

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

FORM 3

AMENDED REPORT

| | | | | | | | | | | | | | |
|--|-----------|------------------|---|--|----------------|--|--------------|------------------------------|-------|--------|--|----------|--|
| APPLICATION FOR PERMIT TO DRILL | | | | | | 1. WELL NAME and NUMBER DS 14G-6-10-18 | | | | | | | |
| 2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/> | | | | | | 3. FIELD OR WILDCAT UTELAND BUTTE | | | | | | | |
| 4. TYPE OF WELL Oil Well Coalbed Methane Well: NO | | | | | | 5. UNIT or COMMUNITIZATION AGREEMENT NAME NEMO (GR) | | | | | | | |
| 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) UTU88069 | | | 11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/> | | | 12. SURFACE OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/> | | | | | | | |
| 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 <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/> | | | 19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input checked="" type="checkbox"/> | | | | | | | |
| 20. LOCATION OF WELL | | FOOTAGES | | QTR-QTR | | SECTION | | TOWNSHIP | | RANGE | | MERIDIAN | |
| LOCATION AT SURFACE | | 863 FSL 1725 FWL | | SESW | | 6 | | 10.0 S | | 18.0 E | | S | |
| Top of Uppermost Producing Zone | | 863 FSL 1725 FWL | | SESW | | 6 | | 10.0 S | | 18.0 E | | S | |
| At Total Depth | | 1320 FSL 860 FWL | | SWSW | | 7 | | 10.0 S | | 18.0 E | | S | |
| 21. COUNTY UINTAH | | | 22. DISTANCE TO NEAREST LEASE LINE (Feet) 860 | | | 23. NUMBER OF ACRES IN DRILLING UNIT 40 | | | | | | | |
| 27. ELEVATION - GROUND LEVEL 5365 | | | 25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 3200 | | | 26. PROPOSED DEPTH MD: 9870 TVD: 5004 | | | | | | | |
| 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 - 450 | 36.0 | J-55 ST&C | 0.0 | Rockies Lite | 170 | 1.81 | 13.5 | | | |
| PROD | 8.75 | 7 | 0 - 4600 | 26.0 | N-80 LT&C | 9.0 | 50/50 Poz | 866 | 1.24 | 14.35 | | | |
| ATTACHMENTS | | | | | | | | | | | | | |
| VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES | | | | | | | | | | | | | |
| <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 | | | | | | | |
| NAME Valyn Davis | | | | TITLE Regulatory Affairs Analyst | | | | PHONE 435 781-4369 | | | | | |
| SIGNATURE | | | | DATE 08/20/2012 | | | | EMAIL Valyn.Davis@qepres.com | | | | | |
| API NUMBER ASSIGNED 43047530230000 | | | | APPROVAL  Permit Manager | | | | | | | | | |

QEP Energy Company

DS 14G6-10-18

Summarized New Drill C-Lime Horizontal Procedure

1. MIRU drilling rig.
2. Drill 12-3/4" hole to 450'.
3. RIH with 9-5/8" 36# J-55 casing to bottom.
4. Cement casing.
5. NU rig's 3,000 WP rated BOP.
6. Drill vertically to 4,600'.
7. RIH with 7" 26# N-80.
8. Cement casing.
9. Drill out cement and drill to KOP of 4,696'.
10. Build curve per directional plan to land in the Uteland Butte "C" Lime.
11. Drill ~4,478' of lateral in the Uteland Butte A Sand at ~190° azimuth, following formation dip.
 - a. Mud system to be water based. Weights are expected to be in the 8.8 – 9.8 ppg range.
12. PU 4 1/2" liner with slotted joints and run to TD.
 - a. Land liner top at 4,500', 100' above the 7" casing shoe.
 - b. Bottom of liner will be 30' of bottom.
13. Set RBP at 2,000'
14. ND BOP's.
15. RDMOL.

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ONSHORE OIL & GAS ORDER NO. 1
 QEP ENERGY COMPANY
 DS 14G6-10-18

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:

*This is a horizontal welll:

| <u>Formation</u> | <u>Depth, TVD</u> | <u>Depth, MD</u> |
|----------------------|-------------------|------------------|
| Green River | 1,100' | 1,100' |
| Kick Off Point | 4,696' | 4,696' |
| Uteland Butte C Lime | 5,171' | 5,392' |
| TD | 5,004' | 9,870' |

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

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

| <u>Substance</u> | <u>Formation</u> | <u>Depth, TVD</u> | <u>Depth, MD</u> |
|------------------|----------------------|-------------------|------------------|
| Oil/Gas | Uteland Butte C Lime | 5,171 – 5,178' | 5,392' – 9,870' |

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 A49-251 (which was filed on May 7, 1964) or Red Wash water right # 49-2153 (which was filed on March 25, 1960). It was determined by the Fish and Wildlife Service that any water right number filed before 1989 is not depleting to the Upper Colorado River System, to supply fresh water for drilling purposes. All water resulting from drilling operations will be disposed of at Red Wash Central Battery Disposal site; SWSE, Section 27, T7S, R23E or Wonsits Valley Disposal Site; SWNW, Section 12, T8S, R21E.

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QEP ENERGY COMPANY
DS 14G6-10-18

3. Operator's Specification for Pressure Control Equipment

- A. 3,000 psi double gate, 3,000 psi annular (schematic attached)
- B. Function test daily.
- C. All casing strings shall be pressure tested (0.22 psi/ft or 1,500 psi, whichever is greater) prior to drilling the plug after cementing; test pressure shall not exceed the internal yield of the casing.
- D. Ram type preventers and associated equipment shall be tested to rated working pressure if isolated by a test plug or to 50% of the internal yield pressure of casing, whichever is less. BOP and related equipment shall meet the minimum requirements of Onshore Oil & Gas Order No. 2 for equipment and testing requirements, procedures, etc..., for a 3M system and individual components shall be operable as designed.

4. Casing Program

| Hole Size | Casing Size | Top, MD | Bottom, MD | Weight, lb/ft | Grade | Thread | Condition | MW |
|-----------|-------------|---------|------------|---------------|-------|--------|-----------|---------|
| 17 1/2" | 14" | sfc | 40' | Steel | Cond. | None | Used | Air |
| 12 1/4" | 9 5/8" | sfc | 450' | 36.0 | J-55 | STC | New | Air |
| 8 3/4" | 7" | sfc | 4,600' | 26.0 | N-80 | LTC | New | 8-9 ppg |

| Casing Strengths: | | | | Collapse | Burst | Tensile (minimum) |
|-------------------|----------|------|-----|-----------|-----------|-------------------|
| 9 5/8" | 36.0 lb. | J-55 | STC | 2,020 psi | 3,520 psi | 394,000 lb. |
| 7" | 26.0 lb. | N-80 | LTC | 5,410 psi | 7,240 psi | 519,000 lb. |

The lateral will be lined with casing and slotted liner.

Lateral:

| Hole Size | Casing Size | Top, MD | Bottom, MD | Weight | Grade | MW |
|-----------|-------------|---------|------------|--------|-------|------------|
| 6 1/8" | 4 1/2" | 4,500' | 9,839' | 11.6 | N-80 | 8 - 10 ppg |

| Casing Strengths: | | | | Collapse | Burst | Tensile (minimum) |
|-------------------|----------|------|-----|-----------|-----------|-------------------|
| 4 1/2" | 11.6 lb. | N-80 | LTC | 6,350 psi | 7,780 psi | 223,000 lb. |

Please refer to the attached wellbore diagram for further details.

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QEP ENERGY COMPANY
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5. Cementing Program

20" Conductor:

Cement to surface with construction cement.

9-5/8" Surface Casing: sfc – 450' (MD)

Lead/Tail Slurry: 0' – 450'. 170 sks (310 cu ft) Rockies LT cement + 0.25 lb/sk Kwik Seal + 0.125 lb/sk Poly-E-Flake. Slurry wt: 13.5 ppg, Slurry yield: 1.81 ft³/sk, Slurry volume: 12-1/4" hole + 100% excess.

7" Intermediate Casing: sfc – 4,600' (MD)

Lead/Tail Slurry: sfc – 4,180'. 866 sks (1,074 cu ft) 50/50 Poz Premium + 0.6% Halad (R)-322 fluid loss + 2.0% Microbond M expander + 5% salt + 0.125 lb/sk Poly-E-Flake. Slurry wt: 14.35 ppg, Slurry yield: 1.24 ft³/sk, Slurry volume: 8-3/4" hole + 40% excess.

SSW Lateral: 5,392' – 9,870'

No cement, liner hung in open hole.

6. Auxilliary Equipment

- a. Kelly Cock – Yes
- b. Float at the bit – No
- c. Monitoring equipment on the mud system – visually and/or PVT or Flow Show
- d. Fully opening safety valve on the rig floor – Yes
- e. Rotating Head – Yes

Drilling the 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 less than 500 feet and high pressures are not expected.

- f. **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.
- g. **Blooiie line discharge 100' from well bore and securely anchored.** The blooiie line discharge for this operation will be located 50 to 70 feet from the

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wellhead. This reduced length is necessary due to the smaller location size to minimize surface disturbance.

- h. **Automatic ignitor or continuous pilot light on the blooie line.** A diffuser will be used rather than an automatic pilot/ignitor. Water is injected into the compressed air and eliminates the need for the pilot light and the need for dust suppression equipment.
- i. **Compressors located in the opposite direction from the blooie line a minimum of 100 feet from the well bore.** Compressors located 50 feet on the opposite side of the well bore from the blooie line and is equipped with a 1) emergency kill switch on the driller's console, 2) pressure relief valve on the compressor, 3) spark arrestors on the motors.

Drilling of the laterals will be done with fresh water NaCl based mud systems consisting primarily of fresh water, bentonite, lignite, caustic, lime, soda ash, polymers, and NaCl. No chromates will be used. It is not intended to use oil in the mud, however, in the event it is used the concentration will be less than 4% by volume. Maximum anticipated mud weight is 10.0 ppg.

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

PVT/Flow show will be used upon exit of surface casing to TD.

Gas detector will be used upon exit of surface casing to TD.

7. **Testing, Logging, and Coring Program**

- a. Cores – None Anticipated
- b. DST – None Anticipated
- c. Logging:
 - i. Mud logging from casing exit to TD
 - ii. MWD-GR will be utilized during drilling operations to aid in landing the curve and maintaining the laterals within the desired zone.
- d. Formation and completion interval: G1 Lime interval, final determination of completion will be made by analysis of mud logging data. Stimulation: stimulation will be designed for the particular area of interest encountered.

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

No abnormal temperatures or pressures are anticipated. No H₂S has been encountered or is known to exist from previous wells drilled to similar depths in the general area. Maximum anticipated bottom-hole pressure equals approximately 3,500 psi. Maximum anticipated bottom hole temperature is approximately 150°F.

DS 14G6-10-18

Updated 08-07-2012 CRA

Proposed WBD

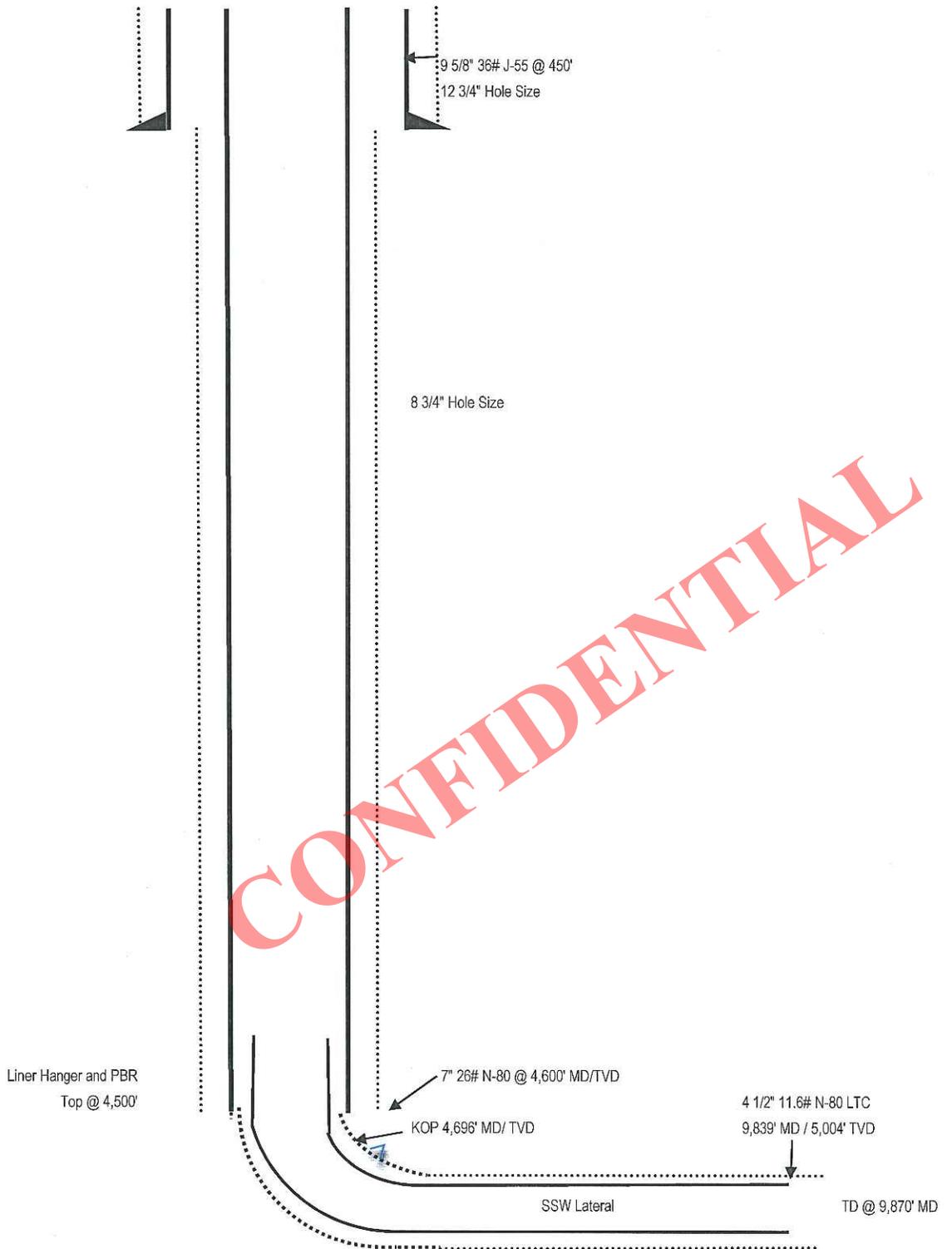
Uinta Basin

Sec 6-T10S-R18E, Uintah County, UT

KB 5,379'

GL 5,363'

NOTE: NOT TO SCALE





QEP Energy Company

QEP ENERGY (UT)

Desert Springs

DS 14G6-10-18

DS 14G6-10-18

Original Hole

Plan: Plan ver.0

Standard Planning Report

24 July, 2012

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QEP Energy Company



QEP Resources, Inc.
Planning Report



| | | | |
|-----------|-----------------|------------------------------|-------------------------------|
| Database: | EDMDB_QEP | Local Co-ordinate Reference: | Well DS 14G6-10-18 |
| Company: | QEP ENERGY (UT) | TVD Reference: | RKB @ 5377.00usft (AZTEC 781) |
| Project: | Desert Springs | MD Reference: | RKB @ 5377.00usft (AZTEC 781) |
| Site: | DS 14G6-10-18 | North Reference: | True |
| Well: | DS 14G6-10-18 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Original Hole | | |
| Design: | Plan ver.0 | | |

| | | | |
|-------------|---------------------------|---------------|-----------------------------|
| Project | Desert Springs, Uinta, UT | | |
| Map System: | US State Plane 1983 | System Datum: | Mean Sea Level |
| Geo Datum: | North American Datum 1983 | | |
| Map Zone: | Utah Central Zone | | Using geodetic scale factor |

| | | | | | |
|-----------------------|---------------|--------------|--------------------|-------------------|-------------|
| Site | DS 14G6-10-18 | | | | |
| Site Position: | | Northing: | 7,160,912.480 usft | Latitude: | 39.968081 |
| From: | Lat/Long | Easting: | 2,077,769.518 usft | Longitude: | -109.939428 |
| Position Uncertainty: | 0.00 usft | Slot Radius: | 13-3/16 " | Grid Convergence: | 1.00 ° |

| | | | | | | |
|----------------------|---------------|------------|---------------------|--------------------|---------------|---------------|
| Well | DS 14G6-10-18 | | | | | |
| Well Position | +N-S | -0.02 usft | Northing: | 7,160,912.463 usft | Latitude: | 39.968081 |
| | +E-W | 0.00 usft | Easting: | 2,077,769.518 usft | Longitude: | -109.939428 |
| Position Uncertainty | | 0.00 usft | Wellhead Elevation: | 5,363.00 usft | Ground Level: | 5,363.00 usft |

| | | | | | |
|-----------|---------------|-------------|-----------------|---------------|---------------------|
| Wellbore | Original Hole | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2010 | 7/10/2012 | 11.11 | 65.73 | 52,141 |

| | | | | |
|-------------------|-------------------------|-------------|---------------|---------------|
| Design | Plan ver.0 | | | |
| Audit Notes: | | | | |
| Version: | Phase: | PLAN | Tie On Depth: | 0.00 |
| Vertical Section: | Depth From (TVD) (usft) | +N-S (usft) | +E-W (usft) | Direction (°) |
| | 0.00 | 0.00 | 0.00 | 190.09 |

| 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 | |
| 4,696.38 | 0.00 | 0.00 | 4,696.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5,464.71 | 92.20 | 190.09 | 5,173.49 | -488.12 | -86.88 | 12.00 | 12.00 | 0.00 | 190.09 | |
| 9,869.61 | 92.20 | 190.09 | 5,004.40 | -4,821.67 | -858.17 | 0.00 | 0.00 | 0.00 | 0.00 | DS 14G6-10-18 |

| 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 |
| 4,696.38 | 0.00 | 0.00 | 4,696.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5,464.71 | 92.20 | 190.09 | 5,173.49 | -488.12 | -86.88 | 495.79 | 12.00 | 12.00 | 0.00 |
| 9,869.61 | 92.20 | 190.09 | 5,004.40 | -4,821.67 | -858.17 | 4,897.44 | 0.00 | 0.00 | 0.00 |



QEP Resources, Inc.
Planning Report



| | | | |
|-----------|-----------------|------------------------------|-------------------------------|
| Database: | EDMDB_QEP | Local Co-ordinate Reference: | Well DS 14G6-10-18 |
| Company: | QEP ENERGY (UT) | TVD Reference: | RKB @ 5377.00usft (AZTEC 781) |
| Project: | Desert Springs | MD Reference: | RKB @ 5377.00usft (AZTEC 781) |
| Site: | DS 14G6-10-18 | North Reference: | True |
| Well: | DS 14G6-10-18 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Original Hole | | |
| Design: | Plan ver.0 | | |

| Design 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 | | | | | | | | | |
| DS 14G6-10-18 | 0.00 | 0.00 | 5,004.40 | -4,821.67 | -858.17 | 7,156,077.034 | 2,076,995.673 | 39.954845 | -109.942489 |
| - plan hits target center | | | | | | | | | |
| - Point | | | | | | | | | |

| Casing Points | | | | | | |
|----------------|----------------|--------|------|-----------------|---------------|--|
| Measured Depth | Vertical Depth | | Name | Casing Diameter | Hole Diameter | |
| (usft) | (usft) | | | (") | (") | |
| 450.00 | 450.00 | 9 5/8" | | 9-5/8 | 12-1/4 | |
| 4,610.00 | 4,610.00 | 7" | | 7 | 8-3/4 | |

| Formations | | | | | | |
|----------------|----------------|----------------------|-----------|------|---------------|--|
| Measured Depth | Vertical Depth | Name | Lithology | Dip | Dip Direction | |
| (usft) | (usft) | | | (°) | (°) | |
| 1,103.00 | 1,103.00 | Green River fm | | 0.00 | | |
| 2,923.00 | 2,923.00 | Garden Gulch mbr | | 0.00 | | |
| 5,044.33 | 5,014.34 | Uteland Butte Member | | 2.20 | 10.09 | |
| 5,391.93 | 5,170.74 | C Lime top | | 2.20 | 10.09 | |
| 5,426.36 | 5,173.43 | C Lime top porosity | | 2.20 | 10.09 | |

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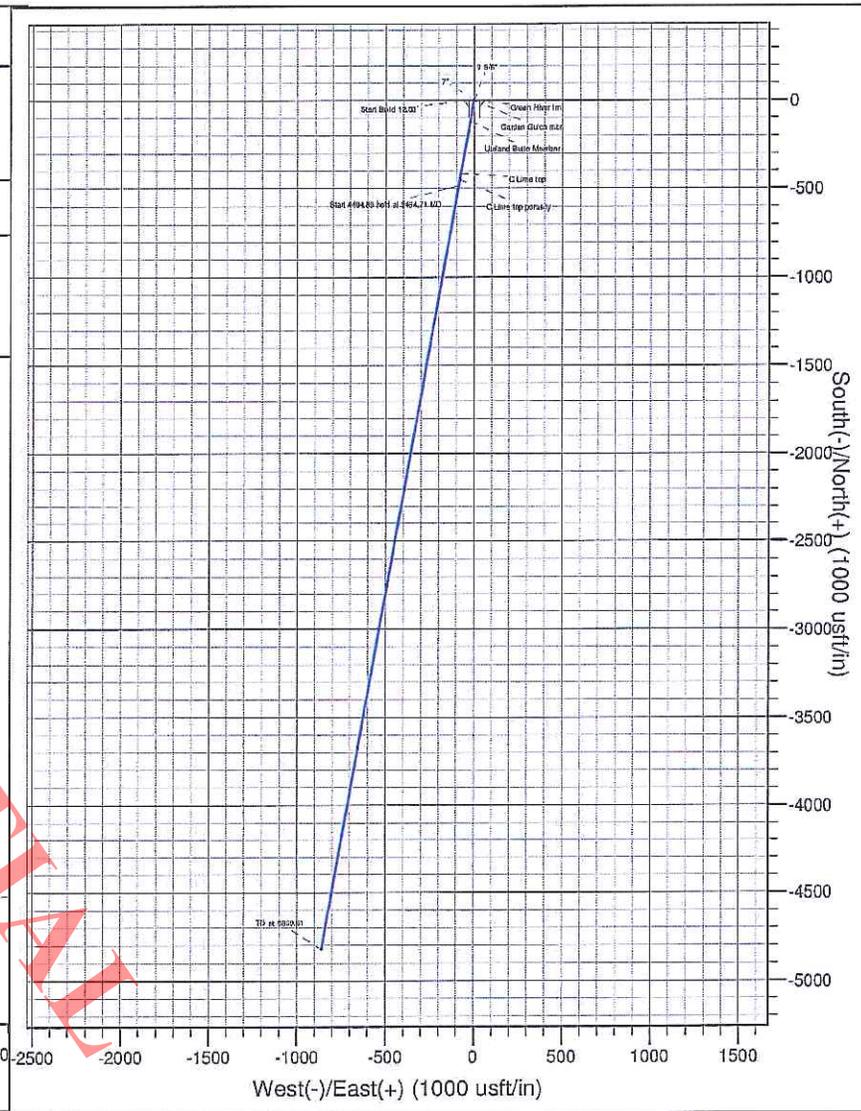
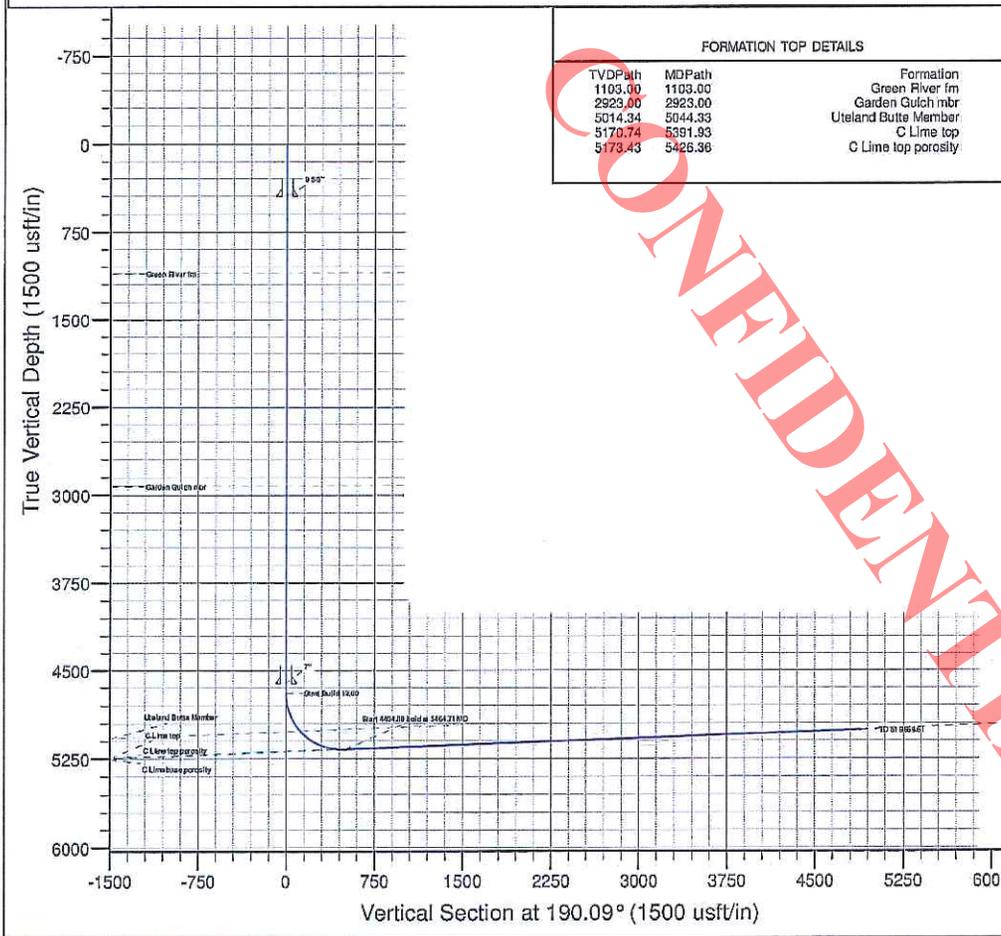


Company Name: QEP ENERGY (UT)

| | | |
|--|--|--|
| | Azimuth to True North Magnetic North: 11.11° | Project: Desert Springs Site: DS 14G6-10-18 |
| | Magnetic Field Strength: 52141.2mT Dip Angle: 65.73° Date: 2/10/2012 Model: IGRF2010 | Wellbore: Original Hole Design: Plan ver.0 |
| | Geodetic System: US State Plane 1983 Datum: North American Datum 1983 | |
| | Ellipsoid: GRS 1980 Zone: Utah Central Zone System Datum: Mean Sea Level | |

| WELL DETAILS: DS 14G6-10-18 Original Hole | | | | | | | REFERENCE INFORMATION | | PROJECT DETAILS: Desert Springs | |
|--|------|-------------|-------------|-----------|-------------|------|---|--|--------------------------------------|--|
| Ground Level: 5383.00 | | | | | | | Co-ordinate (N/E) Reference: Well DS 14G6-10-18, True North | | Geodetic System: US State Plane 1983 | |
| Vertical (TVD) Reference: RKB @ 5377.00ust (AZTEC 781) | | | | | | | Vertical (VS) Reference: Slot - (0.00N, 0.00E) | | Datum: North American Datum 1983 | |
| Measured Depth Reference: RKB @ 5377.00ust (AZTEC 781) | | | | | | | Calculation Method: Minimum Curvature | | Ellipsoid: GRS 1980 | |
| Zone: Utah Central Zone | | | | | | | | | System Datum: Mean Sea Level | |
| +N-S | +E/W | Northing | Easting | Latitude | Longitude | Slot | | | | |
| 0.00 | 0.00 | 7160912.463 | 2077769.518 | 39.968050 | -109.938428 | | | | | |

| SECTION DETAILS | | | | | | | | |
|-----------------|-------|--------|---------|----------|---------|-------|---------|--|
| MD | Inc | Azi | TVD | +N-S | +E/W | Dleg | Vsect | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4696.38 | 0.00 | 0.00 | 4696.38 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5464.71 | 92.20 | 190.09 | 5173.49 | -486.12 | -86.88 | 12.00 | 485.79 | |
| 9859.61 | 92.20 | 190.09 | 5004.40 | -4821.67 | -858.17 | 0.00 | 4897.44 | |



CONFIDENTIAL

API Well Number : 43047530230000

T10S, R18E, S.L.B.&M.

QEP ENERGY COMPANY

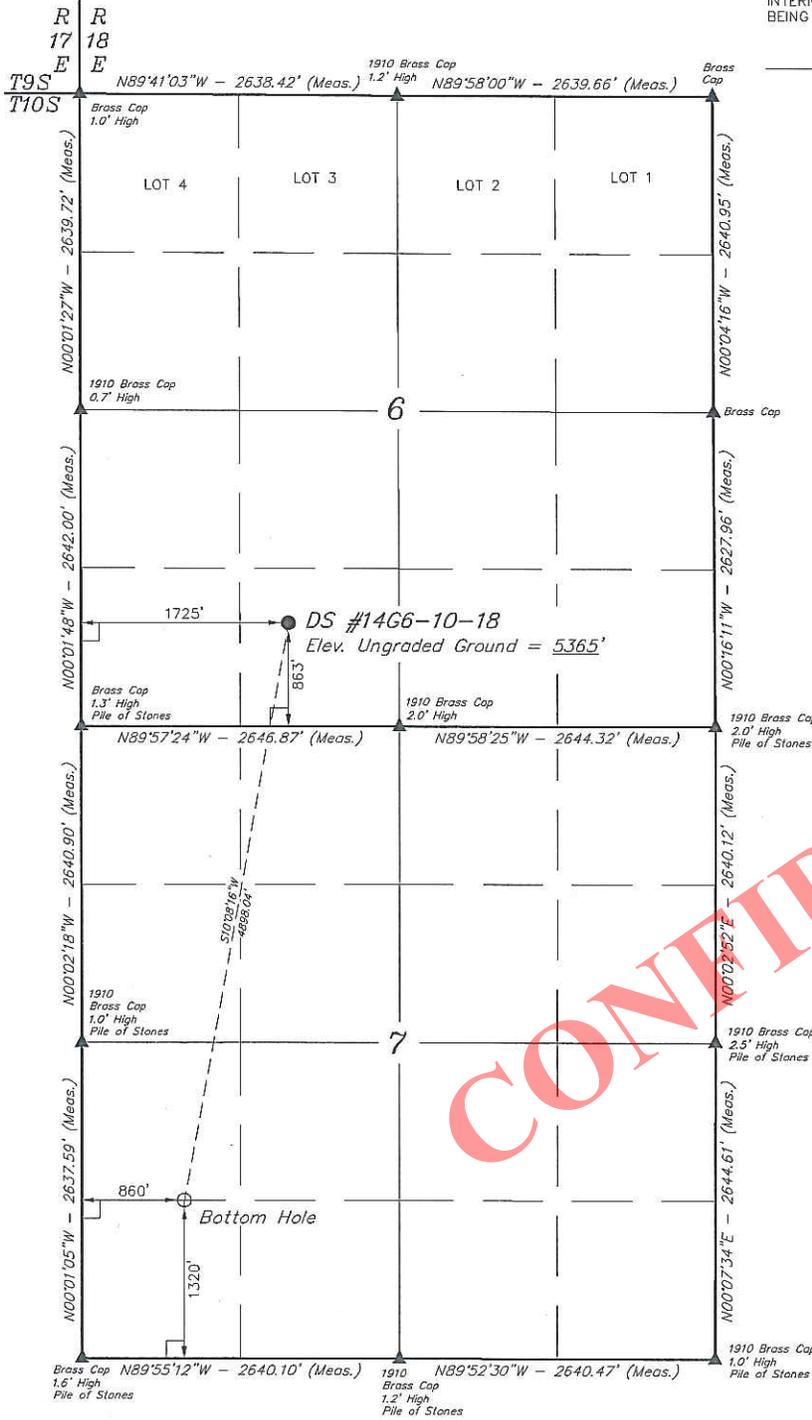
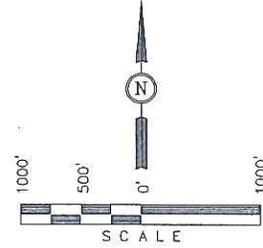
Well location, DS #14G6-10-18, located as shown in the SE 1/4 SW 1/4 of Section 6, T10S, R18E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 14, T10S, R18E, S.L.B.&M., TAKEN FROM THE MOON BOTTOM QUADRANGLE, UTAH, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5129 FEET.

BASIS OF BEARINGS

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



CONFIDENTIAL

CERTIFICATE

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

ROBERT J. KAY
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 161319
 STATE OF UTAH 05-04-12

LEGEND:

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

| | |
|--|--|
| NAD 83 (TARGET BOTTOM HOLE) LATITUDE = 39°57'17.44" (39.954644) LONGITUDE = 109°56'32.96" (109.942489) | NAD 83 (SURFACE LOCATION) LATITUDE = 39°58'05.09" (39.968091) LONGITUDE = 109°56'21.94" (109.939426) |
| NAD 27 (TARGET BOTTOM HOLE) LATITUDE = 39°57'17.57" (39.954881) LONGITUDE = 109°56'30.43" (109.941789) | NAD 27 (SURFACE LOCATION) LATITUDE = 39°58'05.22" (39.968117) LONGITUDE = 109°56'19.41" (109.938725) |

| | | |
|---|----------------------------|-------------------------|
| UTAH ENGINEERING & LAND SURVEYING 85 SOUTH 200 EAST - VERNAL, UTAH 84078 (435) 789-1017 | | |
| SCALE 1" = 1000' | DATE SURVEYED: 04-18-12 | DATE DRAWN: 04-25-12 |
| PARTY C.R. S.R. W.C.M. | REFERENCES G.L.O. PLAT | |
| WEATHER WARM | FILE QEP ENERGY COMPANY | |

QEP ENERGY COMPANY

DS #14G6-10-18

LOCATED IN UINTAH COUNTY, UTAH
SECTION 6, T10S, R18E, S.L.B. & M.

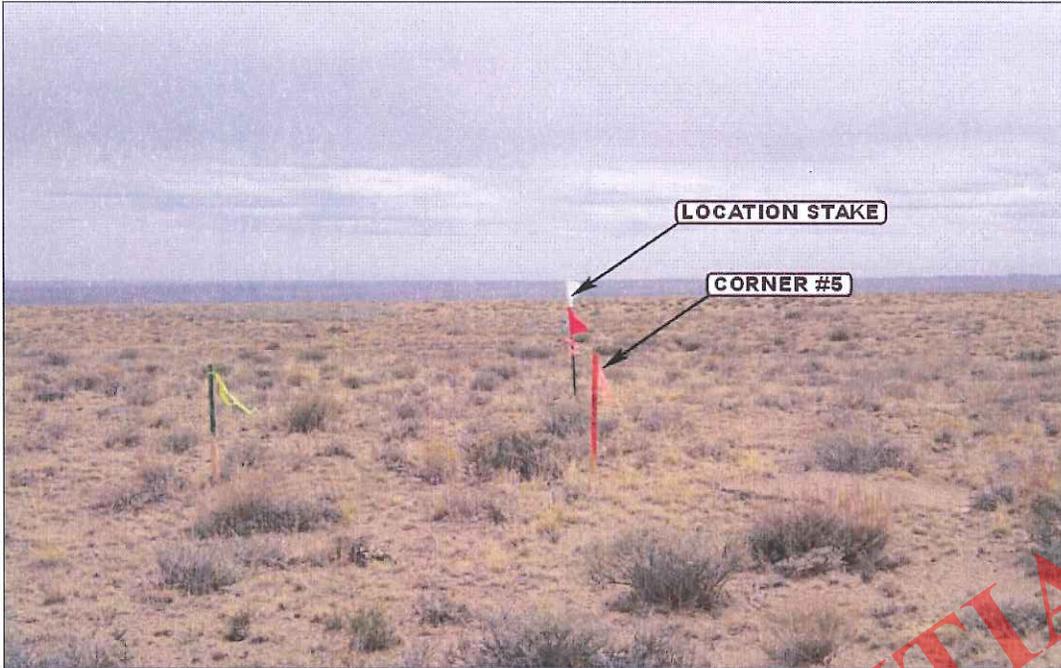


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHEASTERLY

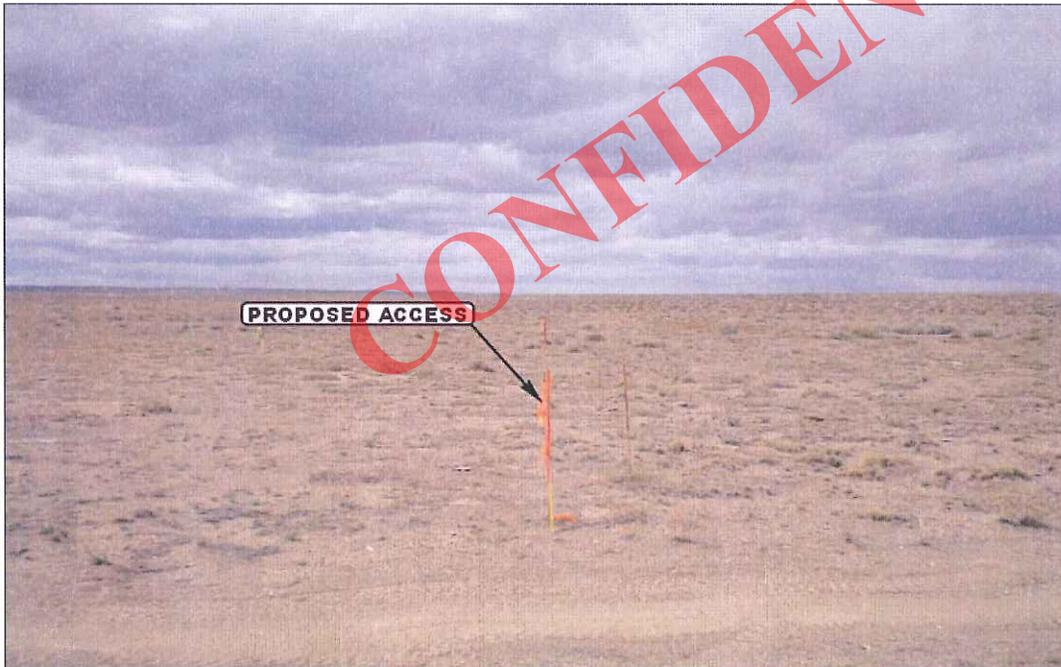


PHOTO: VIEW OF BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHWESTERLY



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

| | | | | |
|-----------------|------------------|-------------------|------|-------|
| LOCATION PHOTOS | 04 | 26 | 12 | PHOTO |
| | MONTH | DAY | YEAR | |
| TAKEN BY: C.R. | DRAWN BY: B.D.H. | REVISED: 00-00-00 | | |

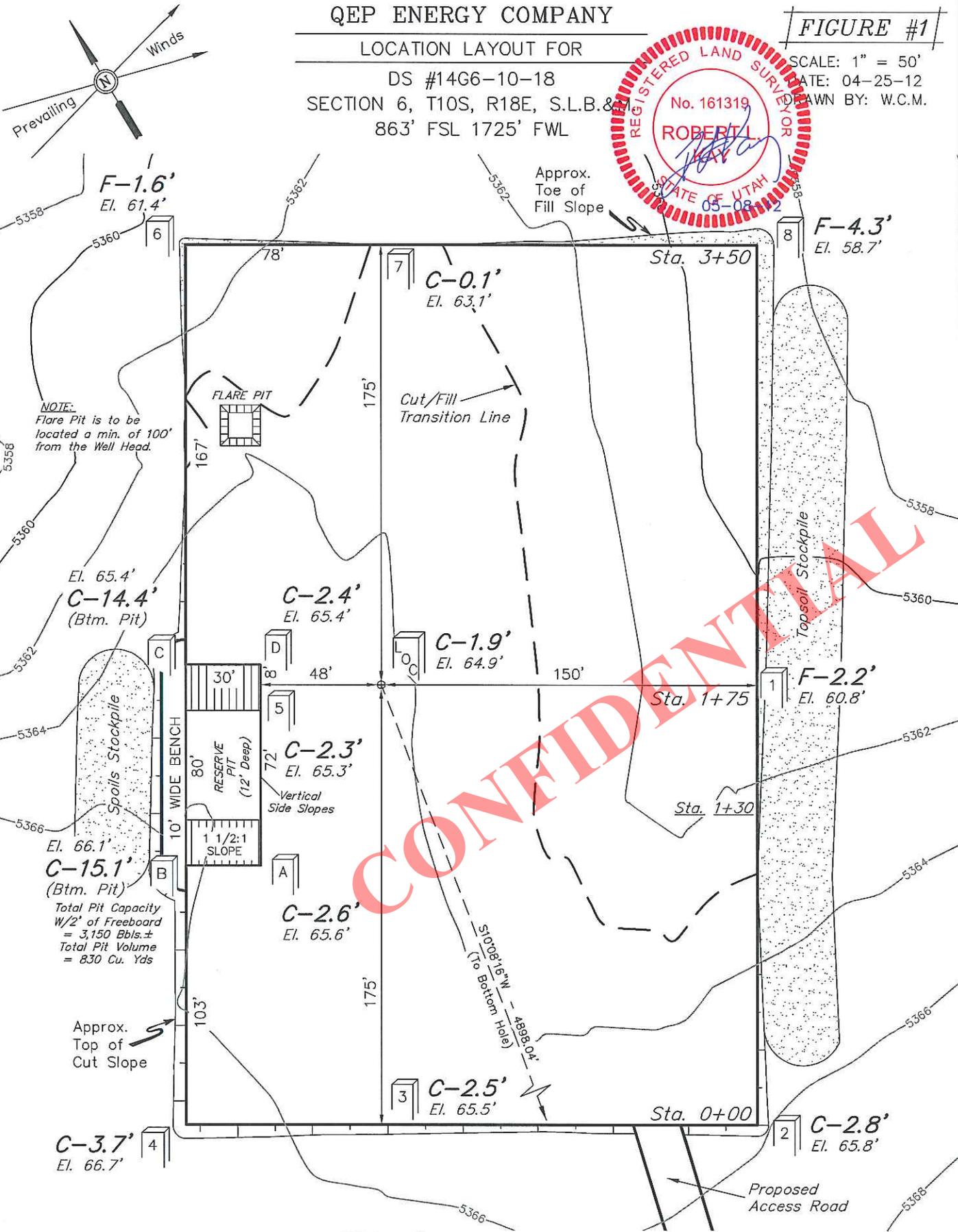
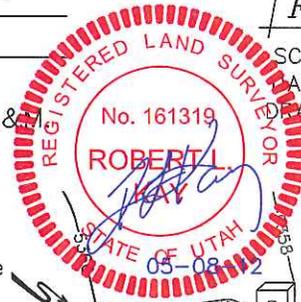
QEP ENERGY COMPANY

LOCATION LAYOUT FOR

DS #14G6-10-18
SECTION 6, T10S, R18E, S.L.B. & M
863' FSL 1725' FWL

FIGURE #1

SCALE: 1" = 50'
DATE: 04-25-12
DRAWN BY: W.C.M.



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

C-15.1'
(Btm. Pit)
Total Pit Capacity
W/2' of Freeboard
= 3,150 Bbls.±
Total Pit Volume
= 830 Cu. Yds

Elev. Ungraded Ground At Loc. Stake = **5364.9'**
FINISHED GRADE ELEV. AT LOC. STAKE = **5363.0'**

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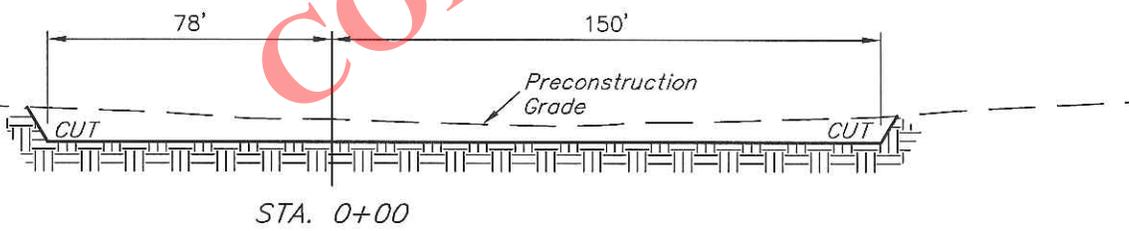
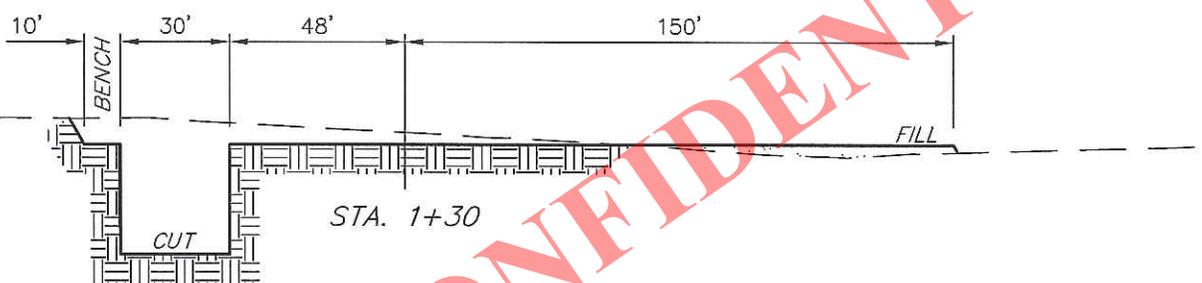
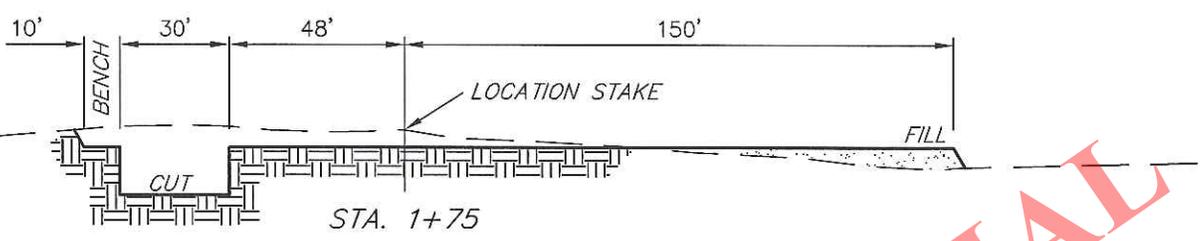
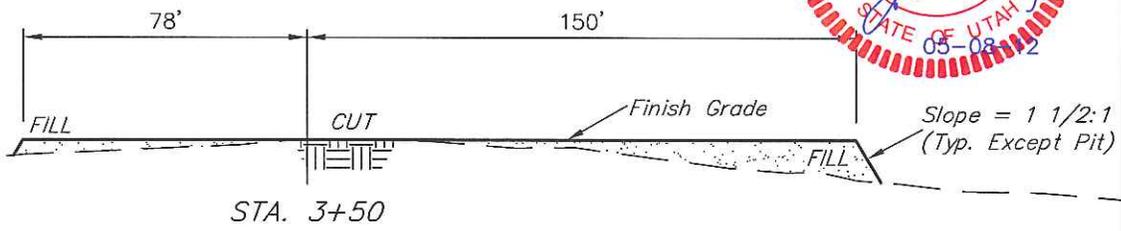
FIGURE #2

TYPICAL CROSS SECTIONS FOR

DS #14G6-10-18
SECTION 6, T10S, R18E, S.L.B.&M.
863' FSL 1725' FWL

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

DATE: 04-25-12
DRAWN BY: W.C.M.



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

APPROXIMATE ACREAGES

| | |
|-------------------------|------------------------|
| WELL SITE DISTURBANCE | = ± 2.212 ACRES |
| ACCESS ROAD DISTURBANCE | = ± 0.829 ACRES |
| PIPELINE DISTURBANCE | = ± 0.854 ACRES |
| TOTAL | = ± 3.895 ACRES |

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

| | |
|------------------------|-------------------------|
| (6") Topsoil Stripping | = 1,570 Cu. Yds. |
| Remaining Location | = 2,620 Cu. Yds. |
| TOTAL CUT | = 4,190 CU. YDS. |
| FILL | = 2,200 CU. YDS. |

| | |
|---|------------------|
| EXCESS MATERIAL | = 1,990 Cu. Yds. |
| Topsoil & Pit Backfill (1/2 Pit Vol.) | = 1,990 Cu. Yds. |
| EXCESS UNBALANCE (After Interim Rehabilitation) | = 0 Cu. Yds. |

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QEP ENERGY COMPANY

TYPICAL RIG LAYOUT FOR

DS #14G6-10-18
SECTION 6, T10S, R18E, S.L.B.&M.
863' FSL 1725' FWL

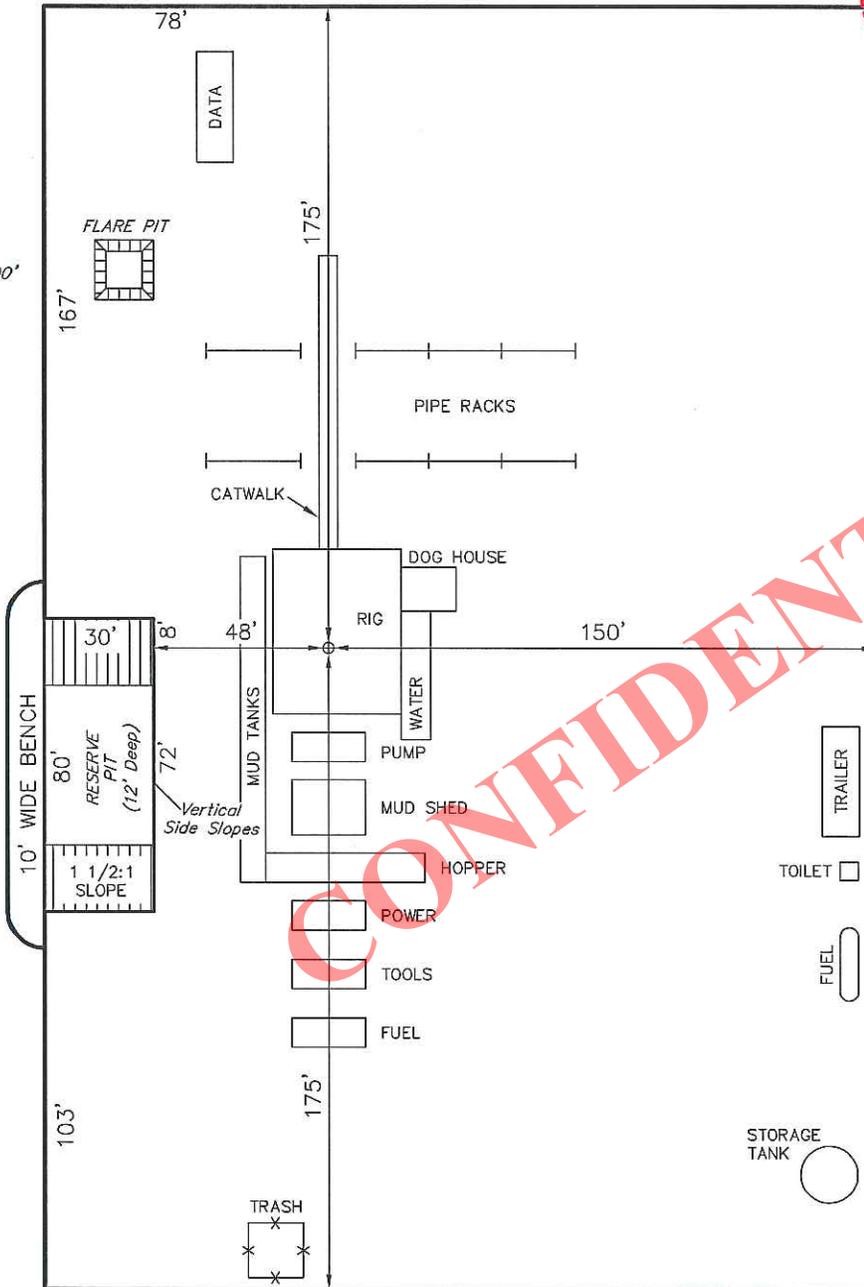
FIGURE #3

SCALE: 1" = 50'
DATE: 04-25-12
DRAWN BY: W.C.M.



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

Total Pit Capacity
W/2' of Freeboard
= 3,150 Bbls.±
Total Pit Volume
= 830 Cu. Yds



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Proposed Access Road

QEP ENERGY COMPANY

PRODUCTION FACILITY LAYOUT FOR

DS #14G6-10-18

SECTION 6, T10S, R18E, S.L.B.&M.

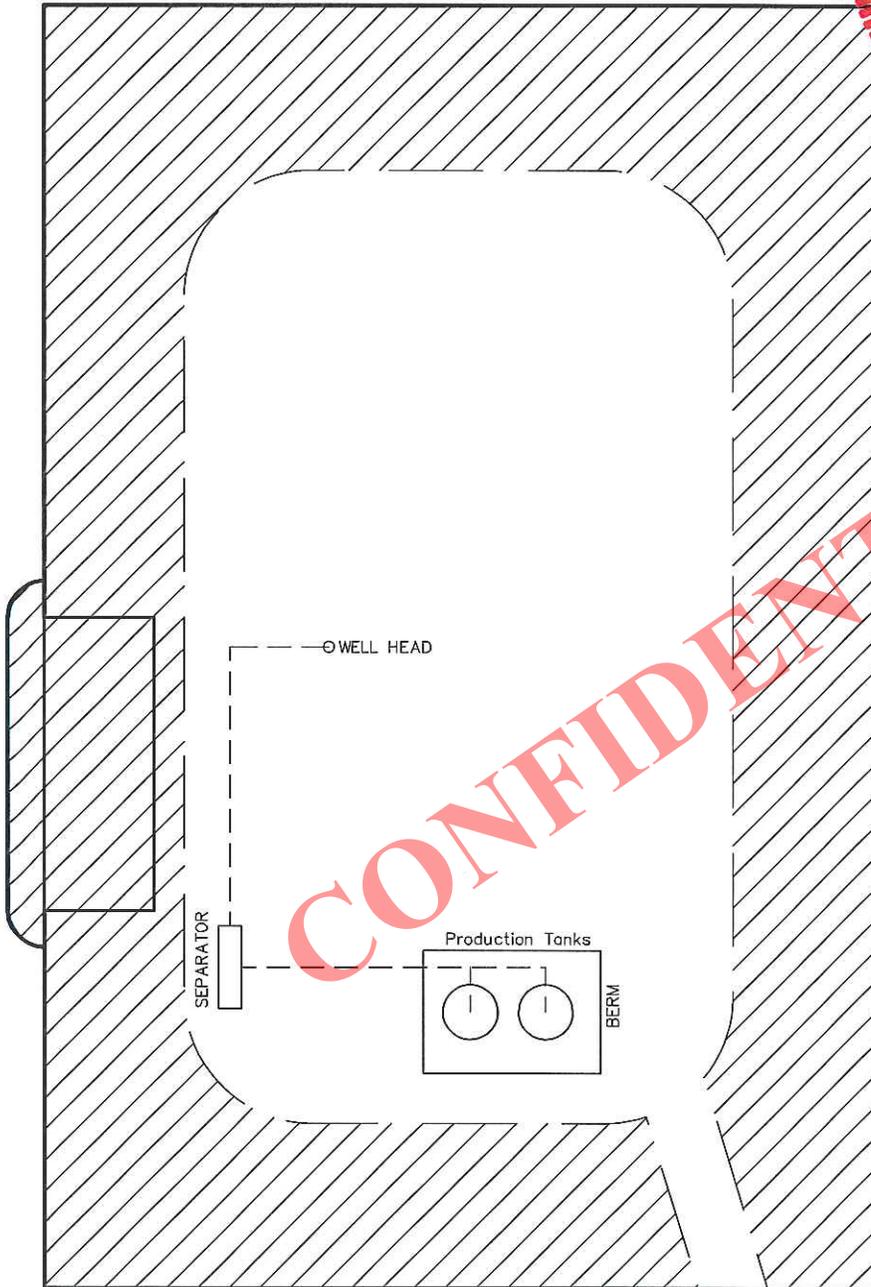
863' FSL 1725' FWL

FIGURE #4

SCALE: 1" = 50'

DATE: 04-25-12

DRAWN BY: W.C.M.



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RECLAIMED AREA

APPROXIMATE ACREAGES
UN-RECLAIMED = ± 0.893 ACRES

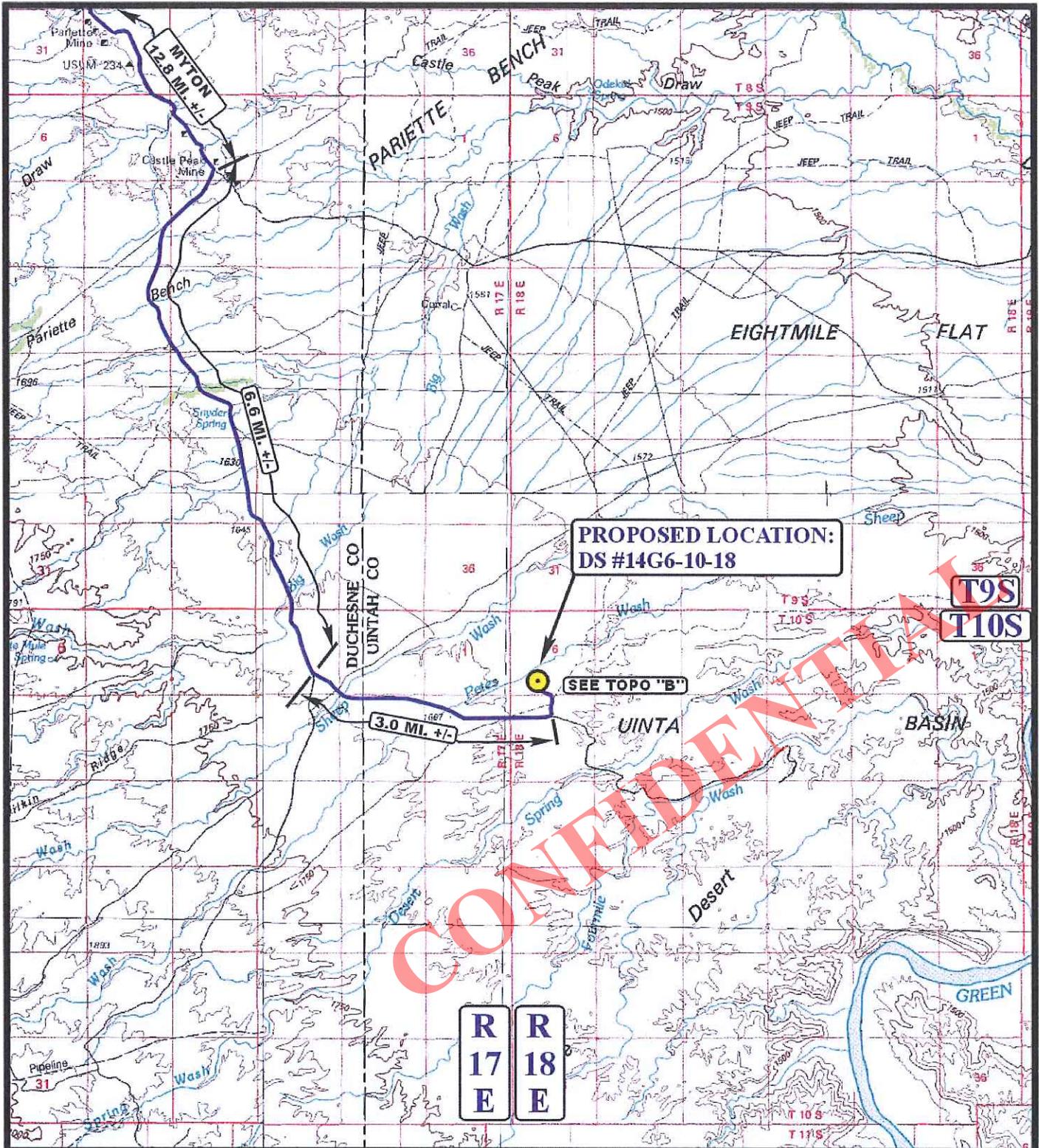
UINTAH ENGINEERING & LAND SURVEYING
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QEP ENERGY COMPANY
DS #14G6-10-18
SECTION 6, T10S, R18E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM MYTON, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 1.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 11.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 6.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 3.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE BEGINNING OF THE PROPOSED ACCESS ROAD FOR THE DS #2-G6-10-18 TO THE NORTH; FOLLOW ROAD FLAGS IN A NORTHERLY DIRECTION APPROXIMATELY 395' TO THE BEGINNING OF THE PROPOSED ACCESS ROAD TO THE NORTHWEST; FOLLOW ROAD FLAGS IN A NORTHWESTERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 1,203' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM MYTON, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 22.9 MILES.

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LEGEND:

PROPOSED LOCATION

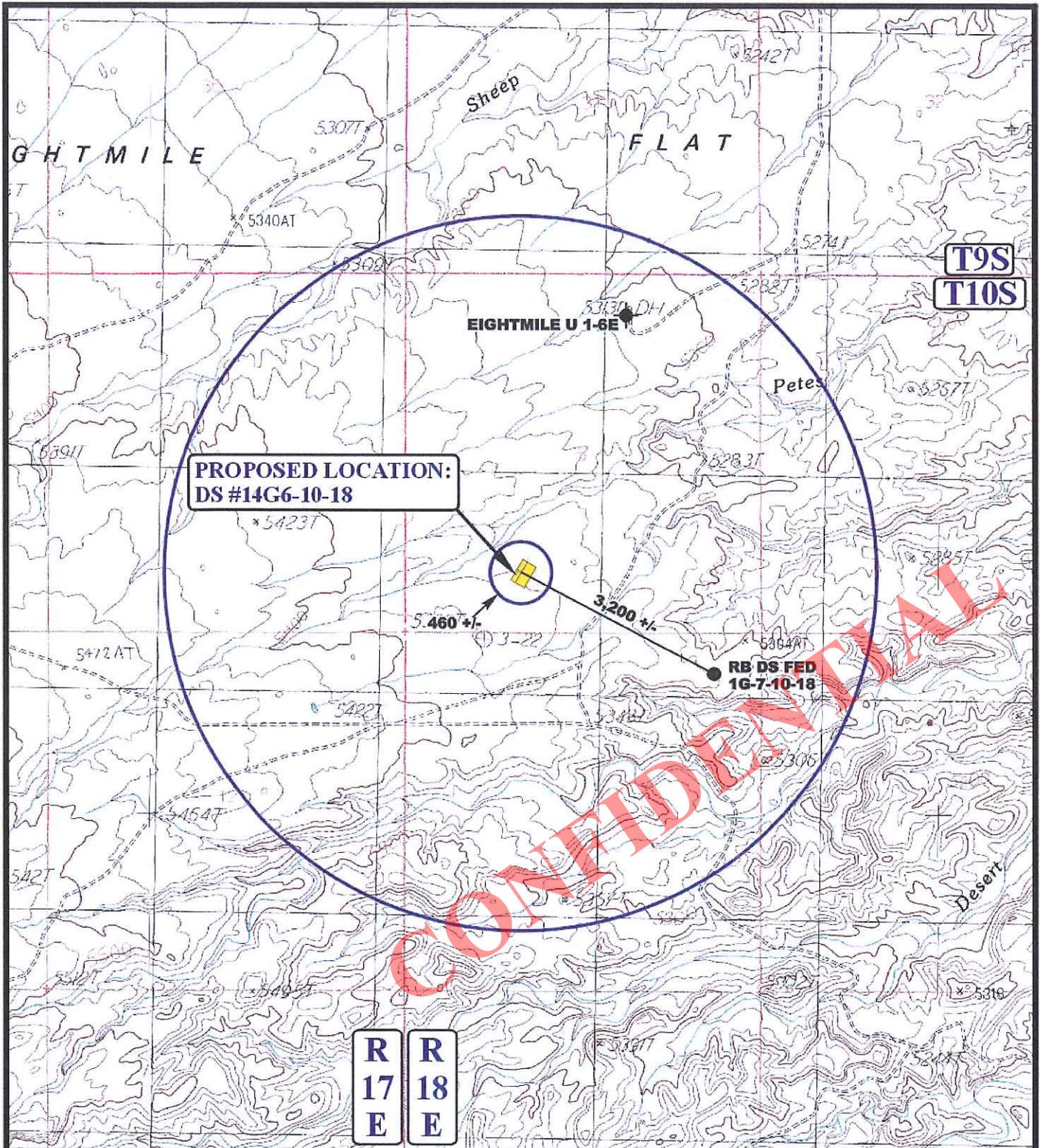


QEP ENERGY COMPANY

DS #14G6-10-18
SECTION 6, T10S, R18E, S.L.B.&M.
863' FSL 1725' FWL

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

ACCESS ROAD MAP **04 26 12**
 MONTH DAY YEAR
 SCALE: 1:100,000 DRAWN BY: B.D.H. REVISED: 00-00-00 **A TOPO**



**PROPOSED LOCATION:
DS #14G6-10-18**

EIGHTMILE U 1-6E

**RB DS FED
1G-7-10-18**

**R 17 E
R 18 E**

**T9S
T10S**

LEGEND:

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



QEP ENERGY COMPANY

**DS #14G6-10-18
SECTION 6, T10S, R18E, S.L.B.&M.
863' FSL 1725' FWL**

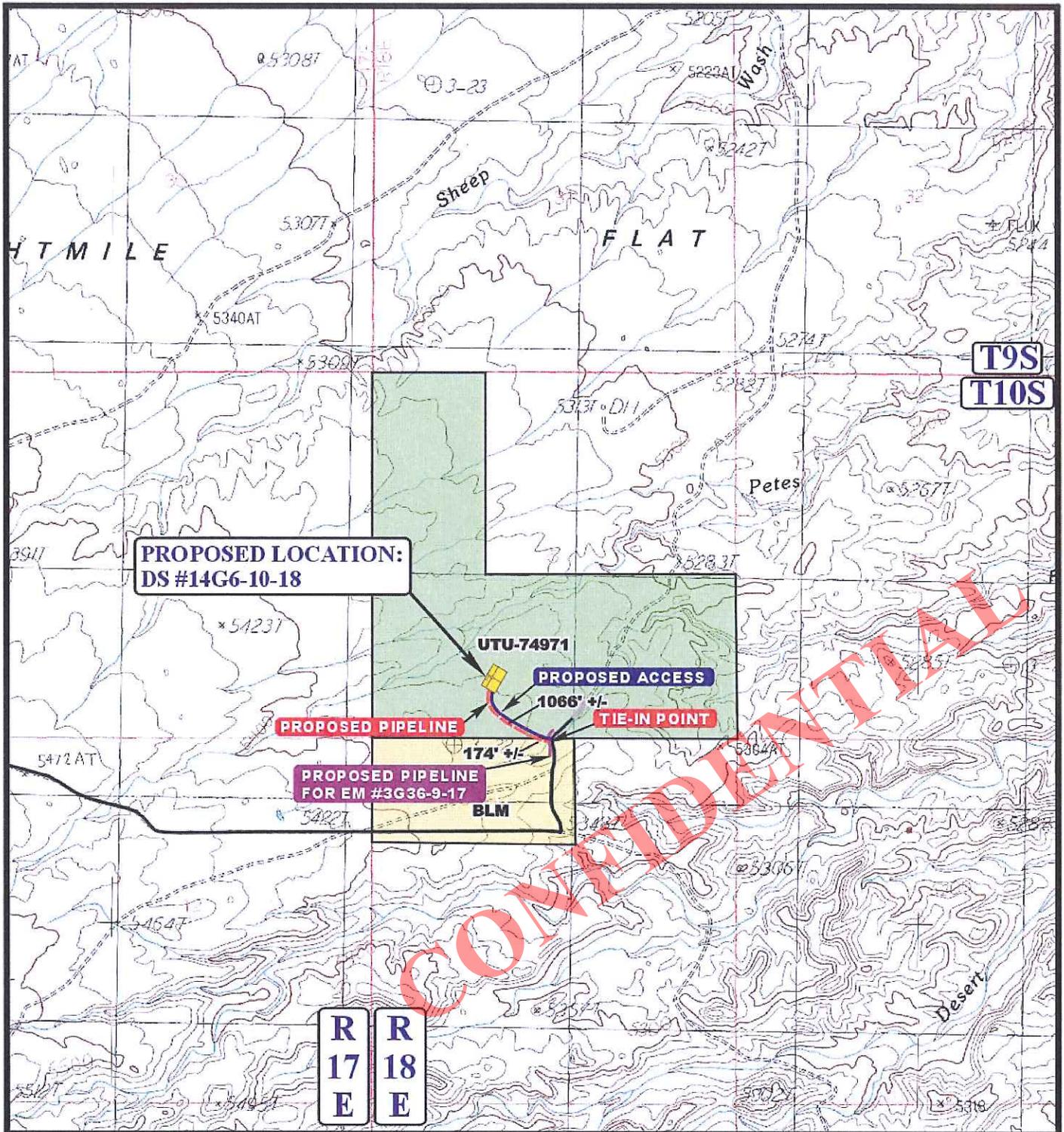


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TOPOGRAPHIC MAP 04 26 12
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: B.D.H. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 1,240' +/-

LEGEND:

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

QEP ENERGY COMPANY

**DS #14G6-10-18
SECTION 6, T10S, R18E, S.L.B.&M.
863' FSL 1725' FWL**



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



TOPOGRAPHIC MAP 04 26 12
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: B.D.H. REVISED: 00-00-00



QEP ENERGY COMPANY
REFERENCE MAP: AREA OF VEGETATION
DS #14G6-10-18
 LOCATED IN UINTAH COUNTY, UTAH
 SECTION 6, T10S, R18E, S.L.B.&M.

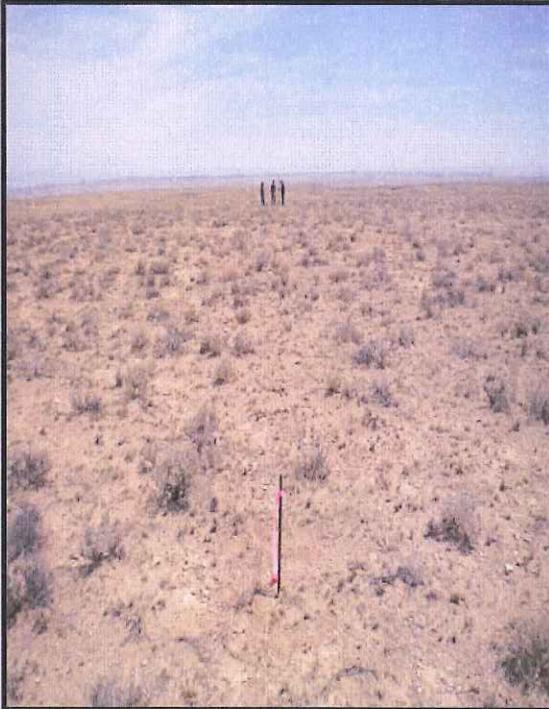


PHOTO: VIEW FROM BEGINNING OF REFERENCE AREA

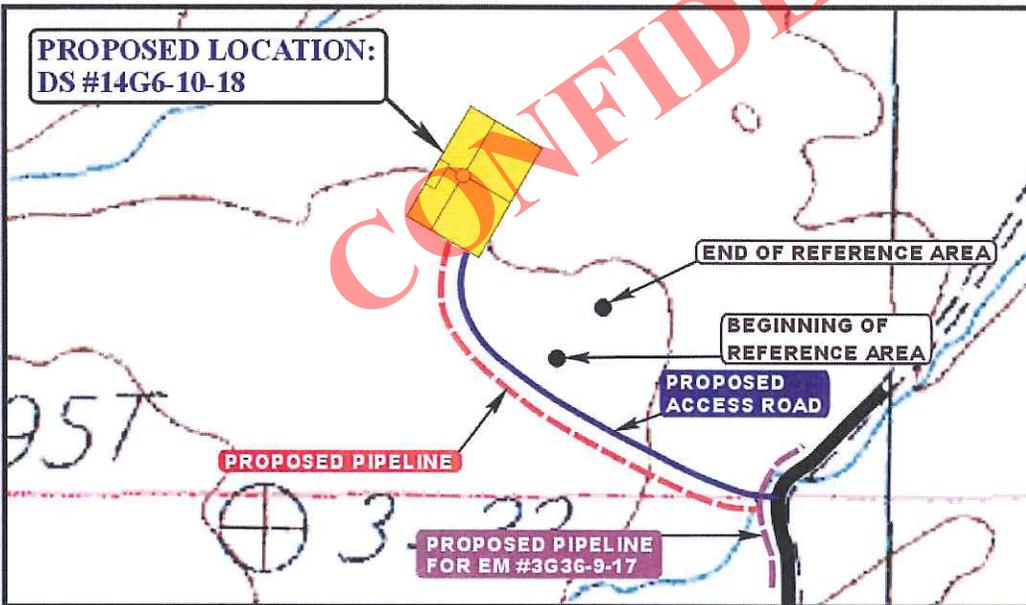
NOTE:

BEGINNING OF REFERENCE AREA

NAD 83 Z12 UTM NORTHING: 14516396.672
 NAD 83 Z12 UTM EASTING: 1937936.328
 (NAD 83) LATITUDE: 39.966753
 (NAD 83) LONGITUDE: -109.938506

END OF REFERENCE AREA

NAD 83 Z12 UTM NORTHING: 14516546.979
 NAD 83 Z12 UTM EASTING: 1937969.985
 (NAD 83) LATITUDE: 39.967161
 (NAD 83) LONGITUDE: -109.938022



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 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

| | | | | | |
|------------------|----------------|-------------------|-----|------|------|
| SCALE: 1" = 500' | | 06 | 12 | 12 | REF. |
| | | MONTH | DAY | YEAR | |
| TAKEN BY: C.R. | DRAWN BY: C.I. | REVISED: 00-00-00 | | | |

Additional Operator Remarks

QEP Energy Company proposes to drill the DS 14G-6-10-18 and drill a horizontal oil well to test the Uteland Butte Member of the Green River Formation. If productive, casing will be run and the well completed. If dry, the well be plugged and abandoned as per BLM and State of Utah requirements.

See Onshore Oil & Gas Order No. 1

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.

Information for Lateral

Surface Location

863' FSL, 1725' FWL, SESW, Section 6, T10S, R18E, Lease Number UTU-74971

Lateral 1

1320' FSL, 860' FWL, SWSW, Section 7, T10S, R18E, Lease Number UTU-88069

4821.67 Lateral Leg Length @ 190.09 Azimuth (See Attached Drilling Plans)

TD: 9,870' MD

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**QEP ENERGY COMPANY
DS 14G-6-10-18
SL: SESW, SECTION 6, T10S, R18E
BHL: SWSW, SECTION 7, T10S, R18E
UINTAH COUNTY, UT
SURFACE LEASE # UTU-74971
BHL LEASE # UTU-88069**

MULTI-POINT SURFACE USE & OPERATIONS PLAN

An onsite inspection was conducted for the DS 14G-6-10-18 on June 6, 2012. Weather conditions were chilly 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 |
| Dan Emmett | Bureau of Land Management |
| Valyn Davis | QEP Energy Company |
| Stephanie Tomkinson | QEP Energy Company |
| Amanda Taylor | QEP Energy Company |
| Ryan Angus | QEP Energy Company |
| Eric Wickersham | QEP Energy Company |
| Sam White | QEP |
| Cody Rich | Uintah Engineering & Land Surveying |

1. Existing Roads:

See attached Wellsite Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing roads.

The proposed well site is located approximately 23 miles southeast of Myton, Utah.

-See attached TOPO Map "A".

Existing roads will be upgraded, maintained and repaired as necessary.

2. Planned Access Roads:

An offlease right-of-way is not required. The entire well pad and access road are located within the Nemo Unit.

There will be a new access road approximately 1,203' in length, 30' in width, containing approximately .82 acres.

New access roads on BLM surface will be crowned (2 to 3%), ditched, and constructed with a running surface of 18 feet and a maximum disturbed width of 30 feet. Any additional disturbance required due to intersections or sharp curves will be discussed at the on-site and approved by the State.

Graveling or capping the roadbed will be performed as necessary to provide a well constructed, safe road. Surface disturbance and vehicular traffic will be limited to the approved location and access route or, as proposed by the Operator.

The road surface and shoulders will be kept in a safe and usable condition and will be maintained in accordance with the original construction standards.

If culverts are needed, the location and size of the culverts will be proposed during the on-site. The operator will clean and maintain approved culverts as needed.

All drainage ditches and culverts will be kept clear and free-flowing and will be maintained according to original construction standards.

The access road disturbed area will be kept free of trash during operations. All traffic will be confined to the approved road running surface. Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause excess siltation or accumulation of debris in the drainage nor shall the drainage be blocked by the roadbed.

Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Should mud holes develop, the holes shall be filled in and detours around the holes avoided.

When snow is removed from the road during the winter months, the snow should be pushed outside of the borrow ditches, and the turnouts kept clear so that snowmelt will be channeled away from the road.

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

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

A map will be provided with the site-specific APD showing the location of existing wells within a one mile radius.

Please refer to Topo map C.

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

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 BLM.

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

5. Location and Type of Water Supply:

Fresh water will be obtained from Wonsits Valley water right # 49-251 (which was filed on May 7, 1964,) or Red Wash water right # 49-2153 (which was filed on March 25, 1960). It was determined by the Fish and Wildlife Service that any water right number filed before 1989 is not depleting to the Upper Colorado River System, to supply fresh water for drilling purposes.

6. Source of Construction Materials:

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

Any gravel will be obtained from a commercial source.

7. Methods of Handling Waste Materials:

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 destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids.

It was determined at the on-site inspection that 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.

Disposal of Produced Water:

After first production, produced wastewater will be confined to the approved pit or storage tank for a period not to exceed 90 days. During the 90 day period, in accordance with Onshore Order # 7, all produced water will be contained in tanks on location.

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

West End Disposal located in the NESE, Section 28, T7S, R22E,
NBE 12 SWD-10-9-23 located in the NWSW, Section 10, 9S, 23E,
Lapoint Recycle & Storage located in Sec. 12, T5S, R19E, Uintah County, UT or
Western Water Solutions- Sand Pass, located in Sec. 9 &10, T4S, R1W.

Produced water, oil, and other byproducts will not be applied to roads or well pads for 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:

This will be an independent well location. Product will be contained in two 500 bbl tanks and then transported from location to delivery site.

A suitable muffler will be installed on pumping unit to help reduce noise control.

Surface gas pipelines will be constructed in accordance with the following guidance:

GAS SALES LINE: The pipeline will be unpainted steel, 4" inside diameter, welded, schedule # 20 or greater. The pipeline will be 1,240' in length, containing approximately .853 acres. The pipeline will be strung along the right-of-way and welded into place. The pipeline will tie into the proposed pipe line for the EM 3G-36-9-17 located in Sec. 36, T9S, R17E.

FUEL GAS LINE: The pipeline will be a 2" inside diameter, poly pipe with a rating of 160 psi or greater. The line will be laid adjacent to the gas sales line following the line to location.

9. Well Site Layout:

A Location Layout Diagram describing drill pad cross-sections, cuts and fills, and locations of mud tanks, reserve pits, flare pit or flare box, pipe racks, trailer parking, spoil dirt stockpile(s), and the surface material stockpile(s) will be included with the site specific APD.

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 the 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.

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. Reclamation Plan:

Reclamation will follow QEP Energy Company, Uinta Basin Division's Reclamation Plan, September 2009 (QEP Energy 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 disced 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 QEP Energy Company's Reclamation Plan. Weed control will be conducted as stated in QEP Energy Company's Reclamation Plan.

A reference site and weed data sheet have been established and are included in this application.

Please see attached Weed Data Sheet.

Dry Hole/Abandoned Location:

On lands administered by the BLM abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition.

Where applicable, these conditions may include the reestablishment of irrigation systems; reestablishment of appropriate soil conditions; and, the reestablishment of vegetation as specified.

All disturbed surfaces will be recontoured to approximate natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment.

At final abandonment, the Operator will cap the casing with a metal plate a minimum of 0.25 inch thick. The cap will be welded in place and the well location and identity will be permanently inscribed on the cap. The cap will be constructed with a weep hole. The depth of the permanent cap will be determined at the time of final abandonment. Long-term reclamation will then be applied and will follow the reclamation process described in this plan. When reclamation is deemed successful by the Operator and the BLM, the Operator will request a bond release.

12. Surface Ownership:

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

Bureau of Land Management
170 South 500 East
Vernal, UT 84078

13. Other Information:

Drilling rigs and/or equipment used during drilling operations will not be stacked or stored on Federal lands or State administered lands after the conclusion of drilling operations or at any other time without authorization by the BLM Authorized Officer. If BLM authorization is obtained, such storage is only a temporary measure.

A Class III archeological survey was conducted by Montgomery Archaeology Consultants. A copy of this report was submitted on June 29, 2012, **State of Utah Antiquities Report U-12-MQ-0514b,s** by Montgomery Archaeology Consultants. Cultural resource clearance has been recommended for this project.

A paleontological survey was conducted by Intermountain Paleo Consulting. A copy of this report was submitted on August 17, 2012, Report **No. IPC 12-82PRE** by Stephen D. Sandau. Due to the number of fossils found during this survey, it is recommended that a permitted paleontologist be present to monitor the construction process of the well pad, access road and pipeline. QEP Energy Company will provide paleo monitor for this project.

A habitat assessment and inventory was conducted in May 2012 by Bowen Collins & Associates. No Uintah Basin Hookless Cactus (*Sclerocactus wetlandicus*) populations or individuals were located during the surveys within the proposed DS

14G-6-10-18, 300' buffer zone or adjacent habitat. This proposed action should have impact towards individuals or populations of *Sclerocactus wetlandicus*.

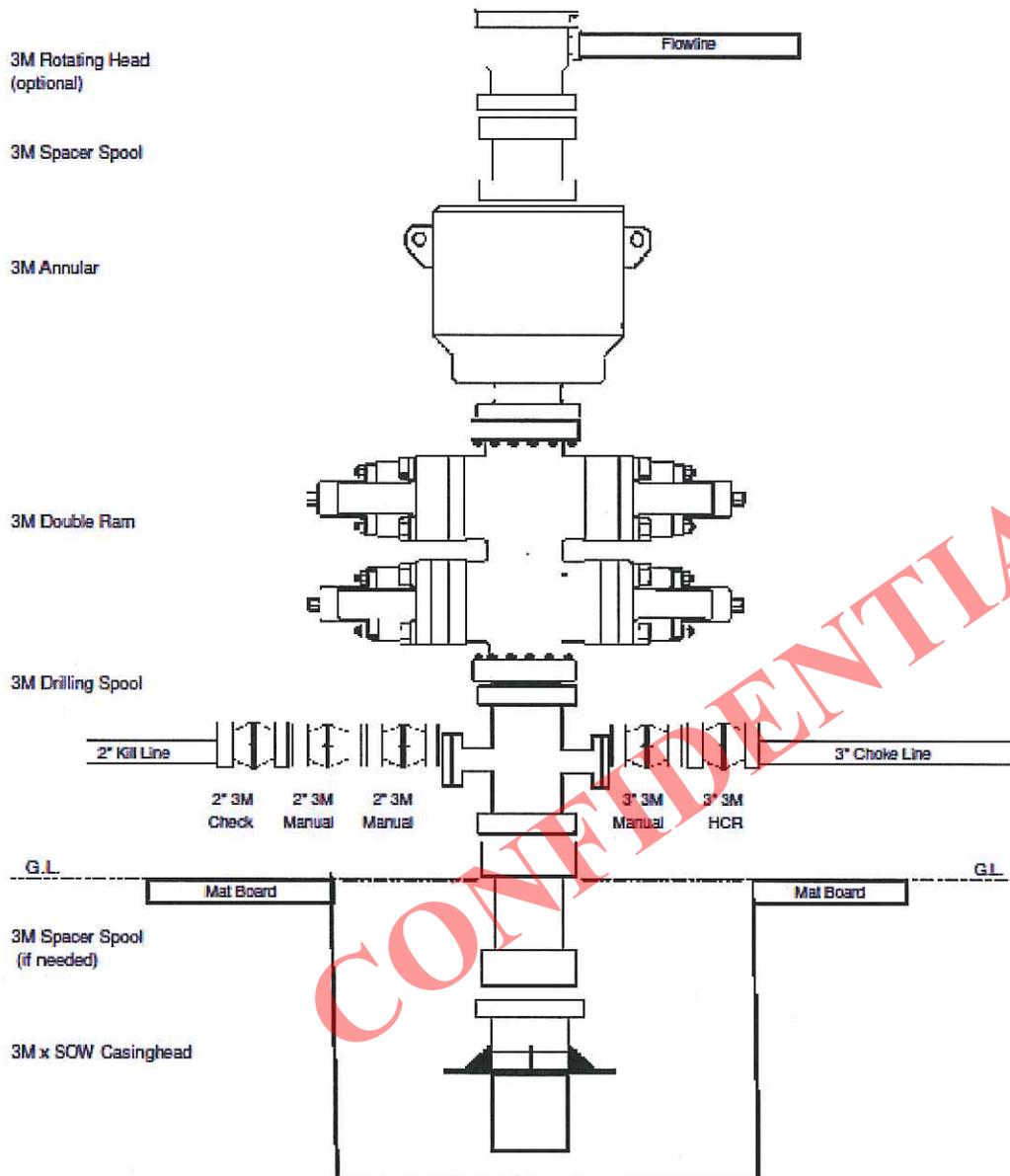
Per the onsite meeting on June 6, 2012, the following items were requested/discussed.

There is 6" topsoil.

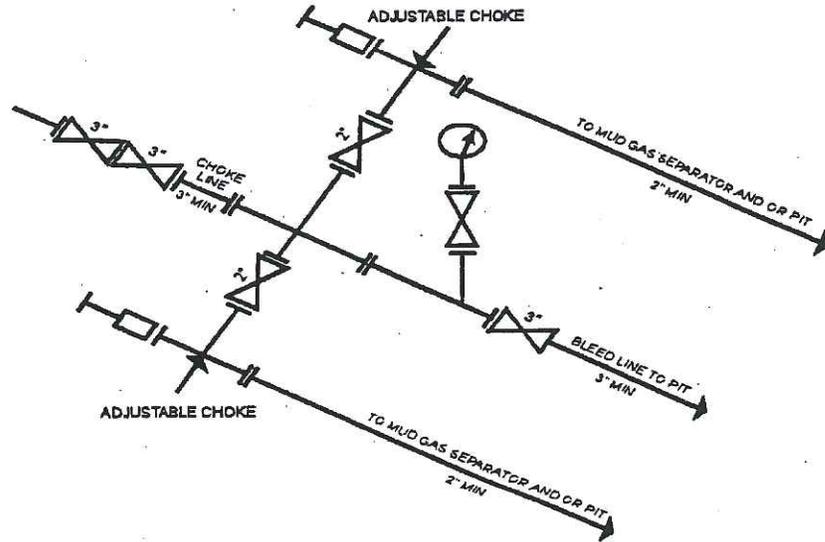
CONFIDENTIAL

QEP ENERGY COMPANY
Uintah County, Utah

**3M BOP x 3M Annular
Minimum Requirements**



QEP ENERGY COMPANY
Uintah County, Utah



3M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY
[54 FR 39528, Sept. 27, 1989]

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

8/20/2012

Date

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)

August 28, 2012

Memorandum

To: Assistant District Manager Minerals, Vernal District
From: Michael Coulthard, Petroleum Engineer
Subject: 2012 Plan of Development Nemo Unit, Duchesne
and Uintah Counties, 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 2012 within the Nemo Unit, Uintah County, Utah

| API # | LOCATION | WELL NAME |
|--------------|---------------------------|------------------------------------|
| | (Proposed PZ Green River) | |
| 43-047-53023 | DS 14G-6-10-18 | Sec 06 T10S R18E 0863 FSL 1725 FWL |
| | Lateral 1 | Sec 07 T10S R18E 1320 FSL 0860 FWL |
| 43-047-53024 | DS 4G-5-10-18 | Sec 05 T10S R18E 0655 FNL 0596 FWL |
| | Lateral 1 | Sec 06 T10S R18E 0800 FSL 2300 FEL |
| 43-047-53025 | DS 3G-5-10-18 | Sec 05 T10S R18E 0843 FNL 2571 FWL |
| | BHL | Sec 05 T10S R18E 0660 FSL 2500 FWL |

The DS 14G-6-10-18 will replace the northern lateral of the DS 14G-7-10-18. Please refer to our memo dated March 16, 2012.

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: 2012.08.28 15:15:06 -0600

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

MCoulthard:mc:8-28-12

RECEIVED: August 29, 2012

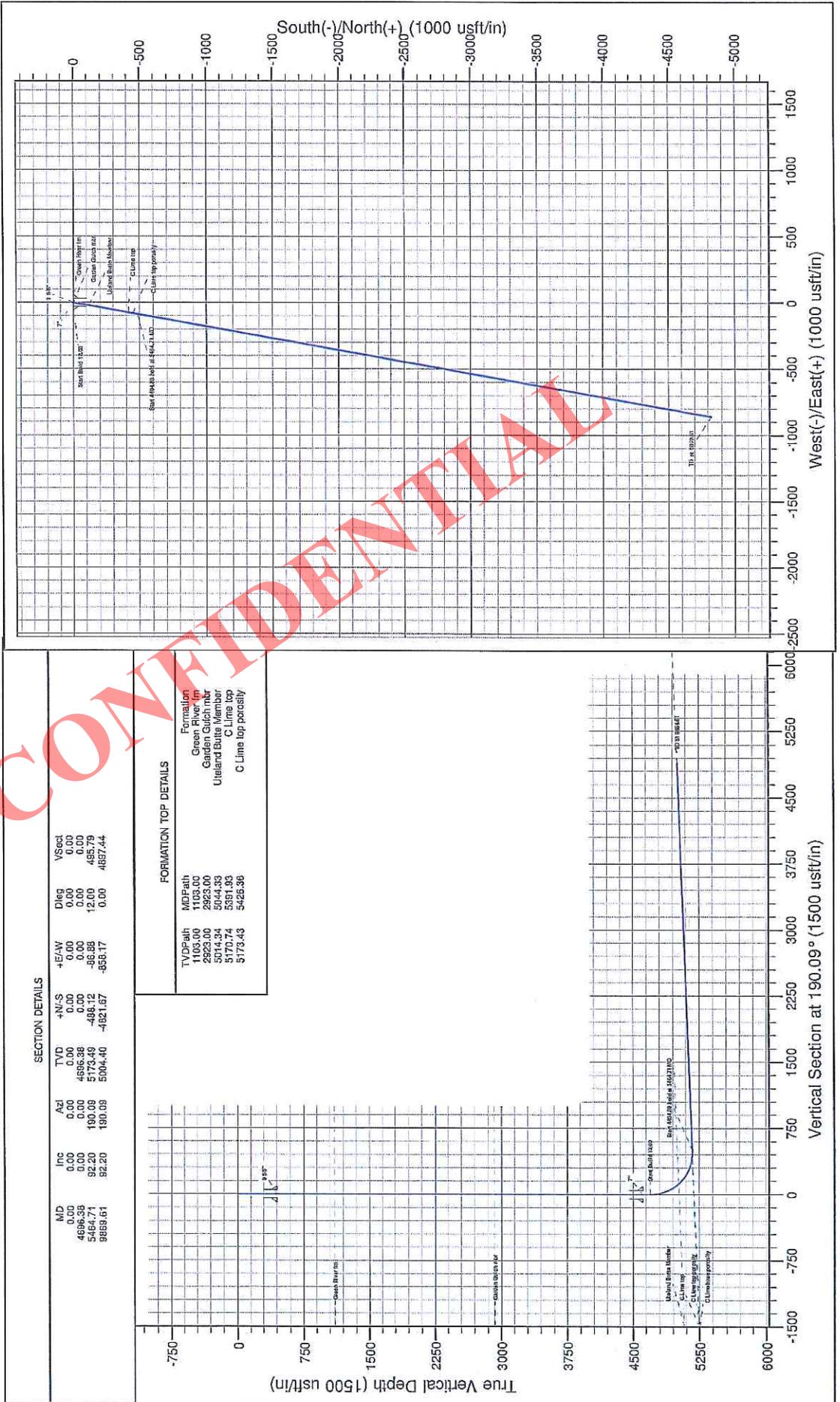


Company Name: QEP ENERGY (UT)

Admitted to True North
Magnetic North 1.11°
Magnetic Field
Strength 594 Gauss
Date: 7/10/2012
Source: IERS2010

Project: Desert Springs
Well: DS 14GS-10-18
Wellbore: Original Hole
Design: Plan ver.0

| | | | |
|---|----------------------------------|--|-------------|
| <p>WELL DETAILS: DS-14GS-10-18 Original Hole</p> | | <p>PROJECT DETAILS: Desert Springs</p> | |
| <p>Ground Level: 5963.00</p> | | <p>Ceodetic System: US State Plane 1983 North American Datum 1983 Ellipsoid: GRS 1980 Zone: Utah Central Zone System Datum: Mean Sea Level</p> | |
| <p>Co-ordinate (N/E) Reference: Well DS 14GS-10-18, True North Vertical (TVD) Reference: RKB @ 5377.00usft (AZTEC 781) Section (NS) Reference: Sls - (0.00N, 0.00E) Measured Depth Reference: RKB @ 5377.00usft (AZTEC 781) Calculation Method: Minimum Curvature</p> | | <p>REFERENCE INFORMATION</p> | |
| <p>+N-S 0.00</p> | <p>Nothing 7160912.463</p> | <p>Eastings 2077769.518</p> | <p>Slot</p> |
| <p>+E/W 0.00</p> | <p>Longitude -109.939428</p> | | |



T10S, R18E, S.L.B.&M.

QEP ENERGY COMPANY

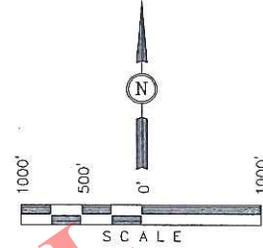
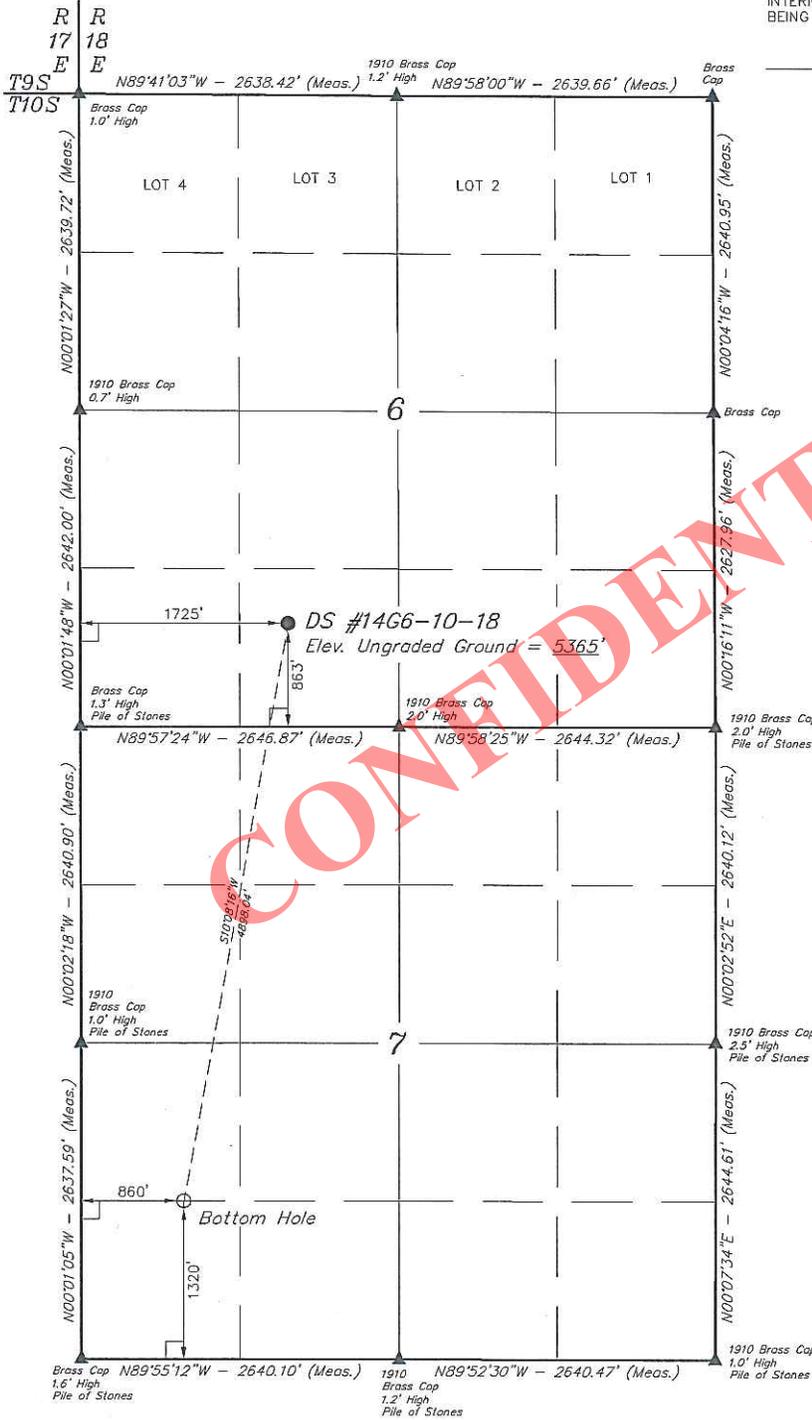
Well location, DS #14G6-10-18, located as shown in the SE 1/4 SW 1/4 of Section 6, T10S, R18E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 14, T10S, R18E, S.L.B.&M., TAKEN FROM THE MOON BOTTOM QUADRANGLE, UTAH, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5129 FEET.

BASIS OF BEARINGS

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



CONFIDENTIAL

LEGEND:

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

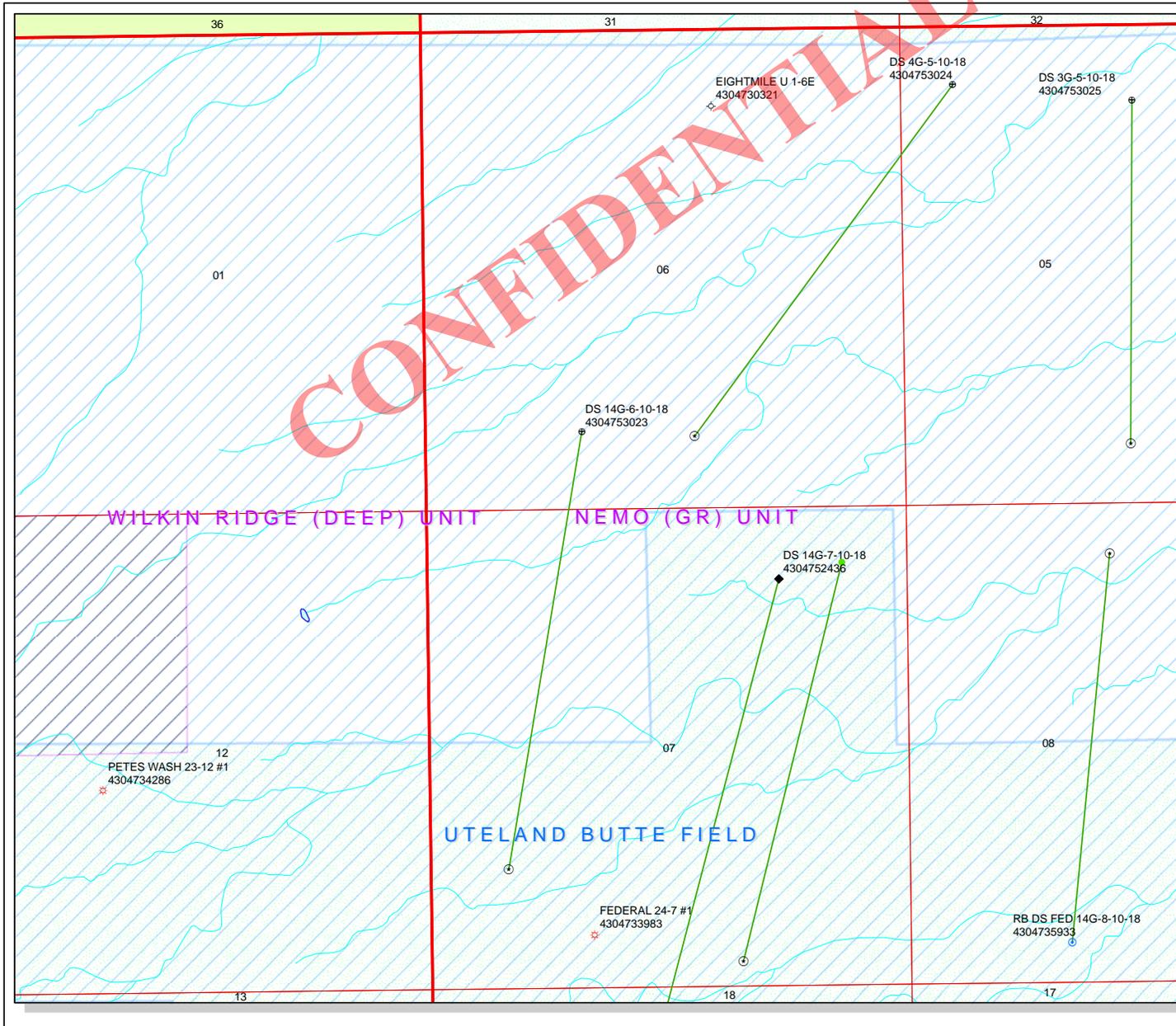
| NAD 83 (TARGET BOTTOM HOLE) | NAD 83 (SURFACE LOCATION) |
|--|--|
| LATITUDE = 39°57'17.44" (39.954844) | LATITUDE = 39°58'05.09" (39.968091) |
| LONGITUDE = 109°56'32.96" (109.942489) | LONGITUDE = 109°56'21.94" (109.938428) |
| NAD 27 (TARGET BOTTOM HOLE) | NAD 27 (SURFACE LOCATION) |
| LATITUDE = 39°57'17.57" (39.954881) | LATITUDE = 39°58'05.22" (39.968117) |
| LONGITUDE = 109°56'30.43" (109.941786) | LONGITUDE = 109°56'19.41" (109.938725) |

CERTIFICATE

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

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

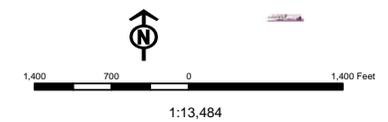
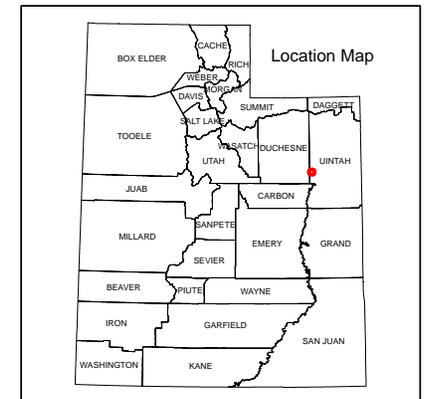
| | | |
|---|----------------------------|-------------------------|
| UTAH ENGINEERING & LAND SURVEYING 85 SOUTH 200 EAST - VERNAL, UTAH 84078 (435) 789-1017 | | |
| SCALE 1" = 1000' | DATE SURVEYED: 04-18-12 | DATE DRAWN: 04-25-12 |
| PARTY C.R. S.R. W.C.M. | REFERENCES G.L.O. PLAT | |
| WEATHER WARM | FILE QEP ENERGY COMPANY | |



API Number: 4304753023
Well Name: DS 14G-6-10-18
Township T10.0S Range R18.0E Section 06
Meridian: SLBM
Operator: QEP ENERGY COMPANY

Map Prepared:
 Map Produced by Diana Mason

| Units | Wells Query |
|---------------|------------------------------------|
| STATUS | STATUS |
| ACTIVE | APD - Approved Permit |
| EXPLORATORY | DRL - Spudded (Drilling Commenced) |
| GAS STORAGE | GIW - Gas Injection |
| NF PP OIL | GS - Gas Storage |
| NF SECONDARY | LOC - New Location |
| P1 OIL | OPS - Operation Suspended |
| PP GAS | PA - Plugged Abandoned |
| PP GEOTHERM | PGW - Producing Gas Well |
| PP OIL | POW - Producing Oil Well |
| SECONDARY | SGW - Shut-in Gas Well |
| TERMINATED | SOW - Shut-in Oil Well |
| STATUS | TA - Temp. Abandoned |
| Unknown | TW - Test Well |
| ABANDONED | WDW - Water Disposal |
| ACTIVE | WW - Water Injection Well |
| COMBINED | WSW - Water Supply Well |
| INACTIVE | Bottom Hole Location - Oil&Gas |
| STORAGE | |
| TERMINATED | |



WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 8/20/2012

API NO. ASSIGNED: 43047530230000

WELL NAME: DS 14G-6-10-18

OPERATOR: QEP ENERGY COMPANY (N3700)

PHONE NUMBER: 435 781-4369

CONTACT: Valyn Davis

PROPOSED LOCATION: SESW 06 100S 180E

Permit Tech Review:

SURFACE: 0863 FSL 1725 FWL

Engineering Review:

BOTTOM: 1320 FSL 0860 FWL

Geology Review:

COUNTY: UINTAH

LATITUDE: 39.96804

LONGITUDE: -109.93939

UTM SURF EASTINGS: 590577.00

NORTHINGS: 4424748.00

FIELD NAME: UTELAND BUTTE

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU88069

PROPOSED PRODUCING FORMATION(S): UTELAND BUTTE

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: 49-251/ 49-2153
- RDCC Review:
- Fee Surface Agreement
- Intent to Commingle

Commingling Approved

LOCATION AND SITING:

- R649-2-3.
Unit: NEMO (GR)
- R649-3-2. General
- R649-3-3. Exception
- Drilling Unit
Board Cause No: R649-3-2
- Effective Date:
- Siting:
- R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 4 - Federal Approval - dmason
23 - Spacing - dmason
27 - Other - bhll



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: DS 14G-6-10-18
API Well Number: 43047530230000
Lease Number: UTU88069
Surface Owner: FEDERAL
Approval Date: 9/18/2012

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 R649-3-2. The expected producing formation or pool is the UTELAND BUTTE 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.

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

In accordance with Utah Admin. R.649-3-21, the operator shall submit a complete

angular deviation and directional survey report to the Division within 30 days following completion of the well.

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:



For John Rogers
Associate Director, Oil & Gas

| | | |
|--|--|---|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 |
| SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | | 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU88069 |
| 1. TYPE OF WELL Oil Well | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| 2. NAME OF OPERATOR: QEP ENERGY COMPANY | | 7. UNIT or CA AGREEMENT NAME: NEMO (GR) |
| 3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078 | | 8. WELL NAME and NUMBER: DS 14G-6-10-18 |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0863 FSL 1725 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 06 Township: 10.0S Range: 18.0E Meridian: S | | 9. API NUMBER: 43047530230000 |
| PHONE NUMBER: 303 308-3068 Ext | | 9. FIELD and POOL or WILDCAT: UTELAND BUTTE |
| COUNTY: UINTAH | | STATE: UTAH |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA | | |
| TYPE OF SUBMISSION | TYPE OF ACTION | |
| <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: | <input type="checkbox"/> ACIDIZE | |
| <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: | <input type="checkbox"/> ALTER CASING | |
| <input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 2/8/2013 | <input type="checkbox"/> CASING REPAIR | |
| <input type="checkbox"/> DRILLING REPORT Report Date: | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS | |
| | <input type="checkbox"/> CHANGE TUBING | |
| | <input type="checkbox"/> CHANGE WELL STATUS | |
| | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | |
| | <input type="checkbox"/> DEEPEN | |
| | <input type="checkbox"/> FRACTURE TREAT | |
| | <input type="checkbox"/> OPERATOR CHANGE | |
| | <input type="checkbox"/> PLUG AND ABANDON | |
| | <input type="checkbox"/> PRODUCTION START OR RESUME | |
| | <input type="checkbox"/> RECLAMATION OF WELL SITE | |
| | <input type="checkbox"/> REPERFORATE CURRENT FORMATION | |
| | <input type="checkbox"/> SIDETRACK TO REPAIR WELL | |
| | <input type="checkbox"/> TUBING REPAIR | |
| | <input type="checkbox"/> VENT OR FLARE | |
| | <input type="checkbox"/> WATER SHUTOFF | |
| | <input type="checkbox"/> SI TA STATUS EXTENSION | |
| | <input type="checkbox"/> WILDCAT WELL DETERMINATION | |
| | <input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/> | |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. ON 2/08/2013, QEP ENERGY COMPANY SET 40' OF 14" CONDUCTOR PIPE AND CEMENTED IT WITH READY MIX. | | |
| | | Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY February 12, 2013 |
| NAME (PLEASE PRINT) Valyn Davis | PHONE NUMBER 435 781-4369 | TITLE Regulatory Affairs Analyst |
| SIGNATURE N/A | DATE 2/12/2013 | |

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

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

AUG 20 2012

APPLICATION FOR PERMIT TO DRILL OR REENTER

BLM

CONFIDENTIAL

| | | |
|--|---|---|
| 1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER | | 5. Lease Serial No. UTU88069 |
| 1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone | | 6. If Indian, Allottee or Tribe Name |
| 2. Name of Operator QEP ENERGY COMPANY Contact: VALYN DAVIS E-Mail: Valyn.Davis@qepres.com | | 7. If Unit or CA Agreement, Name and No. UTU87719X |
| 3a. Address 11002 EAST 17500 SOUTH VERNAL, UT 84078 | 3b. Phone No. (include area code) Ph: 435-781-4369 Fx: 435-781-4395 | 8. Lease Name and Well No. DS 14G-6-10-18 |
| 4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SESW 863FSL 1725FWL 39.968081 N Lat, 109.939428 W Lon At proposed prod. zone SWSW 1320FSL 860FWL 39.954844 N Lat, 109.942489 W Lon | | 9. API Well No. 43-047-53023 |
| 14. Distance in miles and direction from nearest town or post office* 23 MILES +/- SOUTHEAST OF MYTON, UTAH | | 10. Field and Pool, or Exploratory UNDESIGNATED |
| 15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 860' | 16. No. of Acres in Lease 640.00 | 11. Sec., T., R., M., or Blk. and Survey or Area Sec 6 T10S R18E Mer SLB SME: BLM |
| 18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. +/- 3200' | 19. Proposed Depth 9870 MD 5004 TVD | 12. County or Parish UINTAH |
| 21. Elevations (Show whether DF, KB, RT, GL, etc.) 5365 GL | 22. Approximate date work will start 01/15/2013 | 13. State UT |
| 24. Attachments | | 17. Spacing Unit dedicated to this well 40.00 |
| | | 20. BLM/BIA Bond No. on file ESB000024 |
| | | 23. Estimated duration 30 DAYS |

RECEIVED

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

JAN 31 2013

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

DIV. OF OIL, GAS & MINING

| | | |
|---|--|---------------------|
| 25. Signature (Electronic Submission) | Name (Printed/Typed) VALYN DAVIS Ph: 435-781-4369 | Date 08/20/2012 |
| Title REGULATORY AFFAIRS ANALYST | | |
| Approved by (Signature) | Name (Printed/Typed) Jerry Kenczka | Date JAN 25 2013 |
| 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 #146622 verified by the BLM Well Information System
For QEP ENERGY COMPANY, sent to the Vernal
Committed to AFMSS for processing by LESLIE ROBINSON on 08/28/2012 (12LBR0870AE)

NOTICE OF APPROVAL

DAFM

** BLM REVISED **

12LBR0078AE

NOS- 5/21/12

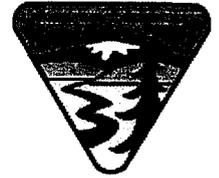


UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

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: DS 14G-6-10-18
API No: 43-047-53023

Location: SESW, Sec. 6, T10S, R18E
Lease No: UTU-88069
Agreement:

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 is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

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

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

- 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_x 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_x 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.
- QEP will comply with all rules and regulations administered by the authorized officer concerning the use, prevention, and suppression of fires on federal lands.
- QEP will, at all times during construction, maintenance, and operations, maintain satisfactory spark arrests on internal combustion engines.
- If equipment creates surface ruts in excess of 4 inches deep, QEP would deem that soil conditions are too wet to adequately support construction equipment and construction would cease until conditions improve or BLM approval is obtained.
- Prior to construction, an invasive plants/noxious weeds inventory will be completed for all areas where surface disturbance will occur. A completed Weed Inventory form documenting any occurrences of invasive plants or noxious weeds will be submitted to the BLM Authorized Officer before surface disturbance will occur.
- The operator will control noxious/invasive weeds along their roads, pipelines, well sites, or other applicable facilities by the application of herbicides or by mechanical removal until reclamation is considered to be successful by the authorized officer (AO) and the bond for the well is released. A list of noxious weeds will be obtained from the BLM or the appropriate county extension office. On BLM-administered land, the operator will submit a Pesticide Use Proposal and obtain approval prior to the application of herbicides, other pesticides, or possible hazardous chemicals.
- Interim reclamation, final reclamation, and monitoring of reclaimed areas will be completed in accordance with the Questar Exploration and Production Company, Uinta Basin Division's Reclamation Plan, September 2009 (aka QEPEC, Uinta Basin Division's Reclamation Plan) on file with the Vernal Field Office of the BLM.
- Prior to any surface disturbance, vegetative monitoring locations and reference sites will be identified by QEP and approved by the BLM AO. Vegetation monitoring protocol will be developed by QEP and approved by the BLM AO prior to implementation of revegetation techniques and will be designed to monitor % basal vegetative cover.

- Revegetated areas will be inspected annually and monitored to document location and extent of areas with successful revegetation, and areas needing further reclamation (for a period of 5 years after construction completion). A reclamation report will be submitted to the AO by March 31 of each year.
- QEP will educate its contractors and employees about the relevant federal regulations intended to protect cultural resources. All vehicular traffic, personnel movement, construction and restoration activities shall be confined to areas cleared by the site inventory and to existing roads. In the event historic or archaeological resources are uncovered during construction, work will stop immediately and the appropriate BLM AO will be notified.
- A permitted paleontologist will be present to monitor the construction process for the well pad, access road, and pipeline for all the wells (W. Miller: Aug 17, 2012; June 23, 2012; Nov. 1, 2011; Feb. 1, 2012)
- Due to the proximity of the Uintah Basin Hookless Cactus (*Sclerocactus wetlandicus*) to the DS 14G-7-10-18 access road, dust suppressant such as fresh water will be used during the drilling phase to control fugitive dust from truck traffic
- To maintain compliance with current cactus survey protocols, the following measures will be required.
 - If construction does not occur within 4 years of the original survey date, new 100% clearance surveys will be required.
 - Prior to construction within 4 years of the original survey date, a spot check survey will be required during the year of construction. The project proponent and their respective 3rd party surveyor will refer to the current *Sclerocactus* Spot Check Survey Methods, to determine site specific survey distances and intensity levels.
 - Spot check reports will be reported to the BLM and the US Fish and Wildlife Service.
 - Construction will not commence until written approval is received from the BLM authorized officer.

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

SITE SPECIFIC DOWNHOLE COAs:

- Production casing (size casing 7 inch) cement shall be brought up and into the surface.
- Surface casing cement shall be brought to surface.
- For casing production (partial) liner installation, casing liner is to be installed and tested to the standards of Onshore Orders #2. The operator specified casing liner lap overlap interval length is 100 ft. Note that as specified in Onshore Orders #2, that the casing liner lap overlap interval length 'cannot' be under 100 ft.

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 CD (compact disc) format to the Vernal BLM Field Office. 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.
- 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 ($\frac{1}{4}$ / $\frac{1}{4}$, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs,

core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

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

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

FORM 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 |
|--------------------------------------|-----------------------|-------------------|-----------------|-----|-----|----------------------------------|--------|
| 4304753023 | DS 14G-6-10-18 | | SESW | 6 | 10S | 18E | UINTAH |
| Action Code | Current Entity Number | New Entity Number | Spud Date | | | Entity Assignment Effective Date | |
| B | <i>new</i> | <i>14457</i> | <i>2/8/2013</i> | | | <i>11/28/2012</i> | |
| Comments: <i>GRRV</i> | | | | | | | |
| <i>2/19/2013</i> CONFIDENTIAL | | | | | | | |

Well 2

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

Well 3

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

ACTION CODES:

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

Valyn Davis

Name (Please Print)

Valyn Davis

Signature

Regulatory Affairs Analyst

2/12/2013

Title

Date

RECEIVED

FEB 12 2013

BLM - Vernal Field Office - Notification Form

Operator QUESTAR E&P Rig Name/# SST 88 Submitted By
DAVID REID Phone Number 1-435-828-0396
Well Name/Number DS 14G-6-10-18
Qtr/Qtr SESW Section 6 Township 10S Range 18E
Lease Serial Number UTU88069
API Number 43-047-53023

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 2/7/2013 1000 AM PM

Casing – Please report time casing run starts, not cementing times.

- Surface Casing
- Intermediate Casing
- Production Casing
- Liner
- Other

RECEIVED
FEB 20 2013
DIV. OF OIL, GAS & MINING

Date/Time _ _ AM PM

BOPE

- Initial BOPE test at surface casing point
- BOPE test at intermediate casing point
- 30 day BOPE test
- Other

Date/Time 2/21/2013 22:00 AM PM

Remarks WE ARE RIGGING UP SST 88 ASND PLAN TO TEST THE BOP'S AROUND 22:00 HRS ON 2/21/2013.

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 |
|--------------------------------------|-----------------------|-------------------|-----------------|-----|-----|----------------------------------|--------|
| 4304753023 | DS 14G-6-10-18 | | SESW | 6 | 10S | 18E | UINTAH |
| Action Code | Current Entity Number | New Entity Number | Spud Date | | | Entity Assignment Effective Date | |
| B | <i>new</i> | <i>14457</i> | <i>2/8/2013</i> | | | <i>11/28/2012</i> | |
| Comments: <i>GRRV</i> | | | | | | | |
| <i>2/19/2013</i> CONFIDENTIAL | | | | | | | |

Well 2

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

Well 3

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

ACTION CODES:

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

Valyn Davis

Name (Please Print)

Valyn Davis

Signature

Regulatory Affairs Analyst

2/12/2013

Title

Date

RECEIVED

FEB 12 2013

| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 | |
|--|--|---|---|
| SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | | 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU88069 | |
| | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: | |
| 1. TYPE OF WELL Oil Well | | 7. UNIT or CA AGREEMENT NAME: NEMO (GR) | |
| 2. NAME OF OPERATOR: QEP ENERGY COMPANY | | 8. WELL NAME and NUMBER: DS 14G-6-10-18 | |
| 3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078 | | 9. API NUMBER: 43047530230000 | |
| PHONE NUMBER: 303 308-3068 Ext | | 9. FIELD and POOL or WILDCAT: UTELAND BUTTE | |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0863 FSL 1725 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 06 Township: 10.0S Range: 18.0E Meridian: S | | COUNTY: UINTAH | |
| | | STATE: UTAH | |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA | | | |
| TYPE OF SUBMISSION | TYPE OF ACTION | | |
| <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/30/2013 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date: | <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER | <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION 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 MARCH 30, 2013 @ 10:30 A.M. | | | |
| Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY April 03, 2013 | | | |
| NAME (PLEASE PRINT) Valyn Davis | PHONE NUMBER 435 781-4369 | TITLE Regulatory Affairs Analyst | |
| SIGNATURE N/A | | DATE 4/2/2013 | |

| | |
|--|---|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU88069 |
| SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: NEMO (GR) |
| 1. TYPE OF WELL Oil Well | 8. WELL NAME and NUMBER: DS 14G-6-10-18 |
| 2. NAME OF OPERATOR: QEP ENERGY COMPANY | 9. API NUMBER: 43047530230000 |
| 3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078 | PHONE NUMBER: 303 308-3068 Ext |
| 9. FIELD and POOL or WILDCAT: UTELAND BUTTE | |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0863 FSL 1725 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 06 Township: 10.0S Range: 18.0E Meridian: S | COUNTY: UINTAH STATE: UTAH |

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|--|---|
| <input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 4/18/2013 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date: | <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input checked="" type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER | <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION 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 authorization to flare gas beyond the 30 day limit established in NTL-4a. The well is located approximately 1 mile from the nearest gas gathering system, the Monarch Natural Gas, LLC Pipeline. The initial production for the well was approximately 285 BBLS of oil, 12 BBLS of water, and 38 mcf of gas per day. The well is currently making approximately 136 BBLS of oil, 0 BBLS of water, and 50 mcf of gas (metered) per day. QEP has been working with Monarch Natural Gas, LLC in order to establish a gas transportation agreement that will grant us access into Monarch's line.

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

Date: May 06, 2013

By: David K. Quist

| | | |
|-----------------------------------|------------------------------|-----------------------|
| NAME (PLEASE PRINT) Jan Nelson | PHONE NUMBER 435 781-4331 | TITLE Permit Agent |
| SIGNATURE N/A | DATE 4/18/2013 | |



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43047530230000

In accordance with rule R649-3-20-1.1, up to 1800 MCF of oil well gas may be vented or flared from an individual well on a monthly basis at any time without approval. If the amount flared is going to exceed this amount, a request should be submitted to the Division per rule R649-3-20 or to the Board if beyond what the rule allows for administrative approval.

| | |
|--|--|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | FORM 9 |
| SUNDRY NOTICES AND REPORTS ON WELLS | |
| Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | |
| 1. TYPE OF WELL Oil Well | 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU88069 |
| 2. NAME OF OPERATOR: QEP ENERGY COMPANY | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| 3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078 | 7. UNIT or CA AGREEMENT NAME: NEMO (GR) |
| PHONE NUMBER: 303 308-3068 Ext | 8. WELL NAME and NUMBER: DS 14G-6-10-18 |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0863 FSL 1725 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 06 Township: 10.0S Range: 18.0E Meridian: S | 9. API NUMBER: 43047530230000 |
| | 9. FIELD and POOL or WILDCAT: UTELAND BUTTE |
| | COUNTY: UINTAH |
| | STATE: UTAH |

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|--|---|---|
| <input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 6/18/2013 | <input type="checkbox"/> ACIDIZE | <input type="checkbox"/> ALTER CASING | <input type="checkbox"/> CASING REPAIR |
| <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS | <input type="checkbox"/> CHANGE TUBING | <input type="checkbox"/> CHANGE WELL NAME |
| <input type="checkbox"/> SPUD REPORT 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 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 checked="" 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.

QEP Energy Company requests authorization for unrestricted flaring beyond the 30 day limit established in R649-3-20.3.2 and NTL-4a. QEP Energy Company is working with Monarch Natural Gas, LLC in order to establish a gas transportation agreement that will grant us access into Monarchs line.

REQUEST DENIED
 Utah Division of
 Oil, Gas and Mining

Date: June 20, 2013

By: *Derek Quist*

| | | |
|--|-------------------------------------|------------------------------|
| NAME (PLEASE PRINT) Jan Nelson | PHONE NUMBER 435 781-4331 | TITLE Permit Agent |
| SIGNATURE N/A | DATE 6/18/2013 | |



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43047530230000

Insufficient information provided to approve request.

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

BHL 1336 FSL, 912 AME AMENDED REPORT FORM 8
NW SW sec 7-10S-10E (highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER: **UTU88069**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME: **NEMO (GR)**

8. WELL NAME and NUMBER: **DS 14G-6-10-18**

9. API NUMBER: **4304753023**

10. FIELD AND POOL, OR WILDCAT: **UTELAND BUTTE**

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **SESW 6 10S 18E**

12. COUNTY: **UINTAH** 13. STATE: **UTAH**

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

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

2. NAME OF OPERATOR: **QEP ENERGY COMPANY**

3. ADDRESS OF OPERATOR: **11002 E. 17500 S. CITY VERNAL STATE UT ZIP 84078** PHONE NUMBER: **(435) 781-4320**

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: **SESW, 863' FSL, 1725' FWL**
AT TOP PRODUCING INTERVAL REPORTED BELOW: **SESW, 863' FSL, 1725' FWL**
AT TOTAL DEPTH: **1 LEG HORIZONTAL (SEE ATTACHED)**

14. DATE SPURRED: **2/8/2013** 15. DATE T.D. REACHED: **3/8/2013** 16. DATE COMPLETED: **3/30/2013** ABANDONED READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL): **5365' GL**

18. TOTAL DEPTH: MD **9,772** TVD **5,050** 19. PLUG BACK T.D.: MD _____ TVD _____

20. IF MULTIPLE COMPLETIONS, HOW MANY? * _____ 21. DEPTH BRIDGE PLUG SET: MD _____ TVD _____

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each): **TRIPLE COMBO, CBL**

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 (#/ft.) | TOP (MD) | BOTTOM (MD) | STAGE CEMENTER DEPTH | CEMENT TYPE & NO. OF SACKS | SLURRY VOLUME (BBL) | CEMENT TOP ** | AMOUNT PULLED |
|-----------|------------|----------------|----------|-------------|----------------------|----------------------------|---------------------|---------------|---------------|
| 12.25 | 9.625 J-55 | 36 | 0 | 527 | | G 290 | 61 | 300 | |
| 8.75 | 7 L-80 | 26 | 0 | 4,588 | | G 415 | 181 | | |
| 6.125 | 4.5 N-80 | 11.6 | 0 | 9,752 | | 0 | 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) |
|-------|----------------|-----------------|------|----------------|-----------------|------|----------------|-----------------|
| 2.875 | 4,549 | | | | | | | |

26. PRODUCING INTERVALS

| FORMATION NAME | TOP (MD) | BOTTOM (MD) | TOP (TVD) | BOTTOM (TVD) | INTERVAL (Top/Bot - MD) | SIZE | NO. HOLES | PERFORATION STATUS |
|-----------------|----------|-------------|-----------|--------------|-------------------------|------|-----------|---|
| (A) GREEN RIVER | 5,539 | 9,752 | | | | | | Open <input 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 |
|----------------|-----------------------------|
| 5.539 - 9,752 | 1648 BBLS 15% HCL |

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: **POW**

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

| | | | | | | | |
|-----------------------------------|------------------------|---------------------|--------------------------|-------------------|------------------|---------------------------|----------------------|
| DATE FIRST PRODUCED: 3/30/2013 | TEST DATE: 4/1/2013 | HOURS TESTED: 24 | TEST PRODUCTION RATES: → | OIL - BBL: 285 | GAS - MCF: 38 | WATER - BBL: 12 | PROD. METHOD: GPU |
| CHOKE SIZE: | TBG. PRESS. 112 | CSG. PRESS. 45 | API GRAVITY | BTU - GAS | GAS/OIL RATIO | 24 HR PRODUCTION RATES: → | INTERVAL STATUS: |

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: → | 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: → | 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: → | INTERVAL STATUS: |

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

USED ON LEASE

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.

34. FORMATION (Log) MARKERS:

| Formation | Top (MD) | Bottom (MD) | Descriptions, Contents, etc. | Name | Top (Measured Depth) |
|-----------|----------|-------------|------------------------------|---------------|----------------------|
| | | | | UINTA | 0 |
| | | | | GREEN RIVER | 1,394 |
| | | | | GARDEN GULCH | 2,944 |
| | | | | UTELAND BUTTE | 5,102 |
| | | | | C LIME | 5,484 |

35. ADDITIONAL REMARKS (Include plugging procedure)

SEE ATTACHED

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

NAME (PLEASE PRINT) BENNA MUTH TITLE REGULATORY ASSISTANT - CONTRACT
 SIGNATURE *Benna Muth* DATE 4/29/2013

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
 1594 West North Temple, Suite 1210
 Box 145801
 Salt Lake City, Utah 84114-5801
 Phone: 801-538-5340
 Fax: 801-359-3940

WELL COMPLETION REPORT

WELL # DS 14G-6-10-18

43-047-53020

#4: AT TOTAL DEPTH; NWSW, SECTION 7, T10S, R18E, 1338' FSL, 912' FWL

27: PERFORATION RECORD; SLOTTED LINER FROM 5539' – 9752'



QEP Energy Company

Daily Activity and Cost Summary

Well Name: DS 14G-6-10-18

| | | | | |
|--------------------------------------|---|--------------------------------|-----------------------------------|---------------------------------------|
| API 43-047-53032 | Surface Legal Location SEC 6-T10S-R18E | Field Name UTELAND BUTTE | State UTAH | Well Configuration Type Horizontal |
| Ground Elevation (ft) 5,363 | Casing Flange Elevation (ft) 5,363.00 | Current KB to GL (ft) 30.00 | KB to CF (ft) 30.00 | Spud Date 2/7/2013 08:00 |
| Final Rig Release 3/11/2013 06:00 | Job Category Drilling | Primary Job Type DRILLING | Secondary Job Type DEVELOPMENT | Objective |
| Start Date 2/7/2013 | Job End Date 3/11/2013 | | | |

Purpose

Summary

| | | |
|------------------------------------|----------------------|------------------------|
| Contractor Pete Martin Drilling | RIG PETE MARTIN 1 | Rig Type BUCKET RIG |
| Contractor Pro Petro | RIG AIR 8 | Rig Type AIR RIG |
| Contractor SST Energy | RIG SST 88 | Rig Type ROTARY RIG |

| DOL | Start Date | Summary |
|------|------------|--|
| 1.0 | 2/7/2013 | DRILL AND SET 40 FT OF 14" CONDUCTOR, 80 FT OF MOUSE HOLE AND CELLAR |
| 2.0 | 2/13/2013 | DRILL TO 510 FT AND SET 494 FT OF 9 5/8 SURFACE CASING |
| 3.0 | 2/17/2013 | RIG DOWN AND MOVE. TAKE TOP DRIVE OFF AND MOVE SAME, ALSO 3 PIPE TUBS, 3 JUNK LOADS, MUD TANKS, CHOKE HOUSE |
| 4.0 | 2/18/2013 | RIG DOWN & MOVE. SET MUD TANKS, PUMPS, BOILER, COMBO HOUSE, BOILER, MOTORS, SCR, FUEL TANK & TOP DRIVE CONNEX. RIG 65 % MOVED. 25% SET IN. |
| 5.0 | 2/19/2013 | MOVE SUBS, MUD, SCR CONTROL HOUSE, TRAILERS, BIT HOUSE, PARTS HOUSE AND BOP. DERRICK, TUBULARS, AND LOADS TO TOWN STILL ON OLD LOCATION |
| 6.0 | 2/20/2013 | RIG UP-FINISH PUTTING SUBS TOGETHER, SET DERRICK ON FLOOR AND STRING UP. RIG IS MOVED OFF OLD LOCATION. SET IN REST OF BACK YARD AND WORK ON GENERAL RIG UP . |
| 7.0 | 2/21/2013 | RIG UP RIG FLOOR. TOP DRIVE FLOW LINE TO MUD PITS, WORK ON SAFETY ISSUES CHOKE LINE STUDS, FRAYED OVER HEAD CABLES, PUMP PSI GUAGES, LINE GUIDE ROPES, 100% MOVED AND 85% RIGGED UP |
| 8.0 | 2/22/2013 | FINISH RIGGING UP, NIPL EUP AND TEST BOP. PICK UP DIRECTIONAL TOOLS AND ORIENT. PICK UP BHA AND TAG @ 475'. DRILL CEMENT |
| 9.0 | 2/23/2013 | DRILL SHOE TRACK + 10 FT OF NEW HOLE RUN FIT TO 48 PSI = 9.8 PPG EMW DIRECTIONAL DRILL FROM 540 TO 2637 |
| 10.0 | 2/24/2013 | DIRECTIONAL DRILL FROM 2637 TO 4595 FT =1958 FT BIT WT= 18/22 K @ 490 GPM CIRC FOR SHORT TRIP SHORT TRIP 10 STANDS TRIP OUT FOR LOGS (SLM PIPE) |
| 11.0 | 2/25/2013 | POOH FOR LOGS DOWN DIRECTIONAL TOOLS RUN TRIPPLE COMBO LOGS RIG SERVICE PULL WEAR BUSHING TIH WASH & REAM 150 FT (NO FILL) CIRC FOR CASING LAY DOWN DP MIX & PUMP 120 BBLs OF LCM SWEEP @ 1450 FEET LOST RETURNS CONT TO LAY DOWN DP |
| 12.0 | 2/26/2013 | RUN 7" CASING LANDED @ 4586 FT CIRC CASING, RIG UP & CEMENT CASING, TEST CASING, R/D HALCO, LAY OUT & STRAP BHA & DP, RIG SERVICE PICK UP & ORINATE TOOLS, PICK UP DRILL PIPE TO FLOAT COLLAR, RIG DOWN LAY DOWN MACHINE, DRILL CEMENT & SHOE TRACK + 10 FEET OF NEW HOLE, CIRC & RUN FIT (NO TEST RUN UP TO 225 PSI BLEAD OFF TO 0 PSI REPLY TEST SAME RESULTS) RELOG 10 FEET OF NEW HOLE DIRECTIONAL DRILL FROM 4595 TO 4769 FT=49.7FPR BIT WT=10/12 RPM= 169 GPM= 245 |
| 13.0 | 2/27/2013 | DIRECTIONAL DRILL FROM 4769 TO 5550 BIT WT = 12/14K RPM SLIDING= 157 ROT= 180 GPM=250 |
| 14.0 | 2/28/2013 | DIRECTIONAL DRILL FROM 5550 TO 5621 FT =71 FT=28 FPR BIT WT = 12/15 RPM=155/195 TRIP TRIP FOR BIT MOTOR PUSH PIPE RIG SERVICE, WASH & REAM TO BOTTOM CONT TO DIRECTIONAL DRILL FROM 5621 TO 5793 FT WORK TIGHT HOLE FROM 5762 FT TO 5765 FT MIX TRIP SLUG & TRIP FOR MWD FAILURE |
| 15.0 | 3/1/2013 | TRIP FOR MWD FAILURE WORK BHA WASH & REAM 120 FT TO BOTTOM RIG SERVICE DIRECTIONAL DRILL FROM 5795 TO 6205 FT = 409 FT =412 FT =28.2 FPR BIT WT = 12/14 GPM= 246 RPM= 200SLIDE 240 ROT. |
| 16.0 | 3/2/2013 | DIRECTIONAL DRILL FROM 6407 FT TO 6590 = FT 183 FOR FPR= 10.1 GPM =250 BIT WT = 12/14 K RPM = 200 SLIDING 240 ROTATING |
| 17.0 | 3/3/2013 | DIRECTIONAL DRILLING FROM 6590 FT TO 7040 FT BIT WT= 12/14 GPM= 250 RPM= 200 SLIDE & 240 ROT. =450 FT =20.9 FPR |
| 18.0 | 3/4/2013 | DIRECTIONAL DRILL FROM 7040 TO 7313 FT BIT WT= 12/14 GPM = 250 RPM = 200 SLIDE ROT= 240 = 273 FT =18.2 FPRCIRC & SPOT BEAD SWEEP SHORT TRIP FRO 7313 TO 6366 FT TIGHT SPOTS @ 6631/6612 & 6610 /6606 & 6524 /6486 DIRECTIONAL DRILL FROM 7313 TO 7408 =95 FT FOR 31.6 FPR 250 GPM BIT WT= 12/15 RPM= 200 SLIDE & 240 ROT. |
| 19.0 | 3/5/2013 | DIRECTIONAL DRILL FROM 7408 TO 7819 BIT WT= 12/15 GPM= 200 SLIDE 240 ROT =411 FT FOR 19.1 FPR |
| 20.0 | 3/6/2013 | TRIP OUT. CHANGE BIT & MTR. TRIP IN. P/U AGITATOR. SHUFFLE PUSH PIPE. WASH & REAM F/5820- 6000 & F/7336-7819. DIRECTIONAL DRILL F/ 7819 T/ 8100. |
| 21.0 | 3/7/2013 | DIRECTIONAL DRILL F/8100 T/8379. SERVICE RIG. SHORT TRIP 6 STDS. DIRECTIONAL DRILL F/ 8379 T/ 8949. |
| 22.0 | 3/8/2013 | SHORT TRIP @ 8949 6 STDS. SERVICE RIG. DIRECTIONAL DRILL F/ 8949 T/ 9424. SHORT TRIP 6 STDS. DIRECTIONAL DRILL F/9424 T/ 9772 TD. CIRCULATE. SHORT TRIP. |
| 23.0 | 3/9/2013 | SHORT TRIP TO SHOE. CIRCULATE. TRIP OUT. L/D DIRECTIONAL TOOLS. P.JSM. RIG UP & RUN 4.5" LINER. |



QEP Energy Company

Daily Activity and Cost Summary

Well Name: DS 14G-6-10-18

| | | | | | | | | | |
|--------------------------------|--|---|--|--|--|------------------------|--|---------------------------------------|--|
| API 43-047-53032 | | Surface Legal Location SEC 6-T10S-R18E | | Field Name UTELAND BUTTE | | State UTAH | | Well Configuration Type Horizontal | |
| Ground Elevation (ft) 5,363 | | Casing Flange Elevation (ft) 5,363.00 | | Current KB to GL (ft) 30.00 | | KB to CF (ft) 30.00 | | Spud Date 2/7/2013 08:00 | |
| | | | | | | | | Final Rig Release 3/11/2013 06:00 | |
| DOL | | Start Date | | Summary | | | | | |
| 24.0 | | 3/10/2013 | | P/U DC'S. TRIP IN. SET LINER @ 9752/4542. L/D DRILL STRING. SET RBP @ 4442. CLEAN MUD TANKS. N/D BOPE. | | | | | |



**NATIVE
NAVIGATION**

DIRECTIONAL DRILLING SPECIALISTS

QEP Energy Services

Desert Springs

DS 14G6-10-18

DS 14G6-10-18

Original Hole

Design: Original Hole

Standard Survey Report

04 April, 2013





Native Navigation
Survey Report



| | | | |
|------------------|---------------------|-------------------------------------|---------------------------|
| Company: | QEP Energy Services | Local Co-ordinate Reference: | Well DS 14G6-10-18 |
| Project: | Desert Springs | TVD Reference: | RKB @ 5393.00usft (SST88) |
| Site: | DS 14G6-10-18 | MD Reference: | RKB @ 5393.00usft (SST88) |
| Well: | DS 14G6-10-18 | North Reference: | True |
| Wellbore: | Original Hole | Survey Calculation Method: | Minimum Curvature |
| Design: | Original Hole | Database: | Compass DB Connection |

| | | | |
|--------------------|---------------------------|----------------------|-----------------------------|
| Project | Desert Springs | | |
| Map System: | US State Plane 1983 | System Datum: | Mean Sea Level |
| Geo Datum: | North American Datum 1983 | | |
| Map Zone: | Utah Central Zone | | Using geodetic scale factor |

| | | | | | |
|------------------------------|---------------|---------------------|--------------------|--------------------------|-------------|
| Site | DS 14G6-10-18 | | | | |
| Site Position: | | Northing: | 7,160,912.480 usft | Latitude: | 39.968081 |
| From: | Map | Easting: | 2,077,769.518 usft | Longitude: | -109.939428 |
| Position Uncertainty: | 0.00 usft | Slot Radius: | 13-3/16 " | Grid Convergence: | 1.00 ° |

| | | | | | | |
|-----------------------------|---------------|-----------|----------------------------|--------------------|----------------------|---------------|
| Well | DS 14G6-10-18 | | | | | |
| Well Position | +N/-S | 0.00 usft | Northing: | 7,160,912.463 usft | Latitude: | 39.968081 |
| | +E/-W | 0.00 usft | Easting: | 2,077,769.518 usft | Longitude: | -109.939428 |
| Position Uncertainty | | 0.00 usft | Wellhead Elevation: | 5,363.00 usft | Ground Level: | 5,363.00 usft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Original Hole | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF200510 | 2/20/2013 | 11.01 | 65.73 | 52,125 |

| | | | | | |
|--------------------------|--------------------------------|---------------------|---------------------|----------------------|------|
| Design | Original Hole | | | | |
| Audit Notes: | | | | | |
| Version: | 1.0 | Phase: | ACTUAL | Tie On Depth: | 0.00 |
| Vertical Section: | Depth From (TVD) (usft) | +N/-S (usft) | +E/-W (usft) | Direction (°) | |
| | 0.00 | 0.00 | 0.00 | 189.61 | |

| | | | | | |
|-----------------------|------------------|-----------------------------------|------------------|--------------------|--|
| Survey Program | Date | 4/4/2013 | | | |
| From (usft) | To (usft) | Survey (Wellbore) | Tool Name | Description | |
| 30.00 | 9,772.00 | DS 14G6-10-18 EOW (Original Hole) | MWD | MWD - Standard | |

| 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 |
| 30.00 | 0.00 | 0.00 | 30.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 691.00 | 0.30 | 122.90 | 691.00 | -0.94 | 1.45 | 0.68 | 0.05 | 0.05 | 0.00 |
| 785.00 | 0.40 | 140.30 | 785.00 | -1.33 | 1.87 | 1.00 | 0.15 | 0.11 | 18.51 |
| 877.00 | 0.30 | 108.40 | 876.99 | -1.65 | 2.30 | 1.24 | 0.23 | -0.11 | -34.67 |
| 967.00 | 2.40 | 17.70 | 966.97 | 0.07 | 3.10 | -0.59 | 2.69 | 2.33 | -100.78 |
| 1,063.00 | 2.80 | 7.10 | 1,062.87 | 4.31 | 4.00 | -4.92 | 0.65 | 0.42 | -11.04 |
| 1,158.00 | 2.20 | 353.60 | 1,157.78 | 8.43 | 4.08 | -8.99 | 0.88 | -0.63 | -14.21 |
| 1,348.00 | 0.80 | 340.10 | 1,347.71 | 13.30 | 3.23 | -13.65 | 0.75 | -0.74 | -7.11 |
| 1,443.00 | 0.60 | 303.90 | 1,442.70 | 14.20 | 2.59 | -14.43 | 0.50 | -0.21 | -38.11 |



Native Navigation
Survey Report



| | | | |
|------------------|---------------------|-------------------------------------|---------------------------|
| Company: | QEP Energy Services | Local Co-ordinate Reference: | Well DS 14G6-10-18 |
| Project: | Desert Springs | TVD Reference: | RKB @ 5393.00usft (SST88) |
| Site: | DS 14G6-10-18 | MD Reference: | RKB @ 5393.00usft (SST88) |
| Well: | DS 14G6-10-18 | North Reference: | True |
| Wellbore: | Original Hole | Survey Calculation Method: | Minimum Curvature |
| Design: | Original Hole | Database: | Compass DB Connection |

| 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) | |
| 1,538.00 | 0.40 | 295.10 | 1,537.70 | 14.62 | 1.87 | -14.73 | 0.22 | -0.21 | -9.26 | |
| 1,728.00 | 1.10 | 26.70 | 1,727.69 | 16.53 | 2.09 | -16.65 | 0.62 | 0.37 | 48.21 | |
| 1,823.00 | 0.40 | 355.10 | 1,822.68 | 17.67 | 2.47 | -17.84 | 0.83 | -0.74 | -33.26 | |
| 2,014.00 | 1.10 | 246.70 | 2,013.67 | 17.61 | 0.73 | -17.49 | 0.67 | 0.37 | -56.75 | |
| 2,109.00 | 1.30 | 235.90 | 2,108.64 | 16.65 | -1.00 | -16.25 | 0.32 | 0.21 | -11.37 | |
| 2,204.00 | 1.40 | 240.90 | 2,203.62 | 15.48 | -2.90 | -14.78 | 0.16 | 0.11 | 5.26 | |
| 2,299.00 | 1.70 | 236.80 | 2,298.58 | 14.14 | -5.10 | -13.10 | 0.34 | 0.32 | -4.32 | |
| 2,394.00 | 1.70 | 225.90 | 2,393.54 | 12.39 | -7.29 | -11.00 | 0.34 | 0.00 | -11.47 | |
| 2,489.00 | 1.80 | 221.80 | 2,488.50 | 10.30 | -9.29 | -8.60 | 0.17 | 0.11 | -4.32 | |
| 2,585.00 | 1.90 | 221.60 | 2,584.45 | 7.99 | -11.35 | -5.98 | 0.10 | 0.10 | -0.21 | |
| 2,680.00 | 2.10 | 222.20 | 2,679.39 | 5.52 | -13.57 | -3.18 | 0.21 | 0.21 | 0.63 | |
| 2,775.00 | 2.20 | 225.10 | 2,774.32 | 2.94 | -16.03 | -0.22 | 0.16 | 0.11 | 3.05 | |
| 2,870.00 | 2.20 | 224.40 | 2,869.25 | 0.35 | -18.60 | 2.76 | 0.03 | 0.00 | -0.74 | |
| 2,964.00 | 2.50 | 212.50 | 2,963.17 | -2.67 | -20.96 | 6.13 | 0.61 | 0.32 | -12.66 | |
| 3,060.00 | 2.00 | 201.20 | 3,059.10 | -5.99 | -22.69 | 9.70 | 0.69 | -0.52 | -11.77 | |
| 3,155.00 | 1.40 | 159.00 | 3,154.06 | -8.62 | -22.88 | 12.32 | 1.42 | -0.63 | -44.42 | |
| 3,250.00 | 1.30 | 167.60 | 3,249.04 | -10.76 | -22.23 | 14.32 | 0.24 | -0.11 | 9.05 | |
| 3,345.00 | 1.50 | 174.70 | 3,344.01 | -13.05 | -21.88 | 16.52 | 0.28 | 0.21 | 7.47 | |
| 3,440.00 | 1.00 | 139.20 | 3,438.99 | -14.92 | -21.23 | 18.25 | 0.95 | -0.53 | -37.37 | |
| 3,535.00 | 0.90 | 127.90 | 3,533.97 | -16.00 | -20.10 | 19.13 | 0.22 | -0.11 | -11.89 | |
| 3,630.00 | 1.10 | 135.60 | 3,628.96 | -17.11 | -18.87 | 20.02 | 0.25 | 0.21 | 8.11 | |
| 3,726.00 | 0.90 | 141.00 | 3,724.94 | -18.36 | -17.75 | 21.06 | 0.23 | -0.21 | 5.63 | |
| 3,821.00 | 1.10 | 137.90 | 3,819.93 | -19.61 | -16.67 | 22.12 | 0.22 | 0.21 | -3.26 | |
| 3,916.00 | 1.50 | 147.40 | 3,914.90 | -21.34 | -15.39 | 23.61 | 0.48 | 0.42 | 10.00 | |
| 4,010.00 | 2.20 | 154.60 | 4,008.85 | -24.00 | -13.95 | 25.99 | 0.78 | 0.74 | 7.66 | |
| 4,105.00 | 2.40 | 165.60 | 4,103.78 | -27.58 | -12.67 | 29.30 | 0.51 | 0.21 | 11.58 | |
| 4,201.00 | 2.20 | 173.10 | 4,199.70 | -31.35 | -11.95 | 32.91 | 0.38 | -0.21 | 7.81 | |
| 4,295.00 | 2.30 | 177.30 | 4,293.63 | -35.03 | -11.65 | 36.48 | 0.21 | 0.11 | 4.47 | |
| 4,390.00 | 2.60 | 173.30 | 4,388.54 | -39.07 | -11.31 | 40.41 | 0.36 | 0.32 | -4.21 | |
| 4,485.00 | 3.10 | 178.10 | 4,483.42 | -43.78 | -10.97 | 45.00 | 0.58 | 0.53 | 5.05 | |
| 4,543.00 | 3.50 | 183.80 | 4,541.33 | -47.11 | -11.03 | 48.29 | 0.89 | 0.69 | 9.83 | |
| 4,631.00 | 2.90 | 176.60 | 4,629.19 | -52.02 | -11.08 | 53.14 | 0.82 | -0.68 | -8.18 | |
| 4,662.00 | 2.80 | 175.50 | 4,660.15 | -53.55 | -10.97 | 54.63 | 0.37 | -0.32 | -3.55 | |
| 4,694.00 | 6.30 | 192.20 | 4,692.05 | -56.05 | -11.28 | 57.15 | 11.58 | 10.94 | 52.19 | |
| 4,726.00 | 12.00 | 201.60 | 4,723.63 | -60.86 | -12.88 | 62.16 | 18.36 | 17.81 | 29.38 | |
| 4,757.00 | 16.50 | 206.30 | 4,753.67 | -67.81 | -16.02 | 69.53 | 14.98 | 14.52 | 15.16 | |
| 4,789.00 | 19.60 | 204.00 | 4,784.09 | -76.79 | -20.22 | 79.09 | 9.94 | 9.69 | -7.19 | |
| 4,820.00 | 24.00 | 201.60 | 4,812.87 | -87.41 | -24.66 | 90.29 | 14.48 | 14.19 | -7.74 | |
| 4,852.00 | 28.10 | 198.60 | 4,841.61 | -100.61 | -29.46 | 104.11 | 13.45 | 12.81 | -9.38 | |
| 4,884.00 | 30.30 | 196.40 | 4,869.54 | -115.49 | -34.14 | 119.57 | 7.65 | 6.88 | -6.88 | |
| 4,915.00 | 31.40 | 190.70 | 4,896.16 | -130.94 | -37.85 | 135.42 | 10.07 | 3.55 | -18.39 | |
| 4,947.00 | 34.50 | 188.30 | 4,923.01 | -148.10 | -40.71 | 152.82 | 10.51 | 9.69 | -7.50 | |
| 4,979.00 | 37.20 | 188.00 | 4,948.95 | -166.65 | -43.36 | 171.55 | 8.46 | 8.44 | -0.94 | |
| 5,010.00 | 39.80 | 188.50 | 4,973.21 | -185.75 | -46.13 | 190.84 | 8.45 | 8.39 | 1.61 | |



Native Navigation
Survey Report



| | | | |
|------------------|---------------------|-------------------------------------|---------------------------|
| Company: | QEP Energy Services | Local Co-ordinate Reference: | Well DS 14G6-10-18 |
| Project: | Desert Springs | TVD Reference: | RKB @ 5393.00usft (SST88) |
| Site: | DS 14G6-10-18 | MD Reference: | RKB @ 5393.00usft (SST88) |
| Well: | DS 14G6-10-18 | North Reference: | True |
| Wellbore: | Original Hole | Survey Calculation Method: | Minimum Curvature |
| Design: | Original Hole | Database: | Compass DB Connection |

| 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) |
|-----------------------|-----------------|-------------|-----------------------|-------------|-------------|-------------------------|-------------------------|------------------------|-----------------------|
| 5,041.00 | 41.50 | 188.70 | 4,996.73 | -205.71 | -49.15 | 211.03 | 5.50 | 5.48 | 0.65 |
| 5,073.00 | 44.70 | 189.30 | 5,020.09 | -227.30 | -52.58 | 232.89 | 10.08 | 10.00 | 1.88 |
| 5,105.00 | 48.20 | 189.90 | 5,042.13 | -250.17 | -56.45 | 256.08 | 11.02 | 10.94 | 1.88 |
| 5,136.00 | 50.50 | 190.00 | 5,062.33 | -273.33 | -60.51 | 279.60 | 7.42 | 7.42 | 0.32 |
| 5,168.00 | 52.60 | 190.20 | 5,082.22 | -298.00 | -64.91 | 304.66 | 6.58 | 6.56 | 0.63 |
| 5,199.00 | 56.70 | 192.30 | 5,100.16 | -322.79 | -69.85 | 329.92 | 14.33 | 13.23 | 6.77 |
| 5,231.00 | 60.80 | 194.30 | 5,116.76 | -349.41 | -76.15 | 357.21 | 13.88 | 12.81 | 6.25 |
| 5,262.00 | 64.50 | 194.00 | 5,131.00 | -376.10 | -82.88 | 384.66 | 11.97 | 11.94 | -0.97 |
| 5,294.00 | 67.30 | 192.50 | 5,144.06 | -404.53 | -89.57 | 413.81 | 9.74 | 8.75 | -4.69 |
| 5,325.00 | 69.20 | 192.20 | 5,155.55 | -432.66 | -95.73 | 442.56 | 6.19 | 6.13 | -0.97 |
| 5,357.00 | 69.60 | 191.80 | 5,166.81 | -461.96 | -101.95 | 472.49 | 1.71 | 1.25 | -1.25 |
| 5,388.00 | 72.00 | 190.70 | 5,177.00 | -490.67 | -107.66 | 501.75 | 8.44 | 7.74 | -3.55 |
| 5,420.00 | 76.70 | 191.30 | 5,185.63 | -520.90 | -113.54 | 532.55 | 14.80 | 14.69 | 1.88 |
| 5,452.00 | 82.60 | 192.80 | 5,191.38 | -551.68 | -120.12 | 563.98 | 19.00 | 18.44 | 4.69 |
| 5,483.00 | 85.40 | 193.10 | 5,194.62 | -581.72 | -127.02 | 594.76 | 9.08 | 9.03 | 0.97 |
| 5,515.00 | 86.60 | 193.10 | 5,196.85 | -612.81 | -134.26 | 626.62 | 3.75 | 3.75 | 0.00 |
| 5,546.00 | 90.50 | 193.60 | 5,197.64 | -642.96 | -141.41 | 657.54 | 12.68 | 12.58 | 1.61 |
| 5,578.00 | 93.10 | 194.30 | 5,196.63 | -673.99 | -149.12 | 689.43 | 8.41 | 8.13 | 2.19 |
| 5,593.00 | 93.60 | 193.30 | 5,195.75 | -688.54 | -152.69 | 704.36 | 7.44 | 3.33 | -6.67 |
| 5,625.00 | 93.70 | 193.20 | 5,193.72 | -719.62 | -160.01 | 736.23 | 0.44 | 0.31 | -0.31 |
| 5,656.00 | 92.60 | 194.70 | 5,192.01 | -749.66 | -167.48 | 767.10 | 5.99 | -3.55 | 4.84 |
| 5,688.00 | 93.20 | 195.40 | 5,190.39 | -780.52 | -175.77 | 798.91 | 2.88 | 1.88 | 2.19 |
| 5,719.00 | 93.50 | 196.00 | 5,188.58 | -810.31 | -184.15 | 829.68 | 2.16 | 0.97 | 1.94 |
| 5,751.00 | 93.20 | 196.00 | 5,186.71 | -841.02 | -192.95 | 861.43 | 0.94 | -0.94 | 0.00 |
| 5,783.00 | 95.70 | 196.70 | 5,184.23 | -871.63 | -201.93 | 893.11 | 8.11 | 7.81 | 2.19 |
| 5,815.00 | 93.40 | 195.60 | 5,181.69 | -902.27 | -210.81 | 924.80 | 7.96 | -7.19 | -3.44 |
| 5,846.00 | 91.80 | 195.20 | 5,180.29 | -932.13 | -219.03 | 955.61 | 5.32 | -5.16 | -1.29 |
| 5,878.00 | 89.10 | 194.40 | 5,180.03 | -963.06 | -227.20 | 987.47 | 8.80 | -8.44 | -2.50 |
| 5,910.00 | 89.80 | 194.80 | 5,180.34 | -994.02 | -235.27 | 1,019.35 | 2.52 | 2.19 | 1.25 |
| 5,941.00 | 89.90 | 195.00 | 5,180.42 | -1,023.98 | -243.24 | 1,050.22 | 0.72 | 0.32 | 0.65 |
| 5,973.00 | 91.10 | 194.50 | 5,180.14 | -1,054.93 | -251.39 | 1,082.09 | 4.06 | 3.75 | -1.56 |
| 6,004.00 | 91.30 | 194.00 | 5,179.49 | -1,084.97 | -259.02 | 1,112.98 | 1.74 | 0.65 | -1.61 |
| 6,036.00 | 92.20 | 194.30 | 5,178.52 | -1,115.98 | -266.83 | 1,144.86 | 2.96 | 2.81 | 0.94 |
| 6,067.00 | 92.80 | 194.30 | 5,177.16 | -1,145.99 | -274.48 | 1,175.73 | 1.94 | 1.94 | 0.00 |
| 6,099.00 | 93.20 | 194.30 | 5,175.49 | -1,176.96 | -282.38 | 1,207.58 | 1.25 | 1.25 | 0.00 |
| 6,131.00 | 92.70 | 192.80 | 5,173.84 | -1,208.02 | -289.86 | 1,239.46 | 4.94 | -1.56 | -4.69 |
| 6,162.00 | 92.50 | 192.20 | 5,172.44 | -1,238.26 | -296.57 | 1,270.39 | 2.04 | -0.65 | -1.94 |
| 6,194.00 | 91.20 | 191.40 | 5,171.40 | -1,269.56 | -303.11 | 1,302.35 | 4.77 | -4.06 | -2.50 |
| 6,225.00 | 90.50 | 189.40 | 5,170.94 | -1,300.05 | -308.70 | 1,333.34 | 6.83 | -2.26 | -6.45 |
| 6,257.00 | 90.60 | 188.20 | 5,170.64 | -1,331.67 | -313.60 | 1,365.33 | 3.76 | 0.31 | -3.75 |
| 6,289.00 | 90.20 | 187.10 | 5,170.41 | -1,363.38 | -317.86 | 1,397.31 | 3.66 | -1.25 | -3.44 |
| 6,321.00 | 90.00 | 187.10 | 5,170.36 | -1,395.14 | -321.81 | 1,429.28 | 0.63 | -0.63 | 0.00 |
| 6,352.00 | 90.40 | 186.90 | 5,170.25 | -1,425.91 | -325.59 | 1,460.25 | 1.44 | 1.29 | -0.65 |



Native Navigation
Survey Report



| | | | |
|------------------|---------------------|-------------------------------------|---------------------------|
| Company: | QEP Energy Services | Local Co-ordinate Reference: | Well DS 14G6-10-18 |
| Project: | Desert Springs | TVD Reference: | RKB @ 5393.00usft (SST88) |
| Site: | DS 14G6-10-18 | MD Reference: | RKB @ 5393.00usft (SST88) |
| Well: | DS 14G6-10-18 | North Reference: | True |
| Wellbore: | Original Hole | Survey Calculation Method: | Minimum Curvature |
| Design: | Original Hole | Database: | Compass DB Connection |

| 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) | |
| 6,384.00 | 90.90 | 186.70 | 5,169.89 | -1,457.68 | -329.38 | 1,492.21 | 1.68 | 1.56 | -0.63 | |
| 6,415.00 | 92.90 | 186.80 | 5,168.86 | -1,488.45 | -333.02 | 1,523.15 | 6.46 | 6.45 | 0.32 | |
| 6,447.00 | 93.10 | 186.80 | 5,167.18 | -1,520.18 | -336.80 | 1,555.07 | 0.63 | 0.63 | 0.00 | |
| 6,479.00 | 93.20 | 186.60 | 5,165.42 | -1,551.91 | -340.53 | 1,586.98 | 0.70 | 0.31 | -0.63 | |
| 6,510.00 | 93.50 | 186.70 | 5,163.61 | -1,582.65 | -344.12 | 1,617.89 | 1.02 | 0.97 | 0.32 | |
| 6,542.00 | 95.10 | 187.50 | 5,161.21 | -1,614.31 | -348.06 | 1,649.76 | 5.59 | 5.00 | 2.50 | |
| 6,573.00 | 93.50 | 187.00 | 5,158.89 | -1,644.98 | -351.96 | 1,680.65 | 5.41 | -5.16 | -1.61 | |
| 6,605.00 | 90.60 | 186.40 | 5,157.75 | -1,676.74 | -355.69 | 1,712.58 | 9.25 | -9.06 | -1.88 | |
| 6,637.00 | 89.70 | 186.40 | 5,157.66 | -1,708.54 | -359.26 | 1,744.53 | 2.81 | -2.81 | 0.00 | |
| 6,668.00 | 89.40 | 186.20 | 5,157.90 | -1,739.35 | -362.66 | 1,775.48 | 1.16 | -0.97 | -0.65 | |
| 6,700.00 | 91.60 | 186.60 | 5,157.63 | -1,771.15 | -366.23 | 1,807.43 | 6.99 | 6.88 | 1.25 | |
| 6,732.00 | 92.30 | 186.40 | 5,156.54 | -1,802.92 | -369.85 | 1,839.36 | 2.27 | 2.19 | -0.63 | |
| 6,763.00 | 92.80 | 186.50 | 5,155.16 | -1,833.70 | -373.33 | 1,870.28 | 1.64 | 1.61 | 0.32 | |
| 6,795.00 | 92.90 | 186.60 | 5,153.57 | -1,865.45 | -376.97 | 1,902.20 | 0.44 | 0.31 | 0.31 | |
| 6,827.00 | 93.00 | 186.30 | 5,151.92 | -1,897.20 | -380.56 | 1,934.11 | 0.99 | 0.31 | -0.94 | |
| 6,858.00 | 93.10 | 186.10 | 5,150.27 | -1,927.98 | -383.90 | 1,965.01 | 0.72 | 0.32 | -0.65 | |
| 6,890.00 | 90.60 | 184.80 | 5,149.24 | -1,959.81 | -386.94 | 1,996.91 | 8.80 | -7.81 | -4.06 | |
| 6,922.00 | 89.90 | 184.40 | 5,149.10 | -1,991.71 | -389.51 | 2,028.78 | 2.52 | -2.19 | -1.25 | |
| 6,954.00 | 90.00 | 184.20 | 5,149.13 | -2,023.62 | -391.91 | 2,060.65 | 0.70 | 0.31 | -0.63 | |
| 6,985.00 | 91.20 | 184.40 | 5,148.80 | -2,054.53 | -394.23 | 2,091.51 | 3.92 | 3.87 | 0.65 | |
| 7,017.00 | 91.40 | 184.40 | 5,148.07 | -2,086.43 | -396.69 | 2,123.37 | 0.63 | 0.63 | 0.00 | |
| 7,048.00 | 93.30 | 184.80 | 5,146.80 | -2,117.30 | -399.17 | 2,154.22 | 6.26 | 6.13 | 1.29 | |
| 7,080.00 | 93.10 | 185.60 | 5,145.02 | -2,149.12 | -402.07 | 2,186.08 | 2.57 | -0.63 | 2.50 | |
| 7,111.00 | 91.70 | 186.20 | 5,143.72 | -2,179.93 | -405.25 | 2,216.99 | 4.91 | -4.52 | 1.94 | |
| 7,143.00 | 92.00 | 186.10 | 5,142.69 | -2,211.73 | -408.68 | 2,248.91 | 0.99 | 0.94 | -0.31 | |
| 7,175.00 | 92.40 | 186.00 | 5,141.46 | -2,243.52 | -412.05 | 2,280.83 | 1.29 | 1.25 | -0.31 | |
| 7,207.00 | 93.20 | 186.40 | 5,139.89 | -2,275.30 | -415.50 | 2,312.73 | 2.79 | 2.50 | 1.25 | |
| 7,238.00 | 93.50 | 186.00 | 5,138.08 | -2,306.06 | -418.84 | 2,343.62 | 1.61 | 0.97 | -1.29 | |
| 7,270.00 | 93.10 | 185.80 | 5,136.24 | -2,337.84 | -422.12 | 2,375.50 | 1.40 | -1.25 | -0.63 | |
| 7,301.00 | 93.70 | 186.20 | 5,134.40 | -2,368.62 | -425.36 | 2,406.39 | 2.32 | 1.94 | 1.29 | |
| 7,333.00 | 94.20 | 186.30 | 5,132.20 | -2,400.35 | -428.83 | 2,438.26 | 1.59 | 1.56 | 0.31 | |
| 7,365.00 | 92.60 | 186.40 | 5,130.30 | -2,432.10 | -432.37 | 2,470.15 | 5.01 | -5.00 | 0.31 | |
| 7,396.00 | 91.70 | 186.40 | 5,129.14 | -2,462.88 | -435.82 | 2,501.08 | 2.90 | -2.90 | 0.00 | |
| 7,428.00 | 91.50 | 186.70 | 5,128.24 | -2,494.66 | -439.47 | 2,533.02 | 1.13 | -0.63 | 0.94 | |
| 7,459.00 | 91.60 | 186.30 | 5,127.41 | -2,525.45 | -442.98 | 2,563.96 | 1.33 | 0.32 | -1.29 | |
| 7,491.00 | 91.50 | 186.20 | 5,126.54 | -2,557.25 | -446.46 | 2,595.89 | 0.44 | -0.31 | -0.31 | |
| 7,522.00 | 91.60 | 186.00 | 5,125.70 | -2,588.06 | -449.75 | 2,626.83 | 0.72 | 0.32 | -0.65 | |
| 7,554.00 | 92.00 | 186.20 | 5,124.70 | -2,619.87 | -453.15 | 2,658.75 | 1.40 | 1.25 | 0.63 | |
| 7,586.00 | 91.60 | 185.40 | 5,123.69 | -2,651.69 | -456.38 | 2,690.66 | 2.79 | -1.25 | -2.50 | |
| 7,618.00 | 90.20 | 185.60 | 5,123.19 | -2,683.53 | -459.45 | 2,722.58 | 4.42 | -4.38 | 0.63 | |
| 7,649.00 | 89.90 | 185.40 | 5,123.16 | -2,714.39 | -462.42 | 2,753.50 | 1.16 | -0.97 | -0.65 | |
| 7,681.00 | 91.40 | 185.60 | 5,122.80 | -2,746.24 | -465.49 | 2,785.41 | 4.73 | 4.69 | 0.63 | |
| 7,712.00 | 91.40 | 185.70 | 5,122.04 | -2,777.08 | -468.54 | 2,816.33 | 0.32 | 0.00 | 0.32 | |



Native Navigation
Survey Report



| | | | |
|------------------|---------------------|-------------------------------------|---------------------------|
| Company: | QEP Energy Services | Local Co-ordinate Reference: | Well DS 14G6-10-18 |
| Project: | Desert Springs | TVD Reference: | RKB @ 5393.00usft (SST88) |
| Site: | DS 14G6-10-18 | MD Reference: | RKB @ 5393.00usft (SST88) |
| Well: | DS 14G6-10-18 | North Reference: | True |
| Wellbore: | Original Hole | Survey Calculation Method: | Minimum Curvature |
| Design: | Original Hole | Database: | Compass DB Connection |

| 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) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 7,744.00 | 91.30 | 185.60 | 5,121.29 | -2,808.92 | -471.69 | 2,848.24 | 0.44 | -0.31 | -0.31 |
| 7,776.00 | 92.30 | 185.70 | 5,120.28 | -2,840.74 | -474.84 | 2,880.15 | 3.14 | 3.13 | 0.31 |
| 7,798.00 | 91.90 | 185.00 | 5,119.48 | -2,862.63 | -476.89 | 2,902.07 | 3.66 | -1.82 | -3.18 |
| 7,829.00 | 92.40 | 186.00 | 5,118.31 | -2,893.47 | -479.86 | 2,932.97 | 3.60 | 1.61 | 3.23 |
| 7,861.00 | 92.60 | 186.60 | 5,116.86 | -2,925.24 | -483.36 | 2,964.89 | 2.25 | 1.25 | 1.88 |
| 7,893.00 | 92.40 | 186.40 | 5,115.41 | -2,957.00 | -486.98 | 2,996.81 | 1.40 | -1.25 | -0.63 |
| 7,924.00 | 91.70 | 186.00 | 5,114.30 | -2,987.80 | -490.33 | 3,027.73 | 2.60 | -2.26 | -1.29 |
| 7,956.00 | 92.40 | 186.20 | 5,113.16 | -3,019.60 | -493.73 | 3,059.65 | 2.27 | 2.19 | 0.63 |
| 7,988.00 | 93.40 | 187.10 | 5,111.54 | -3,051.34 | -497.43 | 3,091.57 | 4.20 | 3.13 | 2.81 |
| 8,019.00 | 95.30 | 187.40 | 5,109.19 | -3,082.01 | -501.33 | 3,122.45 | 6.20 | 6.13 | 0.97 |
| 8,051.00 | 95.20 | 187.20 | 5,106.26 | -3,113.61 | -505.38 | 3,154.29 | 0.70 | -0.31 | -0.63 |
| 8,082.00 | 94.80 | 187.00 | 5,103.56 | -3,144.26 | -509.19 | 3,185.14 | 1.44 | -1.29 | -0.65 |
| 8,114.00 | 93.10 | 186.70 | 5,101.35 | -3,175.95 | -513.00 | 3,217.03 | 5.39 | -5.31 | -0.94 |
| 8,146.00 | 92.40 | 186.90 | 5,099.82 | -3,207.69 | -516.79 | 3,248.95 | 2.27 | -2.19 | 0.63 |
| 8,177.00 | 91.20 | 187.20 | 5,098.84 | -3,238.44 | -520.59 | 3,279.90 | 3.99 | -3.87 | 0.97 |
| 8,209.00 | 91.40 | 187.60 | 5,098.12 | -3,270.17 | -524.71 | 3,311.87 | 1.40 | 0.63 | 1.25 |
| 8,241.00 | 92.00 | 188.20 | 5,097.17 | -3,301.85 | -529.11 | 3,343.84 | 2.65 | 1.88 | 1.88 |
| 8,272.00 | 92.00 | 187.90 | 5,096.09 | -3,332.52 | -533.44 | 3,374.81 | 0.97 | 0.00 | -0.97 |
| 8,304.00 | 91.90 | 187.80 | 5,095.00 | -3,364.21 | -537.81 | 3,406.78 | 0.44 | -0.31 | -0.31 |
| 8,336.00 | 92.70 | 189.30 | 5,093.71 | -3,395.82 | -542.56 | 3,438.75 | 5.31 | 2.50 | 4.69 |
| 8,368.00 | 92.50 | 189.20 | 5,092.26 | -3,427.38 | -547.70 | 3,470.71 | 0.70 | -0.63 | -0.31 |
| 8,399.00 | 92.40 | 189.10 | 5,090.94 | -3,457.95 | -552.63 | 3,501.68 | 0.46 | -0.32 | -0.32 |
| 8,431.00 | 91.90 | 188.60 | 5,089.73 | -3,489.55 | -557.55 | 3,533.66 | 2.21 | -1.56 | -1.56 |
| 8,462.00 | 91.90 | 188.80 | 5,088.71 | -3,520.18 | -562.23 | 3,564.64 | 0.64 | 0.00 | 0.65 |
| 8,494.00 | 91.70 | 188.30 | 5,087.70 | -3,551.81 | -566.99 | 3,596.62 | 1.68 | -0.63 | -1.56 |
| 8,525.00 | 92.00 | 188.30 | 5,086.70 | -3,582.46 | -571.46 | 3,627.59 | 0.97 | 0.97 | 0.00 |
| 8,557.00 | 92.40 | 189.00 | 5,085.47 | -3,614.08 | -576.27 | 3,659.56 | 2.52 | 1.25 | 2.19 |
| 8,589.00 | 92.90 | 189.40 | 5,083.99 | -3,645.63 | -581.38 | 3,691.53 | 2.00 | 1.56 | 1.25 |
| 8,621.00 | 92.40 | 188.90 | 5,082.51 | -3,677.19 | -586.47 | 3,723.49 | 2.21 | -1.56 | -1.56 |
| 8,652.00 | 92.80 | 189.50 | 5,081.11 | -3,707.76 | -591.42 | 3,754.46 | 2.32 | 1.29 | 1.94 |
| 8,684.00 | 93.00 | 190.20 | 5,079.49 | -3,739.25 | -596.88 | 3,786.42 | 2.27 | 0.63 | 2.19 |
| 8,716.00 | 92.00 | 189.80 | 5,078.09 | -3,770.73 | -602.44 | 3,818.39 | 3.37 | -3.13 | -1.25 |
| 8,747.00 | 90.60 | 190.30 | 5,077.39 | -3,801.25 | -607.84 | 3,849.38 | 4.80 | -4.52 | 1.61 |
| 8,779.00 | 90.00 | 190.30 | 5,077.22 | -3,832.73 | -613.56 | 3,881.38 | 1.88 | -1.88 | 0.00 |
| 8,811.00 | 90.30 | 190.10 | 5,077.14 | -3,864.22 | -619.23 | 3,913.37 | 1.13 | 0.94 | -0.63 |
| 8,843.00 | 90.60 | 190.10 | 5,076.89 | -3,895.73 | -624.84 | 3,945.37 | 0.94 | 0.94 | 0.00 |
| 8,874.00 | 91.20 | 190.30 | 5,076.40 | -3,926.23 | -630.33 | 3,976.37 | 2.04 | 1.94 | 0.65 |
| 8,906.00 | 92.50 | 190.70 | 5,075.37 | -3,957.68 | -636.16 | 4,008.34 | 4.25 | 4.06 | 1.25 |
| 8,938.00 | 92.70 | 190.70 | 5,073.92 | -3,989.09 | -642.10 | 4,040.31 | 0.63 | 0.63 | 0.00 |
| 8,969.00 | 92.60 | 190.60 | 5,072.48 | -4,019.53 | -647.82 | 4,071.27 | 0.46 | -0.32 | -0.32 |
| 9,001.00 | 92.00 | 190.50 | 5,071.20 | -4,050.96 | -653.67 | 4,103.24 | 1.90 | -1.88 | -0.31 |
| 9,033.00 | 91.50 | 190.70 | 5,070.22 | -4,082.40 | -659.56 | 4,135.22 | 1.68 | -1.56 | 0.63 |
| 9,065.00 | 91.60 | 190.80 | 5,069.35 | -4,113.82 | -665.52 | 4,167.20 | 0.44 | 0.31 | 0.31 |
| 9,096.00 | 91.50 | 190.40 | 5,068.52 | -4,144.28 | -671.22 | 4,198.18 | 1.33 | -0.32 | -1.29 |



Native Navigation
Survey Report



| | | | |
|------------------|---------------------|-------------------------------------|---------------------------|
| Company: | QEP Energy Services | Local Co-ordinate Reference: | Well DS 14G6-10-18 |
| Project: | Desert Springs | TVD Reference: | RKB @ 5393.00usft (SST88) |
| Site: | DS 14G6-10-18 | MD Reference: | RKB @ 5393.00usft (SST88) |
| Well: | DS 14G6-10-18 | North Reference: | True |
| Wellbore: | Original Hole | Survey Calculation Method: | Minimum Curvature |
| Design: | Original Hole | Database: | Compass DB Connection |

| 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) |
| 9,128.00 | 91.50 | 190.50 | 5,067.68 | -4,175.74 | -677.03 | 4,230.17 | 0.31 | 0.00 | 0.31 |
| 9,160.00 | 91.70 | 190.70 | 5,066.79 | -4,207.18 | -682.91 | 4,262.15 | 0.88 | 0.63 | 0.63 |
| 9,191.00 | 91.80 | 190.70 | 5,065.84 | -4,237.63 | -688.66 | 4,293.13 | 0.32 | 0.32 | 0.00 |
| 9,223.00 | 91.80 | 191.00 | 5,064.83 | -4,269.04 | -694.68 | 4,325.11 | 0.94 | 0.00 | 0.94 |
| 9,255.00 | 91.80 | 191.40 | 5,063.83 | -4,300.42 | -700.90 | 4,357.08 | 1.25 | 0.00 | 1.25 |
| 9,286.00 | 91.70 | 191.50 | 5,062.88 | -4,330.79 | -707.05 | 4,388.05 | 0.46 | -0.32 | 0.32 |
| 9,317.00 | 92.30 | 192.10 | 5,061.80 | -4,361.11 | -713.38 | 4,419.01 | 2.74 | 1.94 | 1.94 |
| 9,349.00 | 92.20 | 192.20 | 5,060.54 | -4,392.37 | -720.11 | 4,450.95 | 0.44 | -0.31 | 0.31 |
| 9,381.00 | 92.40 | 192.20 | 5,059.26 | -4,423.62 | -726.87 | 4,482.89 | 0.63 | 0.63 | 0.00 |
| 9,412.00 | 92.10 | 192.40 | 5,058.04 | -4,453.89 | -733.47 | 4,513.83 | 1.16 | -0.97 | 0.65 |
| 9,444.00 | 92.30 | 192.80 | 5,056.81 | -4,485.10 | -740.44 | 4,545.77 | 1.40 | 0.63 | 1.25 |
| 9,476.00 | 92.00 | 192.70 | 5,055.61 | -4,516.29 | -747.50 | 4,577.70 | 0.99 | -0.94 | -0.31 |
| 9,508.00 | 91.10 | 192.30 | 5,054.75 | -4,547.51 | -754.42 | 4,609.64 | 3.08 | -2.81 | -1.25 |
| 9,539.00 | 91.30 | 192.40 | 5,054.10 | -4,577.79 | -761.05 | 4,640.60 | 0.72 | 0.65 | 0.32 |
| 9,571.00 | 91.80 | 193.00 | 5,053.23 | -4,609.00 | -768.09 | 4,672.54 | 2.44 | 1.56 | 1.88 |
| 9,603.00 | 92.00 | 193.00 | 5,052.17 | -4,640.16 | -775.28 | 4,704.47 | 0.63 | 0.63 | 0.00 |
| 9,635.00 | 91.50 | 192.90 | 5,051.19 | -4,671.33 | -782.45 | 4,736.40 | 1.59 | -1.56 | -0.31 |
| 9,666.00 | 90.30 | 192.90 | 5,050.71 | -4,701.54 | -789.37 | 4,767.34 | 3.87 | -3.87 | 0.00 |
| 9,698.00 | 90.00 | 193.00 | 5,050.62 | -4,732.73 | -796.54 | 4,799.29 | 0.99 | -0.94 | 0.31 |
| 9,729.00 | 90.00 | 193.20 | 5,050.62 | -4,762.92 | -803.56 | 4,830.23 | 0.65 | 0.00 | 0.65 |
| 9,772.00 | 90.00 | 193.20 | 5,050.62 | -4,804.79 | -813.38 | 4,873.15 | 0.00 | 0.00 | 0.00 |

Checked By: _____ Approved By: _____ Date: _____