FORM 3

AMENDED REPORT ☐

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

## APPLICATION FOR PERMIT TO DRILL

**1. WELL NAME and NUMBER**
RW 8C4-22B

**2. TYPE OF WORK**
DRILL NEW WELL ■ REENTER P&A WELL ☐ DEEPEN WELL ☐

**3. FIELD OR WILDCAT**
RED WASH

**4. TYPE OF WELL**
Gas Well Coalbed Methane Well: NO

**5. UNIT or COMMUNITIZATION AGREEMENT NAME**
RED WASH

**6. NAME OF OPERATOR**
QEP ENERGY COMPANY

**7. OPERATOR PHONE**
303 308-3068

**8. ADDRESS OF OPERATOR**
11002 East 17500 South, Vernal, Ut, 84078

**9. OPERATOR E-MAIL**
debbie.stanberry@qepres.com

**10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)**
UTU081

**11. MINERAL OWNERSHIP**
FEDERAL ■ INDIAN ☐ STATE ☐ FEE ☐

**12. SURFACE OWNERSHIP**
FEDERAL ■ INDIAN ☐ STATE ☐ FEE ☐

**13. NAME OF SURFACE OWNER (if box 12 = 'fee')**

**14. SURFACE OWNER PHONE (if box 12 = 'fee')**

**15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')**

**16. SURFACE OWNER E-MAIL (if box 12 = 'fee')**

**17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')**

**18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS**
YES ☐ (Submit Commingling Application) NO ■

**19. SLANT**
VERTICAL ☐ DIRECTIONAL ■ HORIZONTAL ☐

| 20. LOCATION OF WELL | FOOTAGES | QTR-QTR | SECTION | TOWNSHIP | RANGE | MERIDIAN |
|---|---|---|---|---|---|---|
| LOCATION AT SURFACE | 509 FSL 546 FEL | SESE | 22 | 7.0 S | 23.0 E | S |
| Top of Uppermost Producing Zone | 2485 FNL 978 FEL | SENE | 22 | 7.0 S | 23.0 E | S |
| At Total Depth | 2485 FNL 978 FEL | SENE | 22 | 7.0 S | 23.0 E | S |

**21. COUNTY**
UINTAH

**22. DISTANCE TO NEAREST LEASE LINE (Feet)**
978

**23. NUMBER OF ACRES IN DRILLING UNIT**
2560

**25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)**
1000

**26. PROPOSED DEPTH**
MD: 11598 TVD: 11185

**27. ELEVATION - GROUND LEVEL**
5594

**28. BOND NUMBER**
ESB000024

**29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE**
49-251/ 49-2153

### Hole, Casing, and Cement Information

| String | Hole Size | Casing Size | Length | Weight | Grade & Thread | Max Mud Wt. | Cement | Sacks | Yield | Weight |
|---|---|---|---|---|---|---|---|---|---|---|
| Surf | 12.25 | 9.625 | 0 - 3843 | 40.0 | N-80 LT&C | 0.0 | 35/65 Poz | 460 | 3.12 | 11.0 |
| | | | | | | | 50/50 Poz | 270 | 1.47 | 13.5 |
| I1 | 8.5 | 4.5 | 0 - 6489 | 11.6 | HCP-110 LT&C | 9.5 | No Used | 0 | 0.0 | 0.0 |
| Prod | 7.875 | 4.5 | 0 - 11598 | 11.6 | HCP-110 LT&C | 10.5 | 35/65 Poz | 660 | 3.18 | 11.0 |
| | | | | | | | 50/50 Poz | 590 | 1.65 | 13.5 |

### ATTACHMENTS

**VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES**

- ☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
- ☑ COMPLETE DRILLING PLAN
- ☐ AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)
- ☐ FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
- ☑ DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)
- ☑ TOPOGRAPHICAL MAP

**NAME** Valyn Davis | **TITLE** Regulatory Affairs Analyst | **PHONE** 435 781-4369

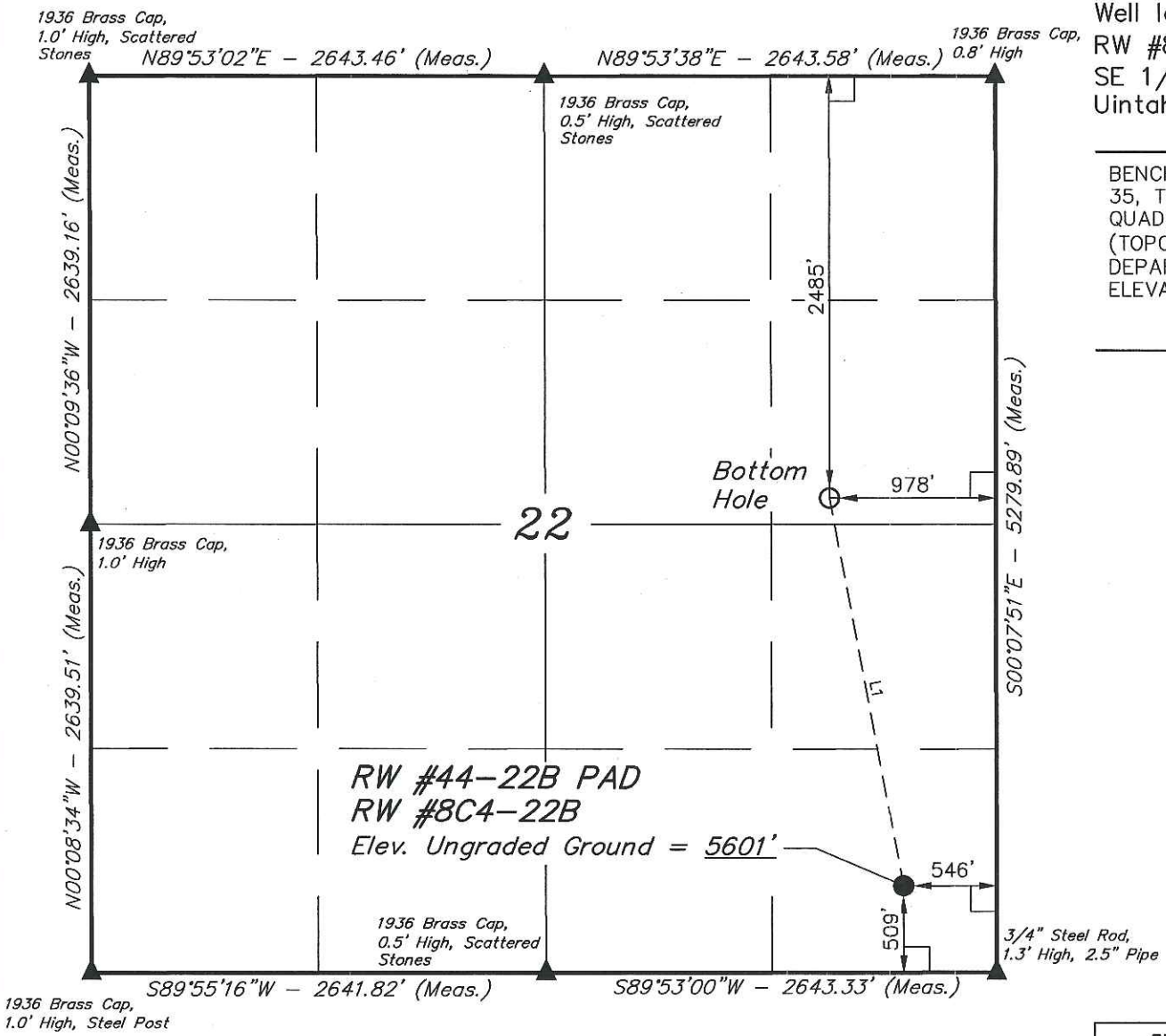
**SIGNATURE** | **DATE** 04/23/2012 | **EMAIL** Valyn.Davis@qepres.com

**API NUMBER ASSIGNED**
43047525270000

**APPROVAL**

Permit Manager

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




## QEP ENERGY COMPANY

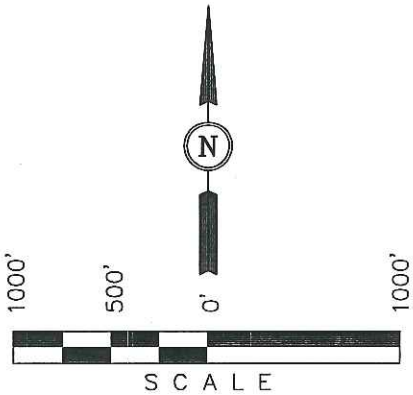
Well location, RW #44-22B PAD, Well Name RW #8C4-22B, located as shown in the SE 1/4 SE 1/4 of Section 22, T7S, R23E, S.L.B.&M., Uintah County, Utah.

### 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.




### 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.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

01-18-12

| LINE TABLE | | |
|---|---|---|
| LINE | BEARING | LENGTH |
| L1 | N10°49'20"W | 2327.35' |

LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

| NAD 83 (TARGET BOTTOM HOLE) | NAD 83 (SURFACE LOCATION) |
|---|---|
| LATITUDE = 40°11'43.66" (40.195461) | LATITUDE = 40°11'21.07" (40.189186) |
| LONGITUDE = 109°18'26.16" (109.307267) | LONGITUDE = 109°18'20.60" (109.305722) |
| NAD 27 (TARGET BOTTOM HOLE) | NAD 27 (SURFACE LOCATION) |
| LATITUDE = 40°11'43.79" (40.195497) | LATITUDE = 40°11'21.20" (40.189222) |
| LONGITUDE = 109°18'23.71" (109.306586) | LONGITUDE = 109°18'18.14" (109.305039) |
| STATE PLANE NAD 83 UTAH CENTRAL | STATE PLANE NAD 83 UTAH CENTRAL |
| N: 7247430.140 E: 2252872.700 | N: 7245155.288 E: 2253360.696 |

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

| SCALE | DATE SURVEYED: | DATE DRAWN: |
|---|---|---|
| 1" = 1000' | 10-03-11 | 01-11-12 |
| PARTY: A.F. C.A.G. | REFERENCES: G.L.O. PLAT | |
| WEATHER: WARM | FILE: QEP ENERGY COMPANY | |