

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 RW 23-19B					
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 RED WASH					
4. TYPE OF WELL Gas Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME RED WASH					
6. NAME OF OPERATOR QEP ENERGY COMPANY						7. OPERATOR PHONE 303 308-3068					
8. ADDRESS OF OPERATOR 11002 East 17500 South, Vernal, Ut, 84078						9. OPERATOR E-MAIL debbie.stanberry@questar.com					
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU02030			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 checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>					
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN			
LOCATION AT SURFACE		1761 FSL 1914 FWL		NESW	19	7.0 S	23.0 E	S			
Top of Uppermost Producing Zone		1761 FSL 1914 FWL		NESW	19	7.0 S	23.0 E	S			
At Total Depth		1761 FSL 1914 FWL		NESW	19	7.0 S	23.0 E	S			
21. COUNTY UINTAH			22. DISTANCE TO NEAREST LEASE LINE (Feet) 1761			23. NUMBER OF ACRES IN DRILLING UNIT 40					
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1225			26. PROPOSED DEPTH MD: 11544 TVD: 11544					
27. ELEVATION - GROUND LEVEL 5469			28. BOND NUMBER ESB000024			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE A-36125/ 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 - 3959	36.0	N-80 LT&C	0.0	Halliburton Light , Type Unknown		460	3.12	11.0
							Halliburton Premium , Type Unknown		320	1.47	13.5
Prod	7.875	4.5	0 - 11544	11.6	HCP-110 LT&C	10.5	Halliburton Light , Type Unknown		650	3.18	11.0
							Halliburton Premium , Type Unknown		510	1.65	13.5
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 06/30/2011			EMAIL Valyn.Davis@qepres.com					
API NUMBER ASSIGNED 43047517250000			APPROVAL  Permit Manager								

QEP Energy Company
RW 23-19B
Summarized Drilling Procedure

1. Construct location per plat.
2. MIRU air drilling rig.
3. Pre-set conductor.
4. Nipple up diverter system.
5. Drill 12-1/4" hole to 3,959' with air/mist.
6. RIH with 9-5/8" 36# N-80 casing and cement same per program.
7. RDMO air drilling rig.
8. MIRU conventional drilling rig.
9. NU and test 5M BOPE.
10. Drill out of 9-5/8" shoe and down to 11,544' using conventional mud systems.
11. Log well. Triple or Quad-Combo (GR, NEU/DEN, IND, RES, SON)
12. RIH with 4-1/2" 11.6# HCP-110 casing and cement same per program.
13. Pressure test casing.
14. ND BOP's and NU remainder of wellhead. Set BPV.
15. RDMO.

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ONSHORE OIL & GAS ORDER NO. 1
 QEP ENERGY COMPANY
 RW 23-19B

DRILLING PROGRAM

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

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

1. Formation Tops

The estimated top of important geologic markers are as follows:

<u>Formation</u>	<u>Depth, TVD & MD</u>
Green River	3,049'
Mahogany	3,909'
Wasatch	6,519'
Mesaverde	9,099'
Sego	11,444'
TD	11,544'

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

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

<u>Substance</u>	<u>Formation</u>	<u>Depth, TVD & MD</u>
Oil	Green River	3,049'
Gas	Wasatch	6,519'
Gas	Mesaverde	9,099'
Gas	Sego	11,444'

All fresh water and prospectively valuable minerals encountered during drilling will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

All water shows and water-bearing sands will be reported to the BLM in Vernal, Utah. Copies of State of Utah form OGC-8-X are acceptable. If flows are detected, samples will be submitted to the BLM along with any water analyses conducted. Fresh water will be obtained from Wonsits Valley water right A36125 (which was filed on May 7, 1964) or Red Wash water right # 49-2153 (which was

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

4. Casing Design:

Hole Size	Csg. Size	Top (MD)	Bottom (MD)	Wt.	Grade	Thread	Cond.	Expected MW(ppg)
17 1/2"	14"	Sfc	60'	Steel	Conductor	None	Used	N/A
12-1/4"	9-5/8"	Sfc	3,959'	36#	N-80	LTC	New	Air
7 7/8"	4-1/2"	Sfc	11,544'	11.6#	HCP-110	LTC	New	10.5

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Casing Strengths:				Collapse	Burst	Tensile (min)
9-5/8"	36#	N-80	LTC	2,370 psi	5,120 psi	820,000 lb.
4 1/2"	11.6#	HCP-110	LTC	8,830 psi	10,710 psi	279,000 lb.

Casing Design Factors

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

Burst: 1.2

Collapse: 1.2

Tension: 1.6

Maximum anticipated mud weight: 10.5 ppg

Maximum anticipated surface treating pressure: 7,200 psi

5. **Cementing Program**

9-5/8" Surface Casing:

Lead Slurry: Surface (TOC) – 3,000'. 460 sks (1409 ft³) Halliburton Extendacem, 1 pps Granulite TR 1/4, 0.125 pps Poly-E-Flake, Slurry Weight 11.0 ppg, 3.12 ft³/sk, 50% XS in open hole only.

Tail Slurry: 3,000' – 3,959'. 320 sx (468 ft³) Halliburton Econocem, 0.2% HR-5 Retarder, 1.0 pps Granulite TR 1/4, 0.125 pps Poly-E-Flake, Slurry Weight 13.5 ppg, 1.47 ft³/sk, 50% XS in open hole.

4-1/2" Production Casing*:

Lead Slurry: 3,000' (TOC) – 9,099'. 650 sks (2067 ft³) Halliburton Extendacem, 1 pps Granulite 1/4, 0.125 pps Poly-E-Flake. Slurry Weight 11.0 lb/gal, 3.18 ft³/sk, 50% excess over gauge in open hole only.

Tail Slurry: 9,099' – 11,544'. 510 sks (839 ft³), Halliburton Expandacem, 0.3% Super CBL (Expander), 0.6% HR-800 (Retarder), 1 pps Granulite TR 1/4, 0.125 pps Poly-E-Flake (LCM). Slurry Weight 13.5 lb/gal, 1.65 ft³/sk, 50% excess over gauge hole.

*Final cement volumes to be calculated from caliper log.

6. **Auxiliary Equipment**

A. Kelly Cock – yes

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QEP ENERGY COMPANY
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- B. Float at the bit – Yes
- C. Monitoring equipment on the mud system – PVT/Flow Show
- D. Full opening safety valve on the rig floor – Yes
- E. Rotating Head – Yes
- F. Request for Variance:

Drilling surface hole with air:

A variance from 43 CFR 3160 Onshore Oil and Gas Order #2, Section III Requirements, subsection E. Special Drilling Operations is requested for the specific operation of drilling and setting surface casing on the subject well with a truck mounted air rig. The variance from the following requirements of Order #2 is requested because surface casing depth for this well is 3,959' feet and high pressures are not expected.

1. **Properly lubricated and maintained rotating head** – A diverter system in place of a rotating head. The diverter system forces the air and cutting returns to the reserve pit and is used to drill the surface casing.
 2. **Blooiie line discharge 100 feet from wellbore and securely anchored** – the blooiie line discharge for this operation will be located 50 to 70 feet from the wellhead. This reduced length is necessary due to the smaller location size to minimize surface disturbance.
 3. **Automatic igniter or continuous pilot light on blooiie line** – a diffuser will be used rather than an automatic pilot/igniter. Water is injected into the compressed air and eliminates the need for a pilot light and the need for dust suppression equipment.
 4. **Compressors located in the opposite direction from the blooiie line a minimum of 100 feet from the wellbore** – compressors located within 50 feet on the opposite side of the wellbore from the blooiie line and is equipped with a 1) emergency kill switch on the driller's console, 2) pressure relief valves on the compressors, 3) spark arrestors on the motors.
- G. Drilling below the 9-5/8" casing will be done with water based mud. Maximum anticipated mud weight is 10.5 ppg.
 - H. No minimum quantity of weight material will be required to be kept on location.
 - I. Gas detector will be used from intermediate casing depth to TD.

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

- A. Cores – none.
- B. DST – none anticipated
- C. Logging – Mud logging – Intermediate Casing to TD
OH Logs: GR-SP-Induction, Neutron Density.
- D. Formation and Completion Interval:
– Stimulation will be designed for the particular area of interest as encountered.

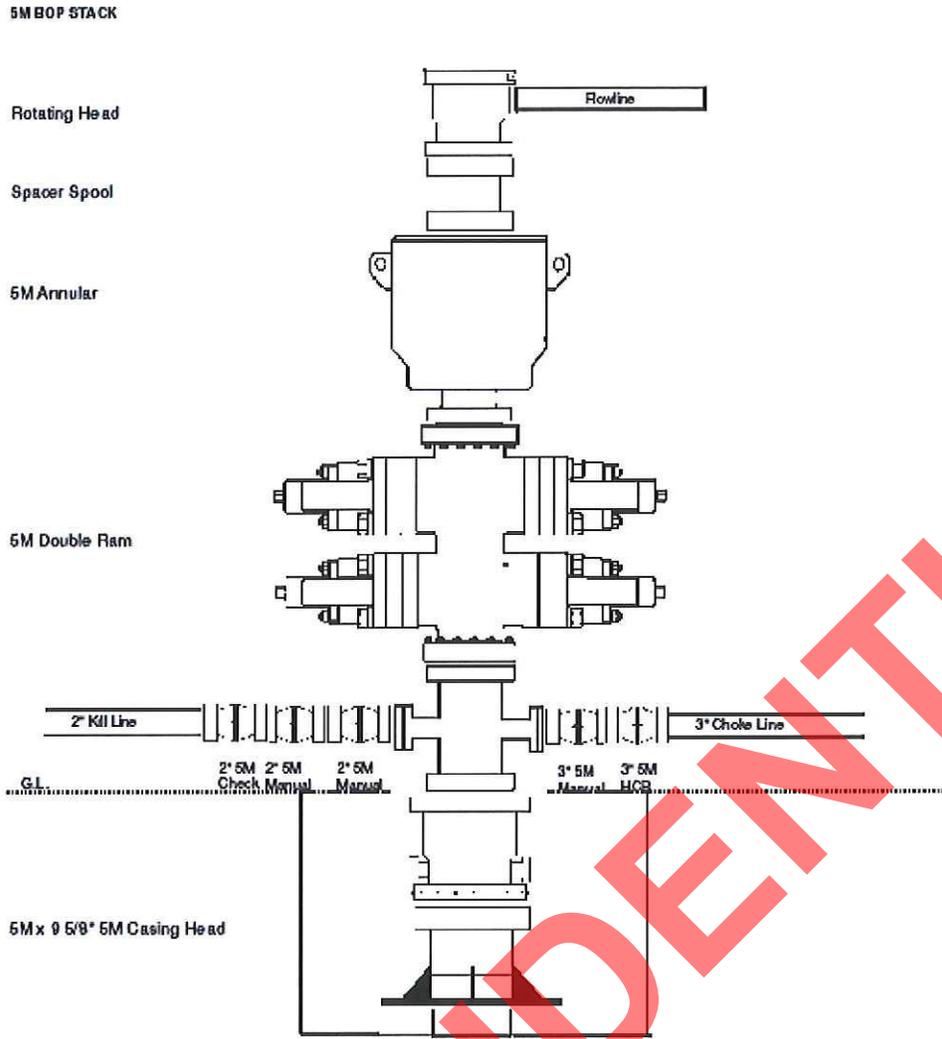
8. **Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards**

No abnormal temperatures or pressures are anticipated. Maximum anticipated bottom hole pressure equals approximately 6,303 psi. Maximum anticipated bottom hole temperature is 217° F.

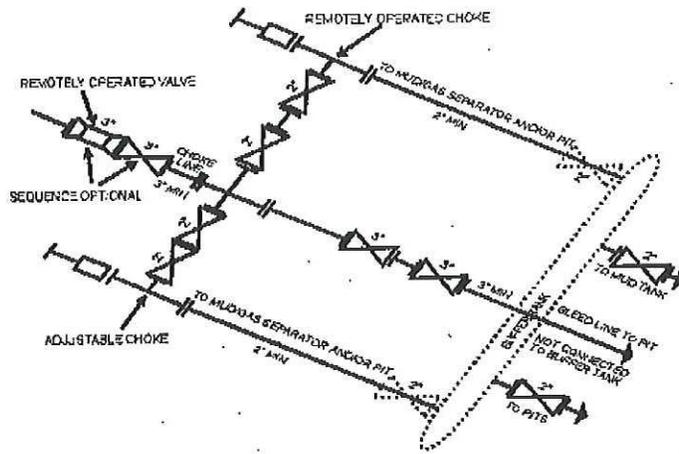
H2S has not been encountered in other wells drilled to similar depths in the general area.

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ONSHORE OIL & GAS ORDER NO. 1
QEP ENERGY COMPANY
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 QEP ENERGY COMPANY
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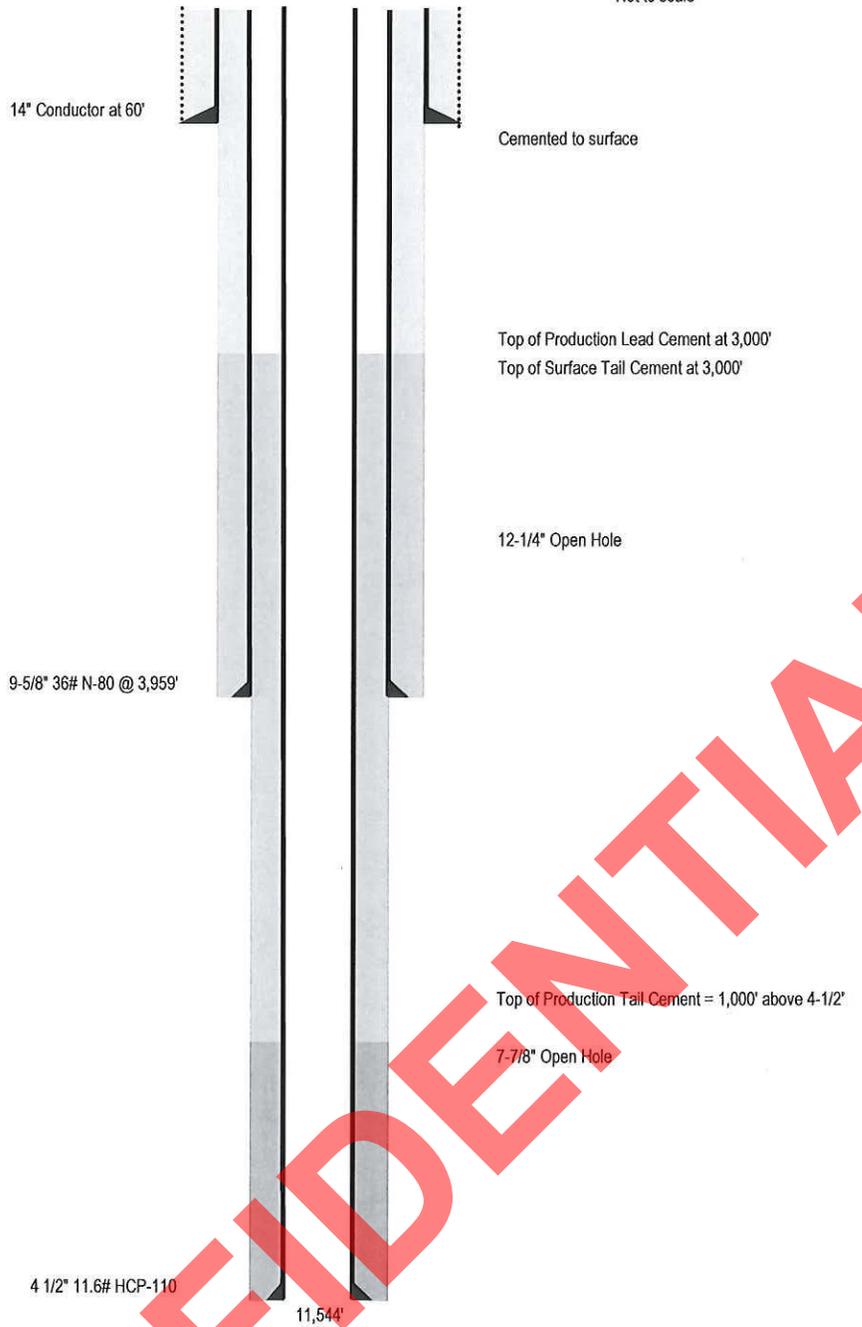


5M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY

Although not required for any of the choke manifold systems, buffer tanks are sometimes installed downstream of the choke assemblies for the purpose of paraflooding the bleed lines together. When buffer tanks are employed, valves shall be installed upstream to isolate a failure or malfunction without interrupting flow control. Though not shown on 2M, 3M, 10M, CR 15M drawings, it would also be applicable to these situations.
 [54 FR 29528, Sept. 27, 1989]

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RW 23-19B
NESW Sec 19 T7S R23E
1761' FSL & 1914' FWL Sec 19 T7S R23E S.L.B.&M.
Uintah County, Utah
KB 5,483'
GL 5,469'



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

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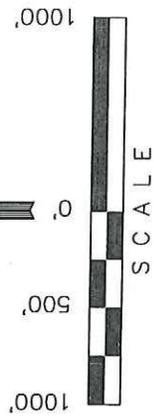
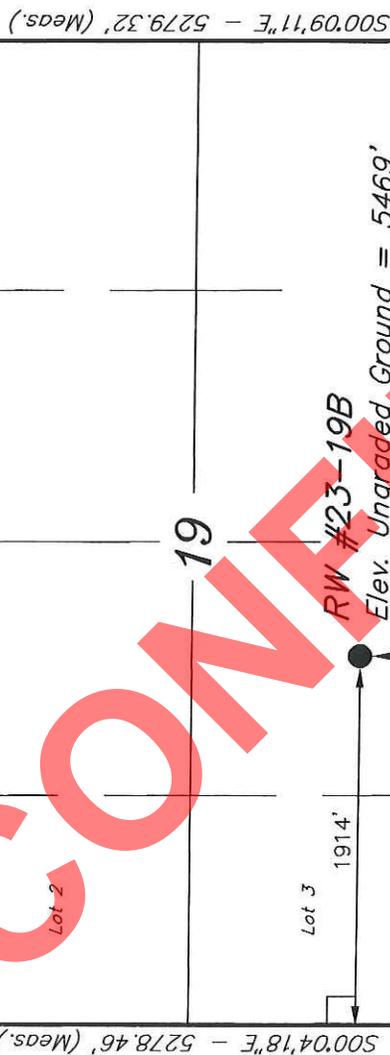
Well location, RW #23-19B, located as shown in the NE 1/4 SW 1/4 of Section 19, T7S, R23E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

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

BASIS OF BEARINGS

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



CERTIFICATE

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

Robert H. ...
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 161319
 STATE OF UTAH

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

SCALE	1" = 1000'	DATE SURVEYED:	01-13-11	DATE DRAWN:	02-07-11
PARTY	A.F. J.C. J.I.	REFERENCES	G.L.O. PLAT		
WEATHER	COOL	FILE	QEP ENERGY COMPANY		

LEGEND:

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

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RW #23-19B

LOCATED IN UINTAH COUNTY, UTAH
SECTION 19, T7S, R23E, S.L.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: WESTERLY

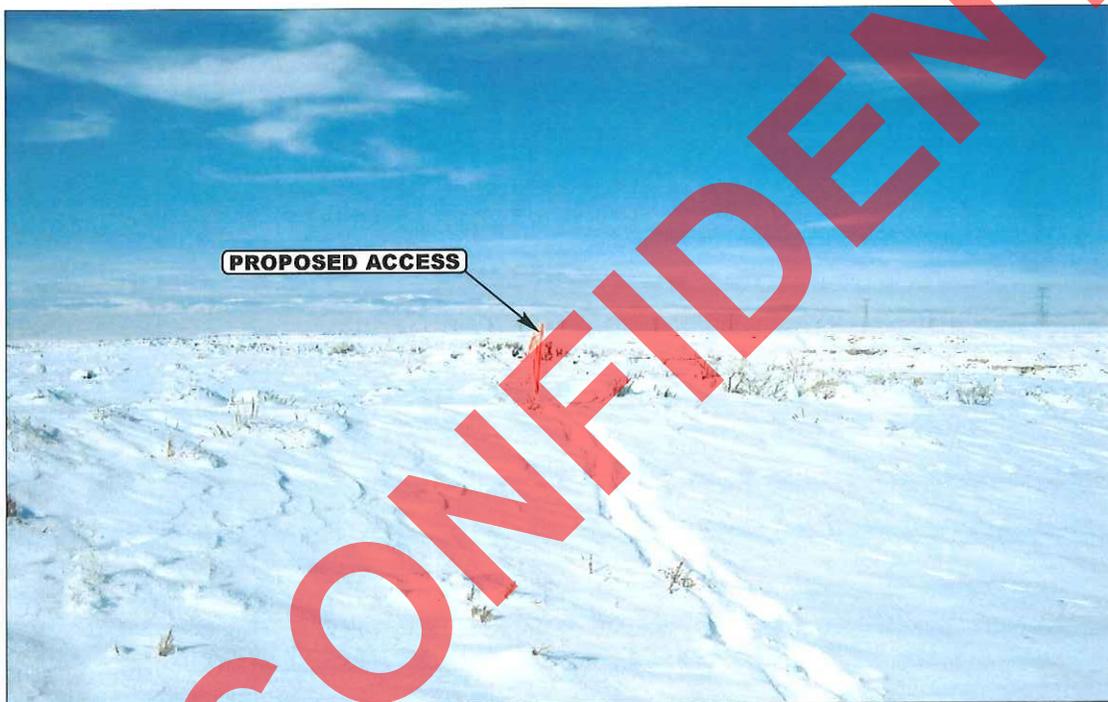


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHWESTERLY



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

LOCATION PHOTOS	01	14	11	PHOTO
	MONTH	DAY	YEAR	
TAKEN BY: A.F.	DRAWN BY: Z.L.		REVISED: 00-00-00	

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

QEP ENERGY COMPANY

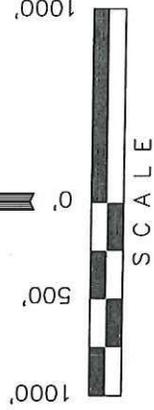
Well location, RW #23-19B, located as shown in the NE 1/4 SW 1/4 of Section 19, T7S, R23E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

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

BASIS OF BEARINGS

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CERTIFICATE

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

UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078
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SCALE	1" = 1000'	DATE SURVEYED:	01-13-11	DATE DRAWN:	02-07-11
PARTY	A.F. J.C. J.I.	REFERENCES	G.L.O. PLAT		
WEATHER	COOL	FILE	QEP ENERGY COMPANY		

LEGEND:

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

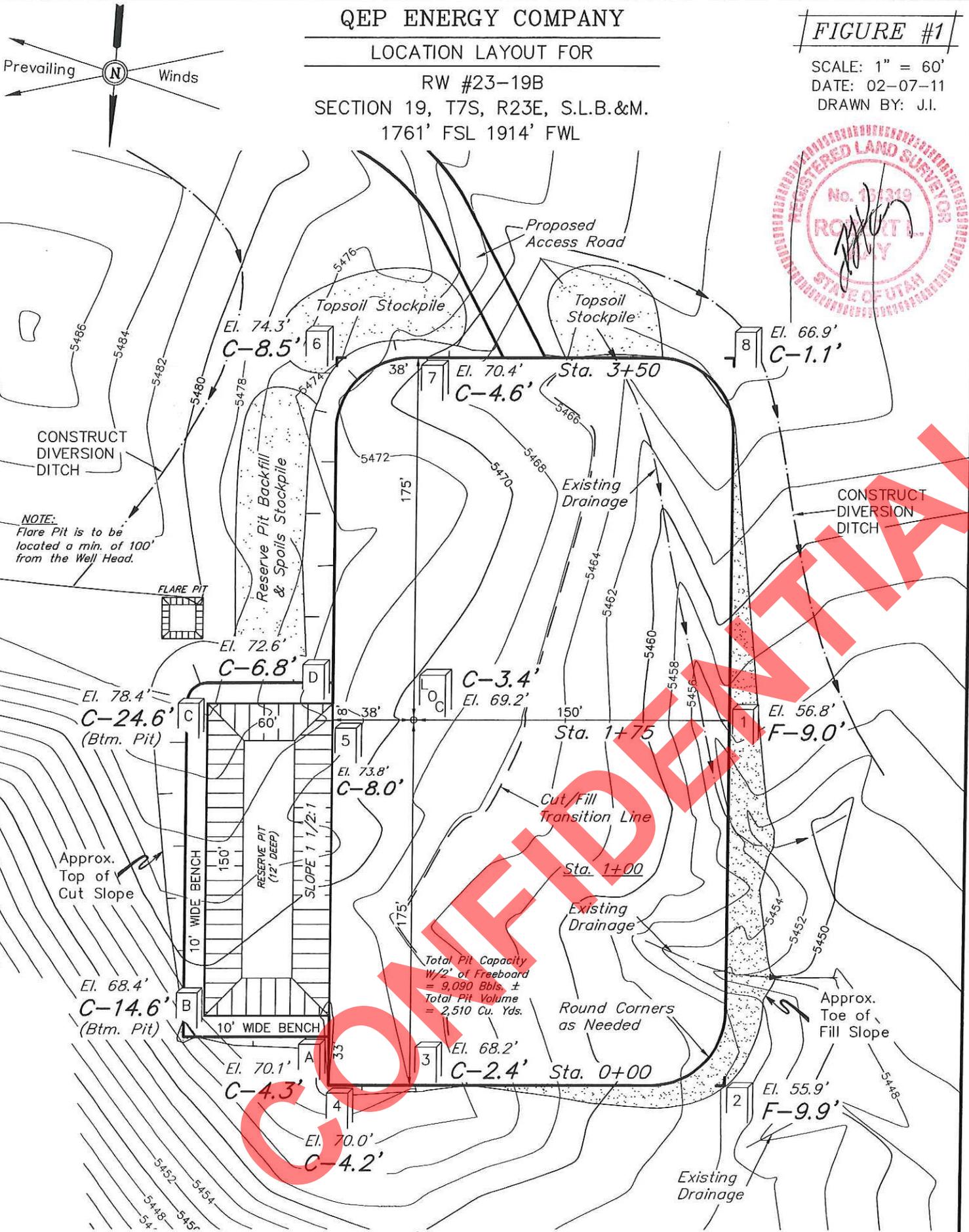
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LOCATION LAYOUT FOR

RW #23-19B
SECTION 19, T7S, R23E, S.L.B.&M.
1761' FSL 1914' FWL

FIGURE #1

SCALE: 1" = 60'
DATE: 02-07-11
DRAWN BY: J.I.



Total Pit Capacity
W/2' of Freeboard
= 9,090 Bbls. ±
Total Pit Volume
= 2,510 Cu. Yds.

Elev. Ungraded Ground At Loc. Stake = 5469.2'
FINISHED GRADE ELEV. AT LOC. STAKE = 5465.8'

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RECEIVED: Jul. 07, 2011

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TYPICAL CROSS SECTIONS FOR

RW #23-19B

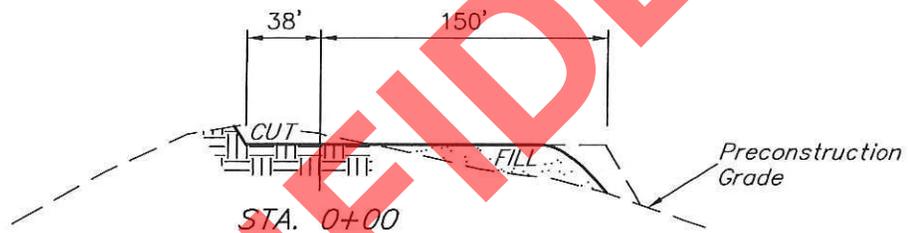
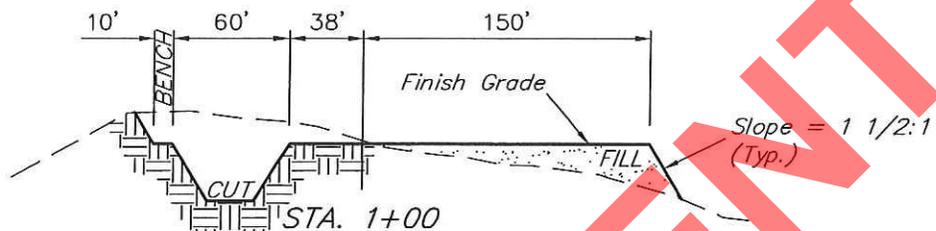
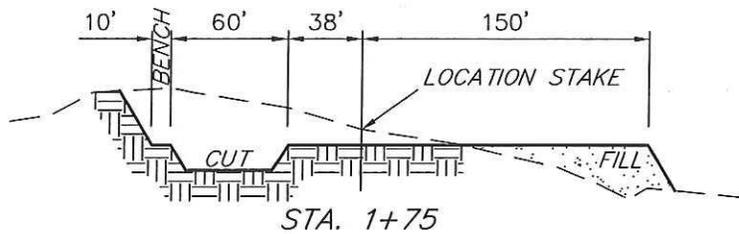
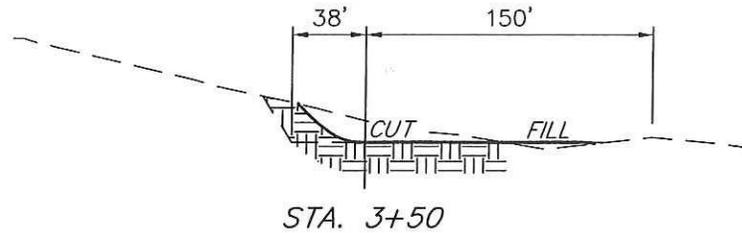
SECTION 19, T7S, R23E, S.L.B.&M.

1761' FSL 1914' FWL

FIGURE #2

1" = 40'
X-Section
Scale
1" = 100'

DATE: 02-07-11
DRAWN BY: J.I.



NOTE:

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

APPROXIMATE ACREAGES

WELL SITE DISTURBANCE = ± 2.236 ACRES
ACCESS ROAD DISTURBANCE = ± 1.104 ACRES
PIPELINE DISTURBANCE = ± 1.038 ACRES
TOTAL = ± 4.378 ACRES

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping = 1,700 Cu. Yds.
Remaining Location = 9,250 Cu. Yds.
TOTAL CUT = 10,950 CU.YDS.
FILL = 7,990 CU.YDS.

EXCESS MATERIAL = 2,960 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.) = 2,960 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation) = 0 Cu. Yds.

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TYPICAL RIG LAYOUT FOR

RW #23-19B

SECTION 19, T7S, R23E, S.L.B.&M.

1761' FSL 1914' FWL

FIGURE #3

SCALE: 1" = 60'

DATE: 02-07-11

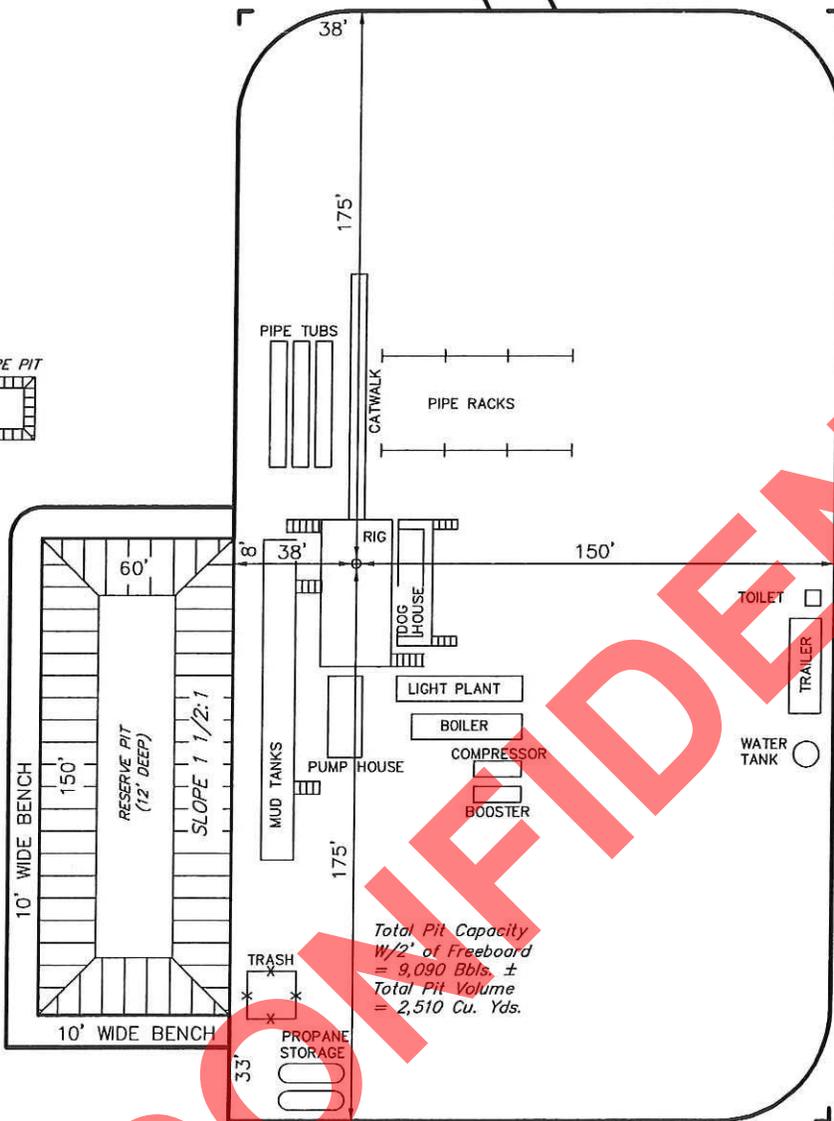
DRAWN BY: J.I.



Proposed Access Road

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

FLARE PIT



Total Pit Capacity
W/2' of Freeboard
= 9,090 Bbbls. ±
Total Pit Volume
= 2,510 Cu. Yds.

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QEP ENERGY COMPANY

INTERIM RECLAMATION LAYOUT FOR

RW #23-19B

SECTION 19, T7S, R23E, S.L.B.&M.

1761' FSL 1914' FWL

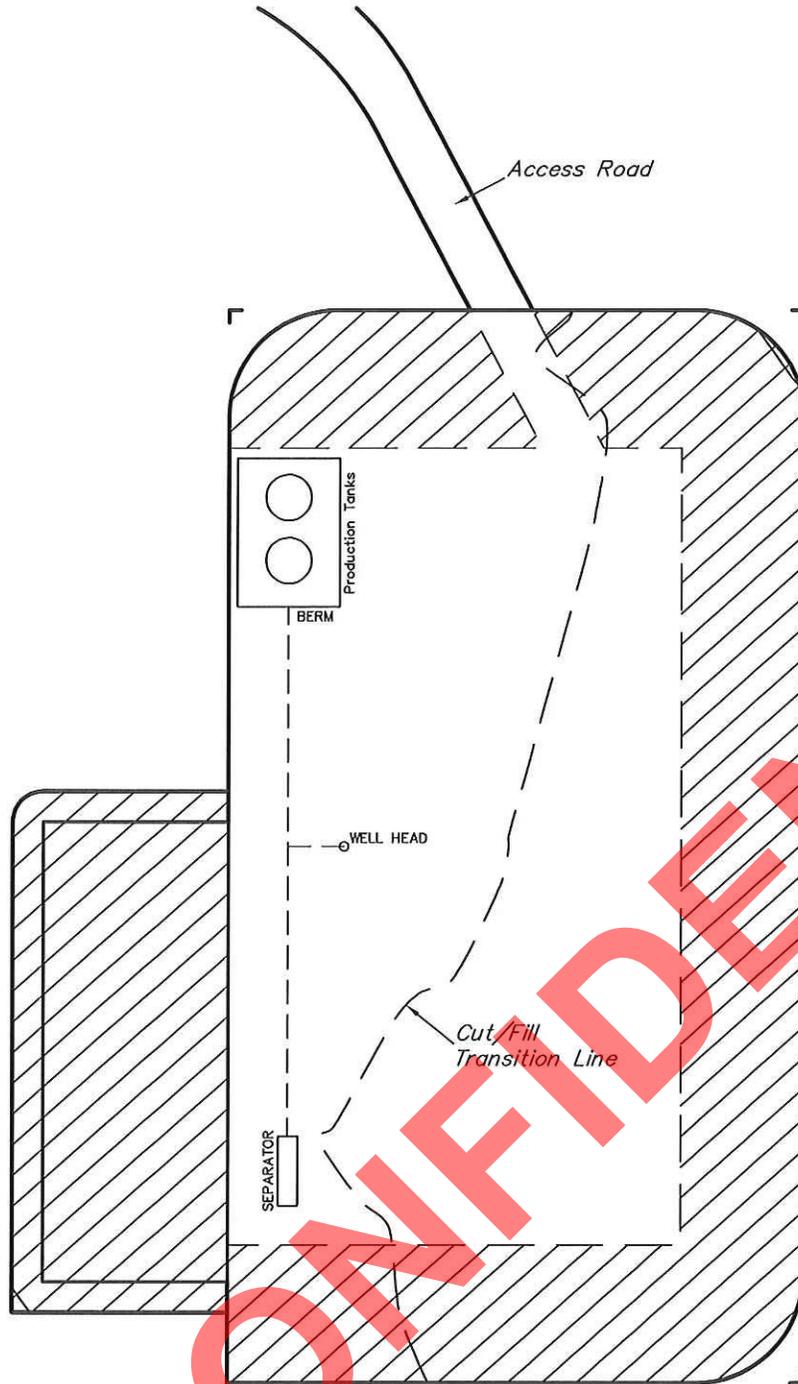
FIGURE #4

SCALE: 1" = 60'

DATE: 02-07-11

DRAWN BY: J.I.

REV.: 06-27-11 J.I.



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APPROXIMATE ACREAGES
UN-RECLAIMED = ± 0.904 ACRES

 INTERIM RECLAMATION

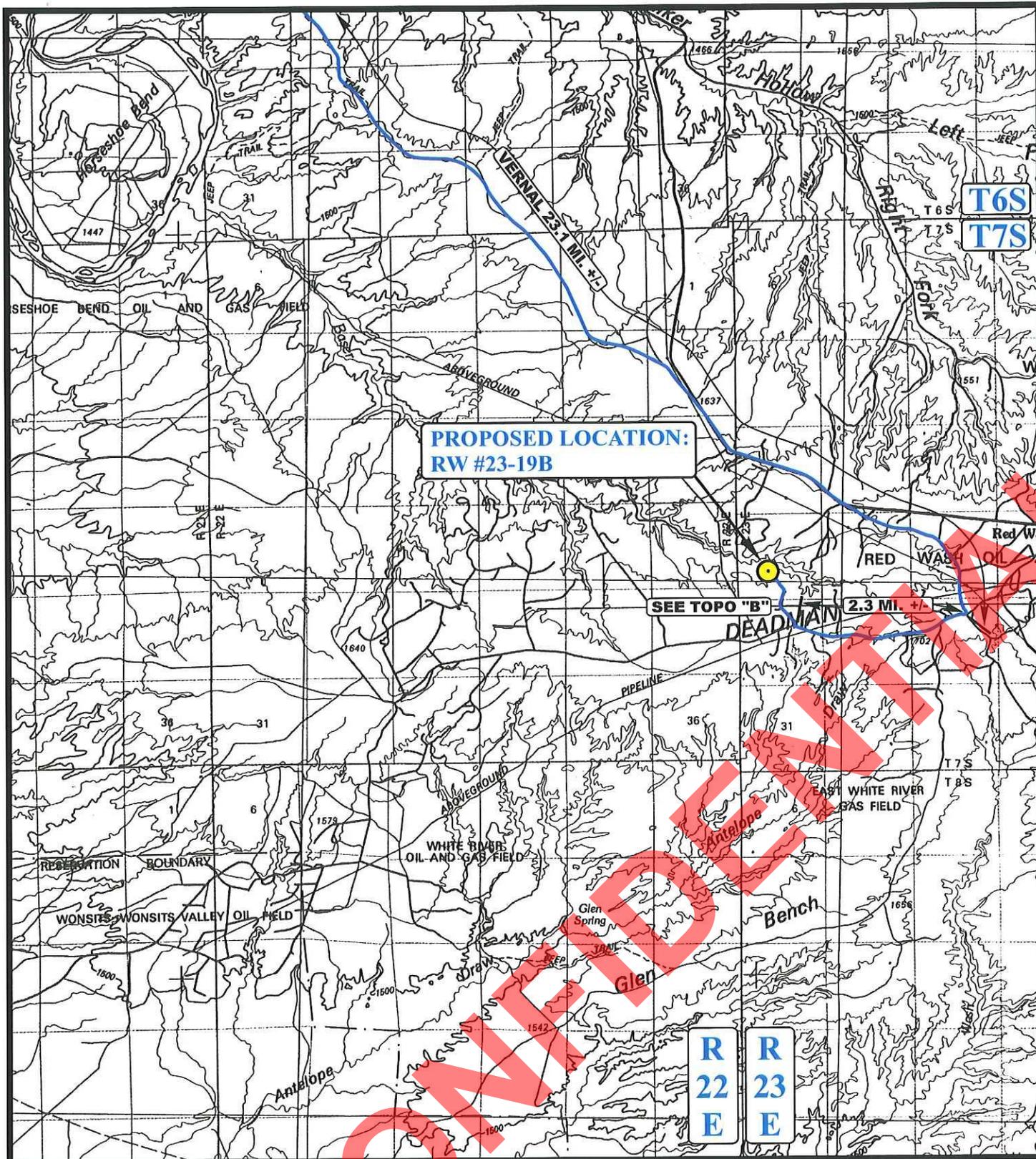
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QEP ENERGY COMPANY
RW #23-19B
SECTION 19, T7S, R23E, S.L.B.&M.

PROCEED IN AN EASTERLY, THEN SOUTHERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 3.9 MILES TO THE JUNCTION OF STATE HIGHWAY 45; EXIT RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 19.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN RIGHT AND PROCEED IN A WESTERLY DIRECTION APPROXIMATELY 2.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN RIGHT AND PROCEED IN A NORTHWESTERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTHWEST; FOLLOW ROAD FLAGS IN A NORTHWESTERLY DIRECTION APPROXIMATELY 1603' TO THE PROPOSED LOCATION.

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

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LEGEND:

 PROPOSED LOCATION



QEP ENERGY COMPANY

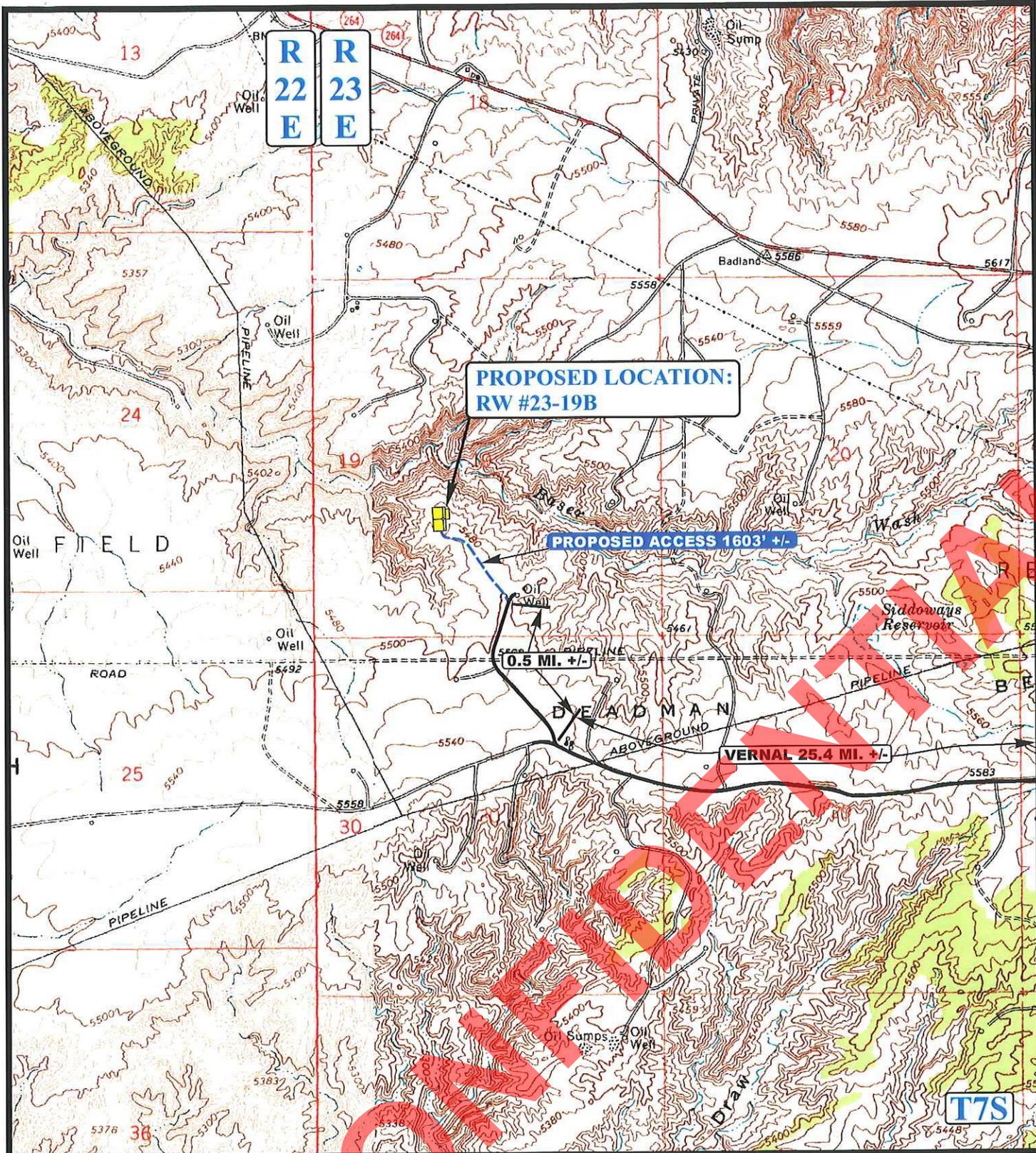
RW #23-19B
SECTION 19, T7S, R23E, S.L.B.&M.
1761' FSL 1914' FWL



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

TOPOGRAPHIC MAP **01 14 11**
MONTH DAY YEAR
SCALE: 1:100,000 DRAWN BY: Z.L. REVISED: 00-00-00





LEGEND:

- EXISTING ROAD
- PROPOSED ACCESS ROAD

QEP ENERGY COMPANY

RW #23-19B
SECTION 19, T7S, R23E, S.L.B.&M.
1761' FSL 1914' FWL

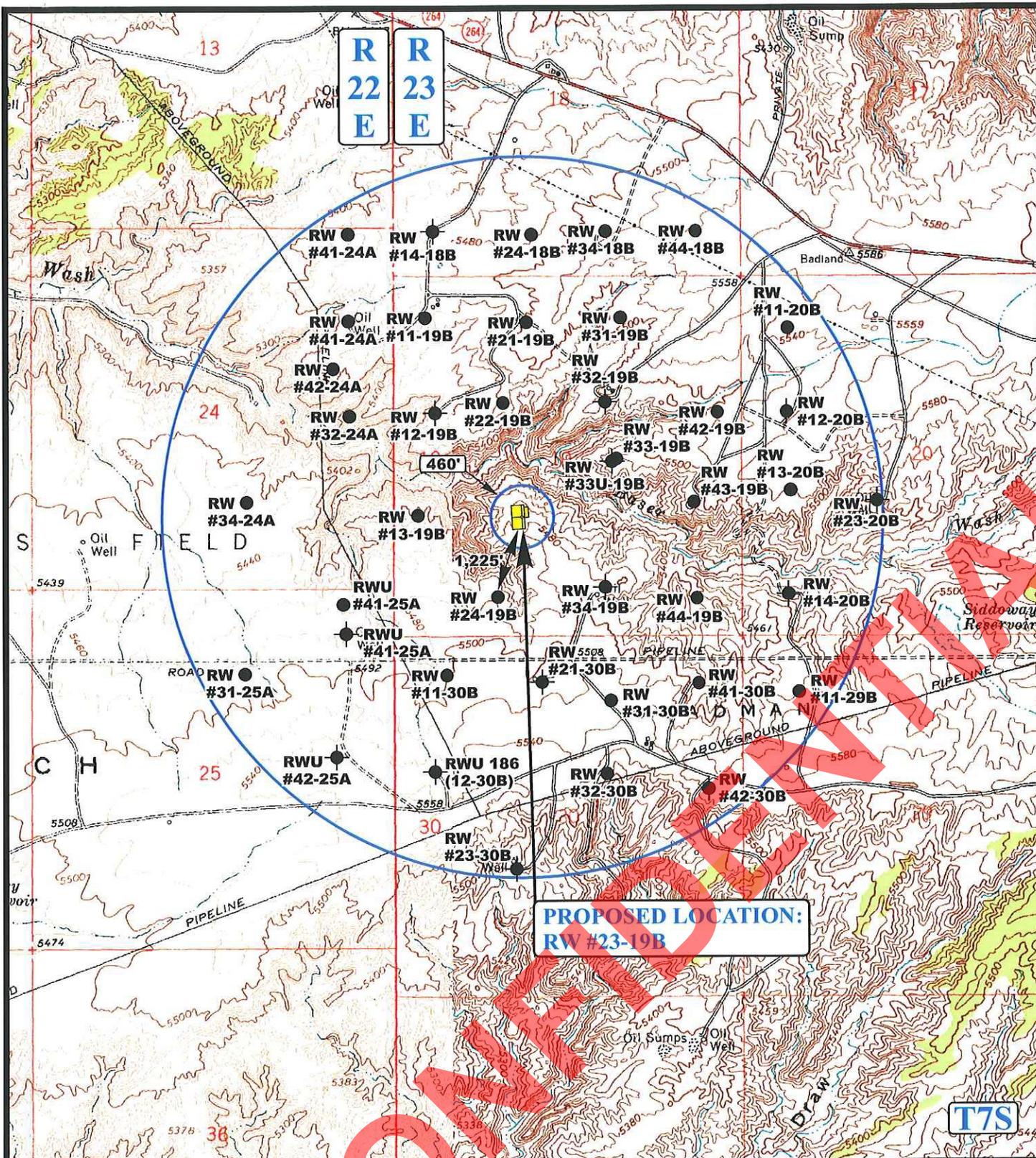


Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
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TOPOGRAPHIC MAP **01 14 11**
 MONTH DAY YEAR
 SCALE: 1" = 2000' DRAWN BY: Z.L. REVISED: 00-00-00





PROPOSED LOCATION:
RW #23-19B

LEGEND:

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

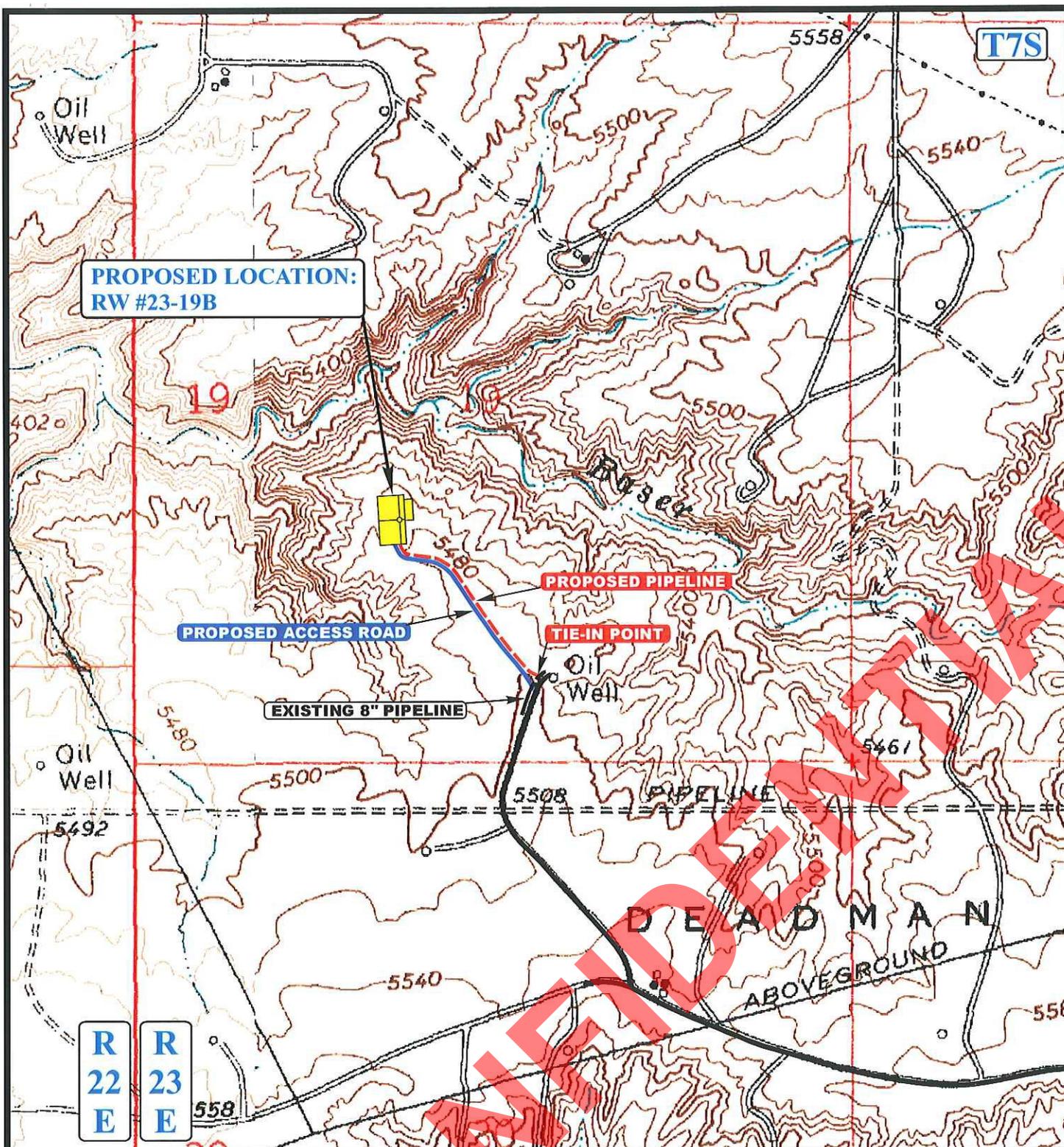
QEP ENERGY COMPANY

RW #23-19B
SECTION 19, T7S, R23E, S.L.B.&M.
1761' FSL 1914' FWL

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

TOPOGRAPHIC MAP 01 14 11
MONTH DAY YEAR
SCALE: 1" = 2000' DRAWN BY: Z.L. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 1,507' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- - - - - PROPOSED PIPELINE



QEP ENERGY COMPANY

RW #23-19B
 SECTION 19, T7S, R23E, S.L.B.&M.
 1761' FSL 1914' FWL



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

TOPOGRAPHIC
 MAP

01 14 11
 MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: Z.L. REVISED: 00-00-00



WEED DATA SHEET

PROJECT NAME: *RW 23-19B*
 SURVEYOR: Stephanie Tomkinson

DATE: *6-8-11*

	Location GPS Coordinates	Site Description	Weed Species	Cover Class or Number	Pattern	Infestation Size (acres)
1						
2						
3						
4						
5						
6						
7						

SITE DRAWING (Optional): Include a sketch of the infestation within the project area. Count the number of individuals if possible.

No noxious weeds on location.

*Cover Class- estimated percent cover, by species, of the infestation

- 0 = No weeds found
- 1 = Less than 1% (trace)
- 2 = One to five % (low - occasional plants)
- 3 = Six to twenty-five % (moderate - scattered plants)
- 4 = Twenty-five to 100 % (high - fairly dense)

*Pattern - pattern of the infestation

- 0 = No weeds found
- 1 = Single plant or small area of many plants
- 2 = Linear
- 3 = Patchy
- 4 = Block

*Infestation Size - number of estimated acres of the infestation

- 0 = No weeds found
- 1 = Less than one acre
- 2 = One to five acres
- 3 = five or more acres

Cheatgrass canopy cover: 24
 Russian thistle canopy cover: 2
 Halogeton canopy cover: 2
 Kochia canopy cover: 1

*MSJ
 WBS*

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Additional Operator Remarks

QEP Energy Company proposes drill a vertical gas well to a depth of 11, 544' to test the Mesa Verde Formation. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirements.

Please see Onshore Order No. 1.

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

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

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

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**QEP ENERGY COMPANY
RW 23-19B
1761' FSL 1914' FWL
NESW SECTION 19, T7S, R23E
UINTAH COUNTY, UTAH
LEASE # UTU-02030**

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

An onsite inspection was conducted for the RW 23-19B on June 8, 2011. Weather conditions were sunny at the time of the onsite. In attendance at the inspection were the following individuals:

Kevin Sadlier	Bureau of Land Management
Aaron Roe	Bureau of Land Management
Holly Villa	Bureau of Land Management
Daniel Emmett	Bureau of Land Management
Melissa Wardle	Bureau of Land Management
Stephanie Tomkinson	QEP Energy Company
Valyn Davis	QEP Energy Company
Andy Floyd	Uintah Engineering & Land Surveying

1. Existing Roads:

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

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

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

2. Planned Access Roads:

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

There will be a new access road approximately 1,603' in length, containing approximately 1.104 acres. The access road will be crowned and ditched with a running surface of 18 feet and a maximum disturbed width of 30. Any additional disturbance required due to intersections or sharp curves will be discussed at the on-site and approved by the BLM/VFO AO. Graveling or capping the roadbed will be performed as necessary to provide a well constructed safe road. Should conditions warrant, rock, gravel or culverts will be installed as needed. Surface disturbance and vehicular traffic will be limited to the approved location and access route or, as proposed by the Operator.

Access roads and surface disturbing activities will conform to standards outlined in the BLM and Forest Service publication: Surface Operating Standards for Oil and gas Exploration and Development, Fourth Edition 2006. 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. 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. 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. 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 road.

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

Please refer to Topo Map C.

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

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

The following guidelines will apply if the well is productive.

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

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

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

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

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

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

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

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

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

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

The proposed pipeline will be a surface 10" or smaller, 1,507' in length, containing 1.038 acres.

Road Crossings

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

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

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

5. Location and Type of Water Supply:

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

Water for drilling purposes would be obtained from Wonsits Valley Water Right # A 36125 (which was filed on May 7, 1964) or Red Wash Water Right # 49-2153 (which was filed on March 25, 1960). It was determined by the Fish and Wildlife Service that any water right number filed before 1989 is not depleting to the Upper Colorado River System.

6. Source of Construction Materials:

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

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

Any gravel will be obtained from a commercial source.

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

7. Methods of Handling Waste Materials:

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

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

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

Unless specified in the site specific APD, the reserve pit will be constructed on the location and will not be located within natural drainages, where a flood hazard exists

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

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

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

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

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

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

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

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

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

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

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

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

8. **Ancillary Facilities:**

None anticipated.

9. **Well Site Layout: (See Location Layout Diagram)**

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram rig orientation, parking areas, and access roads, as well as the location of the following:

The reserve pit.

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

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

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

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

10. **Fencing Requirements:**

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

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

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

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

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

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

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

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

11. Plans for Reclamation of the Surface:

Please refer to QEP Energy Company Uinta Basin Division Reclamation Plan

Site Specific Procedures:

Site Specific Reclamation Summary:

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

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

The disturbed area will be backfilled with subsoil.

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

Water courses and drainages will be restored.

Erosion control devices will be installed where needed.

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

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

Monitoring and reporting will be conducted as stated in Questar's Reclamation Plan. A sundry notice (Form 3160.5), for the Reference Site will be filed at a later date. A Weed Data Sheet is included with this application.

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

12. Surface Ownership:

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

13. Other Information:

A Class III archaeological survey was conducted by Montgomery Archaeology Consultants. A copy of this report was submitted on May 4, 2011, **Moac Report No. 11-009** by Montgomery Archaeology Consultants. Cultural resource clearance was recommended for this location.

A Class III paleontological survey was conducted by Intermountain Paleo Consulting. A copy of this report was submitted on June 3, 2011 IPC # 11-22 by Stephen D. Sandau. The inspection resulted in the location of no fossil resources. However, if vertebrate fossil(s) are found during construction a paleontologist should be immediately notified. QEP will provide Paleo monitor if needed.

Per the onsite on June 8, 2011, the following items were requested/ discussed.

During construction, caution will be taken to not lose any topsoil near the diversion ditch near Corner #8.

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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

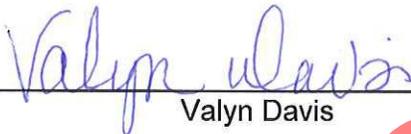
Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

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

6/30/2011
Date

CONFIDENTIAL

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)

July 1, 2011

Memorandum

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

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2011 within the Red Wash Unit, Uintah County, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ MESA VERDE)		
43-047-51723	RW 32-29B Sec 29	T07S R23E 2221 FNL 1976 FEL
43-047-51724	RW 31-20B Sec 20	T07S R23E 0896 FNL 1981 FEL
43-047-51725	RW 23-19B Sec 19	T07S R23E 1761 FSL 1914 FWL

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

Michael L. Coulthard

Digitally signed by Michael L. Coulthard
DN: cn=Michael L. Coulthard, o=Bureau of Land Management,
ou=Branch of Minerals, email=Michael_Coulthard@blm.gov, c=US
Date: 2011.07.01 09:39:44 -06'00'

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

MCoulthard:mc:7-1-11

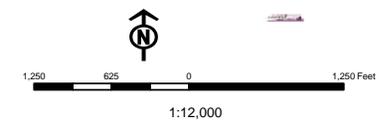
RECEIVED: Jul. 07, 2011



API Number: 4304751725
Well Name: RW 23-19B
Township T07 . Range R2.3 . Section 19
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	LA - Location Abandoned
PI OIL	LOC - New Location
PP GAS	OPS - Operation Suspended
PP GEOTHERML	PA - Plugged Abandoned
PP OIL	PGW - Producing Gas Well
SECONDARY	POW - Producing Oil Well
TERMINATED	RET - Returned APD
Fields	SGW - Shut-in Gas Well
STATUS	SOW - Shut-in Oil Well
Unknown	TA - Temp. Abandoned
ABANDONED	TW - Test Well
ACTIVE	WDW - Water Disposal
COMBINED	WIW - Water Injection Well
INACTIVE	WSW - Water Supply Well
STORAGE	
TERMINATED	
Sections	
Township	



WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 6/30/2011

API NO. ASSIGNED: 43047517250000

WELL NAME: RW 23-19B

OPERATOR: QEP ENERGY COMPANY (N3700)

PHONE NUMBER: 435 781-4369

CONTACT: Valyn Davis

PROPOSED LOCATION: NESW 19 070S 230E

Permit Tech Review:

SURFACE: 1761 FSL 1914 FWL

Engineering Review:

BOTTOM: 1761 FSL 1914 FWL

Geology Review:

COUNTY: UINTAH

LATITUDE: 40.19264

LONGITUDE: -109.37133

UTM SURF EASTINGS: 638638.00

NORTHINGS: 4450200.00

FIELD NAME: RED WASH

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU02030

PROPOSED PRODUCING FORMATION(S): MESA VERDE

SURFACE OWNER: 1 - Federal

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

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

LOCATION AND SITING:

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

Comments: Presite Completed

Stipulations: 4 - Federal Approval - dmason



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: RW 23-19B
API Well Number: 43047517250000
Lease Number: UTU02030
Surface Owner: FEDERAL
Approval Date: 7/7/2011

Issued to:

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

Authority:

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

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:

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

Conditions of Approval:

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

Notification Requirements:

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

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

OR

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

Reporting Requirements:

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

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

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

Approved By:

A handwritten signature in black ink, appearing to read "John Rogers", written over a horizontal line.

For John Rogers
Associate Director, Oil & Gas

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

JUN 30 2011

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

APPLICATION FOR PERMIT TO DRILL OR REENTER **BLM**

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		CONFIDENTIAL		5. Lease Serial No. UTU02030
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" 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. 892000761X
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. RW 23-19B
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NESW 1761FSL 1914FWL 40.192611 N Lat, 109.372028 W Lon At proposed prod. zone NESW 1761FSL 1914FWL 40.192611 N Lat, 109.372028 W Lon				9. API Well No. 43-047-51725
14. Distance in miles and direction from nearest town or post office* 26				10. Field and Pool, or Exploratory RED WASH
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1761		16. No. of Acres in Lease 1875.80		11. Sec., T., R., M., or Blk. and Survey or Area Sec 19 T7S R23E Mer SLB
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 1225		19. Proposed Depth 11544 MD 11544 TVD		12. County or Parish UINTAH
21. Elevations (Show whether DF, KB, RT, GL, etc.) 5469 GL		22. Approximate date work will start 12/01/2011		13. State UT
				17. Spacing Unit dedicated to this well 40.00
				20. BLM/BIA Bond No. on file ESB000024
				23. Estimated duration 30 DAYS

24. Attachments

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

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

25. Signature (Electronic Submission)	Name (Printed/Typed) VALYN DAVIS Ph: 435-781-4369	Date 06/30/2011
--	--	--------------------

Title
REGULATORY AFFAIRS ANALYST

Approved by (Signature) 	Name (Printed/Typed) Jerry Kenczka	Date NOV 30 2011
-----------------------------	---------------------------------------	---------------------

Title
Assistant Field Manager
Lands & Mineral Resources

Office
VERNAL FIELD OFFICE

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

CONDITIONS OF APPROVAL ATTACHED

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

Electronic Submission #112002 verified by the BLM Well Information System
For QEP ENERGY COMPANY, sent to the Vernal
Committed to AFMSS for processing by ROBIN R. HANSEN on 07/06/2011 ()

RECEIVED

DEC 14 2011

DIV. OF OIL, GAS & MINING

UDOGM

NOTICE OF APPROVAL

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

115XS0683AE

1105 5/26/11



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	Location:	NESW, SEC. 19 T7S R23E SLM
Well No:	RW 23-19B	Lease No:	UTU-02030
API No:	43-047-51725	Agreement:	RED WASH UNIT

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

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

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit 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: 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/RECLAMATION
CONDITIONS OF APPROVAL:**

- All vehicles and equipment shall be cleaned either through power-washing, or other approved method, if the vehicles or equipment were brought in from areas outside the Uinta Basin, to prevent weed seed introduction.
- All disturbance areas shall be monitored for noxious weeds annually, for a minimum of three growing seasons following completion of project or until desirable vegetation is established.
- Reclamation will be completed in accordance with the Questar Exploration and Production Company, Uintah Basin Division's Reclamation Plan on file with the Vernal Field Office of the BLM.
- In the event historic or archaeological resources are uncovered during construction, work will stop immediately and the appropriate BLM AO will be notified.
- If paleontologic resources are uncovered during construction activities, the operator shall immediately suspend all operations that will further disturb such resources, and immediately notify the Authorized Officer (AO). The AO will arrange for a determination of significance and, if necessary, recommend a recovery or avoidance plan.
- QEP has agreed not to construct or drill during the following dates, unless otherwise determined by the BLM wildlife biologist.

Well Name	Burrowing Owl March 1 to August 31	Red Tailed Hawk March 1 to August 15	Ferruginous Hawk March 1 to August 1
RW 12-26B	No	No	No
RW 12-30B	Yes	Yes	No
RW 21-30B	Yes	Yes	No
RW 23-19B	No	No	No
RW 23-30B	No	Yes	No
RW 31-20B	Yes	No	No
RW 32-19B	No	Yes	No
RW 32-29B	No	No	Yes
RW 34-19B	Yes	Yes	No
RW 34-24B	Yes	No	Yes
RW 43-20B	No	No	No
RW 44-25B	No	No	Yes

All internal combustion equipment would be kept in good working order.

Water or other approved dust suppressants would be used at construction sites and along roads, as determined appropriate by the Authorized Officer.

Open burning of garbage or refuse would not occur at well sites or other facilities.

Drill rigs would be equipped with Tier II or better diesel engines.

Low bleed pneumatics would be installed on separator dump valves and other controllers. The use of low bleed pneumatics would result in a lower emission of VOCs.

During completion, flaring would be limited as much as possible. Production equipment and gathering lines would be installed as soon as possible.

Well site telemetry would be utilized as feasible for production operations.

- Following well plugging and abandonment, the location, access roads, pipelines, and other facilities shall be reclaimed. All disturbed surfaces shall be reshaped to approximate the original contour; the top soil respread over the surface; and, the surface revegetated. The surface of approved staging areas where construction activities did not occur may require disking or ripping and reseeding.
- The best method to avoid entrainment is to pump from an off-channel location – one that does not connect to the river during high spring flows. An infiltration gallery constructed in a BLM and Service approved location is best.
- If the pump head is located in the river channel where larval fish are known to occur, the following measures apply:

- do not situate the pump in a low-flow or no-flow area as these habitats tend to concentrate larval fishes;
 - limit the amount of pumping, to the greatest extent possible, during that period of the year when larval fish may be present (April 1 to August 31); and
 - limit the amount of pumping, to the greatest extent possible, during the pre-dawn hours as larval drift studies indicate that this is a period of greatest daily activity.
-
- Screen all pump intakes with 3/32" mesh material.

 - Approach velocities for intake structures will follow the National Marine Fisheries Service's document "Fish Screening Criteria for Anadromous Salmonids". For projects with an in-stream intake that operate in stream reaches where larval fish may be present, the approach velocity will not exceed 0.33 feet per second (ft/s).

 - Report any fish impinged on the intake screen to the Service (801.975.3330) and the Utah Division of Wildlife Resources:

Northeastern Region
152 East 100 North, Vernal, UT 84078
Phone: (435) 781-9453

DOWNHOLE PROGRAM CONDITIONS OF APPROVAL

SITE SPECIFIC DOWNHOLE COAs:

Site Specific Drilling Plan COA's:

1. Gamma ray Log shall be run from Total Depth to Surface.

Variations Granted:

Air Drilling

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

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

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.

- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at www.ONRR.gov.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid,

and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

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

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS	
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: UTU02030	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME: RED WASH	8. WELL NAME and NUMBER: RW 23-19B
1. TYPE OF WELL Gas Well	9. API NUMBER: 43047517250000
2. NAME OF OPERATOR: QEP ENERGY COMPANY	9. FIELD and POOL or WILDCAT: RED WASH
3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078	PHONE NUMBER: 303 308-3068 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1761 FSL 1914 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 19 Township: 07.0S Range: 23.0E 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: 7/7/2013	<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 type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" 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 HEREBY REQUESTS A ONE YEAR EXTENSION FOR THE APD ON THE ABOVE CAPTIONED WELL.

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

Date: July 11, 2012
By: 

NAME (PLEASE PRINT) Valyn Davis	PHONE NUMBER 435 781-4369	TITLE Regulatory Affairs Analyst
SIGNATURE N/A	DATE 7/10/2012	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047517250000

API: 43047517250000

Well Name: RW 23-19B

Location: 1761 FSL 1914 FWL QTR NESW SEC 19 TWP 070S RNG 230E MER S

Company Permit Issued to: QEP ENERGY COMPANY

Date Original Permit Issued: 7/7/2011

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

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

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

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

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

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

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

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

Signature: Valyn Davis

Date: 7/10/2012

Title: Regulatory Affairs Analyst Representing: QEP ENERGY COMPANY

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU02030
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: RED WASH
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: RW 23-19B
2. NAME OF OPERATOR: QEP ENERGY COMPANY	9. API NUMBER: 43047517250000
3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078	PHONE NUMBER: 303 308-3068 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1761 FSL 1914 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 19 Township: 07.0S Range: 23.0E Meridian: S	9. FIELD and POOL or WILDCAT: RED WASH 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: 4/1/2013 <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 checked="" 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 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.

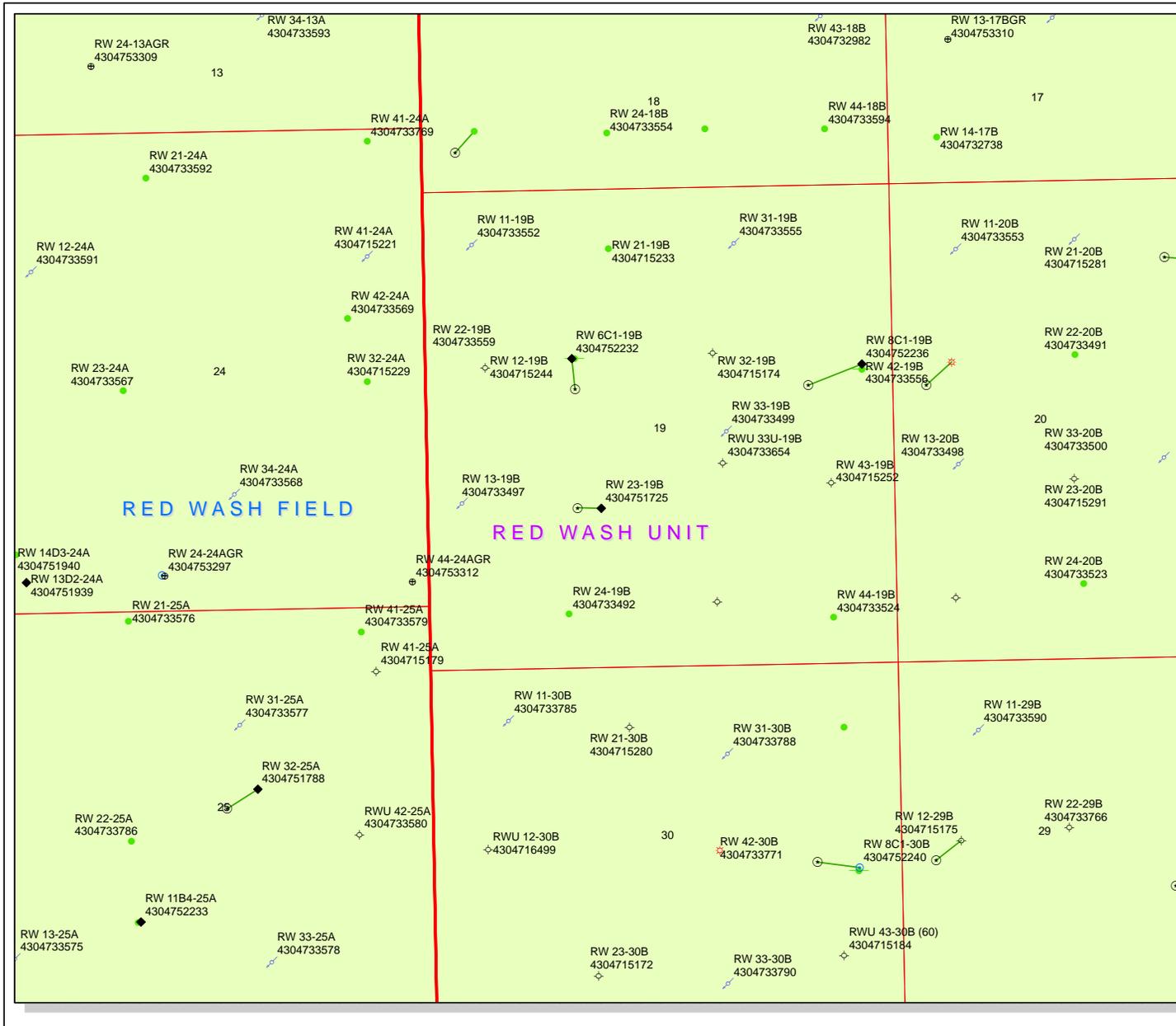
QEP ENERGY COMPANY REQUESTS TO CHANGE THE DRILLING PLAN ON THE ABOVE MENTIONED WELL: THE SURFACE HOLE WILL BE DRILLED WITH AIR, AIR/MIST, FOAM OR MUD DEPENDING ON HOLE CONDITIONS. DRILLING BELOW SURFACE CASING WILL BE WITH WATER BASED DRILLING FLUIDS CONSISTING PRIMARILY OF FRESH WATER, BENTONITE, LIGNITE, CAUSTIC, LIME SODA ASH AND POLYMER. NO CHROMATES WILL BE USED. IT IS NOT INTENDED TO USE OIL IN THE MUD, HOWEVER, IN THE EVENT IT IS USED, OIL CENTRATION WILL BE LESS THAN 4% BY VOLUME. MAXIMUM ANTICIPATED MUD WEIGHT IS 9.5 PPG. QEP REQUESTS TO SET 90' OF 14" CONDUCTOR PIPE. QEP WOULD LIKE TO OPTIMIZE THE BOTTOM HOLE SPACING OF THE MESA VERDE DEVELOPMENT, THEREFORE **QEP WOULD LIKE TO DRILL THIS WILL WITH A SMALL STEP OUT** OF +/-263'. BOTTOM HOLE FOOTAGES ARE: 1768' FSL, 1652'FWL, NESE, SEC. 19, T7S, R23E, 40.192611 LAT, 109.372028 LON. QEP REQUESTS TO CHANGE THE TD TO 11,588'MD.

Approved by the Utah Division of Oil, Gas and Mining

Date: November 21, 2012

By:

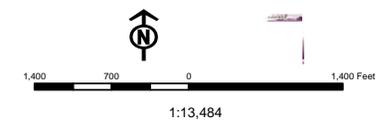
NAME (PLEASE PRINT) Jan Nelson	PHONE NUMBER 435 781-4331	TITLE Permit Agent
SIGNATURE N/A	DATE 11/7/2012	



API Number: 4304751725
Well Name: RW 23-19B
Township T07.0S Range R23.0E Section 19
Meridian: SLBM
Operator: QEP ENERGY COMPANY

Map Prepared:
 Map Produced by Diana Mason

- | | |
|----------------------|------------------------------------|
| Units Status | Wells Query Status |
| ACTIVE | APD - Approved Permit |
| EXPLORATORY | DRL - Spudded (Drilling Commenced) |
| GAS STORAGE | GIW - Gas Injection |
| NF PP OIL | GS - Gas Storage |
| NF SECONDARY | LOC - New Location |
| P1 OIL | OPS - Operation Suspended |
| PP GAS | PA - Plugged Abandoned |
| PP GEOTHERMAL | PGW - Producing Gas Well |
| PP OIL | POW - Producing Oil Well |
| SECONDARY | SGW - Shut-in Gas Well |
| TERMINATED | SOW - Shut-in Oil Well |
| Fields 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/Dr |
| STORAGE | |
| TERMINATED | |



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

QEP ENERGY COMPANY

Well location, RW #23-19B, located as shown in the NE 1/4 SW 1/4 of Section 19, T7S, R23E, S.L.B.&M., Uintah County, Utah.

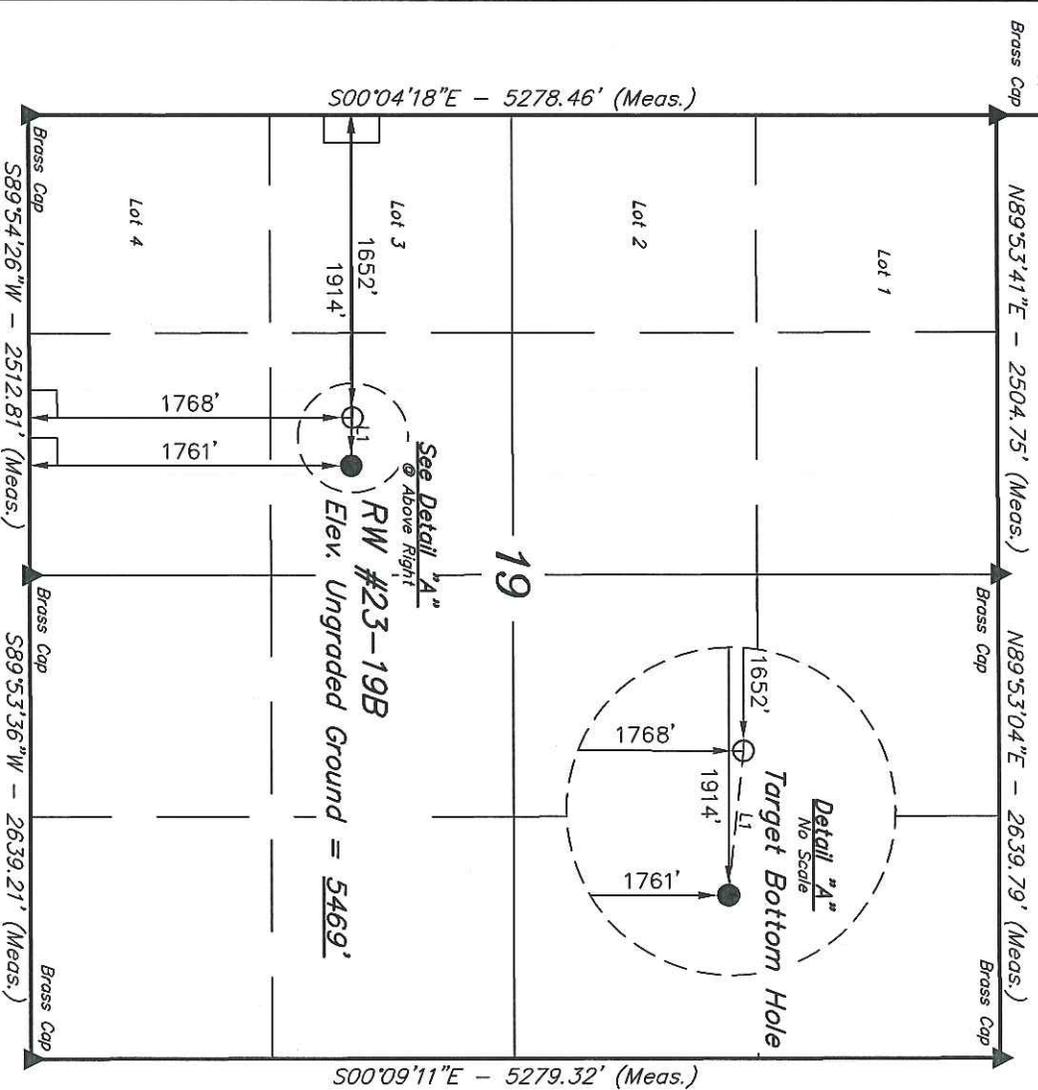
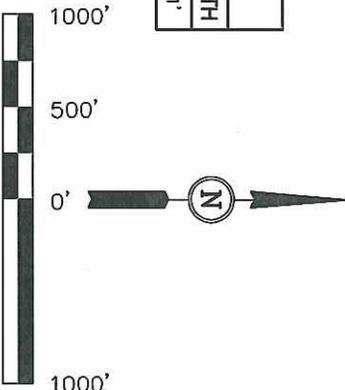
BASIS OF ELEVATION

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

BASIS OF BEARINGS

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

LINE	DIRECTION	LENGTH
L1	N88°33'58"W	262.61'



LEGEND:

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

NAD 83 (TARGET BOTTOM HOLE)		NAD 83 (SURFACE LOCATION)	
LATITUDE = 40°11'33.47" (40.192653)	LATITUDE = 40°11'33.40" (40.192611)		
LONGITUDE = 109°22'22.68" (109.372967)	LONGITUDE = 109°22'19.30" (109.372028)		
NAD 27 (TARGET BOTTOM HOLE)		NAD 27 (SURFACE LOCATION)	
LATITUDE = 40°11'33.60" (40.192667)	LATITUDE = 40°11'33.53" (40.192647)		
LONGITUDE = 109°22'20.22" (109.372283)	LONGITUDE = 109°22'16.84" (109.371344)		

REV: 10-09-12 K.O.

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

SCALE 1" = 1000'	DATE SURVEYED: 01-13-11	DATE DRAWN: 02-07-11
PARTY A.F. J.C. J.I.	REFERENCES G.L.O. PLAT	FILE QEP ENERGY COMPANY
WEATHER COOL		



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.

CERTIFICATE



QEP Energy Company

QEP ENERGY (UT)

Red Wash

RW 23-19B

RW 23-19B

Original Hole

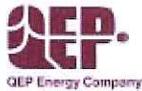
Plan: Plan ver.0

Standard Planning Report

10 September, 2012



QEP Energy Company



QEP Resources, Inc.
Planning Report



Database:	EDMDB_QEP	Local Co-ordinate Reference:	Well RW 23-19B
Company:	QEP ENERGY (UT)	TVD Reference:	RKB @ 5481.80usft (AZTEC 950)
Project:	Red Wash	MD Reference:	RKB @ 5481.80usft (AZTEC 950)
Site:	RW 23-19B	North Reference:	True
Well:	RW 23-19B	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan ver.0		

Project	Red Wash		
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

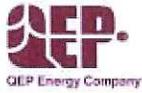
Site	RW 23-19B				
Site Position:		Northing:	7,245,955.070 usft	Latitude:	40.192611
From:	Lat/Long	Easting:	2,234,812.644 usft	Longitude:	-109.372028
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	1.36 °

Well	RW 23-19B					
Well Position	+N/-S	0.00 usft	Northing:	7,245,955.066 usft	Latitude:	40.192611
	+E/-W	0.00 usft	Easting:	2,234,812.644 usft	Longitude:	-109.372028
Position Uncertainty		0.00 usft	Wellhead Elevation:	5,465.80 usft	Ground Level:	5,465.80 usft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	9/10/2012	10.89	66.02	52,324

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	271.43

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		
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00		
1,117.35	8.35	285.12	1,115.88	7.92	-29.30	2.00	2.00	0.00	285.12		
3,269.77	8.35	285.12	3,245.49	89.44	-330.94	0.00	0.00	0.00	0.00		
3,826.24	0.00	0.00	3,800.00	100.00	-370.00	1.50	-1.50	0.00	180.00		
9,138.24	0.00	0.00	9,112.00	100.00	-370.00	0.00	0.00	0.00	0.00		
9,371.58	3.50	131.00	9,345.19	95.33	-364.62	1.50	1.50	0.00	131.00		
11,587.52	3.50	131.00	11,557.00	6.57	-262.53	0.00	0.00	0.00	0.00		



QEP Resources, Inc.
Planning Report



Database:	EDMDB_QEP	Local Co-ordinate Reference:	Well RW 23-19B
Company:	QEP ENERGY (UT)	TVD Reference:	RKB @ 5481.80usft (AZTEC 950)
Project:	Red Wash	MD Reference:	RKB @ 5481.80usft (AZTEC 950)
Site:	RW 23-19B	North Reference:	True
Well:	RW 23-19B	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan ver.0		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,117.35	8.35	285.12	1,115.88	7.92	-29.30	29.49	2.00	2.00	0.00	0.00
3,269.77	8.35	285.12	3,245.49	89.44	-330.94	333.07	0.00	0.00	0.00	0.00
3,826.24	0.00	0.00	3,800.00	100.00	-370.00	372.39	1.50	-1.50	0.00	0.00
9,138.24	0.00	0.00	9,112.00	100.00	-370.00	372.39	0.00	0.00	0.00	0.00
9,371.58	3.50	131.00	9,345.19	95.33	-364.62	366.90	1.50	1.50	0.00	0.00
11,587.52	3.50	131.00	11,557.00	6.57	-262.53	262.61	0.00	0.00	0.00	0.00

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
RW 23-19B (11C1-19B)	0.00	0.00	9,112.00	50.08	-316.67	7,245,997.600	2,234,494.903	40.192749	-109.373162
- hit/miss target									
- Shape									
- plan misses target center by 73.08usft at 9140.47usft MD (9114.23 TVD, 100.00 N, -370.00 E)									
- Circle (radius 150.00)									

Casing Points				
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
4,001.24	3,975.00	9 5/8"	9-5/8	12-1/4

Formations					
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,084.31	3,062.00	Green River		0.00	
3,948.24	3,922.00	Mahog. Bench		0.00	
6,558.24	6,532.00	Wasatch		0.00	
9,138.24	9,112.00	Mesaverde		0.00	
11,487.33	11,457.00	Sego		0.00	



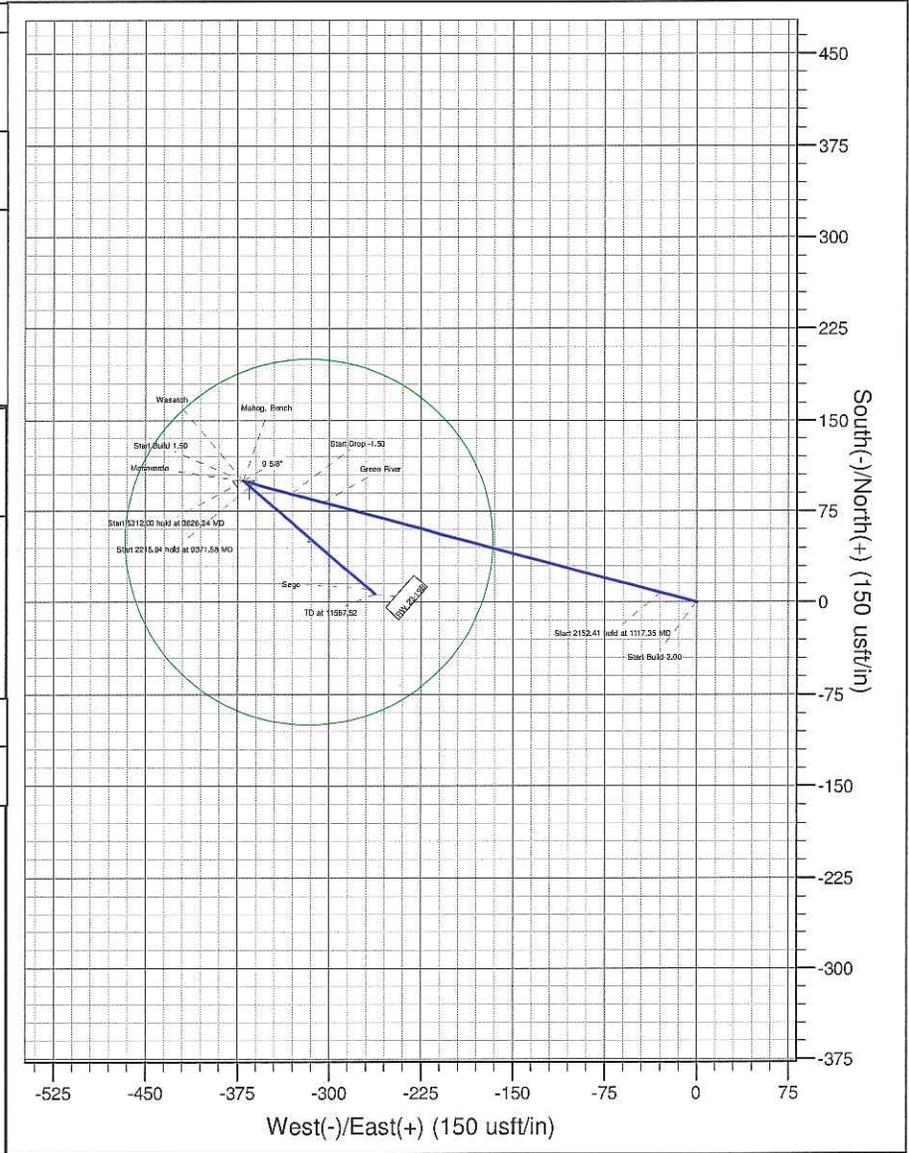
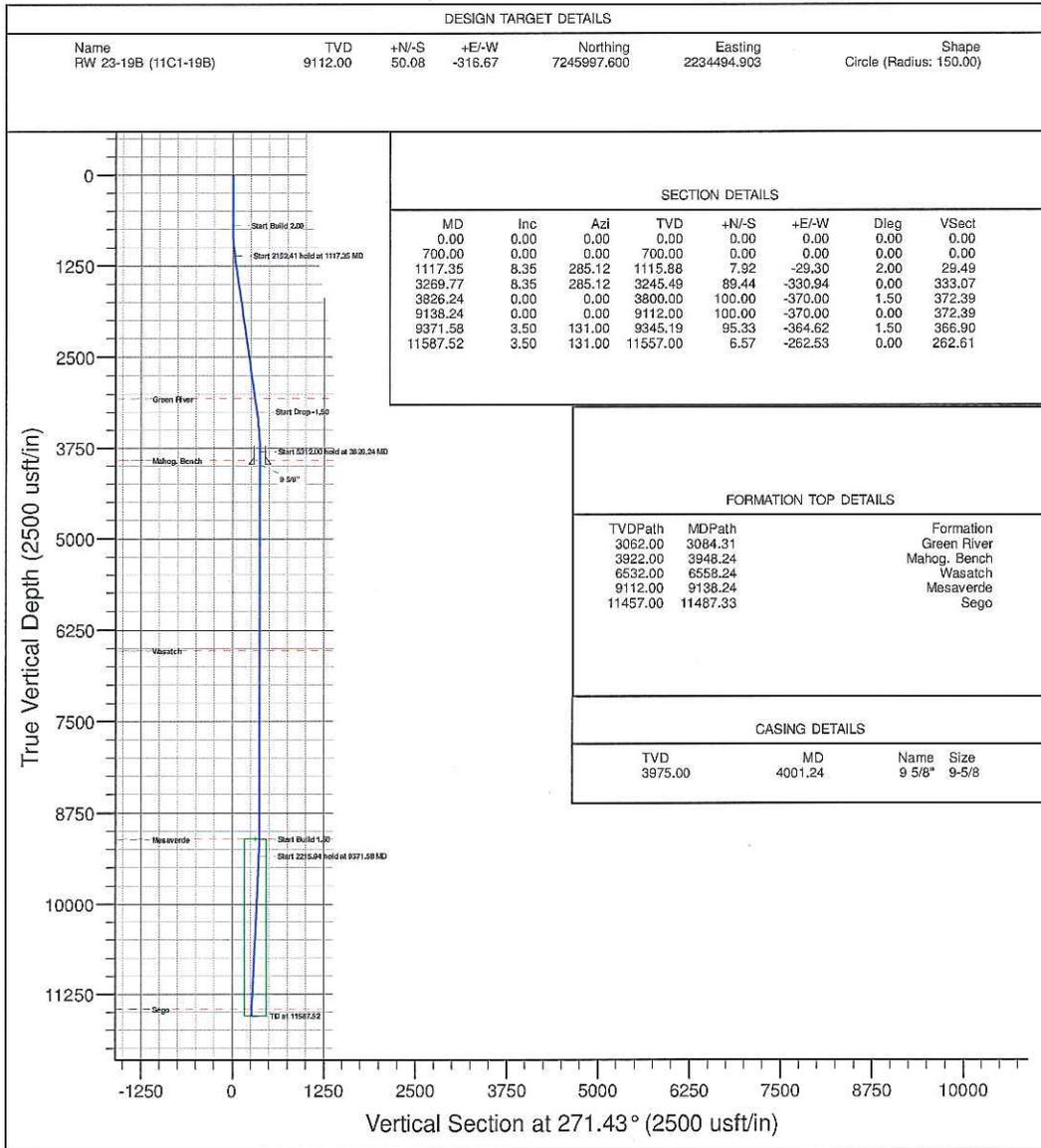
Company Name: QEP ENERGY (UT)



Azimuths to True North
Magnetic North: 10.60°
Magnetic Field
Strength: 52223.6erT
Dip Angle: 65.02°
Date: 8/10/2012
Model: IGRF2010

Project: Red Wash
Site: RW 23-19B
Well: RW 23-19B
Wellbore: Original Hole
Design: Plan ver.0

WELL DETAILS: RW 23-19B							REFERENCE INFORMATION		PROJECT DETAILS: Red Wash	
Ground Level: 5465.80 +N/-S +E/-W Northing Easting Latitude Longitude Slot 0.00 0.00 7245955.066 2234812.644 40.192611 -109.372028							Co-ordinate (N/E) Reference: Well RW 23-19B, True North Vertical (TVD) Reference: RKB @ 5481.80usft (AZTEC 950) Section (VS) Reference: Slot - (0.00N, 0.00E) Measured Depth Reference: RKB @ 5481.80usft (AZTEC 950) Calculation Method: Minimum Curvature		Geodetic System: US State Plane 1983 Datum: North American Datum 1983 Ellipsoid: GRS 1980 Zone: Utah Central Zone System Datum: Mean Sea Level	



Sundry Number : 31856 API Well Number : 43047517250000



QEP Energy Company

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

November 7, 2012

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

RE: Directional Drilling R649-3-11
Red Wash Unit
RW 23-19B
1761' FSL, 1914' FWL, NESW, Section 19, T7S, R23E (Surface)
1768' FSL, 1652' FWL, NESW, Section 19, T7S, R23E (Bottom Hole)
Uintah County, Utah

Dear Ms. Mason:

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

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

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

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

Sincerely,

QEP Energy Company

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

Jan Nelson
Permit Agent

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 Gas Well	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU02030
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: RED WASH
PHONE NUMBER: 303 308-3068 Ext	8. WELL NAME and NUMBER: RW 23-19B
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1761 FSL 1914 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 19 Township: 07.0S Range: 23.0E Meridian: S	9. API NUMBER: 43047517250000
	9. FIELD and POOL or WILDCAT: RED WASH
	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: 7/7/2014	<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 type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" 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 HEREBY REQUESTS A ONE YEAR EXTENSION FOR THE APD ON THE ABOVE CAPTIONED WELL.

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

Date: July 10, 2013

By:

NAME (PLEASE PRINT) Valyn Davis	PHONE NUMBER 435 781-4369	TITLE Regulatory Affairs Analyst
SIGNATURE N/A	DATE 7/3/2013	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047517250000

API: 43047517250000

Well Name: RW 23-19B

Location: 1761 FSL 1914 FWL QTR NESW SEC 19 TWP 070S RNG 230E MER S

Company Permit Issued to: QEP ENERGY COMPANY

Date Original Permit Issued: 7/7/2011

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? Yes No
- Has the approved source of water for drilling changed? Yes No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No
- Is bonding still in place, which covers this proposed well? Yes No

Signature: Valyn Davis

Date: 7/3/2013

Title: Regulatory Affairs Analyst Representing: QEP ENERGY COMPANY

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU02030
SUNDRY NOTICES AND REPORTS ON WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		7. UNIT or CA AGREEMENT NAME: RED WASH
1. TYPE OF WELL Gas Well		8. WELL NAME and NUMBER: RW 23-19B
2. NAME OF OPERATOR: QEP ENERGY COMPANY		9. API NUMBER: 43047517250000
3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078	PHONE NUMBER: 303 308-3068 Ext	9. FIELD and POOL or WILDCAT: RED WASH
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1760 FSL 1899 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 19 Township: 07.0S Range: 23.0E 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 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 checked="" type="checkbox"/> SPUD REPORT Date of Spud: 8/13/2013	<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 type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

ON 8/13/2013-SET 40' OF 16" CONDUCTOR PIPE. CEMENTED WITH
READY MIX.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
August 16, 2013**

NAME (PLEASE PRINT) Jan Nelson	PHONE NUMBER 435 781-4331	TITLE Permit Agent
SIGNATURE N/A	DATE 8/14/2013	

BLM - Vernal Field Office - Notification Form

Operator QEP ENERGY Rig Name/# PRO PETRO #1
Submitted By Dave Reid Phone Number 435-828-0315
Well Name/Number RW23-19B
Qtr/Qtr NESW Section 19 Township 7S Range 23E
Lease Serial Number UTU02030
API Number 43-047-51725-00-x1

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

Date/Time 8/13/2013 08:00 AM PM

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

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

Date/Time 8/15/2013 14:00 HRS AM PM

BOPE

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

RECEIVED

AUG 14 2013

DIV. OF OIL, GAS & MINING

Date/Time _____ AM PM

Remarks We will be drilling 12 1/4" hole to 500' and setting 9 5/8" casing and cement same with pro-petro

BLM - Vernal Field Office - Notification Form

Operator QEP ENERGY Rig Name/# PRO PETRO #1

Submitted By Dave Reid Phone Number 435-828-0315

Well Name/Number rw 23-19b

Qtr/Qtr NESW Section 19 Township 7S Range 23E

Lease Serial Number UTU02030

API Number 43-047-51725-00-x1

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

Date/Time 8/13/2013 08:00 AM PM

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

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

RECEIVED

AUG 14 2013

Date/Time _ _ AM PM

DIV. OF OIL, GAS & MINING

BOPE

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

Date/Time _____ AM PM

Remarks We will be setting 40' of 16" conductore on the RW 23-19b well on Tuesday, 8/13/2013

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU02030
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: RED WASH
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4. LOCATION OF WELL FOOTAGES AT SURFACE: 1760 FSL 1899 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 19 Township: 07.0S Range: 23.0E Meridian: S	9. FIELD and POOL or WILDCAT: RED WASH 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: 7/25/2013 <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 checked="" 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 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.

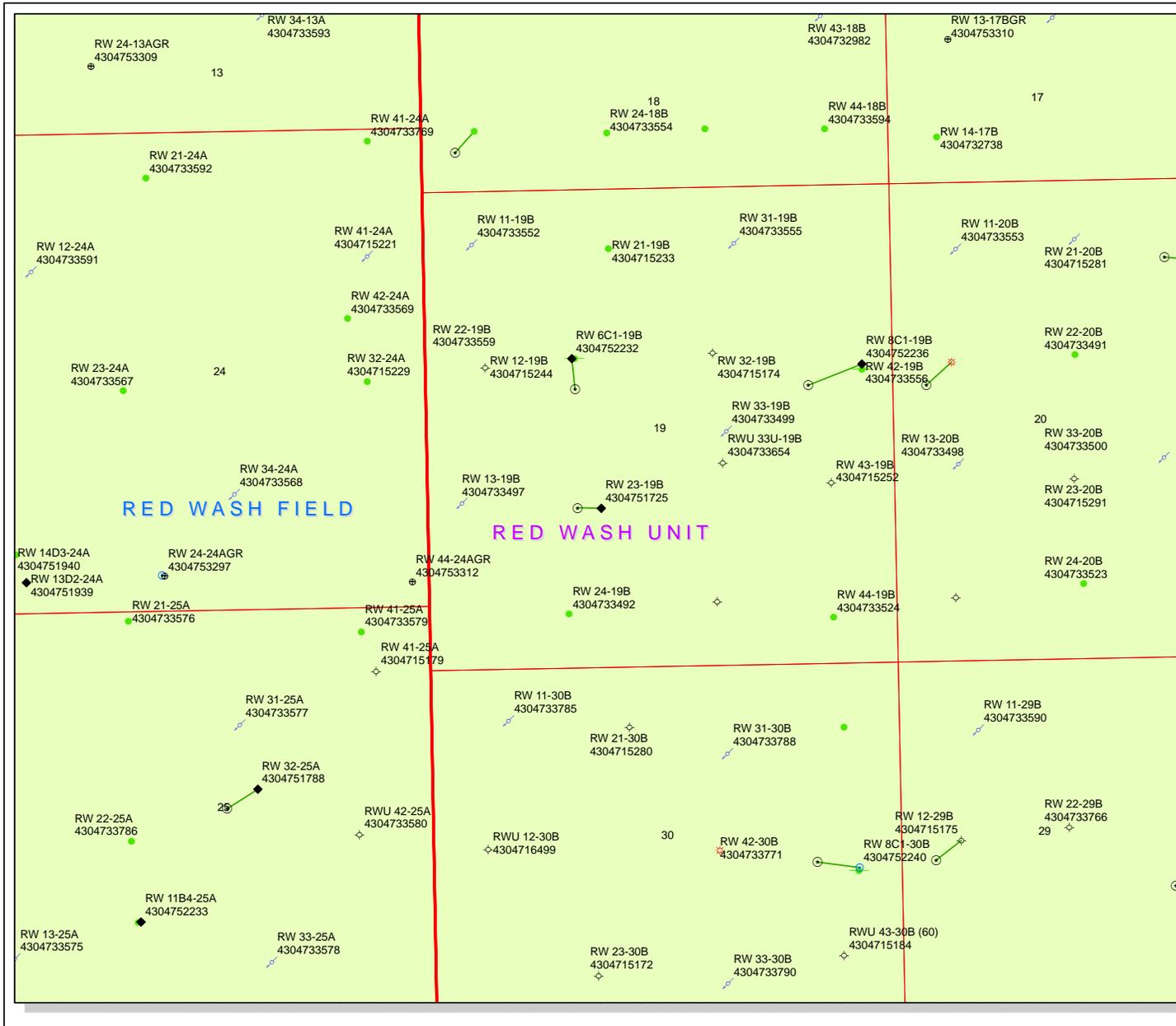
QEP ENERGY COMPANY REQUESTS TO CHANGE THE RW 23-19B FROM A DIRECTIONAL GAS WELL TO A **HORIZONTAL OIL WELL**. NEW BOTTOM HOLE FOOTAGES ARE: 1793' FNL, 387' FEL, SENE, SEC. 30, T7S, R23E, LATITUDE: 40.182864, LONGITUDE: 109.361822. QEP ENERGY COMPANY REQUESTS TO CHANGE THE SURFACE HOLE LOCATION IN ORDER TO ACCOMODATE A CHANGE IN THE DRILLING RIG USED TO DRILL THIS LOCATION: NEW SURFACE HOLE FOOTAGES ARE: 1760' FSL, 1899' FWL, NESW, SEC. 19, T7S, R23E, LATITUDE: 40.192611, LONGITUDE: 109.372081. NO ADDITIONAL SURFACE DISTURBANCE IS REQUIRED FOR THIS ACTION. PLEASE SEE ATTACHED: PLAT PACKAGE, DRILLING PLAN, DIRECTIONAL PLAN.

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

Date: September 12, 2013

By: 

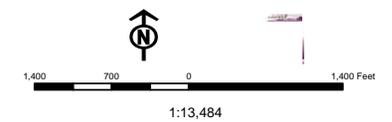
NAME (PLEASE PRINT) Valyn Davis	PHONE NUMBER 435 781-4369	TITLE Regulatory Affairs Analyst
SIGNATURE N/A	DATE 7/25/2013	



API Number: 4304751725
Well Name: RW 23-19B
Township T07.0S Range R23.0E Section 19
Meridian: SLBM
Operator: QEP ENERGY COMPANY

Map Prepared:
 Map Produced by Diana Mason

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



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:

**3160
(UT-922)**

September 4, 2013

Memorandum

To: Assistant Field Office Manager Minerals,
Vernal Field Office

From: Michael Coulthard, Petroleum Engineer

Subject: 2013 Plan of Development Red Wash Unit,
Uintah County, Utah.

Pursuant to email between Diana Mason, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following well will be drilled as a Green River Horizontal completion. The well was previously permitted as a vertical Mesaverde well (see our memo dated July 1, 2011). The well is planned for calendar year 2013 within the Red Wash Unit, Uintah County, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ Green River)		
43-047-51725	RW 23-19B Sec 19	T07S R23E 1760 FSL 1899 FWL
	Lateral 1 Sec 30	T07S R23E 1793 FNL 0387 FEL

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

Michael Coulthard

Digitally signed by Michael Coulthard
DN: cn=Michael Coulthard, o=Bureau of Land
Management, ou=Division of Minerals,
email=mcoultha@blm.gov, c=US
Date: 2013.09.04 08:40:56 -06'00'

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

MCoulthard:mc:9-4-13

RECEIVED: Sep. 05, 2013

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

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

5. Lease Serial No.
UTU02030

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

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

1. Type of Well
 Oil Well Gas Well Other

8. Well Name and No.
RW 23-19B

2. Name of Operator
QEP ENERGY COMPANY

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

9. API Well No.
43-047-51725-00-X1

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

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

10. Field and Pool, or Exploratory
RED WASH

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 19 T7S R23E NESW 1761FSL 1914FWL
40.192611 N Lat, 109.372028 W Lon

11. County or Parish, and State
UINTAH COUNTY, UT

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Change to Original APD
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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

QEP ENERGY COMPANY REQUESTS TO CHANGE THE RW 23-19B FROM A VERTICAL GAS WELL TO A **HORIZONTAL OIL WELL**.

NEW BOTTOM HOLE FOOTAGES ARE:
1793' FNL, 387' FEL
SENE, SEC. 30, T7S, R23E
LATITUDE: 40.182864, LONGITUDE: 109.361822

QEP ENERGY COMPANY REQUESTS TO CHANGE THE SURFACE HOLE LOCATION IN ORDER TO ACCOMODATE A CHANGE IN THE DRILLING RIG USED TO DRILL THIS LOCATION:

NEW SURFACE HOLE FOOTAGES ARE:

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

**Electronic Submission #214812 verified by the BLM Well Information System
For QEP ENERGY COMPANY, sent to the Vernal
Committed to AFMSS for processing by BOBBI SCHROEDER on 07/26/2013 (13BJS1991SE)**

Name (Printed/Typed) VALYN DAVIS	Title REGULATORY AFFAIRS ANALYST
Signature (Electronic Submission)	Date 07/24/2013

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>JERRY KENCZKA</u>	Title <u>AFM FOR MINERAL RESOURCES</u>	Date <u>07/31/2013</u>
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office <u>Vernal</u>

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.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

QEP Energy Company

RW 23-19B

Summarized New Drill A-Sand Horizontal Procedure

1. MIRU drilling rig.
2. Drill 12-3/4" hole to 500'.
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 a KOP of 4,720'.
7. Build to 12° inclination at 4,720'.
8. TOOH.
9. RIH with 7" 26# N-80.
10. Cement casing.
11. Drill out cement. Perform FIT.
12. Build curve per directional plan to land in the Ex3.
13. Drill ~4,046' of lateral at ~141.08° azimuth, following formation dip.
 - a. Mud system to be water based. Weights are expected to be in the 8.8 – 9.8 ppg range.
14. PU 4 1/2" sleeves, packers and liner pipe and run to TD.
 - a. Land liner top at 4,660', 60' above the window.
 - b. Bottom of liner will be 30' of bottom.
15. Set RBP at 4,400'.
16. ND BOP's.
17. RDMOL.



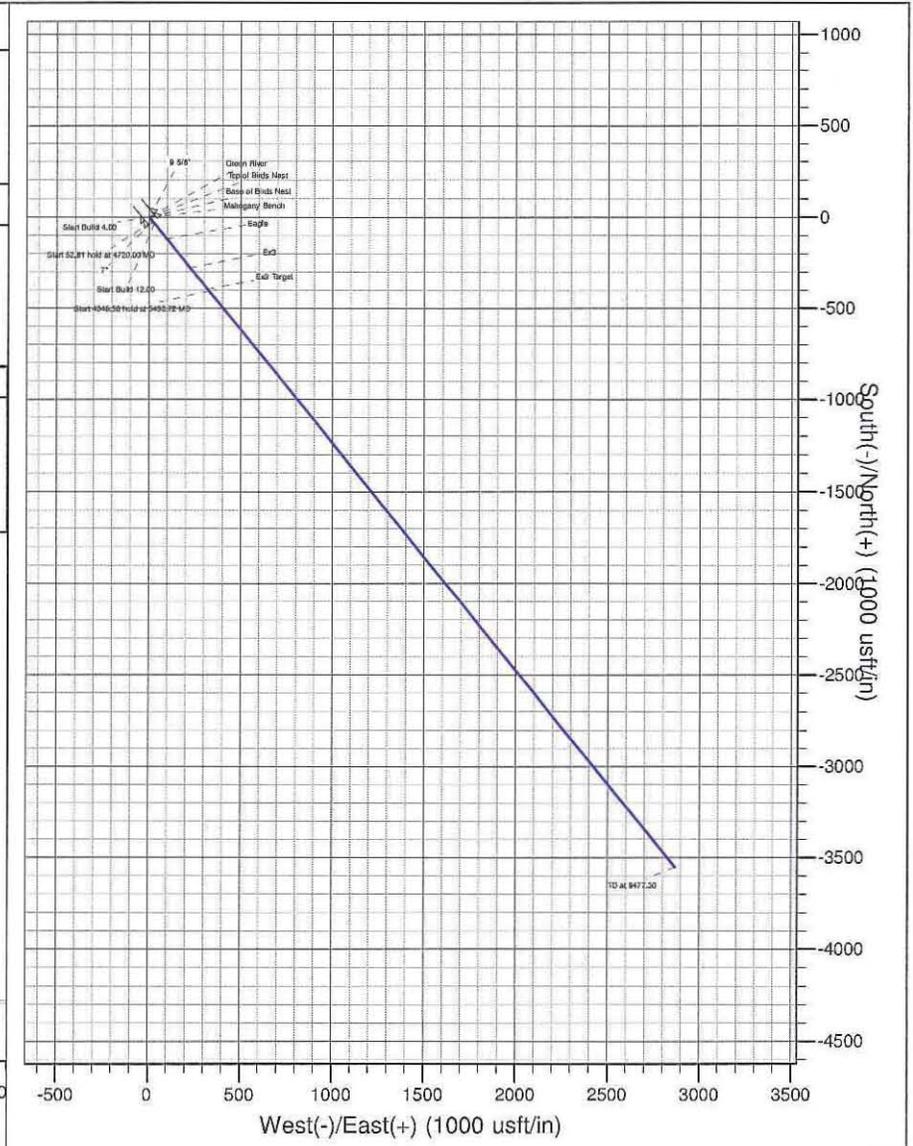
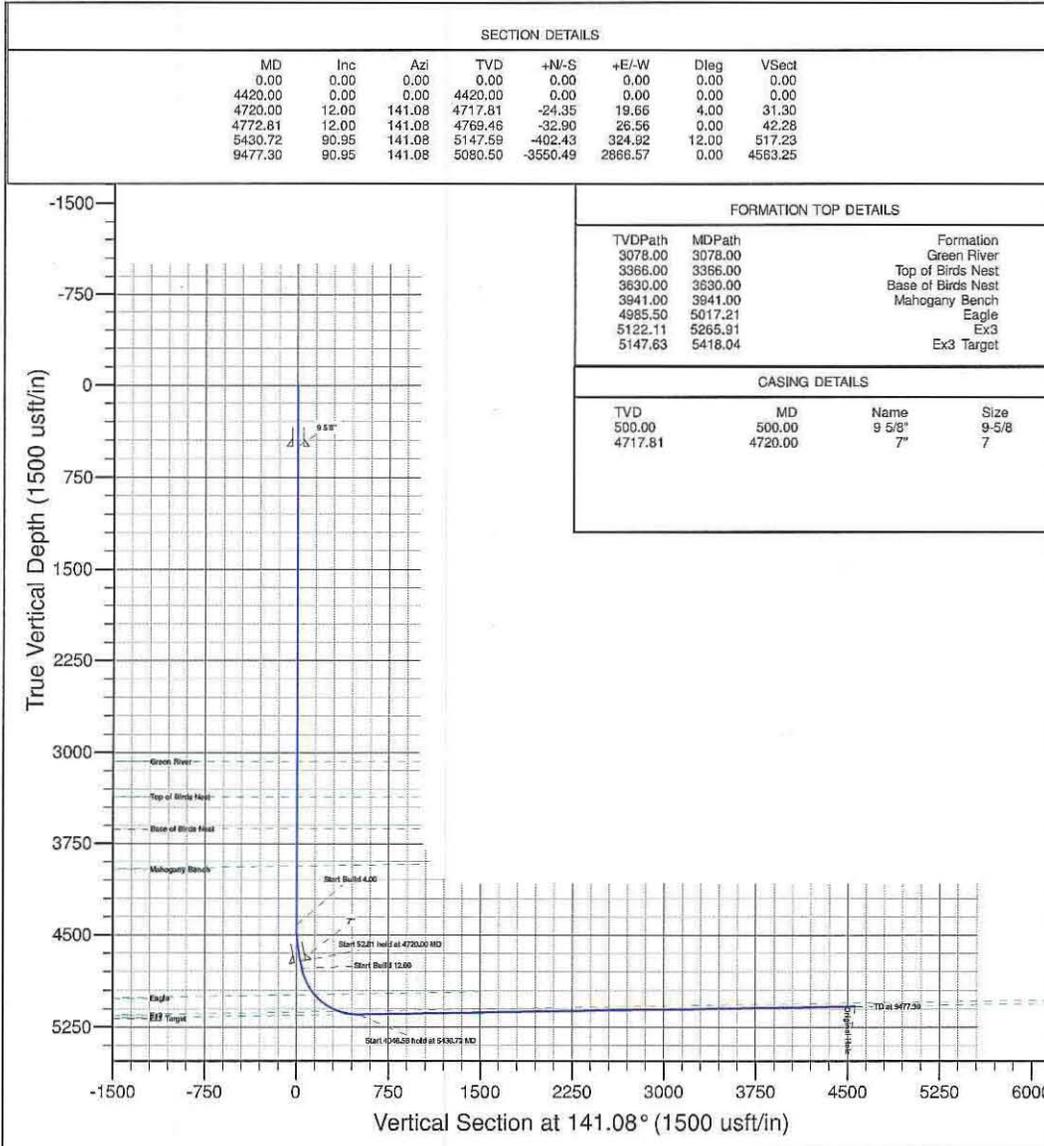
Company Name: QEP ENERGY (UT)



Azimuths to True North
Magnetic North: 10.89°
Magnetic Field
Strength: 52323.56nT
Dip Angle: 65.02°
Date: 9/10/2012
Model: IGRF2010

Project: Red Wash
Site: RW 23-19B
Well: RW 23-19B
Wellbore: Original Hole
Design: Plan ver:2

WELL DETAILS: RW 23-19B Original Hole						REFERENCE INFORMATION		PROJECT DETAILS: Red Wash	
Ground Level: 5465.80						Co-ordinate (NE) Reference: Well RW 23-19B, True North Vertical (TVD) Reference: RKB @ 5495.80usft (SST 88) Section (VS) Reference: Slot - (0.00N, 0.00E) Measured Depth Reference: RKB @ 5495.80usft (SST 88) Calculation Method: Minimum Curvature		Geodetic System: US State Plane 1983 Datum: North American Datum 1983 Ellipsoid: GRS 1980 Zone: Utah Central Zone System Datum: Mean Sea Level	
+N-S 0.00	+E-W 0.00	Northing 7245954.340	Easting 2234797.630	Latitude 40.192610	Longitude -109.372082	Slot			



Sundry Number : 40445 API Well Number : 43047517250000

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

QEP ENERGY COMPANY

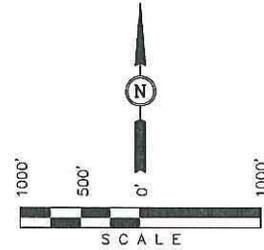
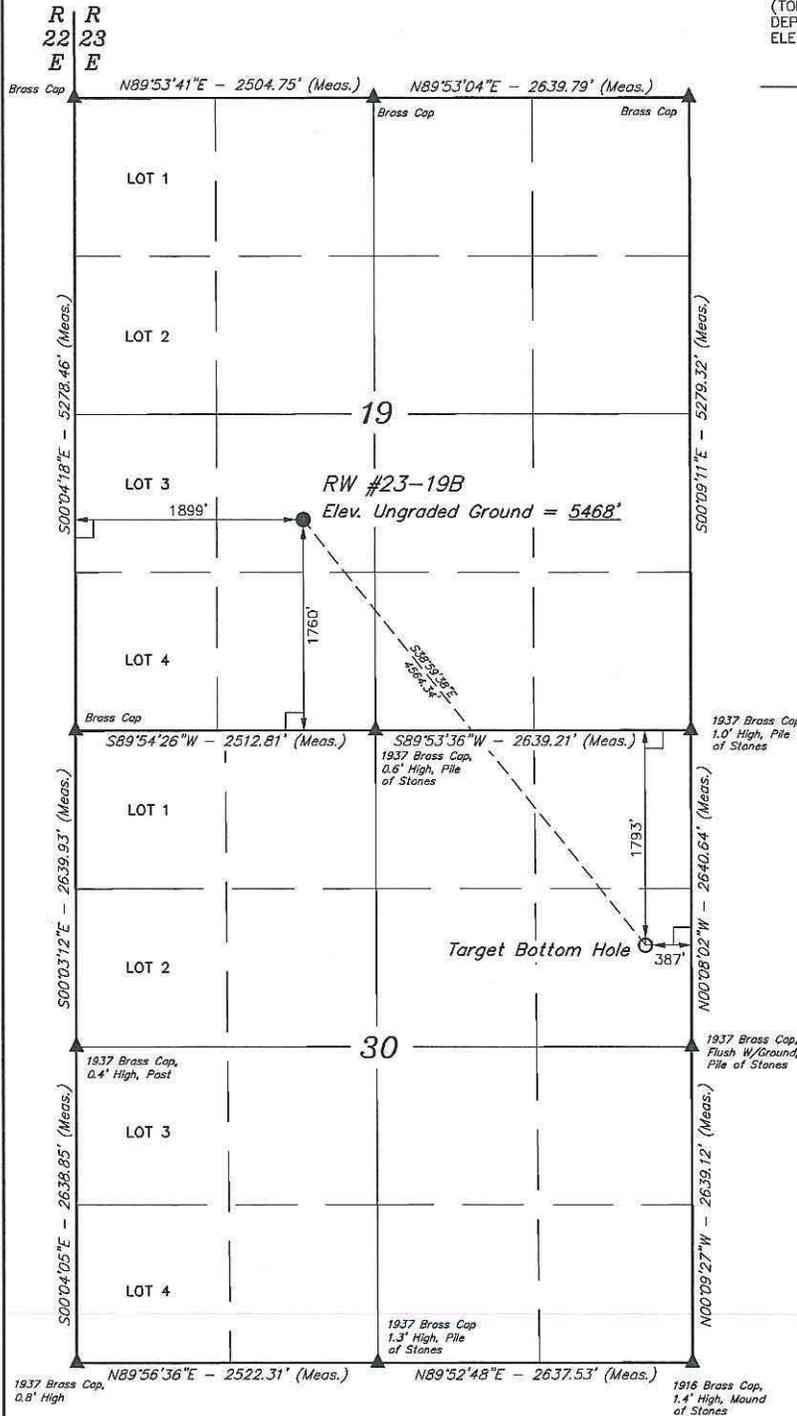
Well location, RW #23-19B, located as shown in the NE 1/4 SW 1/4 of Section 19, T7S, R23E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

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

BASIS OF BEARINGS

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



LEGEND:

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

NAD 83 (TARGET BOTTOM HOLE) LATITUDE = 40°10'58.31" (40.182864) LONGITUDE = 109°21'42.56" (109.361822)	NAD 83 (SURFACE LOCATION) LATITUDE = 40°11'33.40" (40.192811) LONGITUDE = 109°22'19.49" (109.372081)
NAD 27 (TARGET BOTTOM HOLE) LATITUDE = 40°10'58.44" (40.182900) LONGITUDE = 109°21'40.10" (109.361139)	NAD 27 (SURFACE LOCATION) LATITUDE = 40°11'33.53" (40.192643) LONGITUDE = 109°22'17.03" (109.371397)
STATE PLANE NAD 83 N: 7242473.33 E: 2237747.61	STATE PLANE NAD 83 N: 7245954.34 E: 2234797.63

CERTIFICATE

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

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161318
STATE OF UTAH

REV: 07-18-13 H.K.W.
REV: 07-10-13 K.O.
REV: 10-09-12 K.O.

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

SCALE 1" = 1000'	DATE SURVEYED: 01-13-11	DATE DRAWN: 02-07-11
PARTY A.F. J.C. J.I.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE QEP ENERGY COMPANY	

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)

January 2, 2013

Memorandum

To: Assistant Field Office Manager Minerals,
Vernal Field Office

From: Michael Coulthard, Petroleum Engineer

Subject: 2012 Plan of Development Red Wash Unit,
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2012 within the Red Wash Unit, Uintah County, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ Green River)		
43-047-53438	RW 42-13AGR Sec 13	T07S R22E 1511 FNL 0453 FEL
43-047-53439	RW 34-14AGR Sec 14	T07S R22E 0420 FSL 2050 FEL
43-047-53440	RW 23-19BGR Sec 19	T07S R23E 1790 FSL 1913 FWL
43-047-53441	RW 24-25AGR Sec 25	T07S R22E 0752 FSL 1976 FWL
43-047-53442	RW 31-24AGR Sec 24	T07S R22E 0822 FNL 2237 FEL
43-047-53445	RW 22-18BGR Sec 18	T07S R23E 1789 FNL 1886 FWL
43-047-53454	RW 43-20BGR Sec 20	T07S R23E 1655 FSL 0538 FEL

The following well has been modified to be drilled directionally (please see our memo dated June 29, 2011).

API#	WELL NAME	LOCATION
(Proposed PZ Mesaverde)		
43-047-51721	RW 43-20B Sec 20	T07S R23E 1637 FSL 0562 FEL
	BHL Sec 20	T07S R23E 1462 FSL 0952 FEL

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

Michael L. Coulthard

Digitally signed by Michael L. Coulthard
DN: cn=Michael L. Coulthard, o=Bureau of Land Management,
ou=Branch of Minerals, email=Michael_Coulthard@blm.gov, c=US
Date: 2013.01.02 11:05:29 -0700

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

MCoulthard:mc:1-2-13

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)

July 1, 2011

Memorandum

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

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2011 within the Red Wash Unit, Uintah County, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ MESA VERDE)		
43-047-51723	RW 32-29B Sec 29	T07S R23E 2221 FNL 1976 FEL
43-047-51724	RW 31-20B Sec 20	T07S R23E 0896 FNL 1981 FEL
43-047-51725	RW 23-19B Sec 19	T07S R23E 1761 FSL 1914 FWL

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

Michael L. Coulthard

Digitally signed by Michael L. Coulthard
DN: cn=Michael L. Coulthard, o=Bureau of Land Management,
ou=Branch of Minerals, email=Michael_Coulthard@blm.gov, c=US
Date: 2011.07.01 09:39:44 -0600

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

MCoulthard:mc:7-1-11

QEP ENERGY COMPANY
RW #23-19B & #23-19BGR
LOCATED IN UINTAH COUNTY, UTAH
SECTION 19, T7S, R23E, S.L.B.&M.

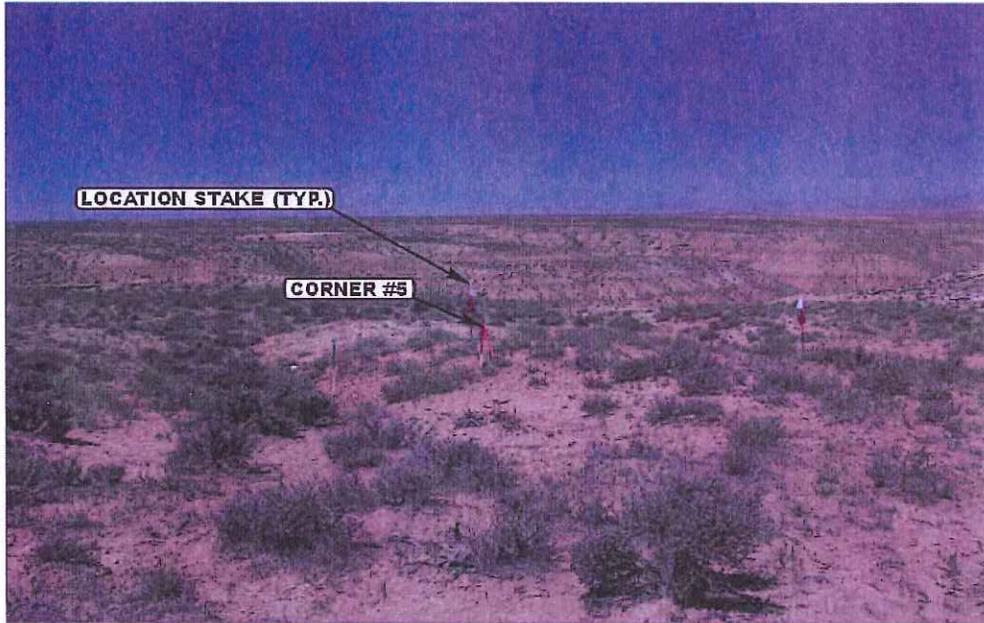


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: WESTERLY

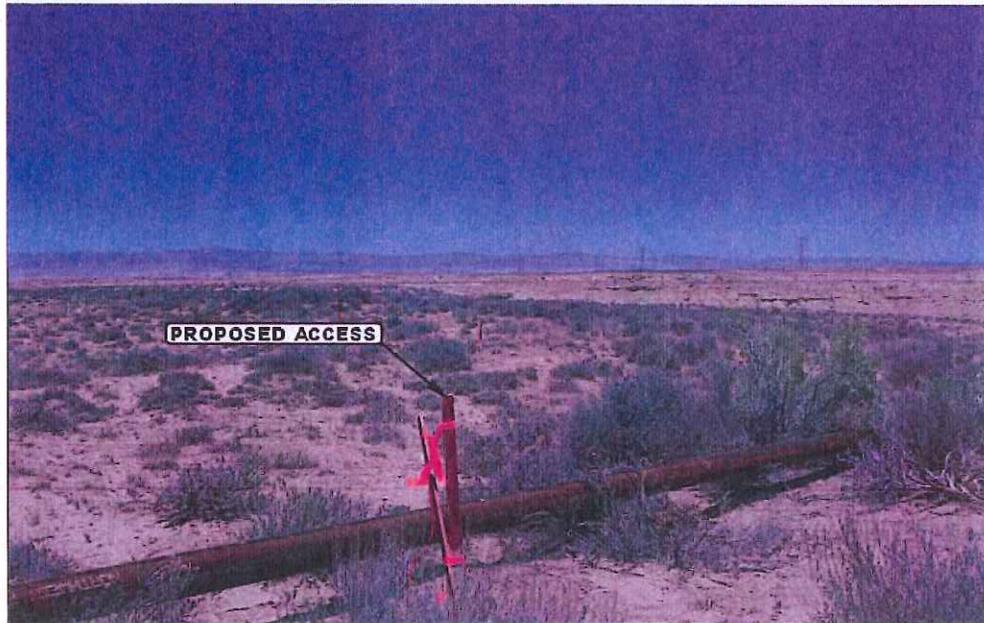


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHWESTERLY



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

LOCATION PHOTOS

01 | 14 | 11
MONTH | DAY | YEAR

PHOTO

TAKEN BY: A.E.

DRAWN BY: Z.L.

REV: 06-25-12 C.I.

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

QEP ENERGY COMPANY

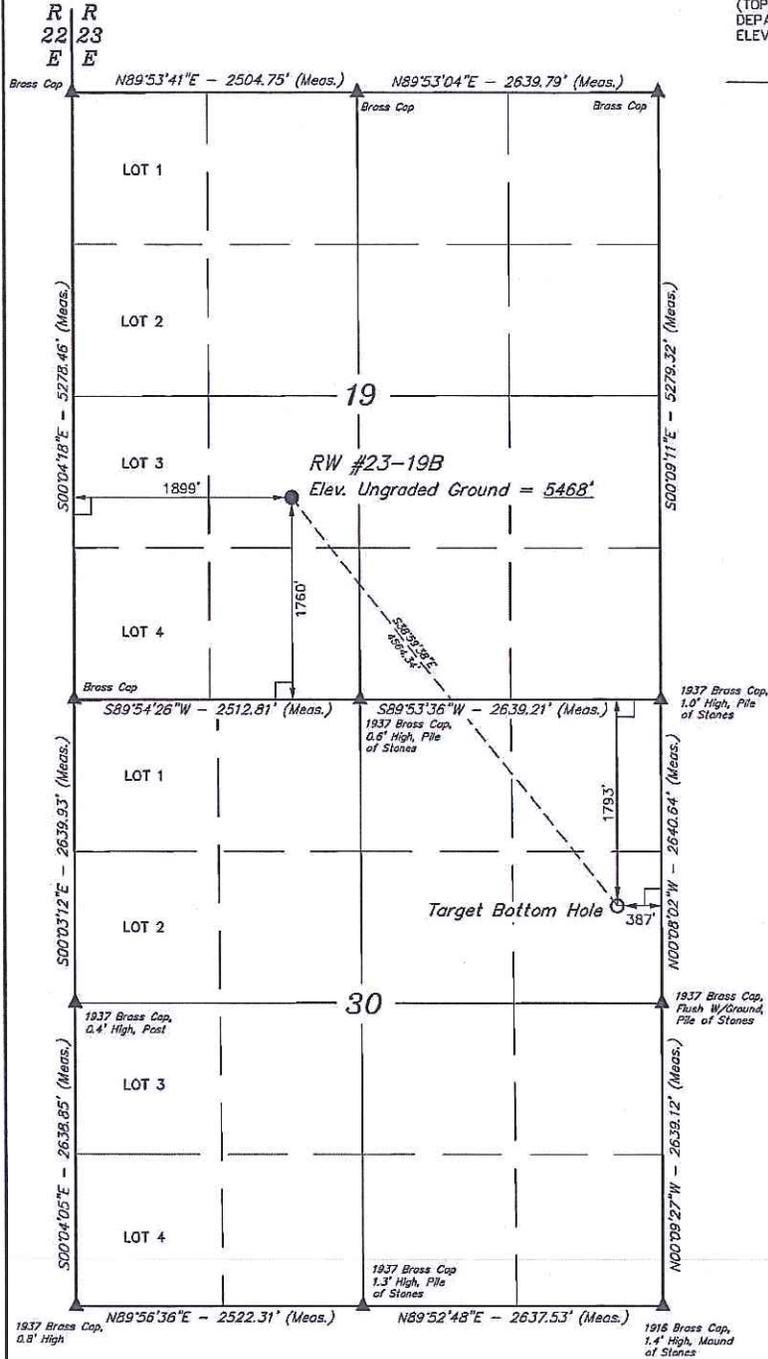
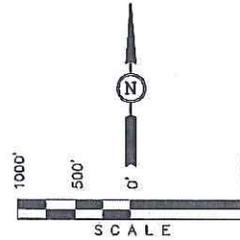
Well location, RW #23-19B, located as shown in the NE 1/4 SW 1/4 of Section 19, T7S, R23E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

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

BASIS OF BEARINGS

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



CERTIFICATE

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

ROBERT J. JONES
REGISTERED LAND SURVEYOR
REGISTRATION NO. 161318
STATE OF UTAH
6721843

REV: 07-18-13 H.K.W.
REV: 07-10-13 K.O.
REV: 10-09-12 K.O.

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)	NAD 83 (SURFACE LOCATION)
LATITUDE = 40°10'58.31" (40.182864)	LATITUDE = 40°11'33.40" (40.192611)
LONGITUDE = 109°21'42.56" (109.361822)	LONGITUDE = 109°22'18.49" (109.372081)
NAD 22 (TARGET BOTTOM HOLE)	NAD 22 (SURFACE LOCATION)
LATITUDE = 40°10'58.44" (40.182900)	LATITUDE = 40°11'33.53" (40.192647)
LONGITUDE = 109°21'40.10" (109.361139)	LONGITUDE = 109°22'17.03" (109.371387)
STATE PLANE NAD 83 N: 7242473.33 E: 2237747.61	STATE PLANE NAD 83 N: 7245954.34 E: 2234767.63

SCALE 1" = 1000'	DATE SURVEYED: 01-13-11	DATE DRAWN: 02-07-11
PARTY A.F. J.C. J.I.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE QEP ENERGY COMPANY	

QEP ENERGY COMPANY

LOCATION LAYOUT FOR

RW #23-19B & RW #23-19BGR
SECTION 19, T7S, R23E, S.L.B.&M.
NE 1/4 SW 1/4

FIGURE #1

SCALE: 1" = 60'

DATE: 02-07-11

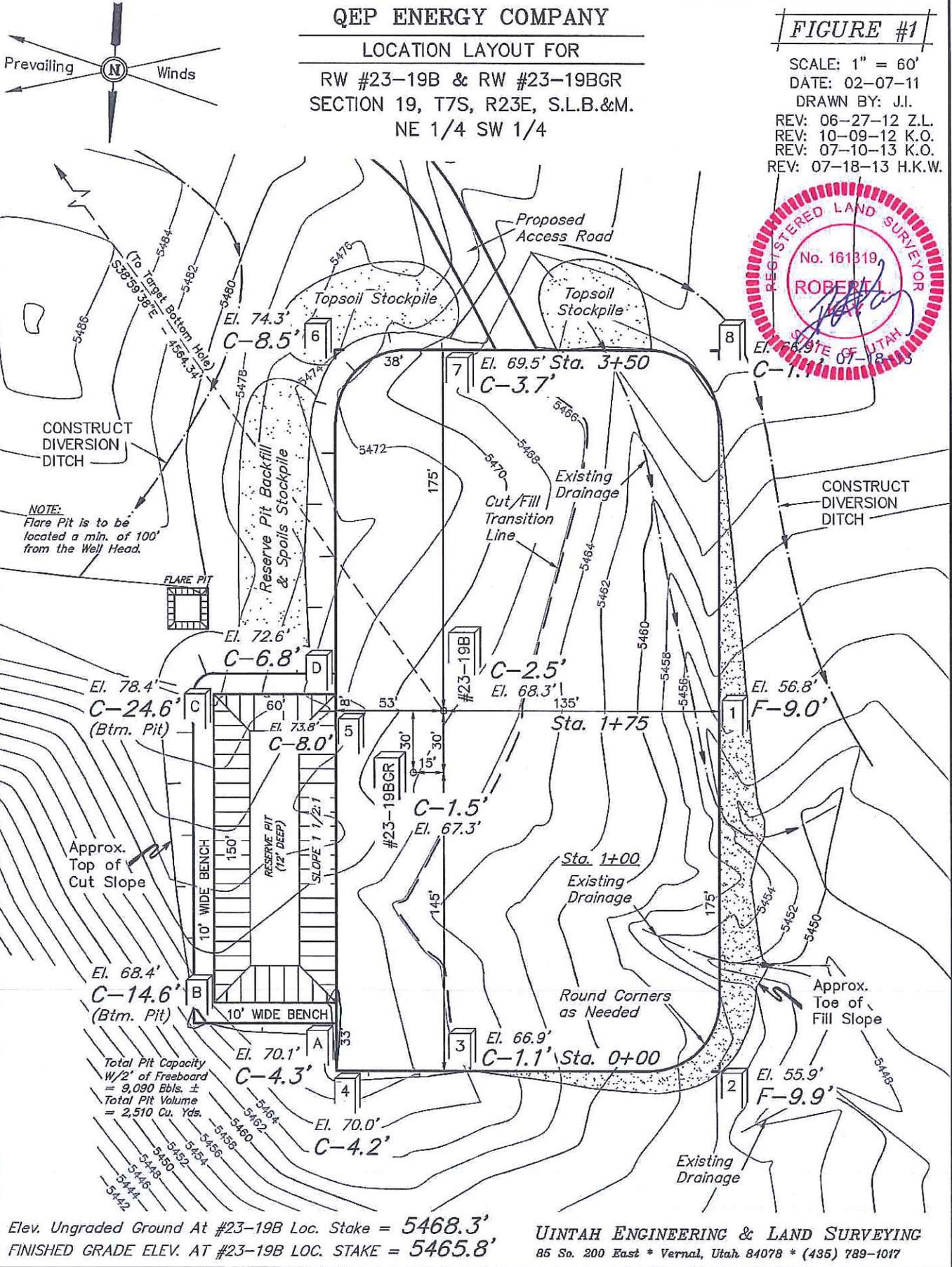
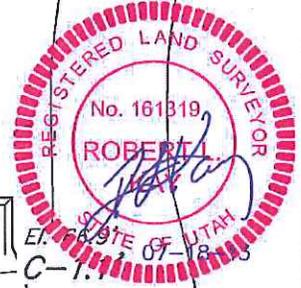
DRAWN BY: J.I.

REV: 06-27-12 Z.L.

REV: 10-09-12 K.O.

REV: 07-10-13 K.O.

REV: 07-18-13 H.K.W.



Elev. Ungraded Ground At #23-19B Loc. Stake = 5468.3'
 FINISHED GRADE ELEV. AT #23-19B LOC. STAKE = 5465.8'

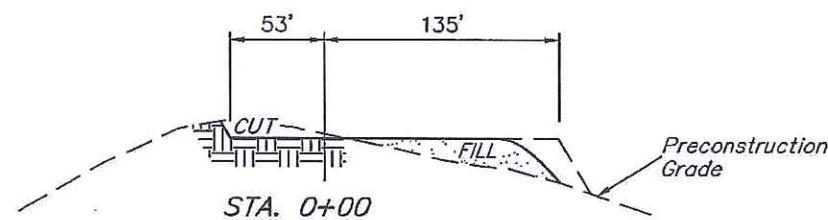
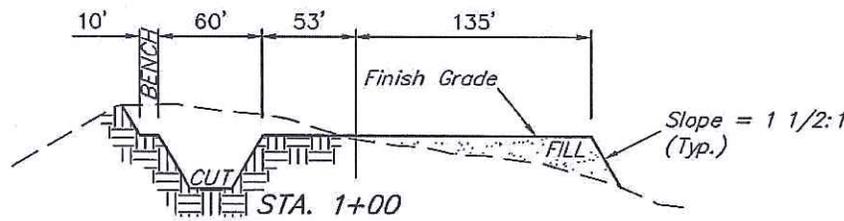
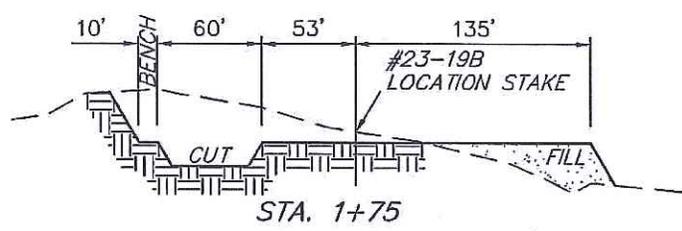
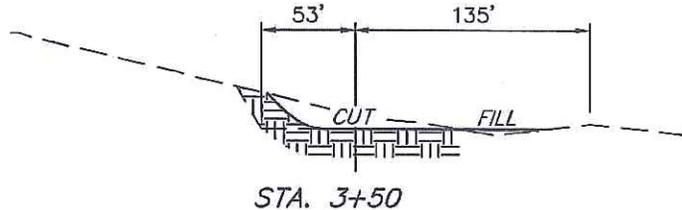
UINTAH ENGINEERING & LAND SURVEYING
 85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

QEP ENERGY COMPANY
TYPICAL CROSS SECTIONS FOR
RW #23-19B & RW #23-19BGR
SECTION 19, T7S, R23E, S.L.B.&M.
NE 1/4 SW 1/4

FIGURE #2



X-Section Scale
 1" = 100'
 DATE: 02-07-11
 DRAWN BY: J.I.
 REV: 06-27-12 Z.L.
 REV: 11-19-12 K.O.
 REV: 07-18-13 H.K.W.



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

APPROXIMATE ACREAGES
 WELL SITE DISTURBANCE = ± 2.236 ACRES
 ACCESS ROAD DISTURBANCE = ± 1.104 ACRES
 PIPELINE DISTURBANCE = ± 2.409 ACRES
TOTAL = ± 5.749 ACRES

*** NOTE:**
 FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping	=	1,700 Cu. Yds.
Remaining Location	=	9,250 Cu. Yds.
TOTAL CUT	=	10,950 CU.YDS.
FILL	=	7,990 CU.YDS.

EXCESS MATERIAL	=	2,960 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	2,960 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	=	0 Cu. Yds.

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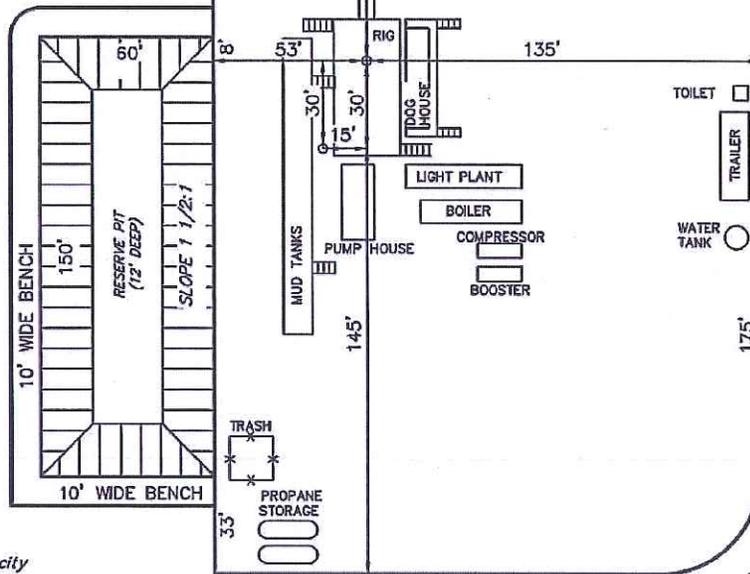
TYPICAL RIG LAYOUT FOR
 RW #23-19B & RW #23-19BGR
 SECTION 19, T7S, R23E, S.L.B.&M.
 NE 1/4 SW 1/4

FIGURE #3

SCALE: 1" = 60'
 DATE: 02-07-11
 DRAWN BY: J.I.
 REV: 06-27-12 Z.L.
 REV: 07-18-13 H.K.W.



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



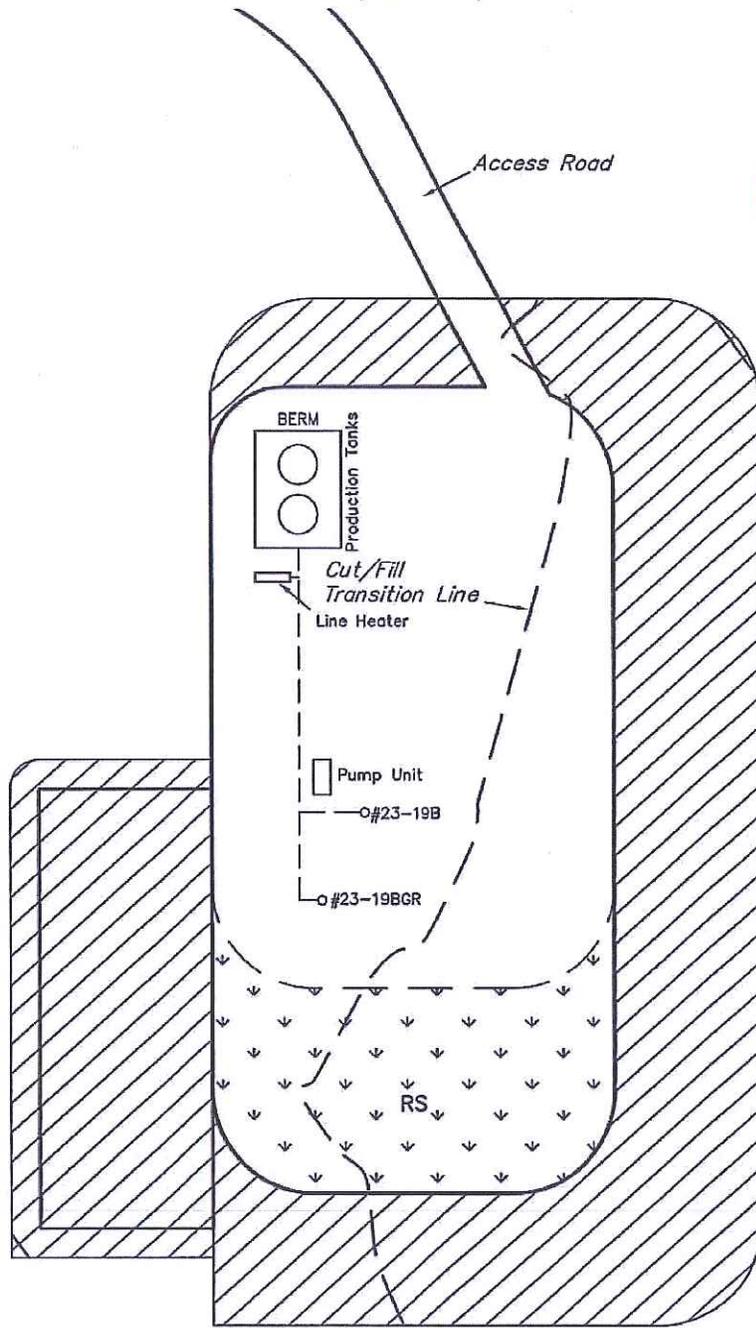
Total Pit Capacity
 W/2' of Freeboard
 = 9,090 Bbls. ±
 Total Pit Volume
 = 2,510 Cu. Yds.



QEP ENERGY COMPANY
INTERIM RECLAMATION LAYOUT FOR
RW #23-19B & RW #23-19BGR
SECTION 19, T7S, R23E, S.L.B.&M.
NE 1/4 SW 1/4

FIGURE #4

SCALE: 1" = 60'
DATE: 02-07-11
DRAWN BY: J.I.
REV: 06-27-11 J.I.
REV: 06-27-12 Z.L.
REV: 07-18-13 H.K.W.



 INTERIM RECLAMATION

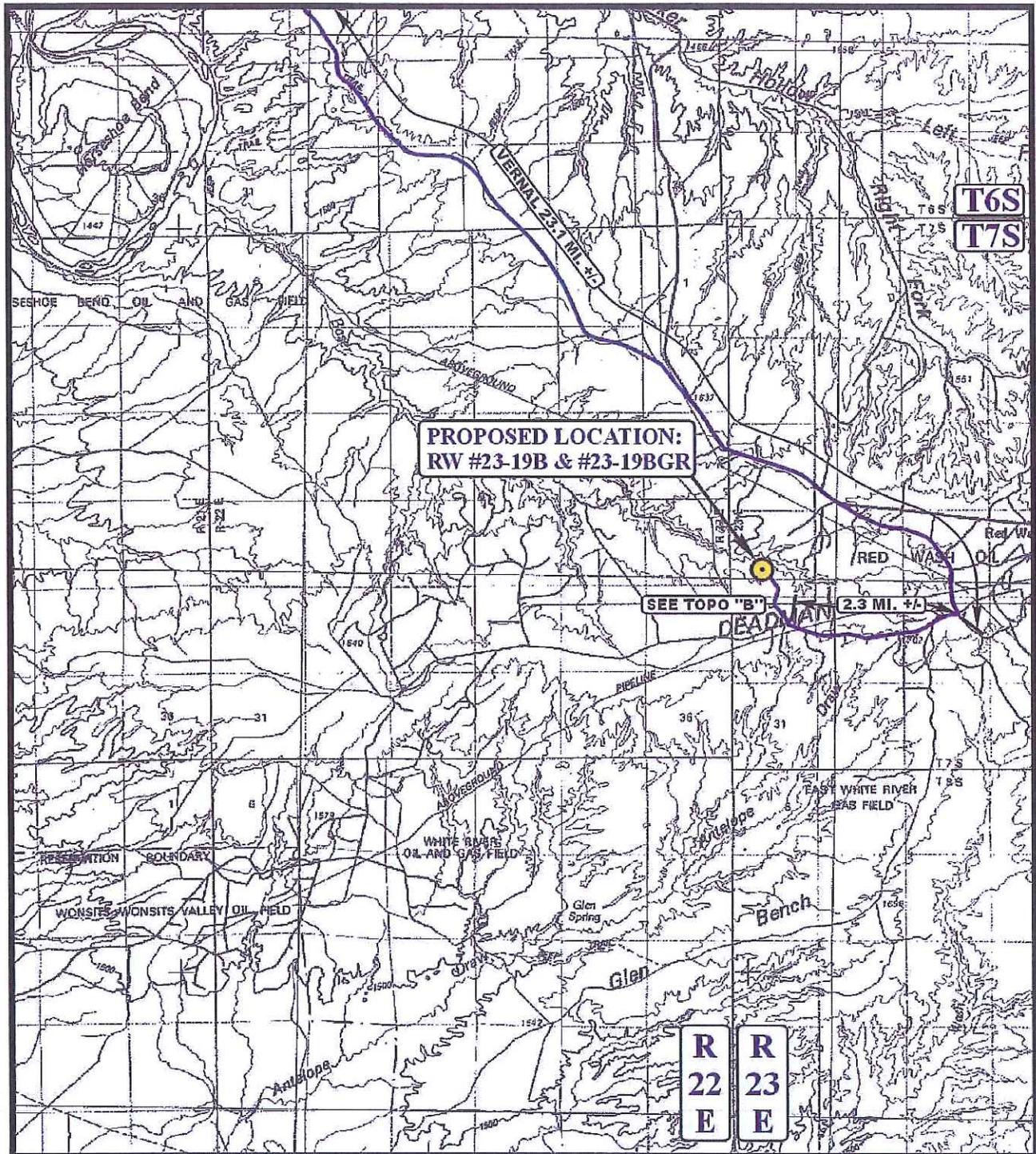
APPROXIMATE ACREAGES
UN-RECLAIMED = ± 0.864 ACRES

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QEP ENERGY COMPANY
RW #23-19B & #23-19BGR
SECTION 19, T7S, R23E, S.L.B.&M.

PROCEED IN AN EASTERLY, THEN SOUTHERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 3.9 MILES TO THE JUNCTION OF STATE HIGHWAY 45; EXIT RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 19.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN RIGHT AND PROCEED IN A WESTERLY DIRECTION APPROXIMATELY 2.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN RIGHT AND PROCEED IN A NORTHWESTERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTHWEST; FOLLOW ROAD FLAGS IN A NORTHWESTERLY DIRECTION APPROXIMATELY 1603' TO THE PROPOSED LOCATION.

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



LEGEND:

 PROPOSED LOCATION

QEP ENERGY COMPANY

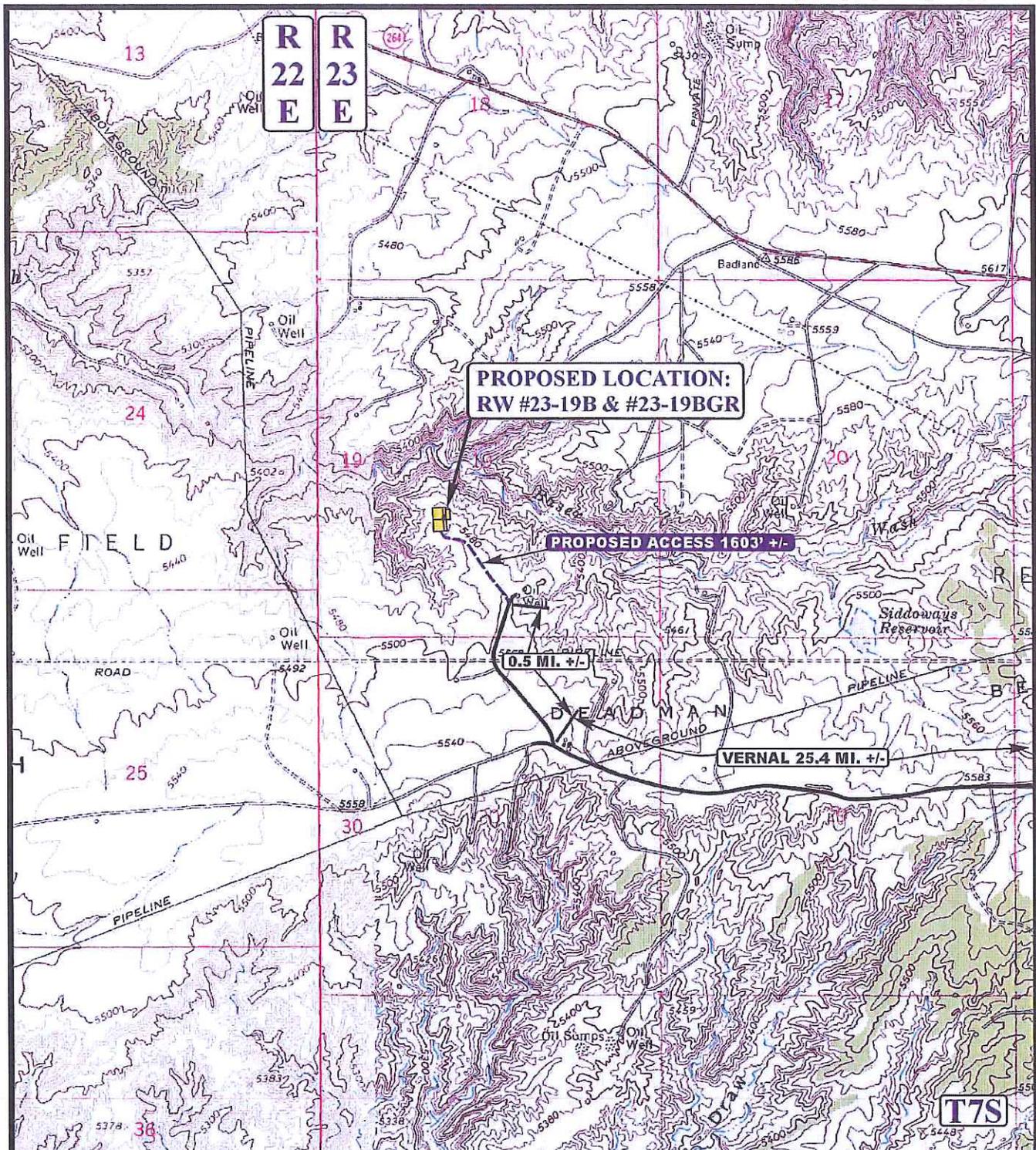
RW #23-19B & #23-19BGR
SECTION 19, T7S, R23E, S.L.B.&M.
NE 1/4 SW 1/4

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



TOPOGRAPHIC 01 14 11
MAP MONTH DAY YEAR
 SCALE: 1:100,000 DRAWN BY: Z.L. REV: 06-25-12 C.I.





LEGEND:

- EXISTING ROAD
- PROPOSED ACCESS ROAD



QEP ENERGY COMPANY

RW #23-19B & #23-19BGR
SECTION 19, T7S, R23E, S.L.B.&M.
NE 1/4 SW 1/4

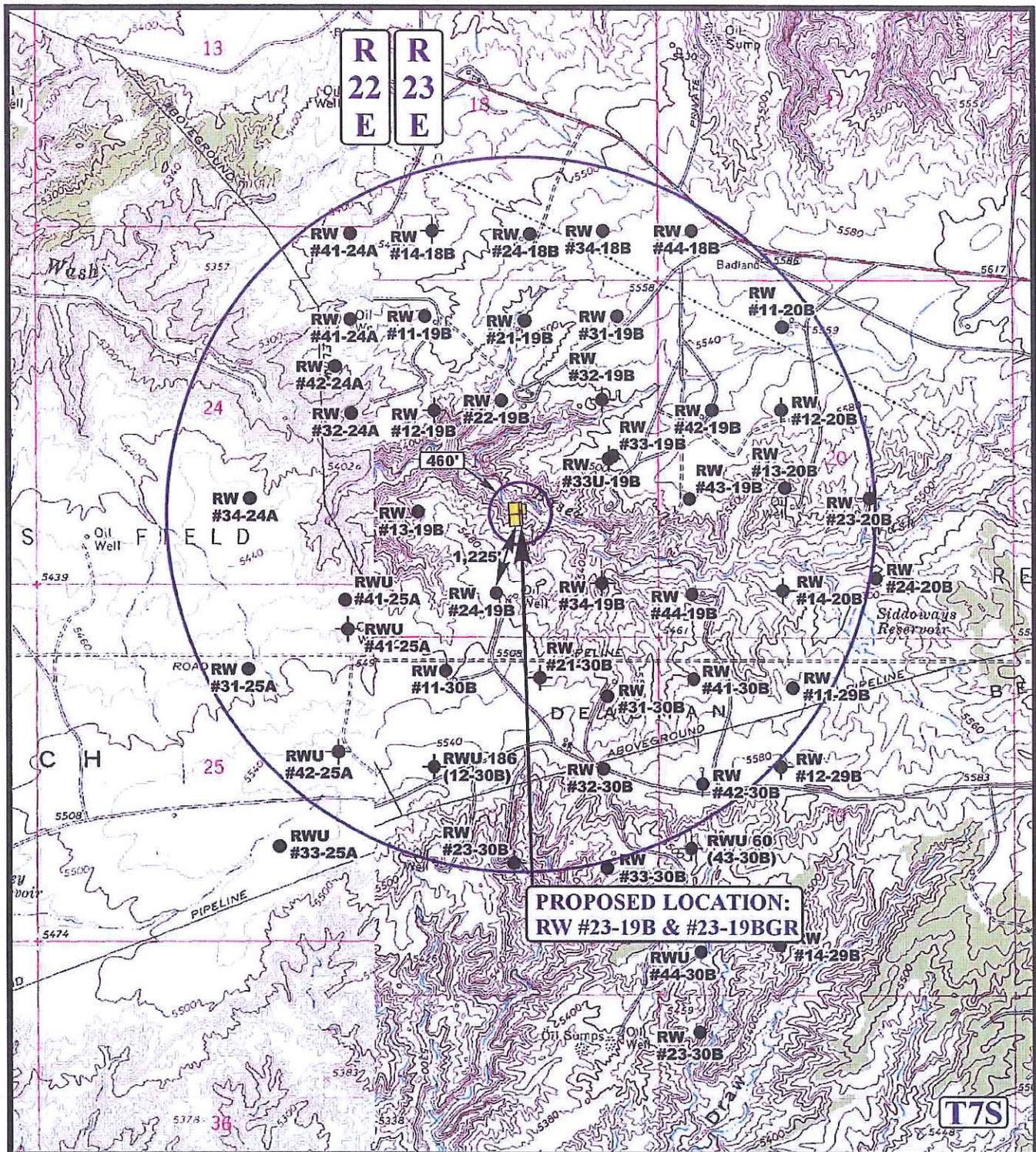


Uintah Engineering & Land Surveying
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 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC 01 14 11
MAP MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: Z.L. REV: 07-18-13 S.O.

B
TOPO



LEGEND:

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

QEP ENERGY COMPANY

RW #23-19B & #23-19BGR
 SECTION 19, T7S, R23E, S.L.B.&M.
 NE 1/4 SW 1/4



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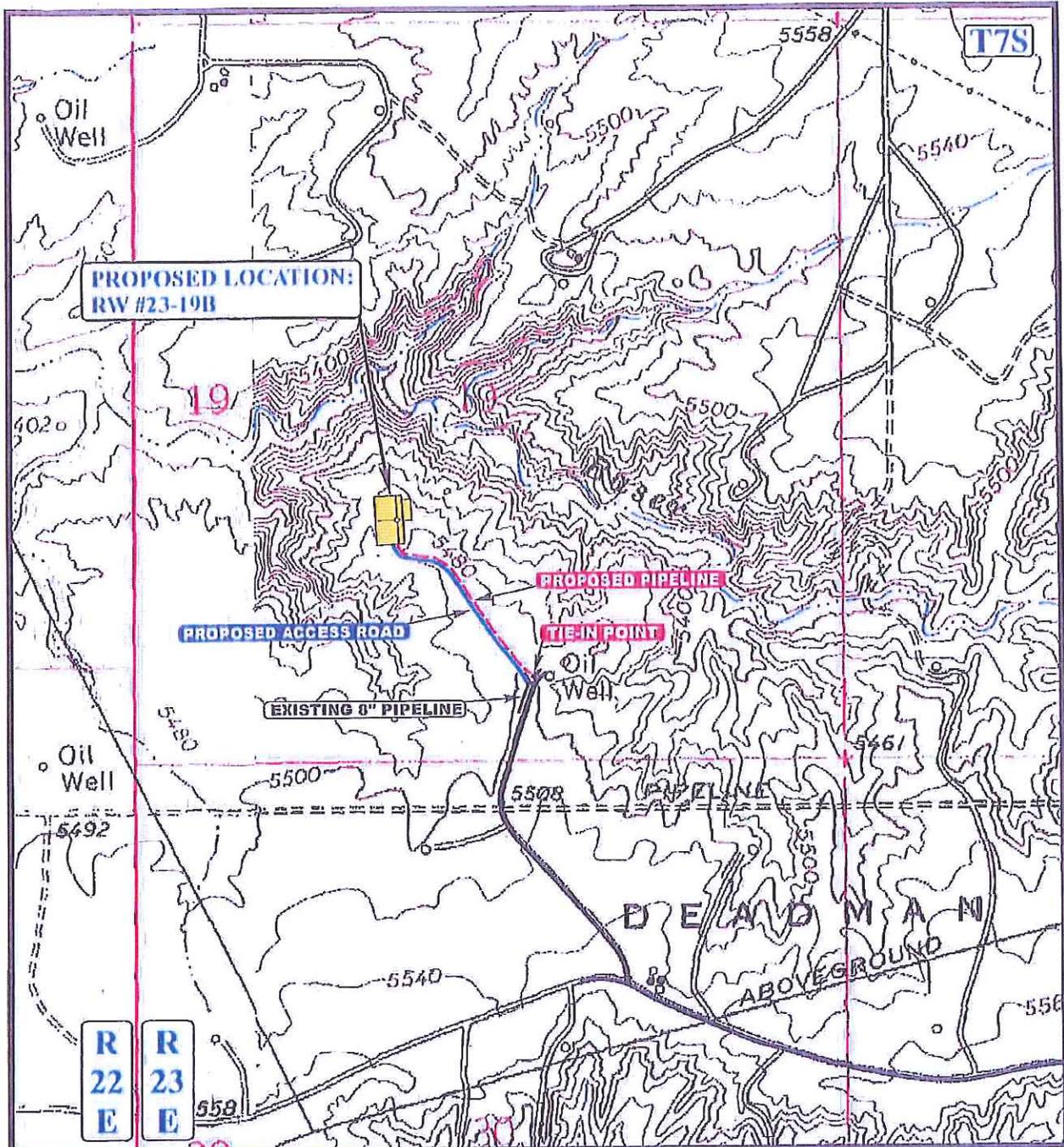


**TOPOGRAPHIC
 MAP**

01 14 11
 MONTH DAY YEAR



SCALE: 1" = 2000' DRAWN BY: Z.L. REV: 07-18-13 S.O.



APPROXIMATE TOTAL PIPELINE DISTANCE = 1,507' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- - - - - PROPOSED PIPELINE



QEP ENERGY COMPANY

RW #23-19B
SECTION 19, T7S, R23E, S.L.B.&M.
1761' FSL 1914' FWL



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

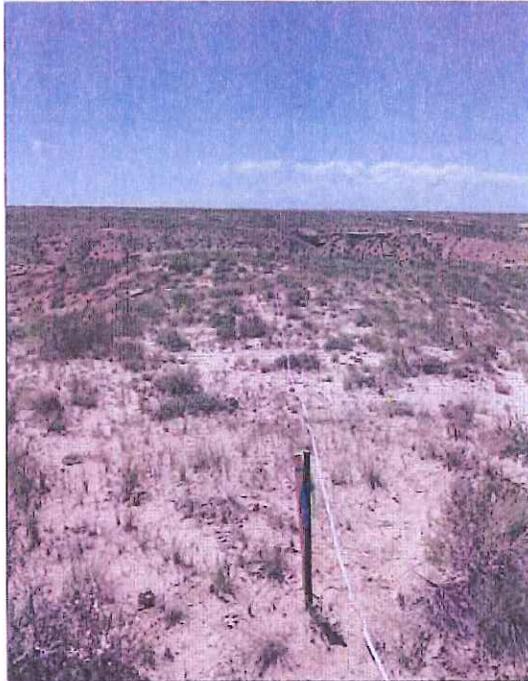
TOPOGRAPHIC
MAP

01	14	11
MONTH	DAY	YEAR

SCALE: 1" = 1000' DRAWN BY: Z.L. REVISED: 00-00-00

D
TOPO

QEP ENERGY COMPANY
REFERENCE MAP: AREA OF VEGETATION
RW #23-19B & #23-19BGR
LOCATED IN UINTAH COUNTY, UTAH
SECTION 19, T7S, R23E, S.L.B.&M.

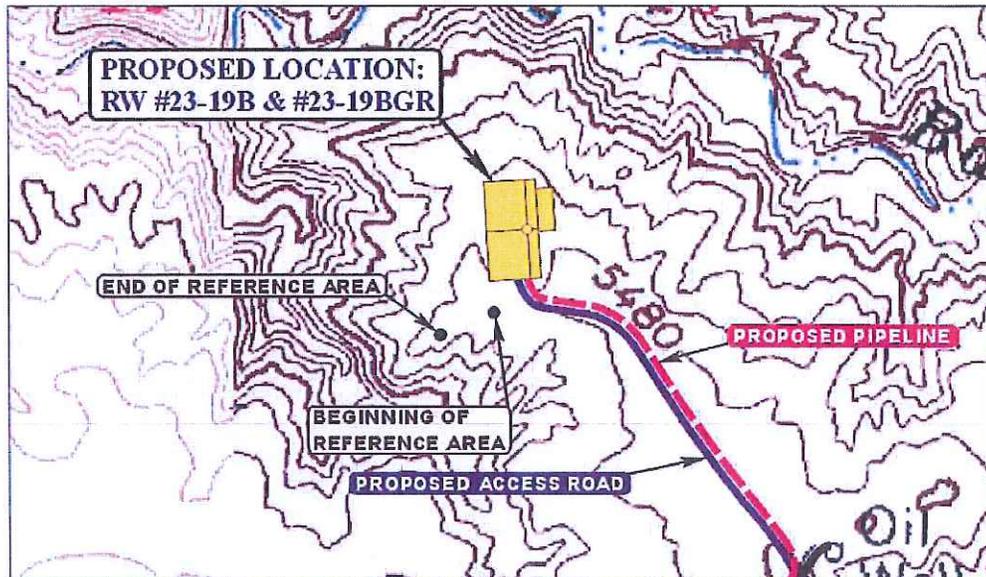


NOTE:

BEGINNING OF REFERENCE AREA
UTM NORTHING: 14600065.772
UTM EASTING: 2095145.810
LATITUDE: 40.191789
LONGITUDE: -109.372461

END OF REFERENCE AREA
UTM NORTHING: 14599984.508
UTM EASTING: 2094963.378
LATITUDE: 40.191575
LONGITUDE: -109.373119

PHOTO: VIEW FROM BEGINNING OF REFERENCE AREA



- Since 1964 -



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

SCALE: 1" = 600'

06 13 11
MONTH DAY YEAR

REF.

TAKEN BY: A.E.

DRAWN BY: Z.L.

REV: 08-07-12 C.I.

QEP Energy Company

RW 23-19B

Summarized New Drill A-Sand Horizontal Procedure

1. MIRU drilling rig.
2. Drill 12-3/4" hole to 500'.
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 a KOP of 4,720'.
7. Build to 12° inclination at 4,720'.
8. TOOH.
9. RIH with 7" 26# N-80.
10. Cement casing.
11. Drill out cement. Perform FIT.
12. Build curve per directional plan to land in the Ex3.
13. Drill ~4,046' of lateral at ~141.08° azimuth, following formation dip.
 - a. Mud system to be water based. Weights are expected to be in the 8.8 – 9.8 ppg range.
14. PU 4 1/2" sleeves, packers and liner pipe and run to TD.
 - a. Land liner top at 4,660', 60' above the window.
 - b. Bottom of liner will be 30' of bottom.
15. Set RBP at 4,400'.
16. ND BOP's.
17. RDMOL.

ONSHORE OIL & GAS ORDER NO. 1
QEP ENERGY COMPANY
RW 23-19B

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 well:

<u>Formation</u>	<u>Depth, TVD</u>	<u>Depth, MD</u>
Green River	3,078'	3,078'
Bird's Nest	3,366'	3,366'
Mahogany Bench	3,941'	3,941'
Kick Off Point	4,420'	4,420'
TD	5,081'	9,477'

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	Green River	5,148 – 5,081'	5,418' – 9,477'

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 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. 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.

ONSHORE OIL & GAS ORDER NO. 1
QEP ENERGY COMPANY
RW 23-19B

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"	16"	sfc	40'	Steel	Cond.	None	Used	Air
12 1/4"	9 5/8"	sfc	500'	36.0	J-55	STC	New	Air
8 3/4"	7"	sfc	4,720'	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, swell packers and sliding sleeves. It will be landed 30' off bottom.

Lateral:

Hole Size	Casing Size	Top, MD	Bottom, MD	Weight	Grade	MW
6 1/8"	4 1/2"	4,660'	9,447'	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.

ONSHORE OIL & GAS ORDER NO. 1
QEP ENERGY COMPANY
RW 23-19B

5. Cementing Program

16" Conductor:

Cement to surface with construction cement.

9-5/8" Surface Casing: sfc – 500' (MD)

Lead/Tail Slurry: 0' – 500'. 210 sks (313 cu ft) EXPANDACEM V3 + 0.2% HR-800 + 1.0 lb/sk Granulite TR 1/4 + 0.13 lb/sk Poly-E-Flake. Slurry wt: 13.5 ppg, Slurry yield: 1.49 ft³/sk, Slurry volume: hole + 100% excess.

7" Intermediate Casing: sfc – 4,720' (MD)

Lead Slurry: 0' – 4,220'. 310 sks (914 cu ft) Extendacem cement + 3.0 lb/sk Kol-Seal. Slurry wt: 11.0 ppg, Slurry yield: 2.95 ft³/sk, Slurry volume: 7-7/8" hole + 50% excess in open hole section.

Tail Slurry: 4,220' – 4,720'. 76 sks (113 cu ft) BONDCEM V1 + 0.2% HR-5 + 3.0 lb/sk Kol-Seal + 0.125 lb/sk Poly-E-Flake. Slurry wt: 13.5 ppg, Slurry yield: 1.48 ft³/sk, Slurry volume: 7-7/8" hole + 50% excess.

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

SE Lateral: 4,720' – 9,477'

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.

ONSHORE OIL & GAS ORDER NO. 1
QEP ENERGY COMPANY
RW 23-19B

- 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 blooiie line.** A diffuser will be used rather than an automatic pilot/ignitor. Water is injected into the compressed air and eliminates the need for the pilot light and the need for dust suppression equipment.
- i. **Compressors located in the opposite direction from the blooiie line a minimum of 100 feet from the well bore.** Compressors located 50 feet on the opposite side of the well bore from the blooiie 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**

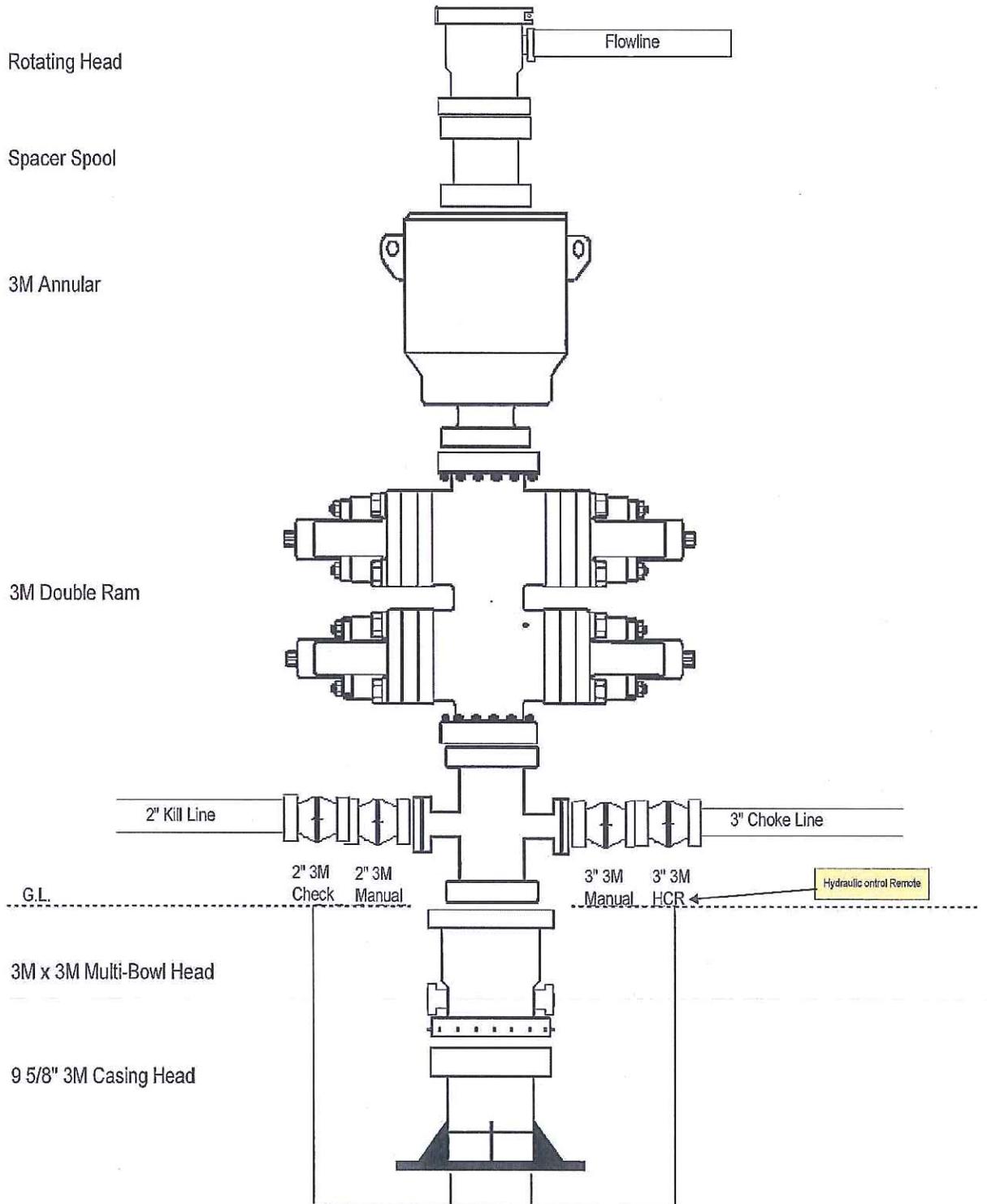
- a. Cores – None Anticipated
- b. DST – None Anticipated
- c. Logging:
 - i. Mud logging from casing exit to TD
 - ii. MWD-GR will be utilized during drilling operations to aid in landing the curve and maintaining the laterals within the desired zone.
- d. Formation and completion interval: G1 Lime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

ONSHORE OIL & GAS ORDER NO. 1
QEP ENERGY COMPANY
RW 23-19B

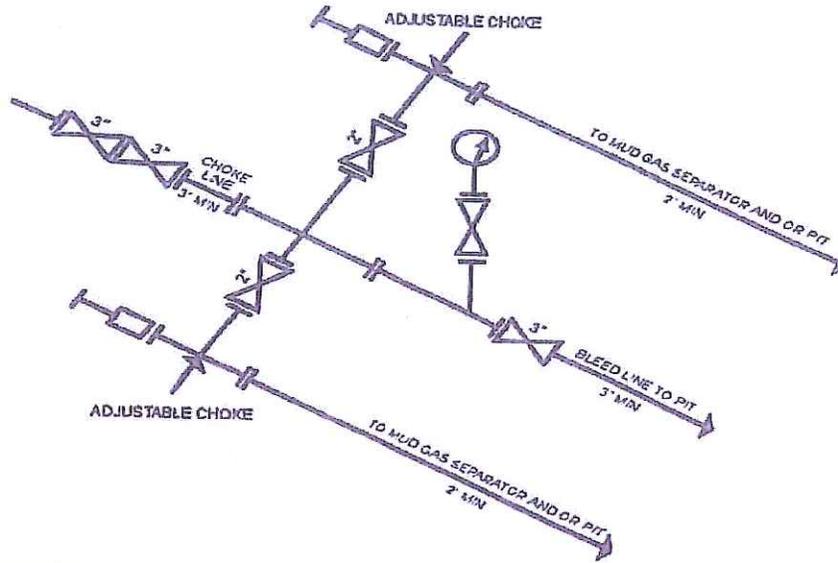
8. Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards

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.

ONSHORE OIL & GAS ORDER NO. 1
QEP ENERGY COMPANY
RW 23-19B
3M BOP STACK



ONSHORE OIL & GAS ORDER NO. 1
QEP ENERGY COMPANY
RW 23-19B



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

RW 23-19B

Updated 07-17-2013 CRA

Proposed WBD

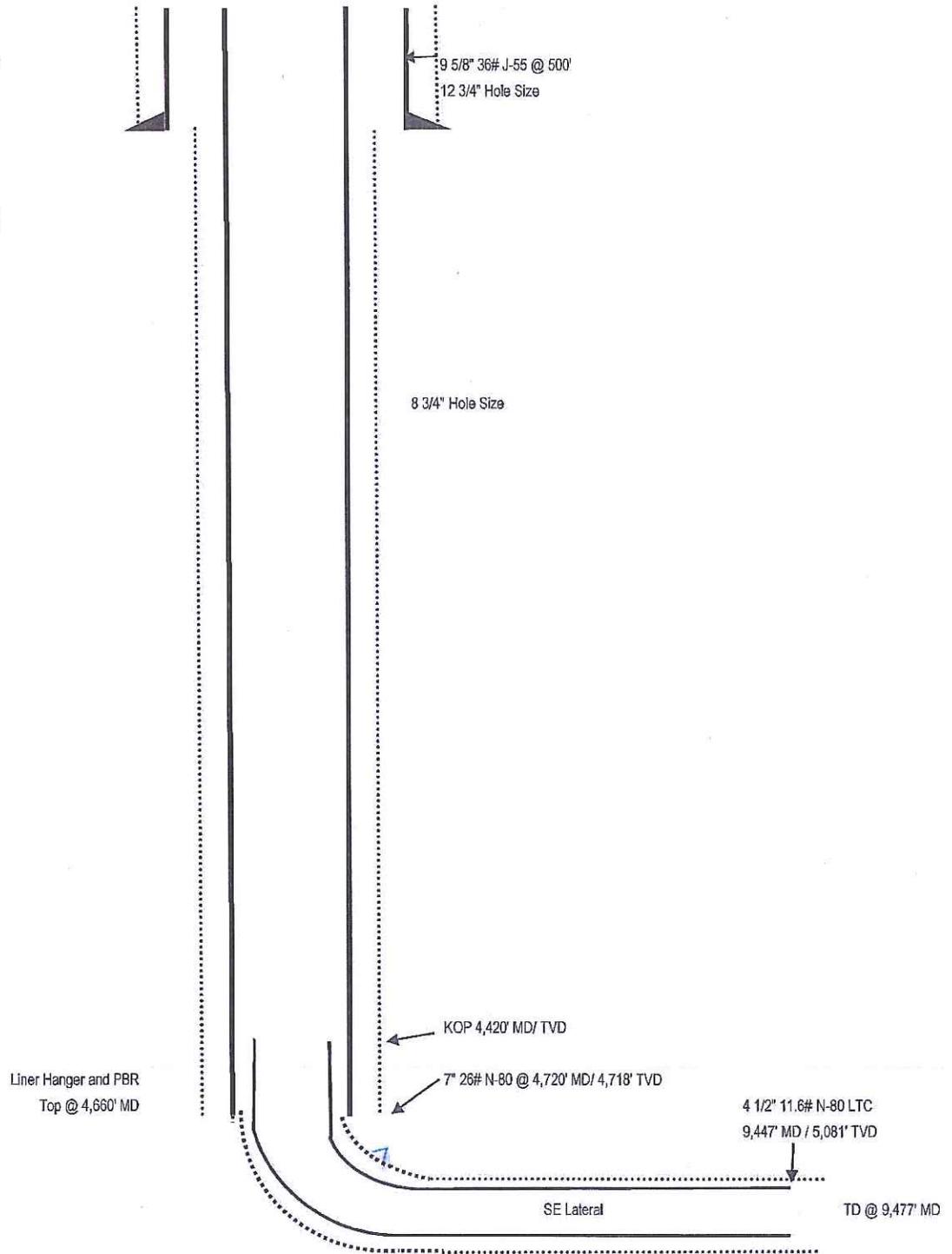
Uinta Basin

Sec 19-T7S-R23E, Uintah County, UT

KB 5,489'

GL 5,466'

NOTE: NOT TO SCALE





QEP Energy Company

QEP ENERGY (UT)

Red Wash

RW 23-19B

RW 23-19B

Original Hole

Plan: Plan ver.2

Standard Planning Report

22 July, 2013



QEP Energy Company



QEP Resources, Inc.
Planning Report



Database:	EDM_QEP	Local Co-ordinate Reference:	Well RW 23-19B
Company:	QEP ENERGY (UT)	TVD Reference:	RKB @ 5495.80usft (SST 88)
Project:	Red Wash	MD Reference:	RKB @ 5495.80usft (SST 88)
Site:	RW 23-19B	North Reference:	True
Well:	RW 23-19B	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan ver.2		

Project	Red Wash		
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	RW 23-19B				
Site Position:		Northing:	7,245,955.070 usft	Latitude:	40.192611
From:	Lat/Long	Easting:	2,234,812.644 usft	Longitude:	-109.372028
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	1.36 °

Well	RW 23-19B					
Well Position	+N/-S	-0.37 usft	Northing:	7,245,954.340 usft	Latitude:	40.192610
	+E/-W	-15.03 usft	Easting:	2,234,797.630 usft	Longitude:	-109.372082
Position Uncertainty		0.00 usft	Wellhead Elevation:	5,465.80 usft	Ground Level:	5,465.80 usft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF2010	9/10/2012	(°)	(°)	(nT)
			10.89	66.02	52,323

Design	Plan ver.2			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0,00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	0,00	0,00	0,00	141,08

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	
4,420.00	0.00	0.00	4,420.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,720.00	12.00	141.08	4,717.81	-24.35	19.66	4.00	4.00	0.00	141.08	
4,772.81	12.00	141.08	4,769.46	-32.90	26.56	0.00	0.00	0.00	0.00	
5,430.72	90.95	141.08	5,147.59	-402.43	324.92	12.00	12.00	0.00	0.00	
9,477.30	90.95	141.08	5,080.50	-3,550.49	2,866.57	0.00	0.00	0.00	0.00	RW 23-19B - hz



QEP Resources, Inc.
Planning Report



Database:	EDM_QEP	Local Co-ordinate Reference:	Well RW 23-19B
Company:	QEP ENERGY (UT)	TVD Reference:	RKB @ 5495.80usft (SST 88)
Project:	Red Wash	MD Reference:	RKB @ 5495.80usft (SST 88)
Site:	RW 23-19B	North Reference:	True
Well:	RW 23-19B	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan ver.2		

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
4,420.00	0.00	0.00	4,420.00	0.00	0.00	0.00	0.00	0.00	0.00
4,720.00	12.00	141.08	4,717.81	-24.35	19.66	31.30	4.00	4.00	0.00
4,772.81	12.00	141.08	4,769.46	-32.90	26.56	42.28	0.00	0.00	0.01
5,430.72	90.95	141.08	5,147.59	-402.43	324.92	517.23	12.00	12.00	0.00
9,477.30	90.95	141.08	5,080.50	-3,550.49	2,866.57	4,563.25	0.00	0.00	0.00

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
RW 23-19B - hz - hit/miss target - Shape - Point	0.00	0.00	5,080.50	-3,550.49	2,866.57	7,242,473.330	2,237,747.610	40.182864	-109.361823

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
500.00	500.00	9 5/8"	9-5/8	12-3/4
4,720.00	4,717.81	7"	7	8-3/4

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,078.00	3,078.00	Green River		0.00	
3,366.00	3,366.00	Top of Birds Nest		0.00	
3,630.00	3,630.00	Base of Birds Nest		0.00	
3,941.00	3,941.00	Mahogany Bench		0.95	321.08
5,017.21	4,985.50	Eagle		0.95	321.08
5,265.91	5,122.11	Ex3		0.95	321.08
5,418.04	5,147.63	Ex3 Target		0.95	321.08

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
5. LEASE DESIGNATION AND SERIAL NUMBER: UTU02030	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
7. UNIT or CA AGREEMENT NAME: RED WASH	
8. WELL NAME and NUMBER: RW 23-19B	
9. API NUMBER: 43047517250000	
9. FIELD and POOL or WILDCAT: RED WASH	
COUNTY: UINTAH	
STATE: UTAH	
1. TYPE OF WELL Gas Well	
2. NAME OF OPERATOR: QEP ENERGY COMPANY	
3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078	
PHONE NUMBER: 303 308-3068 Ext	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1760 FSL 1899 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 19 Township: 07.0S Range: 23.0E Meridian: S	

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"/> 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 checked="" type="checkbox"/> DRILLING REPORT Report Date: 10/4/2013	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

THIS WELL COMMENCED PRODUCTION ON OCTOBER 4, 2013 @ 5:00 P.M.

**Accepted by the
 Utah Division of
 Oil, Gas and Mining
 FOR RECORD ONLY
 October 28, 2013**

NAME (PLEASE PRINT) Valyn Davis	PHONE NUMBER 435 781-4369	TITLE Regulatory Affairs Analyst
SIGNATURE N/A	DATE 10/10/2013	

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

AMENDED REPORT FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME RED WASH	
b. TYPE OF WORK: NEW WELL <input checked="" type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____		8. WELL NAME and NUMBER: RW 23-19B	
2. NAME OF OPERATOR: QEP ENERGY COMPANY		9. API NUMBER: 4304751725	
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: SECTION 19, NESW, 1760' FSL, 1899' FWL AT TOP PRODUCING INTERVAL REPORTED BELOW: SECTION 19, NESW, 1760' FSL, 1899' FWL AT TOTAL DEPTH: SECTION 29, SWNW, 1875' FNL, 30' FWL		10 FIELD AND POOL, OR WILDCAT RED WASH	
14. DATE SPURRED: 8/13/2013		15. DATE T.D. REACHED: 9/4/2013	
16. DATE COMPLETED: 10/12/2013		ABANDONED <input type="checkbox"/> READY TO PRODUCE <input checked="" type="checkbox"/>	
17. ELEVATIONS (DF, RKB, RT, GL): 5468' GL		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 19 7S 23E	
18. TOTAL DEPTH: MD 9,716 TVD 5,037		19. PLUG BACK T.D.: MD _____ TVD _____	
20. IF MULTIPLE COMPLETIONS, HOW MANY? *		21. DEPTH BRIDGE MD _____ TVD _____	
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) CBL		23. WAS WELL CORED? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> (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	523		300	56		
8.75	7 N-80	26	0	4,626		790	281	550	
6.5	4.5 HC	11.6	4,545	9,696		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	4,813							

26. PRODUCING INTERVALS					27. PERFORATION RECORD				
FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS	
(A) GREEN RIVER	5,521	9,301					0	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
5,521 -9,301	10,428 BBLs DELTA 140 & FRESH WATER; 480,200 LBS 20/40 SAND, 121,300 LBS 16/30 SAND

29. ENCLOSED ATTACHMENTS:		30. WELL STATUS:
<input type="checkbox"/> ELECTRICAL/MECHANICAL LOGS <input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION	<input type="checkbox"/> GEOLOGIC REPORT <input type="checkbox"/> CORE ANALYSIS	<input type="checkbox"/> DST REPORT <input checked="" type="checkbox"/> DIRECTIONAL SURVEY <input checked="" type="checkbox"/> OTHER: OPS SUMMARY
		POW

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 10/4/2013	TEST DATE: 11/12/2013	HOURS TESTED: 24	TEST PRODUCTION RATES: →	OIL - BBL: 21	GAS - MCF: 0	WATER - BBL: 630	PROD. METHOD: EPU
CHOKE SIZE:	TBG. PRESS. 5	CSG. PRESS. 5	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	3,074
				BIRDS NEST (TOP)	3,362
				BIRDS NEST (BASE)	3,626
				MAHOGANY BENCH	3,937

35. ADDITIONAL REMARKS (Include plugging procedure)

#27. PERFORATION RECORD: 8 SLIDING SLEEVES FROM 5,521 - 9,301.

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 11/25/2013

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



QEP Energy Company

Daily Activity and Cost Summary

Well Name: RW 23-19B (GR)

API 43-047-53440	Surface Legal Location S19-T7S-R23E	Field Name RED WASH	County UINTAH	State UTAH	Well Configuration Type Horizontal
Unique Well ID UT08816688	Ground Elevation (ft) 5,465.8	Casing Flange Elevation (ft) 5,465.80	Current KB to GL (ft) 22.80	KB to CF (ft) 22.80	Spud Date 8/13/2013 08:00
Job Category DRILLING	Primary Job Type DRILLING	Secondary Job Type DEVELOPMENT	Objective		
Start Date 8/13/2013	Job End Date 9/8/2013				

Purpose

Summary

Contractor Pete Martin Drilling	RIG PETE MARTIN 1	Rig Type AUGER RIG
Contractor Pro Petro	RIG AIR 8	Rig Type AIR RIG
Contractor SST Energy	RIG SST 54	Rig Type ROTARY RIG

DOL	Start Date	Summary
1	8/12/2013	PRE SPUD COSTS
2	8/13/2013	DRILL AND SET 40' OF 16" CONDUCTOR
3	8/15/2013	DRILL 12 1/4" HOLE TO 511' AND SET 9 5/8" CASING TO 501'. CEMENT
4	8/20/2013	RIG DOWN TOP DRIVE AND FLOOR, READY DERRICK AND LAY OVER.SET OUT BACK YARD
5	8/21/2013	PJSM, MOVE AND RIG UP WITH WESTROC 2 BUILDINGS, SKID RAILS, MATS AND DERRICK NOT SPLIT ON OLD LOCATION. BACK YARD, MUD TANKS, SKID RAILS AND TRAILERS SET ON NEW LOCATION
6	8/22/2013	PJSM, MOVE AND RIG UP WITH WESTROC TRUCKING, WAIT ON DAYLIGHT
7	8/23/2013	PUT DERRICK ON THE FLOOR AND RAISE, PICK UP TOP DRIVE, UNLOAD TUBULARS, GENERAL RIG UP BY HAND. TEST BOPE. P/U & ORIENT TOOLS. P/U BHA. DRILL SHOE TRACK. FIT TO 10# EMW. DIRECTIONAL DRILL.
8	8/24/2013	DIRECTIONAL DRILL, SERVICE RIG. WIPER TRIP. REPAIR STAND PIPE.
9	8/25/2013	DIRECTIONAL DRILL. WIPER TRIP @ 3683. CIRCULATE. WIPER TRIP @ 4636. CIRCULATE. PJSM. LDDP.
10	8/26/2013	LDDP, REPLACE SWIVEL PACKING, RIG UP AND RUN CASING, CIRCULATE, CEMENT. SET RACKS. P/U DIRECTIONAL TOOLS.
11	8/27/2013	PICK UP DRILL STRING, RIG DOWN LAY DOWN MACHINE, DRILL SHOE TRACK, FIT, DIRECTIONAL DRILL.
12	8/28/2013	TRIP FOR SCREEN. DIRECTIONAL DRILL, RIG SERVICE. CIRCULATE. TRIP OUT. CUT DRLG. LINE. CHANGE BHA.
13	8/29/2013	PICK UP AND TRIP IN WITH DIRECTIONAL TOOLS, RIG SERVICE, RIG REPAIR- STAND PIPE, DIRECTIONAL DRILL. TRIP TO SHOE. REPAIR LUBE PUMP ON TOP DRIVE. TRIP IN. DIRECTIONAL DRILL.
14	8/30/2013	DIRECTIONAL DRILL, RIG SERVICE, SHORT TRIP.
15	8/31/2013	DIRECTIONAL DRILL, SHORT TRIP, RIG SERVICE. SURVEYS.
16	9/1/2013	TRIP, WORK BHA, WASH AND REAM, DIRECTIONAL DRILL.
17	9/2/2013	DIRECTIONAL DRILL, SHORT TRIP, RIG SERVICE, SURVEYS. TRIP FOR MWD FAILURE.
18	9/3/2013	PICK UP BHA, TRIP, CUT DRILLING LINE, REPLACE WASH PIPE. TRIP IN. WASH TO BTM. REPAIR MUD LINE. DIRECTIONAL DRILL.
19	9/4/2013	DIRECTIONAL DRILL FROM 9158 TO 9473 FT = 315 FT FOR 31.5 FPR WOB= 15/16 GPM= 250 RPM = 158 RIG SERVICE CONT TO DIRECTIONAL DRILL FROM 9473 FT TO 9716 FT CIRC BOTTOMS UP POOH FOR REAMER RUN
20	9/5/2013	TRIP OUT & PICK UP REAMING ASSEMBLY REAM FROM 4675 TO 5125 FT PULL OUTY TO THE SHOE & CHANGE THE I-BOP VALVE TRIP IN THE HOLE TO 5125 FT & REAM FROM 5125 FT TO 8575 FT
21	9/6/2013	REAM F/ 8575 TO 9716 FT CIRC BOTTOMS UPSPOT LUB,BEAD PILL SHORT TRIP TO THE SHOE, CIRC & SPOT LUB,BEAD PILL POOH FOR CASING RIG SERVICE, PJSM & RIG UP L/D TRUCK PICK UP 27 4.75" DC'S & STAND IN THE DERRICK PJSM RIG UP CASING CREWS & PICK UP HALCO SWELL PACKERS & SLEVES AND 4.5" CASING
22	9/7/2013	RUN 4.5" CASING R/D CASING CREWS TIH WITH CASING PJSM R/U HALCO, TEST LINES TO 9000 PSI DISPLACE HOLE WITH 126 BBL'S DIESEL & 106 BBL'S KCL DROP SETTING BALL PRESURE UP TO 5450 PSI SET PACKER & TEST LINNER TOP (NO TEST) DISPLACE HOLE WITH KCL LAY DOWN DRILL PIPE RIH WITH SEAL ASSEMBLY STING INTO LINNER & TEST LINNER TOP TO 3500 PSI(GOOD TEST) R/D HALCO AND LAY DOWN DRILL PIPE
23	9/8/2013	FINISH LAYING DOWN DRILL PIPE, RIG UP WIRE LINE TRUCK AND SET BRIDGE PLUG @ 4425'. CLEAN TANKS AND NIPPLE DOWN BOP.



QEP Energy Company

**Uintah Co., UT
Sec.19-T7S-R23E
RW 23-19B**

Wellbore #1

Survey: Survey #1

Standard Survey Report

16 October, 2013



**PHOENIX
TECHNOLOGY SERVICES**



Phoenix Technology Services
Survey Report



Database:	RMR Compass DB	Local Co-ordinate Reference:	Well RW 23-19B
Company:	QEP Energy Company	TVD Reference:	Well @ 5488.60usft (OWE)
Project:	Uintah Co., UT	MD Reference:	Well @ 5488.60usft (OWE)
Site:	Sec.19-T7S-R23E	North Reference:	True
Well:	RW 23-19B	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Job Number:	Wellbore #1		

Project	Uintah Co., UT		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	Sec.19-T7S-R23E				
Site Position:		Northing:	7,245,954.340 usft	Latitude:	40.19
From:	Map	Easting:	2,234,797.630 usft	Longitude:	-109.37
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	1.36 °

Well	RW 23-19B					
Well Position	+N/-S	0.00 usft	Northing:	7,245,954.340 usft	Latitude:	40.192610
	+E/-W	0.00 usft	Easting:	2,234,797.630 usft	Longitude:	-109.372082
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	5,465.80 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010-14	08/15/13	10.77	65.99	52,231

Job Number	Wellbore #1				
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	140.51	

Survey Program	Date	09/13/13			
From ()	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.00	9,716.00	Survey #1 (Wellbore #1)	MWD		

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	Subsea Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
22.80	0.00	0.00	22.80	-5,465.80	0.00	0.00	0.00	0.00	0.00	0.00
603.00	0.30	33.50	603.00	-4,885.60	1.27	0.84	-0.44	0.05	0.05	0.00
694.00	0.60	55.30	693.99	-4,794.61	1.74	1.36	-0.47	0.37	0.33	23.96
786.00	0.60	42.30	785.99	-4,702.61	2.37	2.08	-0.50	0.15	0.00	-14.13
879.00	0.40	8.30	878.99	-4,609.61	3.05	2.46	-0.79	0.38	-0.22	-36.56
970.00	0.20	28.50	969.98	-4,518.62	3.50	2.58	-1.06	0.25	-0.22	22.20
1,065.00	0.60	78.10	1,064.98	-4,423.62	3.75	3.14	-0.90	0.52	0.42	52.21
1,160.00	0.70	117.50	1,159.98	-4,328.62	3.59	4.15	-0.13	0.47	0.11	41.47
1,255.00	0.70	111.70	1,254.97	-4,233.63	3.10	5.20	0.91	0.07	0.00	-6.11



Phoenix Technology Services
Survey Report



Database:	RMR Compass DB	Local Co-ordinate Reference:	Well RW 23-19B
Company:	QEP Energy Company	TVD Reference:	Well @ 5488.60usft (OWE)
Project:	Uintah Co., UT	MD Reference:	Well @ 5488.60usft (OWE)
Site:	Sec.19-T7S-R23E	North Reference:	True
Well:	RW 23-19B	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Job Number	Wellbore #1		

Survey											
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	Subsea Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
1,350.00	0.60	131.70	1,349.96	-4,138.64	2.56	6.11	1.91	0.26	-0.11	21.05	
1,445.00	0.50	169.60	1,444.96	-4,043.64	1.82	6.56	2.77	0.39	-0.11	39.89	
1,540.00	0.50	91.10	1,539.96	-3,948.64	1.40	7.05	3.40	0.67	0.00	-82.63	
1,634.00	0.20	342.60	1,633.96	-3,854.64	1.55	7.41	3.51	0.63	-0.32	-115.43	
1,730.00	0.30	295.30	1,729.96	-3,758.65	1.82	7.13	3.13	0.23	0.10	-49.27	
1,825.00	0.00	282.50	1,824.95	-3,663.65	1.93	6.90	2.90	0.32	-0.32	0.00	
1,920.00	0.40	317.30	1,919.95	-3,568.65	2.17	6.68	2.57	0.42	0.42	0.00	
2,015.00	1.00	16.50	2,014.95	-3,473.65	3.21	6.69	1.78	0.91	0.63	62.32	
2,111.00	1.00	13.50	2,110.93	-3,377.67	4.83	7.12	0.81	0.05	0.00	-3.13	
2,206.00	0.80	359.10	2,205.92	-3,282.68	6.29	7.31	-0.21	0.32	-0.21	-15.16	
2,302.00	0.80	2.70	2,301.91	-3,186.69	7.63	7.33	-1.23	0.05	0.00	3.75	
2,397.00	0.50	40.30	2,396.91	-3,091.69	8.61	7.63	-1.80	0.53	-0.32	39.58	
2,493.00	0.90	29.20	2,492.90	-2,995.70	9.59	8.27	-2.14	0.44	0.42	-11.56	
2,588.00	0.50	67.50	2,587.89	-2,900.71	10.40	9.01	-2.29	0.63	-0.42	40.32	
2,683.00	0.50	78.10	2,682.89	-2,805.71	10.64	9.80	-1.98	0.10	0.00	11.16	
2,779.00	0.40	82.80	2,778.89	-2,709.72	10.77	10.54	-1.61	0.11	-0.10	4.90	
2,874.00	0.70	94.80	2,873.88	-2,614.72	10.77	11.45	-1.03	0.34	0.32	12.63	
2,970.00	0.60	95.70	2,969.87	-2,518.73	10.67	12.54	-0.26	0.10	-0.10	0.94	
3,065.00	0.60	104.60	3,064.87	-2,423.73	10.49	13.51	0.50	0.10	0.00	9.37	
3,160.00	0.70	84.70	3,159.86	-2,328.74	10.42	14.57	1.22	0.26	0.11	-20.95	
3,254.00	0.60	92.10	3,253.86	-2,234.74	10.46	15.63	1.87	0.14	-0.11	7.87	
3,349.00	0.70	167.20	3,348.85	-2,139.75	9.87	16.26	2.72	0.84	0.11	79.05	
3,445.00	1.20	206.90	3,444.84	-2,043.76	8.40	15.93	3.65	0.83	0.52	41.35	
3,540.00	0.70	190.10	3,539.83	-1,948.77	6.94	15.38	4.42	0.60	-0.53	-17.68	
3,635.00	0.90	190.90	3,634.82	-1,853.78	5.64	15.14	5.28	0.21	0.21	0.84	
3,728.00	1.20	190.20	3,727.80	-1,760.80	3.96	14.83	6.37	0.32	0.32	-0.75	
3,824.00	1.60	163.30	3,823.77	-1,664.83	1.69	15.04	8.26	0.79	0.42	-28.02	
3,919.00	1.10	107.60	3,918.75	-1,569.85	0.15	16.29	10.25	1.41	-0.53	-58.63	
4,014.00	1.10	88.00	4,013.73	-1,474.87	-0.10	18.07	11.57	0.39	0.00	-20.63	
4,110.00	0.70	95.50	4,109.72	-1,378.88	-0.12	19.57	12.54	0.43	-0.42	7.81	
4,205.00	1.00	109.80	4,204.71	-1,283.89	-0.46	20.93	13.66	0.38	0.32	15.05	
4,300.00	1.20	96.40	4,299.69	-1,188.91	-0.85	22.70	15.09	0.34	0.21	-14.11	
4,332.00	2.40	122.80	4,331.68	-1,156.92	-1.25	23.59	15.97	4.46	3.75	82.50	
4,364.00	3.90	130.50	4,363.63	-1,124.97	-2.32	24.99	17.68	4.86	4.69	24.06	
4,396.00	5.10	130.60	4,395.53	-1,093.07	-3.95	26.89	20.15	3.75	3.75	0.31	
4,427.00	6.30	124.40	4,426.38	-1,062.22	-5.81	29.34	23.15	4.35	3.87	-20.00	
4,459.00	7.60	128.10	4,458.14	-1,030.46	-8.11	32.46	26.90	4.29	4.06	11.56	
4,491.00	9.00	130.30	4,489.80	-998.80	-11.03	36.03	31.43	4.49	4.38	6.88	
4,522.00	10.40	133.00	4,520.36	-968.24	-14.51	39.93	36.59	4.75	4.52	8.71	
4,554.00	11.30	136.20	4,551.79	-936.81	-18.74	44.21	42.58	3.38	2.81	10.00	
4,586.00	11.60	136.00	4,583.15	-905.45	-23.32	48.61	48.91	0.95	0.94	-0.63	
4,630.00	11.87	142.34	4,626.23	-862.37	-30.08	54.45	57.85	2.99	0.61	14.41	



Phoenix Technology Services
Survey Report



Database:	RMR Compass DB	Local Co-ordinate Reference:	Well RW 23-19B
Company:	QEP Energy Company	TVD Reference:	Well @ 5488.60usft (OWE)
Project:	Uintah Co., UT	MD Reference:	Well @ 5488.60usft (OWE)
Site:	Sec.19-T7S-R23E	North Reference:	True
Well:	RW 23-19B	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Job Number	Wellbore #1		

Survey											
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	Subsea Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
4,662.00	14.46	146.03	4,657.39	-831.21	-36.00	58.70	65.11	8.51	8.09	11.53	
4,692.00	19.30	149.90	4,686.09	-802.51	-43.40	63.28	73.74	16.55	16.13	12.90	
4,725.00	23.91	150.78	4,716.76	-771.84	-53.97	69.28	85.71	14.00	13.97	2.67	
4,757.00	26.59	147.62	4,745.71	-742.89	-65.68	76.28	99.20	9.37	8.38	-9.88	
4,788.00	28.66	146.21	4,773.17	-715.43	-77.71	84.13	113.48	7.00	6.68	-4.55	
4,820.00	31.38	141.55	4,800.88	-687.72	-90.62	93.59	129.45	11.19	8.50	-14.56	
4,852.00	32.50	143.00	4,828.03	-660.57	-104.01	103.94	146.37	4.24	3.50	4.53	
4,882.00	33.00	144.00	4,853.27	-635.33	-117.06	113.59	162.58	2.46	1.67	3.33	
4,915.00	35.50	145.20	4,880.54	-608.06	-132.20	124.35	181.10	7.85	7.58	3.64	
4,946.00	40.60	146.90	4,904.95	-583.65	-148.05	135.00	200.11	16.79	16.45	5.48	
4,977.00	44.40	146.60	4,927.80	-560.80	-165.56	146.48	220.92	12.28	12.26	-0.97	
5,010.00	47.10	146.00	4,950.82	-537.78	-185.22	159.60	244.44	8.28	8.18	-1.82	
5,042.00	49.30	145.50	4,972.15	-516.45	-204.94	173.02	268.19	6.97	6.88	-1.56	
5,072.00	51.70	145.40	4,991.23	-497.37	-224.00	186.15	291.25	8.00	8.00	-0.33	
5,105.00	54.90	144.20	5,010.95	-477.65	-245.62	201.41	317.63	10.13	9.70	-3.64	
5,137.00	58.20	142.50	5,028.59	-460.01	-267.03	217.35	344.30	11.22	10.31	-5.31	
5,167.00	61.70	141.20	5,043.61	-444.99	-287.44	233.39	370.25	12.25	11.67	-4.33	
5,200.00	64.40	140.70	5,058.56	-430.04	-310.29	251.92	399.66	8.29	8.18	-1.52	
5,232.00	66.55	140.41	5,071.84	-416.76	-332.77	270.42	428.78	6.77	6.72	-0.91	
5,264.00	66.90	140.06	5,084.49	-404.11	-355.36	289.22	458.17	1.49	1.09	-1.09	
5,295.00	68.57	139.53	5,096.23	-392.37	-377.27	307.74	486.86	5.61	5.39	-1.71	
5,327.00	69.45	139.79	5,107.70	-380.90	-400.04	327.08	516.73	2.85	2.75	0.81	
5,358.00	73.40	141.20	5,117.57	-371.03	-422.71	345.76	546.11	13.45	12.74	4.55	
5,390.00	77.60	142.90	5,125.58	-363.02	-447.14	364.81	577.07	14.10	13.13	5.31	
5,422.00	82.30	143.50	5,131.16	-357.44	-472.36	383.67	608.53	14.80	14.69	1.88	
5,453.00	87.30	141.90	5,133.97	-354.63	-496.91	402.38	639.37	16.93	16.13	-5.16	
5,485.00	91.20	142.10	5,134.39	-354.21	-522.12	422.07	671.35	12.20	12.19	0.63	
5,516.00	90.50	141.40	5,133.93	-354.67	-546.46	441.26	702.34	3.19	-2.26	-2.26	
5,555.00	89.60	140.90	5,133.90	-354.70	-576.83	465.73	741.34	2.64	-2.31	-1.28	
5,589.00	90.80	141.20	5,133.78	-354.82	-603.28	487.10	775.34	3.64	3.53	0.88	
5,620.00	92.60	139.90	5,132.86	-355.74	-627.20	506.79	808.32	7.16	5.81	-4.19	
5,652.00	93.30	139.50	5,131.21	-357.39	-651.57	527.46	838.28	2.52	2.19	-1.25	
5,683.00	92.70	140.40	5,129.59	-359.01	-675.27	547.38	869.23	3.49	-1.94	2.90	
5,715.00	92.50	140.20	5,128.14	-360.46	-699.87	567.80	901.20	0.88	-0.63	-0.63	
5,746.00	93.00	140.00	5,126.65	-361.95	-723.62	587.66	932.16	1.74	1.61	-0.65	
5,778.00	93.20	139.70	5,124.92	-363.68	-748.05	608.26	964.11	1.13	0.63	-0.94	
5,809.00	92.00	139.70	5,123.51	-365.09	-771.66	628.29	995.08	3.87	-3.87	0.00	
5,841.00	91.40	139.80	5,122.57	-366.03	-796.08	648.96	1,027.06	1.90	-1.88	0.31	
5,873.00	91.90	139.80	5,121.64	-366.96	-820.51	669.60	1,059.04	1.56	1.56	0.00	
5,904.00	92.20	139.70	5,120.53	-368.07	-844.15	689.62	1,090.02	1.02	0.97	-0.32	
5,936.00	92.40	139.40	5,119.25	-369.35	-868.48	710.36	1,121.99	1.13	0.63	-0.94	
5,968.00	92.60	138.90	5,117.85	-370.75	-892.67	731.28	1,153.95	1.68	0.63	-1.56	
5,999.00	92.50	138.80	5,116.48	-372.12	-915.99	751.65	1,184.91	0.46	-0.32	-0.32	



Phoenix Technology Services
Survey Report



Database:	RMR Compass DB	Local Co-ordinate Reference:	Well RW 23-19B
Company:	QEP Energy Company	TVD Reference:	Well @ 5488.60usft (OWE)
Project:	Uintah Co., UT	MD Reference:	Well @ 5488.60usft (OWE)
Site:	Sec.19-T7S-R23E	North Reference:	True
Well:	RW 23-19B	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Job Number	Wellbore #1		

Survey											
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	Subsea Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
6,031.00	92.70	139.50	5,115.02	-373.58	-940.17	772.56	1,216.87	2.27	0.63	2.19	
6,063.00	92.90	139.40	5,113.46	-375.14	-964.45	793.34	1,248.82	0.70	0.63	-0.31	
6,095.00	93.10	140.10	5,111.79	-376.81	-988.84	813.99	1,280.78	2.27	0.63	2.19	
6,127.00	91.80	140.50	5,110.42	-378.18	-1,013.44	834.41	1,312.75	4.25	-4.06	1.25	
6,158.00	91.40	140.70	5,109.55	-379.05	-1,037.38	854.08	1,343.73	1.44	-1.29	0.65	
6,190.00	91.30	140.30	5,108.80	-379.80	-1,062.07	874.43	1,375.72	1.29	-0.31	-1.25	
6,221.00	89.90	140.10	5,108.47	-380.13	-1,085.88	894.27	1,406.72	4.56	-4.52	-0.65	
6,253.00	89.70	139.50	5,108.59	-380.01	-1,110.33	914.92	1,438.72	1.98	-0.63	-1.88	
6,285.00	89.50	140.00	5,108.81	-379.79	-1,134.75	935.60	1,470.71	1.68	-0.63	1.56	
6,317.00	89.90	140.10	5,108.98	-379.62	-1,159.28	956.15	1,502.71	1.29	1.25	0.31	
6,348.00	90.50	139.90	5,108.87	-379.73	-1,183.03	976.07	1,533.71	2.04	1.94	-0.65	
6,380.00	90.50	138.70	5,108.59	-380.01	-1,207.29	996.94	1,565.70	3.75	0.00	-3.75	
6,412.00	89.70	138.90	5,108.53	-380.07	-1,231.36	1,018.02	1,597.69	2.58	-2.50	0.63	
6,443.00	90.10	138.60	5,108.59	-380.01	-1,254.67	1,038.46	1,628.67	1.61	1.29	-0.97	
6,475.00	90.90	138.90	5,108.31	-380.29	-1,278.73	1,059.56	1,660.66	2.67	2.50	0.94	
6,506.00	91.30	137.90	5,107.71	-380.89	-1,301.90	1,080.13	1,691.63	3.47	1.29	-3.23	
6,538.00	91.10	138.90	5,107.04	-381.56	-1,325.83	1,101.37	1,723.60	3.19	-0.63	3.13	
6,569.00	90.80	138.90	5,106.53	-382.07	-1,349.19	1,121.75	1,754.58	0.97	-0.97	0.00	
6,601.00	91.20	138.70	5,105.97	-382.63	-1,373.26	1,142.82	1,786.56	1.40	1.25	-0.63	
6,633.00	91.20	139.40	5,105.30	-383.30	-1,397.42	1,163.79	1,818.55	2.19	0.00	2.19	
6,664.00	91.40	139.20	5,104.60	-384.00	-1,420.92	1,184.00	1,849.53	0.91	0.65	-0.65	
6,696.00	91.40	138.80	5,103.82	-384.78	-1,445.06	1,204.99	1,881.51	1.25	0.00	-1.25	
6,728.00	92.00	139.20	5,102.87	-385.73	-1,469.20	1,225.97	1,913.49	2.25	1.88	1.25	
6,759.00	92.00	139.20	5,101.78	-386.82	-1,492.65	1,246.22	1,944.46	0.00	0.00	0.00	
6,791.00	92.00	138.40	5,100.67	-387.93	-1,516.72	1,267.28	1,976.43	2.50	0.00	-2.50	
6,822.00	91.80	137.60	5,099.64	-388.96	-1,539.74	1,288.01	2,007.38	2.66	-0.65	-2.58	
6,854.00	92.20	137.50	5,098.52	-390.08	-1,563.34	1,309.60	2,039.32	1.29	1.25	-0.31	
6,886.00	92.60	137.90	5,097.18	-391.42	-1,586.99	1,331.12	2,071.25	1.77	1.25	1.25	
6,918.00	93.00	138.10	5,095.62	-392.98	-1,610.74	1,352.50	2,103.18	1.40	1.25	0.63	
6,949.00	92.40	136.70	5,094.16	-394.44	-1,633.53	1,373.46	2,134.10	4.91	-1.94	-4.52	
6,981.00	90.40	136.50	5,093.38	-395.22	-1,656.77	1,395.44	2,166.01	6.28	-6.25	-0.63	
7,012.00	90.40	136.10	5,093.16	-395.44	-1,679.19	1,416.86	2,196.93	1.29	0.00	-1.29	
7,044.00	91.30	136.30	5,092.69	-395.91	-1,702.28	1,439.00	2,228.84	2.88	2.81	0.63	
7,076.00	92.00	135.80	5,091.76	-396.84	-1,725.31	1,461.20	2,260.72	2.69	2.19	-1.56	
7,107.00	90.80	136.40	5,091.01	-397.59	-1,747.64	1,482.69	2,291.62	4.33	-3.87	1.94	
7,139.00	90.30	137.50	5,090.70	-397.90	-1,771.02	1,504.54	2,323.56	3.78	-1.56	3.44	
7,171.00	90.90	137.60	5,090.37	-398.24	-1,794.63	1,526.13	2,355.51	1.90	1.88	0.31	
7,203.00	90.90	137.40	5,089.86	-398.74	-1,818.22	1,547.75	2,387.47	0.62	0.00	-0.63	
7,234.00	91.30	137.30	5,089.27	-399.33	-1,841.02	1,568.75	2,418.41	1.33	1.29	-0.32	
7,266.00	92.00	137.00	5,088.35	-400.25	-1,864.47	1,590.50	2,450.35	2.38	2.19	-0.94	
7,297.00	92.00	136.00	5,087.26	-401.34	-1,886.94	1,611.83	2,481.25	3.22	0.00	-3.23	
7,329.00	92.00	135.40	5,086.15	-402.45	-1,909.83	1,634.16	2,513.12	1.87	0.00	-1.88	



Phoenix Technology Services
Survey Report



Database:	RMR Compass DB	Local Co-ordinate Reference:	Well RW 23-19B
Company:	QEP Energy Company	TVD Reference:	Well @ 5488.60usft (OWE)
Project:	Uintah Co., UT	MD Reference:	Well @ 5488.60usft (OWE)
Site:	Sec.19-T7S-R23E	North Reference:	True
Well:	RW 23-19B	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Job Number	Wellbore #1		

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	Subsea Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
7,360.00	91.70	135.70	5,085.15	-403.45	-1,931.95	1,655.86	2,543.99	1.37	-0.97	0.97
7,392.00	92.30	136.30	5,084.03	-404.57	-1,954.95	1,678.08	2,575.87	2.65	1.88	1.88
7,424.00	92.90	136.10	5,082.58	-406.02	-1,978.02	1,700.20	2,607.74	1.98	1.88	-0.63
7,455.00	92.70	135.20	5,081.06	-407.54	-2,000.16	1,721.85	2,638.59	2.97	-0.65	-2.90
7,486.00	93.20	135.70	5,079.47	-409.13	-2,022.23	1,743.56	2,669.43	2.28	1.61	1.61
7,518.00	93.50	135.30	5,077.60	-411.00	-2,045.01	1,765.95	2,701.26	1.56	0.94	-1.25
7,554.00	93.70	135.80	5,075.34	-413.26	-2,070.66	1,791.11	2,737.05	1.49	0.56	1.39
7,585.00	92.70	136.50	5,073.61	-414.99	-2,092.98	1,812.56	2,767.91	3.94	-3.23	2.26
7,617.00	92.20	136.60	5,072.24	-416.36	-2,116.19	1,834.54	2,799.81	1.59	-1.56	0.31
7,648.00	91.60	134.70	5,071.21	-417.39	-2,138.34	1,856.20	2,830.68	6.42	-1.94	-6.13
7,680.00	90.10	135.50	5,070.74	-417.86	-2,161.01	1,878.79	2,862.53	5.31	-4.69	2.50
7,712.00	90.00	136.10	5,070.71	-417.89	-2,183.95	1,901.09	2,894.42	1.90	-0.31	1.88
7,743.00	90.50	136.50	5,070.57	-418.03	-2,206.36	1,922.51	2,925.34	2.07	1.61	1.29
7,775.00	90.50	138.60	5,070.29	-418.31	-2,229.97	1,944.11	2,957.29	6.56	0.00	6.56
7,806.00	90.80	139.50	5,069.94	-418.66	-2,253.38	1,964.42	2,988.28	3.06	0.97	2.90
7,838.00	91.20	139.50	5,069.38	-419.22	-2,277.71	1,985.20	3,020.27	1.25	1.25	0.00
7,870.00	90.60	140.50	5,068.88	-419.72	-2,302.22	2,005.77	3,052.26	3.64	-1.88	3.13
7,902.00	90.80	140.80	5,068.49	-420.11	-2,326.96	2,026.06	3,084.26	1.13	0.63	0.94
7,933.00	90.90	140.20	5,068.03	-420.57	-2,350.88	2,045.77	3,115.26	1.96	0.32	-1.94
7,965.00	88.90	140.70	5,068.09	-420.51	-2,375.55	2,066.15	3,147.26	6.44	-6.25	1.56
7,997.00	88.40	140.10	5,068.84	-419.76	-2,400.20	2,086.54	3,179.25	2.44	-1.56	-1.88
8,029.00	88.60	140.40	5,069.68	-418.92	-2,424.80	2,107.00	3,211.24	1.13	0.63	0.94
8,060.00	88.60	140.50	5,070.44	-418.16	-2,448.69	2,126.73	3,242.23	0.32	0.00	0.32
8,092.00	88.50	140.50	5,071.25	-417.35	-2,473.38	2,147.08	3,274.22	0.31	-0.31	0.00
8,123.00	88.40	140.10	5,072.08	-416.52	-2,497.22	2,166.87	3,305.20	1.33	-0.32	-1.29
8,155.00	88.40	139.90	5,072.98	-415.62	-2,521.73	2,187.43	3,337.19	0.62	0.00	-0.63
8,186.00	89.40	140.20	5,073.57	-415.03	-2,545.49	2,207.33	3,368.18	3.37	3.23	0.97
8,218.00	89.50	140.10	5,073.88	-414.72	-2,570.05	2,227.84	3,400.18	0.44	0.31	-0.31
8,249.00	89.60	140.10	5,074.12	-414.48	-2,593.83	2,247.72	3,431.18	0.32	0.32	0.00
8,281.00	89.80	139.80	5,074.29	-414.31	-2,618.33	2,268.31	3,463.18	1.13	0.63	-0.94
8,344.00	89.20	139.20	5,074.84	-413.76	-2,666.23	2,309.23	3,526.16	1.35	-0.95	-0.95
8,375.00	88.90	139.30	5,075.35	-413.25	-2,689.71	2,329.46	3,557.15	1.02	-0.97	0.32
8,407.00	88.80	139.40	5,076.00	-412.60	-2,713.99	2,350.30	3,589.14	0.44	-0.31	0.31
8,438.00	89.20	138.90	5,076.54	-412.06	-2,737.43	2,370.57	3,620.13	2.07	1.29	-1.61
8,470.00	90.40	138.50	5,076.65	-411.95	-2,761.47	2,391.69	3,652.11	3.95	3.75	-1.25
8,502.00	90.90	138.00	5,076.29	-412.31	-2,785.34	2,413.00	3,684.08	2.21	1.56	-1.56
8,565.00	90.30	137.50	5,075.63	-412.97	-2,831.97	2,455.36	3,747.01	1.24	-0.95	-0.79
8,628.00	91.00	137.90	5,074.91	-413.69	-2,878.57	2,497.75	3,809.92	1.28	1.11	0.63
8,660.00	91.30	137.20	5,074.27	-414.33	-2,902.17	2,519.35	3,841.88	2.38	0.94	-2.19
8,691.00	91.40	136.50	5,073.54	-415.06	-2,924.78	2,540.54	3,872.80	2.28	0.32	-2.26
8,754.00	92.50	137.60	5,071.40	-417.20	-2,970.87	2,583.44	3,935.65	2.47	1.75	1.75
8,818.00	92.80	138.40	5,068.44	-420.16	-3,018.38	2,626.22	3,999.52	1.33	0.47	1.25
8,849.00	92.20	137.40	5,067.08	-421.52	-3,041.36	2,646.98	4,030.46	3.76	-1.94	-3.23



Phoenix Technology Services
Survey Report



Database:	RMR Compass DB	Local Co-ordinate Reference:	Well RW 23-19B
Company:	QEP Energy Company	TVD Reference:	Well @ 5488.60usft (OWE)
Project:	Uintah Co., UT	MD Reference:	Well @ 5488.60usft (OWE)
Site:	Sec.19-T7S-R23E	North Reference:	True
Well:	RW 23-19B	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Job Number	Wellbore #1		

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	Subsea Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,912.00	90.00	137.20	5,065.87	-422.73	-3,087.65	2,689.70	4,093.34	3.51	-3.49	-0.32
8,944.00	91.20	137.50	5,065.54	-423.06	-3,111.18	2,711.38	4,125.29	3.87	3.75	0.94
9,007.00	90.70	137.80	5,064.50	-424.10	-3,157.73	2,753.81	4,188.21	0.93	-0.79	0.48
9,038.00	90.00	138.10	5,064.31	-424.29	-3,180.75	2,774.57	4,219.17	2.46	-2.26	0.97
9,102.00	93.20	139.10	5,062.52	-426.08	-3,228.73	2,816.87	4,283.10	5.24	5.00	1.56
9,133.00	92.90	139.00	5,060.87	-427.73	-3,252.11	2,837.16	4,314.05	1.02	-0.97	-0.32
9,196.00	90.60	136.20	5,058.95	-429.65	-3,298.61	2,879.62	4,376.93	5.75	-3.65	-4.44
9,228.00	89.50	135.80	5,058.92	-429.68	-3,321.63	2,901.85	4,408.83	3.66	-3.44	-1.25
9,259.00	91.00	135.30	5,058.78	-429.82	-3,343.75	2,923.55	4,439.71	5.10	4.84	-1.61
9,322.00	90.70	134.60	5,057.85	-430.75	-3,388.26	2,968.14	4,502.41	1.21	-0.48	-1.11
9,354.00	90.90	134.10	5,057.40	-431.20	-3,410.62	2,991.02	4,534.22	1.68	0.63	-1.56
9,417.00	89.80	133.60	5,057.02	-431.58	-3,454.27	3,036.45	4,596.79	1.92	-1.75	-0.79
9,449.00	90.00	133.50	5,057.07	-431.53	-3,476.32	3,059.64	4,628.56	0.70	0.63	-0.31
9,481.00	91.80	133.80	5,056.57	-432.03	-3,498.40	3,082.79	4,660.32	5.70	5.63	0.94
9,512.00	93.70	133.20	5,055.08	-433.52	-3,519.71	3,105.25	4,691.05	6.43	6.13	-1.94
9,576.00	95.20	132.40	5,050.12	-438.48	-3,563.06	3,152.07	4,754.28	2.65	2.34	-1.25
9,608.00	95.60	132.30	5,047.10	-441.50	-3,584.53	3,175.61	4,785.82	1.29	1.25	-0.31
9,639.00	94.70	132.10	5,044.32	-444.28	-3,605.27	3,198.48	4,816.37	2.97	-2.90	-0.65
9,661.00	94.40	131.40	5,042.58	-446.02	-3,619.87	3,214.84	4,838.04	3.45	-1.36	-3.18
Projection To Bit										
9,716.00	94.40	131.40	5,038.36	-450.24	-3,656.13	3,255.98	4,892.19	0.00	0.00	0.00

Survey Annotations				
Measured Depth (')	Vertical Depth (')	Local Coordinates		Comment
		+N/-S (')	+E/-W (')	
9,716.00	5,038.36	-3,656.13	3,255.98	Projection To Bit

Checked By: _____ Approved By: _____ Date: _____



Project: Uintah Co., UT
 Site: Sec.19-T7S-R23E
 Well: RW 23-19B
 Wellbore: Wellbore #1
 Design: Wellbore #1

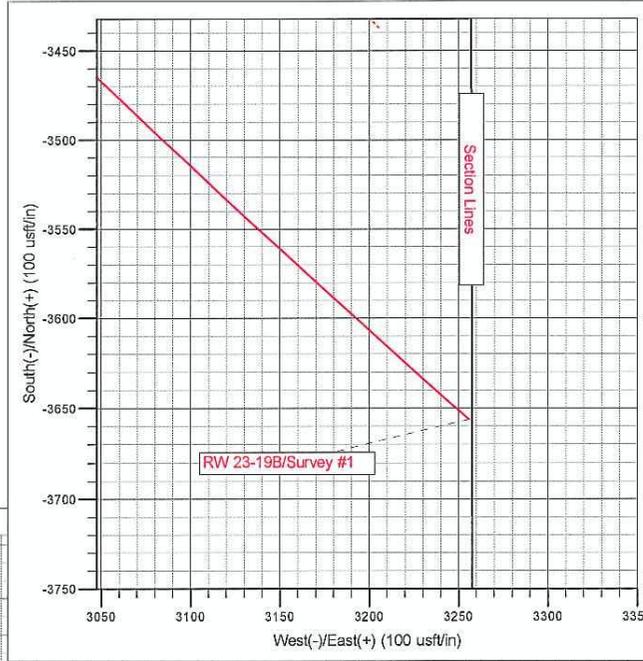


WELL DETAILS: RW 23-19B

		Ground Level: 5465.80					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot	
0.00	0.00	7245954.340	2234797.630	40.192610	-109.372082		

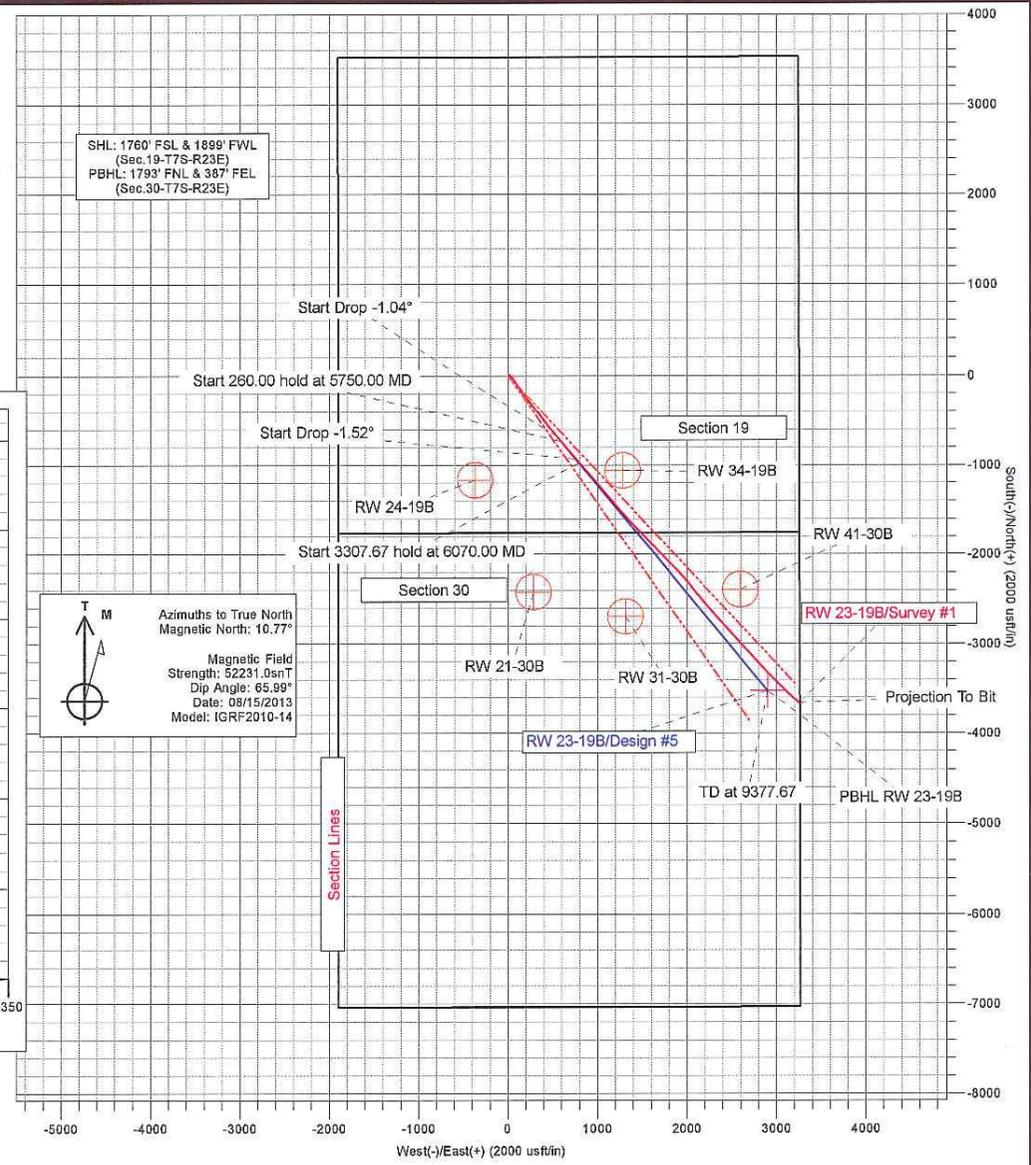
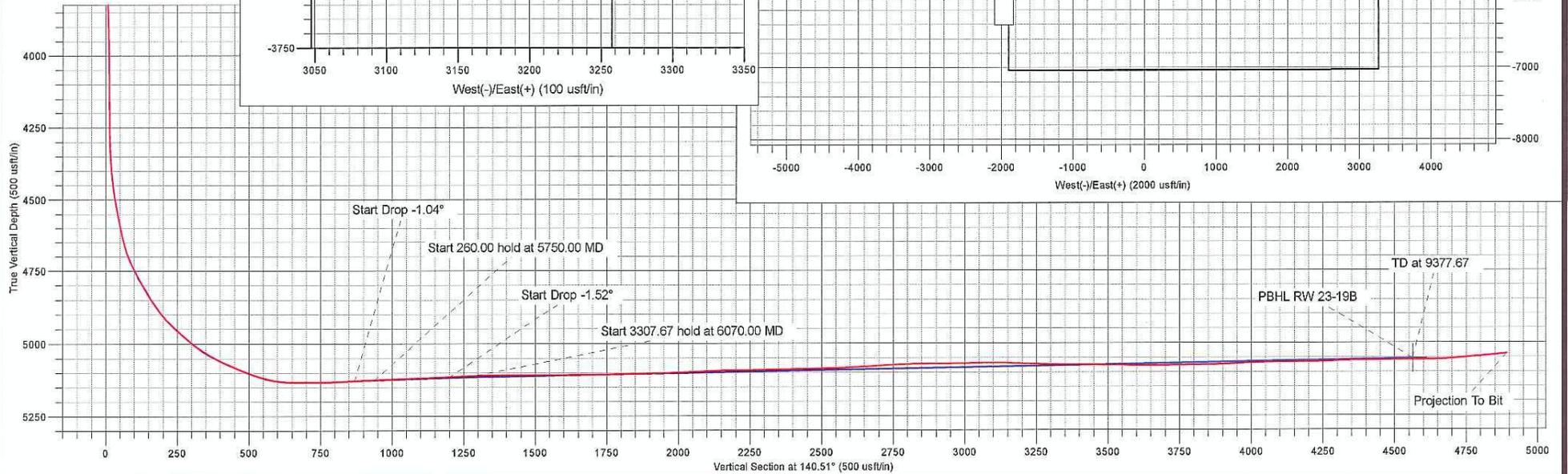
WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
RW 21-30B	-7.20	-2419.04	282.89	40.185972	-109.371069	Circle (Radius: 200.00)
RW 24-19B	-7.20	-1165.28	-371.43	40.189411	-109.373411	Circle (Radius: 200.00)
RW 31-30B	-7.20	-2691.13	1310.27	40.185222	-109.367392	Circle (Radius: 200.00)
RW 34-19B	-7.20	-1057.83	1277.69	40.189706	-109.367508	Circle (Radius: 200.00)
RW 41-30B	-7.20	-2388.48	2593.84	40.186053	-109.362797	Circle (Radius: 200.00)
PBHL RW 23-19B	5053.23	-3521.42	2901.91	40.182942	-109.361695	Point



Survey: Survey #1 (RW 23-19B/Wellbore #1)

Created By: M. Ramich
 Date: 11:03, October 16 2013



API Well Number: 43047517250000

RECEIVED: NOV. 25, 2013

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU02030
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: RED WASH
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: RW 23-19B
2. NAME OF OPERATOR: QEP ENERGY COMPANY	9. API NUMBER: 43047517250000
3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078	PHONE NUMBER: 303 595-5919 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1760 FSL 1899 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 19 Township: 07.0S Range: 23.0E Meridian: S	9. FIELD and POOL or WILDCAT: RED WASH 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: 8/1/2016 <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 checked="" 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.

QEP ENERGY COMPANY REQUESTS APPROVAL TO PLUG AND ABANDON THE RW 23-19B. PLEASE SEE ATTACHED PROCEDURES TO PLUG AND ABANDON. FINAL RECLAMATION OF THIS SITE WILL COMMENCE WITHIN ONE YEAR OF PLUGGING THE WELL.

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

Date: June 15, 2016
 By: *Dark Duff*

NAME (PLEASE PRINT) Jan Nelson	PHONE NUMBER 435 781-4331	TITLE Permit Agent
SIGNATURE N/A	DATE 6/13/2016	

Plug and Abandon			
Well Name:	RW 23-19B	AFE:	PLG-00301
Field:	Red Wash	CC Well Code:	302836001
Location:	NE¼SW¼ S19-T7S-R23E		
County:	Uintah	State:	Utah
API:	43-047-51725		
WI:	100.00%		
NRI:	86.17%		
Well Data:	TD: 9,716	PBTD: 5,841	
	GL: 5,466	KBE: 5,489	

Casing & Cementing:

Surface: 12 1/4" Hole Size
9-5/8" 36#, J-55 set @ 524'
Cement w/ 300 sks, good cement at surface

Intermediate: 8 3/4" Hole Size
7" 26# N-80, set @ 4626' GL
Cement w/ 790 sks
Estimated TOC @ 250'

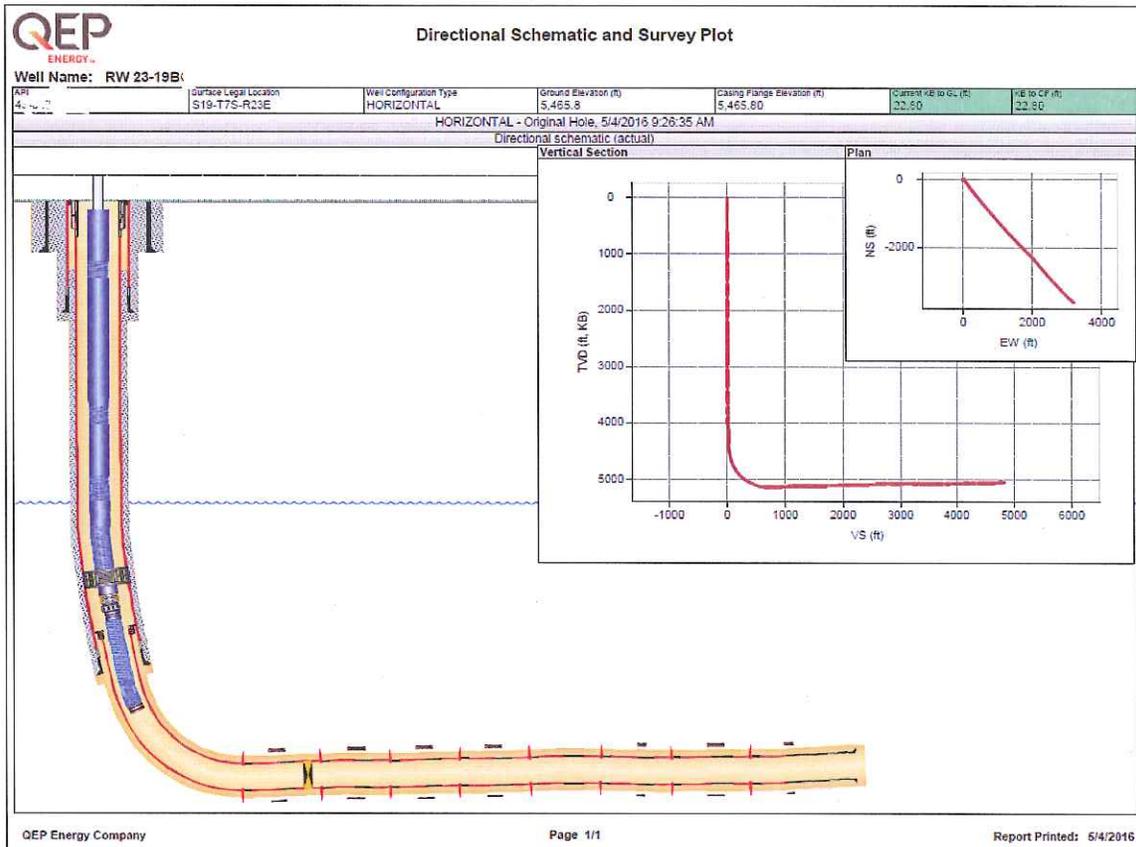
Production Liner: 6 1/8" Hole Size
4 1/2" 11.6# HCP-110, set @ 4545' to 9695'
Openhole sleeves and packers

Perforations:	OPEN	EXCLUDED	
All openings are	5744'	6261'	8411'
sliding sleeves		6778'	9051'
		7254'	9651'
Top GR @ 3074'	Depth to BMSW @ 5,000'	7769'	

Operation: Plug and Abandon

Program:

MIRU service unit, kill well if necessary, ND WH and NU BOP
Pooch laying down rods
Release TAC and POOH laying down 2-7/8" tubing
PU work string and 7" CICR, RIH and set CICR at 4500' KB
Roll hole with water treated with corrosion inhibitor and biocide
Stab into CICR and pump 150 sacks below, unstab and pump 15 sacks on top
Lay down 8 joints and reverse circulate to clear tubing
Pressure test casing and plug to 1000psi for 15 minutes w/ <10% drop
POOH laying down tubing to ~3125'
Pump a 25 sack balanced plug from 3126'-3024'
Lay down 8 joints and reverse circulate to clear tubing
Tag cement at 3106', POOH w/ tubing
RU wireline, perforate the casing at 580', RD wireline
RD BOP, RU pumping adapter, establish circulation down production casing up surface casing
Circulate ~205 sacks of cement until good cement at surface
Cut off wellhead 3' below ground, top off cement as needed and weld on a 1/4" plate cap w/ weep hole
Cap information requirements
QEP Resources
Lease serial number
Well number
Sec. Twnshp, and Range
GPS wellhead location and note on report
Clean up location, RDMO



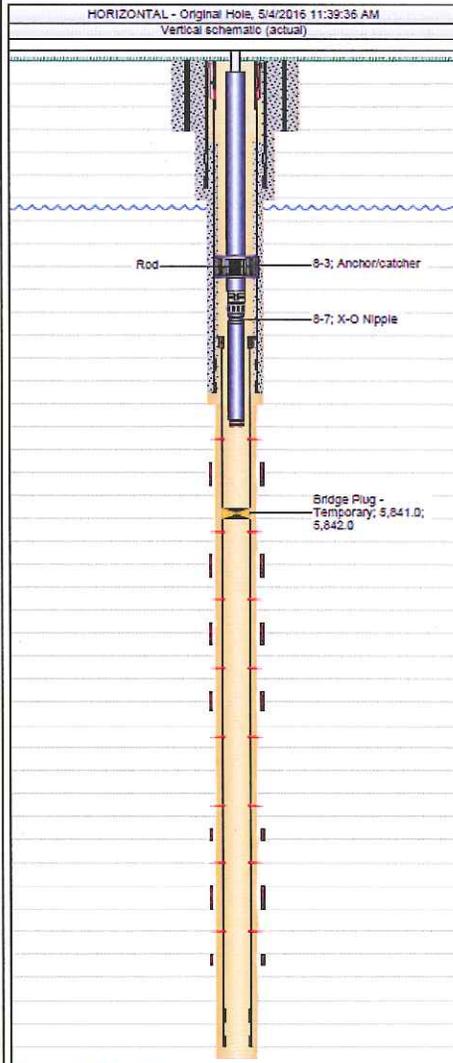


Downhole Well Profile+

Well Name: RW 23-19B

API #	Surface Legal Location	Field Name	County	State	Well Configuration Type
UT102832	S19-T7S-R23E	RED WASH	UINTAH	UTAH	HORIZONTAL
Unique Well ID	Gr Elev (ft)	Current Elevation	KB to CP (ft)	Spud Date	Dry Hole TD Date
UT102832	5,466.8	5,489.80, SST 54 - KB 22.8	22.80	8/13/2013 08:00	9/8/2013 14:00
			Total Depth (A) (ft, KB)		
			Original Hole - 9,716.0		

Type	Make	Working Pressure (psi)	Max Pres (psi)	Start Date	End Date
IC2L	CAMERON	5,000.0		8/17/2013	



Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Set Depth (ft, KB)
CONDUCTOR	18	84.00	J-55		62.8
SURFACE CASING	9 5/8	36.00	J-55	LT&C	523.8
INTERMEDIATE CASING	7	26.00	N-80		4,626.0
PRODUCTION LINER	4 1/2	11.80	HCP-110		9,686.0

Date	Top (ft, KB)	Strm (ft, KB)	Linked Zone
9/30/2013	5,744	5,745	GREEN RIVER, Original Hole
9/30/2013	6,261	6,262	GREEN RIVER, Original Hole
9/30/2013	6,778	6,779	GREEN RIVER, Original Hole
9/30/2013	7,254	7,255	GREEN RIVER, Original Hole
9/30/2013	7,769	7,770	GREEN RIVER, Original Hole
9/30/2013	8,411	8,412	GREEN RIVER, Original Hole
9/30/2013	9,051	9,052	GREEN RIVER, Original Hole
9/30/2013	9,651	9,652	GREEN RIVER, Original Hole

Tubing Description	Run Date	String Length (ft)	Set Depth (ft, KB)
Tubing - Production	12/17/2014	4,701.49	4,724.4

Item Des	Jts	Make	Model	OD (in)	Wt (lb/ft)	Grade	Len (ft)
Stretch Correction	1						1.60
Tubing	14		T&C Upset	2 7/8	6.50	J-55	4,435.26
Anchor/catcher	1			7			2.40
Tubing	1		T&C Upset	2 7/8	6.60	J-55	31.60
Tubing Pump 2 3/4"	1			2 3/4			31.63
Desander	1			2 7/8			2.95
X-O Nipple	1			2 3/8			0.78
Tubing	6		T&C Non-Upset	2 3/8	4.60	J-55	194.89
Bull Plug	1			2 3/8			0.58

Rod Description	Run Date	String Length (ft)	Set Depth (ft, KB)
Rod	12/17/2014	4,481.00	4,481.0

Item Des	Jts	Make	Model	OD (in)	Wt (lb/ft)	Grade	Len (ft)
Polished Rod	1	Norris	Alloy Steel	1 1/2			28.00
Pony Rod	1			7/8	2.22	EL	2.00
Pony Rod	1			7/8	2.22	MMS High	2.00
Sucker Rod	18	Norris	Grade 90	7/8	2.22	MMS HIGH STRE NGT H	4,125.00
Sucker Rod	12	Norris	Grade 75	1	2.90	D	300.00
Pony Rod	1			1	2.90	D	2.00
On-Off tool	1			1			1.00
Tubing Pump pull rod	1			1			3.00

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: UTU02030
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Gas Well		7. UNIT or CA AGREEMENT NAME: RED WASH
2. NAME OF OPERATOR: QEP ENERGY COMPANY		8. WELL NAME and NUMBER: RW 23-19B
3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078		9. API NUMBER: 43047517250000
PHONE NUMBER: 303 595-5919 Ext		9. FIELD and POOL or WILDCAT: RED WASH
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1760 FSL 1899 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 19 Township: 07.0S Range: 23.0E 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 type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/31/2016	<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 checked="" type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

QEP Energy Company plugged this well on 08/31/2016 as follows. Set CICR at 4,480'. Pressure test passed. Pumped 150 sacks below and 15 sacks on top. Pumped a balanced plug from 3020'-3120'. Pumped a balanced plug from 460'-590'. Perforated at 100' and established circulation. Filled production and backside with cement from surface to 100' Welded on dryhole marker with relevant information. BLM witness on location was Jake Reary. GPS Coordinates: Latitude 40.192540, Longitude -109.372106 All cement was Class G

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
September 07, 2016**

NAME (PLEASE PRINT) Jan Nelson	PHONE NUMBER 435 781-4331	TITLE Permit Agent
SIGNATURE N/A	DATE 9/6/2016	