00	12.00	LOC	4	RDMO	RIG DOWN, R/D TOP DRIVE, L/D SERVICE LOOP& WIND WALLS, 5% RIGED DOWN; SHOULD HAVE TRUCKS TOMORROW
	06:00 - 18:00	12.00	LOC	4	RDMO	RIG DOWN; TOP DRIVE RAIL, BRIDLE UP, R/D MUD TANKS, WINTERZING
12/10/2008	18:00 - 06:00	12.00	OTH		RDMO	WOD
	06:00 - 18:00	12.00	LOC	4	RDMO	LAY OVER DERRICK & UNSTRING, REMOVE CROWN, LOAD OUT BAR HOPPERS; STRIP BACK OBM TO 10.0 ppg
12/11/2008	18:00 - 06:00	12.00				WOD & STRIP BACK OBM; CLEAN PREMIX TANK
	06:00 - 18:00	12.00	LOC	4	RDMO	RIG DOWN, LOAD OUT MOTOR PACAGE, LOAD OUT OUT FROGS & DOG HOUSE; CLEAN DERRICK
12/12/2008	18:00 - 06:00	12.00	LOC	4	RDMO	WOD
	06:00 - 18:00	12.00	LOC	4	RDMO	RIG DOWN & MOVE TO STACK OUT YARD
	18:00 - 06:00	12.00	LOC	4	RDMO	

Operations Summary Report

Legal Well Name: WV 13A-15-8-21
 Common Well Name: WV 13A-15-8-21
 Event Name: DRILLING
 Contractor Name: Unit Drilling Co.
 Rig Name: UNIT

Start: 8/21/2008
 Rig Release: 12/7/2008
 Rig Number: 232

Spud Date: 8/20/2008
 End: 12/14/2008
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
12/13/2008	06:00 - 18:00	12.00	LOC	4	RDMO	RIG DOWN & MOVE TO STACK OUT YARD, INSTALL NIGHT CAP, CLEAN OIL BASE TANKS & LOAD OUT
	18:00 - 06:00	12.00	LOC	4	RDMO	WOD
12/14/2008	06:00 - 12:00	6.00	LOC	4	RDMO	FINISH LOADING OUT RIG; MOVE QUESTAR EQUIPMENT TO REDWASH YARD EVERY THING OFF LOCATION 1200hr

Operations Summary Report

Legal Well Name: WV 13A-15-8-21
 Common Well Name: WV 13A-15-8-21
 Event Name: COMPLETION
 Contractor Name:
 Rig Name:

Start: 1/2/2009
 Rig Release:
 Rig Number:

Spud Date: 8/20/2008
 End:
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
12/16/2008	08:00 - 13:00	5.00	LOG	2	C-LOG	MIRU OWP ELU. MU AND RIH WITH CCL/GR/CBL/DL LOGGING TOOLS AND TAG CORRELATED PBTD AT 16,958' (FC @ 16,983'). PRESSURE UP TO 4,000 PSI AND LOG UP TO 5,000'. BLEED PRESSURE TO ZERO AND POOH. RDMO ELU. EST. TOC AT 7,330'. BHT= 324*.
	13:00 - 14:00	1.00	EQT	1	C-OTH	MIRU HIGH DESSERT PUMP AND TEST 4 1/2" CSG TO 10,000 PSI. HELD GOOD. BLEED PRESSURE TO ZERO. RDMO PUMP.
1/2/2009	08:00 - 14:00	6.00	LOC	5	C-PRE	SET 4 1/16" 15K FRAC TREE AND WORK STAND. FILL AND HEAT FRAC TANKS.
1/3/2009	08:00 - 14:00	6.00	LOC	5	C-PRE	SPOT IPS FBE.
1/4/2009	08:00 - 14:00	6.00	PERF	2	C-PERF	RU IPS FB AND OWP ELU. MU & RIH WITH 2.5" GUNS. SHOOT 42 HOLES FROM 16,697' TO 16,960'. 1,200 PSI WHEN GUNS WERE FIRED. 3,600 PSI WITH GUNS AT SURFACE.
	14:00 - 06:00	16.00	STIM	2	C-STIM	MIRU HES FRAC EQUIPMENT.

ENTITY ACTION FORM

Operator Questar Exploration and Production Co. Operator Account Number: N 5085
 Address: 11002 E. 17500 S.
City Vernal
State UT Zip 84078 Phone Number: (435) 781-~~4309~~ 4342

Well 1

API Number	Well Name	QQ	Sec	Twp	Rng	County
4304738737	WV 16C-14-8-21	SESE	14	080S	210E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date	
D	14864	17123			11/1/2007	
Comments:	WMMFD --- 1/29/2009					

Well 2

API Number	Well Name	QQ	Sec	Twp	Rng	County
4304739039	WV 13A-15-8-21	SWSW	15	080S	210E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date	
D	17040	17123			11/1/2007	
Comments:	WMMFD --- 1/29/2009					

Well 3

API Number	Well Name	QQ	Sec	Twp	Rng	County
4304739040	WV 8D-15-8-21	SENE	15	080S	210E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date	
D	16957	17123			11/1/2007	
Comments:	WMMFD --- 1/29/2009					

RECEIVED

JAN 26 2009

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)

CONFIDENTIAL


 Name (Please Print) _____

 Signature _____
 Office Admin _____ 1/20/09
 Title _____ Date _____

43-047-39039
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CONFIDENTIAL

QUESTAR

Operations Summary Report

Legal Well Name: WV 13A-15-8-21	Spud Date: 8/20/2008
Common Well Name: WV 13A-15-8-21	End:
Event Name: COMPLETION	Start: 1/2/2009
Contractor Name:	Rig Release:
Rig Name:	Rig Number:
	Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
12/16/2008	08:00 - 13:00	5.00	LOG	2	C-LOG	MIRU OWP ELU. MU AND RIH WITH CCL/GR/CBL/VDL LOGGING TOOLS AND TAG CORRELATED PBTD AT 16,958' (FC @ 16,983'). PRESSURE UP TO 4,000 PSI AND LOG UP TO 5,000'. BLEED PRESSURE TO ZERO AND POOH. RDMO ELU. EST. TOC AT 7,330'. BHT= 324*.
	13:00 - 14:00	1.00	EQT	1	C-OTH	MIRU HIGH DESSERT PUMP AND TEST 4 1/2" CSG TO 10,000 PSI. HELD GOOD. BLEED PRESSURE TO ZERO. RDMO PUMP.
1/2/2009	08:00 - 14:00	6.00	LOC	5	C-PRE	SET 4 1/16" 15K FRAC TREE AND WORK STAND. FILL AND HEAT FRAC TANKS.
1/3/2009	08:00 - 14:00	6.00	LOC	5	C-PRE	SPOT IPS FBE.
1/4/2009	08:00 - 14:00	6.00	PERF	2	C-PERF	RU IPS FB AND OWP ELU. MU & RIH WITH 2.5" GUNS. SHOOT 42 HOLES FROM 16,697' TO 16,960'. 1,200 PSI WHEN GUNS WERE FIRED. 3,600 PSI WITH GUNS AT SURFACE.
	14:00 - 06:00	16.00	STIM	2	C-STIM	MIRU HES FRAC EQUIPMENT.
1/5/2009	05:00 - 18:00	13.00	OTH		C-OTH	HES PUMPS FROZE UP (-25*). WORK ON EQUIPMENT. START FRACING IN MORNING.
1/6/2009	06:00 - 08:30	2.50	STIM	3	C-STIM	FRAC STAGE #1 WITH 1,421 BBLS 35# HYBOR-G CARRYING 47,425 LBS 30/50 SBXL AND 19,811 LBS 30/50 INTERPROP SAND FROM .5 TO 4 PPA. AVG RATE= 34.4 BPM. AVG PSI = 9,063.
	08:30 - 11:45	3.25	PERF	2	C-PERF	STAGE #2. RU OWP ELU. MU & RIH WITH 2.5" GUNS AND 3.44" CFP. SET PLUG AT 16,580' WITH 7,000 PSI. SHOOT 42 HOLES FROM 15,942' TO 16,546'.
	11:45 - 13:15	1.50	STIM	3	C-STIM	FRAC STAGE #2 WITH 2,127 BBLS SLICKWATER CARRYING 19,229 LBS 30/50 SBXL, 20,189 LBS 30/50 INTERPROP SAND FROM .25 TO 1.50 PPA. AVG RATE= 39.4 BPM. AVG PSI = 10,534.
	13:15 - 16:00	2.75	PERF	2	C-PERF	STAGE #3. RU OWP ELU. MU & RIH WITH 2.5" GUNS AND 3.44" CFP. SET PLUG AT 15,840' WITH 8,500 PSI. SHOOT 42 HOLES FROM 15,182' TO 15,822'.
	16:00 - 17:15	1.25	STIM	3	C-STIM	FRAC STAGE #3 WITH 2,432 BBLS SLICKWATER CARRYING 40,670 LBS 30/50 SBXL SAND FROM .25 TO 1.50 PPA. AVG RATE= 42.0 BPM. AVG PSI = 10,863.
	17:15 - 19:45	2.50	PERF	2	C-PERF	STAGE #4. RU OWP ELU. MU & RIH WITH 2.5" GUNS AND 3.44" CFP. SET PLUG AT 15,094' WITH 8,300 PSI. SHOOT 42 HOLES FROM 14,725' TO 15,070'.
1/7/2009	08:15 - 09:30	1.25	STIM	3	C-STIM	FRAC STAGE #4 WITH 2,144 BBLS SLICKWATER CARRYING 40,768 LBS 30/50 SBXL SAND FROM .25 TO 1.50 PPA. AVG RATE= 40.6 BPM. AVG PSI = 9,771.
	09:30 - 12:00	2.50	PERF	2	C-PERF	STAGE #5. RU OWP ELU. MU & RIH WITH 2.5" GUNS AND 3.44" CFP. SET PLUG AT 14,610' WITH 8,000 PSI. SHOOT 42 HOLES FROM 14,089' TO 14,593'.
	12:00 - 13:15	1.25	STIM	3	C-STIM	FRAC STAGE #5 WITH 2,041 BBLS SLICKWATER CARRYING 20,679 LBS 30/50 PREMIUM WHITE, 19,152 LBS 30/50 SBXL SAND FROM .25 TO 1.50 PPA. AVG RATE= 44.5 BPM. AVG PSI = 9,775.
	13:15 - 15:15	2.00	PERF	2	C-PERF	STAGE #6. RU OWP ELU. MU & RIH WITH 2.5" GUNS AND 3.44" CFP. SET PLUG AT 14,000' WITH 7,400 PSI. SHOOT 42 HOLES FROM 13,485' TO 13,954'.
	15:15 - 16:15	1.00	STIM	3	C-STIM	FRAC STAGE #6 WITH 2,056 BBLS SLICKWATER CARRYING 23,132 LBS 30/50 PREMIUM WHITE, 16,709 LBS 30/50 SBXL SAND FROM .25 TO 1.50 PPA. AVG RATE= 44.5 BPM. AVG PSI = 9,508.
	16:15 - 18:15	2.00	PERF	2	C-PERF	STAGE #7. RU OWP ELU. MU & RIH WITH 2.5" GUNS AND 3.44" CFP. SET PLUG AT 13,330' WITH 7,000 PSI. SHOOT 42 HOLES FROM 12,765' TO 13,315'.
	18:15 - 19:00	0.75	STIM	3	C-STIM	FRAC STAGE #7 WITH 2,014 BBLS SLICKWATER CARRYING 25,211

Operations Summary Report

Legal Well Name: WV 13A-15-8-21
 Common Well Name: WV 13A-15-8-21
 Event Name: COMPLETION
 Contractor Name:
 Rig Name:

Start: 1/2/2009
 Rig Release:
 Rig Number:

Spud Date: 8/20/2008
 End:
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
1/7/2009	18:15 - 19:00	0.75	STIM	3	C-STIM	LBS PREMIUM WHITE, 14,310 LBS 30/50 SBXL SAND FROM .25 TO 1.50 PPA. AVG RATE= 44.9 BPM. AVG PSI = 8,292. SDFN
1/8/2009	08:00 - 08:15	2.25	PERF	2	C-PERF	STAGE #8. RU OWP ELU. MU & RIH WITH 2.5" GUNS AND 3.44" CFP. SET PLUG AT 12,650' WITH 5,500 PSI. SHOOT 42 HOLES FROM 12,072' TO 12,630'.
	08:15 - 09:15	1.00	STIM	3	C-STIM	FRAC STAGE #8 WITH 2,259 BBLS SLICKWATER CARRYING 43,207 LBS 30/50 PREMIUM WHITE, 16,028 LBS 30/50 SBXL SAND FROM .50 TO 1.50 PPA. AVG RATE= 41.5 BPM. AVG PSI = 7,315.
	09:15 - 11:15	2.00	PERF	2	C-PERF	STAGE #9. RU OWP ELU. MU & RIH WITH 2.5" GUNS AND 3.44" CFP. SET PLUG AT 11,520' WITH 5,000 PSI. SHOOT 27 HOLES FROM 10,909' TO 11,404'.
	11:15 - 12:20	1.08	STIM	3	C-STIM	FRAC STAGE #9 WITH 2,584 BBLS SLICKWATER CARRYING 65,392 LBS 30/50 PREMIUM WHITE, 14,190 LBS 30/50 SBXL SAND FROM .50 TO 2.0 PPA. AVG RATE= 43.4 BPM. AVG PSI = 8,971.
	12:20 - 13:50	1.50	PERF	2	C-PERF	STAGE #10. RU OWP ELU. MU & RIH WITH 2.5" GUNS AND 3.44" CFP. SET PLUG AT 10,834' WITH 4,000 PSI. SHOOT 36 HOLES FROM 10,546' TO 10,812'.
	13:50 - 15:10	1.33	STIM	3	C-STIM	FRAC STAGE #10 WITH 2,348 BBLS SLICKWATER CARRYING 57,543 LBS PREMIUM WHITE, 12,463 LBS 30/50 SBXL SAND FROM .50 TO 2.0 PPA. AVG RATE= 40.6 BPM. AVG PSI = 6,091.
	15:10 - 16:45	1.58	PERF	2	C-PERF	STAGE #11. RU OWP ELU. MU & RIH WITH 2.5" GUNS AND 3.44" CFP. SET PLUG AT 10,030' WITH 3,800 PSI. SHOOT 48 HOLES FROM 9,174' TO 10,011'.
	16:45 - 18:00	1.25	STIM	3	C-STIM	FRAC STAGE #11 WITH 2,394 BBLS SLICKWATER CARRYING 57,357 LBS PREMIUM WHITE, 13,459 LBS 30/50 SBXL SAND FROM .50 TO 2.0 PPA. AVG RATE= 44.4 BPM. AVG PSI = 4,973.
	18:00 - 19:15	1.25	PERF	2	C-PERF	STAGE #12. RU OWP ELU. MU & RIH WITH 2.5" GUNS AND 3.44" CFP. SET PLUG AT 7,890' WITH 2,800 PSI. SHOOT 30 HOLES FROM 7,654' TO 7,872'.
	19:15 - 20:15	1.00	STIM	3	C-STIM	FRAC STAGE #12 WITH 709 BBLS DELTA 200 CARRYING 34,043 LBS PREMIUM WHITE, 21,260 LBS 30/50 SBXL SAND FROM 1 TO 4 PPA. AVG RATE= 44 BPM. AVG PSI = 4,766.
	20:15 - 21:15	1.00	PERF	2	C-PERF	STAGE #13. RU OWP ELU. MU & RIH WITH 2.5" GUNS AND 3.44" CFP. SET PLUG AT 6,980' WITH 1,700 PSI. SHOOT 36 HOLES FROM 6,748' TO 6,968'.
	21:15 - 22:55	1.67	STIM	3	C-STIM	FRAC STAGE #13 WITH 712 BBLS DELTA 200 CARRYING 39,719 LBS PREMIUM WHITE, 13,719 LBS 30/50 SBXL SAND FROM 1 TO 4 PPA. AVG RATE= 44 BPM. AVG PSI = 3,604.
1/9/2009	22:55 - 06:00	7.08	LOC	4	C-STIM	RDMO OWP ELU AND HES FRAC EQUIPMENT. PREP FOR CTDO.
	06:00 - 22:00	16.00	DRL	6	C-STIM	MIRU IPS CTU, GCDOE AND SPIRIT FLUIDS. LOAD CT WITH 120" WATER. MU QES 2 7/8" MOTOR/JARS AND 3.55" 5-BLADE JUNK MILL. TEST STACK TO 8,000 PSI. RIH AND DRILL OUT 12 PLUGS IN 7.5 HOURS TO PBDT DEPTH OF 16,983'. PUMP FINAL SWEEP AND POOH. RDMO IPS CTU, GCDOE & SPIRIT FLUIDS.
1/10/2009	22:00 - 06:00	8.00	PTST	2	C-POST	FLOWING TO SALES THROUGH IPS FBE.
1/11/2009	08:00 - 06:00	24.00	PTST	2	C-POST	FLOWING TO SALES THROUGH IPS FBE.
1/12/2009	06:00 - 06:00	24.00	PTST	2	C-POST	FLOWING TO SALES THROUGH IPS FBE.
1/13/2009	06:00 - 06:00	24.00	PTST	2	C-POST	RDMO IPS FBE. FLOWING TO SALES THROUGH PRODUCTION EQUIPMENT.

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Operations Summary Report

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Well Name: WV 13A-15-8-21
 Location: 15- 8-S 21-E 26
 Rig Name: UNIT

Spud Date: 8/20/2008
 Rig Release: 12/7/2008
 Rig Number: 232

Date	From - To	Hours	Code	Sub Code	Description of Operations
8/22/2008	06:00 - 08:00	2.00	LOC	2	NOTE: CONDUCTOR SPUDED ON 8-20-2008 AT 10.30 HRS :-) DRILLED 80' OF 30" HOLE AND SET 20" PIPE. CEMENT WITH READY MIX. HAMMER DRILL 17.5" HOLE FROM 80' TO 525'. BLOW DOWN WELL. LAY DOWN DRILL STRING. SAFETY MEETING. RUN 12 JOINTS OF 13 3/8", 54.5#, J-55, STC CASING AS FOLLOWS" SHOE AT 511'. FLOAT COLLAR AT 466.11'. RAN 3 CENTRALIZERS FROM 501' TO 318' AND ONE AT 84'. SAFETY MEETING. CEMENT AS FOLLOWS: PUMP 80 BBL OF FRESH WATER, 10 BBL OF GEL SPACER, LEAD CEMENT 15.8 PPG, 102.4 BBL, 500 SKS, YEAL 1.15, GAL/SK 5, DISPLACE WITH 72 BBL, PLUG BUMPED TO 800 PSI FOR 5 MINUTES OK, FLOATS HELD. FCP 190. 20 BBL OF CEMENT TO SURFACE. WAIT ON CEMENT. CEMENT HEAD LEFT IN PLACE FOR NEXT WELL. CONTACTED BLM MICHAEL LEE ON 8-14-2008 AT 15:20 HRS FOR SPUDDING CONDUCTOR ON 8-20-2008 AT 10:30 HRS. CONTACTED UTAH STATE ON 8-14-2008 AT 17:40 HRS FOR SPUDDING CONDUCTOR ON 8-20-2008 AT 10:30 HRS. NOTIFIED REDWASH AND WONSIT VALLY WITH SPUDDING INFORMATION. CONTACTED BLM JAMIE SPARGER ON 8-21-2008 AT 03:10 HRS FOR RUNNING CASING AND CEMENT ON 8-21-2008 AT 17:00 HRS.
	08:00 - 16:00	8.00	DRL	9	
	16:00 - 17:00	1.00	TRP	3	
	17:00 - 18:00	1.00	CSG	2	
	18:00 - 19:00	1.00	CMT	2	
	19:00 - 06:00 06:00 -	11.00	WOT	1	
9/28/2008	06:00 - 18:00	12.00	LOC	4	HOLD SAFETY MEETING WITH WEST ROCK TRUCKING & CRANE OPERATOR / 75% RIG DOWN ON (WV 8D 15-8-21) 65% HAULED (WV 13A 15-8-21) 25% RIG UP ON (WV 13A 15-8-21) RIG UP PUMP MATS & SET PUMPS / SET MUD TANKS WAIT ON DAY LIGHT (POWER WASH SUBS)
9/29/2008	18:00 - 06:00 06:00 - 18:00	12.00 12.00	LOC LOC	4 4	
9/30/2008	18:00 - 06:00	12.00	LOC	4	WAIT ON DAY LIGHT (POWER WASH DERRICK) HOLD SAFETY MEETING WITH WEST ROCK TRUCKING & CRANE OPERATOR / 100 % HAULED & 85% RIG UP (RIG UP RIG UP GAS BUSTARD & CHOKE HOUSE & SET IN BUILDINGS & TANK FARM & A-LEGS & BRIDEL UP WAIT ON DAY LIGHT
	06:00 - 18:00	12.00	LOC	4	
10/1/2008	18:00 - 06:00	12.00	LOC	4	TRACE OUT ELECTRICAL PROBLEM ON DRAWWORKS & RIG UP ELECTRICAL LINES TO OUT BUILDING & HOOK UP WATER LINES & AIR LINES & GET DERRICK READY TO PICK 12HRS (HAD CSI OUT HERE TO INSPECT LOAD PATH ON TOP DRIVE & HWDP & XO SUBS) WAIT ON DAY LIGHT
	06:00 - 18:00	12.00	LOC	4	
10/2/2008	18:00 - 06:00	12.00	LOC	4	TROUBLE SHOOT & GOT MOTORS RUNNING & DID DERICK INSPECTION & PUT BOARD ON & RAISED DERRICK PUT FLOOR TOGETHER & BEAVER SLIDE & CATWALK & UNBRIDEL BLOCKS FINISH PUTTING NEW HYDRALIC LINES TOGETHER FOR SERVICE LOOP ON TOPDRIVE & MACHANIC FINISH DOING INSPECTION ON TOP DRIVE POWER UNIT WAIT ON DAY LIGHT
	06:00 - 11:00	5.00	LOC	4	
	11:00 - 18:00	7.00	LOC	4	
10/3/2008	18:00 - 06:00	12.00	LOC	4	RIG UP TOP DRIVE TRACK & PICK UP SWIVEL & PICK UP TOP DRIVE UNIT & HANG SERVICE LOOP & HOOK UP TOP DRIVE UNIT (CHANGE OUT AGITATOR IN SUCTION PIT) HOOK UP CHOKE LINE & KILL LINE & KOOMEY LINE & KOOMEY REMOTE HELD SAFETY MEETING WITH QUICK TEST & NIPPLE UP 13 5/8 STACK (CALLED BLM JIM ASHBARRY ON TESTING STACK @ 10-2-2008 / 6:00 PM)
	06:00 - 22:00	16.00	SEQ	1	
	22:00 - 05:00 05:00 - 06:00	7.00 1.00	BOP BOP	1 1	

CONFIDENTIAL

Operations Summary Report

Well Name: WV 13A-15-8-21
 Location: 15- 8-S 21-E 26
 Rig Name: UNIT

Spud Date: 8/20/2008
 Rig Release: 12/7/2008
 Rig Number: 232

Date	From - To	Hours	Code	Sub Code	Description of Operations
10/4/2008	06:00 - 12:00	6.00	BOP	1	NIPPLE UP 13 5/8 STACK
	12:00 - 15:30	3.50	BOP	2	TEST B.O.P.S. LOW 250 PSI & HIGH 5,000 PSI TEST UPPER & LOWER KELLY VALVE & FLOOR VALVE & ACR VALVE & INSIDE VALVES
	15:30 - 17:00	1.50	BOP	2	TEST PLUG SEALS BLEW & WAIT ON CAMRON BRING NEW ONES
	17:00 - 21:30	4.50	BOP	2	FINISH TEST ON B.O.P.S LOW 250 PSI & HIGH 5,000 PSI / UPPER & LOWER PIPE RAMS & BLINDS & CHOKE & HYDRILL LOW 250 PSI & HIGH 2500 PSI & TEST CASING TO 1500 PSI - 30 MIN.
	21:30 - 22:30	1.00	BOP	1	INSTALL WEAR BUSHING
	22:30 - 05:00	6.50	LOG	4	WELD UP & INSTALL ORBIT VALVE & FLOW LINE
10/5/2008	05:00 - 06:00	1.00	TRP	1	PICK UP BHA
	06:00 - 10:30	4.50	TRP	1	PICK UP B.H.A. TO DRILL 12 1/4 HOLE TAG @ 476
	10:30 - 00:00	13.50	RIG	2	ATEMP TO BRING PUMPS ON & TOP DRIVE @ NOTHING NO POWER // TROUBLE SHOOT ELETRICAL PROBLEM & FOUND 20 PIN CONDUCTOR & SOME ELETRIC PROBLEM ON PUMPS // TOP DRIVE HAD TWO BAD RELAY TO CHANGE OUT & EMERGENCY SHUT SWITCH ON THE HYDRALIC UNIT
	00:00 - 02:30	2.50	DRL	4	DRILL F/ 476 TO 531 / CEMENT - FLOAT - SHOE TRACK - SHOE &
	02:30 - 03:00	0.50	DRL	1	DRILL F/ 531 TO 545 & PUMP SWEEP & CIRC F/ FIT TEST
	03:00 - 03:30	0.50	EQT	2	FIT TEST EQUIVENT 11PPG 76 PSI & HOLD 30 MINS.
10/6/2008	03:30 - 06:00	2.50	DRL	1	DRILL F/ 545 TO 781 ROP 130 TDRPM 35 MTR 42 WT 5-10
	06:00 - 08:30	2.50	DRL	1	DRLG F/ 781 TO 941 ROP 64/ WT 5-12 / RPM 40 / TDRPM 59 / STRK 140 587 GPM / PSI 1000
	08:30 - 09:00	0.50	RIG	1	RIG SERVICE & SERVICE TOP DRIVE
	09:00 - 14:00	5.00	DRL	1	DRLG F/ 941 1242 ROP 60/ WT 5-12 / RPM 40 / TDRPM 67/ STRK 160 671 GPM / PSI 1500
	14:00 - 14:30	0.50	SUR	1	CIRCULATE SWEEP & WIRE LINE SURVEY
	14:30 - 20:00	5.50	DRL	1	DRLG F/ 1242 TO 1323 / ROP 60 TO 16.2 / WT 5-12 / RPM 40 / TDRPM 67/ STRK 160 / 671 GPM / PSI 1500
	20:00 - 20:30	0.50	SUR	1	CIRCULATE SWEEP & WIRE LINE SURVEY
	20:30 - 23:00	2.50	TRP	10	TRIP OUT F/ BIT & MOTOR
	23:00 - 00:30	1.50	TRP	1	CHANGE OUT MOTORS
	00:30 - 02:00	1.50	TRP	2	TRIP IN & SAFETY REAM 70' TO BTM
	02:00 - 06:00	4.00	DRL	1	DRLG F/ 1323 TO 1364 / ROP 10.25 TO 16.2 / WT 5-12 / RPM 40 / TDRPM 69/ STRK 150 / 630 GPM / PSI 1500
	10/7/2008	06:00 - 09:30	3.50	DRL	1
09:30 - 12:00		2.50	TRP	10	TRIP F/ BIT
12:00 - 12:30		0.50	RIG	1	RIG SERVICE
12:30 - 14:30		2.00	TRP	10	PICK UP NEW BIT & IBS & TRIP IN
14:30 - 21:30		7.00			DRLG F/ 1393 TO 1524 / ROP 18.7/ WT 20-25 / RPM 40 / TDRPM 79/ STRK 170 / 714 GPM / PSI 2400
21:30 - 22:00		0.50	SUR	1	CIRC. & WIRE LINE SURVEY
10/8/2008	22:00 - 06:00	8.00	DRL	1	DRLG F/ 1524 TO 1693 / ROP 21./ WT 25-30 / RPM 40 / TDRPM 69/ STRK 170/ 714 GPM / PSI 2400
	06:00 - 07:00	1.00	DRL	1	DRLG F/ 1693 TO 1744 / ROP 51./ WT 25-30 / RPM 40 / TDRPM 79/ STRK 170/ 714 GPM / PSI 2400
	07:00 - 07:30	0.50	SUR	1	CIRC. & WIRE LINE SURVEY
	07:30 - 14:30	7.00	DRL	1	DRLG F/ 1744 TO 1962 / ROP 51./ WT 25-30 / RPM 40 / TDRPM 79/ STRK 170/ 714 GPM / PSI 2400
	14:30 - 15:00	0.50	RIG	1	RIG SERVICE & SERVICE TOP DRIVE
	15:00 - 23:30	8.50	DRL	1	DRLG F/ 1744 TO 2213 / ROP 55.1./ WT 25-30 / RPM 40 / TDRPM 79/ STRK 170/ 714 GPM / PSI 2400
	23:30 - 00:00	0.50	SUR	1	CIRC. & WIRE LINE SURVEY
	00:00 - 03:00	3.00	DRL	1	DRLG F/ 2213 TO 2291 / ROP 26./ WT 25-30 / RPM 40 / TDRPM 79/ STRK 170/

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Operations Summary Report

Well Name: WV 13A-15-8-21
 Location: 15- 8-S 21-E 26
 Rig Name: UNIT

Spud Date: 8/20/2008
 Rig Release: 12/7/2008
 Rig Number: 232

Date	From - To	Hours	Code	Sub Code	Description of Operations
10/8/2008	00:00 - 03:00	3.00	DRL	1	714 GPM / PSI 2400
	03:00 - 04:00	1.00	OTH		CHECK OUT SURFACE EQUIPMENT FOR PRESSURE LOSS (LOST 600 PSI)
	04:00 - 06:00	2.00	TRP	11	TRIP OUT FOR WASH OUT
10/9/2008	06:00 - 09:00	3.00	TRP	11	TRIP OUT FOR WASH OUT (WASHED OUT ON BOX #4 & PIN #3 HWDP)
	09:00 - 09:30	0.50	OTH		CHANGE OUT BIT & CLEAN FLOOR
	09:30 - 10:00	0.50	TRP	2	TRIP IN TO @ 400'
	10:00 - 11:00	1.00	RIG	6	CUT DRILL LINE
	11:00 - 11:30	0.50	RIG	1	RIG SERVICE & SERVICE TOP DRIVE
	11:30 - 13:00	1.50	TRP	2	TRIP IN @ 2176
	13:00 - 13:30	0.50	REAM	1	SAFETY REAM 120' TO BTM (10' FILL)
	13:30 - 15:30	2.00	DRL	1	DRLG F/ 2291 TO 2338 / ROP 23.5 / WT 5-15 / RPM 40 / TDRPM 79/ STRK 170/ 714 GPM / PSI 1750
	15:30 - 17:00	1.50	RIG	2	TROUBLE SHOOT & REPAIR TOP DRIVE
	17:00 - 06:00	13.00	DRL	1	DRLG F/ 2338 T/ 2590 WOB 15/20, DHRPM 78, TDRPM 50, MOTOR .11 RPG, STK 170, DIFF 140, SPP 2020, ROP 19.3
	10/10/2008	06:00 - 11:30	5.50	DRL	1
11:30 - 12:00		0.50	RIG	1	RIG SERVICE
12:00 - 12:30		0.50	SUR	1	SURVEY
12:30 - 00:30		12.00	DRL	1	DRLG F/ 2715 T/2814 WOB 25/30, GPM 724, DHRPM 79, TDRPM 55 DIFF 175, SPP 1036
10/11/2008	00:30 - 04:00	3.50	TRP	10	POOH
	04:00 - 05:00	1.00	TRP	10	C/O MOTOR & BIT
	05:00 - 06:00	1.00	TRP	10	RIH
	06:00 - 08:00	2.00	TRP	10	RIH
	08:00 - 08:30	0.50	REAM	1	SAFTY WASH 100' TO BOTTOM
	08:30 - 17:30	9.00	DRL	1	DRLG F/ 2814 T/ 2950 WOB 30, GPM 502, DHRPM 80, TDRPM 40, DIFF 150, SPP 1800, ROP15.1
	17:30 - 18:00	0.50	RIG	1	RIG SERVICE
10/12/2008	18:00 - 06:00	12.00	DRL	1	DRLG F/ 2950 T/ 3208 WOB 35, MOTOR .16 RPG, GPM 461, DHRPM 74 TDRPM 42, DIFF 126, SPP 1210, ROP 21.5
	06:00 - 07:30	1.50	DRL	1	DRLG F/ 3208 T/ 3272 WOB 35, GPM 461, DHRPM 74, TDRPM 45, DIFF 145. SPP 1250 ROP 42.6
	07:30 - 08:00	0.50	RIG	1	RIG SERVICE
	08:00 - 08:30	0.50	SUR	1	SURVEY
	08:30 - 19:00	10.50	DRL	1	DRLG F/ 3272 T/ 3553 WOB 40, GPM 590, DHRPM 94, TDRPM 30, DIFF100, SPP 1950, ROP 26.7
	19:00 - 19:30	0.50	SUR	1	SURVEY
	19:30 - 06:00	10.50	DRL	1	DRLG F/ 3553 T/ 3865 WOB 40/45, GPM 544/628, DHRPM 87/100, TDRPM 30/55, DIFF 90/150, SPP 1250/ 1900, ROP 29.7
10/13/2008	06:00 - 16:00	10.00	DRL	1	DRLG F/ 3865 T/ 4114 WOB 40/45, GPM 544/628, DHRPM 87/100, TDRPM 30/ 55, DIFF 50/150, SPP 1850/ 2150, ROP 24.9
	16:00 - 16:30	0.50	RIG	1	RIG SERVICE
	16:30 - 17:00	0.50	SUR	1	SURVEY
10/14/2008	17:00 - 06:00	13.00	DRL	1	DRLG F/ 4114 T/ 4396
	06:00 - 07:00	1.00	DRL	1	DRLG F/4396 T/ 4466 WOB 40/45, GPM 544/ 628, DH RPM 87/ 110, TDRPM 30/55, DIFF 50/150, SPP 1850/ 2500, ROP 70.0
	07:00 - 07:30	0.50	SUR	1	FLOW CHECK, DROP DURVEY
	07:30 - 09:30	2.00	TRP	10	POOH
	09:30 - 10:00	0.50	TRP	10	C/O BIT & P/U STAB
	10:00 - 12:30	2.50	TRP	10	RIH
	12:30 - 15:00	2.50	REAM	1	WASH & REAM TO BOTTOM F/3900 T/ 4131

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Operations Summary Report

Well Name: WV 13A-15-8-21
 Location: 15- 8-S 21-E 26
 Rig Name: UNIT

Spud Date: 8/20/2008
 Rig Release: 12/7/2008
 Rig Number: 232

Date	From - To	Hours	Code	Sub Code	Description of Operations
10/14/2008	15:00 - 03:00	12.00	DRL	1	DRLG F/ 4466 T/ 4677 WOD 40, GPM 637, DHRPM 101, TDRPM 40, DIFF 525, SPP 2805, ROP 17.5
	03:00 - 03:30	0.50	SUR	1	SURVEY
	03:30 - 06:00	2.50	DRL	1	DRLG F/ 4677 T/ 4710 WOB 40/45, GPM 642, DHRPM 100, TDRPM 50, DIFF 190, SPP 2800, ROP 13.2
10/15/2008	06:00 - 13:00	7.00	DRL	1	DRLG F/ 4710 T/ 4866 WOB 42, GPM 628, DHRPM 100 TDRPM 50, DIFF 90, SPP 2800, ROP 22.2
	13:00 - 13:30	0.50	RIG	1	RIG SERVICE
	13:30 - 19:00	5.50	DRL	1	DRLG F/ 4866 T/ 4961 WOB 40/45, GPM 628, DHRPM 100, TDRPM 50, DIFF 90, SPP 2775, ROP 17.2
10/16/2008	19:00 - 19:30	0.50	OTH		L/D WASHED JT PD
	19:30 - 06:00	10.50	DRL	1	DRLG F/ 4961 T/ 5145 SAME, ROP 17.5
	06:00 - 09:30	3.50	DRL	1	DRLG F/ 5145 T/ 5236 WOB 42, GPM 628, DHRPM 100, TDRPM 50, DIFF 90, SPP 2800, ROP 26
	09:30 - 10:00	0.50	SUR	1	SURVEY
	10:00 - 15:00	5.00	DRL	1	DRLG F/ 5236T/ 5332 SAME AS ABOVE, ROP 19.2
	15:00 - 15:30	0.50	RIG	1	RIG SERVICE
	15:30 - 16:30	1.00	DRL	1	DELG F/ 5332 T/ 5360 SAME, ROP 28
	16:30 - 17:30	1.00	CIRC	1	CIRC
	17:30 - 19:30	2.00	TRP	14	SHORT TRIP TO 3850' (16 STD)
	19:30 - 21:30	2.00	CIRC	1	CIRC TO RUN 9 5/8 CSG
10/17/2008	21:30 - 23:30	2.00	TRP	2	POOHF/ 5360 T/ 2862
	23:30 - 01:00	1.50	OTH		BACK REAM F/ 2865 T/ 2800
	01:00 - 04:30	3.50	TRP	2	POOH F/ 2800 & L/D 8" DC, 8" MONEL, 8" MOTOR * 12.25 BIT, PULL WEAR BISHING
	04:30 - 05:00	0.50	OTH		PULL WEAR BISHING
	05:00 - 06:00	1.00	CSG	1	PJSM, R/U CASING CREW
	06:00 - 09:00	3.00	CSG	1	RIG UP CSG CREW
	09:00 - 15:30	6.50	CSG	2	RUN CSG & LAND
	15:30 - 16:30	1.00	CSG	1	R/D CSG CREW
	16:30 - 17:30	1.00	CIRC	1	CIEC & CON MUD
	17:30 - 21:00	3.50	OTH		PULL LANDING JT, PACK OFF MANDRLL HANGER, R/U CEMENT ISOLATION TOOL
10/18/2008	21:00 - 23:00	2.00	CMT	1	PJSM, R/U HALLIBURTON
	23:00 - 03:00	4.00	CMT	2	CEMENT 9 5/8 CSG
	03:00 - 03:30	0.50	OTH		TEST CSG 650 PSI
	03:30 - 04:00	0.50	CMT	2	PUMP CAP CEMENT
	04:00 - 06:00	2.00			R/D HALLIBURTON & WOC
	06:00 - 08:00	2.00	OTH		P/U BAILES ELEVATOR & CLEAN RIG FLOOR
	08:00 - 08:30	0.50	BOP	1	R/U TO TEST BOP
	08:30 - 18:00	9.50	BOP	2	TEST BOP, UPPER & LOWER PIPE RAMS-BLIND RAMS-MANUAL KILL & CHOKE VALVES-HCR VALVE- UPPER-LOWER INSIDE BOP VALVES 250 LOW HIGH 10,000 PSI, ANNULAR 250 LOW 5,000 HIGH SURFACE CSG 1,500 F/ 30 MIN
	18:00 - 18:30	0.50	OTH		INSTALL WEAR BUSHING
	18:30 - 22:30	4.00	TRP	2	P/U NEW MOTOR .22 GPD, MONEL & BIT & RIH
10/19/2008	22:30 - 01:00	2.50	OTH		DRLG CEMENT F/ 5360 T/355 SOE @5355
	01:00 - 01:30	0.50	OTH		DRLF 5360 T/ 5370 , CIRC FIT TEST 1170 PSI= TO 13.5MUD WT
	01:30 - 06:00	4.50	DRL	1	DRLG F/ 5370 T/ 5511 WOB 15, MOTOR .22 RPG, GPM 460, DHRPM 101, TDRPM 45, DIFF 150, SPP 1600, ROP 30.2
	06:00 - 14:30	8.50	DRL	1	DRLG F/ 5511 T/ 5764, WOB 15, GPM 460, RPG .22, DHRPM 101, TDRPM 55, DIFF 112, SPP 1615
	14:30 - 15:00	0.50	RIG	1	RIG SERVICE
	15:00 - 17:00	2.00	DRL	1	DRLG F/ 5764 T/ .5860

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Operations Summary Report

Well Name: WV 13A-15-8-21
 Location: 15- 8-S 21-E 26
 Rig Name: UNIT

Spud Date: 8/20/2008
 Rig Release: 12/7/2008
 Rig Number: 232

Date	From - To	Hours	Code	Sub Code	Description of Operations
10/19/2008	17:00 - 18:00	1.00	SUR	1	SURVEY
	18:00 - 06:00	12.00	DRL	1	DRLG F/ 5860 T/ 6045 WOB 15/20, GPM 460, DHRPM 101, TDRPM 55, DIFF95, SPP 1645, ROP 15.4
10/20/2008	06:00 - 10:00	4.00	DRL	1	DRLG F/ 6045 T/ 6140 WOB 15/23, GPM 440/460, DHRPM 96/101, TDRPM 35/55, DIFF 85/ 500, SPP 1700, ROP 23.7
	10:00 - 11:00	1.00	SUR	1	SURVEY
	11:00 - 15:00	4.00	DRL	1	DRLG F/ 6140 T/ 6233 WOB SAME AS ABOVE, ROP 23.2
	15:00 - 15:30	0.50	RIG	1	RIG SERVICE
	15:30 - 06:00	14.50	DRL	1	DRLG F/ 6140 T/ 6578 WOB 15/23, GPM 440/460, DHRPM 96/101, TDRPM 40/55, DIFF105, SPP 1890, ROP 29.6
10/21/2008	06:00 - 13:00	7.00	DRL	1	DRLG F/ 6578 T/ 6792 WOB 15/28, GPM 460, DHRPM 101, TDRPM 55, DIFF 100, SPP 2500, ROP 30.5
	13:00 - 13:30	0.50	OTH		WORK TIGHT HOLE (MUD RING PACKED OFF)
	13:30 - 14:00	0.50	RIG	1	RIG SERVICE
	14:00 - 00:30	10.50	DRL	1	DRLG F/ 6792 T/ 7072 WOB 15/28, GPM 460, DHRPM 101, TDRPM 50/55, DIFF 200, SPP 1720, ROP 26.6
	00:30 - 01:30	1.00	SUR	1	SURVEY
10/22/2008	01:30 - 06:00	4.50	DRL	1	DRLG F/ 7072 T/ 7220 WOB 18/28, GPM 460, DHRPM 101, TDRPM 50/55, DIFF175, SPP 1750, ROP 32.8
	06:00 - 13:30	7.50	DRL	1	DRLG F/ 7220 T/ 7448 WOB 18/28, GPM 460. DHRPM 101, TDRPM 50/55, DIFF 200, SPP 1820 ROP 30.4
	13:30 - 14:00	0.50	RIG	1	RIG SERVICE
10/23/2008	14:00 - 06:00	16.00	DRL	1	DRLG F/ 7448 T/ 7882 SAME, ROP 27.1
	06:00 - 16:30	10.50	DRL	1	DRLG F/ 7882 TO 8195 WOB 18/28, GPM 460. DHRPM 101, TDRPM 50/55, DIFF 200, SPP 2000 ROP 29.8
	16:30 - 17:00	0.50	RIG	1	RIG SERVICE & SERVICE TOP DRIVE & (FUNCTION UPPER PIPE RAMS)
10/24/2008	17:00 - 06:00	13.00	DRL	1	DRLG F/ 8195 TO 8335 WOB 18/28, GPM 460. DHRPM 101, TDRPM 50/55, DIFF 200, SPP 2000 ROP 10.7
	06:00 - 06:30	0.50	SUR	1	DROP SURVEY
	06:30 - 10:30	4.00	TRP	10	TRIP OUT TO BHA(SUM SPOTS PULLED 30 TO 40K OVER)
	10:30 - 16:00	5.50	ISP	1	INSPECT BHA (LAY DOWN 2 DRILL COLLARS WASHED BOX & PIN)
	16:00 - 18:00	2.00	TRP	1	CHANGE OUT MOTORS & JARS & PICK UP 4 NEW HWDP
	18:00 - 20:00	2.00	TRP	2	TRIP INTO THE SHOE @ 5360
	20:00 - 22:30	2.50	RIG	2	REPAIR SERVICE LOOP & HDRALIC LINE ON SERVICE LOOP
	22:30 - 23:30	1.00	RIG	6	CUT DRILL LINE
	23:30 - 00:30	1.00	TRP	2	FINISH TRIP IN (NO LOSSES ON TRIP)
	00:30 - 01:00	0.50	REAM	1	SAFETY REAM F/ 8255 TO 8335 (10' FILL)
10/25/2008	01:00 - 06:00	5.00	DRL	1	DRLG F/ 8335 TO 8460 WOB 12, GPM 419. DHRPM 63, TDRPM 50/55, DIFF 150, SPP 1700 ROP 25 AVG.
	06:00 - 12:30	6.50	DRL	1	DRLG F/ 8460 TO 8633 WOB 12, GPM 419. DHRPM 63, TDRPM 50/55, DIFF 150, SPP 1700 ROP 26.6 AVG.
	12:30 - 13:00	0.50	RIG	1	RIG SERVICE & SERVICE TOP DRIVE (FUNTION LOWER PIPE & ACR VALUE)
10/26/2008	13:00 - 06:00	17.00	DRL	1	DRLG F/ 8633 TO 8990 WOB 12, GPM 460. DHRPM 69, TDRPM 50/55, DIFF 150, SPP 1700 ROP 21.0 AVG.
	06:00 - 11:00	5.00	DRL	1	DRLG F/ 8990 TO 9100 WOB 15-18, GPM 460. DHRPM 69, TDRPM 50/55, DIFF 150, SPP 1700 ROP 22' AVG.
	11:00 - 11:30	0.50	RIG	1	RIG SERVICE & SERVICE TOP DRIVE (FUNCTION HYDRILL)
10/27/2008	11:30 - 06:00	18.50	DRL	1	DRLG F/ 9100 TO 9575 WOB 18-22, GPM 460. DHRPM 69, TDRPM 50/55, DIFF 150, SPP 1700 ROP 25.6' AVG.
	06:00 - 15:00	9.00	DRL	1	DRLG F/9575 TO 9850 WOB 18-22, GPM 460. DHRPM 69, TDRPM 50/55, DIFF 150, SPP 1700 ROP 30.5' AVG.
	15:00 - 15:30	0.50	RIG	1	RIG SERVICE & SERICE TOP DRIVE
	15:30 - 21:00	5.50	DRL	1	DRLG F/9850 TO 10,040 WOB 18-22, GPM 460. DHRPM 69, TDRPM 50/55, DIFF

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Operations Summary Report

Well Name: WV 13A-15-8-21
 Location: 15- 8-S 21-E 26
 Rig Name: UNIT

Spud Date: 8/20/2008
 Rig Release: 12/7/2008
 Rig Number: 232

Date	From - To	Hours	Code	Sub Code	Description of Operations
10/27/2008	15:30 - 21:00	5.50	DRL	1	150, SPP 1700 ROP 34.5' AVG.
	21:00 - 22:00	1.00	OTH		CHANGE OUT ROTATING HEAD & HYDRALIC FITTING ON IT
	22:00 - 06:00	8.00	DRL	1	DRLG F/10,040 TO 10,200 WOB 18-22, GPM 460. DHRPM 69, TDRPM 50/55, DIFF 150, SPP 1700 ROP 20' AVG.
10/28/2008	06:00 - 09:30	3.50	DRL	1	DRLG F/10,200 TO 10,327 WOB 18-22, GPM 460. DHRPM 69, TDRPM 50/55, DIFF 150, SPP 2450 ROP 36.2' AVG.
	09:30 - 10:30	1.00	OTH		CIRC GAS OUT THRU CHOKE WHILE REPAIRING ON FLOW LINE SENSOR
	10:30 - 13:30	3.00	DRL	1	DRLG F/10,327 TO 10,415 WOB 18-22, GPM 460. DHRPM 69, TDRPM 50/55, DIFF 150, SPP 2450 ROP 29.3' AVG. (RAISE MUD WT 10.3 & PUMPING 10% LCM SWEEPS TO CONTROLL LOSSES)
	13:30 - 14:00	0.50	RIG	1	RIG SERVICE & SERVICE TOP DRIVE (FUNCTION HYDRILL & ACR VALUE
	14:00 - 02:00	12.00	DRL	1	DRLG F/10,415 TO 10,683 WOB 18-22, GPM 419. DHRPM 63, TDRPM 50/55, DIFF 100, SPP 2450 ROP 22.3' AVG.(BYPASS SHAKERS & PUMP 100BBLs OF 15% LCM SWEEPS & RAISE SYSTEM 4 % LCM & MUD WT. TO 10.5) (BYPASS SHAKERS & PUMP 100BBLs OF 15% LCM SWEEPS & RAISE SYSTEM 4 % LCM & MUD WT. TO 10.5)
10/29/2008	02:00 - 05:00	3.00	CIRC	2	BUILD ECD PILL 2 # OVER 100BBLs & DROP SURVEY
	05:00 - 06:00	1.00	CIRC	1	SPOT 100 BBLs ECD PILL@12.5
	06:00 - 06:30	0.50	CIRC	1	PULL 15 STANDS ABOVE ECD
	06:30 - 07:00	0.50	TRP	10	CIRCULATE GAS OUT
	07:00 - 08:30	1.50	CIRC	1	TRIP OUT
	08:30 - 14:00	5.50	TRP	10	CHANGE OUT MOTORS & BIT (FUNCTION BLIND RAMS)
	14:00 - 14:30	0.50	TRP	1	RIG SERVICE & SERVICE TOP DRIVE
	14:30 - 15:00	0.50	RIG	1	TRIP INTO THE SHOE @ 5400
	15:00 - 18:30	3.50	TRP	10	CIRCULATE BTMS UP STAGE IN @5400
	18:30 - 19:00	0.50	CIRC	1	TRIP IN
	19:00 - 20:00	1.00	TRP	2	STAGE IN CIRCULATE @ 6800
20:00 - 21:00	1.00	CIRC	1	WASH & REAM F/ 6800 TO 10,683 WOB 0 -4, GPM 419. DHRPM 63, TDRPM 50/55, DIFF 150, SPP 2000. (LOST APPROX. 150 BBLs ON TRIP)	
21:00 - 06:00	9.00	REAM	1	DHRPM 63, TDRPM 55/60, DIFF 100, SPP 2600.	
10/30/2008	06:00 - 09:00	3.00	REAM	1	DRLG F/ 10683 TO 10791 WOB 12/15, GPM 460. DHRPM 63, TDRPM 55/60, DIFF 100, SPP 2600. AVG.ROP 18'
	09:00 - 15:00	6.00	DRL	1	RIG SERVICE & SERVICE TOP DRIVE
	15:00 - 15:30	0.50	RIG	1	DRLG F/ 10791 TO 11052 WOB 12/15, GPM 460. DHRPM 63, TDRPM 55/60, DIFF 100, SPP 2600. AVG.ROP 18' (APPROX. 30BBLs IN 20HRS)(SHAKERS BYPASSED)
	15:30 - 06:00	14.50	DRL	1	DRLG F/ 11052 TO 11071 WOB 12-18, GPM 460. DHRPM 63, TDRPM 55/60, DIFF 100, SPP 2600. AVG.ROP 6.3'(SHAKERS BYPASSED)
10/31/2008	06:00 - 09:00	3.00	DRL	1	RIG SERVICE & SERVICE TOP DRIVE
	09:00 - 09:30	0.50	RIG	1	DRLG F/ 11071 TO 11310 WOB 18-22, GPM 418. DHRPM 63, TDRPM 55/60, DIFF 100, SPP 2600. AVG.ROP 11.6'(SHAKERS BYPASSED)
	09:30 - 06:00	20.50	DRL	1	DRLG F/ 11,310 TO 11,353 WOB 18-22, GPM 418. DHRPM 63, TDRPM 55/60, DIFF 100, SPP 2600. AVG.ROP 17.2'(SHAKERS BYPASSED)
11/1/2008	06:00 - 08:30	2.50	DRL	1	RIG SERVICE & SERVICE TOP DRIVE
	08:30 - 09:00	0.50	RIG	1	DRLG F/ 11,353 TO 11,390 WOB 18-22, GPM 418. DHRPM 63, TDRPM 55/60, DIFF 100, SPP 2600. AVG.ROP9.2'(SHAKERS BYPASSED)
	09:00 - 13:00	4.00	DRL	1	CIRCULATE & BUILD 100 BBLs ECD PILL 12.8
	13:00 - 14:00	1.00	CIRC	1	FLOW CHECK & DROP SURVEY
	14:00 - 14:30	0.50	SUR	1	SPOT 100 BBLs OF 12.8 ECD PILL & PULL 15 STANDS ABOVE ECD PILL@ 9980
	14:30 - 17:30	3.00	CIRC	1	& CIRCULATE GAS OUT ABOVE ECD PILL (HAD 20 TO 40'FLARE)
	17:30 - 00:00	6.50	TRP	10	PUMP DRY SLUG & TRIP OUT
	00:00 - 01:00	1.00	TRP	1	CHANGE OUT MOTORS

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Operations Summary Report

Well Name: WV 13A-15-8-21
 Location: 15- 8-S 21-E 26
 Rig Name: UNIT

Spud Date: 8/20/2008
 Rig Release: 12/7/2008
 Rig Number: 232

Date	From - To	Hours	Code	Sub Code	Description of Operations
11/1/2008	01:00 - 06:00	5.00	TRP	10	TRIP IN & BREAK CIRCULATION @ 1500' / 3500' / 5400' / 8000' / 11,000' 11'390'
11/2/2008	06:00 - 09:30	3.50	TRP	10	FINISH TRIP IN & BREAK CIRCULATION @ 8000' / 11,000' 11'390'
	09:30 - 10:00	0.50	REAM	1	SAFETY REAM TO 11,300 TO 11,390 (NO FILL)
	10:00 - 10:30	0.50	DRL	1	DRLG F/ 11,390 TO 11,398 WOB 12-14, GPM 418. DHRPM 92, TDRPM 50-55, DIFF 100, SPP 2400. AVG.ROP 8'(SHAKERS BYPASSED)
	10:30 - 13:30	3.00	CIRC	1	LOST RETURNS @ 11,393 / PUMP 90 BBLS 15% LCM SWEEPS & GOT FULL RETURNS BACK RAISE SYSTEM TO 10% & BUILD VOLUME (SHAKERS BY PASSED)
	13:30 - 14:00	0.50	RIG	1	RIG SERVICE & SERVICE TOP DRIVE
11/3/2008	14:00 - 06:00	16.00	DRL	1	DRLG F/ 11,398 TO 11,573 WOB 12-14, GPM 418. DHRPM 92 TDRPM 50-55, DIFF 100, SPP 2400. AVG.ROP 10.9(SHAKERS BYPASSED)(LOST APPROX. 600BBLS)
	06:00 - 13:30	7.50	DRL	1	DRLG F/ 11,573 TO 11,631 WOB 18-22, GPM 418. DHRPM 92 TDRPM 50-55, DIFF 100, SPP 2150. AVG.ROP 7.7(SHAKERS BYPASSED)
	13:30 - 14:00	0.50	RIG	1	RIG SERVICE & SERVICE TOP DRIVE
	14:00 - 19:30	5.50	DRL	1	DRLG F/ 11,631 TO 11,664 WOB 18-22, GPM 418. DHRPM 92 TDRPM 50-55, DIFF 100, SPP 2150. AVG.ROP 6' (SHAKERS BYPASSED)
	19:30 - 21:00	1.50	CIRC	1	CIRCULATE BTMS UP & BUILD 100 BBLS ECD PILL @ 12.8
	21:00 - 21:30	0.50	SUR	1	DROP SURVEY & FLOW CHECK / NO FLOW
	21:30 - 00:30	3.00	CIRC	1	SPOT 100 BBLS ECD PILL @ 12.8 & PULL 15 STANDS ABOVE ECD PILL@10254 & CIRCULATE GAS OUT (20-40' FLARE)
	00:30 - 06:00	5.50	TRP	10	PUMP DRY SLUG & TRIP OUT
	06:00 - 06:30	0.50	TRP	10	FINISH TRIP OUT
	06:30 - 07:00	0.50	RIG	1	RIG SERVICE & SERVICE TOP DRIVE
11/4/2008	07:00 - 08:00	1.00	TRP	1	CHANGE OUT MOTORS & BIT
	08:00 - 11:00	3.00	TRP	10	TRIP TO THE SHOE & FILL PIPE
	11:00 - 12:00	1.00	RIG	6	CUT DRILL LINE
	12:00 - 18:00	6.00	TRP	10	STAGED IN THE HOLE F/ 5400 TO 11542 (TAG SEVERAL BRIDGES IN THE WASATCH HIT BENIGHT STRINGERS F/ 6000 TO 8300)
	18:00 - 19:00	1.00	REAM	1	SAFETY REAM F/ 11542 TO 11664 (10' FILL)
	19:00 - 06:00	11.00	DRL	1	DRLG F/ 11,664 TO 11772 WOB GPM 418. DHRPM 63 TDRPM 55-60, DIFF 100, SPP 2150. AVG.ROP 9.8' (SHAKERS BYPASSED)
	06:00 - 12:30	6.50	DRL	1	DRLG F/ 11,772 TO 11820 WOB GPM 418. DHRPM 63 TDRPM 55-60, DIFF 100, SPP 2150. AVG.ROP 7.3' (SHAKERS BYPASSED)
	12:30 - 13:00	0.50	RIG	1	RIG SERVICE & SERVICE TOP DRIVE
	13:00 - 14:30	1.50	DRL	1	DRLG F/ 11,820 TO 11833 WOB GPM 418. DHRPM 63 TDRPM 55-60, DIFF 100, SPP 2150. AVG.ROP 8.6' (SHAKERS BYPASSED)
	14:30 - 15:30	1.00	CIRC	1	CIRCULATE BTMS UP & BUILD ECD PILL
11/5/2008	15:30 - 19:00	3.50	CIRC	1	SPOT 100 BBLS OF 12.8 ECD PILL & PULL 15 STAND & & CIRCULATE OUT GAS ABOVE ECD PILL 40' FLARE & FLOW CHECK
	19:00 - 00:00	5.00	TRP	10	TRIP OUT F / BIT (HAD SUM HOLE DRAG COMMING OFF BOTTOM & STILL HAVE THEM BENIGHT STRINGERS IN THE WASATCH @ 8000-7600 (NOTICE 1 BOLT MISSING OUT BOTTOM OF ROTATING HEAD)
	00:00 - 01:00	1.00	TRP	10	CHANGE BIT & CLEAN & PREPARE FLOOR TO TRIP IN
	01:00 - 03:30	2.50	TRP	10	TRIP IN & FILL PIPE @ BHA - 3500 - 5400
	03:30 - 04:00	0.50	OTH		INSTALL ROTATING HEAD
	04:00 - 06:00	2.00	TRP	10	TRIP IN & FILL PIPE 8000-10,000 & 11750
	06:00 - 10:00	4.00	TRP	10	RIH CIRC OUT ECD PILL
	10:00 - 20:00	10.00	DRL	1	DRLG F/ 11833 T/ 11909 WOB 20/28, RPG .15, GPM 408, DHTPM 60, TDRPM 45, DIFF 208, SPP 2395, LCM 10%, ROP 7.6 BYPASSING SHAKER
	20:00 - 22:00	2.00	CIRC	1	CIRC BOTTOMS UP & BUILD ECD PILL
	22:00 - 00:00	2.00	TRP	10	POOH F/ 11909 T/ 10394
00:00 - 01:00	1.00	OTH		FLOW CHECK & PUMP DRY UP SLUG	

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Operations Summary Report

Well Name: WV 13A-15-8-21
 Location: 15- 8-S 21-E 26
 Rig Name: UNIT

Spud Date: 8/20/2008
 Rig Release: 12/7/2008
 Rig Number: 232

Date	From - To	Hours	Code	Sub Code	Description of Operations
11/6/2008	01:00 - 06:00	5.00	TRP	10	POOH
11/7/2008	06:00 - 07:00	1.00	TRP	10	POOH
	07:00 - 07:30	0.50	OTH		CLEAN FLOOR & C/O BIT
	07:30 - 10:30	3.00	TRP	10	RIH FILL PIPE @ TOP OF BHA, & 5350
	10:30 - 13:30	3.00	REAM	1	REAM F/ 7700 T/ 7800
	13:30 - 14:00	0.50	TRP	10	RIN F/ 7800 T/ 10079
	14:00 - 14:30	0.50	CIRC	1	CIRC ECD PILL UP HOLE
	14:30 - 18:00	3.50	REAM	1	SAFTY WASH & REAM TO BOTTOM 760' 25' FILL
	18:00 - 06:00	12.00	DRL	1	DRLG F/ 11909 T/ 11975 WOB 36, GPM 377, DHRPM57, TDRPM 50, DIFF 590, SPP 1955, LCM 10%, ROP 5.5
11/8/2008	06:00 - 09:00	3.00	DRL	1	DRLG F/ 11975 T/ 12005 WOB 35, GPM 377, DHRPM 57, TDRPM 50, DIFF 610, SPP 2050, ROP 10 LCM 10%
	09:00 - 10:00	1.00	RIG	1	RIG SERVICE, CHANGE OIL IN TOP DRIVE MOTOR
	10:00 - 11:30	1.50	DRL	1	DRLG F/ 12005 T/ 12015 SAME AS ABOVE ROP 6.6
	11:30 - 13:30	2.00	CIRC	1	SHUT IN WELL, CIRC GAS THROUGH CHOKE, 50' FLARE
	13:30 - 14:00	0.50	DRL	1	DRLG F/ 12015 T/ 12023, DRLG THROUGH CHOKE, WOB 36, GPM 377, DIFF 540, SPP 1950, CSG PSI 110, FULL OPEN 5' FLARE
	14:00 - 14:30	0.50	OTH		REPAIR FLOW CENCER
	14:30 - 23:30	9.00	DRL	1	DRLG F/ 12023 T/ 12097 DRLG THROUGH CHOKE (FULL OPEN) 110 PSI
	23:30 - 02:30	3.00	RIG	2	C/O HYDROLIC VALVE ON TOP DRIVE & DRIVE COUPLER ON TOP DRIVE MOTOR
	02:30 - 06:00	3.50	DRL	1	DRLG F/ 12097 T/ 12120 WOB 36, GPM 302, DHRPM 45, TDRPM 61, DIFF 181, SPP 1535, ROP 6.5, LOOSING 71 BBL MUD HR RASING LCM TO 15 %
11/9/2008	06:00 - 16:00	10.00	DRL	1	DRLG F/ 12120 T/ 12190 WOB 36, GPM 302, DHRPM 45, TDRPM 61, DIFF 100, SPP 1550, MW 11.3, ROP 7, LCM 15%
	16:00 - 16:30	0.50	RIG	1	RIG SERVICE
	16:30 - 06:00	13.50	DRL	1	DRLG F/ 12190 T/ 12280 WOB 38, GPM 310, DHRPM 46, TDRPM 60, DIF 217, SPP 1550, MW 11.4, LCM 15%, ROP 6.6
11/10/2008	06:00 - 07:30	1.50	DRL	1	DRLG F/ 12280 T/ 12283 WOB 38, GPM 310, DHRPM 45, TDRPM 60, DIFF 220, SSP 1150, MW 11.4, LCM 15%, ROP 2
	07:30 - 08:00	0.50	RIG	1	RIG SERVICE
	08:00 - 20:00	12.00	DRL	1	DRLG F/ 12283 T/ 12376 WOB 38, GPM 310, DHRPM 45, TDRPM 61, DIFF 145, SPP 1550, MW 11.5, LCM 17%, ROP ??
	20:00 - 01:30	5.50	CIRC	1	LOST PARCIAL RETURNS, PICKED UP & CIRC WITH 40 STK, INCREASED LCM CONTANT TO 30%
	01:30 - 02:30	1.00	TRP	2	POOH F/ 12376 T/ 11447 HOLE SWABING
	02:30 - 03:30	1.00	CIRC	1	CIRC & MONITER HOLE FOR LOSSES, HOLE TAKING 20 BBL HR
	03:30 - 06:00	2.50	CIRC	1	FLOW CHECK, HOLE FLOWING 60 BBL HR CIRC BOTTOMS UP, LCM 20%
11/11/2008	06:00 - 07:30	1.50	CIRC	1	CIRC @ 11444 , CUT MW TO 11.4, LCM 20%
	07:30 - 08:00	0.50	TRP	2	RIN TO 11950 HIT BRIDGE
	08:00 - 08:30	0.50	CIRC	1	STAGE PUMPS UP TO 70 STK & MONITOR FOR G/L
	08:30 - 09:00	0.50	REAM	1	WASH TO BOTTOM F/ 11950 T/ 12376
	09:00 - 10:00	1.00	DRL	1	DRLG F/ 12376 T/ 12388 WOB 38, GPM 300, DHRPM 45, TDRPM 60, DIFF 120, SPP 1250, MW 11.4, LCM 20%, ROP 12
	10:00 - 13:00	3.00	CIRC	1	CIRC OUT TRIP GAS THROUGH CHOKE, MAX FLARE 75', MAX GANE 280 BBL, MAX GAS 10,468, MAX CSG, PSI 500
	13:00 - 06:00	17.00	DRL	1	DRLG F/ 12388 T/ 12508 WOB 38, GPM 300, DHRPM 45, TDRPM 61, DIFF75, SPP 1290, MW 11.9, ROP 7.0
11/12/2008	06:00 - 08:30	2.50	DRL	1	DRLG F/ 12508 T/ 12537 WOB 38, GPM 310, DHRPM 46, TDRPM 61, DIFF 137, SPP 1450, MW 11.4, LCM 18%, ROP 19.3
	08:30 - 11:00	2.50	CIRC	1	CIRC BOTTOMS UP % SPOT ECD PILL, 100 BBL 12.9#
	11:00 - 13:30	2.50	TRP	14	SHORT TRIP F/ 12537 T/ 10187 & FLOW CHECK "OK"
	13:30 - 17:00	3.50	CIRC	1	CIRC BOTTOMS UP @ 10187

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Operations Summary Report

Well Name: WV 13A-15-8-21
 Location: 15- 8-S 21-E 26
 Rig Name: UNIT

Spud Date: 8/20/2008
 Rig Release: 12/7/2008
 Rig Number: 232

Date	From - To	Hours	Code	Sub Code	Description of Operations	
11/12/2008	17:00 - 18:00	1.00	OTH		FLOW CHECK & PUMP DRY UP SLUG	
	18:00 - 19:30	1.50	TRP	14	SHORT TRIP F/ 10187 T/ 7700	
	19:30 - 20:00	0.50	OTH		FLOW CHECK "OK" & C/O ROTATINGHEAD	
	20:00 - 23:00	3.00	TRP	14	RIH & STAGE OUT ECD PILL TO 11050	
	23:00 - 01:00	2.00	CIRC	1	CIRC BOTTOMS UP @ 11050	
	01:00 - 01:30	0.50	TRP	14	RIH F/ 11050 T/ 12096	
	01:30 - 02:30	1.00	CIRC	1	CIRC 3,000 STK SEAGE OUT ECD PILL	
	02:30 - 04:00	1.50	REAM	1	WASH & REAM F/ 12096 T/ 12537 F/12440 T/ 12455 HARD REAMING 10 TO 20 K	
11/13/2008	04:00 - 06:00	2.00	CIRC	1	CIRC	
	06:00 - 07:00	1.00	CIRC	1	CIRC FOR LOGS	
	07:00 - 08:30	1.50	TRP	14	SHORT TRIP 6 STD F/ 12537 T/ 11967	
	08:30 - 11:00	2.50	CIRC	1	CIRC BOTTOMS UP & SPOT 100 BBL ECD PILL 12.9 (1.5# OVER MW)	
	11:00 - 12:30	1.50	TRP	2	POOH FOR LOGS	
	12:30 - 13:00	0.50	OTH		FLOW CHECK & PUMP SRY SLUG @ 10162	
	13:00 - 15:30	2.50	TRP	2	POOH F/ 10162 T/ 5430	
	15:30 - 16:00	0.50	OTH		FLOW CHECK	
	16:00 - 18:00	2.00	TRP	2	POOH	
	18:00 - 18:30	0.50	RIG	6	CUT DRLG LINE	
	18:30 - 19:00	0.50	RIG	1	RIG SERVICE	
	19:00 - 20:30	1.50	TRP	2	POOH FOR LOG	
11/14/2008	20:30 - 21:30	1.00	OTH		CLEAN FLOOR	
	21:30 - 06:00	8.50	TRP	1	PJSM RIG UP SCHLUMBERGER & RIN, FILL EVERY 2,000 FT	
	06:00 - 09:00	3.00	TRP	2	RIH WITH LOG ON DP	
	09:00 - 10:30	1.50	TRP	2	CIRC BOTTOMS UP 1/2 ECD PILL @ 11000'	
	10:30 - 11:30	1.00	TRP	2	RIH WITH LOG ON DP F/ 11000 T/ 112077	
	11:30 - 12:30	1.00	CIRC	1	CIRC 3,000 STK TO START ECD PILL PILL MOVING UP HOLE	
	12:30 - 14:30	2.00	REAM	1	WASH F/112077 T/ 12537 SLM IN HOLE 12518' DRILLER DEPTH 12537 18' DIFFERANCE	
	14:30 - 16:30	2.00	CIRC	1	BOTTOMS UP	
	16:30 - 01:30	9.00	TRP	2	POOH LOGGING	
	01:30 - 02:00	0.50	OTH		L/D LOGGING TOOLS	
	02:00 - 06:00	4.00	TRP	2	RIN	
	11/15/2008	06:00 - 08:30	2.50	TRP	2	RIH T/ 11000
08:30 - 10:00		1.50	CIRC	1	CIRC 1/2 ECD PILL OUT @ 11000	
10:00 - 11:00		1.00	TRP	2	RIH F/ 11000 T/ 12000	
11:00 - 11:30		0.50	CIRC	1	CIEC ECD PILL 2500 STK	
11:30 - 12:30		1.00	REAM	1	WASH 5000ft TO BOTTOM	
12:30 - 14:30		2.00	CIRC	1	CIRC BOTTOMS UP & SPOT ECD PILL, 100 BBL 1.5# OVER	
14:30 - 01:00		10.50	TRP	1	PJSM & L/D DP & DC	
01:00 - 03:00		2.00	CSG	1	PJSM & R/P CSG CREW	
03:00 - 06:00		3.00	CSG	2	PJSM & RUN 7" CSG	
11/16/2008		06:00 - 20:30	14.50	CSG	2	RIH WITH 7" CSG BRAKE CIRC EVERY 2,000ft
		20:30 - 23:30	3.00	CIRC	1	CIRC BOTTOMS UP @ 11500 40 STK MIN
		23:30 - 01:00	1.50	CSG	2	RIH WITH 7" CSG TO 12409
11/17/2008	01:00 - 06:00	5.00	REAM	1	ATTEMPT TO WASH TO BOTTOM LOOSING 150 BBL+ HR MUD @ 40 STK	
	06:00 - 16:30	10.50	REAM	1	WASH TO 12490', MUD LOSSES @ 150/250 BBL HR @ 34 STK	
	16:30 - 17:30	1.00	DEQ	4	LAND MANDURAL HANGER	
	17:30 - 21:00	3.50	CIRC	1	WELL FLOWING, CIRC OUT GAS, 50ft FLARE, MAX GAS 4172	
	21:00 - 21:30	0.50	OTH		FLOW CHECK WELL DEAD	
11/18/2008	21:30 - 01:30	4.00	DEQ	4	SET ISOLATION TOOL & PACK OFF	
	01:30 - 06:00	4.50	CMT	2	PJSM WITH HALLIBURTON & CEMENT 7" CSG	
	06:00 - 08:00	2.00	CMT	2	CEMENT 7" CSG; RAN 279 JT OF 7" CAG, LANDED IN HANGER, SHOE @	

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Operations Summary Report

Well Name: WV 13A-15-8-21
 Location: 15- 8-S 21-E 26
 Rig Name: UNIT

Spud Date: 8/20/2008
 Rig Release: 12/7/2008
 Rig Number: 232

Date	From - To	Hours	Code	Sub Code	Description of Operations	
11/18/2008	06:00 - 08:00	2.00	CMT	2	12490; CEMENTED WITH 520 sk FOMED LEAD TO A WT OF 8.5 ppg, 2nd LEAD OF 1385 sk FOMED TO 11.0 ppg, TAIL CEMENT OF 345 sx WT OF 14.3 ppg; 100% RETURNS THROUGH OUT JOB, 257sx RETURNED TO THE PIT, NO CAP JOB	
	08:00 - 09:00	1.00	CMT	1	R/D HALLIBURTON	
	09:00 - 10:00	1.00	DEQ	1	RETRIVE CEMENT ISOLATION TOOL & R/D CAMRON	
	10:00 - 11:00	1.00	OTH		WELD ON DRUM	
	11:00 - 18:30	7.50	BOP	2	PJSM & TEST BOP, LOWER & UPPER KELLY, ISBOP, SAFETY VALVES 250 LOW/ 10,000 HIGH; UPPER ,LOWER, INSIDE & HCR VALVE, CHECK VALVE CHOKE LINES, BLIND RAMS, 250 LOW & 10,000 HIGH; SUPER CHOKE 500, ANNULAR 250 LOW & 5,000 HIGH	
	18:30 - 19:00	0.50	BOP	2	INSTALL WEAR BUSHING	
	19:00 - 20:00	1.00	TRP	1	PJSM R/U FRANKS	
	20:00 - 06:00	10.00	TRP	1	P/U BHA & DP	
	11/19/2008	06:00 - 11:00	5.00	TRP	1	P/U 4" DP
		11:00 - 11:30	0.50	TRP	1	R/D L/D TRUCK
11:30 - 14:30		3.00	RIG	2	WORK ON TOP DRIVE MOTOR	
14:30 - 16:30		2.00	DRL	4	DRGL CEMENT & FLOAT EQUIPMENT TAG CEMENT @ 12400, FLOAT @ 12449, SHOE @ 12494	
16:30 - 17:00		0.50	DRL	1	DRLG F/ 12519 T/ 12529	
17:00 - 18:00		1.00	CIRC	1	CIRC FOR FIT TEST	
18:00 - 19:00		1.00			FIT TEST, PRESURE UP TO 2962 WITH 11.2 MW = TO 15.5	
19:00 - 20:30		1.50	CIRC	1	DISPLACEHOLE WITH OIL BASE MUD	
11/20/2008	20:30 - 06:00	9.50	LOC	7	CLEAN MUD TANKS FOR OIL BASE MUD	
	06:00 - 13:00	7.00	LOC	7	CLEAN MUD TANKS FOR OIL BASE	
	13:00 - 15:00	2.00	CIRC	1	TRANSFER INVERT MUD F/TANK FARM TO MUD PIT & CIRCULATE HOLE WITH INVERT	
11/21/2008	15:00 - 06:00	15.00	DRL	1	DRLG F/ 12,529 TO 12822 , WOB 10/12, GPM 203 ,TDRPM 75, SPP 2100, ROP 19.5' (HAD 750 PSI ON B-SECTION & BLEAD IT DOWN TO 35 PSI / IN 8 HRS & CLOSED IT BACK IN YESTERDAY @ 5:00 THIS MORNING IT HAD 500 PSI ON IT)	
	06:00 - 06:30	0.50	DRL	1	DRLG F/ 12,822 TO 12831 , WOB 10/12, GPM 203 ,TDRPM 75, SPP 2250, ROP 18' (HAD 500 PSI ON B-SECTION)	
	06:30 - 07:00	0.50	RIG	1	RIG SERVICE & SERVICE TOP DRIVE	
	07:00 - 08:30	1.50	DRL	1	DRLG F/ 12,831 TO 12856 , WOB 10/12, GPM 203 ,TDRPM 75, SPP 2250, ROP 16.5'	
	08:30 - 09:30	1.00	CIRC	1	CIRULATE BTMS UP F TRIP & BUILD TRIP SLUG	
	09:30 - 14:30	5.00	TRP	12	TRIP FOR MOTOR & BIT	
	14:30 - 15:30	1.00	TRP	1	P/UP MOTOR & CLEAN FLOOR	
	15:30 - 20:00	4.50	TRP	2	TRIP IN & FILL PIPE 2500-5000-8000	
	20:00 - 21:00	1.00	RIG	6	CUT DRLG LINE	
	21:00 - 22:00	1.00	TRP	2	FINISH TRIP IN	
11/22/2008	22:00 - 22:30	0.50	REAM	1	SAFETY REAM 130' TO BTM (NO FILL)	
	22:30 - 06:00	7.50	DRL	1	DRLG F/ 12,856 TO 13020' , WOB 8/10, GPM 203 ,TDRPM 40, MTR 93 SPP 3000, DIFPSI 300 PSI , ROP 18' (HAD 500 PSI ON B-SECTION)	
	06:00 - 13:30	7.50	DRL	1	DRLG F/ 13,020 TO 13308' , WOB 10/14, GPM 203 ,TDRPM 45, MTR 93 SPP 3200, DIFPSI 400 PSI , ROP 38.4' (HAD 500 PSI ON B-SECTION & OPEN IT UP BLEAD IT DOWN 50 PSI F/ 6 HRS & SHUT IT BACK IN)	
	13:30 - 14:00	0.50	DRL	1	RIG SERVICE & SERVICE TOP DRIVE	
	14:00 - 18:30	4.50	DRL	1	DRLG F/ 13,308 TO 13485' , WOB 10/14, GPM 203 ,TDRPM 45, MTR 93 SPP 3200, DIFPSI 400 PSI , ROP 39.3' (HAD 500 PSI ON B-SECTION)	
	18:30 - 20:30	2.00	CIRC	1	SHUT WELL IN CIRCULATE GAS THRU CHOKE (PIT GAIN 35 BBLS 40-80' FLAIR) (RAISED MUD WT F/ 14.5 TO 14.7)	

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Operations Summary Report

Well Name: WV 13A-15-8-21
 Location: 15- 8-S 21-E 26
 Rig Name: UNIT

Spud Date: 8/20/2008
 Rig Release: 12/7/2008
 Rig Number: 232

Date	From - To	Hours	Code	Sub Code	Description of Operations
11/22/2008	20:30 - 00:00	3.50	DRL	1	DRLG F/ 13,485' TO 13,590' , WOB 10/14, GPM 203 ,TDRPM 45,MTR 93 SPP 3200, DIFPSI 450 PSI , ROP 30' (CLOSED ORBIT VALVE & DRILL THRU CHOKE)
	00:00 - 00:30	0.50	OTH		CHANGE OUT JOINT DRILLED PIPE HAD WASHED FACE ON BOX
	00:30 - 06:00	5.50	DRL	1	DRLG F/ 13,590' TO 13,795' , WOB 10/14, GPM 203 ,TDRPM 45,MTR 93 SPP 3200, DIFPSI 450 PSI , ROP 37.2' (OPENED ORBIT VALVE & GOING DOWN FLOW LINE ON GAS BUSTER) (HAD 350 PSI ON B-SECTION)
11/23/2008	06:00 - 16:30	10.50	DRL	1	DRLG F/ 13,795' TO 14,086' , WOB 12/14, GPM 203 ,TDRPM 45,MTR 93 SPP 3300, DIFPSI 450 PSI , ROP 27.7'
	16:30 - 17:00	0.50	RIG	1	RIG SERVICE & SERVICE TOP DRIVE
	17:00 - 06:00	13.00	DRL	1	DRLG F/ 14,086' TO 14,398' , WOB 14/16, GPM 188 ,TDRPM 45,MTR 93 SPP 3450, DIFPSI 450 PSI , ROP 27.7' (KEPT IT SHUT IN ON B- SECTION & IT DROP F/ 350 PSI TO 250 PSI)
11/24/2008	06:00 - 11:30	5.50	DRL	1	DRLG F/ 14,398' TO 14,568' , WOB 14/16, GPM 188 ,TDRPM 45,MTR 93 SPP 3450, DIFPSI 850 PSI , ROP 30.9'
	11:30 - 12:00	0.50	RIG	1	RIG SERVICE & SERVICE TOP DRIVE
	12:00 - 06:00	18.00	DRL	1	DRLG F/ 14,568' TO 15075 , WOB 10/14, GPM 175 ,TDRPM 30,MTR 80SPP 3200, DIFPSI 450 TO 900 PSI , ROP 28.1' (SHUT IN F/ 24 HRS 450 PSI ON B-SECTION)
11/25/2008	06:00 - 06:30	0.50	OTH		CHANGE OUT JOINT DRILL PIPE WASHED BOX
	06:30 - 10:00	3.50	DRL	1	DRLG F/ 15,075' TO 15,144 , WOB 10/14, GPM 175 ,TDRPM 30,MTR 80 SPP 3200, DIFPSI 450 TO 900 PSI , ROP 28.1'
	10:00 - 12:00	2.00	CIRC	1	CIRCULATE BTMS UP & BUILD ECD PILL @ 16.3
	12:00 - 13:00	1.00	CIRC	1	SPOT 100 BBLs ECD PILL OF 16.3
	13:00 - 14:00	1.00	OTH		FLOW CHECK & HAD UNIT DRILLING MECHANIC CHECK OUT & INSPECT CROWN IT HAD TWO BOLTS BROKE ON INSPECTION PLATE ON BEARING HOUSING IT WAS OK
	14:00 - 15:30	1.50	TRP	10	TRIP OUT 28 STDS SHOE & FLOW CHECK & PUMP DRY SLUG
	15:30 - 19:30	4.00	TRP	10	TRIP OUT F/ BIT & MOTOR
	19:30 - 20:00	0.50	TRP	1	CHANGE OUT MOTORS
	20:00 - 01:00	5.00	TRP	10	TRIP IN & FILL PIPE 1200 - 6000 - 12530
	01:00 - 02:00	1.00	CIRC	1	CIRC & STAGE OUT ECD PILL @ 12,530
	02:00 - 02:30	0.50	TRP	10	TRIP IN
	02:30 - 04:00	1.50	CIRC	1	CIRC & STAGE OUT ECD PILL @13,698 (50-80' FLARE ON BTMS UP)
	04:00 - 04:30	0.50	TRP	10	TRIP IN
	04:30 - 06:00	1.50	CIRC	1	CIRC & STAGE OUT ECD PILL @ 15,135 (50-80' FLARE ON BTMS UP)
	11/26/2008	06:00 - 15:00	9.00	DRL	1
15:00 - 15:30		0.50	RIG	1	RIG SERVICE & SERVICE TOP DRIVE
15:30 - 06:00		14.50	DRL	1	DRLG F/ 15,430' TO15,909, WOB 12, GPM 159 ,TDRPM 30,MTR 80SPP 3000, DIF PSI 250 TO 550 PSI , ROP 33' (ON BUSTER 5' DRILLING FLARE) (ESTAMATE TOP DAKOTA SILT @ 16,552)(200 PSI ON B-SECTION)
11/27/2008	06:00 - 14:00	8.00	DRL	1	DRLG F/ 15,909' TO16,219, WOB 12, GPM 159 ,TDRPM 30,MTR 73 SPP 3000, DIF PSI 250 TO 550 PSI , ROP 38.7' (ON BUSTER 5' DRILLING FLARE)
	14:00 - 14:30	0.50	RIG	1	RIG SERVICE & SERVICE TOP DRIVE
	14:30 - 04:00	13.50	DRL	1	DRLG F/ 16,219' TO 16,572, WOB 12/18, GPM 159 ,TDRPM 30,MTR 73 SPP 3000, DIF PSI 250 TO 550 PSI , ROP 26.1' (ON BUSTER 5' DRILLING FLARE)
11/28/2008	04:00 - 04:30	0.50	SUR	1	DROP SURVEY
	04:30 - 06:00	1.50	CIRC	1	CIRCULATE BTMS UP F/ BIT TRIP (200 PSI ON B-SECTION)
	06:00 - 06:30	0.50	CIRC	1	CIRCULATE BTMS UP (30-50' FLARE)
	06:30 - 07:30	1.00	CIRC	1	SPOT 100 BBLs 16.4 ECD PILL
	07:30 - 08:00	0.50	CIRC	1	FLOW CHECK

CONFIDENTIAL

Operations Summary Report

Well Name: WV 13A-15-8-21
 Location: 15- 8-S 21-E 26
 Rig Name: UNIT

Spud Date: 8/20/2008
 Rig Release: 12/7/2008
 Rig Number: 232

Date	From - To	Hours	Code	Sub Code	Description of Operations
11/28/2008	08:00 - 15:00	7.00	TRP	10	TRIP OUT F/ MOTOR & BIT
	15:00 - 16:00	1.00	TRP	1	HANDLE BHA CHANGE MOTOR & JARS & BIT
	16:00 - 18:30	2.50	TRP	10	TRIP IN & FILL PIPE @ BHA & 5000 & 10,000
	18:30 - 19:00	0.50	OTH		INSTALL ROTATING HEAD
	19:00 - 22:00	3.00	TRP	10	TRIP IN @ 12500
	22:00 - 23:00	1.00	RIG	6	CUT DRILL LINE
	23:00 - 00:30	1.50	CIRC	1	FILL PIPE & CIRCULATE ECD OUT (20 - 30' FLARE)
	00:30 - 01:30	1.00	TRP	10	TRIP IN @ 14,569
	01:30 - 02:00	0.50	CIRC	1	FILL PIPE & CIRCULATE ECD OUT
	02:00 - 03:30	1.50	OTH		REPAIR & CHANGE OUT ROTATING HEAD
	03:30 - 05:00	1.50	CIRC	1	FINISH CIRCULATING OUT ECD PILL (50-80' FLARE)
11/29/2008	05:00 - 06:00	1.00	TRP	10	FINISH TRIP IN
	06:00 - 06:30	0.50	REAM	1	SAFETY REAM 75' TO BTM
	06:30 - 11:00	4.50	DRL	1	DRLG F/ 16,572' TO 16,608, WOB 8/14, GPM 188 ,TDRPM 30,MTR 32 SPP 3200, DIF PSI 150 TO 275 PSI , ROP 8' (ON BUSTER 5' DRILLING FLARE)
	11:00 - 11:30	0.50	RIG	1	RIG SERVICE & SERVICE TOP DRIVE
	11:30 - 06:00	18.50	DRL	1	DRLG F/ 16,608' TO 16,724', WOB 16/18, GPM 188 ,TDRPM 30,MTR 32 SPP 3200, DIF PSI 150 TO 275 PSI , ROP 6.2' (ON BUSTER2'5' DRILLING FLARE)
11/30/2008	06:00 - 15:00	9.00	DRL	1	DRLG F/ 16,724' TO 16,772', WOB 16/18, GPM 188 ,TDRPM 30,MTR 32 SPP 3000, DIF PSI 150 TO 275 PSI , ROP 5.3 (ON BUSTER2'5' DRILLING FLARE)
	15:00 - 15:30	0.50	RIG	1	RIG SERVICE & SERVICE TOP DRIVE
	15:30 - 06:00	14.50	DRL	1	DRLG F/ 16,772' TO 16,860', WOB 18/20, GPM 188 ,TDRPM 30,MTR 32 SPP 3000, DIF PSI 150 TO 275 PSI , ROP 6.0' (ON BUSTER2'5' DRILLING FLARE) (300 PSI ON B-SECTION)
12/1/2008	06:00 - 12:00	6.00	DRL	1	DRLG F/ 16,860' TO 16,898', WOB 18/20, GPM 188 ,TDRPM 30,MTR 32 SPP 3000, DIF PSI 150 TO 275 PSI , ROP 6.3' (ON BUSTER2'5' DRILLING FLARE)
	12:00 - 12:30	0.50	RIG	1	RIG SERVICE & SERVICE TOP DRIVE
	12:30 - 21:30	9.00	DRL	1	DRLG F/ 16,898' TO 16,945, WOB 18/20, GPM 188 ,TDRPM 30,MTR 32 SPP 3000, DIF PSI 150 TO 275 PSI , ROP 5.2' (ON BUSTER2'5' DRILLING FLARE)
	21:30 - 23:00	1.50	CIRC	1	CIRC. BTMS UP & BUILD ECD PILL @ 16.4
12/2/2008	23:00 - 00:00	1.00	CIRC	1	SPOT 100 BBLS ECD PILL & FLOW CHECK
	00:00 - 06:00	6.00	TRP	10	TRIP F/ BIT
	06:00 - 07:00	1.00	TRP	10	FINISH TRIP OUT
	07:00 - 08:00	1.00	TRP	1	L/DOWN MONEL & MOTOR & P/UP 2 JTS HWDP & CHANGE BIT
	08:00 - 09:00	1.00	RIG	2	REPAIR CYLINDER ARM NEED NEW BOLT TOP DRIVE
	09:00 - 16:00	7.00	TRP	10	TRIP IN & FILL PIPE @ BHA & 5000 & 10,000
	16:00 - 17:00	1.00	CIRC	1	STAGE OUT ECD PILL @ 12,537 (10-20' FLARE)
	17:00 - 18:00	1.00	TRP	10	TRIP IN
	18:00 - 20:00	2.00	CIRC	1	STAGE OUT ECD PILL @ 14,769 (30-50' FLARE)
	20:00 - 21:00	1.00	TRP	10	TRIP IN
	21:00 - 21:30	0.50	CIRC	1	STAGE OUT ECD PILL @ 16,901 (30-50' FLARE) (LOST APROX 40 BBLS ON TRIP)
	21:30 - 22:00	0.50	REAM	1	SAFETY REAM 45' TO BTM
	22:00 - 06:00	8.00	DRL	1	DRLG F/ 16,945' TO 16,990, WOB 16/18, GPM 217 ,TDRPM 50,SPP 2600, ROP 5.2' (ON BUSTER2'5' DRILLING FLARE) (400 PSI ON B-SECTION) (LOST APROX 10 BBLS IN SEEPAGE)
12/3/2008	06:00 - 08:30	2.50	CIRC	1	CIRCULATE BTMS UP F/ LOGS
	08:30 - 09:30	1.00	CIRC	1	SPOT 100 BBLS ECD PILL @16.4 APROX COVERS 4,785'
	09:30 - 12:00	2.50	TRP	2	STRAP OUT F/ LOGS @12,205
	12:00 - 13:30	1.50	CIRC	1	CIRCULATE BTMS UP
	13:30 - 14:00	0.50	CIRC	1	SPOT SECOND ECD PILL @ 16.4 APROX COVERS 2,392'

Operations Summary Report

Well Name: WV 13A-15-8-21
 Location: 15- 8-S 21-E 26
 Rig Name: UNIT

Spud Date: 8/20/2008
 Rig Release: 12/7/2008
 Rig Number: 232

Date	From - To	Hours	Code	Sub Code	Description of Operations
12/3/2008	14:00 - 19:30	5.50	TRP	2	FINISH STRAP OUT F/ LOGS (SLM @ 16,989)
	19:30 - 20:00	0.50	RIG	7	HOLD SAFETY MEETING W/ SCHLUMBERGER
	20:00 - 20:30	0.50	LOG	1	R/UP SCHLUMBERGER
	20:30 - 06:00	9.50	LOG	1	LOG W/SCHLUMBERGER @DEPTH17,009'-1RST RUN PEX-AIT/ 2ND RUN OBMI
12/4/2008	06:00 - 06:00	24.00	LOG	1	LOG W/ SCHLUMBERGER, RUN #2 OBML, #3 SONIC SCANNER FROM 7" SHOE TO SURFACE. CALIPER ARMS NOT WORKING, REPAIR TOOL AND RUN IN HOLE WITH BOW SPRINGS TO CENTRALIZE TOOL.
12/5/2008	06:00 - 08:00	2.00	LOG	1	LOG WITH SCHLUMBERGER RUN #3 & RIG DOWN
	08:00 - 09:00	1.00	TRP	15	RIH TO LAY DOWN DP, TO 1150 CIRC BOTTOMS UP
	09:00 - 11:30	2.50	TRP	15	RIN F/ 1150 T/ 9800
	11:30 - 12:30	1.00	CIRC	1	CIRC BOTTOMS UP
	12:30 - 13:30	1.00	RIG	6	CUT DRLG LINE
	13:30 - 14:30	1.00	TRP	15	RIH F/ 9800 T/ 12500
	14:30 - 15:30	1.00	CIRC	1	CIRC 1/2 ECD PILL
	15:30 - 16:30	1.00	TRP	15	RIH T/ 14500
	16:30 - 18:00	1.50	CIRC	1	CITC ECD PILL @ 14,500'.
	18:00 - 19:00	1.00	TRP	15	TIH TO 16482'.
	19:00 - 20:30	1.50	REAM	1	FILL PIPE AND WASH IN HOLE FROM 16,482' TO 16,990'. LAST 5 STANDS.
	20:30 - 23:00	2.50	CIRC	1	CIRCULATE OUT SECOND HALF OF ECD PILL. CUT BACK HEAVE MUD TO 14.9 PPG.
	12/6/2008	23:00 - 00:00	1.00	CIRC	1
00:00 - 06:00		6.00	TRP	3	LAY DOWN DRILL PIPE. DEPTH AT 06:00 HRS 10,500'.
06:00 - 12:00		6.00	TRP	1	L/D 4" STRING F/ 10500 T/ 0000
12:00 - 13:00		1.00	OTH		PULL WEAR BUSHING & CLEAN FLOOR
13:00 - 15:00		2.00	CSG	1	PJSM & RIG UP FRANKS
15:00 - 18:00		3.00	CSG	2	PJSM & RUN 4 1/2" CSG. MAKE UP SHOE TRACT RIH TO 1310'.
18:00 - 01:30		7.50	CSG	2	CONTINUE RUNNING 4.5" CASING TO 9,800'. FILL EVERY 30 JOINTS.
01:30 - 03:00		1.50	CIRC	1	CONTINUE CIRCULATING BOTTOMS UP AT 9,800'.
12/7/2008	03:00 - 06:00	3.00	CSG	1	CONTINUE RUNNING 4 1/2" CSG, FILL EVERY 30 JTS
	06:00 - 08:30	2.50	CSG	2	CON. RUN 4 1/2" CSG T/ 14300
	08:30 - 10:30	2.00	CIRC	1	CIRC OUT 1/2 ECD PILL, 70' FLARE
	10:30 - 12:30	2.00	CSG	2	CON RUN 4 1/2" CSG T/ 16990
	12:30 - 13:30	1.00	CSG	1	RIG DOWN FRANKS
	13:30 - 16:00	2.50	CIRC	1	CIRC BOTTOMS UP, 15" FLARE, LOWER MW TO 14.8 ppg
	16:00 - 17:00	1.00	CMT	1	PJSM & RIG UP HALLIBURTON
	17:00 - 19:30	2.50	CMT	2	CEMENT 4 1/2" CSG SHOE @ 16985; 715 sks CEMENT, NO LOSSES, PUMPED PLUG HELD, TEST CSG TO 1,500 FOR 30 min
12/8/2008	19:30 - 20:00	0.50	CMT	2	TEST CSG TO 1500 FOR 30 MIN
	20:00 - 06:00	10.00	WOT	1	WOC & CLEAN MUD TANKS
	06:00 - 08:00	2.00	WOT	1	WOC; CLEAN MUD TANKS, PREPAIR STACK TO PICK UP
	08:00 - 18:00	10.00	CSG	7	P/U SHORT JT CSG M/U & SLACK OFF, PULL RORARY TABLE, FROGS & ROTATING HEAD, INSTALL FROGS & ROTARY TABLE; SET SLIPS & CUT OFF CSG. ; CLEAN MUD TANKS
12/9/2008	18:00 - 06:00	12.00	LOC	4	RIG DOWN, R/D TOP DRIVE, L/D SERVICE LOOP& WIND WALLS, 5% RIGED DOWN; SHOULD HAVE TRUCKS TOMORROW
	06:00 - 18:00	12.00	LOC	4	RIG DOWN; TOP DRIVE RAIL, BRIDLE UP, R/D MUD TANKS, WINTERZING WOD
12/10/2008	06:00 - 18:00	12.00	LOC	4	LAY OVER DERRICK & UNSTRING, REMOVE CROWN, LOAD OUT BAR HOPPERS; STRIP BACK OBM TO 10.0 ppg
	18:00 - 06:00	12.00	LOC	4	WOD & STRIP BACK OBM; CLEAN PREMIX TANK
12/11/2008	06:00 - 18:00	12.00	LOC	4	RIG DOWN, LOAD OUT MOTOR PACAGE, LOAD OUT OUT FROGS & DOG HOUSE; CLEAN DERRICK
	18:00 - 06:00	12.00	LOC	4	WOD

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Operations Summary Report

Well Name: WV 13A-15-8-21
 Location: 15- 8-S 21-E 26
 Rig Name: UNIT

Spud Date: 8/20/2008
 Rig Release: 12/7/2008
 Rig Number: 232

Date	From - To	Hours	Code	Sub Code	Description of Operations
12/12/2008	06:00 - 18:00	12.00	LOC	4	RIG DOWN & MOVE TO STACK OUT YARD
	18:00 - 06:00	12.00	LOC	4	
12/13/2008	06:00 - 18:00	12.00	LOC	4	RIG DOWN & MOVE TO STACK OUT YARD, INSTALL NIGHT CAP, CLEAN OIL
					BASE TANKS & LOAD OUT
	18:00 - 06:00	12.00	LOC	4	WOD
12/14/2008	06:00 - 12:00	6.00	LOC	4	FINISH LOADING OUT RIG; MOVE QUESTAR EQUIPMENT TO REDWASH
					YARD EVERY THING OFF LOCATION 1200hr

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Operations Summary Report - COMPLETION

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Well Name: WV 13A-15-8-21
 Location: 15- 8-S 21-E 26
 Rig Name:

Spud Date: 8/20/2008
 Rig Release:
 Rig Number:

Date	From - To	Hours	Code	Sub Code	Description of Operations
12/16/2008	08:00 - 13:00	5.00	LOG	2	MIRU OWP ELU. MU AND RIH WITH CCL/GR/CBL/VDL LOGGING TOOLS AND TAG CORRELATED PBTD AT 16,958' (FC @ 16,983'). PRESSURE UP TO 4,000 PSI AND LOG UP TO 5,000'. BLEED PRESSURE TO ZERO AND POOH. RDMO ELU. EST. TOC AT 7,330'. BHT= 324°.
	13:00 - 14:00	1.00	EQT	1	MIRU HIGH DESSERT PUMP AND TEST 4 1/2" CSG TO 10,000 PSI. HELD GOOD. BLEED PRESSURE TO ZERO. RDMO PUMP.
1/2/2009	08:00 - 14:00	6.00	LOC	5	SET 4 1/16" 15K FRAC TREE AND WORK STAND. FILL AND HEAT FRAC TANKS.
1/3/2009	08:00 - 14:00	6.00	LOC	5	SPOT IPS FBE.
1/4/2009	08:00 - 14:00	6.00	PERF	2	RU IPS FB AND OWP ELU. MU & RIH WITH 2.5" GUNS. SHOOT 42 HOLES FROM 16,697' TO 16,960'. 1,200 PSI WHEN GUNS WERE FIRED. 3,600 PSI WITH GUNS AT SURFACE.
	14:00 - 06:00	16.00	STIM	2	MIRU HES FRAC EQUIPMENT.
1/5/2009	05:00 - 18:00	13.00	OTH		HES PUMPS FROZE UP (-25°). WORK ON EQUIPMENT. START FRACING IN MORNING.
1/6/2009	06:00 - 08:30	2.50	STIM	3	FRAC STAGE #1 WITH 1,421 BBLs 35# HYBOR-G CARRYING 47,425 LBS 30/50 SBXL AND 19,811 LBS 30/50 INTERPROP SAND FROM .5 TO 4 PPA. AVG RATE= 34.4 BPM. AVG PSI = 9,063.
	08:30 - 11:45	3.25	PERF	2	STAGE #2. RU OWP ELU. MU & RIH WITH 2.5" GUNS AND 3.44" CFP. SET PLUG AT 16,580' WITH 7,000 PSI. SHOOT 42 HOLES FROM 15,942' TO 16,546'.
	11:45 - 13:15	1.50	STIM	3	FRAC STAGE #2 WITH 2,127 BBLs SLICKWATER CARRYING 19,229 LBS 30/50 SBXL, 20,189 LBS 30/50 INTERPROP SAND FROM .25 TO 1.50 PPA. AVG RATE= 39.4 BPM. AVG PSI = 10,534.
	13:15 - 16:00	2.75	PERF	2	STAGE #3. RU OWP ELU. MU & RIH WITH 2.5" GUNS AND 3.44" CBP. SET PLUG AT 15,840' WITH 8,500 PSI. SHOOT 42 HOLES FROM 15,182' TO 15,822'.
	16:00 - 17:15	1.25	STIM	3	FRAC STAGE #3 WITH 2,432 BBLs SLICKWATER CARRYING 40,670 LBS 30/50 SBXL SAND FROM .25 TO 1.50 PPA. AVG RATE= 42.0 BPM. AVG PSI = 10,863.
	17:15 - 19:45	2.50	PERF	2	STAGE #4. RU OWP ELU. MU & RIH WITH 2.5" GUNS AND 3.44" CFP. SET PLUG AT 15,094' WITH 8,300 PSI. SHOOT 42 HOLES FROM 14,725' TO 15,070'.
1/7/2009	08:15 - 09:30	1.25	STIM	3	FRAC STAGE #4 WITH 2,144 BBLs SLICKWATER CARRYING 40,768 LBS 30/50 SBXL SAND FROM .25 TO 1.50 PPA. AVG RATE= 40.6 BPM. AVG PSI = 9,771.
	09:30 - 12:00	2.50	PERF	2	STAGE #5. RU OWP ELU. MU & RIH WITH 2.5" GUNS AND 3.44" CBP. SET PLUG AT 14,610' WITH 8,000 PSI. SHOOT 42 HOLES FROM 14,089' TO 14,593'.
	12:00 - 13:15	1.25	STIM	3	FRAC STAGE #5 WITH 2,041 BBLs SLICKWATER CARRYING 20,679 LBS 30/50 PREMIUM WHITE, 19,152 LBS 30/50 SBXL SAND FROM .25 TO 1.50 PPA. AVG RATE= 44.5 BPM. AVG PSI = 9,775.
	13:15 - 15:15	2.00	PERF	2	STAGE #6. RU OWP ELU. MU & RIH WITH 2.5" GUNS AND 3.44" CFP. SET PLUG AT 14,000' WITH 7,400 PSI. SHOOT 42 HOLES FROM 13,485' TO 13,954'.
	15:15 - 16:15	1.00	STIM	3	FRAC STAGE #6 WITH 2,056 BBLs SLICKWATER CARRYING 23,132 LBS 30/50 PREMIUM WHITE, 16,709 LBS 30/50 SBXL SAND FROM .25 TO 1.50 PPA. AVG RATE= 44.5 BPM. AVG PSI = 9,508.
	16:15 - 18:15	2.00	PERF	2	STAGE #7. RU OWP ELU. MU & RIH WITH 2.5" GUNS AND 3.44" CBP. SET PLUG AT 13,330' WITH 7,000 PSI. SHOOT 42 HOLES FROM 12,765' TO 13,315'.
	18:15 - 19:00	0.75	STIM	3	FRAC STAGE #7 WITH 2,014 BBLs SLICKWATER CARRYING 25,211 LBS PREMIUM WHITE, 14,310 LBS 30/50 SBXL SAND FROM .25 TO 1.50 PPA. AVG RATE= 44.9 BPM. AVG PSI = 8,292. SDFN
1/8/2009	06:00 - 08:15	2.25	PERF	2	STAGE #8. RU OWP ELU. MU & RIH WITH 2.5" GUNS AND 3.44" CFP. SET PLUG AT 12,650' WITH 5,500 PSI. SHOOT 42 HOLES FROM 12,072' TO 12,630'.
	08:15 - 09:15	1.00	STIM	3	FRAC STAGE #8 WITH 2,259 BBLs SLICKWATER CARRYING 43,207 LBS 30/50 PREMIUM WHITE, 16,028 LBS 30/50 SBXL SAND FROM .50 TO 1.50 PPA. AVG RATE= 41.5 BPM. AVG PSI = 7,315.
	09:15 - 11:15	2.00	PERF	2	STAGE #9. RU OWP ELU. MU & RIH WITH 2.5" GUNS AND 3.44" CBP. SET PLUG AT 11,520' WITH 5,000 PSI. SHOOT 27 HOLES FROM 10,909' TO 11,404'.

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Operations Summary Report

Well Name: WV 13A-15-8-21
 Location: 15- 8-S 21-E 26
 Rig Name:

Spud Date: 8/20/2008
 Rig Release:
 Rig Number:

Date	From - To	Hours	Code	Sub Code	Description of Operations
1/8/2009	11:15 - 12:20	1.08	STIM	3	FRAC STAGE #9 WITH 2,584 BBLs SLICKWATER CARRYING 65,392 LBS 30/50 PREMIUM WHITE, 14,190 LBS 30/50 SBXL SAND FROM .50 TO 2.0 PPA. AVG RATE= 43.4 BPM. AVG PSI = 6,971.
	12:20 - 13:50	1.50	PERF	2	STAGE #10. RU OWP ELU. MU & RIH WITH 2.5" GUNS AND 3.44" CFP. SET PLUG AT 10,834' WITH 4,000 PSI. SHOOT 36 HOLES FROM 10,546' TO 10,812'.
	13:50 - 15:10	1.33	STIM	3	FRAC STAGE #10 WITH 2,348 BBLs SLICKWATER CARRYING 57,543 LBS PREMIUM WHITE, 12,463 LBS 30/50 SBXL SAND FROM .50 TO 2.0 PPA. AVG RATE= 40.6 BPM. AVG PSI = 6,091.
	15:10 - 16:45	1.58	PERF	2	STAGE #11. RU OWP ELU. MU & RIH WITH 2.5" GUNS AND 3.44" CFP. SET PLUG AT 10,030' WITH 3,800 PSI. SHOOT 48 HOLES FROM 9,174' TO 10,011'.
	16:45 - 18:00	1.25	STIM	3	FRAC STAGE #11 WITH 2,394 BBLs SLICKWATER CARRYING 57,357 LBS PREMIUM WHITE, 13,459 LBS 30/50 SBXL SAND FROM .50 TO 2.0 PPA. AVG RATE= 44.4 BPM. AVG PSI = 4,973.
	18:00 - 19:15	1.25	PERF	2	STAGE #12. RU OWP ELU. MU & RIH WITH 2.5" GUNS AND 3.44" CFP. SET PLUG AT 7,890' WITH 2,800 PSI. SHOOT 30 HOLES FROM 7,654' TO 7,872'.
	19:15 - 20:15	1.00	STIM	3	FRAC STAGE #12 WITH 709 BBLs DELTA 200 CARRYING 34,043 LBS PREMIUM WHITE, 21,260 LBS 30/50 SBXL SAND FROM 1 TO 4 PPA. AVG RATE= 44 BPM. AVG PSI = 4,766.
	20:15 - 21:15	1.00	PERF	2	STAGE #13. RU OWP ELU. MU & RIH WITH 2.5" GUNS AND 3.44" CFP. SET PLUG AT 6,980' WITH 1,700 PSI. SHOOT 36 HOLES FROM 6,748' TO 6,968'.
	21:15 - 22:55	1.67	STIM	3	FRAC STAGE #13 WITH 712 BBLs DELTA 200 CARRYING 39,719 LBS PREMIUM WHITE, 13,719 LBS 30/50 SBXL SAND FROM 1 TO 4 PPA. AVG RATE= 44 BPM. AVG PSI = 3,604.
1/9/2009	22:55 - 06:00	7.08	LOC	4	RDMO OWP ELU AND HES FRAC EQUIPMENT. PREP FOR CTDO.
	06:00 - 22:00	16.00	DRL	6	MIRU IPS CTU, GCDOE AND SPIRIT FLUIDS. LOAD CT WITH 120° WATER. MU QES 2 7/8" MOTOR/JARS AND 3.55" 5-BLADE JUNK MILL. TEST STACK TO 8,000 PSI. RIH AND DRILL OUT 12 PLUGS IN 7.5 HOURS TO PBTD DEPTH OF 16,983'. PUMP FINAL SWEEP AND POOH. RDMO IPS CTU, GCDOE & SPIRIT FLUIDS.
1/10/2009	22:00 - 06:00	8.00	PTST	2	FLOWING TO SALES THROUGH IPS FBE.
1/11/2009	06:00 - 06:00	24.00	PTST	2	FLOWING TO SALES THROUGH IPS FBE.
1/12/2009	06:00 - 06:00	24.00	PTST	2	FLOWING TO SALES THROUGH IPS FBE.
1/13/2009	06:00 - 06:00	24.00	PTST	2	RDMO IPS FBE. FLOWING TO SALES THROUGH PRODUCTION EQUIPMENT.

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UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

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FORM APPROVED OMB NO. 1004-0137 Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. UTU-0807

1a. Type of Well [] Oil Well [x] Gas Well [] Dry [] Other
b. Type of Completion: [x] New Well [] Work Over [] Deepen [] Plug Back [] Diff. Resrv.

6. If Indian, Allottee or Tribe Name UTE TRIBE

7. Unit or CA Agreement Name and No. WONSITS VALLEY UNIT

2. Name of Operator Questar Exploration & Production Co.

8. Lease Name and Well No. WV 13A 15 8 21

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

3a. Phone No. (include area code) 435.781.4342 - Dahn Caldwell

9. AFI Well No. 43-047-39039

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
1340' FSL, 1334' FWL, SWSW, SEC 15-T8S-R21E
At surface
1340' FSL, 1334' FWL, SWSW, SEC 15-T8S-R21E
At top prod. interval reported below
1340' FSL, 1334' FWL, SWSW, SEC 15-T8S-R21E
At total depth

10. Field and Pool or Exploratory WONSITS VALLEY

11. Sec., T., R., M., on Block and Survey or Area SEC 15-T8S-R21E

12. County or Parish UINTAH 13. State UT

14. Date Spudded 08/20/2008

15. Date T.D. Reached 11/28/2008

16. Date Completed 01/09/2009 [] D & A [x] Ready to Prod.

17. Elevations (DF, RKB, RT, GL)* 4812' KB

18. Total Depth: MD 16,990' TVD

19. Plug Back T.D.: MD 16,983' TVD

20. Depth Bridge Plug Set: MD N/A TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL, Array Induction Tool/Comp Neutron, Cased Hole Neutron

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

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

Table with columns: Hole Size, Size/Grade, Wt. (#/ft.), Top (MD), Bottom (MD), Stage Cementer Depth, No. of Sk. & Type of Cement, Slurry Vol. (BBL), Cement Top*, Amount Pulled

24. Tubing Record

Table with columns: Size, Depth Set (MD), Packer Depth (MD), Size, Depth Set (MD), Packer Depth (MD), Size, Depth Set (MD), Packer Depth (MD)

25. Producing Intervals

Table with columns: Formation, Top, Bottom

26. Perforation Record

Table with columns: Perforated Interval, Size, No. Holes, Perf. Status

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

Table with columns: Depth Interval, Amount and Type of Material

28. Production - Interval A

Table with columns: Date First Produced, Test Date, Hours Tested, Test Production, Oil BBL, Gas MCF, Water BBL, Oil Gravity Corr. API, Gas Gravity, Production Method

28a. Production - Interval B

Table with columns: Date First Produced, Test Date, Hours Tested, Test Production, Oil BBL, Gas MCF, Water BBL, Oil Gravity Corr. API, Gas Gravity, Production Method

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*(See instructions and spaces for additional data on page 2)

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28b. Production - Interval C

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

28c. Production - Interval D

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

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
GREEN RIVER	2646			MANCOS 'B'	12927
MAHOGANY	3396			FRONTIER	15594
WASATCH	6013			DAKOTA SILT	16492
MESA VERDE	9158			DAKOTA	16697
CASTLEGATE	11651				
BLACKHAWK	11990				
MANCOS	12439				

32. Additional remarks (include plugging procedure):

FUTURE OIL PROSPECTS ARE GREEN RIVER AND MAHOGANY

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- Electrical/Mechanical Logs (1 full set req'd.)
 Geologic Report
 DST Report
 Directional Survey
 Sundry Notice for plugging and cement verification
 Core Analysis
 Other: PERFORATION & FRACING REPORT

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

Name (please print) JIM SIMONTON Title COMPLETION SUPERVISOR
 Signature Jim Simonton (dfc) Date 02/04/2009

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.

(Continued on page 3)

CONFIDENTIAL (Form 100-4, page 2)

WV 13A 15-8-21 – ATTACHMENT ONE
PERFORATION DETAIL:

Open Perfs	Stimulation					Perf Status
6748' – 6749'	Frac w/	53,438	Lbs in	29,904	Gals	Open – Wasatch
6760' – 6761'						Open – Wasatch
6768' – 6770'						Open – Wasatch
6778' – 6780'						Open – Wasatch
6944' – 6945'						Open – Wasatch
6948' – 6949'						Open – Wasatch
6960' – 6962'						Open – Wasatch
6966' – 6968'	Open – Wasatch					
7654' – 7656'	Frac w/	55,303	Lbs in	29,778	Gals	Open – Wasatch
7666' – 7667'						Open – Wasatch
7746' – 7748'						Open – Wasatch
7752' – 7753'						Open – Wasatch
7857' – 7858'						Open – Wasatch
7864' – 7865'						Open – Wasatch
7870' – 7872'	Open – Wasatch					
9174' – 9175'	Frac w/	70,816	Lbs in	100,548	Gals	Open – Mesa Verde
9187' – 9188'						Open – Mesa Verde
9589' – 9590'						Open – Mesa Verde
9593' – 9595'						Open – Mesa Verde
9750' – 9751'						Open – Mesa Verde
9755' – 9757'						Open – Mesa Verde
9900' – 9902'						Open - LMV
9980' – 9981'						Open - LMV
9985' – 9987'						Open - LMV
9991' – 9993'						Open - LMV
10010' – 10011'	Open - LMV					
10546' – 10548'	Frac w/	70,006	Lbs in	98,616	Gals	Open - LMV
10634' – 10636'						Open - LMV
10674' – 10675'						Open - LMV
10687' – 10688'						Open - LMV
10728' – 10729'						Open - LMV
10757' – 10758'						Open - LMV
10780' – 10782'						Open - LMV
10810' – 10812'	Open - LMV					
10909' – 10910'	Frac w/	79,582	Lbs in	108,528	Gals	Open - LMV
11007' – 11008'						Open - LMV
11214' – 11215'						Open - LMV
11224' – 11225'						Open - LMV
11289' – 11290'						Open - LMV
11295' – 11296'						Open - LMV
11390' – 11391'						Open - LMV
11395' – 11396'						Open - LMV
11403' – 11404'	Open - LMV					

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12072' - 12074'	Frac w/	59,235	Lbs in	94,878	Gals	Open - Blackhawk
12141' - 12143'						Open - Blackhawk
12235' - 12237'						Open - Blackhawk
12394' - 12396'						Open - Blackhawk
12402' - 12404'						Open - Blackhawk
12609' - 12611'						Open - Blackhawk
12628' - 12630'						Open - Blackhawk
12765' - 12767'	Frac w/	39,521	Lbs in	84,588	Gals	Open - Mancos
12860' - 12861'						Open - Mancos
12936' - 12938'						Open - Mancos 'B'
12950' - 12952'						Open - Mancos 'B'
12977' - 12979'						Open - Mancos 'B'
13066' - 13068'						Open - Mancos
13172' - 13174'						Open - Mancos
13314' - 13315'	Open - Mancos					
13485' - 13488'	Frac w/	39,841	Lbs in	86,352	Gals	Open - Mancos
13626' - 13628'						Open - Mancos
13810' - 13812'						Open - Mancos
13848' - 13851'						Open - Mancos
13886' - 13888'						Open - Mancos
13952' - 13954'						Open - Mancos
14089' - 14091'	Frac w/	39,831	Lbs in	85,722	Gals	Open - Mancos
14166' - 14168'						Open - Mancos
14224' - 14226'						Open - Mancos
14341' - 14343'						Open - Mancos
14455' - 14457'						Open - Mancos
14522' - 14524'						Open - Mancos
14591' - 14593'	Open - Mancos					
14725' - 14727'	Frac w/	40,768	Lbs in	90,048	Gals	Open - Mancos
14796' - 14798'						Open - Mancos
14870' - 14872'						Open - Mancos
14915' - 14917'						Open - Mancos
14969' - 14971'						Open - Mancos
15017' - 15019'						Open - Mancos
15068' - 15070'						Open - Mancos
15182' - 15183'	Frac w/	40,670	Lbs in	102,144	Gals	Open - Mancos
15253' - 15254'						Open - Mancos
15337' - 15338'						Open - Mancos
15395' - 15396'						Open - Mancos
15489' - 15490'						Open - Mancos
15604' - 15606'						Open - Frontier
15643' - 15644'						Open - Frontier
15682' - 15684'						Open - Frontier
15776' - 15778'						Open - Frontier
15820' - 15822'						Open - Frontier

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15942' - 15944'						Open - Frontier
16047' - 16048'						Open - Frontier
16107' - 16108'						Open - Frontier
16173' - 16174'						Open - Frontier
16199' - 16200'	Frac w/	39,418	Lbs in	89,334	Gals	Open - Frontier
16272' - 16273'						Open - Frontier
16408' - 16410'						Open - Dakota Silt
16503' - 16507'						Open - Dakota Silt
16545' - 16546'						
16697' - 16699'						Open - Dakota
16705' - 16706'						Open - Dakota
16819' - 16821'						Open - Dakota 'C'
16862' - 16863'						Open - Dakota 'C'
16866' - 16868'	Frac w/	67,236	Lbs in	59,682	Gals	Open - Dakota 'C'
16936' - 16938'						Open - Dakota 'C'
16940' - 16943'						Open - Dakota 'C'
16959' - 16960'						Open - Dakota 'C'

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

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

5. Lease Serial No. **UTU - 0807**

6. If Indian, Allottee or Tribe Name
UTE TRIBE

7. If Unit of CA/Agreement, Name and/or No.
WONSITS VALLEY UNIT

8. Well Name and No.
WV 13A-15-8-21

9. API Well No. **43-047-39039**

10. Field and Pool or Exploratory Area
WONSITS VALLEY

11. Country or Parish, State
UINTAH, UTAH

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
QUESTAR EXPLORATION & PRODUCTION CO. CONTACT: Mike Stahl

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

3b. Phone No. (include area code)
(303) 308-3613

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1340' FSL 1334' FWL, SWSW, SECTION 15, T8S, R21E

12. CHECK THE APPROPRIATE BOX(ES) 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"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other COMMINGLING
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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

In Compliance with the Administrative Utah code for drilling and operating practice R649-3-22, completion into two or more pools. Questar Exploration & Production Company hereby requests the commingling of production between intervals in the WV 13A-15-8-21. 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 gas streams.

Questar requests approval for the commingling of production of the Dakota and Wasatch intervals. Based upon offset production logs, the proposed initial allocation is as follows: Dakota - 10% ; Mancos - 40% ; Mesa Verde - 40% ; Wasatch - 10%.

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.

COPY SENT TO OPERATOR

Date: 4.14.2009
Initials: KS

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)
Laura Bills Title **Associate Regulatory Affairs Analyst**

Signature *Laura Bills* Date **03/12/2009**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by *[Signature]* Title **Pet. Eng.** Date **4/13/09**

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

Office **DOGm** Federal Approval Of This Action Is Necessary

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, in any statement or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

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MAR 16 2009

DIV. OF OIL, GAS & MINING

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AFFIDAVIT OF NOTICE

STATE OF COLORADO)
) ss:
COUNTY OF DENVER)

Nathan C. Koeniger, being duly sworn, deposes and says:

- 1. That I am employed by Questar Exploration and Production Company in the capacity as a Landman. My business address is:

Independence Plaza
1050 17th Street, Suite 500
Denver, CO 80265

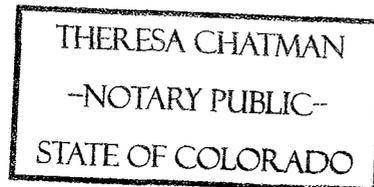
- 2. In my capacity as a Landman, pursuant to the provisions of Utah Administrative Rule 649-3-22, I have provided a copy of Questar Exploration and Production Company's application for completion of the WV 13A-15-8-21 well into two or more pools, in the form of Utah Division of Oil, Gas and Mining's 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 Exploration and Production Company's application to contiguous owners and to make this affidavit on this 4th day of March 2009.

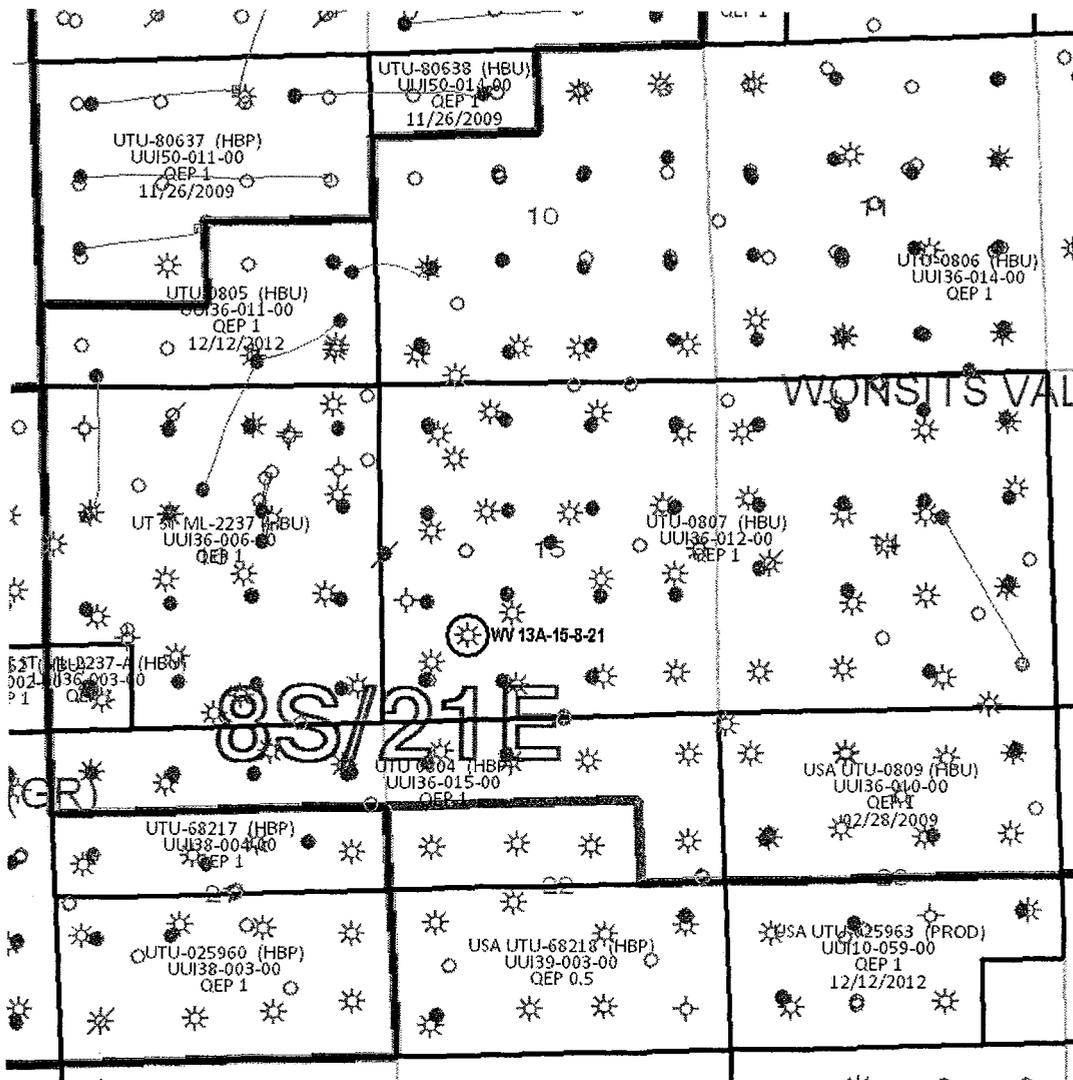

Printed Name: Nathan C. Koeniger

The foregoing instrument was sworn to and subscribed before me this 4th day of March 2009, by Nathan C. Koeniger.


Notary Public

MY COMMISSION EXPIRES: 7/7/11





T8S-R21E

○ Commingled well

<p>Tw / Kmv COMMINGLED PRODUCTION Uinta Basin—Uintah County, Utah</p>				
<p>Well: WV 13A-15-8-21 Lease: UTU 0807</p>				
<p>QUESTAR <i>Exploration and Production</i></p> <p><small>1050 17th St., # 500 Denver, CO 80265</small></p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Geologist:</td> </tr> <tr> <td style="padding: 2px;">Landman: Nate Koeniger/Chad Matney/Birgit Roesink</td> </tr> <tr> <td style="padding: 2px;">Date: February 17, 2009</td> </tr> </table>	Geologist:	Landman: Nate Koeniger/Chad Matney/Birgit Roesink	Date: February 17, 2009
Geologist:				
Landman: Nate Koeniger/Chad Matney/Birgit Roesink				
Date: February 17, 2009				

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING
 CDW

Change of Operator (Well Sold)

X - Operator Name Change

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

6/14/2010

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

CA No.

Unit:

WONSITS VALLEY

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

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/28/2010
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/28/2010
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/24/2010
- Is the new operator registered in the State of Utah: Business Number: 764611-0143
- (R649-9-2) Waste Management Plan has been received on: Requested
- Inspections of LA PA state/fee well sites complete on: n/a
- Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 8/16/2010 BIA not yet
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: 8/16/2010
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 6/29/2010

DATA ENTRY:

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

BOND VERIFICATION:

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

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:
See attached

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
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.

7. UNIT or CA AGREEMENT NAME:
See attached

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

8. WELL NAME and NUMBER:
See attached

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

9. API NUMBER:
Attached

3. ADDRESS OF OPERATOR:
1050 17th Street, Suite 500 Denver, STATE CO ZIP 80265

PHONE NUMBER:
(303) 672-6900

10. FIELD AND POOL, OR WILDCAT:
See attached

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

COUNTY: Attached
STATE: UTAH

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

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

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

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

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

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

(This space for State use only)

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JUN 28 2010

DIV. OF OIL, GAS & MINING

APPROVED 6/13/2010
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)

WONSITS VALLEY

effective June 14, 2010

well_name	sec	twp	rng	api	entity	mineral lease	type	stat	C
WV 43	11	080S	210E	4304715471	5265	Federal	OW	P	
WV 48	10	080S	210E	4304715476	5265	Federal	OW	P	
WV 53	10	080S	210E	4304720003	5265	Federal	OW	P	
WV 55	14	080S	210E	4304720005	5265	Federal	OW	P	
WV 62	10	080S	210E	4304720024	5265	Federal	OW	P	
WV 65	15	080S	210E	4304720041	5265	Federal	OW	P	
WV 83 WG	23	080S	210E	4304720205	17123	Federal	GW	P	
WV 103	14	080S	210E	4304730021	5265	Federal	OW	P	
WV 104	15	080S	210E	4304730022	5265	Federal	OW	P	
WV 105	10	080S	210E	4304730023	5265	Federal	OW	P	
WV 109	15	080S	210E	4304730045	5265	Federal	OW	P	
WV 110	14	080S	210E	4304730046	5265	Federal	OW	P	
WV 112	15	080S	210E	4304730048	5265	Federal	OW	P	
WV 124	15	080S	210E	4304730745	5265	Federal	OW	P	
WV 128	10	080S	210E	4304730798	5265	Federal	OW	P	
WV 132	15	080S	210E	4304730822	5265	Federal	OW	P	
WV 136	21	080S	210E	4304731047	5265	Federal	OW	S	
WV 137	11	080S	210E	4304731523	5265	Federal	OW	P	
WV 133	15	080S	210E	4304731706	5265	Federal	OW	P	
WV 144	10	080S	210E	4304731807	5265	Federal	OW	P	
WV 145	18	080S	220E	4304731820	17123	Federal	GW	P	
WV 121	14	080S	210E	4304731873	5265	Federal	OW	TA	
WV 135-2	21	080S	210E	4304732016	5265	Federal	OW	P	
WV 130	22	080S	210E	4304732307	5265	Federal	OW	P	
WV 119	21	080S	210E	4304732461	5265	Federal	OW	P	
WV 54 WG	07	080S	220E	4304732821	17123	Federal	GW	P	
WV 69 WG	18	080S	220E	4304732829	17123	Federal	GW	P	
WV 38 WG	08	080S	220E	4304732831	17123	Federal	GW	P	
WV 49 WG	08	080S	220E	4304732832	17123	Federal	GW	P	
WV 138 WG	18	080S	220E	4304733054	17123	Federal	GW	P	
WV 14 WG	12	080S	210E	4304733070	17123	Federal	GW	P	
WV 11 WG	12	080S	210E	4304733085	17123	Federal	GW	P	
WV 81 WG	24	080S	210E	4304733086	17123	Federal	GW	S	
WV 146 WG	19	080S	220E	4304733128	17123	Federal	GW	P	
WV 1W-14-8- 21	14	080S	210E	4304733220	17123	Federal	GW	P	
WV 5W-13- 8-21	13	080S	210E	4304733221	17123	Federal	GW	P	
WV 46 WG	07	080S	220E	4304733241	17123	Federal	GW	P	
WV 9W-14-8-21	14	080S	210E	4304733269	17123	Federal	GW	P	
WV 7W-13-8-21	13	080S	210E	4304733270	17123	Federal	GW	P	
WV 1W-18-8-22	18	080S	220E	4304733294	17123	Federal	GW	P	
WV 11W-8-8-22	08	080S	220E	4304733295	17123	Federal	GW	P	
WV 3W-8-8-22	08	080S	220E	4304733493	17123	Federal	GW	S	
WV 5W-7-8-22	07	080S	220E	4304733494	17123	Federal	GW	S	
WV 11W-7-8-22	07	080S	220E	4304733495	17123	Federal	GW	P	
WV 13W-7-8-22	07	080S	220E	4304733496	17123	Federal	GW	P	
WV 1W-7-8-22	07	080S	220E	4304733501	17123	Federal	GW	P	
WV 3W-7-8-22	07	080S	220E	4304733502	17123	Federal	GW	P	
WV 7WRG-7-8-22	07	080S	220E	4304733503	5265	Federal	OW	P	
WV 16W-9-8-21	09	080S	210E	4304733529	17123	Federal	GW	P	

Bonds: BLM = ESB000024

BIA = 956010693

State = 965010695

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

well_name	sec	tpw	rng	api	entity	mineral lease	type	stat	C
WV 1W-12-8-21	12	080S	210E	4304733531	17123	Federal	GW	S	
WV 1W-13-8-21	13	080S	210E	4304733532	17123	Federal	GW	S	
WV 3W-18-8-22	18	080S	220E	4304733533	17123	Federal	GW	P	
WV 9W-12-8-21	12	080S	210E	4304733534	17123	Federal	GW	P	
WV 11W-12-8-21	12	080S	210E	4304733535	17123	Federal	GW	P	
WV 11W-13-8-21	13	080S	210E	4304733536	17123	Federal	GW	P	
WV 13W-12-8-21	12	080S	210E	4304733537	17123	Federal	GW	S	
WV 13W-18-8-22	18	080S	220E	4304733538	17123	Federal	GW	P	
WV 16G-9-8-21	09	080S	210E	4304733565	5265	Federal	OW	P	
WV 1W-21-8-21	21	080S	210E	4304733602	17123	Federal	GW	P	
WV 3W-13-8-21	13	080S	210E	4304733603	17123	Federal	GW	S	
WV 3W-22-8-21	22	080S	210E	4304733604	17123	Federal	GW	P	
WV 3W-24-8-21	24	080S	210E	4304733605	17123	Federal	GW	P	
WV 13W-14-8-21	14	080S	210E	4304733607	17123	Federal	GW	P	
WV 1W-24-8-21	24	080S	210E	4304733613	17123	Federal	GW	P	
WV 11W-18-8-22	18	080S	220E	4304733626	17123	Federal	GW	P	
WV 2W-10-8-21	10	080S	210E	4304733655	17123	Federal	GW	P	
WV 4W-11-8-21	11	080S	210E	4304733657	17123	Federal	GW	P	
WV 12W-10-8-21	10	080S	210E	4304733659	17123	Federal	GW	S	
WV 12G-10-8-21	10	080S	210E	4304733660	5265	Federal	OW	P	
WV 15W-9-8-21	09	080S	210E	4304733661	17123	Federal	GW	P	
WV 15G-9-8-21	09	080S	210E	4304733662	5265	Federal	OW	P	
WV 2W-13-8-21	13	080S	210E	4304733791	17123	Federal	GW	P	
WV 6W-13-8-21	13	080S	210E	4304733792	17123	Federal	GW	P	
WV 8W-13-8-21	13	080S	210E	4304733793	17123	Federal	GW	P	
WV 10W-1-8-21	01	080S	210E	4304733794	17123	Federal	GW	TA	
WV 10W-13-8-21	13	080S	210E	4304733795	17123	Federal	GW	P	
WV 12W-7-8-22	07	080S	220E	4304733808	17123	Federal	GW	P	
WV 6W-8-8-22	08	080S	220E	4304733811	17123	Federal	GW	P	
WV 7W-8-8-22	08	080S	220E	4304733812	17123	Federal	GW	P	
WV 10W-7-8-22	07	080S	220E	4304733813	17123	Federal	GW	P	
WV 12W-8-8-22	08	080S	220E	4304733815	17123	Federal	GW	P	
WV 14W-7-8-22	07	080S	220E	4304733816	17123	Federal	GW	P	
WV 16W-7-8-22	07	080S	220E	4304733817	17123	Federal	GW	P	
WV 6W-7-8-22	07	080S	220E	4304733828	17123	Federal	GW	P	
WV 6W-18-8-22	18	080S	220E	4304733842	17123	Federal	GW	P	
WV 6WC-18-8-22	18	080S	220E	4304733843	17123	Federal	GW	P	
WV 6WD-18-8-22	18	080S	220E	4304733844	17123	Federal	GW	P	
WV 5W-23-8-21	23	080S	210E	4304733860	17123	Federal	GW	P	
WV 7W-23-8-21	23	080S	210E	4304733861	17123	Federal	GW	P	
WV 8W-12-8-21	12	080S	210E	4304733862	17123	Federal	GW	P	
WV 10W-12-8-21	12	080S	210E	4304733863	17123	Federal	GW	P	
WV 14W-12-8-21	12	080S	210E	4304733864	17123	Federal	GW	P	
WV 16W-12-8-21	12	080S	210E	4304733865	17123	Federal	GW	P	
WV 1W-15-8-21	15	080S	210E	4304733902	17123	Federal	GW	S	
WV 1W-22-8-21	22	080S	210E	4304733903	17123	Federal	GW	S	
WV 1W-23-8-21	23	080S	210E	4304733904	17123	Federal	GW	P	
WV 6W-11-8-21	11	080S	210E	4304733906	17123	Federal	GW	P	
WV 7W-24-8-21	24	080S	210E	4304733908	17123	Federal	GW	P	

Bonds: BLM = ESB000024

BIA = 956010693

State = 965010695

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

well_name	sec	tpw	rng	api	entity	mineral lease	type	stat	C
WV 10W-11-8-21	11	080S	210E	4304733910	17123	Federal	GW	P	
WV 11W-15-8-21	15	080S	210E	4304733911	17123	Federal	GW	P	
WV 13W-11-8-21	11	080S	210E	4304733913	17123	Federal	GW	S	
WV 13W-15-8-21	15	080S	210E	4304733914	17123	Federal	GW	P	
WV 15W-10-8-21	10	080S	210E	4304733916	17123	Federal	GW	P	
WV 15W-15-8-21	15	080S	210E	4304733917	17123	Federal	GW	P	
WV 5W-14-8-21	14	080S	210E	4304733953	17123	Federal	GW	P	
WV 7W-14-8-21	14	080S	210E	4304733955	17123	Federal	GW	P	
WV 8W-11-8-21	11	080S	210E	4304733957	17123	Federal	GW	S	
WV 8W-14-8-21	14	080S	210E	4304733958	17123	Federal	GW	P	
WV 9W-15-8-21	15	080S	210E	4304733959	17123	Federal	GW	P	
WV 12W-13-8-21	13	080S	210E	4304733961	17123	Federal	GW	P	
WV 14W-13-8-21	13	080S	210E	4304733962	17123	Federal	GW	P	
WV 15W-14-8-21	14	080S	210E	4304733963	17123	Federal	GW	P	
WV 2W-18-8-22	18	080S	220E	4304733986	17123	Federal	GW	P	
WV 8W-18-8-22	18	080S	220E	4304733989	17123	Federal	GW	P	
WV 10W-18-8-22	18	080S	220E	4304733991	17123	Federal	GW	P	
WV 12W-18-8-22	18	080S	220E	4304733993	17123	Federal	GW	S	
WV 14W-18-8-22	18	080S	220E	4304733995	17123	Federal	GW	P	
WV 8W-1-8-21	01	080S	210E	4304734009	17123	Federal	GW	OPS	C
WV 4W-17-8-22	17	080S	220E	4304734038	17123	Federal	GW	P	
WV 12G-1-8-21	01	080S	210E	4304734108	5265	Federal	OW	TA	
WV 2W-14-8-21	14	080S	210E	4304734140	17123	Federal	GW	P	
GH 2W-21-8-21	21	080S	210E	4304734141	17123	Federal	GW	P	
WV 2W-23-8-21	23	080S	210E	4304734142	17123	Federal	GW	P	
WV 3W-21-8-21	21	080S	210E	4304734143	17123	Federal	GW	P	
WV 4W-13-8-21	13	080S	210E	4304734144	17123	Federal	GW	P	
WV 4W-21-8-21	21	080S	210E	4304734145	17123	Federal	GW	P	
WV 4W-22-8-21	22	080S	210E	4304734146	17123	Federal	GW	P	
WV 16W-11-8-21	11	080S	210E	4304734155	5265	Federal	GW	P	
WV 3W-19-8-22	19	080S	220E	4304734187	17123	Federal	GW	P	
WV 4W-23-8-21	23	080S	210E	4304734188	17123	Federal	GW	P	
WV 6W-23-8-21	23	080S	210E	4304734189	17123	Federal	GW	S	
WV 2W-15-8-21	15	080S	210E	4304734242	17123	Federal	GW	P	
WV 2W-22-8-21	22	080S	210E	4304734243	17123	Federal	GW	P	
WV 4W-14-8-21	14	080S	210E	4304734244	17123	Federal	GW	S	
WV 6W-12-8-21	12	080S	210E	4304734245	5265	Federal	GW	TA	
WV 7W-15-8-21	15	080S	210E	4304734246	17123	Federal	GW	P	
WV 8W-15-8-21	15	080S	210E	4304734247	17123	Federal	GW	P	
WV 12W-12-8-21	12	080S	210E	4304734248	17123	Federal	GW	TA	
WV 14W-15-8-21	15	080S	210E	4304734249	17123	Federal	GW	P	
WV 16W-10-8-21	10	080S	210E	4304734250	17123	Federal	GW	P	
WV 16W-15-8-21	15	080S	210E	4304734251	17123	Federal	GW	P	
WV 3W-12-8-21	12	080S	210E	4304734267	17123	Federal	GW	OPS	C
WV 4D-12-8-21	12	080S	210E	4304734268	17123	Federal	GW	OPS	C
WV 6W-14-8-21	14	080S	210E	4304734271	17123	Federal	GW	S	
WV 9W-11-8-21	11	080S	210E	4304734274	17123	Federal	GW	OPS	C
WV 10W-14-8-21	14	080S	210E	4304734275	17123	Federal	GW	P	
WV 11W-14-8-21	14	080S	210E	4304734277	17123	Federal	GW	P	

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

well_name	sec	tpw	rng	api	entity	mineral lease	type	stat	C
WV 12W-14-8-21	14	080S	210E	4304734279	17123	Federal	GW	TA	
WV 14M-11-8-21	11	080S	210E	4304734280	17123	Federal	GW	P	
WV 14W-14-8-21	14	080S	210E	4304734281	17123	Federal	GW	S	
WV 16G-14-8-21	14	080S	210E	4304734283	5265	Federal	OW	P	
WV 3MU-15-8-21	15	080S	210E	4304734289	17123	Federal	GW	P	
WV 4MU-15-8-21	15	080S	210E	4304734291	17123	Federal	GW	P	
WV 5MU-15-8-21	15	080S	210E	4304734293	17123	Federal	GW	P	
WV 6W-15-8-21	15	080S	210E	4304734294	17123	Federal	GW	P	
WV 10W-15-8-21	15	080S	210E	4304734295	17123	Federal	GW	P	
WV 4W-24-8-21	24	080S	210E	4304734330	17123	Federal	GW	P	
WV 8M-23-8-21	23	080S	210E	4304734339	17123	Federal	GW	P	
WV 8W-24-8-21	24	080S	210E	4304734340	17123	Federal	GW	P	
WV 2W-8-8-22	08	080S	220E	4304734468	17123	Federal	GW	P	
WV 8W-7-8-22	07	080S	220E	4304734469	17123	Federal	GW	S	
WV 8W-22-8-21	22	080S	210E	4304734564	17123	Federal	GW	P	
WV 14MU-10-8-21	10	080S	210E	4304735879	17123	Federal	GW	P	
WV 13MU-10-8-21	10	080S	210E	4304736305	17123	Federal	GW	P	
WV 3D-13-8-21	13	080S	210E	4304737923	17123	Federal	GW	OPS	C
WV 14DML-12-8-21	12	080S	210E	4304737924	17123	Federal	GW	P	
WV 15AML-12-8-21	12	080S	210E	4304737925	17123	Federal	GW	OPS	C
WV 13DML-10-8-21	10	080S	210E	4304737926	17123	Federal	GW	P	
WV 4DML-15-8-21	15	080S	210E	4304737927	17123	Federal	GW	P	
WV 11AD-14-8-21	14	080S	210E	4304738049	17123	Federal	GW	P	
WV 6-24-8-21	24	080S	210E	4304738663	17123	Federal	GW	P	
WV 2ML-24-8-21	24	080S	210E	4304738664		Federal	GW	APD	C
WV 16C-14-8-21	14	080S	210E	4304738737	17123	Federal	GW	P	
WV 7BML-24-8-21	24	080S	210E	4304738970		Federal	GW	APD	C
WV 7AML-12-8-21	12	080S	210E	4304739035		Federal	GW	APD	C
WV 14BML-12-8-21	12	080S	210E	4304739036		Federal	GW	APD	C
WV 14B-13-8-21	13	080S	210E	4304739037		Federal	GW	APD	C
WV 4B-14-8-21	14	080S	210E	4304739038		Federal	GW	APD	C
WV 13A-15-8-21	15	080S	210E	4304739039	17123	Federal	GW	P	
WV 8D-15-8-21	15	080S	210E	4304739040	17123	Federal	GW	P	
WV 4BD-23-8-21	23	080S	210E	4304739041	17123	Federal	GW	P	
WV 7CML-11-8-21	11	080S	210E	4304739042		Federal	GW	APD	C
WV 7BD-23-8-21	23	080S	210E	4304739044	17123	Federal	GW	P	
WV 2CML-7-8-22	07	080S	220E	4304739155		Federal	GW	APD	C
WV 13AD-8-8-22R(RIGSKID)	08	080S	220E	4304739321	17123	Federal	GW	P	
WV 2B-22-8-21	22	080S	210E	4304740262		Federal	GW	APD	C
WV 8D-22-8-21	22	080S	210E	4304740263		Federal	GW	APD	C
WV 7A-24-8-21	24	080S	210E	4304740331		Federal	GW	APD	C



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

Roy 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