

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

FORM 3

AMENDED REPORT

| <b>APPLICATION FOR PERMIT TO DRILL</b>  |           |                  |  |   |                | <b>1. WELL NAME and NUMBER</b><br>RW 9C1-26B  |                                    |                                     |       |              |        |                 |  |
|---|-----------|------------------|--|---|----------------|---|------------------------------------|-------------------------------------|-------|--------------|--------|-----------------|--|
| <b>2. TYPE OF WORK</b><br>DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/> |           |                  |  |   |                | <b>3. FIELD OR WILDCAT</b><br>RED WASH  |                                    |                                     |       |              |        |                 |  |
| <b>4. TYPE OF WELL</b><br>Gas Well      Coalbed Methane Well: NO  |           |                  |  |   |                | <b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b><br>RED WASH  |                                    |                                     |       |              |        |                 |  |
| <b>6. NAME OF OPERATOR</b><br>QEP ENERGY COMPANY  |           |                  |  |   |                | <b>7. OPERATOR PHONE</b><br>303 308-3068  |                                    |                                     |       |              |        |                 |  |
| <b>8. ADDRESS OF OPERATOR</b><br>11002 East 17500 South, Vernal, Ut, 84078  |           |                  |  |   |                | <b>9. OPERATOR E-MAIL</b><br>debbie.stanberry@qepres.com  |                                    |                                     |       |              |        |                 |  |
| <b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b><br>UTU0566  |           |                  | <b>11. MINERAL OWNERSHIP</b><br>FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>    |   |                | <b>12. SURFACE OWNERSHIP</b><br>FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/> |                                    |                                     |       |              |        |                 |  |
| <b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b>  |           |                  |  |   |                | <b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b>  |                                    |                                     |       |              |        |                 |  |
| <b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b>   |           |                  |  |   |                | <b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>   |                                    |                                     |       |              |        |                 |  |
| <b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>   |           |                  | <b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b><br>YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/> |   |                | <b>19. SLANT</b><br>VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>                               |                                    |                                     |       |              |        |                 |  |
| <b>20. LOCATION OF WELL</b>   |           | <b>FOOTAGES</b>  |  | <b>QTR-QTR</b>  |                | <b>SECTION</b>  |                                    | <b>TOWNSHIP</b>                     |       | <b>RANGE</b> |        | <b>MERIDIAN</b> |  |
| LOCATION AT SURFACE   |           | 2008 FSL 652 FEL |  | NESE  |                | 26  |                                    | 7.0 S                               |       | 23.0 E       |        | S               |  |
| Top of Uppermost Producing Zone   |           | 2008 FSL 652 FEL |  | NESE  |                | 26  |                                    | 7.0 S                               |       | 23.0 E       |        | S               |  |
| At Total Depth  |           | 2008 FSL 652 FEL |  | NESE  |                | 26  |                                    | 7.0 S                               |       | 23.0 E       |        | S               |  |
| <b>21. COUNTY</b><br>UINTAH   |           |                  | <b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b><br>652  |   |                | <b>23. NUMBER OF ACRES IN DRILLING UNIT</b><br>40   |                                    |                                     |       |              |        |                 |  |
| <b>27. ELEVATION - GROUND LEVEL</b><br>5565   |           |                  | <b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b><br>1250   |   |                | <b>26. PROPOSED DEPTH</b><br>MD: 10445    TVD: 10445  |                                    |                                     |       |              |        |                 |  |
| <b>28. BOND NUMBER</b><br>ESB000024   |           |                  | <b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b><br>A-36125/ 49-2153   |   |                |   |                                    |                                     |       |              |        |                 |  |
| <b>Hole, Casing, and Cement Information</b>   |           |                  |  |   |                |   |                                    |                                     |       |              |        |                 |  |
| String  | Hole Size | Casing Size      | Length   | Weight  | Grade & Thread | Max Mud Wt.   | Cement                             |                                     | Sacks | Yield        | Weight |                 |  |
| Surf  | 12.25     | 9.625            | 0 - 3505   | 40.0  | N-80 LT&C      | 0.0   | Halliburton Light , Type Unknown   |                                     | 460   | 3.12         | 11.0   |                 |  |
|   |           |                  |  |   |                |   | Halliburton Premium , Type Unknown |                                     | 180   | 1.47         | 13.5   |                 |  |
| Prod  | 7.875     | 4.5              | 0 - 10445  | 11.6  | HCP-110 LT&C   | 10.5  | Halliburton Light , Type Unknown   |                                     | 550   | 3.18         | 11.0   |                 |  |
|   |           |                  |  |   |                |   | Halliburton Premium , Type Unknown |                                     | 490   | 1.65         | 13.5   |                 |  |
| <b>ATTACHMENTS</b>  |           |                  |  |   |                |   |                                    |                                     |       |              |        |                 |  |
| <b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>   |           |                  |  |   |                |   |                                    |                                     |       |              |        |                 |  |
| <input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER  |           |                  |  |   |                | <input checked="" type="checkbox"/> COMPLETE DRILLING PLAN  |                                    |                                     |       |              |        |                 |  |
| <input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)  |           |                  |  |   |                | <input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER  |                                    |                                     |       |              |        |                 |  |
| <input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)   |           |                  |  |   |                | <input checked="" type="checkbox"/> TOPOGRAPHICAL MAP   |                                    |                                     |       |              |        |                 |  |
| <b>NAME</b> Valyn Davis   |           |                  |  | <b>TITLE</b> Regulatory Affairs Analyst   |                |   |                                    | <b>PHONE</b> 435 781-4369           |       |              |        |                 |  |
| <b>SIGNATURE</b>  |           |                  |  | <b>DATE</b> 12/07/2011  |                |   |                                    | <b>EMAIL</b> Valyn.Davis@qepres.com |       |              |        |                 |  |
| <b>API NUMBER ASSIGNED</b><br>43047522380000  |           |                  |  | <b>APPROVAL</b><br><br><br>Permit Manager |                |   |                                    |                                     |       |              |        |                 |  |

**QEP Energy Company**  
**RW 9C1-26B**  
**Summarized Drilling Procedure**

1. Construct location per plat.
2. MIRU air drilling rig.
3. Pre-set conductor.
4. Nipple up diverter system.
5. Drill 12-1/4" hole to 3,505' with air/mist.
6. RIH with 9-5/8" 40# N-80 casing and cement same per program.
7. RDMO air drilling rig.
8. MIRU conventional drilling rig.
9. NU and test 5M BOPE.
10. Drill 7-7/8" hole from 10,445' using conventional mud systems.
11. Log well. Triple or Quad-Combo (GR, NEU/DEN, IND, RES, SON)
12. RIH with 4-1/2" 11.6# HCP-110 casing and cement same per program.
13. Pressure test casing.
14. ND BOP's and NU remainder of wellhead. Set BPV.
15. RDMO.

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 Uintah County, Utah  
 Section 26-T7S-R23E

## 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 & Gas No. 1, and the approved plan of operations. The operator is fully responsible for the actions of its subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

#### 1. Formation Tops

The estimated top of important geologic markers are as follows:

| <u>Formation</u> | <u>Depth</u> |
|------------------|--------------|
| Uinta            | Surface      |
| Green River      | 2,700'       |
| Mahogany         | 3,455'       |
| Wasatch          | 5,995'       |
| Mesaverde        | 8,105'       |
| Sego             | 10,345'      |
| TD               | 10,445'      |

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

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

| <u>Substance</u> | <u>Formation</u> | <u>Depth</u> |
|------------------|------------------|--------------|
| Oil              | Green River      | 2,700'       |
| Gas              | Wasatch          | 5,995'       |
| Gas              | Mesaverde        | 8,105'       |
| Gas              | Sego             | 10,345'      |

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 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)

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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. An 11" 5000 psi double ram with blind rams and pipe rams, annular preventer and drilling spool or BOP with 2 side outlets.
- B. All BOP connections subject to pressure shall be flanged, welded or clamped.
- C. Kill line (2" min), 2 choke line valves (3" min), choke line (3" min), 2 kill line valves (2" min) and a check valve, 2 chokes with one remotely controlled from rig floor and a pressure gauge on choke manifold.
- D. Upper and Lower Kelly cock valves with handles and safety valve and subs to fit all drill string connections.
- E. IBOP or float sub available.
- F. Fill up line must be installed above the uppermost preventer.
- G. Ram type preventers and associated equipment shall be tested to approved stack working pressure if isolated by test plug or to 50 percent of internal yield pressure of casing whichever is less. BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc..., for a 5M system and individual components shall be operable as designed.

**4. Casing Design:**

| Hole Size | Csg. Size | Top (MD) | Bottom (MD) | Wt.   | Grade     | Thread | Cond. | Expected MW(ppg) |
|-----------|-----------|----------|-------------|-------|-----------|--------|-------|------------------|
| 17 1/2"   | 14"       | Sfc      | 60'         | Steel | Conductor | None   | Used  | N/A              |
| 12-1/4"   | 9-5/8"    | Sfc      | 3,505'      | 40#   | N-80      | LTC    | New   | Air              |
| 7 7/8"    | 4-1/2"    | Sfc      | 10,445'     | 11.6# | HCP-110   | LTC    | New   | 10.5             |

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| Casing Strengths: |       |         |     | Collapse  | Burst      | Tensile (min) |
|-------------------|-------|---------|-----|-----------|------------|---------------|
| 9-5/8"            | 40#   | N-80    | LTC | 3,090 psi | 5,750 psi  | 916,000 lb.   |
| 4 1/2"            | 11.6# | HCP-110 | LTC | 8,830 psi | 10,710 psi | 279,000 lb.   |

### Casing Design Factors

\*The casing prescribed above meets or exceeds the below listed design factors.

Burst: 1.2

Collapse: 1.2

Tension: 1.6

Maximum anticipated mud weight: 10.5 ppg

Maximum anticipated surface treating pressure: 7,200 psi

### 5. Cementing Program

#### 9-5/8" Surface Casing:

**Lead Slurry: Surface (TOC) – 3,000'.** 460 sks (1,409 ft<sup>3</sup>) Halliburton Extendacem, 1 pps Granulite TR 1/4, 0.125 pps Poly-E-Flake, Slurry Weight 11.0 ppg, 3.12 ft<sup>3</sup>/sk, 50% XS in open hole only.

**Tail Slurry: 3,000' – 3,505'.** 180 sx (255 ft<sup>3</sup>) Halliburton Econocem, 0.2% HR-5 Retarder, 1.0 pps Granulite TR 1/4, 0.125 pps Poly-E-Flake, Slurry Weight 13.5 ppg, 1.47 ft<sup>3</sup>/sk, 50% XS in open hole.

#### 4-1/2" Production Casing\*:

**Lead Slurry: 3,000' (TOC) – 8,105'.** 550 sks (1,735 ft<sup>3</sup>) Halliburton Extendacem, 1 pps Granulite 1/4, 0.125 pps Poly-E-Flake. Slurry Weight 11.0 lb/gal, 3.18 ft<sup>3</sup>/sk, 50% excess over gauge in open hole only.

**Tail Slurry: 8,105' – 10,445'.** 490 sks (803 ft<sup>3</sup>), Halliburton Expandacem, 0.3% Super CBL (Expander), 0.6% HR-800 (Retarder), 1 pps Granulite TR 1/4, 0.125 pps Poly-E-Flake (LCM). Slurry Weight 13.5 lb/gal, 1.65 ft<sup>3</sup>/sk, 50% excess over gauge hole.

\*Final cement volumes to be calculated from caliper log, if run.

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6. Auxiliary Equipment

- A. Kelly Cock – yes
- B. Float at the bit – Yes
- C. Monitoring equipment on the mud system – PVT/Flow Show
- D. Full opening safety valve on the rig floor – Yes
- E. Rotating Head – Yes
- 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 50' into the Mahogany Bench formation 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 igniter or continuous pilot light on blooiie line** – a diffuser will be used rather than an automatic pilot/igniter. 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.
5. **Well Kill Fluid** – A suitable amount of water and weighting agents will be available in the reserve pit during air drilling operations to kill the well, if necessary. No overpressured zones are expected in the area.
6. **Deflector on the end of the blooiie line** – QEP will mount a deflector unit at the end of the blooiie line for the purpose of changing the direction and velocity of the air and cuttings flow into the reserve pit. Changing the

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velocity and direction of the cuttings and air will preserve the pit liner. In the event the deflector washes out due to erosion caused by the sand blasting effect of the cuttings, there will be no problem because the deflector is mounted on the very end of the blooie. A washed out deflector will be easily replaced.

7. **Flare Pit** – there will be no need of a flare pit during the surface hole air drilling operation because the blooie line is routed directly to the reserve pit. When the big rig arrives for the main drilling after setting surface casing, a flare box will be installed and all flare lines will be routed to the flare box.

- G. Drilling below the 9-5/8” casing will be done with water based mud. Maximum anticipated mud weight is 10.5 ppg.

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

- I. Gas detector will be used from intermediate casing depth to TD.

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

- A. Cores – none.

- B. DST – none anticipated

- C. Logging – Mud logging – Intermediate Casing to TD  
OH Logs: GR-SP-Induction, Neutron Density.

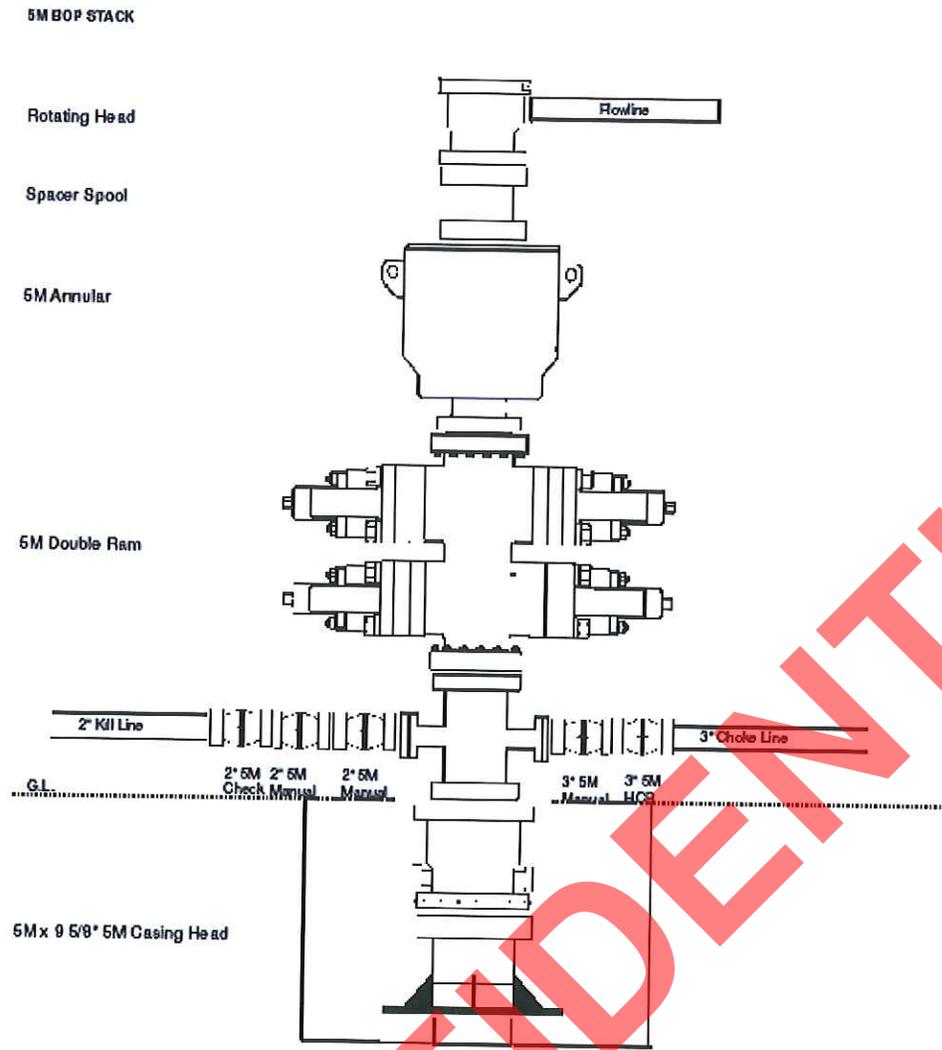
- D. Formation and Completion Interval:  
– Stimulation will be designed for the particular area of interest as encountered.

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

No abnormal temperatures or pressures are anticipated. Maximum anticipated bottom hole pressure equals approximately 5,703 psi. Maximum anticipated bottom hole temperature is 205° F.

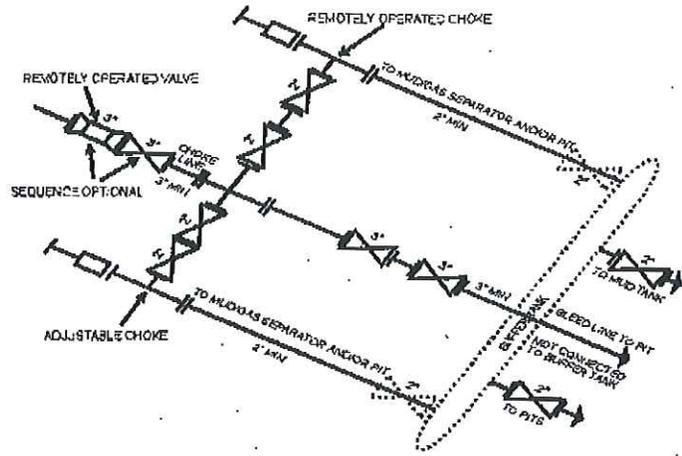
H2S has not been encountered in other wells drilled to similar depths in the general area.

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5M CHOKES MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY

Although not required for any of the choke manifold systems, buffer tanks are sometimes installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together. When buffer tanks are employed, valves shall be installed upstream to isolate a failure or malfunction without interrupting floor control. Though not shown on 2M, 3M, 10M, OR 15M drawings, it would also be applicable to those situations.  
[54 FR 39328, Sept. 27, 1989]

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**RW 9C1-26B**  
2,008' FSL & 652' FEL Sec 26 T7S R23E S.L.B.&M.  
Uintah County, Utah  
KB 5,579'  
GL 5,565'

14" Conductor at 60'

Cemented to surface

Top of Production Lead Cement at 3,000'  
Top of Surface Tail Cement at 3,000'

12-1/4" Open Hole

9-5/8" 40# N-80 @ 3,505'

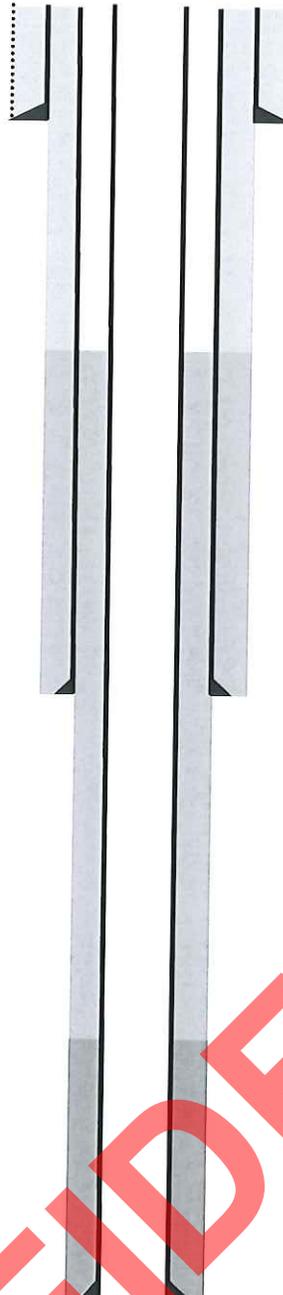
7-7/8" Open Hole

Top of Production Tail Cement @ 8,105'

4 1/2" 11.6# HCP-110

10,445'

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

**QEP ENERGY COMPANY**

Well location, RW #9C1-26B, located as shown in the NE 1/4 SE 1/4 of Section 26, T7S, R23E, S.L.B.&M., Uintah County, Utah.

1936 Brass Cap,  
0.4' High, Mound  
of Stones

N89°51'04"E - 2639.61' (Meas.)

1936 Brass Cap,  
Scattered Stones

500°07'51"E - 2639.70' (Meas.)

1936 Brass Cap,  
0.8' High, Mound  
of Stones

500°07'59"E - 2638.91' (Meas.)

652'

RW #9C1-26B  
Elev. Ungraded Ground = 5565'

2008'

1936 Brass Cap,  
0.2' High, Mound  
of Stones

S89°52'29"W - 2638.81' (Meas.)

S89°51'49"W - 2638.74' (Meas.)

1936 Brass Cap,  
Bent Over, Set  
Alum. Cap #138394  
on 3/4" Rebar, Set  
Steel Post

1936 Brass Cap,  
0.3' High, Scattered  
Stones

3/4" Steel Rod  
1.3' High, 2 1/2" N89°51'59"E - 2637.84' (Meas.)

N00°07'50"W - 2638.49' (Meas.)

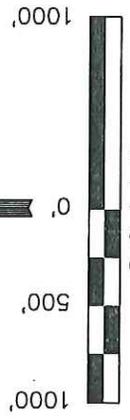
N00°07'52"W - 2639.19' (Meas.)

**BASIS OF ELEVATION**

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

**BASIS OF BEARINGS**

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



**CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF

*[Signature]*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161319  
STATE OF UTAH

REV.: 11-02-11 J.I.

11-14-11

**UINTAH ENGINEERING & LAND SURVEYING**

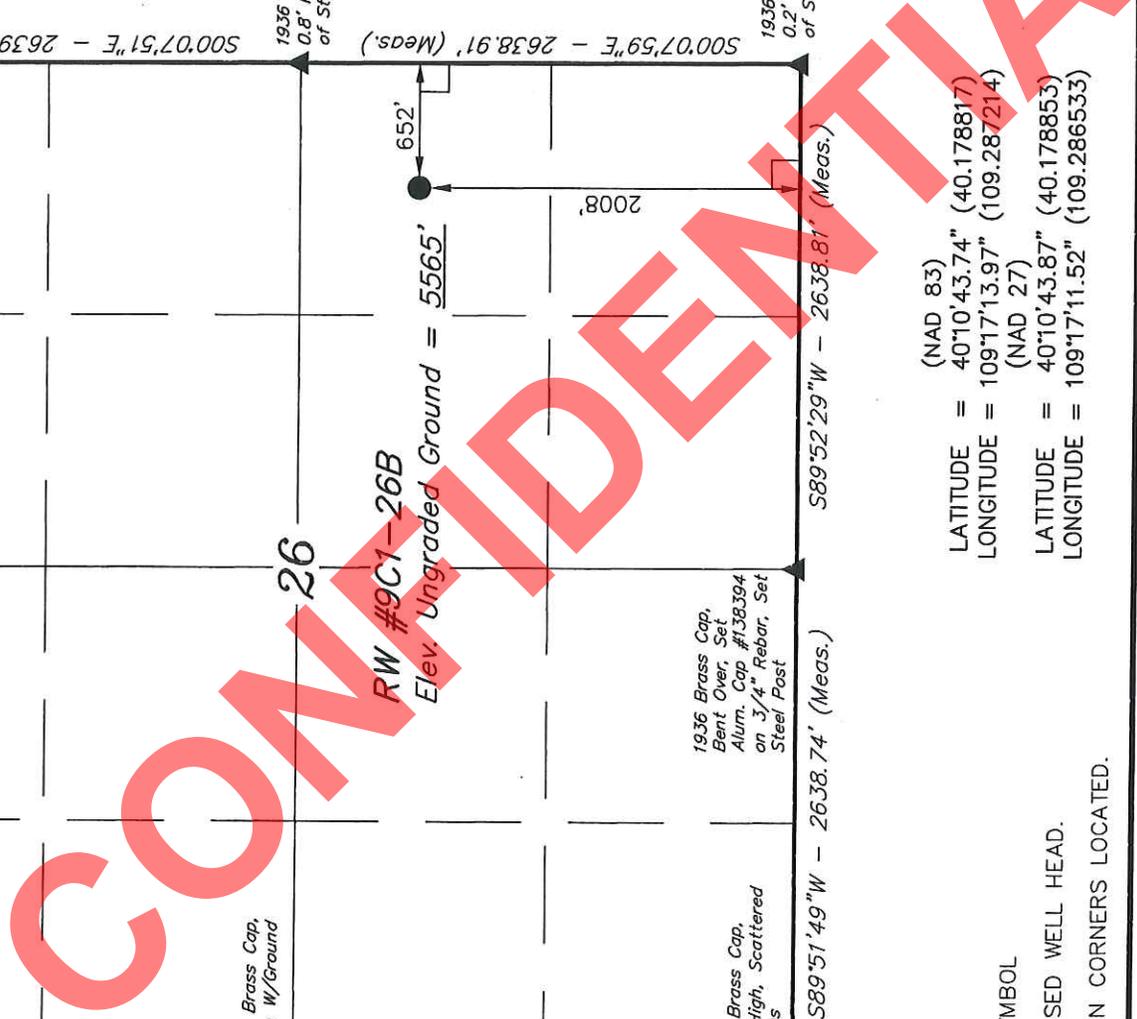
85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

|                         |                            |                         |
|-------------------------|----------------------------|-------------------------|
| SCALE<br>1" = 1000'     | DATE SURVEYED:<br>03-14-11 | DATE DRAWN:<br>03-18-11 |
| PARTY<br>A.F. J.C. K.O. | REFERENCES<br>G.L.O. PLAT  |                         |
| WEATHER<br>COLD         | FILE                       | QEP ENERGY COMPANY      |

**LEGEND:**

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



**QEP ENERGY COMPANY**  
**RW #9C1-26B**  
**LOCATED IN UINTAH COUNTY, UTAH**  
**SECTION 26, T7S, R23E, S.L.B.&M.**



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY



PHOTO: VIEW OF EXISTING ACCESS

CAMERA ANGLE: EASTERLY



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

|                        |                  |                     |           |              |
|------------------------|------------------|---------------------|-----------|--------------|
| <b>LOCATION PHOTOS</b> | <b>03</b>        | <b>15</b>           | <b>11</b> | <b>PHOTO</b> |
|                        | MONTH            | DAY                 | YEAR      |              |
| TAKEN BY: A.F.         | DRAWN BY: J.L.G. | REV: B.D.H. 11-8-11 |           |              |

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

**QEP ENERGY COMPANY**

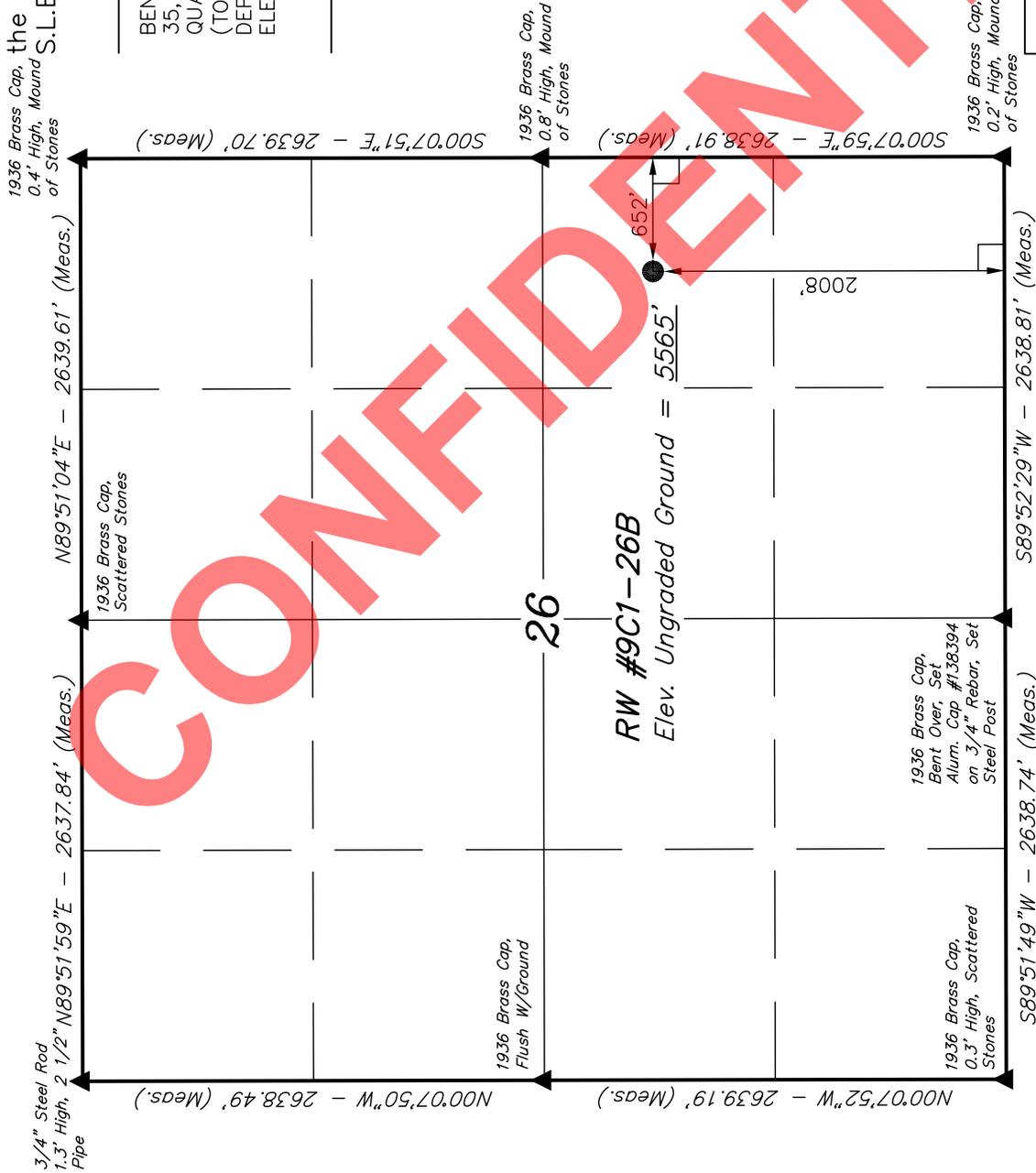
Well location, RW #9C1-26B, located as shown in the NE 1/4 SE 1/4 of Section 26, T7S, R23E, S.L.B.&M., Uintah County, Utah.

**BASIS OF ELEVATION**

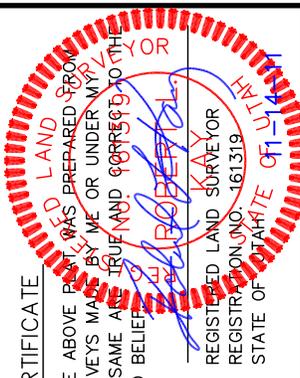
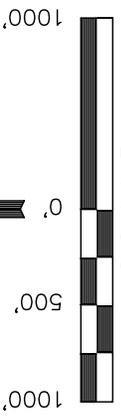
BENCH MARK 20EAM LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4697 FEET.

**BASIS OF BEARINGS**

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



**RW #9C1-26B**  
Elev. Ungraded Ground = 5565'



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

ROBERT K. KAY  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161319  
STATE OF UTAH

REV: 11-02-11 J.I.

|  |                            |
|--|----------------------------|
| <b>UINTAH ENGINEERING &amp; LAND SURVEYING</b>           |                            |
| 85 SOUTH 200 EAST - VERNAL, UTAH 84078<br>(435) 789-1017 |                            |
| SCALE<br>1" = 1000'                                      | DATE SURVEYED:<br>03-14-11 |
| PARTY<br>A.F. J.C. K.O.                                  | DATE DRAWN:<br>03-18-11    |
| WEATHER<br>COLD  | REFERENCES<br>G.L.O. PLAT  |
| FILE   | QEP ENERGY COMPANY         |

(NAD 83)  
LATITUDE = 40°10'43.74" (40.178817)  
LONGITUDE = 109°17'13.97" (109.287214)  
(NAD 27)  
LATITUDE = 40°10'43.87" (40.178853)  
LONGITUDE = 109°17'11.52" (109.286533)

**LEGEND:**

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

QEP ENERGY COMPANY

LOCATION LAYOUT FOR

RW #9C1-26B

SECTION 26, T7S, R23E, S.L.B.&M.

2008' FSL 652' FEL

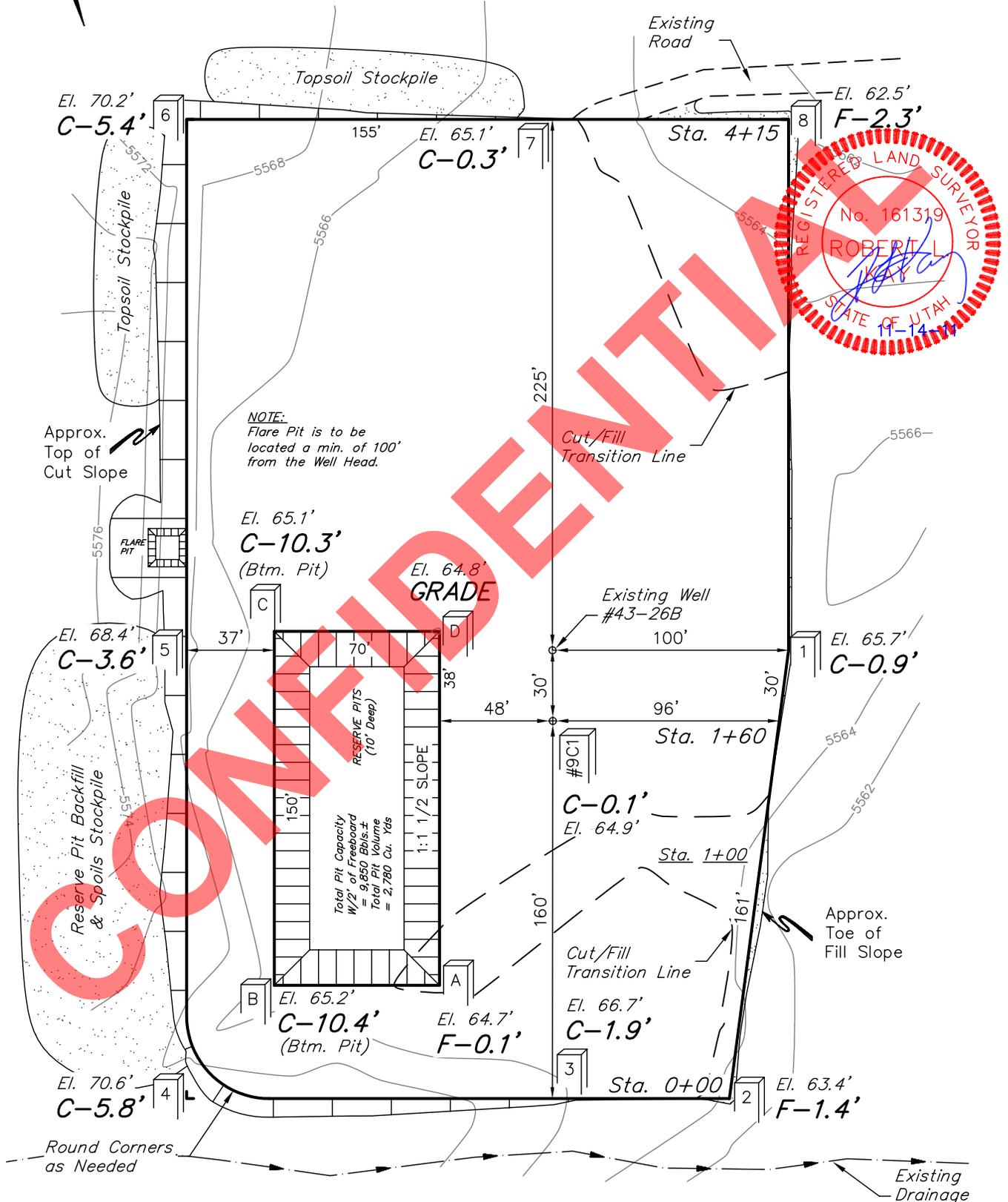
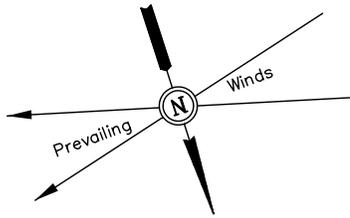
FIGURE #1

SCALE: 1" = 60'

DATE: 03-18-11

DRAWN BY: K.O.

REV.: 11-02-11 J.I.



Elev. Ungraded Ground At #9C1-26B Loc. Stake = 5564.9'  
FINISHED GRADE ELEV. AT #9C1-26B LOC. STAKE = 5564.8'

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85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

RECEIVED: December 07, 2011

**QEP ENERGY COMPANY**

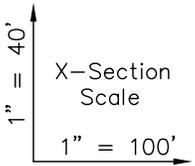
**TYPICAL CROSS SECTIONS FOR**

RW #9C1-26B

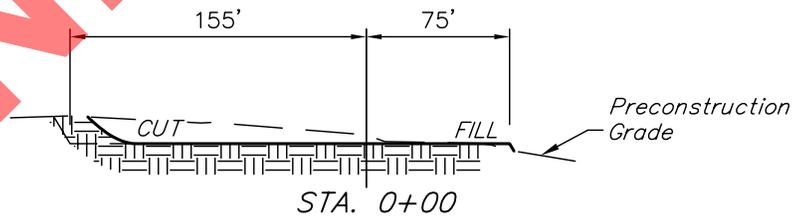
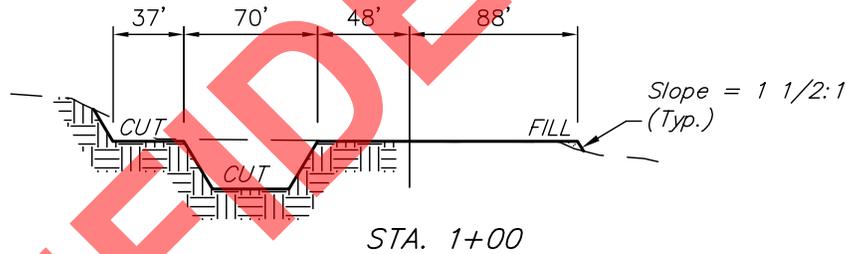
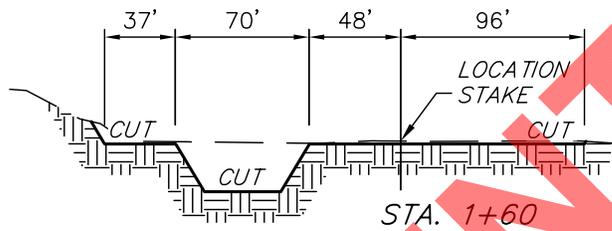
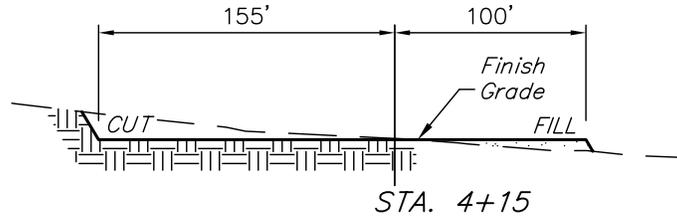
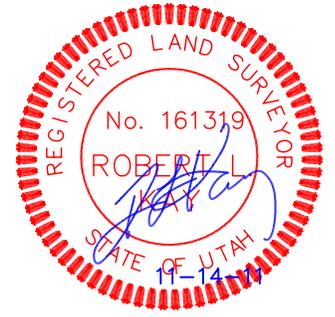
SECTION 26, T7S, R23E, S.L.B.&M.

2008' FSL 652' FEL

**FIGURE #2**



DATE: 03-18-11  
DRAWN BY: K.O.  
REVISED: 05-04-11  
REV.: 11-02-11 J.I.



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**NOTE:**

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

APPROXIMATE ACREAGES

WELL SITE DISTURBANCE = ± 2.970 ACRES

PIPELINE DISTURBANCE = ± 0.465 ACRES

TOTAL = ± 3.435 ACRES

\* NOTE: FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

|                        |   |                      |
|------------------------|---|----------------------|
| (6") Topsoil Stripping | = | 2,080 Cu. Yds.       |
| Remaining Location     | = | 4,760 Cu. Yds.       |
| <b>TOTAL CUT</b>       | = | <b>6,840 CU.YDS.</b> |
| <b>FILL</b>            | = | <b>720 CU.YDS.</b>   |

|   |   |                |
|---|---|----------------|
| EXCESS MATERIAL                                 | = | 6,120 Cu. Yds. |
| Topsoil & Pit Backfill (1/2 Pit Vol.)           | = | 3,470 Cu. Yds. |
| EXCESS UNBALANCE (After Interim Rehabilitation) | = | 2,650 Cu. Yds. |

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

# QEP ENERGY COMPANY

## TYPICAL RIG LAYOUT FOR

RW #9C1-26B

SECTION 26, T7S, R23E, S.L.B.&M.

2008' FSL 652' FEL

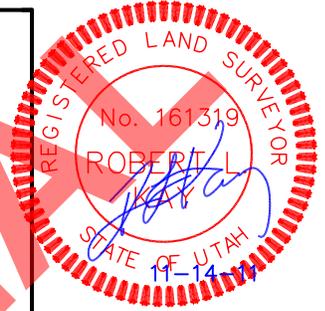
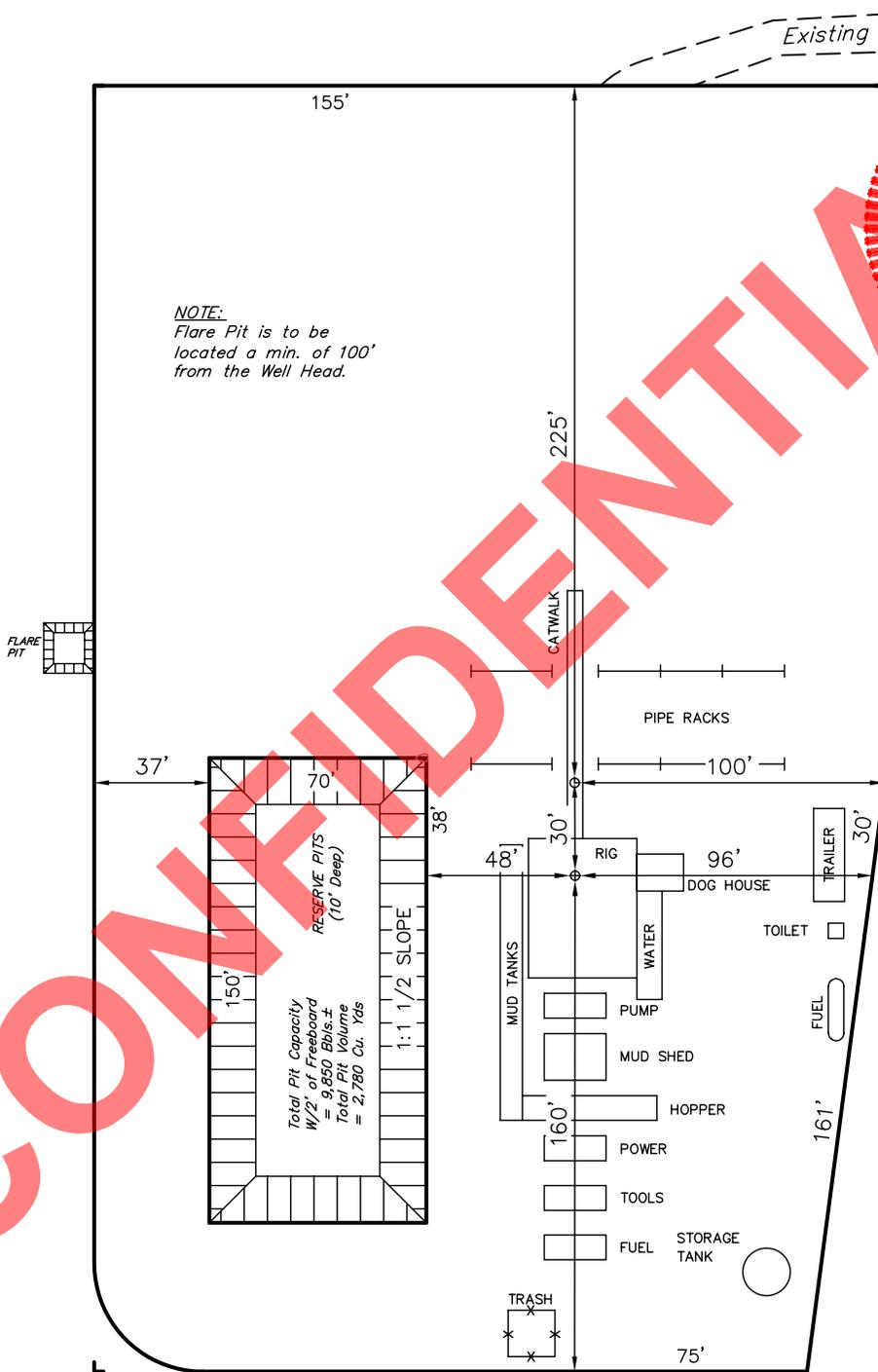
FIGURE #3

SCALE: 1" = 60'

DATE: 03-18-11

DRAWN BY: K.O.

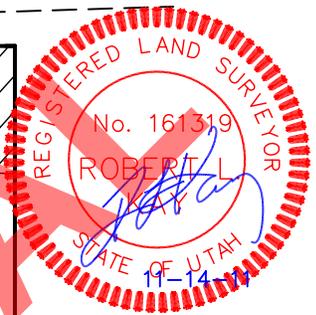
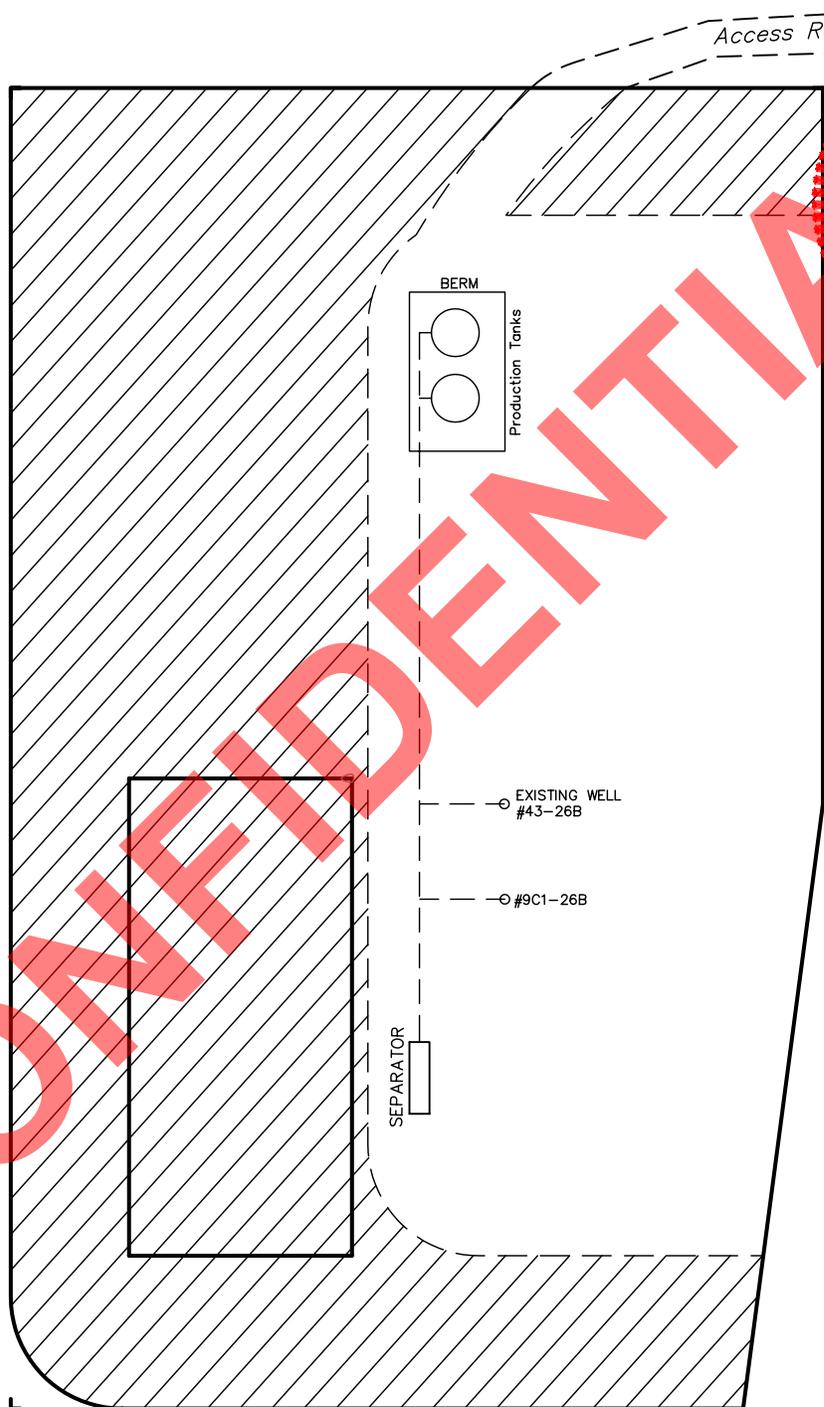
REV.: 11-02-11 J.I.



**CONFIDENTIAL**

**QEP ENERGY COMPANY**  
**PRODUCTION FACILITY LAYOUT FOR**  
**RW #9C1-26B**  
**SECTION 26, T7S, R23E, S.L.B.&M.**  
**2008' FSL 652' FEL**

**FIGURE #4**  
SCALE: 1" = 60'  
DATE: 03-18-11  
DRAWN BY: K.O.  
REV.: 11-02-11 J.I.



APPROXIMATE ACREAGES  
UN-RECLAIMED = ± 1.055 ACRES

 RECLAIMED AREA

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

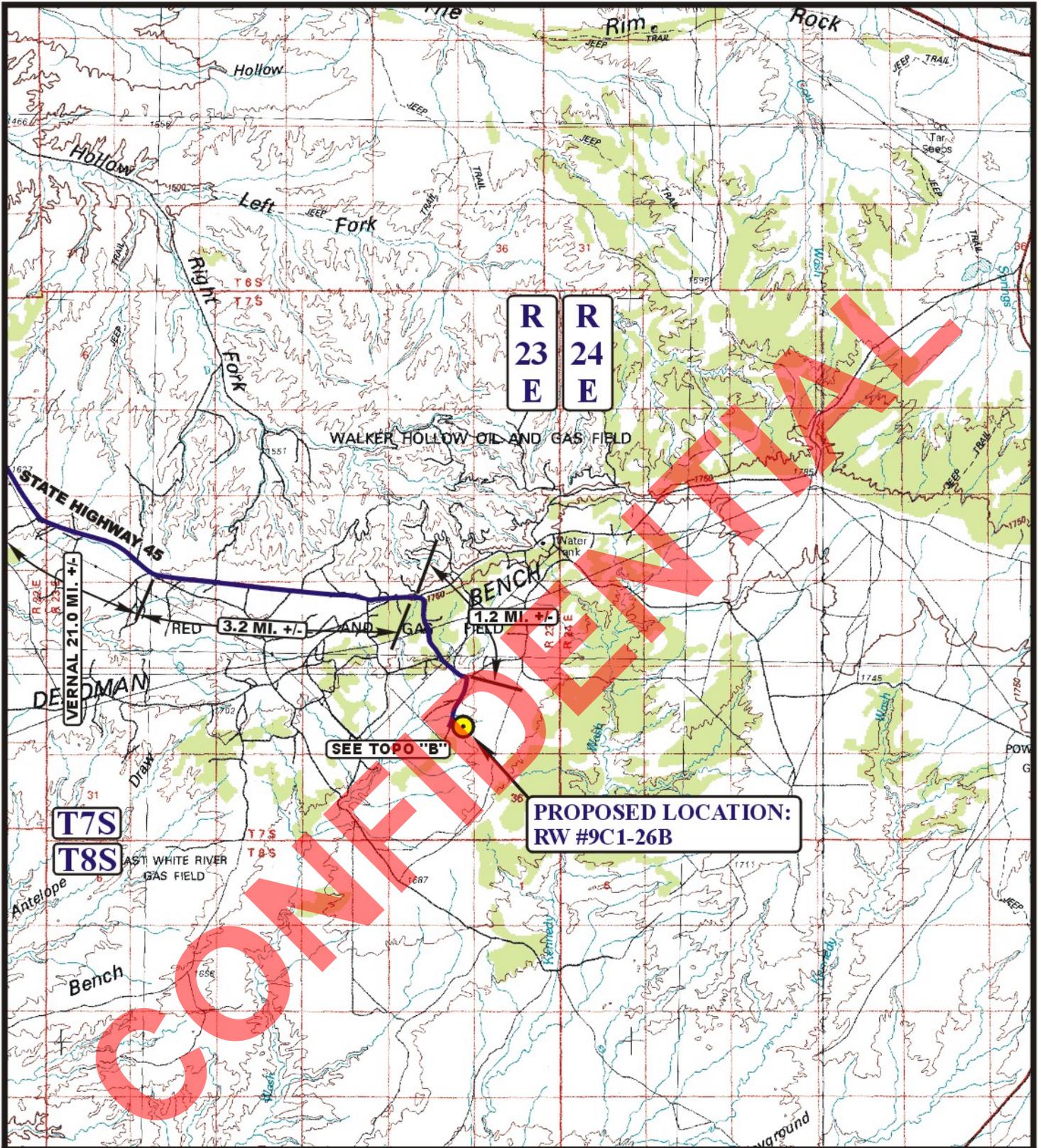
**RECEIVED: December 07, 2011**

QEP ENERGY COMPANY  
RW #9C1-26B  
SECTION 26, T7S, R23E, S.L.B.&M.

PROCEED IN AN EASTERLY, THEN SOUTHERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 3.9 MILES TO THE JUNCTION OF STATE HIGHWAY 45; EXIT RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 3.2 MILES TO THE JUNCTION OF THIS ROAD AND EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 1.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE PROPOSED LOCATION

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 26.2 MILES.

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**LEGEND:**

 PROPOSED LOCATION



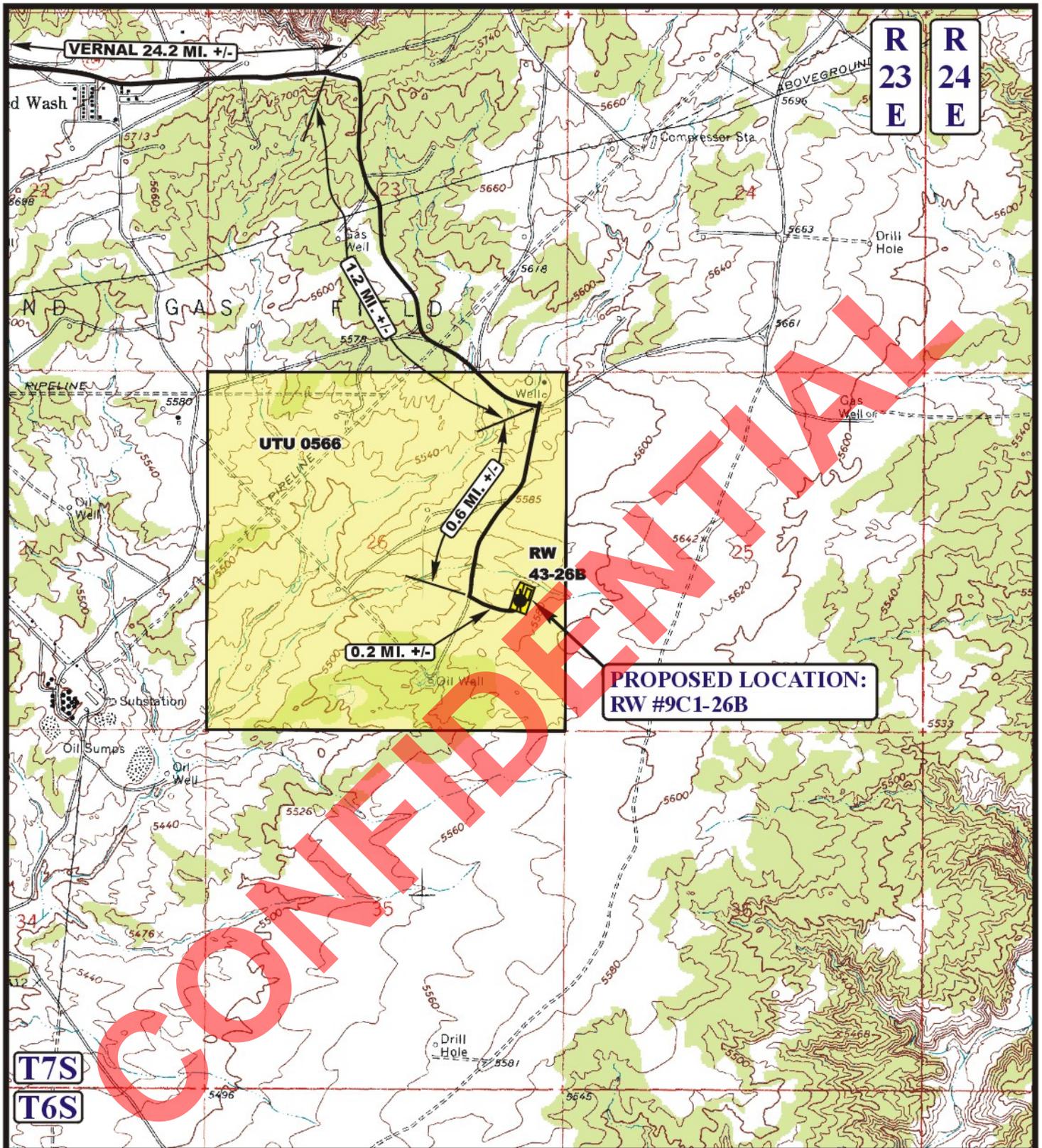
**QEP ENERGY COMPANY**

**RW #9C1-26B**  
**SECTION 26, T7S, R23E, S.L.B.&M.**  
**2008' FSL 652' FEL**



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

|                                  |                  |           |                     |   |
|----------------------------------|------------------|-----------|---------------------|---|
| <b>ACCESS ROAD</b><br><b>MAP</b> | <b>03</b>        | <b>15</b> | <b>11</b>           |  |
|                                  | MONTH            | DAY       | YEAR                |   |
| SCALE: 1:100,000                 | DRAWN BY: J.L.G. |           | REV: B.D.H. 11-8-11 |   |



**R 23 E**

**R 24 E**

**T7S**

**T6S**

**LEGEND:**

- EXISTING ROAD
- PROPOSED ACCESS ROAD



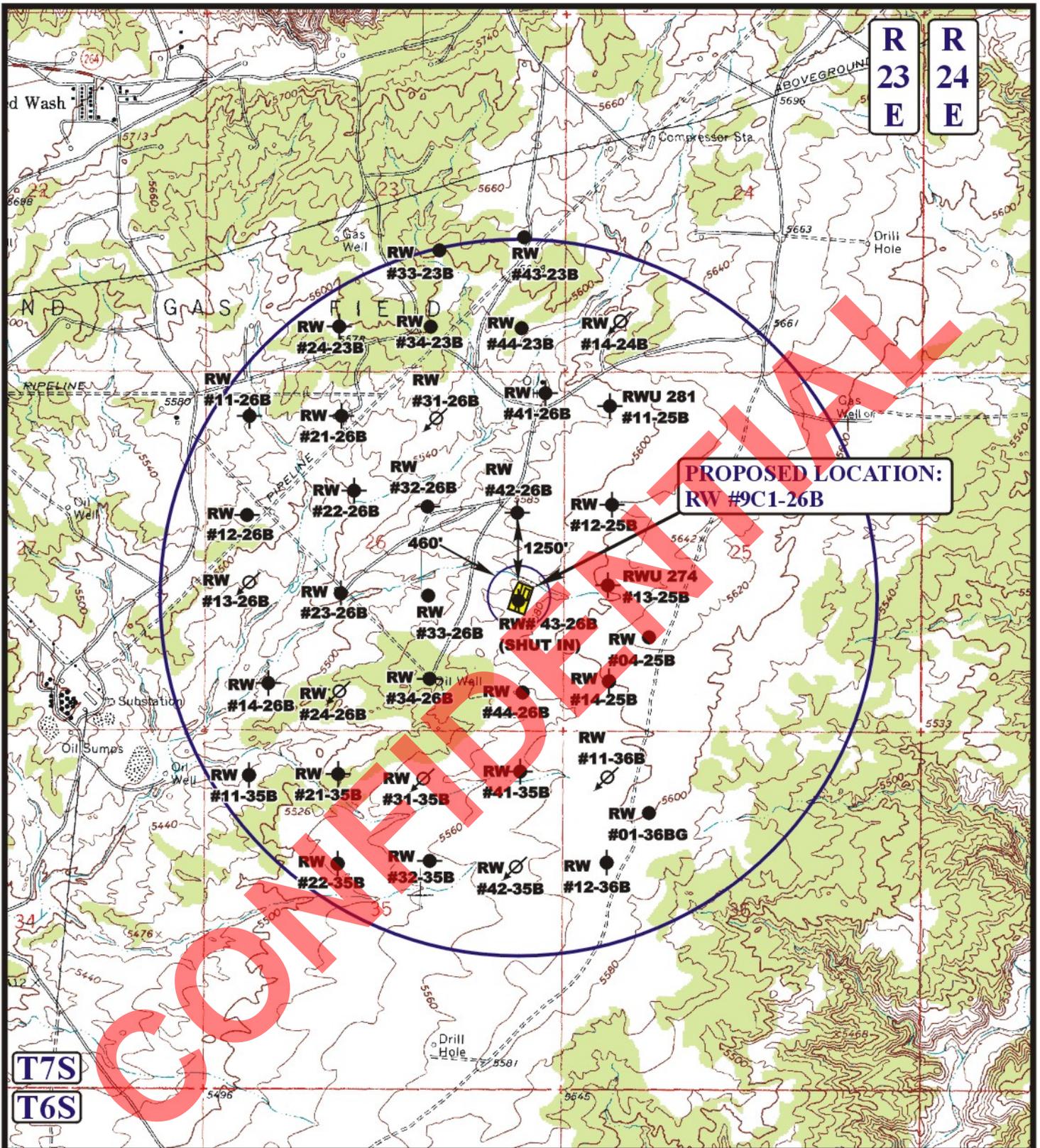
**QEP ENERGY COMPANY**

**RW #9C1-26B**  
**SECTION 26, T7S, R23E, S.L.B.&M.**  
**2008' FSL 652' FEL**



**Utah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
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|                    |                  |                     |
|--------------------|------------------|---------------------|
| <b>ACCESS ROAD</b> | <b>03 15 11</b>  | <b>B</b><br>TOPO    |
| <b>MAP</b>         | MONTH DAY YEAR   |                     |
| SCALE: 1" = 2000'  | DRAWN BY: J.L.G. | REV: B.D.H. 11-8-11 |



**LEGEND:**

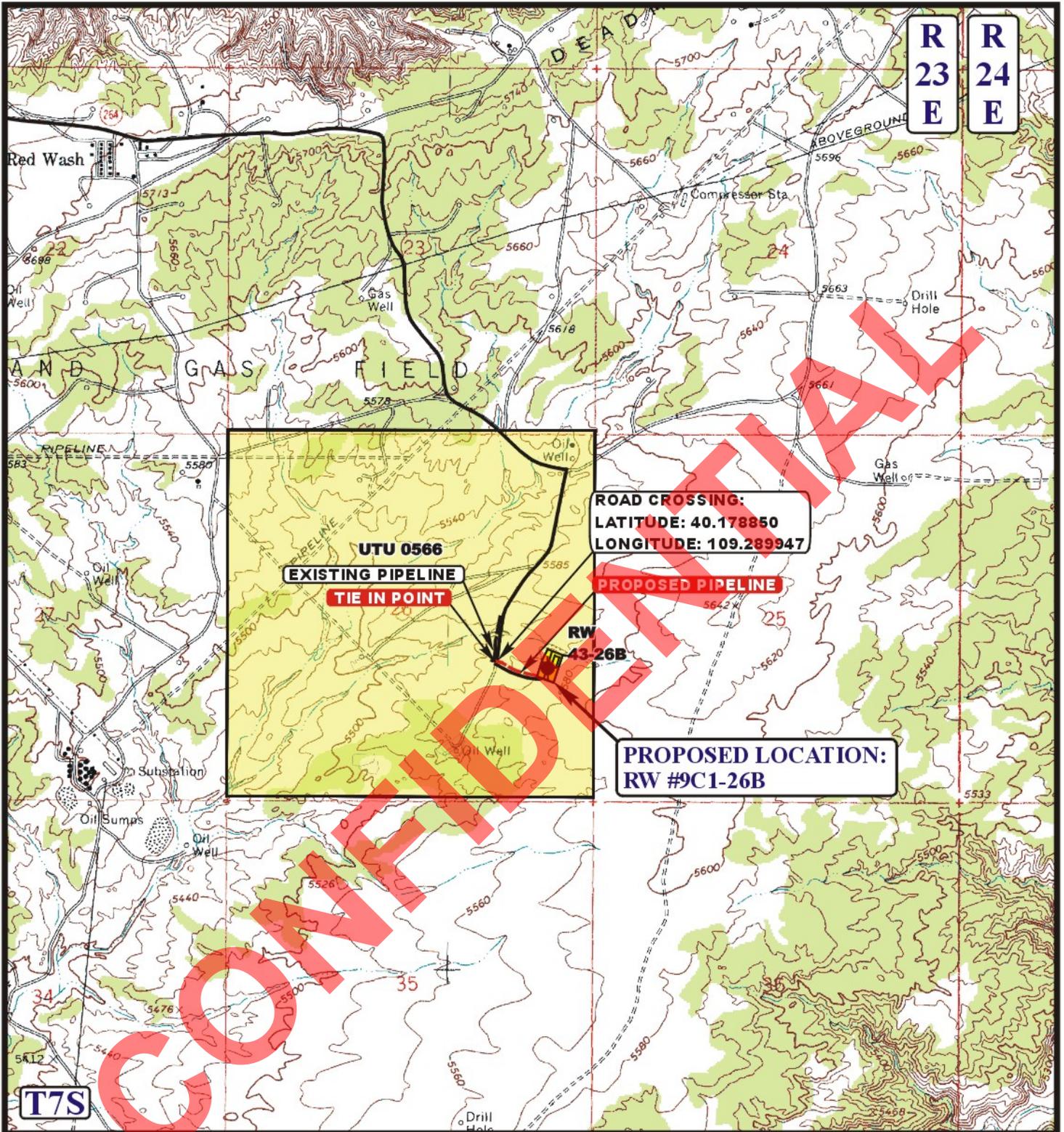
- ⊗ DISPOSAL WELLS
- PRODUCING WELLS
- ⊖ SHUT IN WELLS
- ⊕ WATER WELLS
- ⊙ ABANDONED WELLS
- ⊖ TEMPORARILY ABANDONED

**QEP ENERGY COMPANY**

**RW #9C1-26B**  
**SECTION 26, T7S, R23E, S.L.B.&M.**  
**2008' FSL 652' FEL**

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

**TOPOGRAPHIC MAP** **03 15 11**  
 MONTH DAY YEAR  
 SCALE: 1" = 2000' DRAWN BY: J.L.G. REV: B.D.H. 11-8-11 **TOPO**



**APPROXIMATE TOTAL PIPELINE DISTANCE = 676' +/-**

**LEGEND:**

-  EXISTING PIPELINE
-  PROPOSED PIPELINE
-  PROPOSED ACCESS



**QEP ENERGY COMPANY**

**RW #9C1-26B  
SECTION 26, T7S, R23E, S.L.B.&M.  
2008' FSL 652' FEL**



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

**TOPOGRAPHIC  
MAP**

**03 15 11**  
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: J.L.G. REV: B.D.H. 11-8-11

**D  
TOPO**

**Additional Operator Remarks**

QEP Energy Company proposes to drill a vertical gas well to a depth of 10,445' to test the Mesa Verde Formation. This well is being twinned on well location RW 43-26B. 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 Onshore Order No. 1.

Please refer to QEP Energy Company Greater Deadman Bench  
EIS UT-080-2003-0369V Record of Decision dated March 31, 2008.

Please be advised that QEP Energy Company agrees to be responsible under the terms and conditions of the lease for the operations conducted upon the lease lands.

Bond coverage for this well is provided by Bond No.ESB000024. The principal is QEP Energy Company via surety as consent as provided for the 43 CFR 3104.2.

**CONFIDENTIAL**

**QEP ENERGY COMPANY  
RW 9C1-26B  
2008' FSL 652' FEL  
NESE, SECTION 26, T7S, R23E  
UINTAH COUNTY, UTAH  
LEASE # UTU-0566**

**ONSHORE ORDER NO. 1  
MULTI – POINT SURFACE USE & OPERATIONS PLAN**

**THIS WELL IS BEING TWINNED ON WELL LOCATION RW 43-26B.**

An onsite inspection was conducted for the RW 9C1-26B on May 4, 2011. Weather conditions were sunny at the time of the onsite. In attendance at the inspection were the following individuals:

|                     |                                     |
|---------------------|-------------------------------------|
| Kevin Sadlier       | Bureau of Land Management           |
| Aaron Roe           | Bureau of Land Management           |
| Holly Villa         | Bureau of Land Management           |
| Daniel Emmett       | Bureau of Land Management           |
| Jan Nelson          | QEP Energy Company                  |
| Stephanie Tomkinson | QEP Energy Company                  |
| Ryan Angus          | QEP Energy Company                  |
| Valyn Davis         | QEP Energy Company                  |
| Eric Wickersham     | QEP Energy Company                  |
| Andy Floyd          | Uintah Engineering & Land Surveying |

**1. Existing Roads:**

The proposed well site is approximately 26 miles South of Vernal, Utah.

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

All existing roads will be maintained and kept in good repair during all phases of operation.

**2. Planned Access Roads:**

Please refer to QEP Energy Company Greater Deadman Bench EIS UTU-080-200-0369V Record of Decision dated March 31, 2008.

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

No new access road is proposed. The access to be used is the access to the existing RW 43-26B location. Graveling or capping the roadbed will be performed as necessary to provide a well constructed safe road. Should conditions warrant, rock, gravel or culverts will be installed as needed.

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

Please refer to Topo Map C.

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

Please refer to QEP Energy Company Greater Deadman Bench EIS UTU-080-200-0369V Record of Decision dated March 31, 2008.

The following guidelines will apply if the well is productive.

A containment dike will be constructed completely around those production facilities which contain fluids (i.e., production tanks, produced water tanks). These dikes will be constructed of compacted impervious subsoil; hold 110% of the capacity of the largest tank; and, be independent of the back cut. If a Spill Prevention, Control, and Countermeasure (SPCC) Plan is required by the Environmental Protection Agency, the containment dike may be expanded to meet SPCC requirements with approval by the BLM/VFO AO. The specific APD will address additional capacity if such is needed due to environmental concerns. The use of topsoil for the construction of dikes will not be allowed.

All loading lines will be placed inside the berm surrounding the tank batteries.

All permanent (on site six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a color approved by the State.

It was determined on the onsite by the BLM VFO AO that the facilities will be painted Covert Green.

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

All existing equipment will be moved off location before any construction begins.

The proposed surface pipeline will be constructed utilizing existing disturbed areas to minimize surface disturbance. No construction activities will be allowed outside of the proposed pipeline.

Prior to construction, the Permittee will develop a plan of installation to minimize surface disturbance. Pipe will be strung along the pipeline route with either a flatbed trailer and rubber tired backhoe or a tracked typed side boom. Where surface conditions do not allow the pipe to be strung using conventional methods, the Permittee will utilize pull sections to run the fabricated pipe through the area from central staging areas along the pipeline route.

Upon completion of stringing activities the Permittee will fabricate the pipeline on wooden skids adjacent to the centerline of the pipeline route using truck mounted welding machines. All fabricated piping will be lowered off of the wooden skids and placed along the centerline. Upon completion of all activities, the wooden skids will be removed from the pipeline route using a flatbed truck or flatbed truck and trailer.

When the surface terrain prohibits the Permittee from safely installing the pipeline along the pipeline route, grading of the route will be required. Prior to installing the pipeline in these areas a plan will be developed to safely install the pipeline while minimizing grading activities and surface disturbances. Additionally, erosion control Best Management Practices will be installed as needed prior to the start of any grading activities. Surface grading will be limited to what is needed to safely install the pipeline. Track type bulldozers and track type backhoes will be utilized for grading activities.

Upon completion of the pipeline installation, the pipeline route will be restored to the pre-disturbance surface contours.

The proposed pipeline will be a surface 10" or smaller, 676' in length, containing .465 acres.

### **Road Crossings**

Fusion Bond or concrete coated pipe will be used for all road crossings to alleviate future corrosion.

All pipe and fittings used for road crossings will be prefabricated within the proposed pipeline route to minimize the duration of open pipe trench across the roadway. Pipe used for road crossings will be isolated on each end with a flange set and insulation kit and cathodically protected with a magnesium type anode. Adequately sized equipment will be used for minor and major road crossings. Depth of cover for minor roads will be >4' and the depth of cover for major roads will be >6'.

Prior to lowering the pipe in the trench, the Permittee will "Jeep" the pipe to locate and repair any Holidays in the pipe coating. Upon lowering the pipe in the trench, 6" of bedding and a minimum of 6" of shading will be installed to protect the pipe using either native soils <1" in diameter or imported sand. Pipe trenches that extend across gravel roads will be backfilled with native soils to within 8" of the driving surface and capped with 3/4" road base. Pipe trenches that extend across asphalt paved roads will be backfilled to 4" of the driving surface with 3/4" road base and capped asphalt material.

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

Please refer to QEP Energy Company Greater Deadman Bench EIS UTU-080-200-0369V Record of Decision dated March 31, 2008.

Water for drilling purposes would be obtained from Wonsits Valley Water Right # A 36125 (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.

**6. Source of Construction Materials:**

Please refer to QEP Energy Company Greater Deadman Bench EIS UTU-080-200-0369V Record of Decision dated March 31, 2008.

Surface and subsoil materials in the immediate area will be utilized.

Any gravel will be obtained from a commercial source.

The use of materials under BLM jurisdiction will conform with 43 CFR 3610.2-3.

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

Please refer to QEP Energy Company Greater Deadman Bench EIS UTU-080-200-0369V Record of Decision dated March 31, 2008.

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids including salts and chemicals will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be used at the next drill site or will be removed and disposed of at an approved waste disposal facility within 6 months after drilling is terminated. Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

Unless specified in the site specific APD, the reserve pit will be constructed on the location and will not be located within natural drainages, where a flood hazard exists or surface runoff will or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids.

It will be determined at the on-site inspection if a pit liner is necessary, the reserve pit will be lined with a synthetic reinforced liner, a minimum of 20 millimeters thick, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place.

No trash or scrap will be disposed of in the pit.

Reserve pit leaks are considered an undesirable event and will be orally reported to the AO.

After first production, produced wastewater will be confined to the approved pit or storage tank for a period not to exceed 90 days.

After the 90 day period, the produced water will be contained in tanks on location and then hauled by truck to one of the following pre-approved disposal sites:

Red Wash Disposal well located in the SESE, Section 28, T7S, R23E,  
West End Disposal located in the NESE, Section 28, T7S, R22E.

Produced water, oil, and other byproducts will not be applied to roads or well pads for the control of dust or weeds. The dumping of produced fluids on roads, well sites, or other areas will not be allowed.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site. The spills will be reported to the AO and other authorities as appropriate.

A chemical porta-toilet will be furnished with the drilling rig. The chemical porta-toilet wastes will be hauled to Ashley Valley Sewer and Water System for disposal.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. Trash will not be burned on location. All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig. All trash and waste material will be hauled to the Uintah County Landfill.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of wells. Furthermore, extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will not be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of wells within these areas. Specific APD's shall address any modifications from this policy.

8. **Ancillary Facilities:**

None anticipated.

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 rig orientation, parking areas, and access roads, as well as the location of the following:

The reserve pit.

The stockpiled topsoil will not be used for facility berms. All brush removed from the well pad during construction will be stockpiled with topsoil.

The flare pit or flare box will be located downwind from the prevailing wind direction.

Any drainage that crosses the well location will be diverted around the location by using ditches, water diversion drains or berms. If deemed necessary at the on-site, erosion drains may be installed to contain sediments that could be produced from access roads and well locations.

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

**10. Fencing Requirements:**

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

All pits will be fenced according to the following minimum standards:

39 inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.

All wire shall be stretched using a stretching device before it is attached to corner posts.

The reserve pit will be fenced on three (3) sides during drilling operations. The fourth side will be put in place when the rig moves off location. The pit will be fenced and maintained until it is backfilled. If drilling operations does not commence within 3 days, the fourth side of the fence will be installed.

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

Please refer to QEP Energy Company Uinta Basin Division Reclamation Plan

**Site Specific Procedures:**

**Site Specific Reclamation Summary:**

Reclamation will follow Questar Exploration and Production Company, Uinta Basin Division's Reclamation Plan, September 2009 (Questar's Reclamation Plan) and the BLM Green River District Reclamation Guidelines.

All trash and debris will be removed from the disturbed area.

The disturbed area will be backfilled with subsoil.

Topsoil will be spread to an even, appropriate depth and disked if needed.

Water courses and drainages will be restored.

Erosion control devices will be installed where needed.

Seeding will be done in the fall, prior to ground freeze up.

Seed mix will be submitted to a BLM AO for approval prior to seeding.

Monitoring and reporting will be conducted as stated in Questar's Reclamation Plan. A reference site and weed data sheet have been established and are included in this application.

It was determined and agreed upon that there is 5" inches of top soil.

**12. Surface Ownership:**

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

**13. Other Information:**

This well is being twinned on well location RW 43-26B.

A Class III archaeological survey was conducted by Montgomery Archaeology Consultants. A copy of this report was submitted on May 9, 2011, **State of Utah Antiquities Project U-11-MQ-0230b** by Montgomery Archaeology Consultants. Cultural resource clearance was recommended for this location.

A Class III paleontological survey was conducted by Intermountain Paleo Consulting. A copy of this report was submitted on May 27, 2011 **IPC # 11-33** by Stephen D. Sandau. The inspection resulted in the location of no fossil resources. However, if vertebrate fossil(s) are found during construction a paleontologist should be immediately notified. QEP will provide Paleo monitor if needed.

CONFIDENTIAL

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

Valyn Davis  
Regulatory Affairs Analyst  
QEP Energy Company  
11002 East 17500 South  
Vernal, UT 84078  
(435) 781-4331

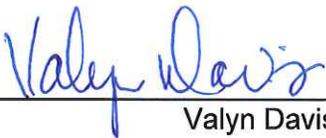
Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its 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.

QEP Energy Company is considered to be the operator of the subject well. QEP Energy Company agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

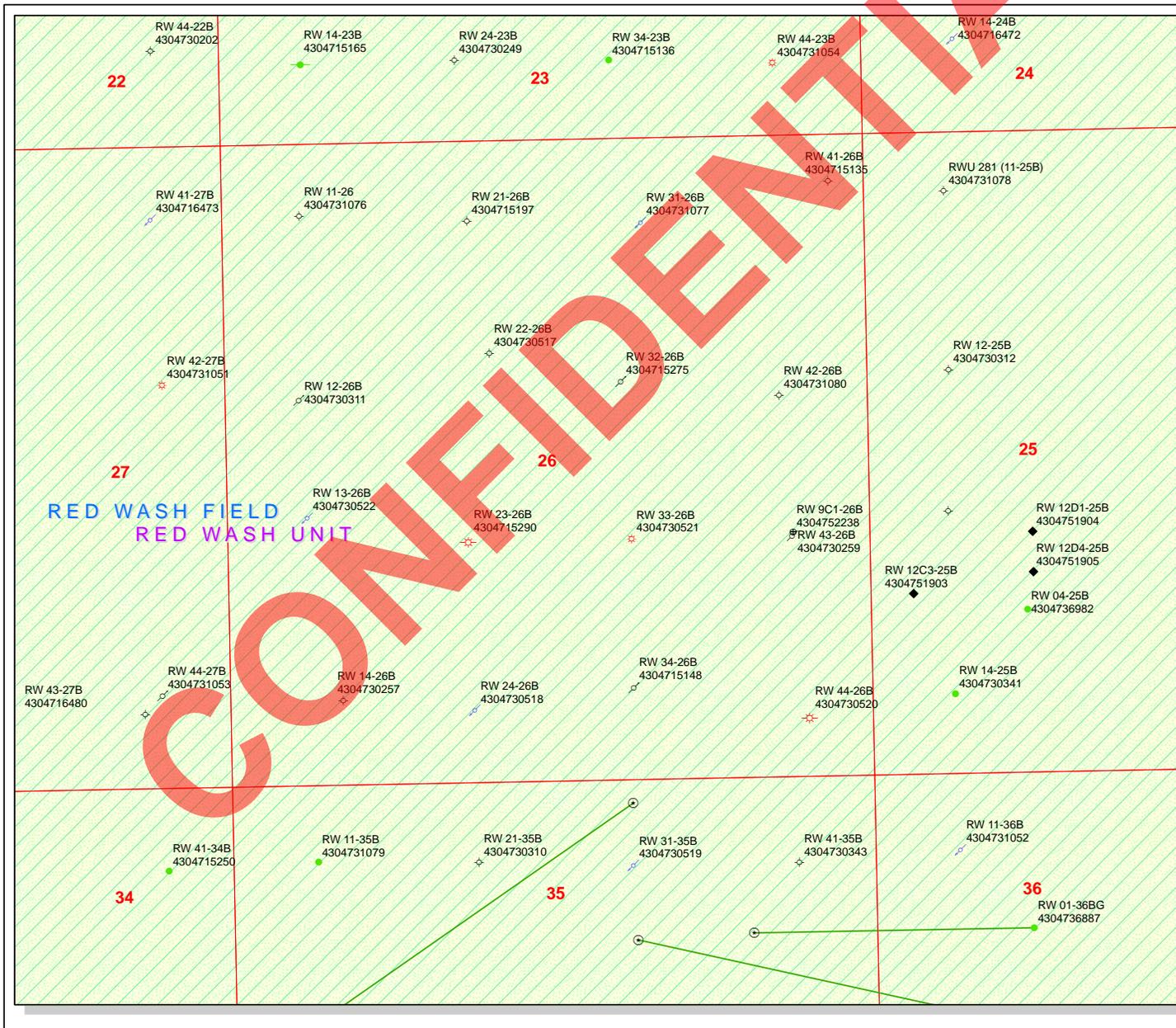
Bond coverage pursuant to 43 CFR 3104.2 for lease activities is being provided by Bond No. ESB000024

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that I have full knowledge of the State and Federal laws applicable to this operations; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed 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.

  
Valyn Davis

12/7/2011  
Date

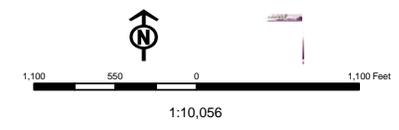
CONFIDENTIAL



**API Number: 4304752238**  
**Well Name: RW 9C1-26B**  
 Township T0.7 . Range R2.3 . Section 26  
**Meridian: SLBM**  
 Operator: QEP ENERGY COMPANY

Map Prepared:  
 Map Produced by Diana Mason

- | Units Status         | Wells Query Status                 |
|----------------------|------------------------------------|
| ACTIVE               | APD - Approved Permit              |
| EXPLORATORY          | DRL - Spudded (Drilling Commenced) |
| GAS STORAGE          | GIW - Gas Injection                |
| NF PP OIL            | GS - Gas Storage                   |
| NF SECONDARY         | LA - Location Abandoned            |
| PI OIL               | LOC - New Location                 |
| PP GAS               | OPS - Operation Suspended          |
| PP GEOTHERMAL        | PA - Plugged Abandoned             |
| PP OIL               | PGW - Producing Gas Well           |
| SECONDARY            | POW - Producing Oil Well           |
| TERMINATED           | RET - Returned APD                 |
| <b>Fields Status</b> | SGW - Shut-in Gas Well             |
| Unknown              | SOW - Shut-in Oil Well             |
| ABANDONED            | TA - Temp. Abandoned               |
| ACTIVE               | TW - Test Well                     |
| COMBINED             | WDW - Water Disposal               |
| INACTIVE             | WIW - Water Injection Well         |
| STORAGE              | WSW - Water Supply Well            |
| TERMINATED           |                                    |



# 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)

December 9, 2011

Memorandum

To: Assistant District Manager Minerals, Vernal District  
From: Michael Coulthard, Petroleum Engineer  
Subject: 2011 Plan of Development Red Wash 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 2011 within the Red Wash Unit, Uintah County, Utah.

| API#                     | WELL NAME   | LOCATION                           |
|--------------------------|-------------|------------------------------------|
| (Proposed PZ MESA VERDE) |             |                                    |
| 43-047-52231             | RW 3B4-18B  | Sec 18 T07S R23E 0687 FNL 1829 FWL |
| 43-047-52232             | RW 6C1-19B  | Sec 19 T07S R23E 1867 FNL 1621 FWL |
| 43-047-52233             | RW 11B4-25A | Sec 25 T07S R22E 1856 FSL 2023 FWL |
| 43-047-52234             | RW 12B4-27B | Sec 27 T07S R23E 1953 FSL 0766 FWL |
| 43-047-52235             | RW 16B4-30B | Sec 30 T07S R23E 0604 FSL 0518 FEL |
| 43-047-52236             | RW 8C1-19B  | Sec 19 T07S R23E 1987 FNL 0330 FEL |
| 43-047-52237             | RW 9C1-24B  | Sec 24 T07S R23E 1987 FSL 0691 FEL |
| 43-047-52238             | RW 9C1-26B  | Sec 26 T07S R23E 2008 FSL 0652 FEL |

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

Michael L. Coulthard

Digitally signed by Michael L. Coulthard  
DN: cn=Michael L. Coulthard, o=Bureau of Land Management,  
ou=Branch of Minerals, email=Michael\_Coulthard@blm.gov, c=US  
Date: 2011.12.09 11:14:08 -0700

bcc: File - Red Wash Unit  
Division of Oil Gas and Mining  
Central Files  
Agr. Sec. Chron  
Fluid Chron

MCoulthard:mc:12-9-11

**RECEIVED: December 09, 2011**

## WORKSHEET APPLICATION FOR PERMIT TO DRILL

**APD RECEIVED:** 12/7/2011

**API NO. ASSIGNED:** 43047522380000

**WELL NAME:** RW 9C1-26B

**OPERATOR:** QEP ENERGY COMPANY (N3700)

**PHONE NUMBER:** 435 781-4369

**CONTACT:** Valyn Davis

**PROPOSED LOCATION:** NESE 26 070S 230E

**Permit Tech Review:**

**SURFACE:** 2008 FSL 0652 FEL

**Engineering Review:**

**BOTTOM:** 2008 FSL 0652 FEL

**Geology Review:**

**COUNTY:** UINTAH

**LATITUDE:** 40.17883

**LONGITUDE:** -109.28712

**UTM SURF EASTINGS:** 645833.00

**NORTHINGS:** 4449012.00

**FIELD NAME:** RED WASH

**LEASE TYPE:** 1 - Federal

**LEASE NUMBER:** UTU0566

**PROPOSED PRODUCING FORMATION(S):** MESA VERDE

**SURFACE OWNER:** 1 - Federal

**COALBED METHANE:** NO

**RECEIVED AND/OR REVIEWED:**

- PLAT
  - Bond: FEDERAL - ESB000024
  - Potash
  - Oil Shale 190-5
  - Oil Shale 190-3
  - Oil Shale 190-13
  - Water Permit: A-36125/ 49-2153
  - RDCC Review:
  - Fee Surface Agreement
  - Intent to Commingle
- Commingling Approved**

**LOCATION AND SITING:**

- R649-2-3.
- Unit: RED WASH
- R649-3-2. General
- R649-3-3. Exception
- Drilling Unit
- Board Cause No: Cause 187-07
- Effective Date: 9/18/2001
- Siting: Suspends General Siting
- R649-3-11. Directional Drill

**Comments:** Presite Completed

**Stipulations:** 4 - Federal Approval - dmason



GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*Lieutenant Governor*

## State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

### Permit To Drill

\*\*\*\*\*

**Well Name:** RW 9C1-26B  
**API Well Number:** 43047522380000  
**Lease Number:** UTU0566  
**Surface Owner:** FEDERAL  
**Approval Date:** 12/12/2011

**Issued to:**

QEP ENERGY COMPANY, 11002 East 17500 South, Vernal, Ut 84078

**Authority:**

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 187-07. The expected producing formation or pool is the MESA VERDE Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

**Duration:**

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

**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.

**Conditions of Approval:**

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

**Notification Requirements:**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please leave a voicemail message if not available)

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <http://oilgas.ogm.utah.gov>

**Reporting Requirements:**

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month

- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

**Approved By:**

A handwritten signature in black ink, appearing to read "John Rogers", written in a cursive style.

For John Rogers  
Associate Director, Oil & Gas

**RECEIVED**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

DEC 08 2011

FORM APPROVED  
OMB No. 1004-0136  
Expires July 31, 2010

APPLICATION FOR PERMIT TO DRILL OR REENTER

**BLM**

5. Lease Serial No.  
UTU0566

6. If Indian, Allottee or Tribe Name

7. If Unit or CA Agreement, Name and No.  
892000761X

8. Lease Name and Well No.  
RW 9C1-26B

9. API Well No.  
43-047-52238

10. Field and Pool, or Exploratory  
RED WASH

11. Sec., T., R., M., or Blk. and Survey or Area  
Sec 26 T7S R23E Mer SLB

12. County or Parish  
UINTAH

13. State  
UT

17. Spacing Unit dedicated to this well  
40.00

20. BLM/BIA Bond No. on file  
ESB000024

23. Estimated duration  
30 DAYS

1a. Type of Work:  DRILL  REENTER

**CONFIDENTIAL**

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

2. Name of Operator  
QEP ENERGY COMPANY

Contact: VALYN DAVIS  
E-Mail: Valyn.Davis@qepres.com

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

3b. Phone No. (include area code)  
Ph: 435-781-4369  
Fx: 435-781-4395

4. Location of Well (Report location clearly and in accordance with any State requirements.)\*  
At surface NESE 2008FSL 652FEL 40.178817 N Lat, 109.287214 W Lon  
At proposed prod. zone NESE 2008FSL 652FEL 40.178817 N Lat, 109.287214 W Lon

14. Distance in miles and direction from nearest town or post office\*  
26 MILES +/- SOUTHEAST OF VERNAL, UTAH

15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)  
652'

16. No. of Acres in Lease  
1920.00

18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.  
+/- 1250'

19. Proposed Depth  
10445 MD  
10445 TVD

21. Elevations (Show whether DF, KB, RT, GL, etc.)  
5565 GL

22. Approximate date work will start  
04/01/2012

24. Attachments

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

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

25. Signature (Electronic Submission) Name (Printed/Typed) VALYN DAVIS Ph: 435-781-4369 Date 12/07/2011

Title  
REGULATORY AFFAIRS ANALYST

Approved by (Signature) Name (Printed/Typed) Jerry Kenczka Date FEB 17 2011

Title Assistant Field Manager Lands & Mineral Resources Office VERNAL FIELD OFFICE

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

**CONDITIONS OF APPROVAL ATTACHED**

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

Electronic Submission #125092 verified by the BLM Well Information System  
For QEP ENERGY COMPANY, sent to the Vernal

**RECEIVED**

FEB 27 2012

DIV. OF OIL, GAS & MINING

**UDOGM**

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

171220158A9

ADN Dinstad 12/12/20



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: QEP Energy Company  
Well No: RW 9C1-26B  
API No: 43-047-52238

Location: NESE, Sec. 26, T7S, R23E  
Lease No: UTU-0566  
Agreement: Red Wash Unit

**OFFICE NUMBER: (435) 781-4400**

**OFFICE FAX NUMBER: (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 was processed using a 390 CX tied to NEPA approved 03/31/2008. Therefore, this permit is approved for a two (2) year period OR until lease expiration OR the well must be spud by 03/31/2013 (5 years from the NEPA approval date), 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<br>(Notify Environmental Scientist)       | - Forty-Eight (48) hours prior to construction of location and access roads.  |
| Location Completion<br>(Notify Environmental Scientist)         | - Prior to moving on the drilling rig.  |
| Spud Notice<br>(Notify Petroleum Engineer)                      | - Twenty-Four (24) hours prior to spudding the well.  |
| Casing String & Cementing<br>(Notify Supv. Petroleum Tech.)     | - Twenty-Four (24) hours prior to running casing and cementing all casing strings to:<br><a href="mailto:blm_ut_vn_opreport@blm.gov">blm_ut_vn_opreport@blm.gov</a> . |
| BOP & Related Equipment Tests<br>(Notify Supv. Petroleum Tech.) | - Twenty-Four (24) hours prior to initiating pressure tests.  |
| First Production Notice<br>(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)**

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO<sub>x</sub> per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO<sub>x</sub> per horsepower-hour.
- 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.
- This project will be implemented on or after the sundry approval date. If the well has not been spudded by March 31, 2013 this sundry will expire and the operator is to cease all operations related to preparing to drill the well.
- During operations, if any vertebrate paleontological resources are discovered, all operations affecting such sites shall be immediately suspended, and all discoveries shall be left intact until authorized to proceed by the Authorized Officer. The appropriate Authorized Officer of the Vernal BLM office shall be notified within 48 hrs of the discovery, and a decision as to the preferred alternative course of action will be rendered.
- Prior to construction, an invasive plants/noxious weeds inventory will be completed for all areas where surface disturbance will occur and a completed Weed Inventory Form will be submitted to the BLM Authorized Officer.

**Reclamation**

- Reclamation will be completed in accordance with the Questar Exploration and Production Company, Uintah Basin Division's Reclamation Plan on file with the Vernal Field Office of the BLM.
- The operator shall submit a Sundry Notice (Form 3160-5) to the BLM Authorized Officer (AO) 3 growing seasons after reclamation efforts have occurred evaluating the status of the reclaimed areas in order to determine whether the BLM standards set forth in the Green River District Reclamation Guidelines have been met (30% or greater basal cover).

**DOWNHOLE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

**SITE SPECIFIC DOWNHOLE COAs:**

- Gamma ray log shall be run from Total Depth to Surface.
- CBL will be run from TD to TOC.

**Variations Granted:**

- Air Drilling
  - Properly lubricated and maintained rotating head. Variance granted to use a properly maintained and lubricated diverter bowl in place of a rotating head
  - Blooie line discharge 100' from the well bore. Variance granted for blooie line discharge to be 50' to 70' from the well bore.
  - Compressors located in the opposite direction from the blooie line a minimum of 100' from the well bore. Variance granted for truck/trailer mounted air compressors located 50' from the well bore.
  - In lieu of mud productions on location, operator will fill a 400 bbl tank with water for the kill medium.
  - Automatic igniter. Variance granted for igniter, a diffuser will be used instead. Operator will mount a deflector at the end of the blooie line to change direction and reduce the velocity of the cuttings flow to the reserve pit.
  - Flare pit. Variance granted, there is no need of a flare during the drilling of the surface hole.

**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.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- 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.
- While actively drilling, 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 BLM\_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.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at [www.ONRR.gov](http://www.ONRR.gov).
- 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.

|  |  |   |
|--|--|---|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING  |  | <b>FORM 9</b>   |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. |  | <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b><br>UTU0566 |
|  |  | <b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>              |
| <b>1. TYPE OF WELL</b><br>Gas Well   |  | <b>7. UNIT or CA AGREEMENT NAME:</b><br>RED WASH          |
| <b>2. NAME OF OPERATOR:</b><br>QEP ENERGY COMPANY  |  | <b>8. WELL NAME and NUMBER:</b><br>RW 9C1-26B             |
| <b>3. ADDRESS OF OPERATOR:</b><br>11002 East 17500 South , Vernal, Ut, 84078   |  | <b>9. API NUMBER:</b><br>43047522380000                   |
| <b>PHONE NUMBER:</b><br>303 308-3068 Ext   |  | <b>9. FIELD and POOL or WILDCAT:</b><br>RED WASH          |
| <b>4. LOCATION OF WELL</b><br><b>FOOTAGES AT SURFACE:</b><br>2008 FSL 0652 FEL<br><b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b><br>Qtr/Qtr: NESE Section: 26 Township: 07.0S Range: 23.0E Meridian: S  |  | <b>COUNTY:</b><br>UINTAH                                  |
|  |  | <b>STATE:</b><br>UTAH                                     |

11.

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

| TYPE OF SUBMISSION   | TYPE OF ACTION   |   |   |
|--|--|---|---|
| <input type="checkbox"/> NOTICE OF INTENT<br>Approximate date work will start: | <input type="checkbox"/> ACIDIZE                       | <input type="checkbox"/> ALTER CASING                   | <input type="checkbox"/> CASING REPAIR                  |
| <input type="checkbox"/> SUBSEQUENT REPORT<br>Date of Work Completion:         | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS      | <input type="checkbox"/> CHANGE TUBING                  | <input type="checkbox"/> CHANGE WELL NAME               |
| <input checked="" type="checkbox"/> SPUD REPORT<br>Date of Spud:<br>4/26/2012  | <input type="checkbox"/> CHANGE WELL STATUS            | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> CONVERT WELL TYPE              |
| <input type="checkbox"/> DRILLING REPORT<br>Report Date:                       | <input type="checkbox"/> DEEPEN                        | <input type="checkbox"/> FRACTURE TREAT                 | <input type="checkbox"/> NEW CONSTRUCTION               |
|  | <input type="checkbox"/> OPERATOR CHANGE               | <input type="checkbox"/> PLUG AND ABANDON               | <input type="checkbox"/> PLUG BACK                      |
|  | <input type="checkbox"/> PRODUCTION START OR RESUME    | <input type="checkbox"/> RECLAMATION OF WELL SITE       | <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION |
|  | <input type="checkbox"/> REPERFORATE CURRENT FORMATION | <input type="checkbox"/> SIDETRACK TO REPAIR WELL       | <input type="checkbox"/> TEMPORARY ABANDON              |
|  | <input type="checkbox"/> TUBING REPAIR                 | <input type="checkbox"/> VENT OR FLARE                  | <input type="checkbox"/> WATER DISPOSAL                 |
|  | <input type="checkbox"/> WATER SHUTOFF                 | <input type="checkbox"/> SI TA STATUS EXTENSION         | <input type="checkbox"/> APD EXTENSION                  |
|  | <input type="checkbox"/> WILDCAT WELL DETERMINATION    | <input type="checkbox"/> OTHER                          | OTHER: <input style="width: 100px;" type="text"/>       |

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

ON 04/26/2012- DRILLED 40' OF 20" CONDUCTOR HOLE. SET 40' OF 14" CONDUCTOR PIPE. CEMENTED WITH READY MIX.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
April 27, 2012**

|   |                                     |  |
|---|-------------------------------------|--|
| <b>NAME (PLEASE PRINT)</b><br>Valyn Davis | <b>PHONE NUMBER</b><br>435 781-4369 | <b>TITLE</b><br>Regulatory Affairs Analyst |
| <b>SIGNATURE</b><br>N/A                   | <b>DATE</b><br>4/26/2012            |  |

|  |  |
|--|--|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING  | FORM 9<br><br>5. LEASE DESIGNATION AND SERIAL NUMBER:<br>UTU0566                         |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>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:<br><br>7. UNIT or CA AGREEMENT NAME:<br>RED WASH   |
| 1. TYPE OF WELL<br>Gas Well  | 8. WELL NAME and NUMBER:<br>RW 9C1-26B   |
| 2. NAME OF OPERATOR:<br>QEP ENERGY COMPANY   | 9. API NUMBER:<br>43047522380000   |
| 3. ADDRESS OF OPERATOR:<br>11002 East 17500 South , Vernal, Ut, 84078  | PHONE NUMBER:<br>303 308-3068 Ext  |
| 4. LOCATION OF WELL<br>FOOTAGES AT SURFACE:<br>2008 FSL 0652 FEL<br>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:<br>Qtr/Qtr: NESE Section: 26 Township: 07.0S Range: 23.0E Meridian: S   | 9. FIELD and POOL or WILDCAT:<br>RED WASH<br><br>COUNTY:<br>UINTAH<br><br>STATE:<br>UTAH |

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

| TYPE OF SUBMISSION  | TYPE OF ACTION   |   |   |
|---|--|---|---|
| <input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b><br>Approximate date work will start:<br>5/17/2012<br><br><input type="checkbox"/> <b>SUBSEQUENT REPORT</b><br>Date of Work Completion:<br><br><input type="checkbox"/> <b>SPUD REPORT</b><br>Date of Spud:<br><br><input type="checkbox"/> <b>DRILLING REPORT</b><br>Report Date: | <input type="checkbox"/> ACIDIZE<br><input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS<br><input type="checkbox"/> CHANGE WELL STATUS<br><input type="checkbox"/> DEEPEN<br><input type="checkbox"/> OPERATOR CHANGE<br><input type="checkbox"/> PRODUCTION START OR RESUME<br><input type="checkbox"/> REPERFORATE CURRENT FORMATION<br><input type="checkbox"/> TUBING REPAIR<br><input type="checkbox"/> WATER SHUTOFF<br><input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> ALTER CASING<br><input type="checkbox"/> CHANGE TUBING<br><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS<br><input type="checkbox"/> FRACTURE TREAT<br><input type="checkbox"/> PLUG AND ABANDON<br><input type="checkbox"/> RECLAMATION OF WELL SITE<br><input type="checkbox"/> SIDETRACK TO REPAIR WELL<br><input type="checkbox"/> VENT OR FLARE<br><input type="checkbox"/> SI TA STATUS EXTENSION<br><input type="checkbox"/> OTHER | <input type="checkbox"/> CASING REPAIR<br><input type="checkbox"/> CHANGE WELL NAME<br><input type="checkbox"/> CONVERT WELL TYPE<br><input type="checkbox"/> NEW CONSTRUCTION<br><input type="checkbox"/> PLUG BACK<br><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION<br><input type="checkbox"/> TEMPORARY ABANDON<br><input type="checkbox"/> WATER DISPOSAL<br><input type="checkbox"/> APD EXTENSION<br>OTHER: <input style="width: 100px;" type="text"/> |

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

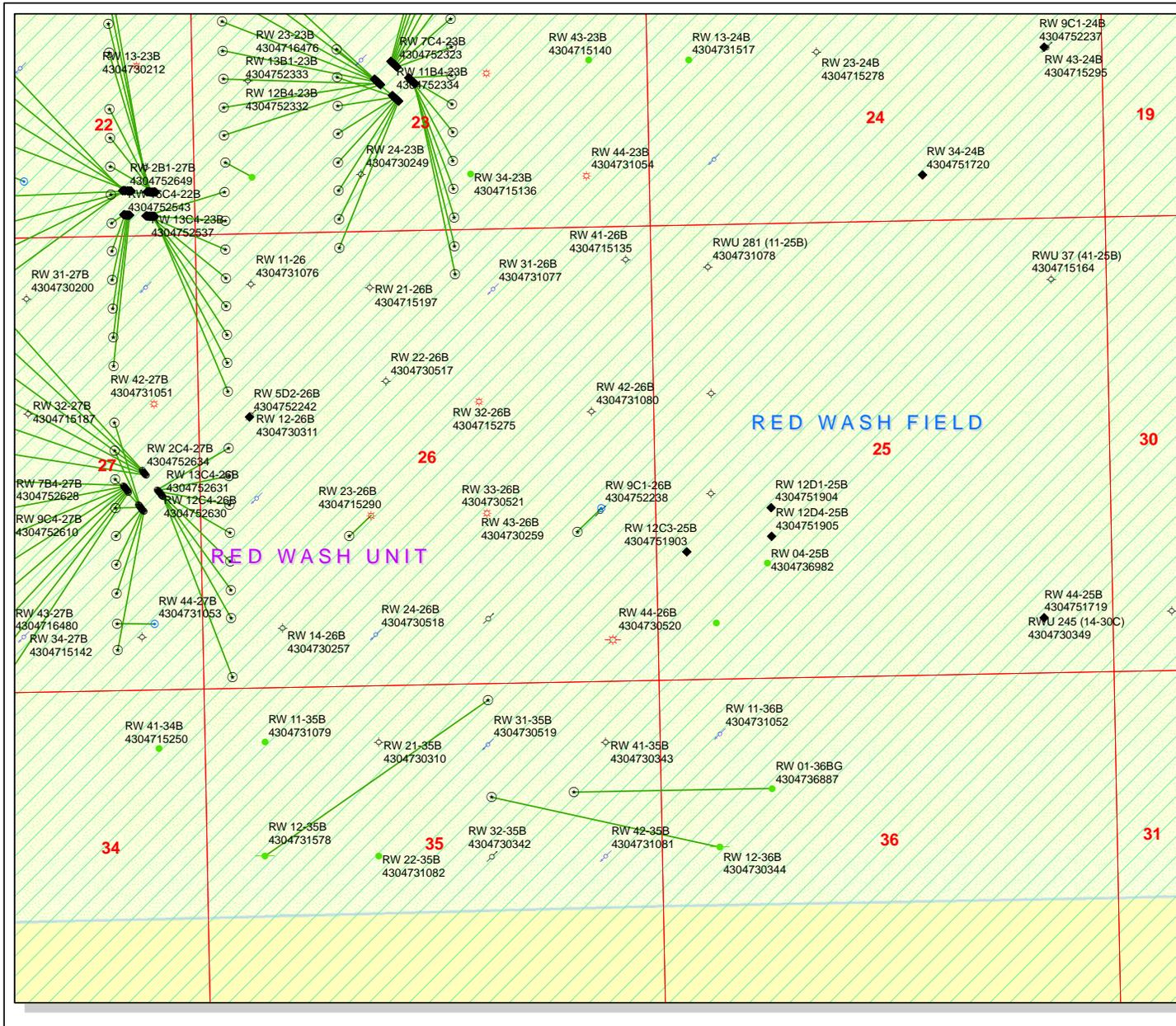
QEP ENERGY COMPANY WOULD LIKE TO OPTIMIZE THE BOTTOM HOLE SPACING OF THE MESA VERDE DEVELOPMENT, THEREFORE, QEP ENERGY COMPANY WOULD LIKE TO DRILL THIS WELL DIRECTIONALLY.

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

**Date:** May 21, 2012

**By:** 

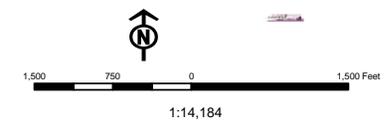
|  |                                     |                              |
|--|-------------------------------------|------------------------------|
| <b>NAME (PLEASE PRINT)</b><br>Jan Nelson | <b>PHONE NUMBER</b><br>435 781-4331 | <b>TITLE</b><br>Permit Agent |
| <b>SIGNATURE</b><br>N/A                  | <b>DATE</b><br>5/17/2012            |                              |



**API Number: 4304752238**  
**Well Name: RW 9C1-26B**  
 Township T0.7 . Range R2.3 . Section 26  
 Meridian: SLBM  
 Operator: QEP ENERGY COMPANY

Map Prepared:  
 Map Produced by Diana Mason

| Units STATUS | Wells Query Status                 |
|--------------|------------------------------------|
| ACTIVE       | APD - Approved Permit              |
| EXPLORATORY  | DRL - Spudded (Drilling Commenced) |
| GAS STORAGE  | GMW - Gas Injection                |
| NF PP OIL    | GS - Gas Storage                   |
| NF SECONDARY | LA - Location Abandoned            |
| PI OIL       | LOC - New Location                 |
| PP GAS       | OPS - Operation Suspended          |
| PP GEOTHERM  | PA - Plugged Abandoned             |
| PP OIL       | PGW - Producing Gas Well           |
| SECONDARY    | POW - Producing Oil Well           |
| TERMINATED   | RET - Returned APD                 |
| Unknown      | SGW - Shut-in Gas Well             |
| ABANDONED    | SOW - Shut-in Oil Well             |
| ACTIVE       | TA - Temp. Abandoned               |
| COMBINED     | TW - Test Well                     |
| INACTIVE     | WDW - Water Disposal               |
| STORAGE      | WWW - Water Injection Well         |
| TERMINATED   | WSW - Water Supply Well            |





**QEP Energy Company**

11002 East 17500 South  
Vernal, UT 84078  
Telephone 435-781-4331  
Fax 435-781-4395

May 16, 2012

Ms. Diana Mason  
Division of Oil, Gas and Mining  
P.O. Box 145801  
Salt Lake City, UT 84114-6100

RE: Directional Drilling R649-3-11  
Red Wash Unit

**RW 9C1-26B**

2008' FSL 652' FEL, NESE, Section 26, T7S, R23E (Surface)  
1745' FSL 933' FEL, NESW, Section 26, T7S, R23E (Bottom Hole)  
Uintah County, Utah

Dear Ms. Mason:

Pursuant to the filing of QEP Energy Company Application for Permit to Drill regarding the above referenced well, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649 -3-11 pertaining to the location and drilling of a directional well.

QEP Energy Company would like to optimize the bottom hole spacing of the Mesa Verde development; therefore, QEP Energy Company would like to drill this well directionally.

Furthermore, QEP Energy Company certifies that it is the sole working interest owner within 460 feet of the entire directional well bore.

Therefore, based on the above stated information QEP Energy Company requests the permit be granted pursuant to Rule R649-3-11.

Sincerely,

QEP Energy Company

A handwritten signature in blue ink that reads 'Jan Nelson'. The signature is written in a cursive style with a large initial 'J'.

Jan Nelson  
Permit Agent

**QEP ENERGY COMPANY**

Well location, RW #9C1-26B, located as shown in the NE 1/4 SE 1/4 of Section 26, T7S, R23E, S.L.B.&M., Uintah County, Utah.

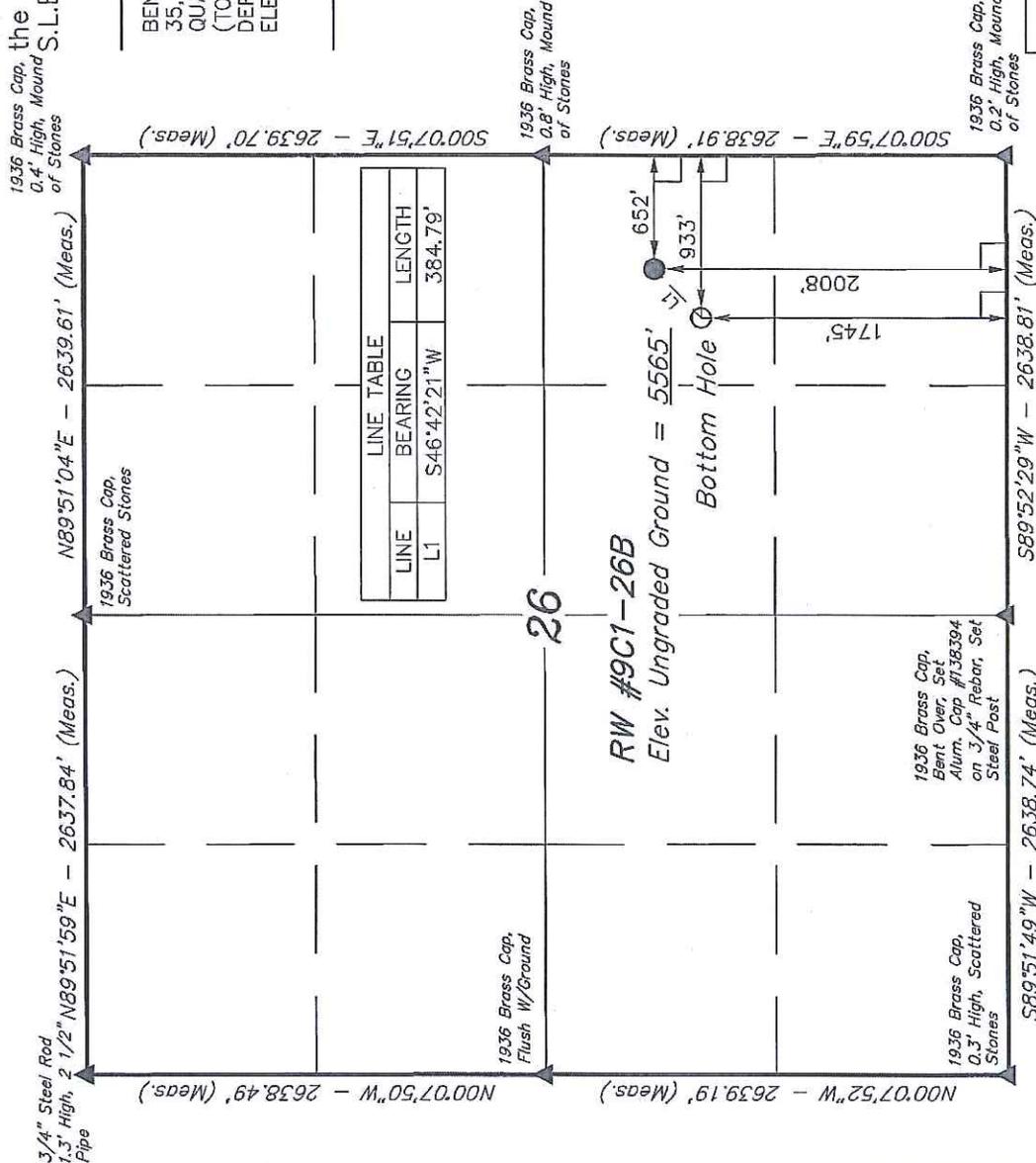
**BASIS OF ELEVATION**

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

**BASIS OF BEARINGS**

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

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



| LINE TABLE |             |         |
|------------|-------------|---------|
| LINE       | BEARING     | LENGTH  |
| L1         | S46°42'21"W | 384.79' |



REV.: 05-03-12 C.A.G.  
REV.: 11-02-11 J.I.

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

|         |                |                |                    |             |          |
|---------|----------------|----------------|--------------------|-------------|----------|
| SCALE   | 1" = 1000'     | DATE SURVEYED: | 03-14-11           | DATE DRAWN: | 03-18-11 |
| PARTY   | A.F. J.C. K.O. | REFERENCES     | G.L.O. PLAT        |             |          |
| WEATHER | COLD           | FILE           | QEP ENERGY COMPANY |             |          |

**LEGEND:**

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

|  |  |
|--|--|
| NAD 83 (TARGET BOTTOM HOLE)            | NAD 83 (SURFACE LOCATION)              |
| LATITUDE = 40°10'41.14" (40.178094)    | LATITUDE = 40°10'43.74" (40.178817)    |
| LONGITUDE = 109°17'17.59" (109.288219) | LONGITUDE = 109°17'13.97" (109.287214) |
| NAD 27 (TARGET BOTTOM HOLE)            | NAD 27 (SURFACE LOCATION)              |
| LATITUDE = 40°10'41.27" (40.178131)    | LATITUDE = 40°10'43.87" (40.178653)    |
| LONGITUDE = 109°17'15.14" (109.287539) | LONGITUDE = 109°17'11.52" (109.286533) |



QEP Energy Company

## **QEP ENERGY (UT)**

**Red Wash**

**RW 9C1-26B**

**RW 9C1-26B**

**Original Hole**

**Plan: Plan ver.0**

## **Standard Planning Report**

**16 April, 2012**



QEP Energy Company



**QEP Resources, Inc.**  
Planning Report



|                  |                 |                                     |                                |
|------------------|-----------------|-------------------------------------|--------------------------------|
| <b>Database:</b> | EDMDB_QEP       | <b>Local Co-ordinate Reference:</b> | Well RW 9C1-26B                |
| <b>Company:</b>  | QEP ENERGY (UT) | <b>TVD Reference:</b>               | RKB @ 5580.80usft (FRONTIER 2) |
| <b>Project:</b>  | Red Wash        | <b>MD Reference:</b>                | RKB @ 5580.80usft (FRONTIER 2) |
| <b>Site:</b>     | RW 9C1-26B      | <b>North Reference:</b>             | True                           |
| <b>Well:</b>     | RW 9C1-26B      | <b>Survey Calculation Method:</b>   | Minimum Curvature              |
| <b>Wellbore:</b> | Original Hole   |                                     |                                |
| <b>Design:</b>   | Plan ver.0      |                                     |                                |

|                    |                           |                      |                             |
|--------------------|---------------------------|----------------------|-----------------------------|
| <b>Project</b>     | Red Wash                  |                      |                             |
| <b>Map System:</b> | US State Plane 1983       | <b>System Datum:</b> | Mean Sea Level              |
| <b>Geo Datum:</b>  | North American Datum 1983 |                      |                             |
| <b>Map Zone:</b>   | Utah Central Zone         |                      | Using geodetic scale factor |

|                              |            |                     |                    |                          |             |
|------------------------------|------------|---------------------|--------------------|--------------------------|-------------|
| <b>Site</b>                  | RW 9C1-26B |                     |                    |                          |             |
| <b>Site Position:</b>        |            | <b>Northing:</b>    | 7,241,506.594 usft | <b>Latitude:</b>         | 40.178817   |
| <b>From:</b>                 | Lat/Long   | <b>Easting:</b>     | 2,258,622.848 usft | <b>Longitude:</b>        | -109.287214 |
| <b>Position Uncertainty:</b> | 0.00 usft  | <b>Slot Radius:</b> | 13-3/16 "          | <b>Grid Convergence:</b> | 1.42 °      |

|                             |              |           |                            |                    |                      |               |
|-----------------------------|--------------|-----------|----------------------------|--------------------|----------------------|---------------|
| <b>Well</b>                 | RW 9C1-26B   |           |                            |                    |                      |               |
| <b>Well Position</b>        | <b>+N/-S</b> | 0.00 usft | <b>Northing:</b>           | 7,241,506.590 usft | <b>Latitude:</b>     | 40.178817     |
|                             | <b>+E/-W</b> | 0.00 usft | <b>Easting:</b>            | 2,258,622.848 usft | <b>Longitude:</b>    | -109.287214   |
| <b>Position Uncertainty</b> |              | 0.00 usft | <b>Wellhead Elevation:</b> | 5,564.80 usft      | <b>Ground Level:</b> | 5,564.80 usft |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | Original Hole     |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | IGRF2010          | 4/12/2012          | 10.90                  | 66.03                | 52,368                     |

|                          |                                |                     |                      |                      |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------|
| <b>Design</b>            | Plan ver.0                     |                     |                      |                      |
| <b>Audit Notes:</b>      |                                |                     |                      |                      |
| <b>Version:</b>          | <b>Phase:</b>                  | PLAN                | <b>Tie On Depth:</b> | 0.00                 |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b>  | <b>Direction (°)</b> |
|                          | 0.00                           | 0.00                | 0.00                 | 226.71               |

| Plan Sections         |                 |             |                       |              |              |                         |                        |                       |         |        |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|------------------------|-----------------------|---------|--------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | TFO (°) | Target |
| 0.00                  | 0.00            | 0.00        | 0.00                  | 0.00         | 0.00         | 0.00                    | 0.00                   | 0.00                  | 0.00    |        |
| 1,500.00              | 0.00            | 0.00        | 1,500.00              | 0.00         | 0.00         | 0.00                    | 0.00                   | 0.00                  | 0.00    |        |
| 1,955.25              | 9.11            | 245.02      | 1,953.34              | -15.24       | -32.72       | 2.00                    | 2.00                   | 0.00                  | 245.02  |        |
| 3,919.99              | 9.11            | 245.02      | 3,893.32              | -146.52      | -314.56      | 0.00                    | 0.00                   | 0.00                  | 0.00    |        |
| 4,830.50              | 0.00            | 0.00        | 4,800.00              | -177.00      | -380.00      | 1.00                    | -1.00                  | 0.00                  | 180.00  |        |
| 8,135.50              | 0.00            | 0.00        | 8,105.00              | -177.00      | -380.00      | 0.00                    | 0.00                   | 0.00                  | 0.00    |        |
| 8,485.50              | 3.50            | 131.00      | 8,454.78              | -184.01      | -371.93      | 1.00                    | 1.00                   | 0.00                  | 131.00  |        |
| 10,479.43             | 3.50            | 131.00      | 10,445.00             | -263.87      | -280.07      | 0.00                    | 0.00                   | 0.00                  | 0.00    |        |



**QEP Resources, Inc.**  
Planning Report



|                  |                 |                                     |                                |
|------------------|-----------------|-------------------------------------|--------------------------------|
| <b>Database:</b> | EDMDB_QEP       | <b>Local Co-ordinate Reference:</b> | Well RW 9C1-26B                |
| <b>Company:</b>  | QEP ENERGY (UT) | <b>TVD Reference:</b>               | RKB @ 5580.80usft (FRONTIER 2) |
| <b>Project:</b>  | Red Wash        | <b>MD Reference:</b>                | RKB @ 5580.80usft (FRONTIER 2) |
| <b>Site:</b>     | RW 9C1-26B      | <b>North Reference:</b>             | True                           |
| <b>Well:</b>     | RW 9C1-26B      | <b>Survey Calculation Method:</b>   | Minimum Curvature              |
| <b>Wellbore:</b> | Original Hole   |                                     |                                |
| <b>Design:</b>   | Plan ver.0      |                                     |                                |

| Planned Survey        |                 |             |                       |              |              |                         |                         |                        |                       |      |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |      |
| 0.00                  | 0.00            | 0.00        | 0.00                  | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 1,500.00              | 0.00            | 0.00        | 1,500.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 1,955.25              | 9.11            | 245.02      | 1,953.34              | -15.24       | -32.72       | 34.27                   | 2.00                    | 2.00                   | 0.00                  | 0.00 |
| 3,919.99              | 9.11            | 245.02      | 3,893.32              | -146.52      | -314.56      | 329.42                  | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 4,830.50              | 0.00            | 0.00        | 4,800.00              | -177.00      | -380.00      | 397.96                  | 1.00                    | -1.00                  | 0.00                  | 0.00 |
| 8,135.50              | 0.00            | 0.00        | 8,105.00              | -177.00      | -380.00      | 397.96                  | 0.00                    | 0.00                   | 0.00                  | 0.00 |
| 8,485.50              | 3.50            | 131.00      | 8,454.78              | -184.01      | -371.93      | 396.89                  | 1.00                    | 1.00                   | 0.00                  | 0.00 |
| 10,479.43             | 3.50            | 131.00      | 10,445.00             | -263.87      | -280.07      | 384.79                  | 0.00                    | 0.00                   | 0.00                  | 0.00 |

| Design Targets   |               |              |            |              |              |                 |                |           |             |
|--|---------------|--------------|------------|--------------|--------------|-----------------|----------------|-----------|-------------|
| Target Name  | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude  | Longitude   |
| RW 9C1-26B   | 0.00          | 0.00         | 8,000.00   | -222.09      | -328.68      | 7,241,276.460   | 2,258,299.790  | 40.178207 | -109.288390 |
| - hit/miss target  |               |              |            |              |              |                 |                |           |             |
| - Shape  |               |              |            |              |              |                 |                |           |             |
| - plan misses target center by 68.31usft at 8030.50usft MD (8000.00 TVD, -177.00 N, -380.00 E) |               |              |            |              |              |                 |                |           |             |
| - Circle (radius 100.00)   |               |              |            |              |              |                 |                |           |             |



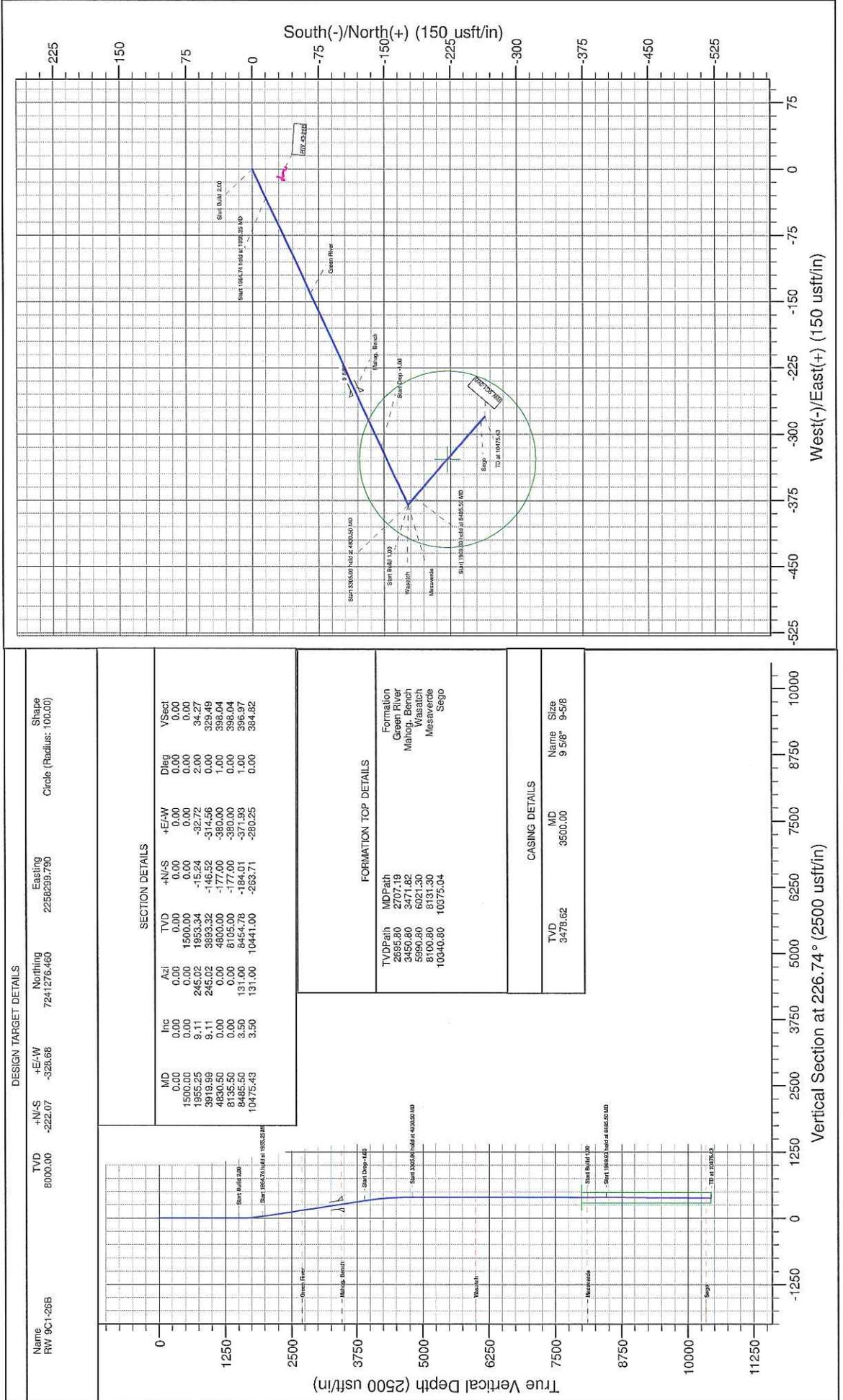
# Company Name: QEP ENERGY (UT)



Project: Red Wash  
 Site: RW 43-26B (9C1-26B)  
 Well: RW 9C1-26B  
 Wellbore: Original Hole  
 Design: Plan ver 0

Align to True North  
 Magnetic North: 10.50°  
 Magnetic Field  
 Strength: 59385.1e27  
 Dip Angle: 66.03°  
 North: 13122010

| WELL DETAILS: RW 9C1-26B   |             | PROJECT DETAILS: Red Wash   |             |
|--|-------------|---|-------------|
| +NU-S  | 0.00        | +EAW  | 0.00        |
| Northing   | 7241506.574 | Easting   | 225622.848  |
| Ground Level:  | 3594.0      | Longitude   | -108.287214 |
| Slot   |             | Latitude  | 40.178817   |
| Co-ordinate (N/E) Reference: Well RW 9C1-26B, True North<br>Vertical (TVD) Reference: RKB @ 5580.80usft (FRONTIER 2)<br>Section (VS) Reference: Slot - (0.00N, 0.00E)<br>Measured Depth Reference: RKB @ 5560.80usft (FRONTIER 2)<br>Calculation Method: Minimum Curvature |             | Geodetic System: US State Plane 1983<br>Datum: GRS 1980<br>Ellipsoid: GRS 1980<br>Zone: Utah Central Zone<br>System Datum: Mean Sea Level |             |



|  |  |
|--|--|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING  | FORM 9<br><br>5. LEASE DESIGNATION AND SERIAL NUMBER:<br>UTU0566                       |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>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:<br><br>7. UNIT or CA AGREEMENT NAME:<br>RED WASH |
| 1. TYPE OF WELL<br>Gas Well  | 8. WELL NAME and NUMBER:<br>RW 9C1-26B   |
| 2. NAME OF OPERATOR:<br>QEP ENERGY COMPANY   | 9. API NUMBER:<br>43047522380000   |
| 3. ADDRESS OF OPERATOR:<br>11002 East 17500 South , Vernal, Ut, 84078  | PHONE NUMBER:<br>303 308-3068 Ext  |
| 9. FIELD and POOL or WILDCAT:<br>RED WASH  |  |
| 4. LOCATION OF WELL<br>FOOTAGES AT SURFACE:<br>2008 FSL 0652 FEL<br>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:<br>Qtr/Qtr: NESE Section: 26 Township: 07.0S Range: 23.0E Meridian: S   | COUNTY:<br>UINTAH<br><br>STATE:<br>UTAH  |

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

| TYPE OF SUBMISSION   | TYPE OF ACTION   |   |   |
|--|--|---|---|
| <input checked="" type="checkbox"/> NOTICE OF INTENT<br>Approximate date work will start:<br>5/1/2012<br><br><input type="checkbox"/> SUBSEQUENT REPORT<br>Date of Work Completion:<br><br><input type="checkbox"/> SPUD REPORT<br>Date of Spud:<br><br><input type="checkbox"/> DRILLING REPORT<br>Report Date: | <input type="checkbox"/> ACIDIZE<br><br><input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS<br><br><input type="checkbox"/> CHANGE WELL STATUS<br><br><input type="checkbox"/> DEEPEN<br><br><input type="checkbox"/> OPERATOR CHANGE<br><br><input type="checkbox"/> PRODUCTION START OR RESUME<br><br><input type="checkbox"/> REPERFORATE CURRENT FORMATION<br><br><input type="checkbox"/> TUBING REPAIR<br><br><input type="checkbox"/> WATER SHUTOFF<br><br><input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> ALTER CASING<br><br><input type="checkbox"/> CHANGE TUBING<br><br><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS<br><br><input type="checkbox"/> FRACTURE TREAT<br><br><input type="checkbox"/> PLUG AND ABANDON<br><br><input type="checkbox"/> RECLAMATION OF WELL SITE<br><br><input type="checkbox"/> SIDETRACK TO REPAIR WELL<br><br><input type="checkbox"/> VENT OR FLARE<br><br><input type="checkbox"/> SI TA STATUS EXTENSION<br><br><input type="checkbox"/> OTHER | <input type="checkbox"/> CASING REPAIR<br><br><input type="checkbox"/> CHANGE WELL NAME<br><br><input type="checkbox"/> CONVERT WELL TYPE<br><br><input type="checkbox"/> NEW CONSTRUCTION<br><br><input type="checkbox"/> PLUG BACK<br><br><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION<br><br><input type="checkbox"/> TEMPORARY ABANDON<br><br><input type="checkbox"/> WATER DISPOSAL<br><br><input type="checkbox"/> APD EXTENSION<br><br>OTHER: <input style="width: 100px;" type="text"/> |

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

QEP Energy Company requests to change the drilling procedure for the above mentioned well as follows: The surface hole will be drilled with air, air/mist, foam, or mud depending on hole conditions. Drilling below surface casing will be with water based drilling fluids consisting primarily of fresh water, bentonite, lignite, caustic, lime, soda ash and polymers. No chromates will be used. It is not intended to use oil in the mud, however, in the event it is used, oil concentration will be less than 4% by volume. Maximum anticipated mud weight is 9.5 ppg.

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

Date: May 24, 2012

By: Dark Owe

|                                    |                              |                                     |
|------------------------------------|------------------------------|-------------------------------------|
| NAME (PLEASE PRINT)<br>Valyn Davis | PHONE NUMBER<br>435 781-4369 | TITLE<br>Regulatory Affairs Analyst |
| SIGNATURE<br>N/A                   | DATE<br>5/2/2012             |                                     |

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

FORM 6

**ENTITY ACTION FORM**

Operator: QEP ENERGY COMPANY Operator Account Number: N 3700  
 Address: 11002 EAST 17500 SOUTH  
 city VERNAL  
 state UT zip 84078 Phone Number: (435) 781-4369

**Well 1**

| API Number                                     | Well Name             |                   | QQ        | Sec | Twp                              | Rng | County |
|--|-----------------------|-------------------|-----------|-----|----------------------------------|-----|--------|
| 4304715178                                     | RW 14-18B             |                   | SWSW      | 18  | 7S                               | 23E | UINTAH |
| Action Code                                    | Current Entity Number | New Entity Number | Spud Date |     | Entity Assignment Effective Date |     |        |
| D  | 5670                  | 18478             | 4/11/2012 |     | 1/1/2012                         |     |        |
| Comments: <u>GRRV TO WMVRD</u><br><u>WMMFD</u> |                       |                   |           |     |                                  |     |        |

**CONFIDENTIAL** 5/11/12

**Well 2**

| API Number                                     | Well Name             |                   | QQ        | Sec | Twp                              | Rng | County |
|--|-----------------------|-------------------|-----------|-----|----------------------------------|-----|--------|
| 4304715296                                     | RW 12-14B             |                   | SWNW      | 14  | 7S                               | 23E | UINTAH |
| Action Code                                    | Current Entity Number | New Entity Number | Spud Date |     | Entity Assignment Effective Date |     |        |
| D  | 5670                  | 18478             | 4/23/2012 |     | 1/1/2012                         |     |        |
| Comments: <u>GRRV TO WMVRD</u><br><u>WMMFD</u> |                       |                   |           |     |                                  |     |        |

**CONFIDENTIAL** 5/11/12

**Well 3**

| API Number                             | Well Name             |                   | QQ        | Sec | Twp                              | Rng | County |
|--|-----------------------|-------------------|-----------|-----|----------------------------------|-----|--------|
| 4304752238                             | RW 9C1-26B            |                   | NESE      | 26  | 7S                               | 23E | UINTAH |
| Action Code                            | Current Entity Number | New Entity Number | Spud Date |     | Entity Assignment Effective Date |     |        |
| B                                      | <u>New</u>            | 18478             | 4/26/2012 |     | 1/1/2012                         |     |        |
| Comments: <u>WMVRD</u><br><u>WMMFD</u> |                       |                   |           |     |                                  |     |        |

**CONFIDENTIAL** 5/11/12

**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)

**RECEIVED**

MAY 01 2012

Div. of Oil, Gas & Mining

Valyn Davis

Name (Please Print)

Signature

Regulatory Affairs Analyst

Title

4/30/2012

Date

|  |  |   |
|--|--|---|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING  |  | <b>FORM 9</b>   |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. |  | <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b><br>UTU0566 |
|  |  | <b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>              |
| <b>1. TYPE OF WELL</b><br>Gas Well   |  | <b>7. UNIT or CA AGREEMENT NAME:</b><br>RED WASH          |
| <b>2. NAME OF OPERATOR:</b><br>QEP ENERGY COMPANY  |  | <b>8. WELL NAME and NUMBER:</b><br>RW 9C1-26B             |
| <b>3. ADDRESS OF OPERATOR:</b><br>11002 East 17500 South , Vernal, Ut, 84078   |  | <b>9. API NUMBER:</b><br>43047522380000                   |
| <b>PHONE NUMBER:</b><br>303 308-3068 Ext   |  | <b>9. FIELD and POOL or WILDCAT:</b><br>RED WASH          |
| <b>4. LOCATION OF WELL</b><br><b>FOOTAGES AT SURFACE:</b><br>2008 FSL 0652 FEL<br><b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b><br>Qtr/Qtr: NESE Section: 26 Township: 07.0S Range: 23.0E Meridian: S  |  | <b>COUNTY:</b><br>UINTAH                                  |
|  |  | <b>STATE:</b><br>UTAH                                     |

11.

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

| TYPE OF SUBMISSION  | TYPE OF ACTION   |   |   |
|---|--|---|---|
| <input type="checkbox"/> NOTICE OF INTENT<br>Approximate date work will start:                | <input type="checkbox"/> ACIDIZE                               | <input type="checkbox"/> ALTER CASING                   | <input type="checkbox"/> CASING REPAIR                  |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT<br>Date of Work Completion:<br>6/8/2012 | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS              | <input type="checkbox"/> CHANGE TUBING                  | <input type="checkbox"/> CHANGE WELL NAME               |
| <input type="checkbox"/> SPUD REPORT<br>Date of Spud:   | <input type="checkbox"/> CHANGE WELL STATUS                    | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> CONVERT WELL TYPE              |
| <input type="checkbox"/> DRILLING REPORT<br>Report Date:                                      | <input type="checkbox"/> DEEPEN                                | <input type="checkbox"/> FRACTURE TREAT                 | <input type="checkbox"/> NEW CONSTRUCTION               |
|   | <input type="checkbox"/> OPERATOR CHANGE                       | <input type="checkbox"/> PLUG AND ABANDON               | <input type="checkbox"/> PLUG BACK                      |
|   | <input checked="" type="checkbox"/> PRODUCTION START OR RESUME | <input type="checkbox"/> RECLAMATION OF WELL SITE       | <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION |
|   | <input type="checkbox"/> REPERFORATE CURRENT FORMATION         | <input type="checkbox"/> SIDETRACK TO REPAIR WELL       | <input type="checkbox"/> TEMPORARY ABANDON              |
|   | <input type="checkbox"/> TUBING REPAIR                         | <input type="checkbox"/> VENT OR FLARE                  | <input type="checkbox"/> WATER DISPOSAL                 |
|   | <input type="checkbox"/> WATER SHUTOFF                         | <input type="checkbox"/> SI TA STATUS EXTENSION         | <input type="checkbox"/> APD EXTENSION                  |
|   | <input type="checkbox"/> WILDCAT WELL DETERMINATION            | <input type="checkbox"/> OTHER                          | OTHER: <input style="width: 100px;" type="text"/>       |

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

THIS WELL COMMENCED PRODUCTION ON JUNE 8, 2012 @ 7:00 p.m.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
June 15, 2012**

|   |                                     |  |
|---|-------------------------------------|--|
| <b>NAME (PLEASE PRINT)</b><br>Valyn Davis | <b>PHONE NUMBER</b><br>435 781-4369 | <b>TITLE</b><br>Regulatory Affairs Analyst |
| <b>SIGNATURE</b><br>N/A                   | <b>DATE</b><br>6/11/2012            |  |

# CONFIDENTIAL

## RECEIVED

### JUL 13 2012

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

DIV. OF OIL, GAS & MINING

AMENDED REPORT  FORM 8  
(highlight changes)

5. LEASE DESIGNATION AND SERIAL NUMBER:  
**UTU0566**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

### WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  OTHER \_\_\_\_\_

7. UNIT or CA AGREEMENT NAME  
**Red Wash**

b. TYPE OF WORK: NEW WELL  HORIZ. LATS.  DEEP-EN  RE-ENTRY  DIFF. RESVR.  OTHER \_\_\_\_\_

8. WELL NAME and NUMBER:  
**RW 9C1-26B**

2. NAME OF OPERATOR:  
**QEP Energy Company**

9. API NUMBER:  
**4304752238**

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

10. FIELD AND POOL, OR WILDCAT  
**Red Wash**

4. LOCATION OF WELL (FOOTAGES)  
AT SURFACE: **2008 FSL 652 FEL**  
AT TOP PRODUCING INTERVAL REPORTED BELOW: **1789 FSL 984 FEL**  
AT TOTAL DEPTH: **1775 FSL 961 FEL** *BHL by HSM*

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:  
**NESE 26 7S 23E**

12. COUNTY  
**Uintah** 13. STATE  
**UTAH**

14. DATE SPURRED: **5/9/2012** 15. DATE T.D. REACHED: **5/25/2012** 16. DATE COMPLETED: **6/8/2012** ABANDONED  READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL):  
**5581 RKB**

18. TOTAL DEPTH: MD **10,580** TVD **10,549** 19. PLUG BACK T.D.: MD **10,570** TVD **10,539** 20. IF MULTIPLE COMPLETIONS, HOW MANY? \*

21. DEPTH BRIDGE MD PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each).

23. WAS WELL CORED? NO  YES  (Submit analysis)  
WAS DST RUN? NO  YES  (Submit report)  
DIRECTIONAL SURVEY? NO  YES  (Submit copy)

#### 24. CASING AND LINER RECORD (Report all strings set in well)

| HOLE SIZE | SIZE/GRADE | WEIGHT (#/R.) | TOP (MD) | BOTTOM (MD) | STAGE CEMENTER DEPTH | CEMENT TYPE & NO. OF SACKS | SLURRY VOLUME (BBL) | CEMENT TOP ** | AMOUNT PULLED |
|-----------|------------|---------------|----------|-------------|----------------------|----------------------------|---------------------|---------------|---------------|
| 12.25     | 9.625 N-80 | 40            | 0        | 3,533       |                      | 760                        | 348                 | 0             |               |
| 7.875     | 4.5 HCR    | 11.6          | 0        | 10,557      |                      | 1,400                      | 940                 | 0             |               |
|           |            |               |          |             |                      |                            |                     |               |               |
|           |            |               |          |             |                      |                            |                     |               |               |
|           |            |               |          |             |                      |                            |                     |               |               |

#### 25. TUBING RECORD

| SIZE  | DEPTH SET (MD) | PACKER SET (MD) | SIZE | DEPTH SET (MD) | PACKER SET (MD) | SIZE | DEPTH SET (MD) | PACKER SET (MD) |
|-------|----------------|-----------------|------|----------------|-----------------|------|----------------|-----------------|
| 2.375 | 10,160         |                 |      |                |                 |      |                |                 |

#### 26. PRODUCING INTERVALS

| FORMATION NAME | TOP (MD) | BOTTOM (MD) | TOP (TVD) | BOTTOM (TVD) | INTERVAL (Top/Bot - MD) | SIZE | NO. HOLES | PERFORATION STATUS                       |                                   |
|----------------|----------|-------------|-----------|--------------|-------------------------|------|-----------|--|-----------------------------------|
| (A) Mesa Verde | 9,639    | 10,220      |           |              | 9,639 10,220            | .35  | 126       | Open <input checked="" type="checkbox"/> | Squeezed <input type="checkbox"/> |
| (B)            |          |             |           |              |                         |      |           | Open <input type="checkbox"/>            | Squeezed <input type="checkbox"/> |
| (C)            |          |             |           |              |                         |      |           | Open <input type="checkbox"/>            | Squeezed <input type="checkbox"/> |
| (D)            |          |             |           |              |                         |      |           | Open <input type="checkbox"/>            | Squeezed <input type="checkbox"/> |

#### 28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

| DEPTH INTERVAL | AMOUNT AND TYPE OF MATERIAL                                   |
|----------------|---|
| 9639 to 10220  | 57 BBL 15% KCl, 11,204 BBL Slick Water, 252,000 LB 30/50 Sand |

#### 29. ENCLOSED ATTACHMENTS:

ELECTRICAL/MECHANICAL LOGS  GEOLOGIC REPORT  DST REPORT  DIRECTIONAL SURVEY  
 SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION  CORE ANALYSIS  OTHER: Ops Summary

#### 30. WELL STATUS:

**PGW**

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

|                                  |                    |                         |             |                     |               |                           |                  |                     |                     |                             |
|----------------------------------|--------------------|-------------------------|-------------|---------------------|---------------|---------------------------|------------------|---------------------|---------------------|-----------------------------|
| DATE FIRST PRODUCED:<br>6/8/2012 |                    | TEST DATE:<br>6/16/2012 |             | HOURS TESTED:<br>24 |               | TEST PRODUCTION RATES: →  | OIL - BBL:<br>29 | GAS - MCF:<br>1,328 | WATER - BBL:<br>286 | PROD. METHOD:<br>Flows From |
| CHOKE SIZE:<br>22/64             | TBG. PRESS.<br>807 | CSG. PRESS.<br>1,500    | API GRAVITY | BTU - GAS           | GAS/OIL RATIO | 24 HR PRODUCTION RATES: → | OIL - BBL:<br>29 | GAS - MCF:<br>1,328 | WATER - BBL:<br>286 | INTERVAL STATUS:<br>PGW     |

INTERVAL B (As shown in item #26)

|                      |             |             |             |               |               |                           |            |            |              |                  |
|----------------------|-------------|-------------|-------------|---------------|---------------|---------------------------|------------|------------|--------------|------------------|
| DATE FIRST PRODUCED: |             | TEST DATE:  |             | HOURS TESTED: |               | TEST PRODUCTION RATES: →  | OIL - BBL: | GAS - MCF: | WATER - BBL: | PROD. METHOD:    |
| CHOKE SIZE:          | TBG. PRESS. | CSG. PRESS. | API GRAVITY | BTU - GAS     | GAS/OIL RATIO | 24 HR PRODUCTION RATES: → | OIL - BBL: | GAS - MCF: | WATER - BBL: | INTERVAL STATUS: |

INTERVAL C (As shown in item #26)

|                      |             |             |             |               |               |                           |            |            |              |                  |
|----------------------|-------------|-------------|-------------|---------------|---------------|---------------------------|------------|------------|--------------|------------------|
| DATE FIRST PRODUCED: |             | TEST DATE:  |             | HOURS TESTED: |               | TEST PRODUCTION RATES: →  | OIL - BBL: | GAS - MCF: | WATER - BBL: | PROD. METHOD:    |
| CHOKE SIZE:          | TBG. PRESS. | CSG. PRESS. | API GRAVITY | BTU - GAS     | GAS/OIL RATIO | 24 HR PRODUCTION RATES: → | OIL - BBL: | GAS - MCF: | WATER - BBL: | INTERVAL STATUS: |

INTERVAL D (As shown in item #26)

|                      |             |             |             |               |               |                           |            |            |              |                  |
|----------------------|-------------|-------------|-------------|---------------|---------------|---------------------------|------------|------------|--------------|------------------|
| DATE FIRST PRODUCED: |             | TEST DATE:  |             | HOURS TESTED: |               | TEST PRODUCTION RATES: →  | OIL - BBL: | GAS - MCF: | WATER - BBL: | PROD. METHOD:    |
| CHOKE SIZE:          | TBG. PRESS. | CSG. PRESS. | API GRAVITY | BTU - GAS     | GAS/OIL RATIO | 24 HR PRODUCTION RATES: → | OIL - BBL: | GAS - MCF: | WATER - BBL: | INTERVAL STATUS: |

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

Sold

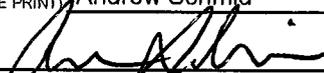
33. SUMMARY OF POROUS ZONES (Include Aquifers):

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.

| Formation | Top (MD) | Bottom (MD) | Descriptions, Contents, etc. | Name        | Top (Measured Depth) |
|-----------|----------|-------------|------------------------------|-------------|----------------------|
|           |          |             |                              | Green River | 2,700                |
|           |          |             |                              | Mohogany    | 3,455                |
|           |          |             |                              | Wasatch     | 5,973                |
|           |          |             |                              | Mesa Verde  | 8,103                |
|           |          |             |                              | Sego        | 10,455               |

35. ADDITIONAL REMARKS (Include plugging procedure)

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

NAME (PLEASE PRINT) Andrew Schmid TITLE Engineering Technician  
 SIGNATURE  DATE 7/10/2012

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

\*\* ITEM 24: Cement Top - Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

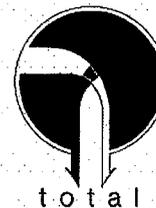
Send to: Utah Division of Oil, Gas and Mining Phone: 801-538-5340  
 1594 West North Temple, Suite 1210  
 Box 145801 Fax: 801-359-3940  
 Salt Lake City, Utah 84114-5801

# **QEP ENERGY**

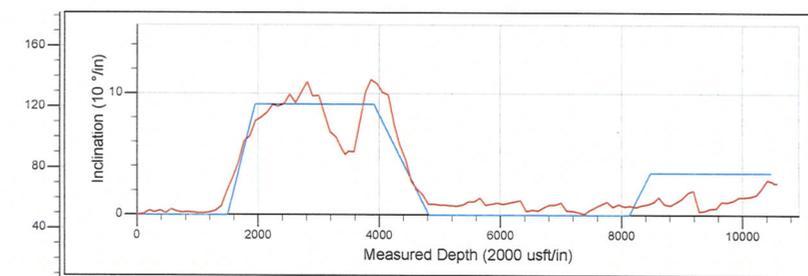
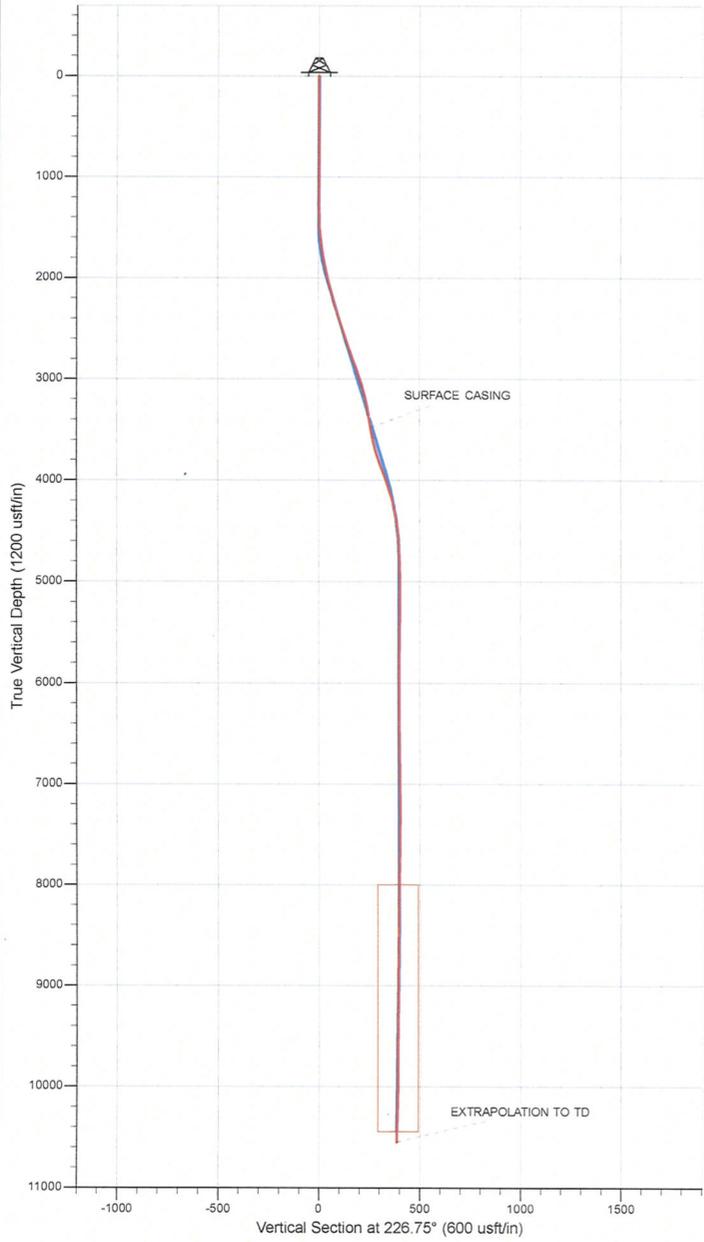
**RED WASH (UTAH)  
RW 43-26B (9C1-26B)  
RW 9C1-26B  
ORIGINAL WELLBORE**

**24 May, 2012**

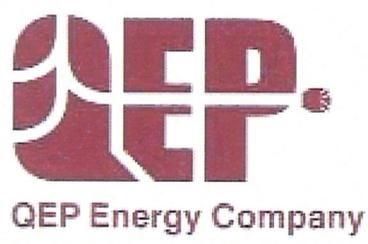
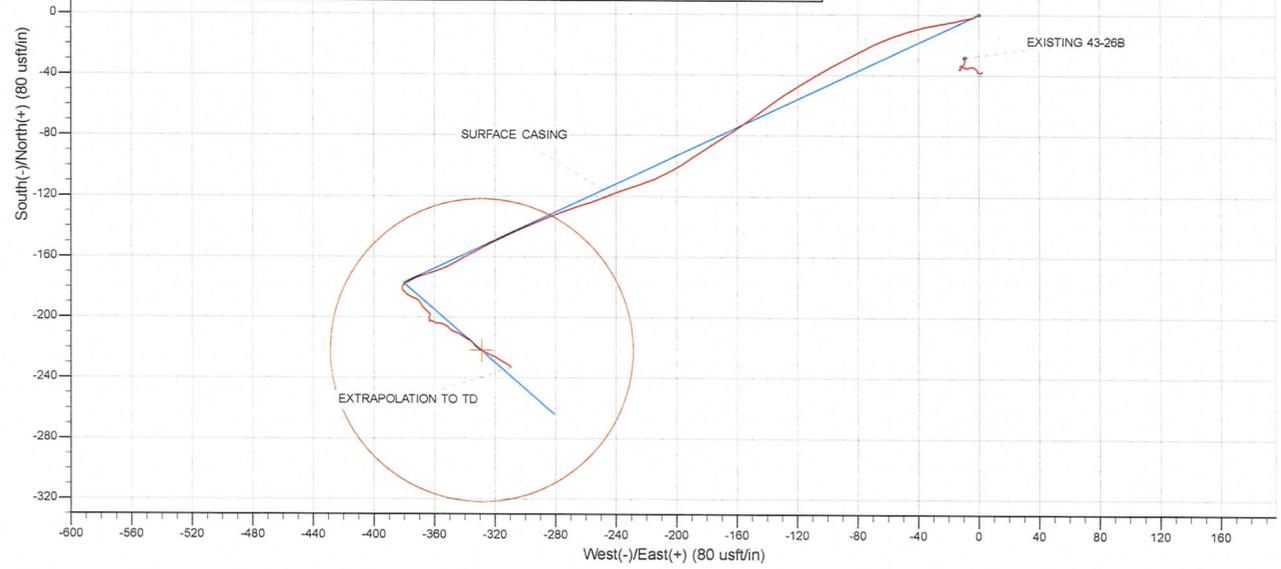
**Survey: FINAL SURVEYS**



**Project: RED WASH (UTAH)**  
**Site: RW 43-26B (9C1-26B)**  
**Well: RW 9C1-26B**  
**Wellbore: ORIGINAL WELLBORE**  
**Design: FINAL SURVEYS**



Azimuths to True North  
 Magnetic North: 10.90°  
 Magnetic Field  
 Strength: 52363.4snT  
 Dip Angle: 66.03°  
 Date: 29/04/2012  
 Model: IGRF2010



| ANNOTATIONS |         |      |        |        |        |       | Annotation          |
|-------------|---------|------|--------|--------|--------|-------|---------------------|
| TVD         | MD      | Inc  | Azi    | +N/-S  | +E/-W  | Vsect |                     |
| 3477.6      | 3497.0  | 5.23 | 247.15 | -119.1 | -243.2 | 258.7 | SURFACE CASING      |
| 10548.6     | 10580.0 | 2.65 | 127.00 | -233.1 | -309.2 | 384.9 | EXTRAPOLATION TO TD |

Survey Report



|                                    |  |
|------------------------------------|--|
| <b>Company:</b> QEP ENERGY         | <b>Local Co-ordinate Reference:</b> Well RW 9C1-26B          |
| <b>Project:</b> RED WASH (UTAH)    | <b>TVD Reference:</b> WELL @ 5580.8usft (Original Well Elev) |
| <b>Site:</b> RW 43-26B (9C1-26B)   | <b>MD Reference:</b> WELL @ 5580.8usft (Original Well Elev)  |
| <b>Well:</b> RW 9C1-26B            | <b>North Reference:</b> True                                 |
| <b>Wellbore:</b> ORIGINAL WELLBORE | <b>Survey Calculation Method:</b> Minimum Curvature          |
| <b>Design:</b> FINAL SURVEYS       | <b>Database:</b> EDM_5000_1_7                                |

|                    |                           |                      |                             |
|--------------------|---------------------------|----------------------|-----------------------------|
| <b>Project</b>     | RED WASH (UTAH)           |                      |                             |
| <b>Map System:</b> | US State Plane 1983       | <b>System Datum:</b> | Mean Sea Level              |
| <b>Geo Datum:</b>  | North American Datum 1983 |                      |                             |
| <b>Map Zone:</b>   | Utah Central Zone         |                      | Using geodetic scale factor |

**Site** RW 43-26B (9C1-26B)

**Site Position:** Northing: 7,241,506.72 usft Latitude: 40° 10' 43.741 N  
 From: Lat/Long Easting: 2,258,622.81 usft Longitude: 109° 17' 13.970 W  
**Position Uncertainty:** 0.0 usft Slot Radius: 13-3/16" Grid Convergence: 1.42 °

**Well** RW 9C1-26B

**Well Position** +N/-S 0.0 usft Northing: 7,241,506.71 usft Latitude: 40° 10' 43.741 N  
 +E/-W 0.0 usft Easting: 2,258,622.81 usft Longitude: 109° 17' 13.970 W  
**Position Uncertainty** 0.0 usft Wellhead Elevation: usft Ground Level: 5,564.8 usft

**Wellbore** ORIGINAL WELLBORE

| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
|-----------|------------|-------------|-----------------|---------------|---------------------|
|           | IGRF2010   | 29/04/2012  | 10.90           | 66.03         | 52,363              |

**Design** FINAL SURVEYS

**Audit Notes:**

**Version:** 1.0 **Phase:** ACTUAL **Tie On Depth:** 0.0

**Vertical Section:** Depth From (TVD) (usft) +N/-S (usft) +E/-W (usft) Direction (°)  
 0.0 0.0 0.0 226.75

**Survey Program** Date 24/05/2012

| From (usft) | To (usft) | Survey (Wellbore)                | Tool Name | Description    |
|-------------|-----------|----------------------------------|-----------|----------------|
| 110.0       | 10,580.0  | FINAL SURVEYS (ORIGINAL WELLBORI | MWD       | MWD - Standard |

**Survey**

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | Subsea Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------|-----------------|-------------|-----------------------|---------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 0.0                   | 0.00            | 0.00        | 0.0                   | 5,580.8             | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 110.0                 | 0.04            | 280.90      | 110.0                 | 5,470.8             | 0.0          | 0.0          | 0.0                     | 0.04                    | 0.04                   | 0.00                  |
| 205.0                 | 0.35            | 293.20      | 205.0                 | 5,375.8             | 0.1          | -0.3         | 0.2                     | 0.33                    | 0.33                   | 12.95                 |
| 295.0                 | 0.18            | 315.44      | 295.0                 | 5,285.8             | 0.3          | -0.7         | 0.3                     | 0.22                    | -0.19                  | 24.71                 |
| 385.0                 | 0.35            | 230.71      | 385.0                 | 5,195.8             | 0.3          | -1.0         | 0.5                     | 0.42                    | 0.19                   | -94.14                |
| 476.0                 | 0.13            | 158.48      | 476.0                 | 5,104.8             | 0.0          | -1.2         | 0.9                     | 0.37                    | -0.24                  | -79.37                |
| 566.0                 | 0.44            | 220.17      | 566.0                 | 5,014.8             | -0.4         | -1.4         | 1.2                     | 0.44                    | 0.34                   | 68.54                 |
| 655.0                 | 0.26            | 252.16      | 655.0                 | 4,925.8             | -0.7         | -1.8         | 1.8                     | 0.29                    | -0.20                  | 35.94                 |
| 746.0                 | 0.18            | 243.72      | 746.0                 | 4,834.8             | -0.8         | -2.1         | 2.1                     | 0.09                    | -0.09                  | -9.27                 |
| 838.0                 | 0.21            | 227.38      | 838.0                 | 4,742.8             | -1.0         | -2.4         | 2.4                     | 0.07                    | 0.03                   | -17.76                |
| 927.0                 | 0.17            | 311.75      | 927.0                 | 4,653.8             | -1.0         | -2.6         | 2.6                     | 0.29                    | -0.04                  | 94.80                 |
| 1,016.0               | 0.13            | 280.90      | 1,016.0               | 4,564.8             | -0.9         | -2.8         | 2.6                     | 0.10                    | -0.04                  | -34.66                |
| 1,110.0               | 0.14            | 193.10      | 1,110.0               | 4,470.8             | -1.0         | -2.9         | 2.8                     | 0.20                    | 0.01                   | -93.40                |

Survey Report



**Company:** QEP ENERGY  
**Project:** RED WASH (UTAH)  
**Site:** RW 43-26B (9C1-26B)  
**Well:** RW 9C1-26B  
**Wellbore:** ORIGINAL WELLBORE  
**Design:** FINAL SURVEYS

**Local Co-ordinate Reference:** Well RW 9C1-26B  
**TVD Reference:** WELL @ 5580.8usft (Original Well Elev)  
**MD Reference:** WELL @ 5580.8usft (Original Well Elev)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM\_5000\_1\_7

**Survey**

| Measured Depth (usft) | Inclination (°) | Azimuth (°)   | Vertical Depth (usft) | Subsea Depth (usft) | +N/-S (usft)  | +E/-W (usft)  | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------|-----------------|---------------|-----------------------|---------------------|---------------|---------------|-------------------------|-------------------------|------------------------|-----------------------|
| 1,205.0               | 0.17            | 280.90        | 1,205.0               | 4,375.8             | -1.1          | -3.1          | 3.0                     | 0.23                    | 0.03                   | 92.42                 |
| 1,300.0               | 0.31            | 115.87        | 1,300.0               | 4,280.8             | -1.2          | -3.0          | 3.0                     | 0.50                    | 0.15                   | -173.72               |
| 1,394.0               | 0.70            | 242.05        | 1,394.0               | 4,186.8             | -1.6          | -3.3          | 3.4                     | 0.98                    | 0.41                   | 134.23                |
| 1,489.0               | 1.98            | 260.60        | 1,489.0               | 4,091.8             | -2.1          | -5.4          | 5.4                     | 1.41                    | 1.35                   | 19.53                 |
| 1,584.0               | 3.07            | 255.68        | 1,583.9               | 3,996.9             | -3.0          | -9.5          | 8.9                     | 1.17                    | 1.15                   | -5.18                 |
| 1,678.0               | 4.35            | 257.70        | 1,677.7               | 3,903.1             | -4.4          | -15.4         | 14.2                    | 1.37                    | 1.36                   | 2.15                  |
| 1,773.0               | 6.02            | 261.39        | 1,772.3               | 3,808.5             | -5.9          | -23.8         | 21.4                    | 1.79                    | 1.76                   | 3.88                  |
| 1,867.0               | 6.45            | 256.99        | 1,865.7               | 3,715.1             | -7.8          | -33.9         | 30.0                    | 0.68                    | 0.46                   | -4.68                 |
| 1,962.0               | 7.73            | 253.21        | 1,960.0               | 3,620.8             | -10.9         | -45.2         | 40.3                    | 1.43                    | 1.35                   | -3.98                 |
| 2,056.0               | 8.04            | 249.96        | 2,053.1               | 3,527.7             | -14.9         | -57.4         | 52.0                    | 0.58                    | 0.33                   | -3.46                 |
| 2,150.0               | 8.44            | 244.78        | 2,146.1               | 3,434.7             | -20.1         | -69.8         | 64.6                    | 0.90                    | 0.43                   | -5.51                 |
| 2,245.0               | 9.05            | 241.61        | 2,240.0               | 3,340.8             | -26.7         | -82.7         | 78.5                    | 0.82                    | 0.64                   | -3.34                 |
| 2,339.0               | 8.92            | 242.14        | 2,332.9               | 3,247.9             | -33.6         | -95.6         | 92.7                    | 0.16                    | -0.14                  | 0.56                  |
| 2,435.0               | 9.10            | 239.33        | 2,427.7               | 3,153.1             | -40.9         | -108.8        | 107.3                   | 0.50                    | 0.19                   | -2.93                 |
| 2,530.0               | 9.93            | 238.71        | 2,521.4               | 3,059.4             | -49.0         | -122.2        | 122.6                   | 0.88                    | 0.87                   | -0.65                 |
| 2,624.0               | 9.22            | 233.70        | 2,614.1               | 2,966.7             | -57.7         | -135.2        | 138.0                   | 1.16                    | -0.76                  | -5.33                 |
| 2,719.0               | 10.10           | 233.44        | 2,707.7               | 2,873.1             | -67.1         | -148.0        | 153.8                   | 0.93                    | 0.93                   | -0.27                 |
| 2,814.0               | 10.94           | 236.78        | 2,801.1               | 2,779.7             | -77.0         | -162.3        | 171.0                   | 1.09                    | 0.88                   | 3.52                  |
| 2,908.0               | 9.76            | 237.39        | 2,893.6               | 2,687.2             | -86.2         | -176.4        | 187.6                   | 1.26                    | -1.26                  | 0.65                  |
| 3,004.0               | 9.84            | 235.72        | 2,988.2               | 2,592.6             | -95.2         | -190.1        | 203.7                   | 0.31                    | 0.08                   | -1.74                 |
| 3,099.0               | 8.35            | 241.61        | 3,082.0               | 2,498.8             | -103.1        | -202.8        | 218.4                   | 1.85                    | -1.57                  | 6.20                  |
| 3,194.0               | 6.81            | 246.10        | 3,176.2               | 2,404.6             | -108.6        | -214.1        | 230.4                   | 1.74                    | -1.62                  | 4.73                  |
| 3,290.0               | 6.42            | 251.37        | 3,271.5               | 2,309.3             | -112.7        | -224.4        | 240.6                   | 0.75                    | -0.41                  | 5.49                  |
| 3,385.0               | 5.45            | 251.28        | 3,366.0               | 2,214.8             | -115.8        | -233.7        | 249.5                   | 1.02                    | -1.02                  | -0.09                 |
| 3,448.0               | 4.97            | 252.86        | 3,428.8               | 2,152.0             | -117.6        | -239.1        | 254.7                   | 0.80                    | -0.76                  | 2.51                  |
| <b>SURFACE CASING</b> |                 |               |                       |                     |               |               |                         |                         |                        |                       |
| <b>3,497.0</b>        | <b>5.23</b>     | <b>247.15</b> | <b>3,477.6</b>        | <b>2,103.2</b>      | <b>-119.1</b> | <b>-243.2</b> | <b>258.7</b>            | <b>1.16</b>             | <b>0.53</b>            | <b>-11.65</b>         |
| 3,587.0               | 5.19            | 248.03        | 3,567.2               | 2,013.6             | -122.2        | -250.7        | 266.4                   | 0.10                    | -0.04                  | 0.98                  |
| 3,682.0               | 7.58            | 252.60        | 3,661.6               | 1,919.2             | -125.7        | -260.7        | 276.0                   | 2.57                    | 2.52                   | 4.81                  |
| 3,777.0               | 10.11           | 249.96        | 3,755.5               | 1,825.3             | -130.4        | -274.5        | 289.3                   | 2.70                    | 2.66                   | -2.78                 |
| 3,871.0               | 11.16           | 247.33        | 3,847.9               | 1,732.9             | -136.7        | -290.7        | 305.4                   | 1.23                    | 1.12                   | -2.80                 |
| 3,966.0               | 10.81           | 245.57        | 3,941.1               | 1,639.7             | -144.0        | -307.3        | 322.4                   | 0.51                    | -0.37                  | -1.85                 |
| 4,060.0               | 10.11           | 244.34        | 4,033.5               | 1,547.3             | -151.2        | -322.7        | 338.7                   | 0.78                    | -0.74                  | -1.31                 |
| 4,155.0               | 9.89            | 239.42        | 4,127.1               | 1,453.7             | -158.9        | -337.3        | 354.6                   | 0.93                    | -0.23                  | -5.18                 |
| 4,250.0               | 7.47            | 243.37        | 4,221.0               | 1,359.8             | -165.9        | -349.8        | 368.4                   | 2.62                    | -2.55                  | 4.16                  |
| 4,344.0               | 5.71            | 252.60        | 4,314.4               | 1,266.4             | -170.0        | -359.7        | 378.5                   | 2.18                    | -1.87                  | 9.82                  |
| 4,439.0               | 4.61            | 250.75        | 4,409.0               | 1,171.8             | -172.7        | -367.9        | 386.2                   | 1.17                    | -1.16                  | -1.95                 |
| 4,533.0               | 2.81            | 245.92        | 4,502.8               | 1,078.0             | -174.9        | -373.5        | 391.9                   | 1.94                    | -1.91                  | -5.14                 |
| 4,627.0               | 2.15            | 239.33        | 4,596.7               | 984.1               | -176.7        | -377.1        | 395.8                   | 0.76                    | -0.70                  | -7.01                 |
| 4,722.0               | 1.67            | 230.54        | 4,691.7               | 889.1               | -178.5        | -379.7        | 398.9                   | 0.59                    | -0.51                  | -9.25                 |
| 4,818.0               | 0.88            | 198.72        | 4,787.6               | 793.2               | -180.1        | -381.1        | 400.9                   | 1.08                    | -0.82                  | -33.15                |
| 4,831.0               | 0.86            | 194.60        | 4,800.6               | 780.2               | -180.3        | -381.1        | 401.1                   | 0.51                    | -0.15                  | -31.69                |
| 4,911.0               | 0.87            | 168.05        | 4,880.6               | 700.2               | -181.4        | -381.1        | 401.9                   | 0.50                    | 0.01                   | -33.19                |
| 5,006.0               | 0.79            | 138.08        | 4,975.6               | 605.2               | -182.6        | -380.6        | 402.3                   | 0.46                    | -0.08                  | -31.55                |
| 5,101.0               | 0.79            | 135.27        | 5,070.6               | 510.2               | -183.6        | -379.7        | 402.3                   | 0.04                    | 0.00                   | -2.96                 |
| 5,196.0               | 0.75            | 128.85        | 5,165.6               | 415.2               | -184.4        | -378.7        | 402.2                   | 0.10                    | -0.04                  | -6.76                 |
| 5,291.0               | 0.71            | 129.73        | 5,260.6               | 320.2               | -185.2        | -377.8        | 402.1                   | 0.04                    | -0.04                  | 0.93                  |
| 5,385.0               | 0.83            | 125.16        | 5,354.6               | 226.2               | -186.0        | -376.8        | 401.9                   | 0.14                    | 0.13                   | -4.86                 |
| 5,480.0               | 1.10            | 119.80        | 5,449.6               | 131.2               | -186.8        | -375.4        | 401.4                   | 0.30                    | 0.28                   | -5.64                 |
| 5,575.0               | 1.10            | 114.96        | 5,544.6               | 36.2                | -187.7        | -373.8        | 400.8                   | 0.10                    | 0.00                   | -5.09                 |
| 5,671.0               | 1.41            | 107.48        | 5,640.5               | -59.7               | -188.4        | -371.8        | 399.9                   | 0.36                    | 0.32                   | -7.79                 |
| 5,766.0               | 0.79            | 141.51        | 5,735.5               | -154.7              | -189.3        | -370.3        | 399.4                   | 0.92                    | -0.65                  | 35.82                 |
| 5,862.0               | 0.88            | 142.03        | 5,831.5               | -250.7              | -190.4        | -369.5        | 399.5                   | 0.09                    | 0.09                   | 0.54                  |

# Survey Report



**Company:** QEP ENERGY  
**Project:** RED WASH (UTAH)  
**Site:** RW 43-26B (9C1-26B)  
**Well:** RW 9C1-26B  
**Wellbore:** ORIGINAL WELLBORE  
**Design:** FINAL SURVEYS

**Local Co-ordinate Reference:** Well RW 9C1-26B  
**TVD Reference:** WELL @ 5580.8usft (Original Well Elev)  
**MD Reference:** WELL @ 5580.8usft (Original Well Elev)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM\_5000\_1\_7

## Survey

| Measured Depth (usft)      | Inclination (°) | Azimuth (°)   | Vertical Depth (usft) | Subsea Depth (usft) | +N-S (usft)   | +E-W (usft)   | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|----------------------------|-----------------|---------------|-----------------------|---------------------|---------------|---------------|-------------------------|-------------------------|------------------------|-----------------------|
| 5,957.0                    | 0.97            | 152.76        | 5,926.5               | -345.7              | -191.7        | -368.6        | 399.8                   | 0.21                    | 0.09                   | 11.29                 |
| 6,052.0                    | 0.88            | 141.68        | 6,021.5               | -440.7              | -192.9        | -367.8        | 400.1                   | 0.21                    | -0.09                  | -11.66                |
| 6,147.0                    | 0.97            | 137.37        | 6,116.5               | -535.7              | -194.1        | -366.8        | 400.2                   | 0.12                    | 0.09                   | -4.54                 |
| 6,242.0                    | 1.10            | 136.32        | 6,211.5               | -630.7              | -195.4        | -365.6        | 400.2                   | 0.14                    | 0.14                   | -1.11                 |
| 6,338.0                    | 1.19            | 135.00        | 6,307.4               | -726.6              | -196.7        | -364.3        | 400.1                   | 0.10                    | 0.09                   | -1.37                 |
| 6,433.0                    | 0.30            | 106.17        | 6,402.4               | -821.6              | -197.5        | -363.4        | 400.0                   | 0.99                    | -0.94                  | -30.35                |
| 6,529.0                    | 0.39            | 138.25        | 6,498.4               | -917.6              | -197.8        | -362.9        | 399.9                   | 0.22                    | 0.09                   | 33.42                 |
| 6,624.0                    | 0.35            | 186.70        | 6,593.4               | -1,012.6            | -198.3        | -362.7        | 400.1                   | 0.32                    | -0.04                  | 51.00                 |
| 6,720.0                    | 0.61            | 205.93        | 6,689.4               | -1,108.6            | -199.1        | -363.0        | 400.8                   | 0.31                    | 0.27                   | 20.03                 |
| 6,815.0                    | 0.83            | 196.61        | 6,784.4               | -1,203.6            | -200.2        | -363.4        | 401.9                   | 0.26                    | 0.23                   | -9.81                 |
| 6,910.0                    | 0.83            | 158.98        | 6,879.4               | -1,298.6            | -201.5        | -363.4        | 402.7                   | 0.56                    | 0.00                   | -39.61                |
| 7,006.0                    | 1.01            | 183.34        | 6,975.4               | -1,394.6            | -203.0        | -363.2        | 403.6                   | 0.44                    | 0.19                   | 25.37                 |
| 7,101.0                    | 0.35            | 2.29          | 7,070.4               | -1,489.6            | -203.5        | -363.2        | 404.0                   | 1.43                    | -0.69                  | 188.37                |
| 7,197.0                    | 0.31            | 348.22        | 7,166.4               | -1,585.6            | -203.0        | -363.2        | 403.7                   | 0.09                    | -0.04                  | -14.66                |
| 7,292.0                    | 0.22            | 344.01        | 7,261.4               | -1,680.6            | -202.6        | -363.3        | 403.4                   | 0.10                    | -0.09                  | -4.43                 |
| 7,388.0                    | 0.09            | 10.11         | 7,357.4               | -1,776.6            | -202.3        | -363.4        | 403.3                   | 0.15                    | -0.14                  | 27.19                 |
| 7,483.0                    | 0.40            | 107.40        | 7,452.4               | -1,871.6            | -202.3        | -363.0        | 403.1                   | 0.44                    | 0.33                   | 102.41                |
| 7,578.0                    | 0.62            | 110.39        | 7,547.4               | -1,966.6            | -202.6        | -362.2        | 402.7                   | 0.23                    | 0.23                   | 3.15                  |
| 7,674.0                    | 0.87            | 114.96        | 7,643.4               | -2,062.6            | -203.1        | -361.1        | 402.2                   | 0.27                    | 0.26                   | 4.76                  |
| 7,769.0                    | 1.09            | 121.81        | 7,738.4               | -2,157.6            | -203.9        | -359.7        | 401.7                   | 0.26                    | 0.23                   | 7.21                  |
| 7,864.0                    | 0.66            | 91.76         | 7,833.3               | -2,252.5            | -204.4        | -358.4        | 401.1                   | 0.65                    | -0.45                  | -31.63                |
| 7,959.0                    | 0.87            | 93.60         | 7,928.3               | -2,347.5            | -204.4        | -357.1        | 400.2                   | 0.22                    | 0.22                   | 1.94                  |
| 8,055.0                    | 0.70            | 100.90        | 8,024.3               | -2,443.5            | -204.6        | -355.8        | 399.3                   | 0.21                    | -0.18                  | 7.60                  |
| 8,150.0                    | 0.74            | 94.40         | 8,119.3               | -2,538.5            | -204.8        | -354.6        | 398.6                   | 0.10                    | 0.04                   | -6.84                 |
| 8,245.0                    | 0.62            | 119.36        | 8,214.3               | -2,633.5            | -205.1        | -353.5        | 398.0                   | 0.33                    | -0.13                  | 26.27                 |
| 8,340.0                    | 0.79            | 122.08        | 8,309.3               | -2,728.5            | -205.7        | -352.5        | 397.7                   | 0.18                    | 0.18                   | 2.86                  |
| 8,434.0                    | 0.88            | 127.36        | 8,403.3               | -2,822.5            | -206.4        | -351.4        | 397.4                   | 0.13                    | 0.10                   | 5.62                  |
| 8,531.0                    | 1.05            | 131.40        | 8,500.3               | -2,919.5            | -207.5        | -350.2        | 397.2                   | 0.19                    | 0.18                   | 4.16                  |
| 8,623.0                    | 1.49            | 131.57        | 8,592.3               | -3,011.5            | -208.8        | -348.6        | 397.0                   | 0.48                    | 0.48                   | 0.18                  |
| 8,718.0                    | 0.88            | 98.61         | 8,687.2               | -3,106.4            | -209.8        | -347.0        | 396.5                   | 0.94                    | -0.64                  | -34.69                |
| 8,812.0                    | 0.79            | 109.60        | 8,781.2               | -3,200.4            | -210.1        | -345.7        | 395.7                   | 0.19                    | -0.10                  | 11.69                 |
| 8,907.0                    | 1.05            | 116.28        | 8,876.2               | -3,295.4            | -210.7        | -344.3        | 395.1                   | 0.30                    | 0.27                   | 7.03                  |
| 9,001.0                    | 1.36            | 123.58        | 8,970.2               | -3,389.4            | -211.7        | -342.6        | 394.6                   | 0.37                    | 0.33                   | 7.77                  |
| 9,095.0                    | 1.84            | 123.58        | 9,064.2               | -3,483.4            | -213.1        | -340.4        | 394.0                   | 0.51                    | 0.51                   | 0.00                  |
| 9,190.0                    | 2.02            | 120.76        | 9,159.1               | -3,578.3            | -214.8        | -337.7        | 393.2                   | 0.21                    | 0.19                   | -2.97                 |
| 9,285.0                    | 0.30            | 122.34        | 9,254.1               | -3,673.3            | -215.8        | -336.0        | 392.6                   | 1.81                    | -1.81                  | 1.66                  |
| 9,379.0                    | 0.35            | 124.10        | 9,348.1               | -3,767.3            | -216.1        | -335.6        | 392.5                   | 0.05                    | 0.05                   | 1.87                  |
| 9,474.0                    | 0.52            | 143.26        | 9,443.1               | -3,862.3            | -216.6        | -335.1        | 392.5                   | 0.23                    | 0.18                   | 20.17                 |
| 9,569.0                    | 0.57            | 144.49        | 9,538.1               | -3,957.3            | -217.4        | -334.5        | 392.6                   | 0.05                    | 0.05                   | 1.29                  |
| 9,659.0                    | 1.10            | 130.88        | 9,628.1               | -4,047.3            | -218.3        | -333.6        | 392.6                   | 0.62                    | 0.59                   | -15.12                |
| 9,757.0                    | 1.05            | 132.10        | 9,726.0               | -4,145.2            | -219.5        | -332.3        | 392.4                   | 0.06                    | -0.05                  | 1.24                  |
| 9,852.0                    | 1.19            | 128.85        | 9,821.0               | -4,240.2            | -220.7        | -330.8        | 392.2                   | 0.16                    | 0.15                   | -3.42                 |
| 9,947.0                    | 1.49            | 121.82        | 9,916.0               | -4,335.2            | -222.0        | -329.0        | 391.7                   | 0.36                    | 0.32                   | -7.40                 |
| 10,041.0                   | 1.49            | 116.63        | 10,010.0              | -4,429.2            | -223.2        | -326.9        | 391.0                   | 0.14                    | 0.00                   | -5.52                 |
| 10,136.0                   | 1.54            | 114.25        | 10,104.9              | -4,524.1            | -224.3        | -324.6        | 390.1                   | 0.08                    | 0.05                   | -2.51                 |
| 10,231.0                   | 1.67            | 117.78        | 10,199.9              | -4,619.1            | -225.4        | -322.2        | 389.2                   | 0.17                    | 0.14                   | 3.72                  |
| 10,325.0                   | 2.20            | 118.21        | 10,293.8              | -4,713.0            | -226.9        | -319.4        | 388.1                   | 0.56                    | 0.56                   | 0.46                  |
| 10,420.0                   | 2.90            | 118.39        | 10,388.8              | -4,808.0            | -228.9        | -315.7        | 386.8                   | 0.74                    | 0.74                   | 0.19                  |
| 10,514.0                   | 2.77            | 122.08        | 10,482.6              | -4,901.8            | -231.3        | -311.7        | 385.5                   | 0.24                    | -0.14                  | 3.93                  |
| 10,533.0                   | 2.65            | 127.00        | 10,501.6              | -4,920.8            | -231.8        | -311.0        | 385.3                   | 1.38                    | -0.63                  | 25.89                 |
| <b>EXTRAPOLATION TO TD</b> |                 |               |                       |                     |               |               |                         |                         |                        |                       |
| <b>10,580.0</b>            | <b>2.65</b>     | <b>127.00</b> | <b>10,548.6</b>       | <b>-4,967.8</b>     | <b>-233.1</b> | <b>-309.2</b> | <b>384.9</b>            | <b>0.00</b>             | <b>0.00</b>            | <b>0.00</b>           |

# Survey Report



|                                    |  |  |
|------------------------------------|--|--|
| <b>Company:</b> QEP ENERGY         | <b>Local Co-ordinate Reference:</b> Well RW 9C1-26B          |  |
| <b>Project:</b> RED WASH (UTAH)    | <b>TVD Reference:</b> WELL @ 5580.8usft (Original Well Elev) |  |
| <b>Site:</b> RW 43-26B (9C1-26B)   | <b>MD Reference:</b> WELL @ 5580.8usft (Original Well Elev)  |  |
| <b>Well:</b> RW 9C1-26B            | <b>North Reference:</b> True                                 |  |
| <b>Wellbore:</b> ORIGINAL WELLBORE | <b>Survey Calculation Method:</b> Minimum Curvature          |  |
| <b>Design:</b> FINAL SURVEYS       | <b>Database:</b> EDM_5000_1_7                                |  |

### Targets

| Target Name   | Dip Angle | Dip Dir. | TVD     | +N/-S  | +E/-W  | Northing     | Easting      | Latitude         | Longitude         |
|---|-----------|----------|---------|--------|--------|--------------|--------------|------------------|-------------------|
| - hit/miss target   | (°)       | (°)      | (usft)  | (usft) | (usft) | (usft)       | (usft)       |                  |                   |
| - Shape   |           |          |         |        |        |              |              |                  |                   |
| RW 9C1-26B  | 0.00      | 0.00     | 8,000.0 | -222.1 | -328.7 | 7,241,276.60 | 2,258,299.75 | 40° 10' 41.547 N | 109° 17' 18.205 W |
| - survey misses target center by 32.5usft at 8031.1usft MD (8000.4 TVD, -204.6 N, -356.1 E) |           |          |         |        |        |              |              |                  |                   |
| - Circle (radius 100.0)   |           |          |         |        |        |              |              |                  |                   |

### Survey Annotations

| Measured | Vertical | Local Coordinates |        | Comment             |
|----------|----------|-------------------|--------|---------------------|
| Depth    | Depth    | +N/-S             | +E/-W  |                     |
| (usft)   | (usft)   | (usft)            | (usft) |                     |
| 3,497.0  | 3,477.6  | -119.1            | -243.2 | SURFACE CASING      |
| 10,580.0 | 10,548.6 | -233.1            | -309.2 | EXTRAPOLATION TO TD |

|                   |                    |             |
|-------------------|--------------------|-------------|
| Checked By: _____ | Approved By: _____ | Date: _____ |
|-------------------|--------------------|-------------|

## Operations Summary Report

Well Name: RW 9C1-26B  
 Location: 26- 7-S 23-E 27  
 Rig Name: FRONTIER

Spud Date: 5/8/2012  
 Rig Release: 5/29/2012  
 Rig Number: 2

| Date      | From - To     | Hours | Code | Sub Code | Description of Operations   |
|-----------|---------------|-------|------|----------|---|
| 5/4/2012  | 11:00 - 06:00 | 19.00 | LOC  | 4        | RIG DOWN TOP DRIVE READY RIG TO MOVE  |
| 5/5/2012  | 06:00 - 18:00 | 12.00 | LOC  | 3        | PJSM, RIG DOWN AND MOVE RIG. LAYED DERRICK OVER, UNSTACK SUBS, GET DWKS DOWN, SPLIT MUD TANKS, HAUL PUMPS, PUT DERRICK ON TRUCKS.<br>SET BOTTOM HALFS OF SUBS, SET CAMPS.<br>CRANE BROKE HYDROLIC HOSE.<br>WAIT ON DAY LIGHT                  |
| 5/6/2012  | 18:00 - 06:00 | 12.00 | OTH  |          | WAIT ON DAY LIGHT   |
|           | 06:00 - 12:00 | 6.00  | LOC  | 4        | RIG UP RIG WITH CRANES AND TRUCKS.  |
|           | 12:00 - 13:30 | 1.50  | WOT  | 4        | WAIT ON WIRE LINE TRUCK TO SET BRIDGE PLUG  |
|           | 13:30 - 16:00 | 2.50  | DEQ  | 1        | PJSM WITH WIRE LINE TRUCK, PICK UP COMPOSITE BRIDGE PLUG #2 , RUN IN HOLE AND TAGGED UP AT 1008 FT..LOCATE COLLARS. COLLARS ARE AT 948 FT. AND 986 FT.. SET BRIDGE PLUG #2 AT 970 FT. FILL HOLE WITH WATER FROM RESERVE PIT AND MONITOR WELL. |
| 5/7/2012  | 16:00 - 18:00 | 2.00  | LOC  | 4        | WELD ON DERRICK TO REPLACE BRACE AT CROWN FOR TOP DRIVE. RIG UP BACK YARD   |
|           | 18:00 - 06:00 | 12.00 | OTH  |          | WAIT ON DAY LIGHT.  |
|           | 06:00 - 06:00 | 24.00 | LOC  | 4        | PJSM, RIG UP RIG, RAISE DERRICK, MODIFY CAT WALK TO FIT OVER OLD WELL, PICK UP TOP DRIVE , TRACK AND SERVICE LOOP   |
| 5/8/2012  | 06:00 - 12:00 | 6.00  | LOC  | 4        | RIG UP TOP DRIVE AND SERVICE LOOP.  |
|           | 12:00 - 14:00 | 2.00  | LOC  | 4        | INSTALL FLOW NIPPLE AND RISER   |
|           | 14:00 - 17:30 | 3.50  | LOC  | 4        | RIG UP TOP DRIVE.   |
|           | 17:30 - 21:00 | 3.50  | FISH | 5        | TRY TO GET 1 1/2 INCH END WRENCH OUT OF HOLE WITH 11 1/2 MAGNET.  |
| 5/9/2012  | 21:00 - 06:00 | 9.00  | OTH  |          | PJSM MAKE AND BREAK NEW DRILL PIPE STAND BACK IN DERRICK 33 STANDS CHANGE OUT VALVE BANK ON SPINNERS LOAD PIPE RACKS AND STRAP  |
|           | 06:00 - 10:30 | 4.50  | TRP  | 1        | PICK UP 8 INCH BHA, DIRECTIONAL TOOLS, AND SCRIBE   |
|           | 10:30 - 11:30 | 1.00  | RIG  | 1        | RIG SERVICE AND SERVICE TOP DRIVE.  |
|           | 11:30 - 03:00 | 15.50 | DRL  | 2        | DRILL F/ 60 FT T 539 FT.( 479 FT),( 30.9 FPH),( 510 GPM),( 20K WOB),(96 RPM)  |
| 5/10/2012 | 03:00 - 03:30 | 0.50  | CIRC | 1        | CIRCULATE AND WORK PUMP POP OFF   |
|           | 03:30 - 06:00 | 2.50  | DRL  | 1        | DRILL F/ 539 FT TO 717 FT.( 71.2 FT, FPH). (510 GPM),( 20K WOB),(96 RPM)  |
|           | 06:00 - 11:30 | 5.50  | DRL  | 2        | DRILL FROM 717 TO 989. 272 FT. AT 49.4 FPH, 30-35 K ON BIT 40 RPM ON TOP DRIVE, 1.83 BEND MUD MOTOR, .11 GPR, PUMPS 2 X 110, 518 GPM.   |
|           | 11:30 - 12:00 | 0.50  | RIG  | 1        | SERVICE RIG AND TOP DRIVE.  |
|           | 12:00 - 14:30 | 2.50  | DRL  | 2        | DRILL FROM 989 TO 1078. 89 FT. AT 35.6 FPH, 30-35 K ON BIT, 40 RPM ON TOP DRIVE, 1.83 BEND MUD MOTOR, .11 GPR, PUMPS 2 X 110, 518 GPM.  |
|           | 14:30 - 16:00 | 1.50  | OTH  |          | TRY TO BREAK TOOL JT.   |
|           | 16:00 - 17:30 | 1.50  | DRL  | 2        | DRILL FROM 1078 TO 1172. 94 FT. AT 62.6 FPH, 30-35 K ON BIT, 40 RPM ON TOP DRIVE, 1.83 BEND MUD MOTOR, .11 GPR, PUMPS 2 X 110, 518 GPM.   |
|           | 17:30 - 18:00 | 0.50  | CIRC | 1        | CIRCULATE AND PUMP 2 SWEEPS   |
|           | 18:00 - 22:00 | 4.00  | TRP  | 10       | TRIP OUT FOR BIT BACK REAM FROM 1100 TO 900 ( 300')   |
|           | 22:00 - 00:30 | 2.50  | RIG  | 2        | RIG REPAIR CHANGE OUT SWIVEL PACKING  |
| 5/11/2012 | 00:30 - 02:00 | 1.50  | TRP  | 10       | MAKE UP BIT #3 AND TRIP IN HOLE   |
|           | 02:00 - 02:30 | 0.50  | REAM | 1        | SAFETY WASH AND REAM 90' TO BOTTOM  |
|           | 02:30 - 06:00 | 3.50  | DRL  | 1        | DRILL FROM 1172 TO 1456' 284 FT. AT 81.1 FPH,5-10 K ON BIT, 40 RPM ON TOP DRIVE,1.83 BEND MUD MOTOR, .11GPR, PUMPS 2X110, 518 GPM.  |
|           | 06:00 - 14:00 | 8.00  | DRL  | 2        | DRILL FROM 1456' TO 1643' 187 FT. AT 23.4 FPH, 5-10 K ON BIT,   |

## Operations Summary Report

Well Name: RW 9C1-26B  
 Location: 26-7-S 23-E 27  
 Rig Name: FRONTIER

Spud Date: 5/8/2012  
 Rig Release: 5/29/2012  
 Rig Number: 2

| Date      | From - To     | Hours | Code | Sub Code | Description of Operations   |
|-----------|---------------|-------|------|----------|---|
| 5/11/2012 | 06:00 - 14:00 | 8.00  | DRL  | 2        | 40 RPM ON TOP DRIVE, 1.83 BEND MUD MOTOR, .11GPR, = 100 RPM PUMPS 2X110, 518 GPM. KICK OFF @ 1470'  |
|           | 14:00 - 15:00 | 1.00  | RIG  | 1        | SERVICE RIG AND TOP DRIVE   |
|           | 15:00 - 16:00 | 1.00  | RIG  | 2        | CHANGE OUT SAVER SUB.   |
|           | 16:00 - 18:00 | 2.00  | DRL  | 2        | DIR. DRILL FROM 1643 TO 1740'. 97 FT. @ 48.5 FPH. 10-15 K ON BIT, 40 RPM ON TOP DRIVE, 1.83 BEND MUD MOTOR, .11GPR, = 100 RPM PUMPS 2X110, 518 GPM. KICK OFF @ 1470'  |
|           | 18:00 - 21:30 | 3.50  | DRL  | 2        | SLIDING WITH 518 GPM, 5 - 10 K ON BIT, 75 - 130 DIFF. SLIDE 135 FT. 7.5 HRS. = 18 FPH W / 1.83 BENT MOTOR, DIR. DRILL FROM 1740' TO 1929= 189 FT. @ 54FPH 10-15K ON BIT 40 RPM ON TOP DRIVE, 1.83 BEND MUD MOTOR, .11GPM, = 100 RPM PUMPS 2X110, 518 GPM KICK OFF @1470               |
|           | 21:30 - 22:30 | 1.00  | RIG  | 2        | RIG REPAIR (CHANGE OUT GRABBER DIES )   |
|           | 22:30 - 00:00 | 1.50  | DRL  | 2        | DIR. DRILL FROM 1929' TO 2024= 189 FT. @ 95 FPH 10-15 KON BIT 40 RPM ON TOP DRIVE, 1.83 BEND MUD MOTOR, .11GPM, = 100 RPM PUMPS 2X110, 518 GPM KICK OFF @1170   |
|           | 00:00 - 00:30 | 0.50  | RIG  | 2        | RIG REPAIR CHANGE OUT HYDRAULIC HOSE OUT ON TOP DRIVE   |
|           | 00:30 - 06:00 | 5.50  | DRL  | 2        | DIR. DRILL FROM 2024' TO 2012= 188 FT. @ 34 FPH 10-15 KON BIT 40 RPM ON TOP DRIVE, 1.83 BEND MUD MOTOR, .11GPM, = 100 RPM PUMPS 2X110, 518 GPM KICK OFF @1170   |
|           | 00:30 - 06:00 | 5.50  | DRL  | 2        | SLIDING WITH 518 GPM, 5-10 ON BIT, 75-130 DIFF. SLIDE 265 FT. 6 HRS. =44.1 FPH W / 1.83 BENT MOTOR  |
| 5/12/2012 | 06:00 - 13:00 | 7.00  | DRL  | 2        | DIR. DRILL FROM 2212' TO 2589' = 377 FT. @ 53.8 FPH 10-15 K ON BIT 40 RPM ON TOP DRIVE, 1.83 BEND MUD MOTOR, .11GPM, = 100 RPM PUMPS 2X110, 530 GPM KICK OFF @1170  |
|           | 13:00 - 14:00 | 1.00  | RIG  | 1        | RIG SERVICE.  |
|           | 14:00 - 18:00 | 4.00  | DRL  | 2        | DIR. DRILL FROM 2589' TO 2811' = 222 FT. @ 55.8 FPH 10-15 K ON BIT 40 RPM ON TOP DRIVE, 1.83 BEND MUD MOTOR, .11GPM, = 100 RPM PUMPS 2X110, 530 GPM KICK OFF @1170  |
|           | 18:00 - 19:30 | 1.50  | DRL  | 1        | SLIDING WITH 530 GPM, 10-15 ON BIT, 175- 250 DIFF. SLIDE 175 FT. 4.75 HRS. = 36.8 FPH W / 1.83 BENT MOTOR   |
|           | 19:30 - 21:00 | 1.50  | CIRC | 2        | DIR. DRILL FROM 2811' TO 2876' = 65 FT. @ 43.3 FPH 10-15 K ON BIT 40 RPM ON TOP DRIVE, 1.83 BEND MUD MOTOR, .11GPM, = 100 RPM PUMPS 2X110, 530 GPM KICK OFF @1170   |
|           | 21:00 - 06:00 | 9.00  | DRL  | 2        | LOST RETURNS @2876 MIX AND PUMP 60 BBL10 % LCM PILL GAIN RETURNS SLOW PUMPS DOWN TO 2X 82= 400 GPM WITH FULL RETURNS DIR. DRILL FROM 2876' TO 3193' = 317 FT. @ 35.2 FPH 10-15 K ON BIT 40 RPM ON TOP DRIVE, 1.83 BEND MUD MOTOR, .11GPM, = 88 RPM PUMPS 2X82, 400 GPM KICK OFF @1170 |
|           | 21:00 - 06:00 | 9.00  | DRL  | 2        | SLIDING WITH 400 GPM, 10-15 ON BIT, 175- 250 DIFF. SLIDE 97 FT. 4.6 HRS. = 21.0 FPH W / 1.83 BENT MOTOR   |
| 5/13/2012 | 06:00 - 07:30 | 1.50  | DRL  | 2        | DIR. DRILL FROM 3193' TO 3206' = 13 FT. @ 26 FPH 10-15 K ON BIT PUMPS 2 X 90 SPM, 435 GPM, 40 RPM ON TOP DRIVE, 48 RPM MUD MOTOR, = 88 TOTAL. 1.83 BEND MUD MOTOR, .11GPM, KICK OFF WAS @ 1170' 36 VIS, 8.6 WT.   |
|           | 07:30 - 09:30 | 2.00  | CIRC | 2        | LOST CIRCULATION, MIX LCM AND WORK TIGHT HOLE.  |
|           | 09:30 - 10:00 | 0.50  | CIRC | 1        | LOST 120 BBLs. @ 3206   |
|           | 10:00 - 16:30 | 6.50  | DRL  | 2        | CIRCULATE AND MIX LCM AND GEL. VIS 40, WT. 8.8, LCM 4 % DIR. DRILL FROM 3206' TO 3350' = 144 FT. @ 22 FPH 15-20 K ON BIT  |

## Operations Summary Report

Well Name: RW 9C1-26B  
 Location: 26- 7-S 23-E 27  
 Rig Name: FRONTIER

Spud Date: 5/8/2012  
 Rig Release: 5/29/2012  
 Rig Number: 2

| Date      | From - To     | Hours | Code | Sub Code | Description of Operations  |
|-----------|---------------|-------|------|----------|--|
| 5/13/2012 | 10:00 - 16:30 | 6.50  | DRL  | 2        | PUMPS 2 X 90 SPM, 435 GPM, 40 RPM ON TOP DRIVE, 48 RPM MUD MOTOR,<br>SLID 45 FT. IN 3.25 HRS. 12.9 FPH   |
|           | 16:30 - 18:30 | 2.00  | CIRC | 2        | LOST CIRCULATION, WORK PIPE AND MIX LCM. LOST 184 BBLs.<br>VIS 39, WT.8.8, LCM 10%.  |
|           | 18:30 - 00:30 | 6.00  | DRL  | 2        | DIR. DRILL FROM 3193' TO 3206' = 13 FT. @ 26 FPH 10-15 K ON BIT<br>PUMPS 2 X 90 SPM, 435 GPM, 40 RPM ON TOP DRIVE, 48 RPM MUD MOTOR,<br>SLIDE 85 FT. IN 3.75 HRS. 22.6 FPH   |
|           | 00:30 - 01:30 | 1.00  | CIRC | 1        | PUMP HIGH VIS. LCM SWEEP, CIRCULATE BOTTOMS UP   |
|           | 01:30 - 02:30 | 1.00  | TRP  | 14       | SHORT TRIP PULL 3 STANDS   |
|           | 02:30 - 06:00 | 3.50  | REAM | 1        | WASH AND REAM OUT OF HOLE F/ 3510 T 2500, LOST RETURNS AND WORK<br>TIGHT HOLE FROM 3080 TO 3000 AND MIX LCM LOST 290 BBLs. GAIN<br>RETURN CONTINUE WASH& REAM OUT OF HOLE  |
| 5/14/2012 | 06:00 - 10:30 | 4.50  | TRP  | 14       | SHORT TRIP TO SURFACE FOR SURFACE CASING.<br>BACK REAM FROM 2700-2600, 2200-2100, 1700-1650.   |
|           | 10:30 - 12:30 | 2.00  | TRP  | 1        | LAY DOWN 8 INCH MUD MOTOR, BIT, SHOCK SUB,<br>MONEL DC, AND GAP SUB.   |
|           | 12:30 - 17:00 | 4.50  | TRP  | 14       | PICK UP BIT, BIT SUB, AND CHANG OVER SUB, AND<br>TRIP IN HOLE.   |
|           | 17:00 - 19:00 | 2.00  | RIG  | 2        | WORK ON PUMPS, FULL OF LCM. CHANGE HYDRAULIC HOSE ON TOP<br>DRIVE  |
|           | 19:00 - 20:00 | 1.00  | REAM | 1        | WASH AND REAM F/ 3390' T 3440' 50'   |
|           | 20:00 - 21:00 | 1.00  | RIG  | 2        | WORK ON PUMPS FULL OF LCM  |
|           | 21:00 - 22:00 | 1.00  | REAM | 1        | WASH AND REAM F/ 3440' T 3471' 31'   |
|           | 22:00 - 23:30 | 1.50  | CIRC | 1        | PUMP TWO HIGH VIS& LCM SWEEPS CIRCULATE BOTTOMS UP   |
|           | 23:30 - 03:30 | 4.00  | TRP  | 2        | TRIP OUT OF HOLE( STEEL LINE MEASUREMENT)  |
|           | 03:30 - 05:00 | 1.50  | DRL  | 2        | PICK UP MOTOR AND EM TOOL SCRIBE DIR TOOLS   |
| 5/15/2012 | 05:00 - 06:00 | 1.00  | TRP  | 2        | TRIP IN HOLE   |
|           | 06:00 - 08:00 | 2.00  | TRP  | 2        | TRIP IN HOLE WITH BIT, 8" MUD MOTOR, NMDC, AND MWD   |
|           | 08:00 - 15:00 | 7.00  | REAM | 1        | REAM FROM 3440 TO 3510.  |
|           | 15:00 - 18:00 | 3.00  | DRL  | 2        | DIRECTIONAL DRILL FROM 3510 TO 3555. 45 FT. 15FPH.<br>25-35 K ON BIT, 42 RPM ON TOP DRIVE, 55 RPM ON MUD MOTOR,<br>2 PUMPS AT 110 SPM EACH, 530 GPM.<br>MUD MOTOR HAS A 1.83 BEND, 9/10 LOBE, .11 RPG.<br>VIS IS 39, WT. 8.8 |
|           | 18:00 - 19:00 | 1.00  | CIRC | 1        | PUMP HIGH VIS. SWEEP CIRCULATE BOTTOMS UP  |
|           | 19:00 - 20:30 | 1.50  | TRP  | 14       | SHORT TRIP 10 STANDS TO 2652'  |
|           | 20:30 - 21:30 | 1.00  | CIRC | 1        | PUMP HIGH VIS. SWEEP CIRCULATE BOTTOMS UP  |
|           | 21:30 - 00:00 | 2.50  | TRP  | 2        | TRIP OUT OF HOLE TO RUN 9 5/8 CASING   |
|           | 00:00 - 01:00 | 1.00  | TRP  | 1        | LAY DOWN DIRECTIONAL TOOLS AND 8" MOTOR  |
|           | 01:00 - 03:00 | 2.00  | CSG  | 1        | PJSM WITH CASING CREW AND PICK UP MACHINE  |
| 5/16/2012 | 03:00 - 06:00 | 3.00  | CSG  | 2        | MAKE UP SHOE AND FLOAT COLLAR( TEST FLOAT EQUIPMENT) AND RUN 9<br>5/8 CSG 40# N-80   |
|           | 06:00 - 08:00 | 2.00  | CSG  | 2        | RAN 86 JTS. OF 9.625, N-80, 40#, LT&C CASING. LANDED AT<br>3549' RKB.  |
|           | 08:00 - 13:00 | 5.00  | CIRC | 2        | LOST CIRCULATION WITH CASING ON BOTTOM.<br>MOVE PIPE WHILE MIXING LCM AND PILLS.   |
|           | 13:00 - 14:30 | 1.50  | CIRC | 1        | CIRCULATE CASING AND HOLE WITH ONE PUMP AT 5 BBLs A MIN.<br>1.5 X VOLUME OF CASING   |
|           | 14:30 - 17:30 | 3.00  | CMT  | 2        | PJSM, RIG UP CEMENTERS AND CEMENT. PUMPED 15 BBL WATER W/ 20%<br>CaCL, 20 BBL SUPERFLUSH. LEAD CEMENT 560 SKS. EXTENDACEM [TM ]  |

## Operations Summary Report

Well Name: RW 9C1-26B  
 Location: 26- 7-S 23-E 27  
 Rig Name: FRONTIER

Spud Date: 5/8/2012  
 Rig Release: 5/29/2012  
 Rig Number: 2

| Date      | From - To                      | Hours        | Code       | Sub Code | Description of Operations   |
|-----------|--------------------------------|--------------|------------|----------|---|
| 5/16/2012 | 14:30 - 17:30                  | 3.00         | CMT        | 2        | W / 3 LBM/SK KOL-SEAL. TAIL IN WITH 200 SKS. ECONOCEM { TM } , 0.2 % HR-5, 3 LBM / SK KOL-SEAL, 0.125 LBM / SK POLY-E- FLAKE. BUMP PLUG, FLOAT HELD. PLUG DOWN AT 17:30 5/15/12. NO RETURNS.  |
|           | 17:30 - 19:30                  | 2.00         | WOT        | 1        | WAIT ON CEMENT , TO DO TOP JOB.   |
|           | 19:30 - 21:30                  | 2.00         | CMT        | 2        | CEMENT TOP JOB W / 75 SKS. PREMIUM PLUS- TYPE 3. CIRCULATE 6 BBLs OF CEMENT TO PIT.   |
|           | 21:30 - 01:30                  | 4.00         | WOT        | 1        | WAIT ON CEMENT AFTER TOP JOB  |
|           | 01:30 - 02:30                  | 1.00         | CSG        | 6        | CUT OFF CONDUCTOR AND CASING AND LAY DOWN   |
|           | 02:30 - 05:00                  | 2.50         | WHD        | 1        | WELD ON WELL HEAD AND TEST WELL HEAD TO (1500 PSI FOR 15MINS)   |
|           | 05:00 - 06:00                  | 1.00         | BOP        | 1        | PICK UP BOP AND NIPPLE UP.  |
| 5/17/2012 | 06:00 - 15:00                  | 9.00         | BOP        | 1        | NIPPLE UP BOP's, WING VALVES, CHOKE, KILL LINE & CHANGE OUT ACTUATOR VALVE ON TOP DRIVE FUNCTION TEST BOP's   |
|           | 15:00 - 06:00                  | 15.00        | BOP        | 2        | PJSM M/U TEST ASSY & TEST BOP, WING VALVES, TOP DRIVE, TIW VALVE, IBOP VALVE, CHOKE MANIFOLD 250 LOW 5MIN, 5,000 HIGH 15 MIN. HYDRIL 250 LOW 2,500 HIGH 15 MIN, TOP DRIVE HOSE, STANDPIPE & BACK TO MUD PUMP 250 LOW 5 MIN 3,500 HIHG 15 MIN. TEST CASING TO 1,500 PSI 30 MIN. RETIGHTEN WELL HEAD WITH TORQUE WRENCH, RETIGHTEN HCR, IBOP FAILED REPLACE AND RETEST LOST 6HRS. WORKING TOP DRIVE |
| 5/18/2012 | 06:00 - 08:30                  | 2.50         | RIG        | 2        | INSTALL ACTUATOR & RE-TORQUE LINE UP IBOP VALVE ON TOP DRIVE  |
|           | 08:30 - 09:00                  | 0.50         | BOP        | 2        | INSTALL WEAR BUSHING  |
|           | 09:00 - 12:00                  | 3.00         | TRP        | 1        | M/U DIR. TOOLS MWD, MUD MOTOR SCRIBE & TEST 50 SPM 60 PSI M/U BIT, T.I.H TO 1,063' CHANGE OUT JARS  |
|           | 12:00 - 18:30                  | 6.50         | TRP        | 2        | T.I.H P/U & M/U NEW DRILL PIPE MAKE UP, BREAK OUT & RE-TORQUE 81 JTS. TO 3,500'   |
|           | 18:30 - 19:00                  | 0.50         | TRP        | 2        | INSTALL ROT HEAD  |
|           | 19:00 - 20:30                  | 1.50         | DRL        | 1        | DRILL FLOAT EQUIPMENT, CEMENT, SHOE 7 10' NEW HOLE F/3,555' TO 3,565' & CIRC  |
|           | 20:30 - 21:30<br>21:30 - 06:00 | 1.00<br>8.50 | EQT<br>DRL | 2<br>1   | F.I.T. 280 PSI EMW 10.0 PPG W/8.5 PPG<br>DIR. DRILL FROM 3555' TO 4265' = 710 FT. @ 83.52 FPH 15-20 K ON BIT PUMPS 2 X 87 SPM, 504 GPM, 40 RPM ON TOP DRIVE, 106 RPM MUD MOTOR,   |
| 5/19/2012 | 06:00 - 14:30                  | 8.50         | DRL        | 1        | SLIDE 129FT. IN 2.41HRS. 53.75FPH 20 BELOW & 1.10' LEFT<br>DIR. DRILL FROM 4265' TO 5050' = 785 FT. @ 92.3 FPH 10-15 K ON BIT PUMPS 2 X 87 SPM, 504 GPM, SPP 1880 PSI, 50 RPM ON TOP DRIVE, 106 RPM MUD MOTOR, MW 8.5 PPG VIS 30 GAS 3100 UNIT NO FLARE   |
|           | 14:30 - 15:00                  | 0.50         | RIG        | 1        | SLIDE 62 FT. IN 50MIN. 62FPH<br>SERVICE RIG AND TOP DRIVE   |
|           | 15:00 - 06:00                  | 15.00        | DRL        | 1        | DIR. DRILL FROM 5050' TO 6258' = 1208 FT. @ 80.53 FPH 10-15 K ON BIT PUMPS 2 X 90 SPM, 509 GPM, SPP 1990 PSI, 55 RPM ON TOP DRIVE, 107 RPM MUD MOTOR, MW 8.9 PPG VIS 30 GAS 8190 UNIT NO FLARE  |
| 5/20/2012 | 06:00 - 14:00                  | 8.00         | DRL        | 1        | SLIDE 13FT. IN 25MIN. 48FPH 3.5 RIGHT 2' ABOUT LINE<br>DIR. DRILL FROM 6258' TO 6671' = 413' FT. @ 51.6FPH 15-25 K ON BIT PUMPS 2 X 90 SPM, 509 GPM, SPP 2200 PSI, 55-60 RPM ON TOP DRIVE, 107 RPM MUD MOTOR, MW 9.2 PPG VIS 37 GAS 5179 UNIT 3' FLARE  |
|           | 14:00 - 15:00                  | 1.00         | SUR        | 1        | SLIDE 20FT. IN 45MIN. 26.6FPH<br>CONNECTION & SURVEY  |
|           | 15:00 - 15:30                  | 0.50         | RIG        | 1        | SERVICE RIG AND TOP DRIVE   |
|           | 15:30 - 05:00                  | 13.50        | DRL        | 1        | DIR. DRILL FROM 6671' TO 7470' = 800' FT. @ 60.2FPH 15-25 K ON BIT PUMPS 2 X 90 SPM, 509 GPM, SPP 2310 PSI, 55-60 RPM ON TOP DRIVE, 107   |

## Operations Summary Report

Well Name: RW 9C1-26B  
 Location: 26- 7-S 23-E 27  
 Rig Name: FRONTIER

Spud Date: 5/8/2012  
 Rig Release: 5/29/2012  
 Rig Number: 2

| Date      | From - To     | Hours | Code | Sub Code | Description of Operations   |
|-----------|---------------|-------|------|----------|---|
| 5/20/2012 | 15:30 - 05:00 | 13.50 | DRL  | 1        | RPM MUD MOTOR, MW 9.2 PPG VIS 37 GAS 5179 UNIT NO FLARE<br><br>SLIDE 20FT. IN .45 MIN. 26.66 FPH  |
| 5/21/2012 | 05:00 - 06:00 | 1.00  | SUR  | 1        | CONNECTION & SURVEY   |
|           | 06:00 - 06:30 | 0.50  | SUR  | 1        | CONNECTION & SURVEY   |
|           | 06:30 - 12:00 | 5.50  | DRL  | 1        | DIR. DRILL FROM 7470' TO 7721' = 251' FT. @ 45.6FPH 15-25 K ON BIT<br>PUMPS 2 X 90 SPM, 509 GPM, SPP 2510 PSI, 55-60 RPM ON TOP DRIVE, 107<br>RPM MUD MOTOR, MW 9.7 PPG VIS 36 GAS 1810 UNIT NO FLARE   |
|           | 12:00 - 12:30 | 0.50  | SUR  | 1        | CONNECTION & SURVEY   |
|           | 12:30 - 13:30 | 1.00  | DRL  | 1        | DIR. DRILL FROM 7721' TO 7815' = 94' FT. @ 94FPH 15-25 K ON BIT<br>PUMPS 2 X 90 SPM, 509 GPM, SPP 2510 PSI, 55-60 RPM ON TOP DRIVE, 107<br>RPM MUD MOTOR, MW 9.7 PPG VIS 35 GAS 1850 UNIT NO FLARE  |
| 5/22/2012 | 13:30 - 14:00 | 0.50  | RIG  | 1        | SERVICE RIG AND TOP DRIVE   |
|           | 14:00 - 22:00 | 8.00  | DRL  | 1        | DIR. DRILL FROM 7815' TO 8147' = 332' FT. @ 41.5FPH 15-25 K ON BIT<br>PUMPS 2 X 90 SPM, 509 GPM, SPP 2510 PSI, 55-60 RPM ON TOP DRIVE, 107<br>RPM MUD MOTOR, MW 9.7 PPG VIS 35 GAS 1850 UNIT NO FLARE<br><br>SLIDE 20XFT. IN .60 MIN. 20 FPH                        |
|           | 22:00 - 22:30 | 0.50  | SUR  | 1        | SERVICE RIG AND TOP DRIVE   |
|           | 22:30 - 06:00 | 7.50  | DRL  | 1        | DIR. DRILL FROM 8147' TO 8645' = 498' FT. @ 66.4FPH 15-25 K ON BIT<br>PUMPS 2 X 90 SPM, 509 GPM, SPP 2610 PSI, 55-60 RPM ON TOP DRIVE, 107<br>RPM MUD MOTOR, MW 9.7 PPG VIS 35 GAS 1850 UNIT NO FLARE<br><br>SLIDE 20XFT. IN .45 MIN. 19 FPH                        |
|           | 06:00 - 06:30 | 0.50  | SUR  | 1        | CONNECTION & SURVEY   |
| 5/23/2012 | 06:30 - 14:00 | 7.50  | DRL  | 1        | DIR. DRILL FROM 8645' TO 9142' = 497' FT. @ 66.2FPH 15-25 K ON BIT<br>PUMPS 2 X 90 SPM, 509 GPM, SPP 2810 PSI, 55-60 RPM ON TOP DRIVE, 107<br>RPM MUD MOTOR, MW10.1 PPG VIS 37 GAS 2850 UNIT NO FLARE<br><br>SLIDE 28XFT. IN .65 MIN. 25.8 FPH                      |
|           | 14:00 - 14:30 | 0.50  | SUR  | 1        | CONNECTION & SURVEY   |
|           | 14:30 - 15:00 | 0.50  | DRL  | 1        | DIR. DRILL FROM 9142' TO 9236' = 94' FT. @ 94FPH 15-25 K ON BIT<br>PUMPS 2 X 90 SPM, 509 GPM, SPP 2810 PSI, 55-60 RPM ON TOP DRIVE, 107<br>RPM MUD MOTOR, MW10.1 PPG VIS 37 GAS 4115 UNIT NO FLARE  |
|           | 15:00 - 15:30 | 0.50  | RIG  | 1        | SERVICE RIG AND TOP DRIVE   |
|           | 15:30 - 05:30 | 14.00 | DRL  | 1        | DIR. DRILL FROM 9236' TO 9850' = 614' FT. @ 43.8FPH 15-25 K ON BIT<br>PUMPS 2 X 90 SPM, 509 GPM, SPP 2810 PSI, 55-60 RPM ON TOP DRIVE, 107<br>RPM MUD MOTOR, MW10.1 PPG VIS 37 GAS 4115 UNIT NO FLARE<br><br>SLIDE 25XFT. IN .85 MIN. 17.6 FPH LOST 100 BBLS @9430' |
| 5/23/2012 | 05:30 - 06:00 | 0.50  | SUR  | 1        | CONNECTION & SURVEY   |
|           | 06:00 - 07:00 | 1.00  | DRL  | 1        | DIR. DRILL FROM 9850' TO 9864' = 14' FT. @ 14FPH 15-25 K ON BIT<br>PUMPS 2 X 90 SPM, 509 GPM, SPP 2810 PSI, 55-60 RPM ON TOP DRIVE, 107<br>RPM MUD MOTOR, MW10.1 PPG VIS 37 GAS 8115 UNIT NO FLARE<br><br>SLIDE FT. IN .5 MIN. FPH                                  |
|           | 07:00 - 09:00 | 2.00  | CIRC | 1        | CIRCULATE OUT GAS & RAISE MW TO 10.3 PPG & MIX SLUG   |

## Operations Summary Report

Well Name: RW 9C1-26B  
 Location: 26- 7-S 23-E 27  
 Rig Name: FRONTIER

Spud Date: 5/8/2012  
 Rig Release: 5/29/2012  
 Rig Number: 2

| Date          | From - To     | Hours         | Code | Sub Code  | Description of Operations  |   |
|---------------|---------------|---------------|------|---|--|---|
| 5/23/2012     | 09:00 - 14:30 | 5.50          | TRP  | 2   | FLOW CHECK PULL 10 STDS & PUMP SLUG, P.O.O.H L/D MUD MOTOR   |   |
|               | 14:30 - 15:00 | 0.50          | BOP  | 2   | FUNCTION TEST BOP's  |   |
|               | 15:00 - 16:00 | 1.00          | TRP  | 1   | P/U MUD MOTOR, CHANGE OUT MWD TOOL, SCRIBE & TEST W/60 SPM 180 PSI   |   |
|               | 16:00 - 18:00 | 2.00          | TRP  | 2   | M/U BIT T.I.H W/HWDP & DRILL PIPE TO 3539'   |   |
|               | 18:00 - 19:30 | 1.50          | RIG  | 6   | SLIP & CUT DRILL LINE 123'   |   |
|               | 19:30 - 20:00 | 0.50          | RIG  | 1   | RIG SERVICE  |   |
|               | 20:00 - 22:30 | 2.50          | RIG  | 2   | REPLACE HYDRAULIC LINE IN TOP DRIVE SERVICE LOOP   |   |
|               | 22:30 - 02:00 | 3.50          | TRP  | 2   | RIH BREAK CIRC EVERY 25 STDS   |   |
|               | 02:00 - 03:00 | 1.00          | REAM | 1   | WASH AND REAM 120' TO BOTTOM   |   |
|               | 03:00 - 03:30 | 0.50          | CIRC | 1   | CIRC OUT GAS THROUGH CHOKE WITH 10-35' FLARE 20 MIN.   |   |
| 03:30 - 06:00 | 2.50          | DRL           | 2    | DIR. DRILL FROM 9850' TO 9968' = 118' FT. @ 47.2FPH 15-20 K ON BIT PUMPS 2 X 85 SPM, 481 GPM, SPP 3110 PSI, 55-60 RPM ON TOP DRIVE, 101 RPM MUD MOTOR, MW10.4 PPG VIS 36 GAS 8717 UNIT 10-35' FLARE |  |   |
| 5/24/2012     | 06:00 - 15:30 | 9.50          | DRL  | 1   | SLIDE XXXFT. IN . XX MIN. XX FPH LOST 150 BBLS @9850' DIR. DRILL FROM 9968' TO 10372' = 404' FT. @ 42.5FPH 15-20 K ON BIT PUMPS 2 X 85 SPM, 481 GPM, SPP 2650 PSI, 55-60 RPM ON TOP DRIVE, 101 RPM MUD MOTOR, MW10.6 PPG VIS 36 W/5% LCM GAS 8817 UNIT NO FLARE DRILL ONE JT. & RE-LOG GAMMA |   |
|               | 15:30 - 16:00 | 0.50          | RIG  | 1   | SLIDE XXXFT. IN . XX MIN. XX FPH LOST 175 BBLS @ 10,250' SERVICE RIG AND TOP DRIVE   |   |
|               | 16:00 - 16:30 | 0.50          | SUR  | 1   | CONNECTION & SURVEY  |   |
|               | 16:30 - 18:30 | 2.00          | DRL  | 1   | DIR. DRILL FROM 10372' TO 10467' = 95' FT. @ 47.5FPH 15-20 K ON BIT PUMPS 2 X 85 SPM, 481 GPM, SPP 2650 PSI, 55-60 RPM ON TOP DRIVE, 101 RPM MUD MOTOR, MW10.8 PPG VIS 36 W/5% LCM GAS 8861 UNIT NO FLARE DRILL ONE JT. & RE-LOG GAMMA   |   |
|               | 18:30 - 19:30 | 1.00          | CIRC | 1   | SLIDE XXXFT. IN . XX MIN. XX FPH LOST 0 BBLS @ 10,250' CLEAN LCM OUT OF MUD PUMP & LINE  |   |
|               | 19:30 - 22:30 | 3.00          | DRL  | 1   | DIR. DRILL FROM 10467' TO 10510' = 43' FT. @ 14.33 FPH 15-20 K ON BIT PUMPS 2 X 85 SPM, 481 GPM, SPP 2650 PSI, 55-60 RPM ON TOP DRIVE, 101 RPM MUD MOTOR, MW10.9 PPG VIS 36 W/5% LCM GAS 8861 UNIT NO FLARE DRILL ONE JT. & RE-LOG GAMMA   |   |
|               | 22:30 - 23:30 | 1.00          | TRP  | 2   | SLIDE XXXFT. IN . XX MIN. XX FPH LOST 0 BBLS @ 10,250' POH 3 STDS TO RESET MWD CLOCK SETTINGS RIH  |   |
|               | 23:30 - 06:00 | 6.50          |      |   | DIR. DRILL FROM 10510' TO 10579' = 69' FT. @ 10.6FPH 25-30 K ON BIT PUMPS 2 X 85 SPM, 470 GPM, SPP 2650 PSI, 55-60 RPM ON TOP DRIVE, 99 RPM MUD MOTOR, MW 11 PPG VIS 38 W / 5% LCM GAS 5800 UNITS NO FLARE DRILL ONE JT. & RE-LOG GAMMA  |   |
|               | 5/25/2012     | 06:00 - 06:30 | 0.50 | DRL   | 1  | SLIDE XXXFT. IN . XX MIN. XX FPH LOST 43 BBLS @ 10,510' DIR. DRILL FROM 10579' TO 10580' = 1' FT. @ 2FPH 25-30 K ON BIT PUMPS 2 X 85 SPM, 470 GPM, SPP 2650 PSI, 55-60 RPM ON TOP DRIVE, 99 RPM MUD MOTOR, MW 11 PPG VIS 38 W / 5% LCM GAS 5800 UNITS NO FLARE DRILL ONE JT. & RE-LOG GAMMA |
|               |               | 06:30 - 07:30 | 1.00 | DRL   | 2  | SLIDE XXXFT. IN . XX MIN. XX FPH LOST 0 BBLS @ 10,510' RE-LOG GAMMA F/10560' TO 10,580'   |
| 07:30 - 10:00 |               | 2.50          | CIRC | 1   | FLOW CHECK WELL FLOWING RAISE MW TO 11.3 PPG   |   |
| 10:00 - 15:00 |               | 5.00          | TRP  | 14  | FLOW CHECK NO FLOW PUMP & BACK REAM F/10580' TO 10105' P.O.O.H TO 3540'  |   |
| 15:00 - 15:30 |               | 0.50          | RIG  | 2   | CHANGE OUT HYDRAULIC CYLINDER ON TOP DRIVE   |   |
| 15:30 - 18:30 |               | 3.00          | TRP  | 14  | T.I.H FILL PIPE EVERY 30 STANDS TO 10,219'   |   |
| 18:30 - 19:00 | 0.50          | REAM          | 1    | WASH & REAM F/10,219' TO 10,580'  |  |   |

## Operations Summary Report

Well Name: RW 9C1-26B  
 Location: 26- 7-S 23-E 27  
 Rig Name: FRONTIER

Spud Date: 5/8/2012  
 Rig Release: 5/29/2012  
 Rig Number: 2

| Date      | From - To     | Hours | Code | Sub Code | Description of Operations   |
|-----------|---------------|-------|------|----------|---|
| 5/25/2012 | 19:00 - 22:30 | 3.50  | CIRC | 1        | CIRCULATE OUT GAS W 6300 UNITS NO FLARE // CONDITION MUD  |
|           | 22:30 - 02:00 | 3.50  | TRP  | 14       | FLOW CHECK // WIPER TRIP 30 STDS 75000 OVERPULL   |
|           | 02:00 - 03:30 | 1.50  | REAM | 1        | WASH AND REAM BRIDGES FROM 10224' TO 10394'   |
| 5/26/2012 | 03:30 - 06:00 | 2.50  | CIRC | 1        | CIRCULATE OUT GAS W/ 2150 UNIT NO FLARE // CONDITION MUD,   |
|           | 06:00 - 07:00 | 1.00  | TRP  | 14       | 5 STANDS SHORT TRIP TO 10,110'  |
|           | 07:00 - 08:30 | 1.50  | CIRC | 1        | CIRCULATE OUT GAS & SPOT WALNUT IN OPEN HOLE, MIX SLUG  |
|           | 08:30 - 15:00 | 6.50  | TRP  | 2        | FLOW CHECK OK, PUMP SLUG P.O.O.H  |
|           | 15:00 - 16:00 | 1.00  | TRP  | 1        | L/D TWO MONEL, GAP SUB, MUD MOTOR, MWD TOOL & BIT   |
|           | 16:00 - 16:30 | 0.50  | RIG  | 1        | SERVICE RIG AND TOP DRIVE & FUNCTION TEST BOP's   |
|           | 16:30 - 22:00 | 5.50  | LOG  | 1        | PJSM R/U THRU BIT LOGGING & R.I.H. W/TRIPLE COMBO TO 10,275' TAG<br>BRIDGE LOG F10,275' UP  |
|           | 22:00 - 22:30 | 0.50  | LOG  | 1        | RIG DOWN LOGGERS  |
|           | 22:30 - 00:00 | 1.50  | LOG  | 1        | MAKE UP SIDE ENTRY TOOLS  |
|           | 00:00 - 06:00 | 6.00  | TRP  | 2        | MAKE UP WIRE LINE BHA AND RIH TO 2500' PICK UP 35 JTS OF DRILL PIPE<br>BREAK CIRC RIH BREAK CIRC @ 3647'  |
| 5/27/2012 | 06:00 - 06:30 | 0.50  | TRP  | 1        | MOVE HWDP TO DRILL SIDE   |
|           | 06:30 - 08:30 | 2.00  | TRP  | 2        | T.I.H TO 5802'  |
|           | 08:30 - 09:00 | 0.50  | CIRC | 1        | FILL PIPE & CIRCULATE OUT SLUG  |
|           | 09:00 - 11:00 | 2.00  | TRP  | 2        | T.I.H & FILL PIPE EVERY 35 STANDS   |
|           | 11:00 - 13:00 | 2.00  | REAM | 1        | WASH & REAM F/10,106' TO 10,580'  |
|           | 13:00 - 14:00 | 1.00  | CIRC | 1        | CIRCULATE OUT GAS 5,126 UNIT PJSM R/U THRU BIT LOGGING SHEAE IN<br>DERRICK  |
|           | 14:00 - 14:30 | 0.50  | TRP  | 14       | PULL 3 STANDS & SINGLE TO 10,297'   |
|           | 14:30 - 20:00 | 5.50  | LOG  | 1        | PJSM THRU BIT LOGGING, R/U SIDE ENTRY, M/U TOOLS & RIH TO 10,582'<br>LOG UP TO 10,297' P.O.O.H L/D TOOLS & SIDE ENTRY, TIH 3 STANDS   |
|           | 20:00 - 22:00 | 2.00  | CIRC | 1        | CIRCULATE BOTTOMS UP, SPOT WALNUT, BUILD & PUMP SLUG  |
|           | 22:00 - 23:00 | 1.00  | TRP  | 2        | TOOH 25 STANDS TO CLEAR TIGHT SPOTS   |
| 5/28/2012 | 23:00 - 06:00 | 7.00  | TRP  | 3        | LAY DOWN DRILL STRING   |
|           | 06:00 - 08:00 | 2.00  | TRP  | 3        | L/D 4.5" DRILL PIPE & THRU BIT BHA  |
|           | 08:00 - 10:00 | 2.00  | RIG  | 2        | CHANGE OUT BOLT ON TOP DRIVE HYD. CYLINDER  |
|           | 10:00 - 12:00 | 2.00  | TRP  | 2        | M/U BIT, BIT SUB, T.I.H W/BHA & 25 STANDS DRILL PIPE  |
|           | 12:00 - 15:30 | 3.50  | TRP  | 3        | L/D 4.5" DRILL PIPE, HWDP & 6.5" DC   |
|           | 15:30 - 16:00 | 0.50  | BOP  | 2        | FUNCTION BOP & PULL WEAR BUSHING  |
|           | 16:00 - 19:00 | 3.00  | CSG  | 1        | PJSM CHANGE OUT SAVER SUB & R/U WEATHERFORD CASING EQUIPMENT  |
|           | 19:00 - 06:00 | 11.00 | CSG  | 2        | M/U SHOE, FLOAT & ONE JT. PUMP THRU FLOAT EQUIPMENT & R.I.H W/4.5"<br>11.6# HCP 110 LT&C BREAK CIRC EVERY 25 JTS. & CIRCULATE B/U @ 3,525'<br>& 6,500' & 9,000' LOST 250BBL @ 6500'   |
| 5/29/2012 | 06:00 - 07:30 | 1.50  | CSG  | 2        | R.I.H W/4.5" 11.6# HCP 110 LT&C BREAK CIRC EVERY 25 JTS. & WASH<br>F/10,255' TO 10,580' PULL BACK UP TO 10,571'   |
|           | 07:30 - 15:30 | 8.00  | CIRC | 1        | CIRCULATE OUT GAS CUT MUD WT. BACK TO 11.3 PPG & WAIT ON CEMENT   |
|           | 15:30 - 19:30 | 4.00  | CMT  | 2        | PJSM RIG UP HALLIBURTON, TEST LINE TO 5,000PSI, PUMP 20 BBL OF 11.5<br>PPG TUNED SPACER, PUMP 501.1 BBL 11.5 PPG EXTENDACEM LEAD<br>CEMENT 1130 SKS, 2.49FT3/SK, 13.94 GAL/SK, PUMP 144 BBL 13.0 PPG<br>EXPANDACEM TAIL CEMENT, 490 SKS, 1.65FT3/SK, 8.19 GAL/SK, WASH<br>PUMP & LINES DROP TOP PLUG, PUMP 163 BBL KCL DISPLACEMENT,<br>BUMP PLUG W/1000 PSI OVER, CHECK FLOAT OK 2 BBL BACK, WITH FULL<br>RETURN NO LOSSES 80 BBL OF CEMENT BACK TO SUFACE |
|           | 19:30 - 22:30 | 3.00  | BOP  | 1        | PJSM R/U WINCHES, NIPPLE DOWN BOP, LIFT STACK, SET SLIPS 135K, CUT<br>OFF R/D WINCHES   |
|           | 22:30 - 06:00 | 7.50  | BOP  | 1        | NIPPLE DOWN CLEAN PITS  |

## Operations Summary Report

Well Name: RW 9C1-26B  
 Location: 26-7-S 23-E 27  
 Rig Name: MARTINEZ WELL SERVICE

Spud Date: 5/8/2012  
 Rig Release:  
 Rig Number: 1

| Date     | From - To     | Hours | Code | Sub Code | Description of Operations   |
|----------|---------------|-------|------|----------|---|
| 6/5/2012 | 10:00 - 13:00 | 3.00  |      |          | INSTALL FRAC HEAD AND TEST CSG.AND HEAD TO 7500#--OK  |
|          | 13:00 - 15:00 | 2.00  |      |          | PERF.MV INTERVAL #1   |
| 6/6/2012 | 11:40 - 13:30 | 1.83  |      |          | FRAC MV INTERVAL 10146-10220' PER DESIGN WITH 140M# OF 30/50 SAND   |
|          | 13:30 - 15:00 | 1.50  |      |          | SET FRAC PLUG AT 10100' AND PERF.3 ZONES (9930-35'; 9896-9900' & 9854-56')  |
|          | 15:00 - 16:00 | 1.00  |      |          | FRAC MV INTERVAL #2--9854-9935' AS PER DESIGN WITH 41600# OF 30/50 SAND   |
|          | 16:00 - 17:00 | 1.00  |      |          | SET FRAC PLUG AT 9800' AND PERF.ZONE #3 MV (9639-46' & 9764-72')  |
|          | 17:00 - 18:30 | 1.50  |      |          | FRAC MV ZONE #3 (9639-9772') WITH 65M# OF SAND  |
|          | 18:30 - 19:30 | 1.00  |      |          | SET COMP.BP AT 6000'. BLEED OFF WELL AND SIFN AND RD CREWS.   |
| 6/7/2012 | 05:30 - 07:00 | 1.50  | TRAV | 1        | 6/7/2012. CREW TRAVEL   |
|          | 07:00 - 07:15 | 0.25  | RIG  | 7        | SAFETY MEETING  |
|          | 07:15 - 08:15 | 1.00  | LOC  | 3        | ROAD RIG FROM THE 12-26B TO LOCATION  |
|          | 08:15 - 10:00 | 1.75  | LOC  | 4        | SPOT IN RU RIG & EQUIPMENT  |
|          | 10:00 - 11:30 | 1.50  | BOP  | 1        | CHECK SICP=50. BLEED OFF. ND FRAC VALVE. NU BOPS. RU FLOOR & TBG EQUIPMENT  |
|          | 11:30 - 12:00 | 0.50  | LUN  | 1        | EAT LUNCH   |
|          | 12:00 - 16:30 | 4.50  | TRP  | 5        | TALLY & MAKE UP MILL, PUMP OFF BIT SUB, TALLY & PICK UP 190 JNTS OF 2 3/8" TBG. TAG KILL PLUG @6000'  |
|          | 16:30 - 17:00 | 0.50  | SEQ  | 1        | SPOT IN SWIVEL, RU SWIVEL & RIG PUMP  |
|          | 17:00 - 17:45 | 0.75  | CIRC | 1        | RU PUMP, TO PUMP CONV, PUMP 24 BBLS OF 2% KCL TO GET CIRC   |
|          | 17:45 - 18:15 | 0.50  | DRL  | 5        | DRILL OUT KILL PLUG IN 15 MIN. TAKE A KICK OF 1000 #PSI ON TBG. CASING #PSI UP TO 800   |
|          | 18:15 - 19:30 | 1.25  | TRP  | 5        | STAND SWIVEL BACK. TALLY & PICK UP 31 JNTS. EOT @6975'. CLEAN UP. SHUT TBG IN. TRUN WELL OVER TO FLOW BACK CREW FOR NIGHT                           |
|          | 19:30 - 21:00 | 1.50  | TRAV | 1        | CREW TRAVEL   |
| 6/8/2012 | 05:30 - 07:00 | 1.50  | TRAV | 1        | 6/8/2012. CREW TRAVEL   |
|          | 07:00 - 07:15 | 0.25  | RIG  | 7        | SAFETY MEETING. CHECK SITP=0, FCP=950 ON A 32/64 CHOKE  |
|          | 07:15 - 09:30 | 2.25  | TRP  | 5        | CONTINUED TO TALLY & PICK UP 89 JNTS OF 2 3/8" L-80 TBG. TAG UP ON FRAC PLUG @9800'   |
|          | 09:30 - 09:45 | 0.25  | SEQ  | 1        | RU SWIVEL & RIG PUMP TO CONV CIRC. GET CIRC W/ 16 BBLS. PUMP 2 BPM, SWIVEL 100 RPMS   |
|          | 09:45 - 10:15 | 0.50  | DRL  | 5        | START DRILL OUT FRAC PLUG RUN 2 TO 6K WOB. DRILL PLUG OUT IN 15 MIN. STAND SWIVEL BACK  |
|          | 10:15 - 11:00 | 0.75  | TRP  | 5        | TALLY & PICK UP 9 JNTS TAG UP ON FRAC PLUG @10,100'. RU SWIVEL  |
|          | 11:00 - 13:30 | 2.50  | DRL  | 5        | DRILL FRAC PLUG OUT IN 15 MIN. RIH W/ 19 JNTS. TAG UP ON FILL TOP @ 10,400' CLEAN OUT TO 10,570' PBD. NOTE RUN 2 TO 6K WOB TO CLEAN OUT PLUG & FILL |
|          | 13:30 - 14:00 | 0.50  | CIRC | 1        | PUMP 15 GALS OF CHEM. SPOT CHEM TO EOT BY DISPLACING W/ 42 BBLS OF 2% KCL WATER   |
|          | 14:00 - 14:30 | 0.50  | TRP  | 5        | RD SWIVEL, POOH LD 15 JNTS OF 2 3/8" L-80 TBG. MAKE UP TBG HANGER. LAND TBG IN WELL HEAD. EOT @10,160'  |
|          | 14:30 - 15:00 | 0.50  | BOP  | 1        | RD FLOOR, ND BOPS. DROP BALL DOWN TBG. NU WELL HEAD. RU PUMP TO TBG   |
|          | 15:00 - 15:30 | 0.50  | CIRC | 3        | PUMP 25 BBLS TO SEAT BALL ON PUMP OFF BIT SUB. #PSI UP TO 2200 TO PUMP BIT SUB OFF. BLEED OFF. SHUT WELL IN TO BUILD UP #PSI                        |
|          | 15:30 - 17:00 | 1.50  | LOC  | 4        | RIG DOWN RACK OUT EQUIPMENT. MOVE TO SIDE OF LOCATION. TRUN WELL OVER TO PRODUCTION @4:30. SDFW   |
|          | 17:00 -       |       | TRAV | 1        | CREW TRAVEL   |