

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

FORM 3

AMENDED REPORT

<b>APPLICATION FOR PERMIT TO DRILL</b>		<b>1. WELL NAME and NUMBER</b> WR 8G-4-10-17
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>		<b>3. FIELD OR WILDCAT</b> UNDESIGNATED
<b>4. TYPE OF WELL</b> Oil Well      Coalbed Methane Well: NO		<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b> SCYLLA (GR)
<b>6. NAME OF OPERATOR</b> QEP ENERGY COMPANY		<b>7. OPERATOR PHONE</b> 303 308-3068
<b>8. ADDRESS OF OPERATOR</b> 11002 East 17500 South, Vernal, Ut, 84078		<b>9. OPERATOR E-MAIL</b> debbie.stanberry@qepres.com
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> UTU75080	<b>11. MINERAL OWNERSHIP</b> FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>	<b>12. SURFACE OWNERSHIP</b> FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b>		<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b>
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b>		<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>	<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>	<b>19. SLANT</b> 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	1961 FNL 1115 FEL	SENE	4	10.0 S	17.0 E	S
Top of Uppermost Producing Zone	1961 FNL 1115 FEL	SENE	4	10.0 S	17.0 E	S
At Total Depth	1961 FNL 1115 FEL	SENE	4	10.0 S	17.0 E	S

<b>21. COUNTY</b> DUCHESNE	<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 1115	<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 40
<b>27. ELEVATION - GROUND LEVEL</b> 5548	<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completion)</b> 2000	<b>26. PROPOSED DEPTH</b> MD: 9742    TVD: 5173
	<b>28. BOND NUMBER</b> ESB000024	<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> 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 - 43	36.0	J-55 ST&C	0.0	Rockies Lite	170	1.81	13.5
PROD	8.75		0 - 4754	26.0	N-80 LT&C	9.0	Rockies Lite	825	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

<b>NAME</b> Valyn Davis	<b>TITLE</b> Regulatory Affairs Analyst	<b>PHONE</b> 435 781-4369
<b>SIGNATURE</b>	<b>DATE</b> 12/12/2012	<b>EMAIL</b> Valyn.Davis@qepres.com
<b>API NUMBER ASSIGNED</b> 43047533850000		<b>APPROVAL</b>

# QEP ENERGY COMPANY

WR 8G4-10-17

API: 43-013-

## 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 4,754'.
7. RIH with 7" 26# N-80.
8. Cement casing.
9. Drill out cement and drill to KOP of 4,854'.
10. Build curve per directional plan to land in the Uteland Butte "C" Lime.
11. Drill ~4,120' of lateral in the Uteland Butte "C" Lime at ~182.28° 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" slotted liner and blank pipe and run to TD.
  - a. Land liner top at 4,694', 60' above the window.
  - 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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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	4,854'	4,854'
Uteland Butte C Lime	5,330'	5,567'
TD	5,173'	9,742'

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

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

<u>Substance</u>	<u>Formation</u>	<u>Depth, TVD</u>	<u>Depth, MD</u>
Oil/Gas	Uteland Butte C Lime	5,330 – 5,173'	5,567' – 9,742'

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.

**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	80'	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	4,754'	26.0	N-80	LTC	New	8-9 ppg

Casing Strengths:				Collapse	Burst	Tensile (minimum)
9 5/8"	36.0 lb.	J-55	STC	2,070 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 slotted liner and casing landed 30' off bottom.

Lateral:

Hole Size	Casing Size	Top, MD	Bottom, MD	Weight	Grade	MW
6 1/8"	4 1/2"	4,694'	9,712'	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.

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 ft<sup>3</sup>/sk, Slurry volume: 12-1/4" hole + 100% excess.

**7" Intermediate Casing: sfc – 4,754' (MD)**

**Lead/Tail Slurry:** 825 sks (1,023 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 ft<sup>3</sup>/sk, Slurry volume: 8-3/4" hole + 40% excess over caliper.

**S Lateral: 4,754' – 9,742'**

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 FVT 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

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.
- j. **Kill Fluid to control well** – In lieu of having mud products on location to kill the well for an unanticipated kick, Questar will kill the well with water contained in a 400 bbl tank on site. The 400 bbl water tank will also be storage for surface casing cement water.
- k. **Deflector on the end of the blooie line** – Questar will mount a deflector unit at the end of the blooie line for the purpose of changing the direction and velocity of the air and cuttings flow into the reserve pit. Changing the velocity and direction of the cuttings and air will preserve the pit liner. In the event the deflector washes out due to erosion caused by the sand blasting effect of the cuttings, there will be no problem because the deflector is mounted on the very end of the blooie. A washed out deflector will be easily replaced.
- l. **Flare Pit** – there will be no need of a flare pit during the surface hole air drilling operation because the blooie line is routed directly to the reserve pit. When the big rig arrives for the main drilling after setting surface casing, a flare box will be installed and all flare lines will be routed to the flare box.

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

Surface hole will be drilled with air, air/mist, foam, or mud depending on hole conditions. Production holes will be with water based drilling fluids consisting primarily of fresh water, bentonite, lignite, caustic, lime, soda ash and polymers. Maximum anticipated mud weight is 9.5 ppg.

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**

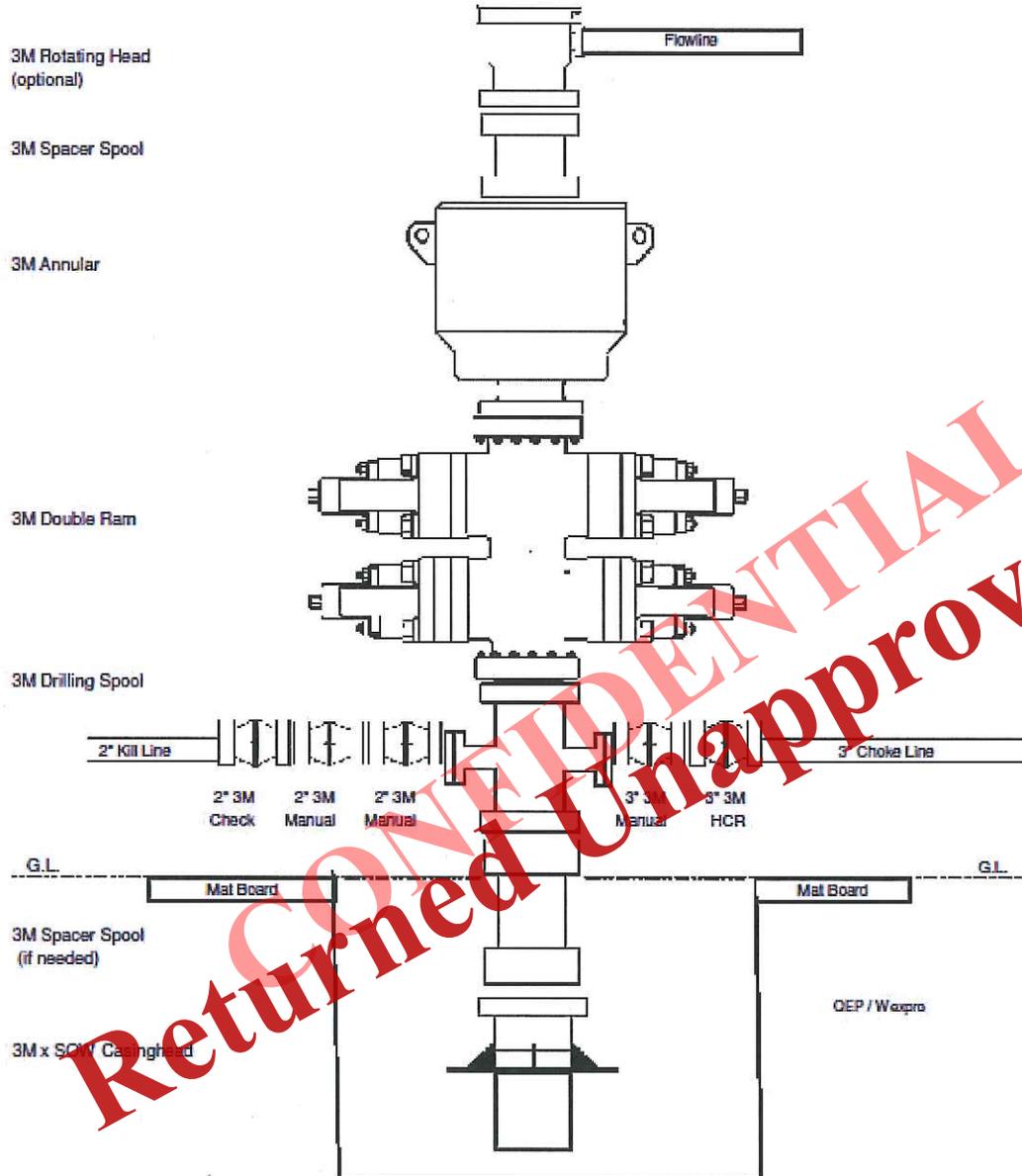
- a. Cores – None Anticipated
- b. DST – None Anticipated
- c. Logging:
  - i. Mud logging from casing exit to TD
  - ii. MWD-GR will be utilized during drilling operations to aid in landing the curve and maintaining the laterals within the desired zone.
- d. Formation and completion interval: G1 Lime 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**

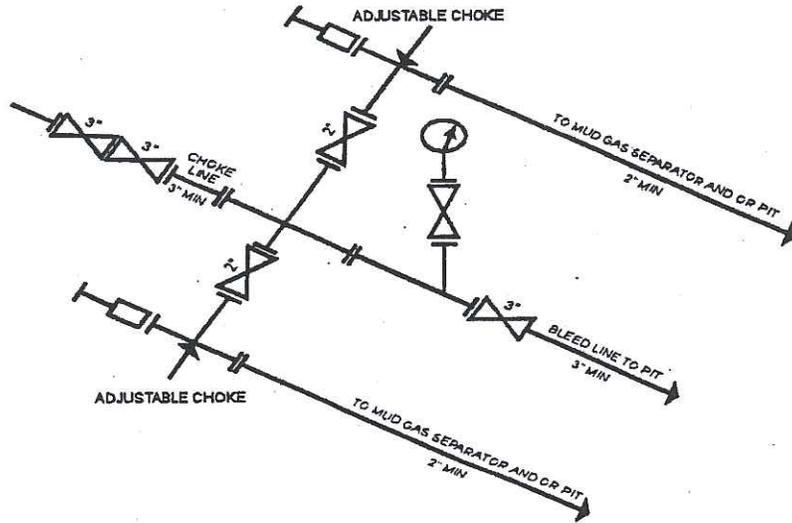
No abnormal temperatures or pressures are anticipated. No H<sub>2</sub>S has been encountered or is known to exist from previous wells drilled to similar depths in the general area. Maximum anticipated bottom-hole pressure equals approximately 2,720 psi. Maximum anticipated bottom hole temperature is approximately 150°F.

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**QUESTAR / WEXPRO**  
**3M BOP x 3M Annular**  
 Minimum Requirements



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

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**WR 8G4-10-17**

Updated 12-05-2012 CRA

API # 43-013

Proposed WBD

Uinta Basin

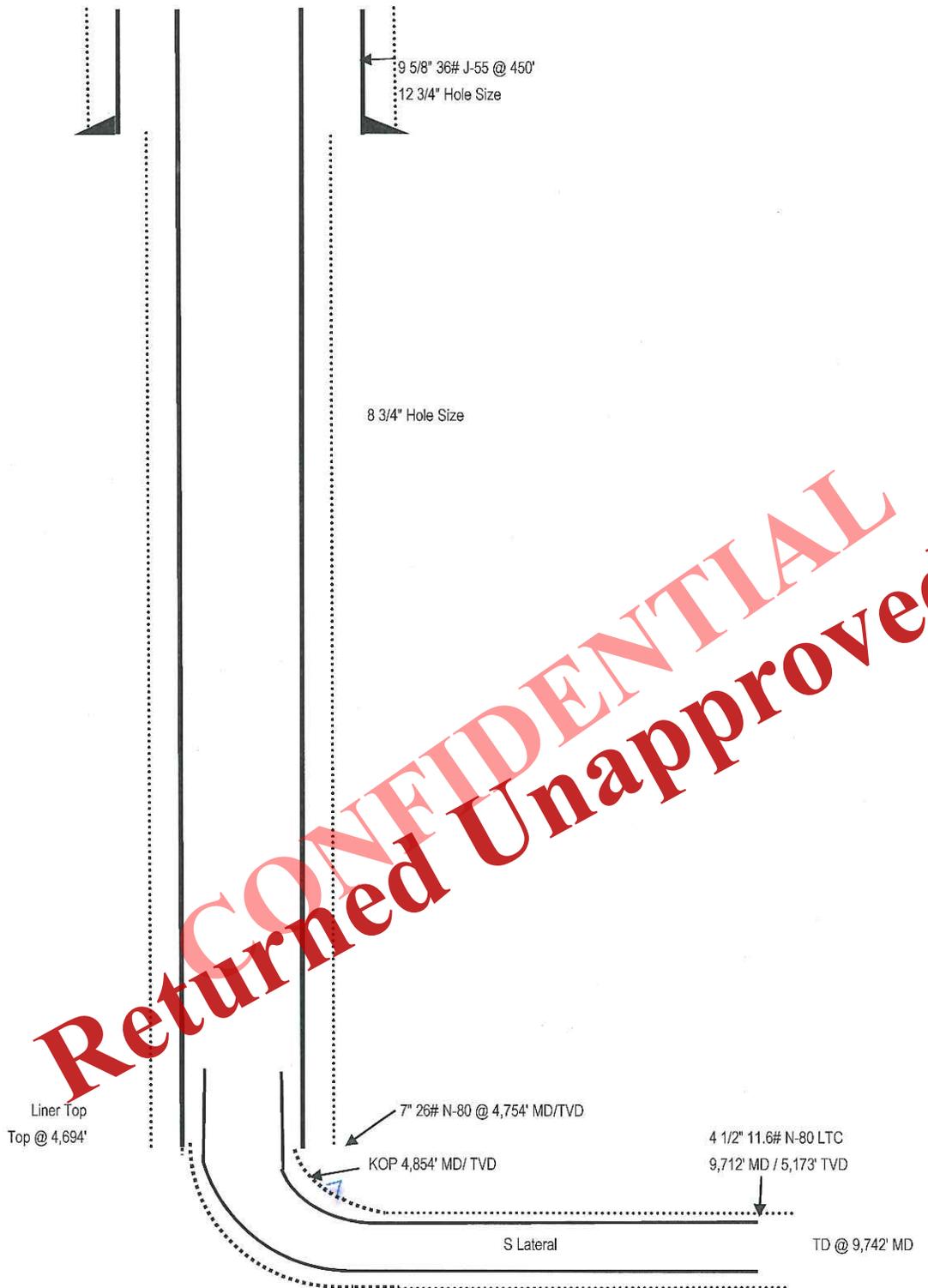
BHL: Sec 4-T10S-R17E, Duchesne County, UT

SHL: Sec 9-T10S-R17E, Duchesne County, UT

KB 5,562'

GL 5,546'

NOTE: NOT TO SCALE



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QEP Energy Company

## QEP ENERGY (UT)

Wilkin Ridge  
WR 8G4-10-17  
WR 8G4-10-17

Original Hole

Plan: Plan ver.0

## Standard Planning Report

29 November, 2012

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QEP Energy Company

**Received: December 12, 2012**



QEP Resources, Inc.  
Planning Report



Database:	EDMDB_QEP	Local Co-ordinate Reference:	Well WR 8G4-10-17
Company:	QEP ENERGY (UT)	TVD Reference:	RKB @ 5561.60usft (AZTEC 950)
Project:	Wilkin Ridge	MD Reference:	RKB @ 5561.60usft (AZTEC 950)
Site:	WR 8G4-10-17	North Reference:	True
Well:	WR 8G4-10-17	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan ver.0		

Project	Wilkin Ridge, 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	WR 8G4-10-17		
Site Position:		Northing:	7,163,040.200 usft
From:	Lat/Long	Easting:	2,059,018.957 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	39.974800
		Longitude:	-110.006195
		Grid Convergence:	0.96 °

Well	WR 8G4-10-17		
Well Position	+N-S	-0.01 usft	Northing: 7,163,040.192 usft
	+E-W	0.00 usft	Easting: 2,059,018.957 usft
Position Uncertainty		0.00 usft	Wellhead Elevation: 5,545.60 usft
			Ground Level: 5,545.60 usft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	11/29/2012	11.09	65.71	52,096

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)
	0.00	0.00	0.00
			Direction (°)
			182.28

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,854.05	0.00	0.00	4,854.05	0.00	0.00	0.00	0.00	0.00	0.00	
5,622.38	92.20	182.28	5,331.16	-495.40	-19.75	12.00	12.00	0.00	182.28	
9,742.48	92.20	182.28	5,173.00	-4,609.20	-183.76	0.00	0.00	0.00	0.00	WR 8G4-10-17

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,854.05	0.00	0.00	4,854.05	0.00	0.00	0.00	0.00	0.00	0.00	
5,622.38	92.20	182.28	5,331.16	-495.40	-19.75	495.79	12.00	12.00	0.00	
9,742.48	92.20	182.28	5,173.00	-4,609.20	-183.76	4,612.86	0.00	0.00	0.00	



QEP Resources, Inc.  
Planning Report



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Company:	QEP ENERGY (UT)	TVD Reference:	RKB @ 5561.60usft (AZTEC 950)
Project:	Wilkin Ridge	MD Reference:	RKB @ 5561.60usft (AZTEC 950)
Site:	WR 8G4-10-17	North Reference:	True
Well:	WR 8G4-10-17	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									
WR 8G4-10-17	0.00	0.00	5,173.00	-4,609.20	-183.76	7,158,429.023	2,058,912.205	39.962147	-110.006850
- 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	
4,754.00	4,754.00	7"	7	8-3/4	

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(usft)	(usft)			(°)	(°)	
1,098.00	1,098.00	Green River fm		0.00		
2,961.00	2,961.00	Garden Gulch mbr		0.00		
5,187.07	5,160.72	Uteland Butte Member		2.20	2.28	
5,567.02	5,330.08	C Lime top		2.20	2.28	
5,588.42	5,331.26	C Lime top porosity		2.20	2.28	

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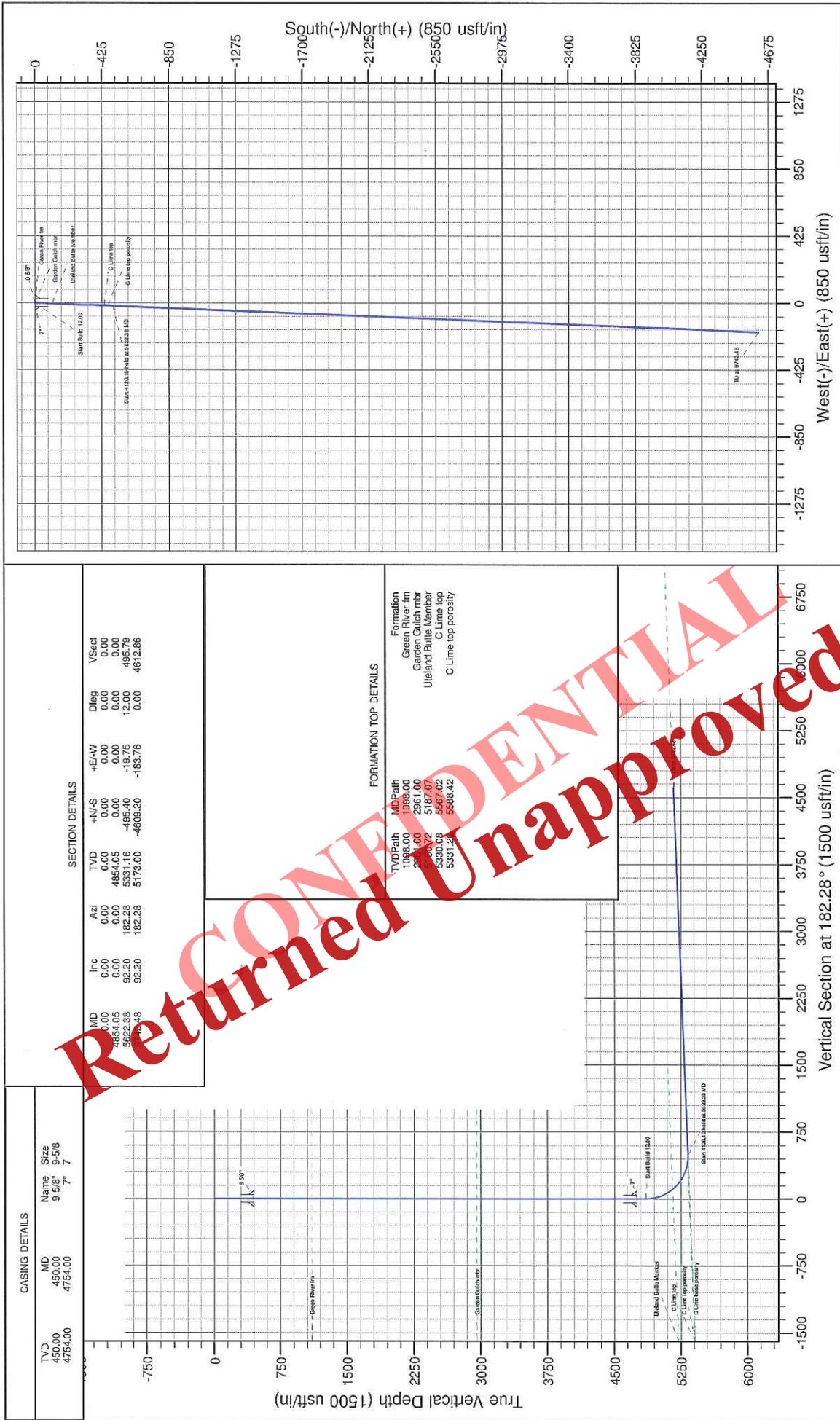
# Company Name: QEP ENERGY (UT)



Project: Wilkin Ridge  
 Well: WR 8G4-10-17  
 Wellbore: Original Hole  
 Design: Plan ver.0

Admiralty to True North  
 Magnetic North: 11.29°  
 Magnetic Field  
 Strength: 50.025 Gauss  
 Date: 11/29/2012  
 Model: IGRF-2010

<b>WELL DETAILS: WR 8G4-10-17</b> Ground Level: 5545.60 Easting: 7163040.192 2059018.957 39.974800 Northing: 7163040.192 2059018.957 39.974800 +N-S: 0.00 +E-W: 0.00		<b>REFERENCE INFORMATION</b> Co-ordinates (NVE) Reference: Well WRS 8G4-10-17 True North Vertical Datum: RKB @ 5561.60usft (AZTEC 950) Section (NS) Reference: Slot (-0.00N 0.00E) Measured Depth Reference: RKB @ 5561.60usft (AZTEC 950) Calculation Method: Minimum Curvature	
<b>PROJECT DETAILS: Wilkin Ridge</b> Geodetic System: US State Plane 1983 Datum: North American Datum 1983 Ellipsoid: GRS 1980 Zone: Utah Central Zone System Datum: Mean Sea Level		<b>SECTION INFORMATION</b> Co-ordinates (NVE) Reference: Well WRS 8G4-10-17 True North Vertical Datum: RKB @ 5561.60usft (AZTEC 950) Section (NS) Reference: Slot (-0.00N 0.00E) Measured Depth Reference: RKB @ 5561.60usft (AZTEC 950) Calculation Method: Minimum Curvature	



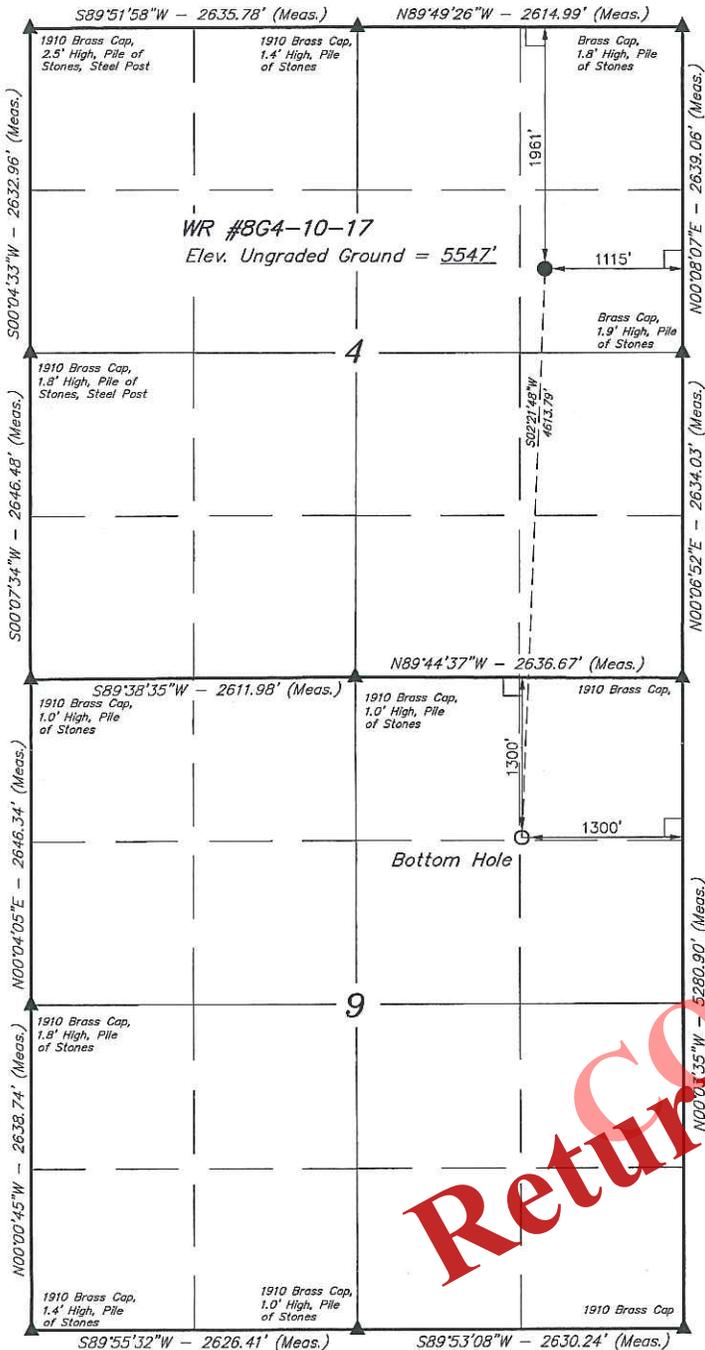
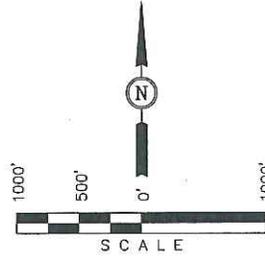
Well location, WR #8G4-10-17, located as shown in the SE 1/4 NE 1/4 of Section 4, T10S, R17E, S.L.B.&M., Duchesne County, Utah.

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.



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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.

*John D. Hagan*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 181319  
 STATE OF UTAH 05-04-12

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

LEGEND:

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

NAD 83 (TARGET BOTTOM HOLE) LATITUDE = 39°57'43.73" (39.962147) LONGITUDE = 110°00'24.66" (110.006850)	NAD 83 (SURFACE LOCATION) LATITUDE = 39°58'29.28" (39.974800) LONGITUDE = 110°00'22.30" (110.006194)
NAD 27 (TARGET BOTTOM HOLE) LATITUDE = 39°57'43.86" (39.962188) LONGITUDE = 110°00'22.12" (110.006144)	NAD 27 (SURFACE LOCATION) LATITUDE = 39°58'29.41" (39.974836) LONGITUDE = 110°00'19.76" (110.005488)

SCALE 1" = 1000'	DATE SURVEYED: 04-10-12	DATE DRAWN: 04-16-12
PARTY C.R. S.R. S.S.	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE QEP ENERGY COMPANY	

# QEP ENERGY COMPANY

## WR #8G4-10-17

LOCATED IN DUCHESNE COUNTY, UTAH

SECTION 4, T10S, R17E, S.L.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: EASTERLY



- Since 1964 -

**UELS**

Uintah Engineering & Land Surveying

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

LOCATION PHOTOS

04 25 12  
MONTH DAY YEAR

PHOTO

TAKEN BY: C.R.

DRAWN BY: B.D.H.

REVISED: 00-00-00

Received: December 12, 2012

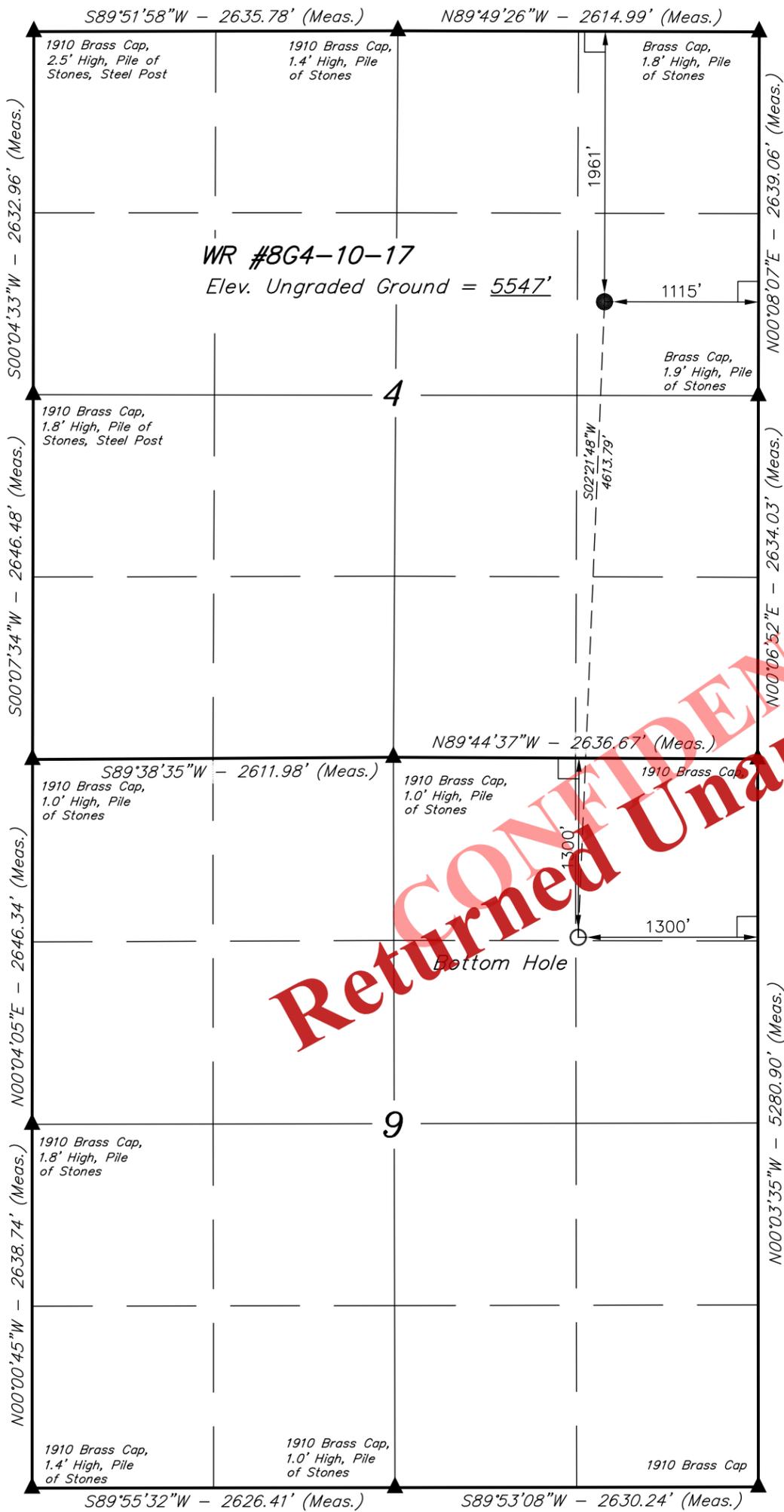
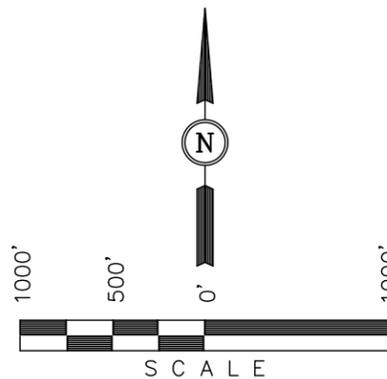
Well location, WR #8G4-10-17, located as shown in the SE 1/4 NE 1/4 of Section 4, T10S, R17E, S.L.B.&M., Duchesne County, Utah.

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

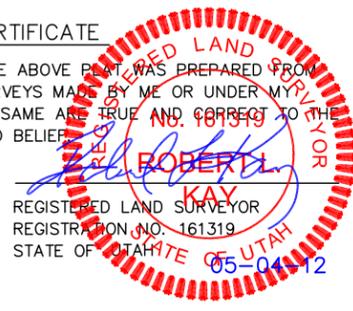
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



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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.



LEGEND:

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

NAD 83 (TARGET BOTTOM HOLE)		NAD 83 (SURFACE LOCATION)	
LATITUDE = 39°57'43.73" (39.962147)	LONGITUDE = 110°00'24.66" (110.006850)	LATITUDE = 39°58'29.28" (39.974800)	LONGITUDE = 110°00'22.30" (110.006194)
NAD 27 (TARGET BOTTOM HOLE)		NAD 27 (SURFACE LOCATION)	
LATITUDE = 39°57'43.86" (39.962189)	LONGITUDE = 110°00'22.12" (110.006144)	LATITUDE = 39°58'29.41" (39.974836)	LONGITUDE = 110°00'19.76" (110.005489)

<b>UINTAH ENGINEERING &amp; LAND SURVEYING</b> 85 SOUTH 200 EAST - VERNAL, UTAH 84078 (435) 789-1017		
SCALE 1" = 1000'	DATE SURVEYED: 04-10-12	DATE DRAWN: 04-16-12
PARTY C.R. S.R. S.S.	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE QEP ENERGY COMPANY	

Received: December 12, 2012

QEP ENERGY COMPANY

LOCATION LAYOUT FOR

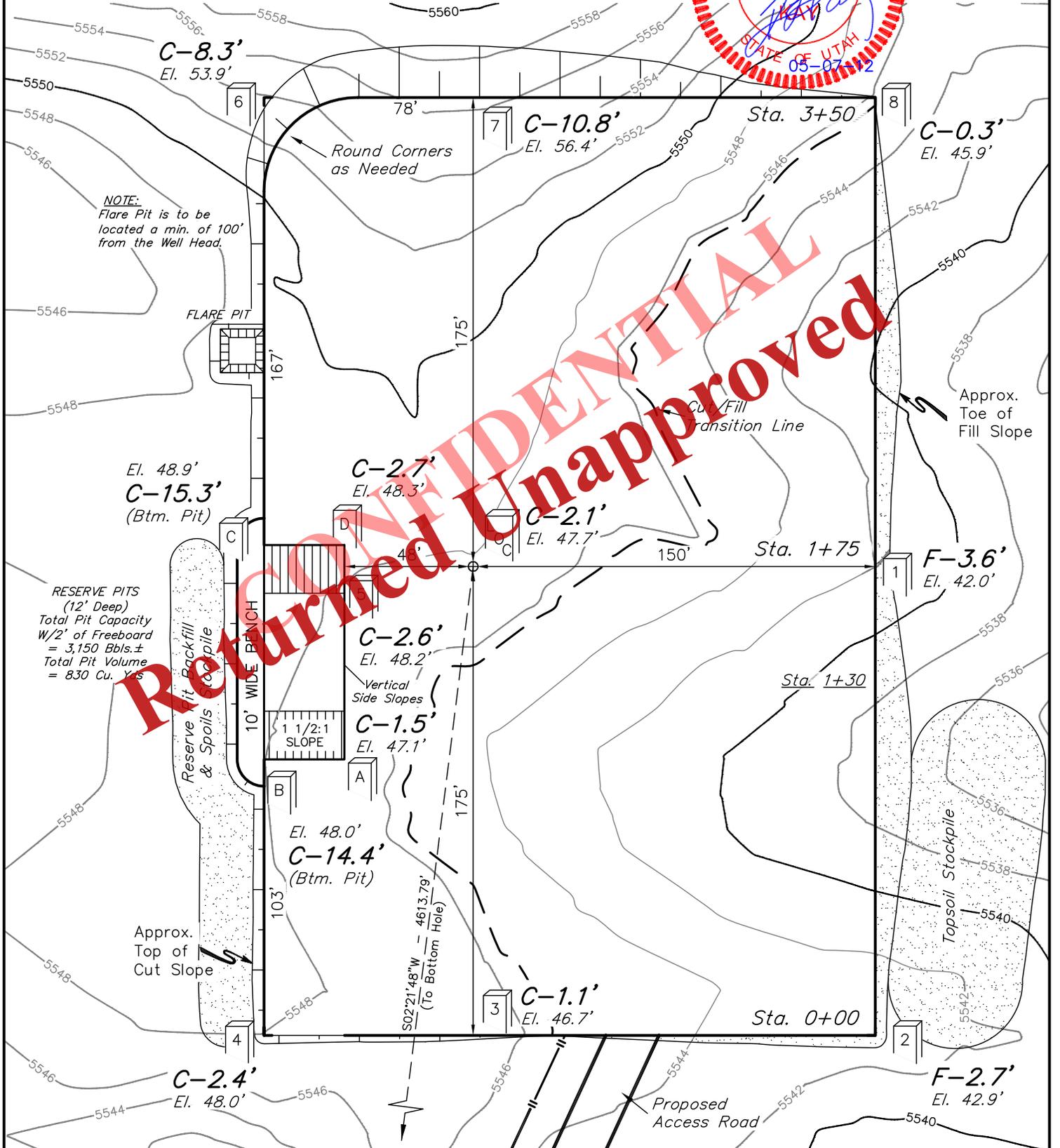
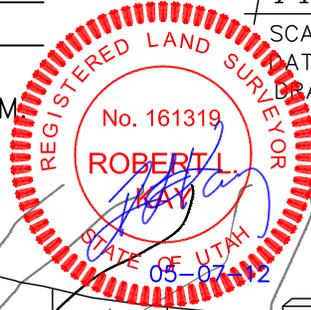
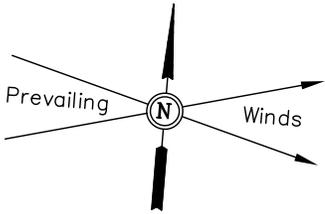
WR #8G4-10-17  
SECTION 4, T10S, R17E, S.L.B.&M  
1961' FNL 1115' FEL

FIGURE #1

SCALE: 1" = 50'

DATE: 04-18-12

DRAWN BY: S.S.



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

RESERVE PITS  
(12' Deep)  
Total Pit Capacity  
W/2' of Freeboard  
= 3,150 Bbls.±  
Total Pit Volume  
= 830 Cu. Yds

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Elev. Ungraded Ground At Loc. Stake = 5547.7'  
FINISHED GRADE ELEV. AT LOC. STAKE = 5545.6'

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

Received: December 12, 2012

QEP ENERGY COMPANY

TYPICAL CROSS SECTIONS FOR

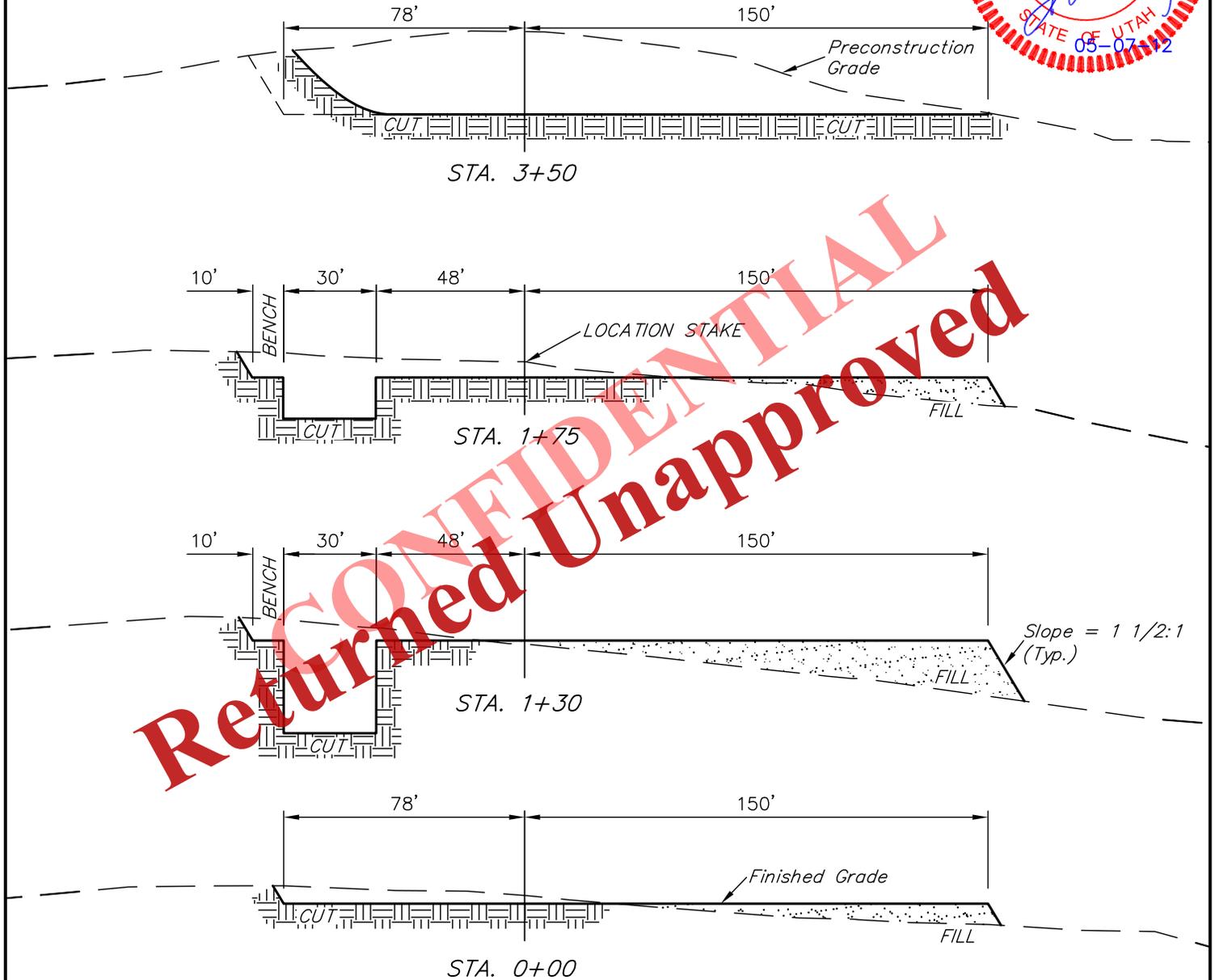
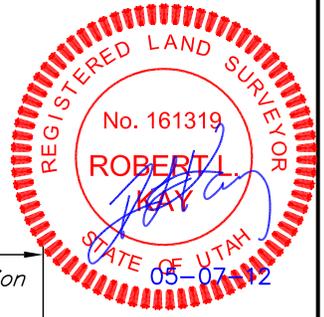
WR #8G4-10-17

SECTION 4, T10S, R17E, S.L.B.&M.

1961' FNL 1115' FEL

FIGURE #2

1" = 20'  
X-Section Scale  
1" = 50'  
DATE: 04-18-12  
DRAWN BY: S.S.



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NOTE:

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

APPROXIMATE ACREAGES

WELL SITE DISTURBANCE = ± 2.216 ACRES  
 ACCESS ROAD DISTURBANCE = ± 0.460 ACRES  
 PIPELINE DISTURBANCE = ± 0.500 ACRES  
 TOTAL = ± 3.176 ACRES

\* NOTE:  
 FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping = 1,650 Cu. Yds.  
 Remaining Location = 5,640 Cu. Yds.  
 TOTAL CUT = 7,290 CU. YDS.  
 FILL = 5,230 CU. YDS.

EXCESS MATERIAL = 2,060 Cu. Yds.  
 Topsoil & Pit Backfill (1/2 Pit Vol.) = 2,060 Cu. Yds.  
 EXCESS UNBALANCE (After Interim Rehabilitation) = 0 Cu. Yds.

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QEP ENERGY COMPANY

TYPICAL RIG LAYOUT FOR

WR #8G4-10-17

SECTION 4, T10S, R17E, S.L.B.&M.

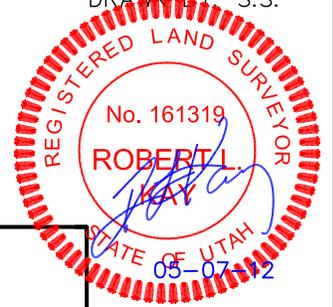
1961' FNL 1115' FEL

FIGURE #3

SCALE: 1" = 50'

DATE: 04-18-12

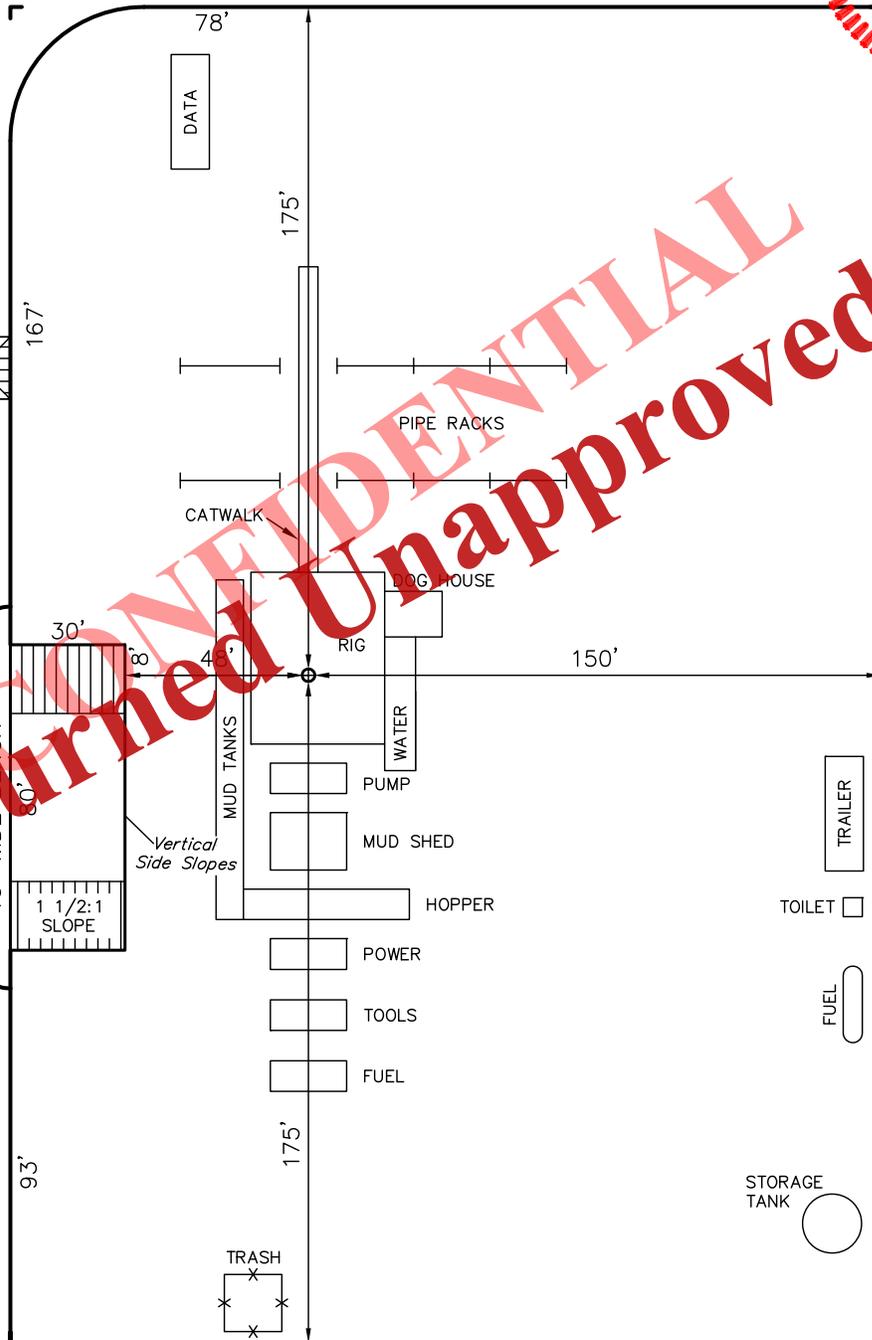
DRAWN BY: S.S.



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

RESERVE PITS  
(12' Deep)  
Total Pit Capacity  
W/2' of Freeboard  
= 3,150 Bbls.±  
Total Pit Volume  
= 830 Cu. Yds

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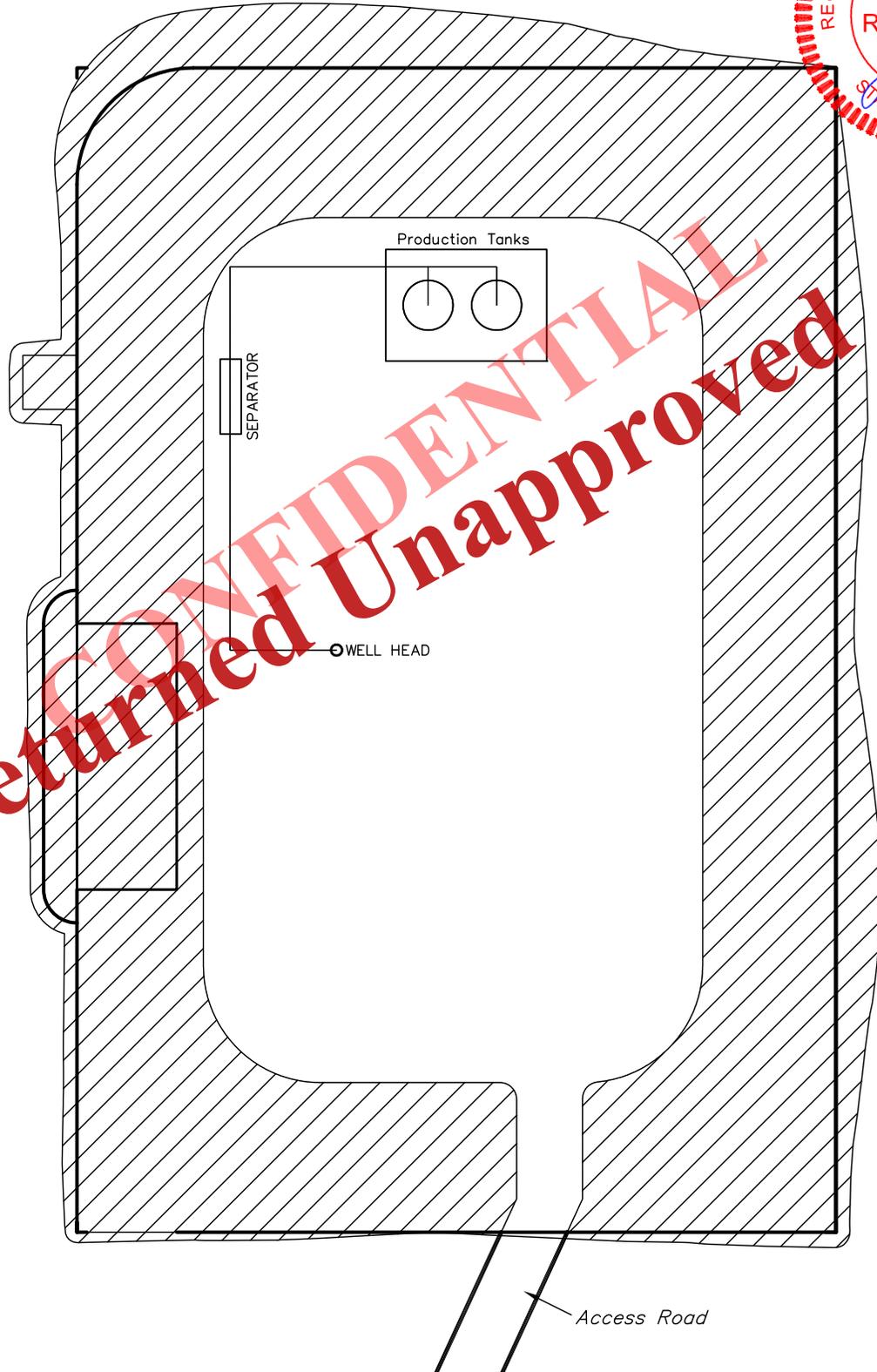
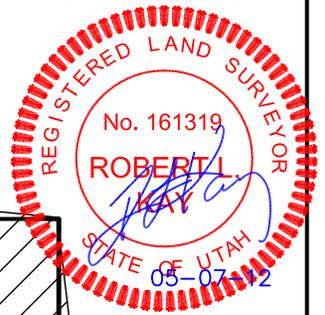


Proposed Access Road



QEP ENERGY COMPANY  
INTERIM RECLAMATION PLAN FOR  
WR #8G4-10-17  
SECTION 4, T10S, R17E, S.L.B.&M.  
1961' FNL 1115' FEL

FIGURE #4  
SCALE: 1" = 50'  
DATE: 04-18-12  
DRAWN BY: S.S.



 RECLAIMED AREA

APPROXIMATE ACREAGES  
UN-RECLAIMED = ± 0.893 ACRES

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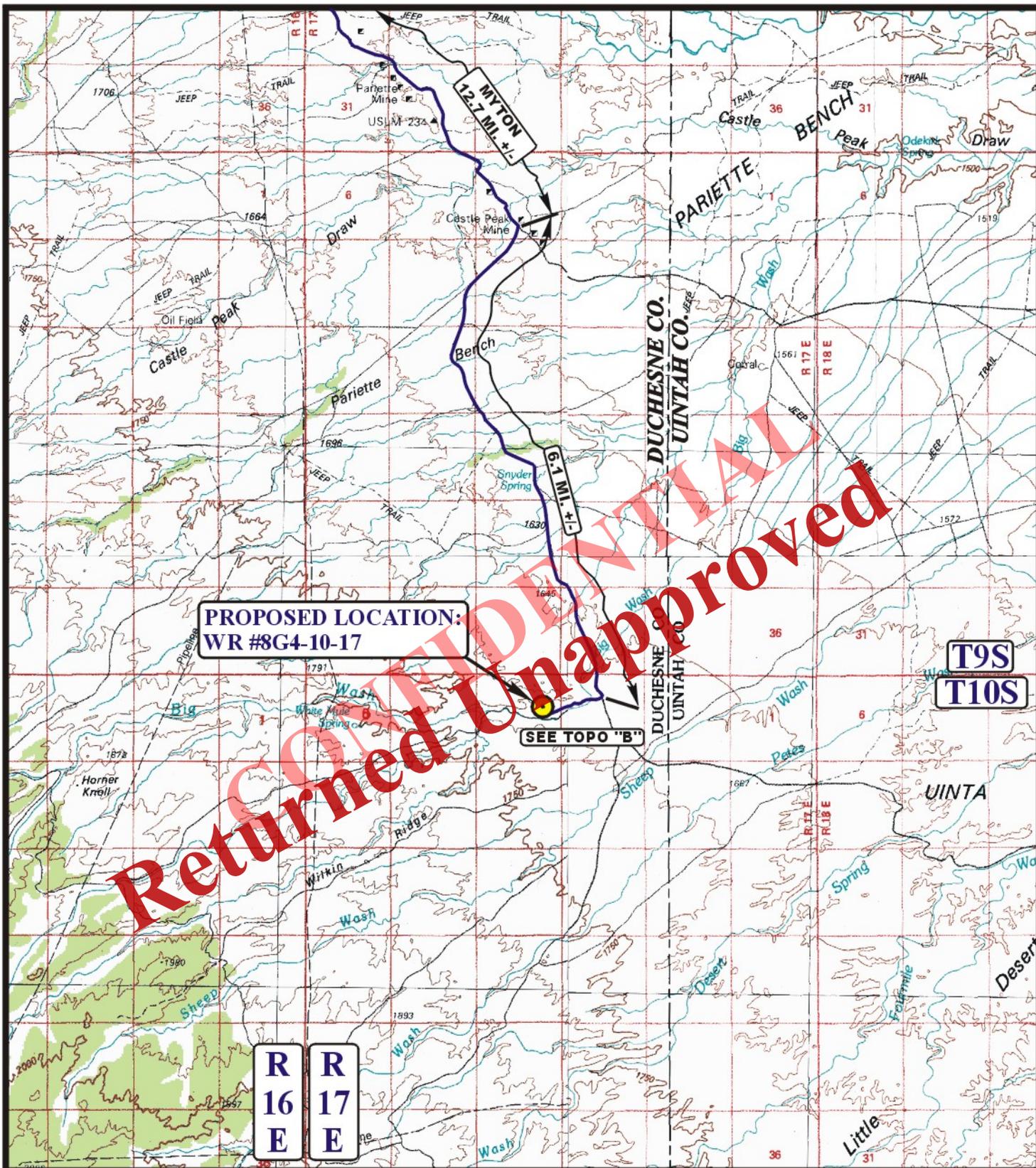
Received: December 12, 2012

QEP ENERGY COMPANY  
WR #8G4-10-17  
SECTION 4, T10S, R17E, 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 11.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN LEFT AND PROCEED IN A SOUTHWESTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 6.1 MILES TO THE JUNCTION OF THIS AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY, THEN WESTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 0.7 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTHWEST; FOLLOW ROAD FLAGS IN A NORTHWESTERLY, THEN NORTHERLY DIRECTION APPROXIMATELY 668' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM MYTON, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 19.6 MILES.

**Returned Unapproved**



**PROPOSED LOCATION:  
WR #8G4-10-17**

**SEE TOPO "B"**

**T9S  
T10S**

**R  
16  
E**   **R  
17  
E**

**LEGEND:**

**PROPOSED LOCATION**



**QEP ENERGY COMPANY**

**WR #8G4-10-17  
SECTION 4, T10, R17E, S.L.B.&M.  
1961' FNL 1115' FEL**



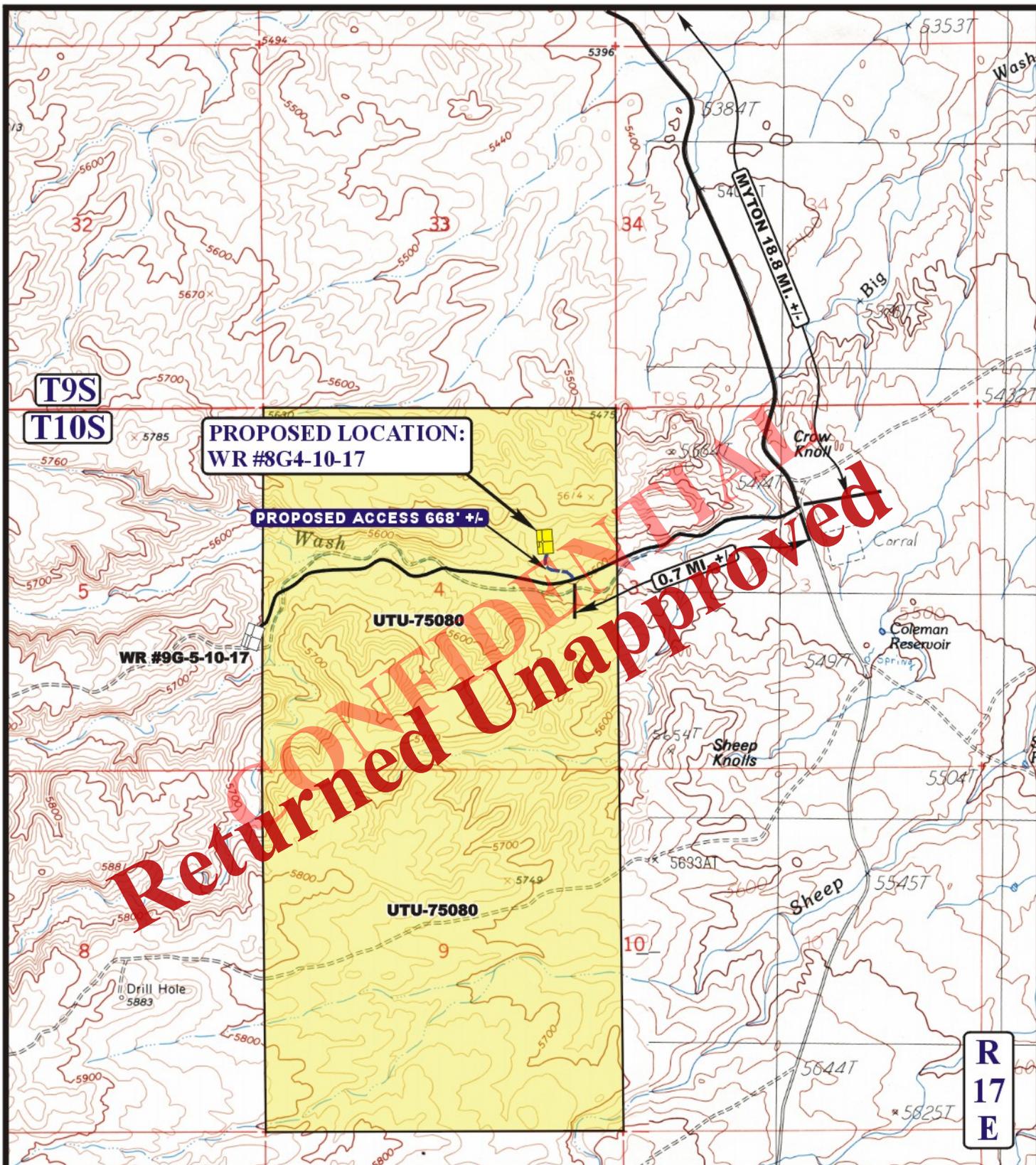
**Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813**

**ACCESS ROAD  
MAP**

**04 25 12  
MONTH DAY YEAR**

**SCALE: 1:100,000 DRAWN BY: B.D.H. REVISED: 00-00-00**





**LEGEND:**

- EXISTING ROAD
- PROPOSED ACCESS ROAD



**QEP ENERGY COMPANY**

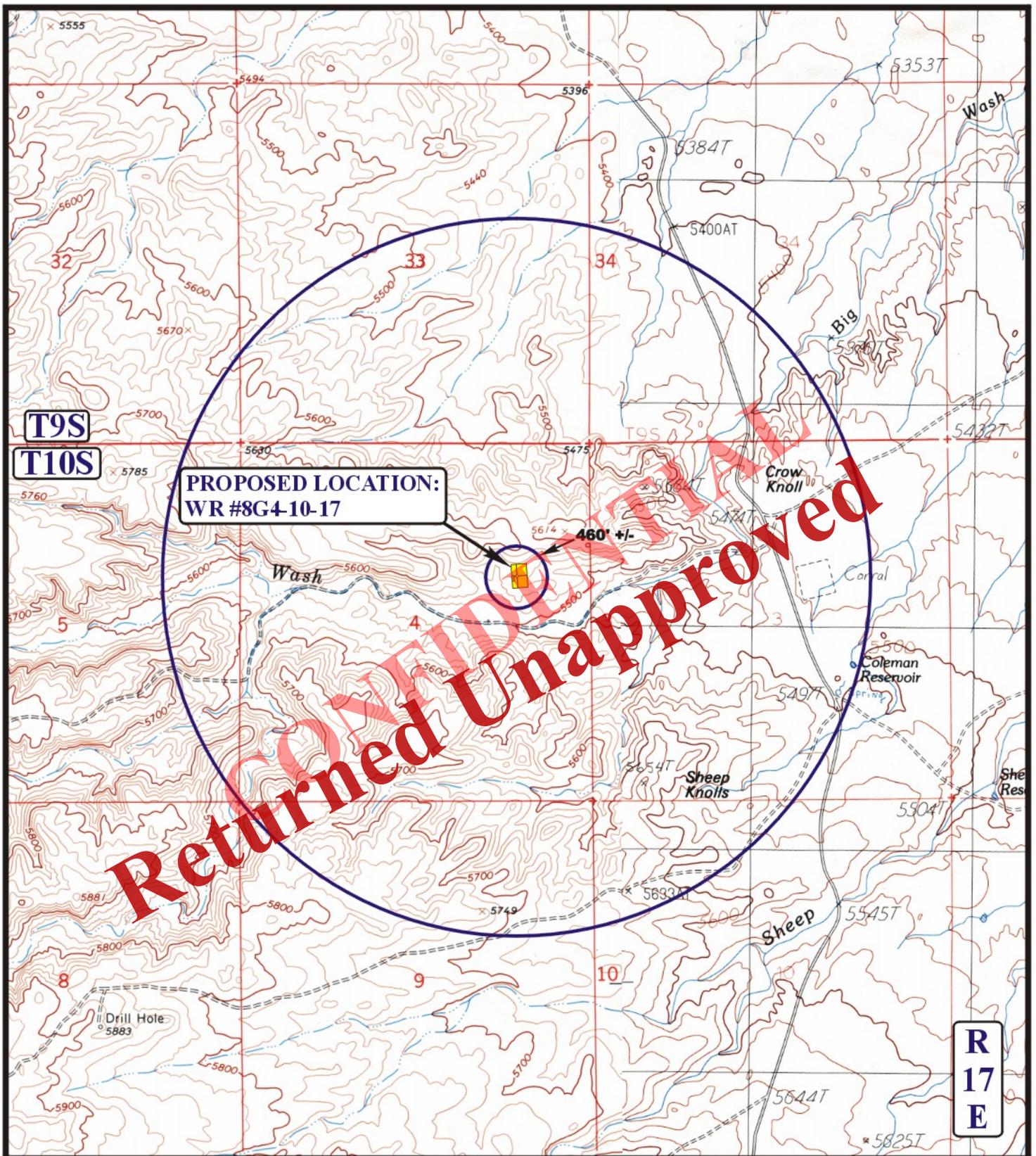
**WR #8G4-10-17**  
**SECTION 4, T10, R17E, S.L.B.&M.**  
**1961' FNL 1115' FEL**



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

<b>ACCESS ROAD MAP</b>	<b>04</b>	<b>25</b>	<b>12</b>
	MONTH	DAY	YEAR
SCALE: 1" = 2000'		DRAWN BY: B.D.H.	
		REVISED: 00-00-00	





**PROPOSED LOCATION:  
WR #8G4-10-17**

460' +/-

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**LEGEND:**

- ⊘ DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED



**QEP ENERGY COMPANY**

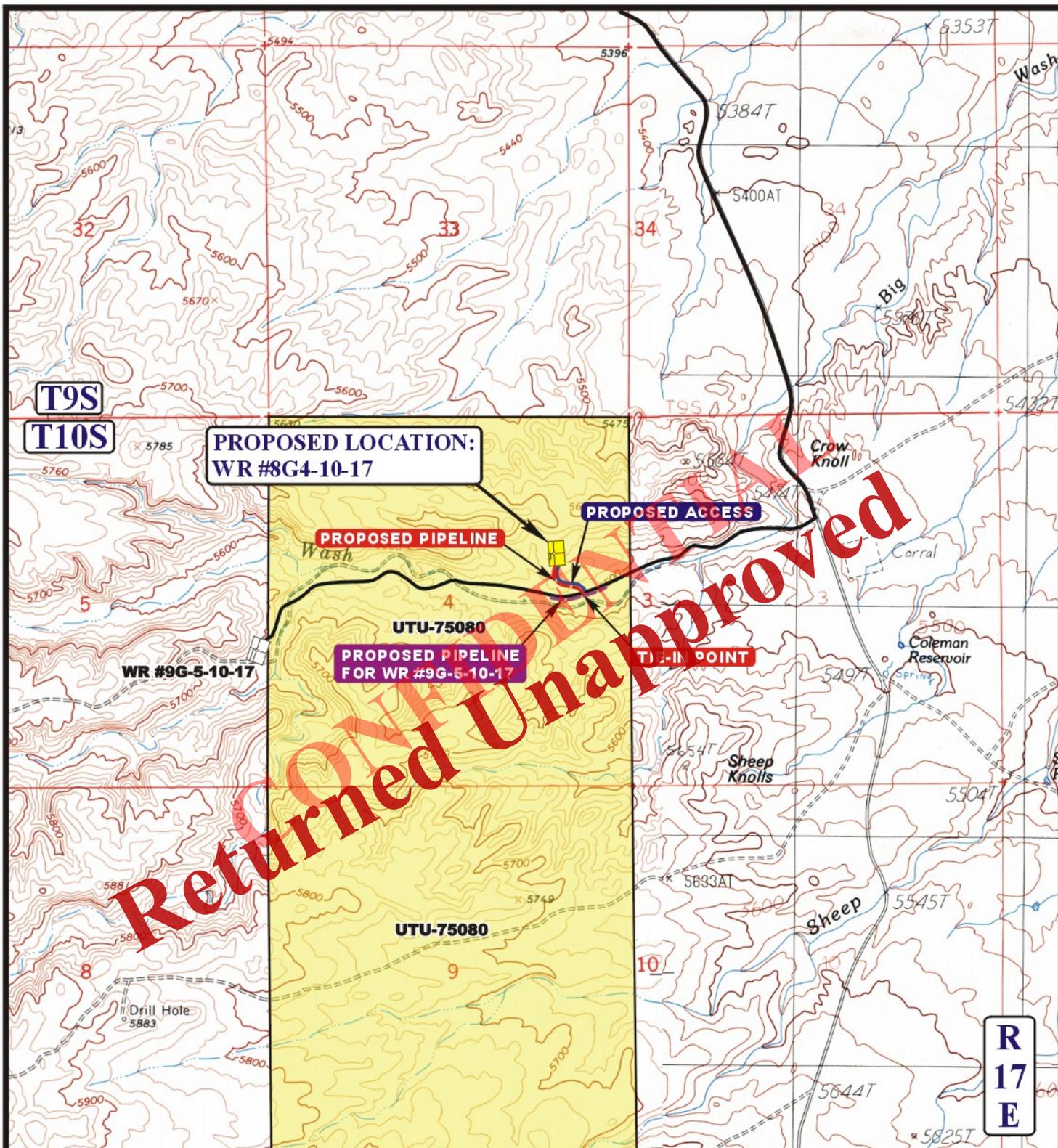
**WR #8G4-10-17  
SECTION 4, T10, R17E, S.L.B.&M.  
1961' FNL 1115' FEL**



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**TOPOGRAPHIC MAP** 04 25 12  
MONTH DAY YEAR  
SCALE: 1" = 2000' DRAWN BY: B.D.H. REVISED: 00-00-00





**APPROXIMATE TOTAL PIPELINE DISTANCE = 726' +/-**

**LEGEND:**

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

**QEP ENERGY COMPANY**

**WR #8G4-10-17  
SECTION 4, T10, R17E, S.L.B.&M.  
1961' FNL 1115' FEL**



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



**TOPOGRAPHIC MAP** 04 25 12  
MONTH DAY YEAR  
SCALE: 1" = 1000' DRAWN BY: B.D.H. REVISED: 00-00-00



**QEP ENERGY COMPANY**  
**REFERENCE MAP: AREA OF VEGETATION**  
**WR #8G-4-10-17**  
**LOCATED IN DUCHESNE COUNTY, UTAH**  
**SECTION 4, T10S, R17E, S.L.B.&M.**

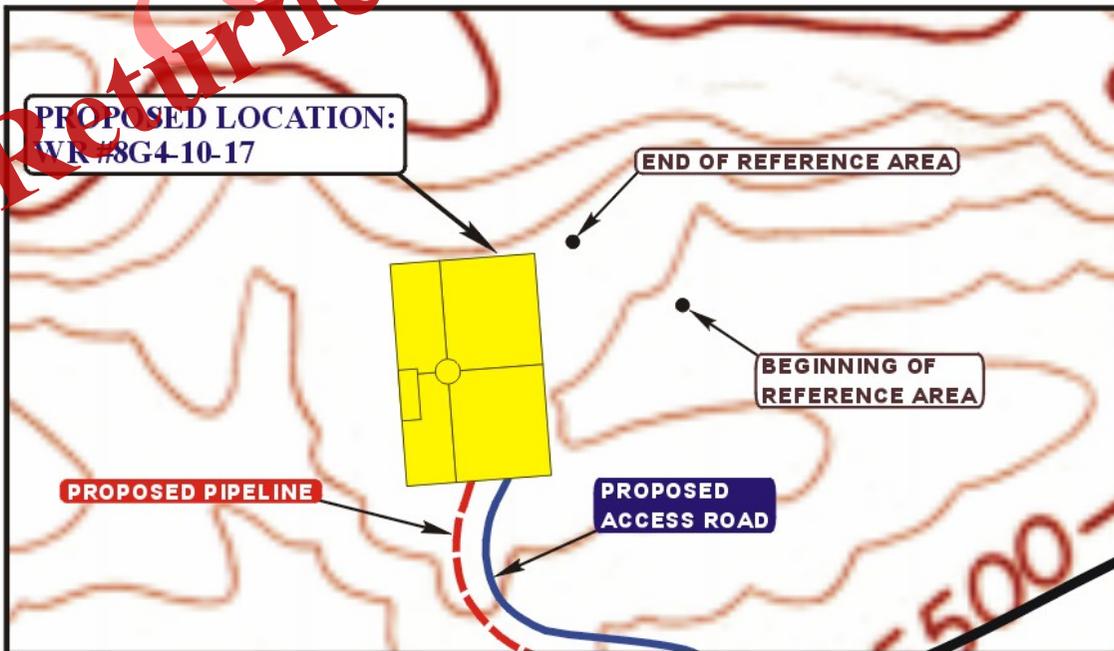


PHOTO: VIEW FROM BEGINNING OF REFERENCE AREA

**NOTE:**

**BEGINNING OF REFERENCE AREA**  
 NAD 83 Z12 UTM NORTHING: 14519223.800  
 NAD 83 Z12 UTM EASTING: 1919195.903  
 (NAD 83) LATITUDE: 39.975106  
 (NAD 83) LONGITUDE: -111.004911

**END OF REFERENCE AREA**  
 NAD 83 Z12 UTM NORTHING: 14519323.025  
 NAD 83 Z12 UTM EASTING: 1919022.010  
 (NAD 83) LATITUDE: 39.975383  
 (NAD 83) LONGITUDE: -110.005528



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

SCALE: 1" = 300'		06	12	12	REF.
		MONTH	DAY	YEAR	
TAKEN BY: C.R.	DRAWN BY: J.L.G.	REVISED: 00-00-00			

### **Additional Operator Remarks**

QEP Energy Company proposes to drill the WR 8G-4-10-17 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 Dual Laterals**

#### **Surface Location**

1961' FNL, 1115' FEL, SENE, Section 4, T10S, R17E, Lease Number UTU-75080

#### **Lateral 1**

1300' FNL, 1300' FWL, NENE, Section 9, T10S, R17E, Lease Number UTU-75080

4609.20 Lateral Leg Length @ 182.28 Azimuth (See Attached Drilling Plans)

TD: 9,742' MD

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**QEP ENERGY COMPANY  
WR 8G-4-10-17  
SENE, SECTION 4, T10S, R17E  
DUCHESNE COUNTY, UT  
LEASE # UTU-75080**

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

An onsite inspection was conducted for the WR 8G-4-10-17 on June 7, 2012. Weather conditions were sunny at the time of the onsite. In attendance at the inspection were the following individuals:

Kevin Sadlier	Bureau of Land Management
Jimmy McKenzie	Bureau of Land Management
Jan Nelson	QEP Energy Company
Stephanie Tomkinson	QEP Energy Company
Valyn Davis	QEP Energy Company
Amanda Taylor	QEP Energy Company
Eric Wickersham	QEP Energy Company
Sam White	QEP Energy Company
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 20 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 Scynia Unit.**

There will be a new access road approximately 668' in length, 30' in width, containing approximately .460 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.

**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 surface line. The pipeline will be 726' in total length, containing approximately .500 acres. The pipeline will be strung along the proposed pipeline route and welded into place. The pipeline will tie into our proposed pipe line for the WR 9G-5-10-17, the tie-in point is located in Sec. 4, T10S, 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.

**Surface Pipelines**

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

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

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

When the surface terrain prohibits the Permittee from safely installing the pipeline along the pipeline route, grading of the route will be required. Prior to installing the pipeline in these areas a plan will be developed to safely install the pipeline

while minimizing grading activities and surface disturbances. Additionally, erosion control Best Management Practices will be installed as needed prior to the start of any grading activities. Surface grading will be limited to what is needed to safely install the pipeline. Track type bulldozers and track type backhoes will be utilized for grading activities.

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

**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. Fresh water may also be obtained from Neil Moon Pond water right #43-11787, or Myton City Water, Myton, Utah

**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.

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 May 23, 2012, **State of Utah Antiquities Report U-12-MQ-0366b** 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 June 1, 2012, **Report No. IPC 12-83** 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.

**Per the onsite meeting on June 7, 2012**, the following items were requested/discussed.

There is 4" topsoil.

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

Valyn Davis  
Regulatory Affairs Analyst  
QEP Energy Company  
11002 East 17500 South  
Vernal, UT 84078  
(435) 781-4369

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

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

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

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

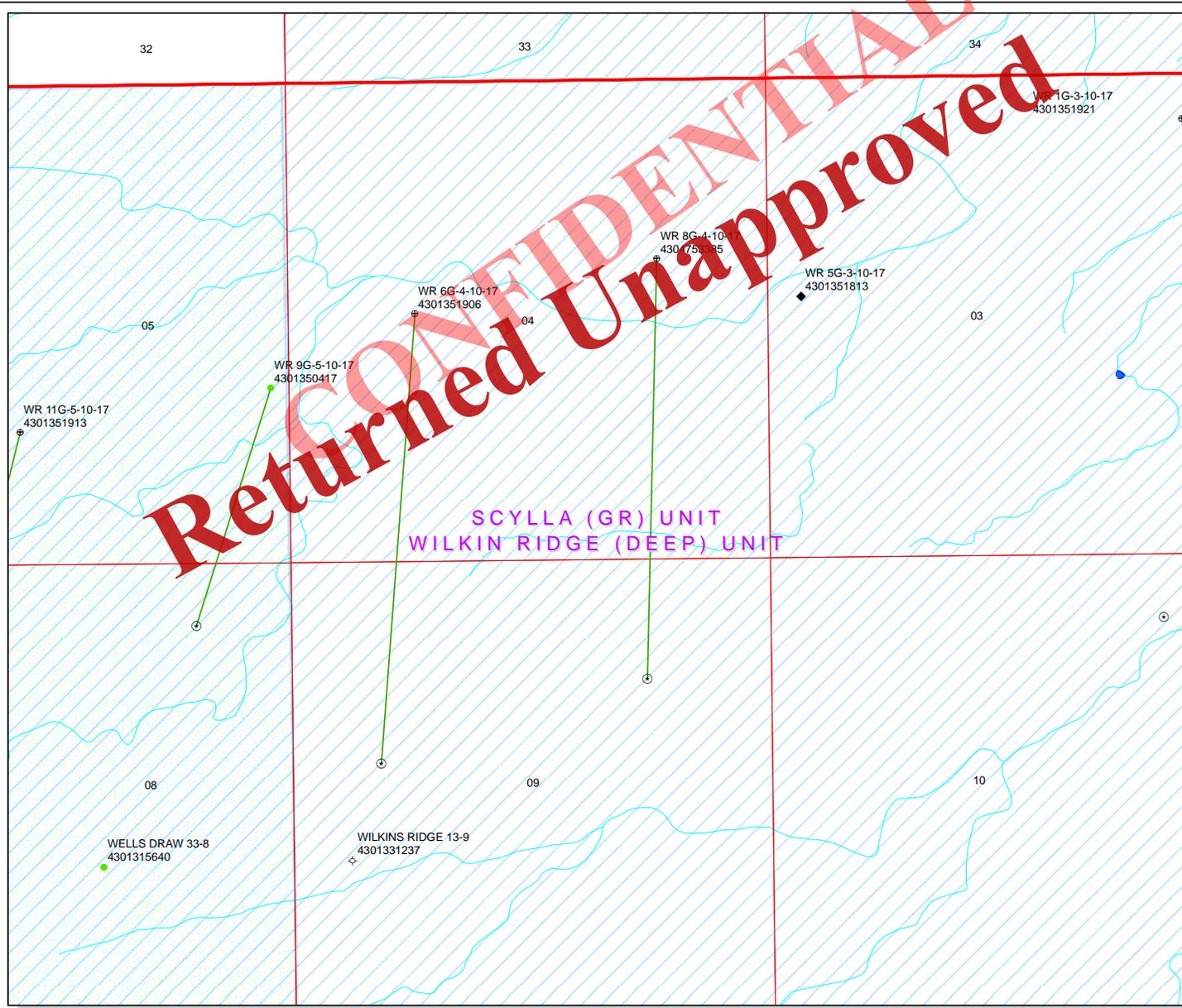
I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist, that I have full knowledge of the State and Federal laws applicable to this operations, that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

  
\_\_\_\_\_  
Valyn Davis

12/12/2012  
\_\_\_\_\_  
Date

**CONFIDENTIAL**  
**Returned Unapproved**

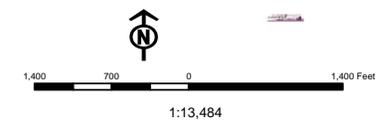
CONFIDENTIAL  
 Returned Unapproved



**API Number: 4304753385**  
**Well Name: WR 8G-4-10-17**  
**Township T10.0S Range R17.0E Section 04**  
**Meridian: SLBM**  
**Operator: QEP ENERGY COMPANY**

Map Prepared:  
 Map Produced by Diana Mason

- |               |                                    |
|---------------|------------------------------------|
| <b>Units</b>  | <b>Wells Query</b>                 |
| <b>STATUS</b> | <b>STATUS</b>                      |
| 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                 |
| PI OIL        | OPS - Operation Suspended          |
| PP GAS        | PA - Plugged Abandoned             |
| PP GEOTHERML  | PGW - Producing Gas Well           |
| PP OIL        | POW - Producing Oil Well           |
| SECONDARY     | SGW - Shut-in Gas Well             |
| TERMINATED    | SOW - Shut-in Oil Well             |
| <b>Fields</b> | TA - Temp. Abandoned               |
| <b>STATUS</b> | TW - Test Well                     |
| Unknown       | WDW - Water Disposal               |
| ABANDONED     | WW - Water Injection Well          |
| ACTIVE        | WSW - Water Supply Well            |
| COMBINED      | Bottom Hole Location - Oil&GasDls  |
| INACTIVE      |                                    |
| STORAGE       |                                    |
| TERMINATED    |                                    |





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*

December 18, 2012

QEP ENERGY COMPANY  
11002 East 17500 South  
Vernal, Ut 84078

Re: Application for Permit to Drill - DUCHESNE County, Utah

Ladies and Gentlemen:

The Application for Permit to Drill (APD) for the WR 8G-4-10-17 well, API 43047533850000 that was submitted December 12, 2012 is being returned unapproved. If you plan on drilling this well in the future, you must first submit a new application.

Should you have any questions regarding this matter, please call me at (801) 538-5312.

Sincerely,

Diana Mason  
Environmental Scientist

Enclosure

cc: Bureau of Land Management, Vernal, Utah



## United States Department of the Interior



BUREAU OF LAND MANAGEMENT  
Green River District  
Vernal Field Office  
170 South 500 East  
Vernal, UT 84078  
<http://www.blm.gov/ut/st/en/fo/vernal.html>

MAY 14 2014

IN REPLY REFER TO:  
3160 (UTG011)

Jan Nelson  
QEP Energy Company  
11002 East 17500 South  
Vernal, UT 84078

43 047 53385

Re: Request to Return APD  
Well No. WR 8G-4-10-17  
SENE, Sec. 4, T10S, R17E  
Duchesne County, Utah  
Lease No. UTU-75080  
Scylla Unit

Uintah

Dear Jan:

The Application for Permit to Drill (APD) for the above referenced well received in this office on December 17, 2012, is being returned unapproved per your request to this office in an email message to Land Law Examiner Robin R. Hansen received on April 23, 2014. If you intend to drill at this location at a future date, a new APD must be submitted.

If you have any questions regarding APD processing, please contact Robin R. Hansen at (435) 781-3428.

Sincerely,

/s/ Jerry Kenczka

Jerry Kenczka  
Assistant Field Manager  
Lands & Resource Minerals

Enclosures

cc: UDOGM

bcc: Well File

RECEIVED

MAY 21 2014

DIV. OF OIL, GAS & MINING