

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

SUBMIT IN TRIPLICATE\*

FORM APPROVED  
OMB NO. 1040-0136  
Expires: February 28, 1995

**001**

**APPLICATION FOR PERMIT TO DRILL OR DEEPEN**

TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. UTU-073902
TYPE OF WELL <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
2. NAME OF OPERATOR QEP UINTA BASIN, INC.		7. UNIT AGREEMENT NAME N/A
3. ADDRESS 11002 E. 17500 S. Vernal, Ut 84078		8. FARM OR LEASE NAME, WELL NO. GBX 2MU-3-8-22
Contact: Jan Nelson E-Mail: jan.nelson@questar.com		9. API WELL NO. 43-047-36317
Telephone number Phone 435-781-4331 Fax 435-781-4323		10. FIELD AND POOL, OR WILDCAT UNDESIGNATED
4. LOCATION OF WELL (Report location clearly and in accordance with and State requirements*) At Surface 634170Y 4446378Y 680' FNL, 2431' FEL, NE 1/4 (LOT 2) 40.158941 At proposed production zone 1338' FNL, 1979' FEL NWNE (LOT 7) -109.424595		11. SEC., T, R, M, OR BLK & SURVEY OR AREA SEC 3 T8S R22E Mer SLB
14. DISTANCE IN MILES FROM NEAREST TOWN OR POSTOFFICE* 31 +/- FROM VERNAL, UTAH		12. COUNTY OR PARISH 13. STATE Uintah UT
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (also to nearest drig, unit line if any) 1338' +/- Bottom Hole	16. NO. OF ACRES IN LEASE 121.13	17. NO. OF ACRES ASSIGNED TO THIS WELL 40
18. DISTANCE FROM PROPOSED location to nearest well, drilling, completed, applied for, on this lease, ft 1500' +/-	19. PROPOSED DEPTH 10125' TVD 10218' MD	20. BLM/BIA Bond No. on file ESB000024
21. ELEVATIONS (Show whether DF, RT, GR, ect.) 5233.7 GR	22. DATE WORK WILL START ASAP	23. Estimated duration 10 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:

- |  |  |
|--|--|
| <ol style="list-style-type: none"> <li>1. Well plat certified by a registered surveyor.</li> <li>2. A Drilling Plan</li> <li>3. A surface Use Plan ( if location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).<br/>BHL 634310 X 40.157137<br/>4446180Y -109.422993</li> </ol> | <ol style="list-style-type: none"> <li>4. Bond to cover the operations unless covered by an exisiting bond on file (see Item 20 above).</li> <li>5. Operator certification.</li> <li>6. Such other site specific information and/or plans as may be required by the authorized officer.</li> </ol> |
|--|--|

**RECEIVED  
FEB 22 2005**

SIGNED Jan Nelson Name (printed/typed) Jan Nelson DIV. OF OIL, GAS & MINING DATE February 4, 2005  
TITLE Regulatory Affairs Analyst

(This space for Federal or State office use)

PERMIT NO. 43-047-36317 APPROVAL DATE \_\_\_\_\_

Application approval does not warrant or certify the applicant holds any 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:

APPROVED BY Bradley G. Hill TITLE BRADLEY G. HILL  
ENVIRONMENTAL SCIENTIST III

DATE 02-24-05

\*See Instructions On Reverse Side

Title 18 U.S.C Section 1001, makes 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 mater within its jurisdiction

**Federal Approval of this  
Action is Necessary**

# T8S, R22E, S.L.B.&M.

# QUESTAR EXPLR. & PROD.

1938 Brass Cap,  
1.2' High, Pile  
of Stones

1938 Brass Cap  
1.1' High, Pile  
of Stones

1938 Brass Cap,  
0.4' High, Pile of  
Stones

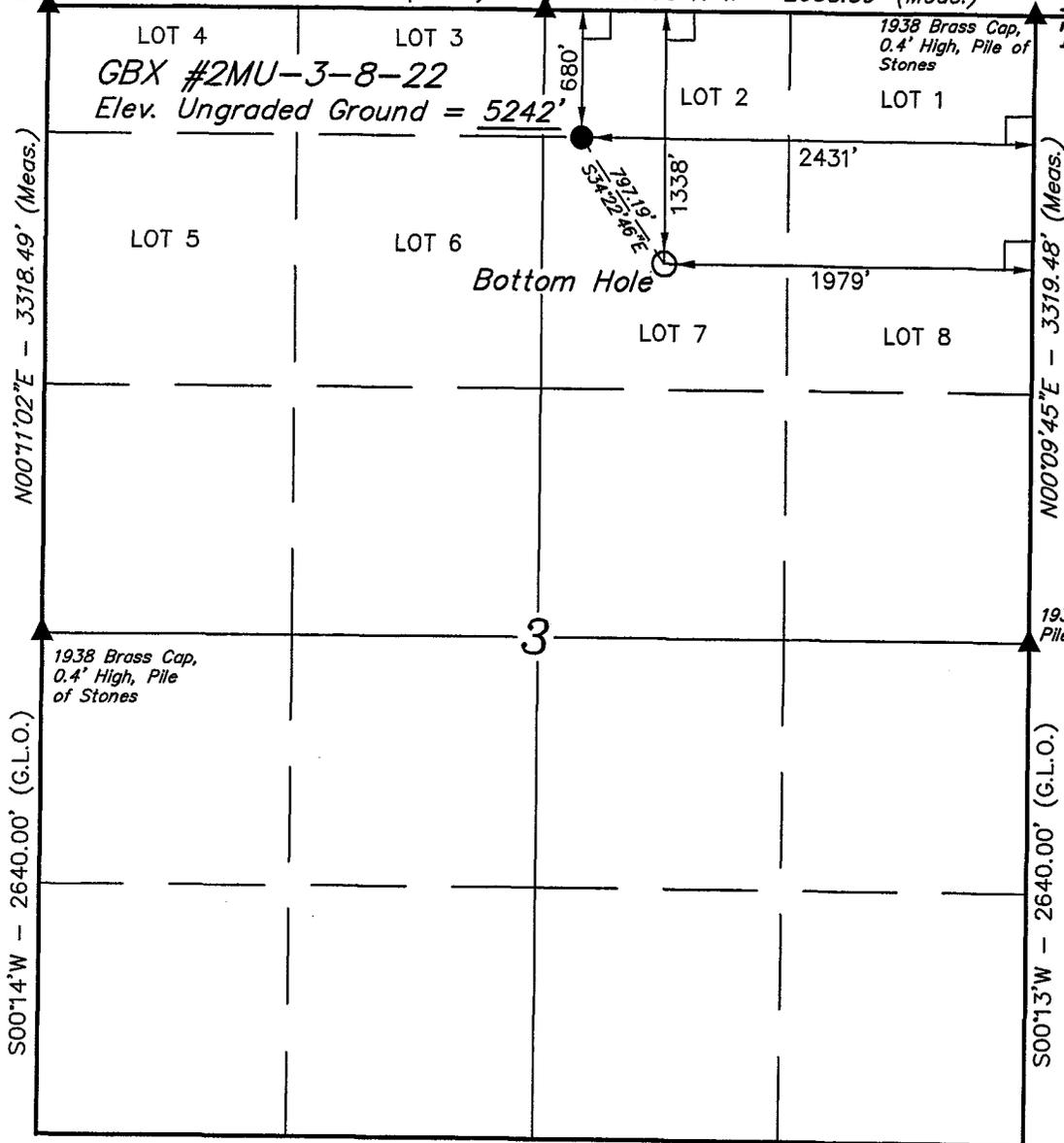
Well location, GBX #2MU-3-8-22, located as shown in the NE 1/4 (LOT 2) of Section 3, T8S, R22E, S.L.B.&M. Uintah County, Utah.

## BASIS OF ELEVATION

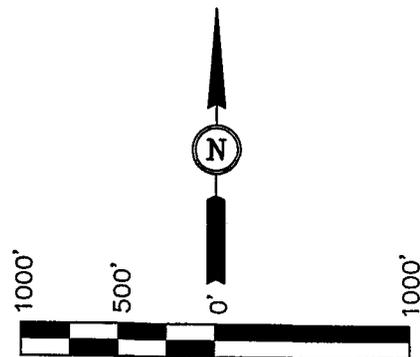
BENCH MARK 20EAM LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE, QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4697 FEET.

## BASIS OF BEARINGS

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



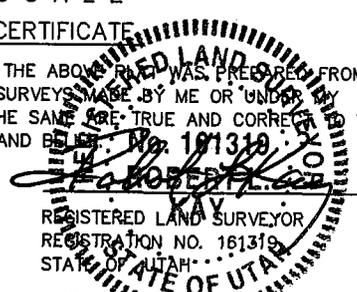
1938 Brass Cap,  
Pile of Stones



SCALE

CERTIFICATE

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



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

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

WEST - 5280.00' (G.L.O.)  
(NAD 83)  
LATITUDE = 40°09'31.98" (40.158883)  
LONGITUDE = 109°25'31.30" (109.425361)  
(NAD 27)  
LATITUDE = 40°09'32.11" (40.158919)  
LONGITUDE = 109°25'28.83" (109.424675)

SCALE 1" = 1000'	DATE SURVEYED: 12-8-04	DATE DRAWN: 12-10-04
PARTY D.A. T.C. K.G.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE QUESTAR EXPLR. & PROD.	

**Additional Operator Remarks**

QEP, Uinta Basin Inc. proposes to directional drill a well to 10218' to test the MesaVerde. 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"

See attached 8-point drilling program.

See Multi point surface use program.

Please be advised that QEP, Uinta Basin Inc. 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, Uinta Basin Inc. via surety as consent as provided for the 43 CFR 3104.2.

## DRILLING PROGRAM

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

1. Formation Tops

The estimated tops of important geologic markers are as follows:

<b>Formation</b>	<b>TVD Depth</b>	<b>MD Depth</b>
Uinta	Surface	Surface
Kickoff Point	2000'	2000'
Green River	2914'	2915'
Mahogany	3934'	3944'
Wasatch	6516'	6609'
Mesa Verde	9200'	9293'
TD	10125'	10218'

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:

<b>Substance</b>	<b>Formation</b>	<b>TVD</b>	<b>MD</b>
Oil/Gas	Mesa Verde	10125'	10218'

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.

DRILLING PROGRAM

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 no 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 #36125 or Red Wash Water right # 49-2153 where possible a fresh water line (poly pipe) will be laid in the access road to each location to supply fresh water for drilling purposes.

All waste water resulting from drilling operations will be disposed of at Red Wash Disposal Site located NESW Section 28, T7S, R22E.

3. Operator's Specification for Pressure Control Equipment:

- A. 5,000 psi W.P. Double Gate BOP or Single Gate BOP (schematic attached)
- B. Functional test daily
- C. All casing strings shall be pressure tested (0.2 psi/foot or 1500 psi, or 70% of the burst whichever is greater) prior to drilling the plug after cementing; test pressure shall not exceed the internal yield pressure of the casing.
- D. 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 Program

	<u>Depth</u>	<u>Hole Size</u>	<u>Csg Size</u>	<u>Type</u>	<u>Weight</u>
Surface	450'	12 1/4"	9-5/8"	J-55	36 lb/ft (new) LT&C
Intermediate	6634'	8 3/4"	7"	J-55	26lb/ft (new) LT&C
Production	618'	6 1/8"	4 1/2"	P-110	11.60lb/ft (new) T&C
Production	9600'	6 1/8"	4 -1/2"	M-80	11.60 lb/ft (new)LT&C
TD	10218'				

DRILLING PROGRAM

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5. Auxiliary Equipment

- A. Kelly Cock – yes
- B. Float at the bit – no
- C. Monitoring equipment on the mud system – visually and/or PVT/Flow Show
- D. Full opening safety valve on the rig floor – yes
- E. Rotating Head – yes  
If drilling with air the following will be used:
- F. The blooie line shall be at least 6” in diameter and extend at least 100’ from the well bore into the reserve/blooie pit.
- G. Blooie line ignition shall be provided by a continuous pilot (ignited when drilling below 500’).
- H. Compressor shall be tied directly to the blooie line through a manifold.
- I. A mister with a continuous stream of water shall be installed near the end of the blooie lines for dust suppression.

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

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

PVT/Flow Show will be used from base of surface casing to TD.

Gas detector will be used from surface casing depth to TD.

DRILLING PROGRAM

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6. Testing, logging and coring program

A. Cores – none anticipated

B. DST – none anticipated

Logging – Mud logging – 4500 to TD  
GR-SP-Induction  
Neutron Density  
MRI

C. Formation and Completion Interval: Mesa Verde interval, final determination of completion will be made by analysis of logs.  
Stimulation – Stimulation will be designed for the particular area of interest as encountered.

7. Cementing Program

<u>Casing</u>	<u>Volume</u>	<u>Type &amp; Additives</u>
Surface	208sx	Class “G” single slurry mixed to 15.6 ppg, yield = 1.19 cf/sx. Fill to surface with 160 cf (685 sx) calculated. Tail plug used. Allowed to set under pressure
Intermediate	Lead-776sx* Tail-49sx*	Lead/Tail oilfield type cement circulated in place . Tail slurry: Class “G” + gilsonite and additives as required, mixed to 14.8 ppg, yield = 1.34 cf/sx. Fill to 5634’ Top of Tail.  Cement Characteristics: Lead slurry: Class “G” + extender and additives as required, mixed to 11.0 ppg, yield = 3.82 cf/sx. Fill to surface. Tail plug used. Allowed to set under pressure.

DRILLING PROGRAM

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Production      Lead-471sx\*  
                     Tail-120sx\*

Lead/Tail oilfield type cement circulated in place .  
Tail slurry: Class "G" + gilsonite and additives as  
required, mixed to 14.8 ppg, yield = 1.34 cf/sx. Fill  
to 6110' (±500' above top of Wasatch).

Cement Characteristics:

Lead slurry: Class "G" + extender and additives as  
required, mixed to 11.0 ppg, yield = 3.82 cf/sx. Fill  
to surface. Tail plug used. Allowed to set under  
pressure.

8. Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards

No abnormal temperatures or pressures are anticipated. No H2S has been encountered in  
or known to exist from previous wells drilled to similar depths in the general area.  
Maximum anticipated bottom hole pressure equals approximately 4431.0 psi. Maximum  
anticipated bottom hole temperature is 140° F.

13 5/8" Rotating Head

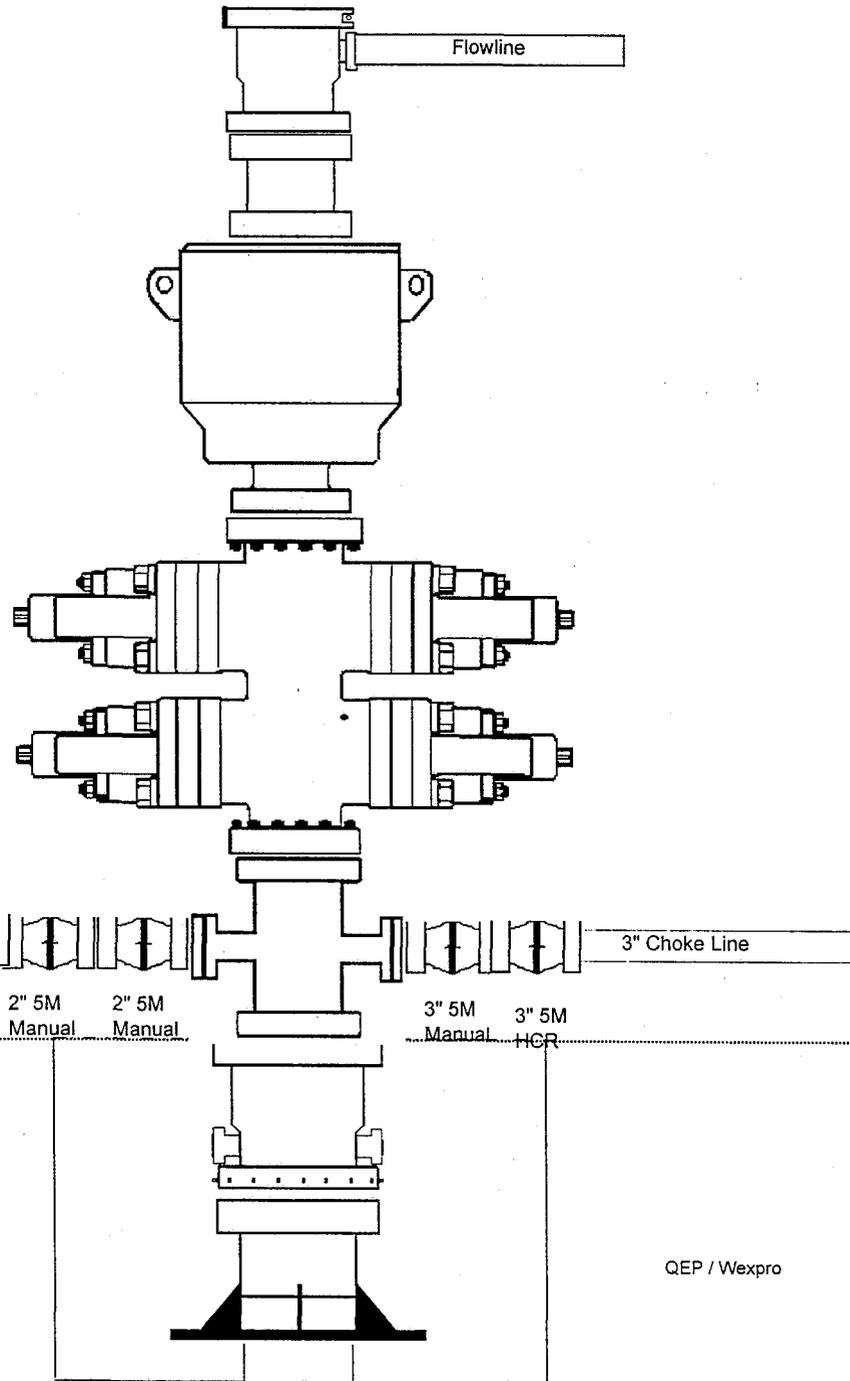
13 5/8" 5M Spacer Spool

13 5/8" 5M Annular

13 5/8" 5M Double Ram

13 5/8" 5M x 5M Multi-Bowl Head

13 3/8" 5M Casing Head



2" Kill Line

Flowline

3" Choke Line

G.L.

2" 5M Check Manual  
2" 5M Manual  
2" 5M Manual

3" 5M Manual  
3" 5M HCR

QEP / Wexpro

**Weatherford**  
Azimuths to True North  
Magnetic North: 11.89°



**SITE DETAILS**

GBX #2MU-3-8-22  
Sec 3 T8S R22E  
680' FNL & 1979' FEL

Magnetic Field  
Strength: 53116nT  
Dip Angle: 66.18°  
Date: 1/19/2005  
Model: igrf2005

**SECTION DETAILS**

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	145.51	0.0	0.0	0.0	0.00	0.00	0.0	
2	2000.0	0.00	145.51	2000.0	0.0	0.0	0.00	0.00	0.0	
3	5587.9	20.12	145.51	5514.6	-513.9	353.0	0.56	145.51	623.5	
4	6593.8	0.00	145.51	6500.0	-658.0	452.0	2.00	180.00	798.3	
5	10218.8	0.00	145.51	10125.0	-658.0	452.0	0.00	0.00	798.3	BHL

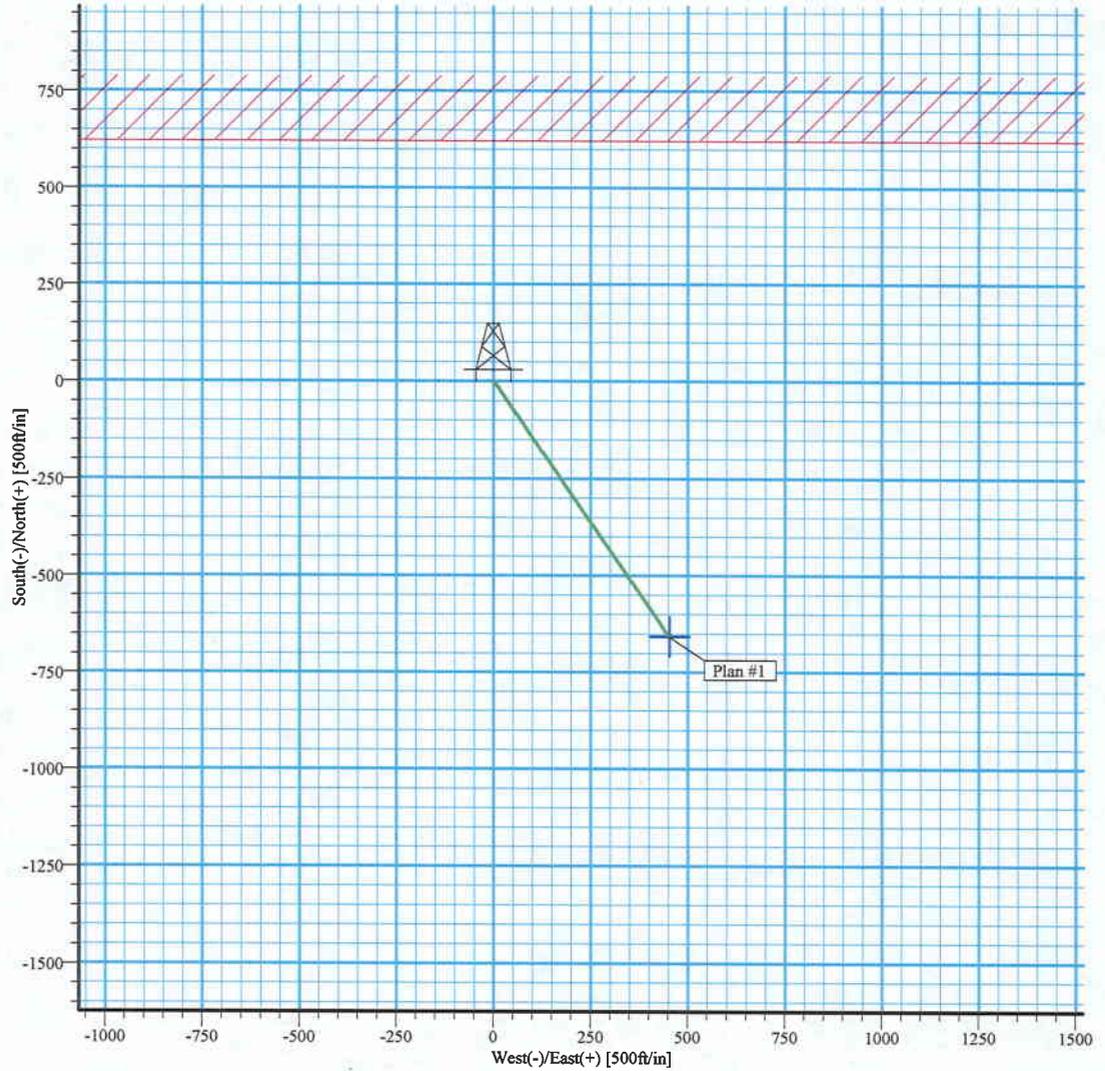
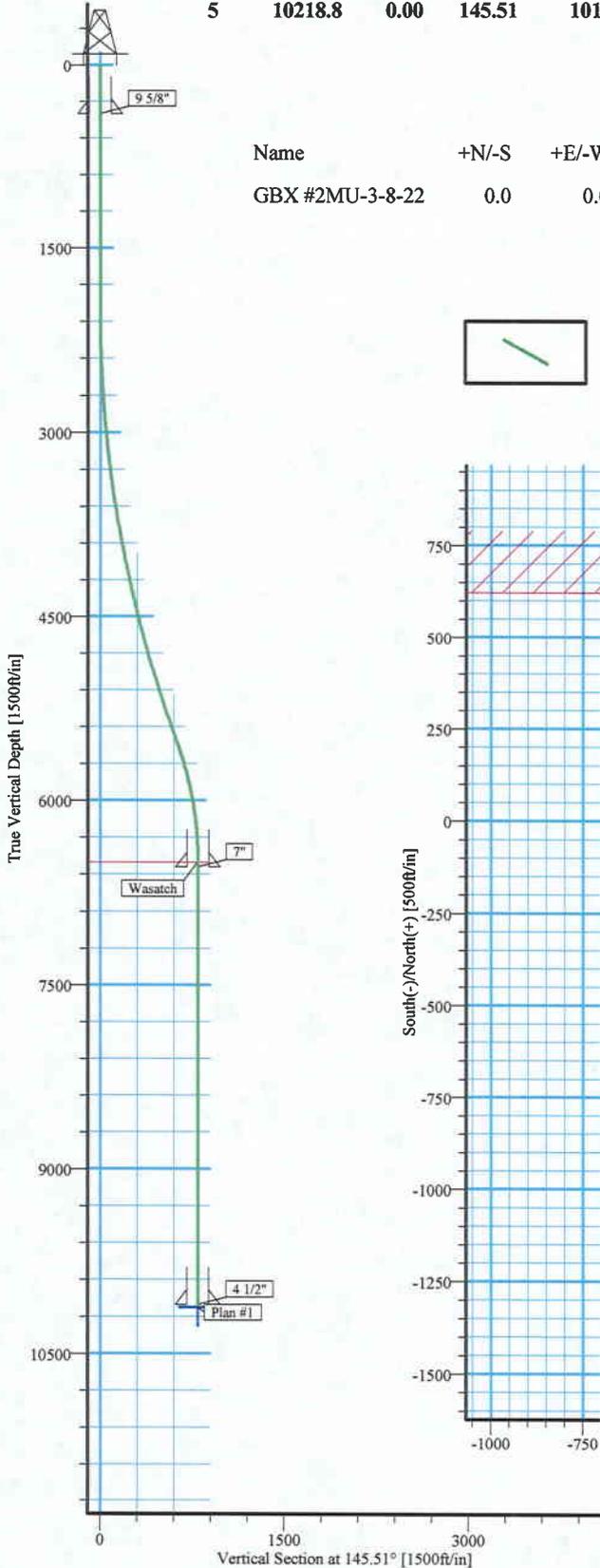
Water Depth: 0.0  
Positional Uncertainty: 0.0  
Convergence: 1.37

**WELL DETAILS**

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
GBX #2MU-3-8-22	0.0	0.0	3224203.36	2220333.01	40°09'31.980N	109°25'31.300W	N/A

**CASING DETAILS**

No.	TVD	MD	Name	Size
1	400.0	400.0	9 5/8"	9.625
2	6540.0	6633.8	7"	7.000
3	10100.0	10193.8	4 1/2"	4.500



Plan: Plan #1 (GBX #2MU-3-8-22/1)

Created By: Steve Schmitz

Date: 1

# Weatherford Planning Report

<b>Company:</b> Questar E & P	<b>Date:</b> 1/20/2005	<b>Time:</b> 07:42:05	<b>Page:</b> 1
<b>Field:</b> Uintah Basin NAD 1983	<b>Co-ordinate(NE) Reference:</b> Site: GBX #2MU-3-8-22, True North		
<b>Site:</b> GBX #2MU-3-8-22	<b>Vertical (TVD) Reference:</b> SITE 0.0		
<b>Well:</b> GBX #2MU-3-8-22	<b>Section (VS) Reference:</b> Site (0.00N,0.00E,145.51Azi)		
<b>Wellpath:</b> 1	<b>Plan:</b> Plan #1		

<b>Field:</b> Uintah Basin NAD 1983 Utah	<b>Map Zone:</b> Utah, Northern Zone
<b>Map System:</b> US State Plane Coordinate System 1983	<b>Coordinate System:</b> Site Centre
<b>Geo Datum:</b> GRS 1980	<b>Geomagnetic Model:</b> igrf2005
<b>Sys Datum:</b> Mean Sea Level	

<b>Site:</b> GBX #2MU-3-8-22 Sec 3 T8S R22E 680' FNL & 1979' FEL			
<b>Site Position:</b>	<b>Northing:</b>	ft	<b>Latitude:</b>
<b>From:</b> Lease Line	<b>Easting:</b>	ft	<b>Longitude:</b>
<b>Position Uncertainty:</b> 0.0 ft			<b>North Reference:</b> True
<b>Ground Level:</b> 0.0 ft			<b>Grid Convergence:</b> 1.37 deg

<b>Well:</b> GBX #2MU-3-8-22	<b>Slot Name:</b>
<b>Well Position:</b>	<b>Well Position:</b>
+N/-S 0.0 ft	Northing: 3224203.36 ft
+E/-W 0.0 ft	Easting: 2220333.01 ft
Latitude: 40 9 31.980 N	Longitude: 109 25 31.300 W
<b>Position Uncertainty:</b> 0.0 ft	

<b>Wellpath:</b> 1	<b>Drilled From:</b> Surface
<b>Current Datum:</b> SITE	<b>Tie-on Depth:</b> 0.0 ft
<b>Magnetic Data:</b> 1/19/2005	<b>Above System Datum:</b> Mean Sea Level
<b>Field Strength:</b> 53116 nT	<b>Declination:</b> 11.89 deg
<b>Vertical Section:</b> Depth From (TVD)	<b>Mag Dip Angle:</b> 66.18 deg
ft	+N/-S
ft	+E/-W
ft	Direction
deg	deg
0.0	0.0
0.0	0.0
0.0	145.51

<b>Plan:</b> Plan #1	<b>Date Composed:</b> 1/19/2005
<b>Principal:</b> Yes	<b>Version:</b> 1
	<b>Tied-to:</b> From Surface

**Plan Section Information**

MD	Incl	Azim	TVD	+N/-S	+E/-W	DLS	Build	Turn	TFO	Target
ft	deg	deg	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	deg	
0.0	0.00	145.51	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
2000.0	0.00	145.51	2000.0	0.0	0.0	0.00	0.00	0.00	0.00	
5587.9	20.12	145.51	5514.6	-513.9	353.0	0.56	0.56	0.00	145.51	
6593.8	0.00	145.51	6500.0	-658.0	452.0	2.00	-2.00	0.00	180.00	
10218.8	0.00	145.51	10125.0	-658.0	452.0	0.00	0.00	0.00	0.00	BHL

**Section 1 : Start Hold**

MD	Incl	Azim	TVD	+N/-S	+E/-W	VS	DLS	Build	Turn	TFO
ft	deg	deg	ft	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	deg
0.0	0.00	145.51	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
100.0	0.00	145.51	100.0	0.0	0.0	0.0	0.00	0.00	0.00	145.51
200.0	0.00	145.51	200.0	0.0	0.0	0.0	0.00	0.00	0.00	145.51
300.0	0.00	145.51	300.0	0.0	0.0	0.0	0.00	0.00	0.00	145.51
400.0	0.00	145.51	400.0	0.0	0.0	0.0	0.00	0.00	0.00	145.51
500.0	0.00	145.51	500.0	0.0	0.0	0.0	0.00	0.00	0.00	145.51
600.0	0.00	145.51	600.0	0.0	0.0	0.0	0.00	0.00	0.00	145.51
700.0	0.00	145.51	700.0	0.0	0.0	0.0	0.00	0.00	0.00	145.51
800.0	0.00	145.51	800.0	0.0	0.0	0.0	0.00	0.00	0.00	145.51
900.0	0.00	145.51	900.0	0.0	0.0	0.0	0.00	0.00	0.00	145.51
1000.0	0.00	145.51	1000.0	0.0	0.0	0.0	0.00	0.00	0.00	145.51
1100.0	0.00	145.51	1100.0	0.0	0.0	0.0	0.00	0.00	0.00	145.51
1200.0	0.00	145.51	1200.0	0.0	0.0	0.0	0.00	0.00	0.00	145.51
1300.0	0.00	145.51	1300.0	0.0	0.0	0.0	0.00	0.00	0.00	145.51
1400.0	0.00	145.51	1400.0	0.0	0.0	0.0	0.00	0.00	0.00	145.51
1500.0	0.00	145.51	1500.0	0.0	0.0	0.0	0.00	0.00	0.00	145.51
1600.0	0.00	145.51	1600.0	0.0	0.0	0.0	0.00	0.00	0.00	145.51
1700.0	0.00	145.51	1700.0	0.0	0.0	0.0	0.00	0.00	0.00	145.51
1800.0	0.00	145.51	1800.0	0.0	0.0	0.0	0.00	0.00	0.00	145.51

# Weatherford Planning Report

<b>Company:</b> Questar E & P	<b>Date:</b> 1/20/2005	<b>Time:</b> 07:42:05	<b>Page:</b> 2
<b>Field:</b> Uintah Basin NAD 1983	<b>Co-ordinate(NE) Reference:</b> Site: GBX #2MU-3-8-22, True North		
<b>Site:</b> GBX #2MU-3-8-22	<b>Vertical (TVD) Reference:</b> SITE 0.0		
<b>Well:</b> GBX #2MU-3-8-22	<b>Section (VS) Reference:</b> Site (0.00N,0.00E,145.51Azi).		
<b>Wellpath:</b> 1	<b>Plan:</b>	<b>Plan #1</b>	

**Section 1 : Start Hold**

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
1900.0	0.00	145.51	1900.0	0.0	0.0	0.0	0.00	0.00	0.00	145.51
2000.0	0.00	145.51	2000.0	0.0	0.0	0.0	0.00	0.00	0.00	145.51

**Section 2 : Start Build 0.56**

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
2100.0	0.56	145.51	2100.0	-0.4	0.3	0.5	0.56	0.56	0.00	0.00
2200.0	1.12	145.51	2200.0	-1.6	1.1	2.0	0.56	0.56	0.00	0.00
2300.0	1.68	145.51	2300.0	-3.6	2.5	4.4	0.56	0.56	0.00	0.00
2400.0	2.24	145.51	2399.9	-6.5	4.4	7.8	0.56	0.56	0.00	0.00
2500.0	2.80	145.51	2499.8	-10.1	6.9	12.2	0.56	0.56	0.00	0.00
2600.0	3.36	145.51	2599.7	-14.5	10.0	17.6	0.56	0.56	0.00	0.00
2700.0	3.93	145.51	2699.5	-19.8	13.6	24.0	0.56	0.56	0.00	0.00
2800.0	4.49	145.51	2799.2	-25.8	17.7	31.3	0.56	0.56	0.00	0.00
2900.0	5.05	145.51	2898.8	-32.7	22.4	39.6	0.56	0.56	0.00	0.00
3000.0	5.61	145.51	2998.4	-40.3	27.7	48.9	0.56	0.56	0.00	0.00
3100.0	6.17	145.51	3097.9	-48.8	33.5	59.2	0.56	0.56	0.00	0.00
3200.0	6.73	145.51	3197.2	-58.0	39.9	70.4	0.56	0.56	0.00	0.00
3300.0	7.29	145.51	3296.5	-68.1	46.8	82.6	0.56	0.56	0.00	0.00
3400.0	7.85	145.51	3395.6	-78.9	54.2	95.8	0.56	0.56	0.00	0.00
3500.0	8.41	145.51	3494.6	-90.6	62.2	109.9	0.56	0.56	0.00	0.00
3600.0	8.97	145.51	3593.5	-103.0	70.8	125.0	0.56	0.56	0.00	0.00
3700.0	9.53	145.51	3692.2	-116.3	79.9	141.1	0.56	0.56	0.00	0.00
3800.0	10.09	145.51	3790.7	-130.3	89.5	158.1	0.56	0.56	0.00	0.00
3900.0	10.65	145.51	3889.1	-145.2	99.7	176.1	0.56	0.56	0.00	0.00
4000.0	11.21	145.51	3987.3	-160.8	110.5	195.1	0.56	0.56	0.00	0.00
4100.0	11.78	145.51	4085.2	-177.3	121.8	215.0	0.56	0.56	0.00	0.00
4200.0	12.34	145.51	4183.0	-194.5	133.6	235.9	0.56	0.56	0.00	0.00
4300.0	12.90	145.51	4280.6	-212.5	146.0	257.8	0.56	0.56	0.00	0.00
4400.0	13.46	145.51	4378.0	-231.3	158.9	280.6	0.56	0.56	0.00	0.00
4500.0	14.02	145.51	4475.1	-250.8	172.3	304.3	0.56	0.56	0.00	0.00
4600.0	14.58	145.51	4572.0	-271.2	186.3	329.0	0.56	0.56	0.00	0.00
4700.0	15.14	145.51	4668.7	-292.3	200.8	354.7	0.56	0.56	0.00	0.00
4800.0	15.70	145.51	4765.1	-314.3	215.9	381.3	0.56	0.56	0.00	0.00
4900.0	16.26	145.51	4861.2	-336.9	231.5	408.8	0.56	0.56	0.00	0.00
5000.0	16.82	145.51	4957.1	-360.4	247.6	437.3	0.56	0.56	0.00	0.00
5100.0	17.38	145.51	5052.7	-384.7	264.2	466.7	0.56	0.56	0.00	0.00
5200.0	17.94	145.51	5147.9	-409.7	281.4	497.0	0.56	0.56	0.00	0.00
5300.0	18.50	145.51	5242.9	-435.4	299.1	528.3	0.56	0.56	0.00	0.00
5400.0	19.07	145.51	5337.6	-462.0	317.4	560.5	0.56	0.56	0.00	0.00
5500.0	19.63	145.51	5432.0	-489.3	336.1	593.6	0.56	0.56	0.00	0.00
5587.9	20.12	145.51	5514.6	-513.9	353.0	623.5	0.56	0.56	0.00	0.00

**Section 3 : Start Drop -2.00**

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
5600.0	19.88	145.51	5526.0	-517.3	355.4	627.6	2.00	-2.00	0.00	180.00
5700.0	17.88	145.51	5620.6	-544.0	373.7	660.0	2.00	-2.00	0.00	180.00
5800.0	15.88	145.51	5716.3	-567.9	390.1	689.0	2.00	-2.00	0.00	180.00
5900.0	13.88	145.51	5812.9	-589.1	404.7	714.7	2.00	-2.00	0.00	180.00
6000.0	11.88	145.51	5910.4	-607.5	417.3	737.0	2.00	-2.00	0.00	180.00
6100.0	9.88	145.51	6008.6	-623.0	428.0	755.8	2.00	-2.00	0.00	180.00
6200.0	7.88	145.51	6107.4	-635.7	436.7	771.3	2.00	-2.00	0.00	-180.00
6300.0	5.88	145.51	6206.7	-645.6	443.5	783.2	2.00	-2.00	0.00	180.00
6400.0	3.88	145.51	6306.3	-652.6	448.3	791.7	2.00	-2.00	0.00	180.00
6500.0	1.88	145.51	6406.2	-656.7	451.1	796.8	2.00	-2.00	0.00	180.00
6593.8	0.00	145.51	6500.0	-658.0	452.0	798.3	2.00	-2.00	0.00	-180.00

# Weatherford Planning Report

Company: Questar E & P  
 Field: Uintah Basin NAD 1983  
 Site: GBX #2MU-3-8-22  
 Well: GBX #2MU-3-8-22  
 Wellpath: 1

Date: 1/20/2005 Time: 07:42:05 Page: 3  
 Co-ordinate(NE) Reference: Site: GBX #2MU-3-8-22, True North  
 Vertical (TVD) Reference: SITE 0.0  
 Section (VS) Reference: Site (0.00N,0.00E,145.51Azi)  
 Plan: Plan #1

**Section 4 : Start Hold**

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
6600.0	0.00	145.51	6506.2	-658.0	452.0	798.3	0.00	0.00	0.00	145.51
6633.8	0.00	145.51	6540.0	-658.0	452.0	798.3	0.00	0.00	0.00	145.51
6700.0	0.00	145.51	6606.2	-658.0	452.0	798.3	0.00	0.00	0.00	145.51
6800.0	0.00	145.51	6706.2	-658.0	452.0	798.3	0.00	0.00	0.00	145.51
6900.0	0.00	145.51	6806.2	-658.0	452.0	798.3	0.00	0.00	0.00	145.51
7000.0	0.00	145.51	6906.2	-658.0	452.0	798.3	0.00	0.00	0.00	145.51
7100.0	0.00	145.51	7006.2	-658.0	452.0	798.3	0.00	0.00	0.00	145.51
7200.0	0.00	145.51	7106.2	-658.0	452.0	798.3	0.00	0.00	0.00	145.51
7300.0	0.00	145.51	7206.2	-658.0	452.0	798.3	0.00	0.00	0.00	145.51
7400.0	0.00	145.51	7306.2	-658.0	452.0	798.3	0.00	0.00	0.00	145.51
7500.0	0.00	145.51	7406.2	-658.0	452.0	798.3	0.00	0.00	0.00	145.51
7600.0	0.00	145.51	7506.2	-658.0	452.0	798.3	0.00	0.00	0.00	145.51
7700.0	0.00	145.51	7606.2	-658.0	452.0	798.3	0.00	0.00	0.00	145.51
7800.0	0.00	145.51	7706.2	-658.0	452.0	798.3	0.00	0.00	0.00	145.51
7900.0	0.00	145.51	7806.2	-658.0	452.0	798.3	0.00	0.00	0.00	145.51
8000.0	0.00	145.51	7906.2	-658.0	452.0	798.3	0.00	0.00	0.00	145.51
8100.0	0.00	145.51	8006.2	-658.0	452.0	798.3	0.00	0.00	0.00	145.51
8200.0	0.00	145.51	8106.2	-658.0	452.0	798.3	0.00	0.00	0.00	145.51
8300.0	0.00	145.51	8206.2	-658.0	452.0	798.3	0.00	0.00	0.00	145.51
8400.0	0.00	145.51	8306.2	-658.0	452.0	798.3	0.00	0.00	0.00	145.51
8500.0	0.00	145.51	8406.2	-658.0	452.0	798.3	0.00	0.00	0.00	145.51
8600.0	0.00	145.51	8506.2	-658.0	452.0	798.3	0.00	0.00	0.00	145.51
8700.0	0.00	145.51	8606.2	-658.0	452.0	798.3	0.00	0.00	0.00	145.51
8800.0	0.00	145.51	8706.2	-658.0	452.0	798.3	0.00	0.00	0.00	145.51
8900.0	0.00	145.51	8806.2	-658.0	452.0	798.3	0.00	0.00	0.00	145.51
9000.0	0.00	145.51	8906.2	-658.0	452.0	798.3	0.00	0.00	0.00	145.51
9100.0	0.00	145.51	9006.2	-658.0	452.0	798.3	0.00	0.00	0.00	145.51
9200.0	0.00	145.51	9106.2	-658.0	452.0	798.3	0.00	0.00	0.00	145.51
9300.0	0.00	145.51	9206.2	-658.0	452.0	798.3	0.00	0.00	0.00	145.51
9400.0	0.00	145.51	9306.2	-658.0	452.0	798.3	0.00	0.00	0.00	145.51
9500.0	0.00	145.51	9406.2	-658.0	452.0	798.3	0.00	0.00	0.00	145.51
9600.0	0.00	145.51	9506.2	-658.0	452.0	798.3	0.00	0.00	0.00	145.51
9700.0	0.00	145.51	9606.2	-658.0	452.0	798.3	0.00	0.00	0.00	145.51
9800.0	0.00	145.51	9706.2	-658.0	452.0	798.3	0.00	0.00	0.00	145.51
9900.0	0.00	145.51	9806.2	-658.0	452.0	798.3	0.00	0.00	0.00	145.51
10000.0	0.00	145.51	9906.2	-658.0	452.0	798.3	0.00	0.00	0.00	145.51
10100.0	0.00	145.51	10006.2	-658.0	452.0	798.3	0.00	0.00	0.00	145.51
10193.8	0.00	145.51	10100.0	-658.0	452.0	798.3	0.00	0.00	0.00	145.51
10200.0	0.00	145.51	10106.2	-658.0	452.0	798.3	0.00	0.00	0.00	145.51
10218.8	0.00	145.51	10125.0	-658.0	452.0	798.3	0.00	0.00	0.00	145.51

**Targets**

Name	Description Dip. Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude ---> Deg Min Sec	<--- Longitude ---> Deg Min Sec
BHL		10125.0	-658.0	452.0	3223556.34	2220800.59	40 9 25.478 N	109 25 25.479 W
-Plan hit target								

**Casing Points**

MD ft	TVD ft	Diameter in	Hole Size in	Name
400.0	400.0	9.625	12.250	9 5/8"
6633.8	6540.0	7.000	8.500	7"
10193.8	10100.0	4.500	6.000	4 1/2"

**Formations**

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
6593.8	6500.0	Wasatch		0.00	0.00

**QEP UINTA BASIN, INC.  
GBX 2MU-3-8-22  
680' FNL 2431' FEL SURFACE  
1338' FNL 1979' FEL BOTTOM HOLE LOCATION  
NE 1/4 (LOT 2) SECTION 3, T8S, R22E, SLB&M  
UINTAH COUNTY, UTAH  
LEASE # UTU-73902**

**ONSHORE ORDER NO. 1**

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

An onsite inspection was conducted for the GBX 2MU-3-8-22 on January 18, 2005 at approximately 9:30 AM. Weather conditions were cold at the time of the oniste. In attendance at the inspection were the following individuals:

Paul Buhler	Bureau of Land Management
Dixie Sadlier	Bureau of Land Management
Jan Nelson	QEP Uinta Basin, Inc.

**1. Existing Roads:**

The proposed well site is approximately 31 miles southwest of Vernal, Utah.

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

The existing two track will follow the approved ROW UTU-81241, for the well location GB 6MU-3-8-22. Upgrades and replacement of culverts on the existing road will be done on an "As Needed" basis.

**2. Planned Access Roads:**

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

New access roads on BLM surface will be 30' in width crowned (2 to 3%), ditched, and constructed with a running surface of 18 feet and a maximum disturbed width of 30 feet. Graveling or capping the road bed will be performed as necessary to provide a well constructed, safe road.

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

Please refer to Topo Map C.

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

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

Pipe line will following the approved ROW UTU-81241, for the well location GB 6MU-3-8-22.

A containment dike will be constructed completely around those production facilities which contains fluids (i.e., production tanks, produced water tanks). These dikes will be constructed of compacted impervious subsoil; hold 110% of the capacity of the largest tank; and, be independent of the back cut. If a Spill Prevention, Control, and Countermeasure (SPCC) Plan is required by the Environmental Protection Agency, the containment dike may be expanded to meet SPCC requirements with approval by the BLM/VFO AO. The use of topsoil of the construction of dikes will not be allowed. All loading lines will be placed inside the berm surrounding tank battery. All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded.

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

Fresh water for drilling purposes will be obtained from Wonsits Valley Water Right #36125, or Red Wash Right #49-2153.

**6. Source of Construction Materials:**

Surface and subsoil materials in the immediate area will be utilized. Any gravel will be obtained from a commercial source. The use of materials under BLM jurisdiction will conform with 43 CFR 3610.2-3.

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

Drill cuttings will be contained and buried in the reserve pit. Drilling fluids, including salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be used at the next drill site or will be removed and disposed of at an approved waste disposal facility with 120 days after drilling is terminated. Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

After first production, produced wastewater will be confined to the approved pit or storage tank for a period not to exceed 90 days. During the 90 day period, in accordance with Onshore Order #7, all produced water will be contained in tanks on location and then hauled to Wonsits Valley location in SWNW section 12, T8S, R21E; or Red Wash Disposal Well located in NESW, Section 28, T7S, R22E; or, Red Wash Central Battery Disposal located in SWSE, Section 27, T7S, R23E. Pit reclamation for lined pit will be ruptured when emptied to allow the remaining liquid to be adequately mixed and to promote additional drying of the pit area.

**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 to describe rig orientation, parking areas, and access roads.

A Pit liner is required felt if rock encountered.

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

Topsoil will be stripped and salvaged to provide for sufficient quantities to be respread to a depth of at least 4 to 6 inches over the disturbed areas to be reclaimed. Topsoil shall be stock piled separately from subsoil materials. Topsoil salvaged from the reserve pit shall be stockpiled separately near the reserve pit. Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production. Alternatively, the pit will be pumped dry, the liner folded into the pit, and the pit backfilled. The reserve pit will be reclaimed within 120 days from the date of well completion, weather permitting.

Seed mix # 1

**11. Surface Ownership:**

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

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

**12. Other Information:**

A Class III archaeological survey was conducted by Montgomery Archaeology Consultants. A copy of this report was submitted directly to the appropriate agencies by Montgomery Archaeology Consultants. Cultural resource clearance was recommended for this location.

There is a Ferruginous Hawk Stipulation from March 1st through July 15 the. No construction or drilling will commence during the period unless otherwise determined by a wildlife biologist that the site is inactive.

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

Jan Nelson  
Red Wash Rep.  
Qep Uinta Basin, Inc.  
11002 East 17500 South  
Vernal, Utah 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 & Gas Orders, the approved plan of operations, and any applicable Notice to Lessees.

QEP Uinta Basin, Inc. will be fully responsible for the actions of their 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.

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by QEP Uinta Basin, Inc. its' contractors and subcontractors 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.

  
\_\_\_\_\_  
Jan Nelson  
Red Wash Representative

04-Feb-05  
\_\_\_\_\_  
Date

# QUESTAR EXPLR. & PROD.

## GBX #2MU-3-8-22

LOCATED IN UINTAH COUNTY, UTAH  
SECTION 3, T8S, R22E, S.L.B.&M.

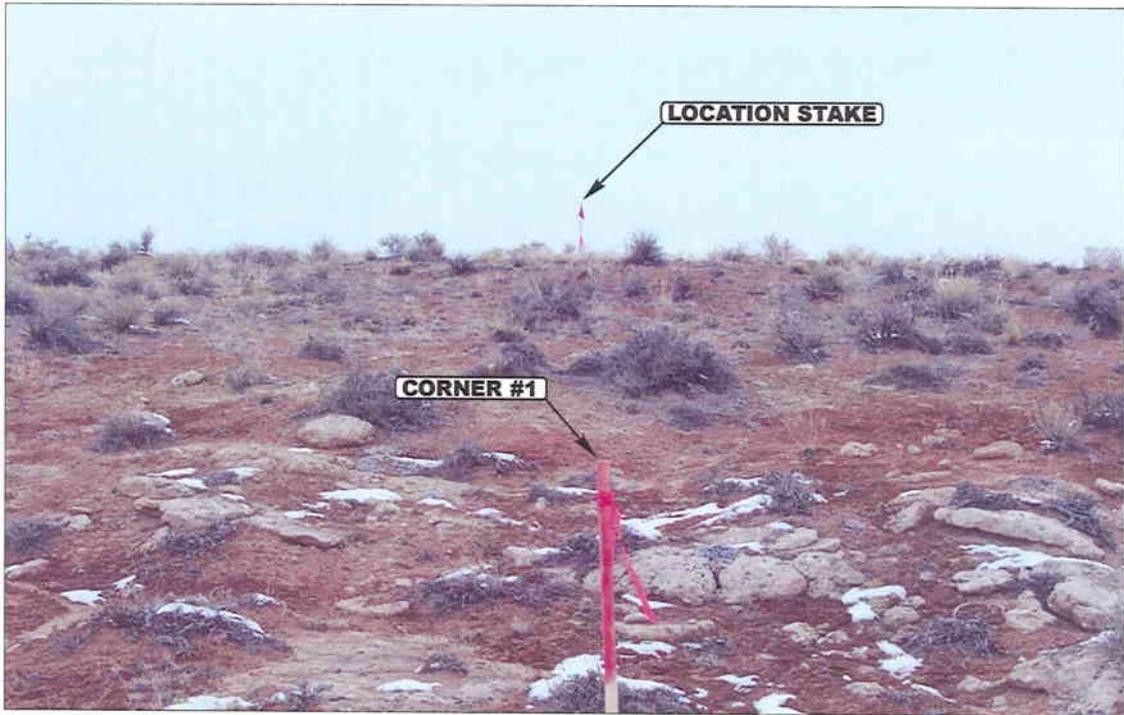


PHOTO: VIEW FROM CORNER #1 TO LOCATION STAKE

CAMERA ANGLE: NORTHERLY

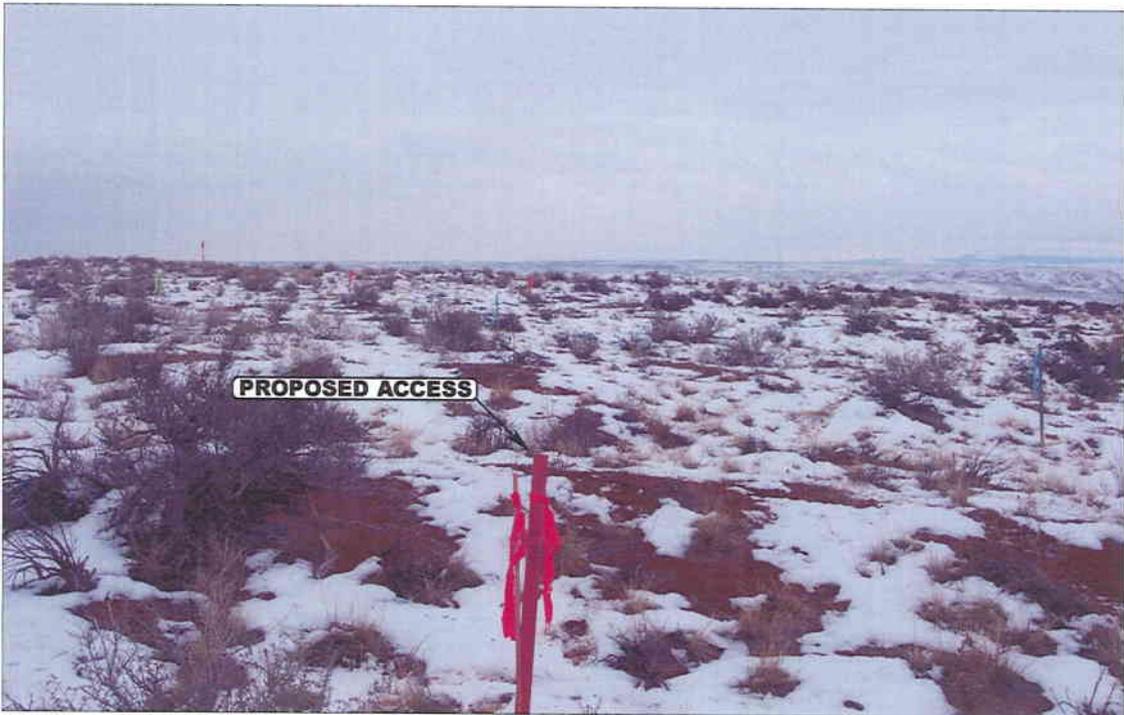


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHEASTERLY



Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

12 09 04  
MONTH DAY YEAR

PHOTO

TAKEN BY: D.A.

DRAWN BY: L.K.

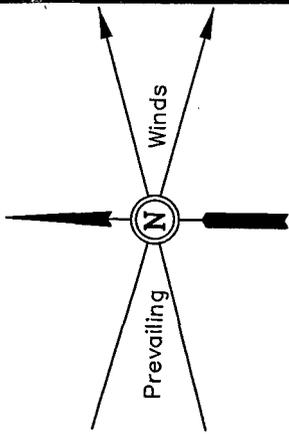
REVISED: 00-00-00

QUESTAR EXPLR. & PROD.

FIGURE #1

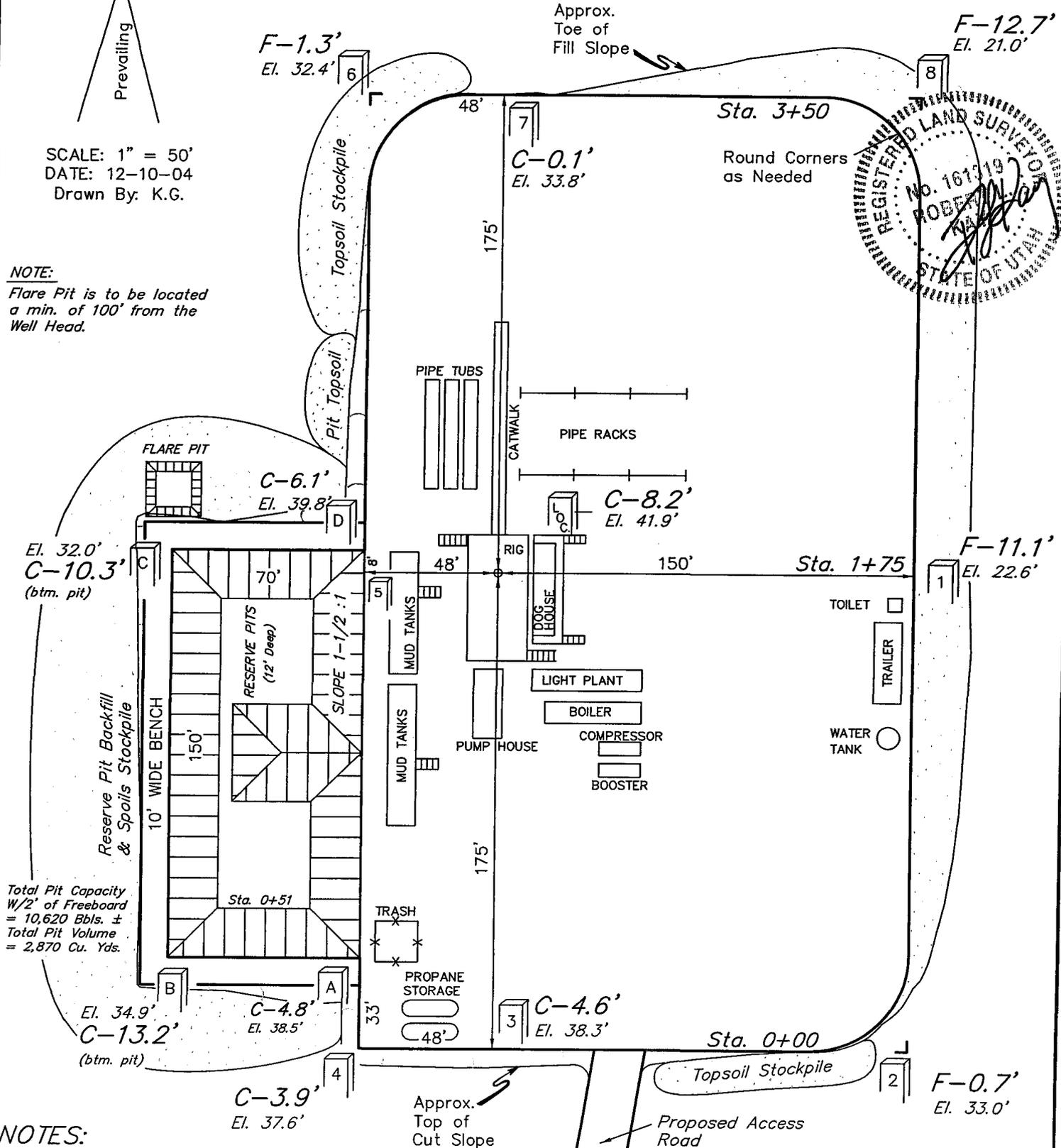
LOCATION LAYOUT FOR

GBX #2MU-3-8-22  
SECTION 3, T8S, R22E, S.L.B.&M.  
680' FNL 2431' FEL



SCALE: 1" = 50'  
DATE: 12-10-04  
Drawn By: K.G.

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



NOTES:

Elev. Ungraded Ground At Loc. Stake = 5241.9'  
FINISHED GRADE ELEV. AT LOC. STAKE = 5233.7'

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

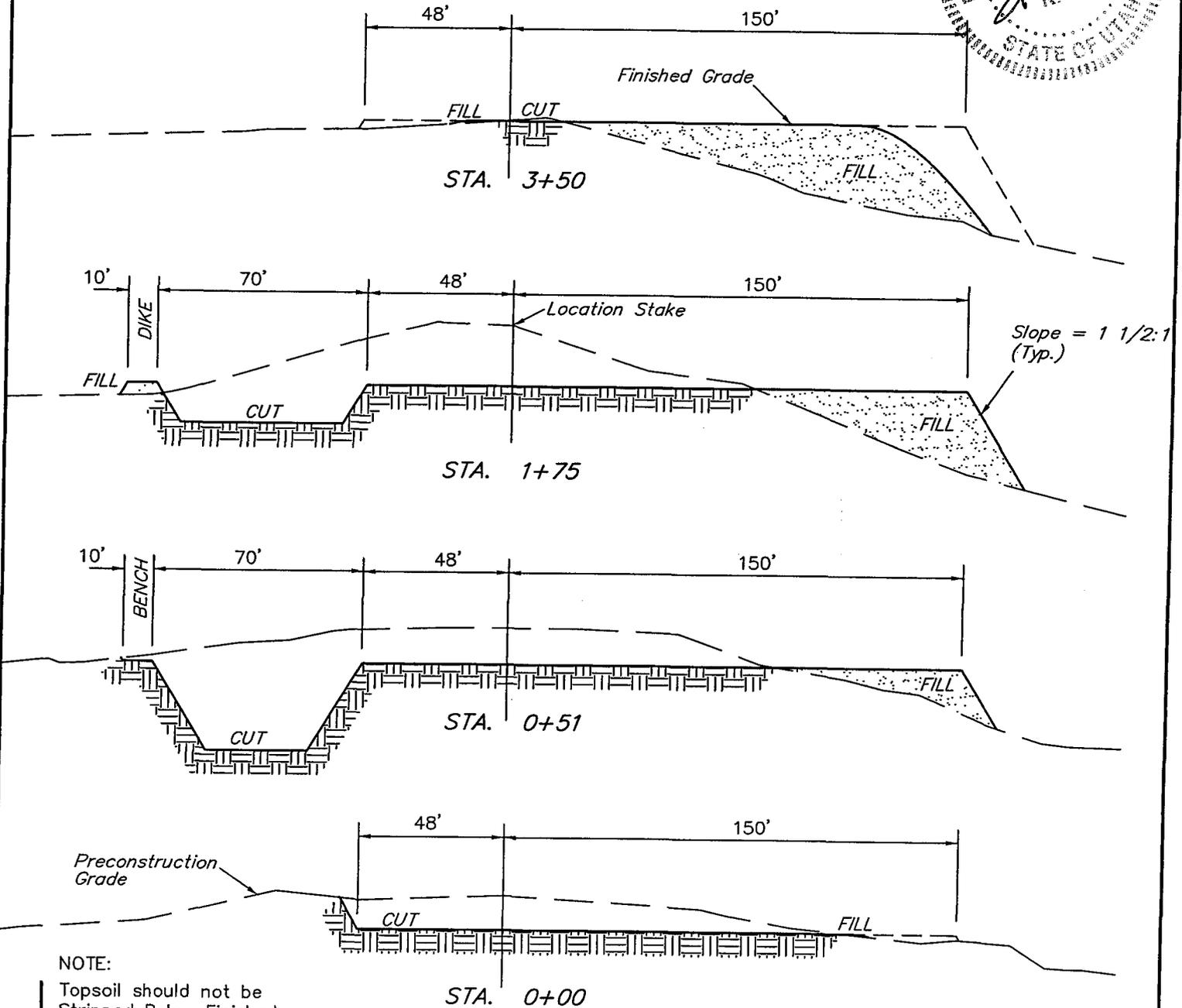
QUESTAR EXPLR. & PROD.

FIGURE #2

TYPICAL CROSS SECTIONS FOR

GBX #2MU-3-8-22  
SECTION 3, T8S, R22E, S.L.B.&M.  
680' FNL 2431' FEL

1" = 20'  
X-Section Scale  
1" = 50'  
DATE: 12-10-04  
Drawn By: K.G.

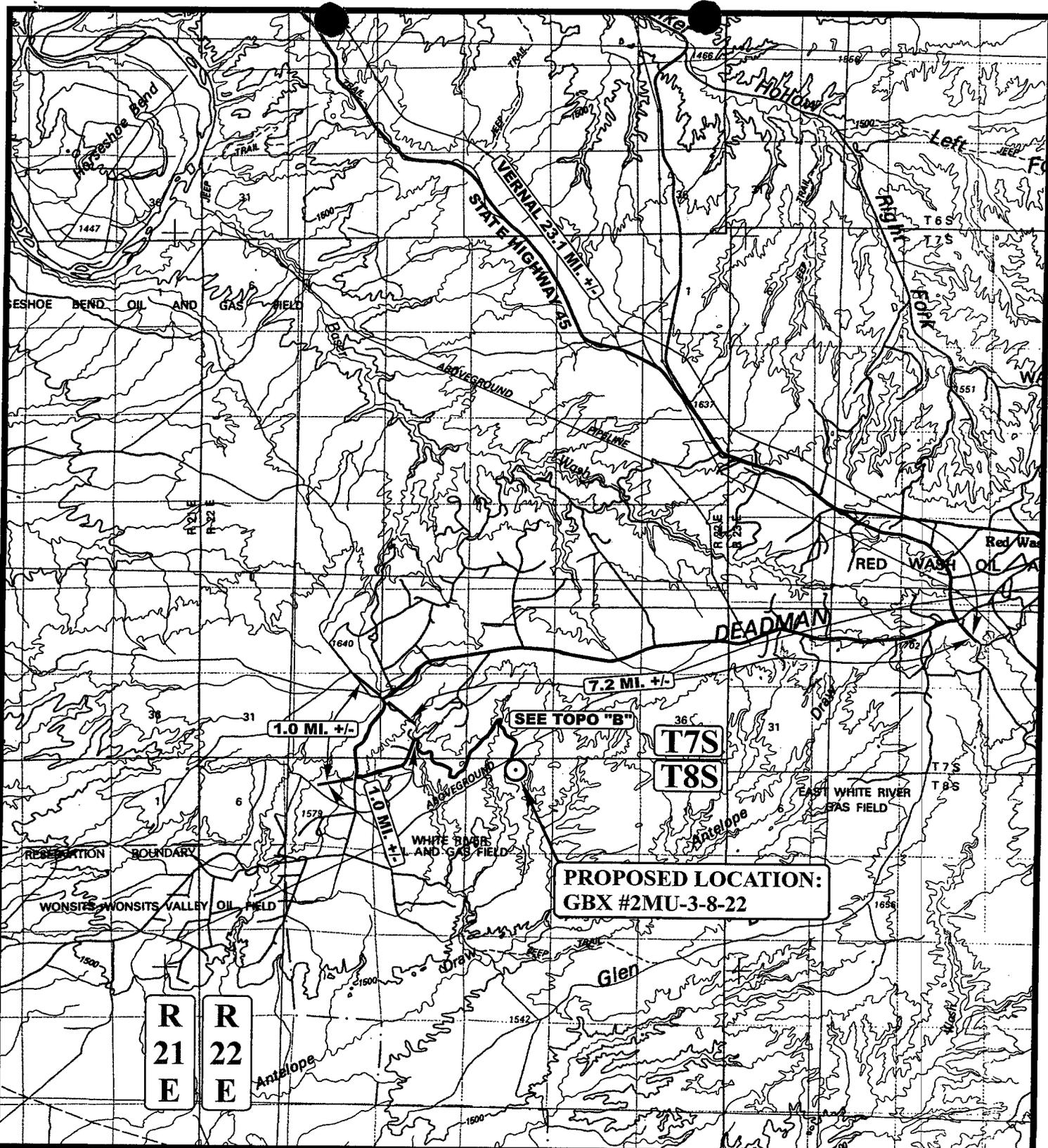


NOTE:  
Topsoil should not be Stripped Below Finished Grade on Substructure Area.

APPROXIMATE YARDAGES

CUT	
(12") Topsoil Stripping	= 1,780 Cu. Yds.
Remaining Location	= 9,030 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 10,810 CU.YDS.</b>
<b>FILL</b>	<b>= 7,590 CU.YDS.</b>

* NOTE:	
FILL QUANTITY INCLUDES 5% FOR COMPACTION	
Excess Material	= 3,220 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 3,220 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 0 Cu. Yds.



**LEGEND:**

⊙ PROPOSED LOCATION

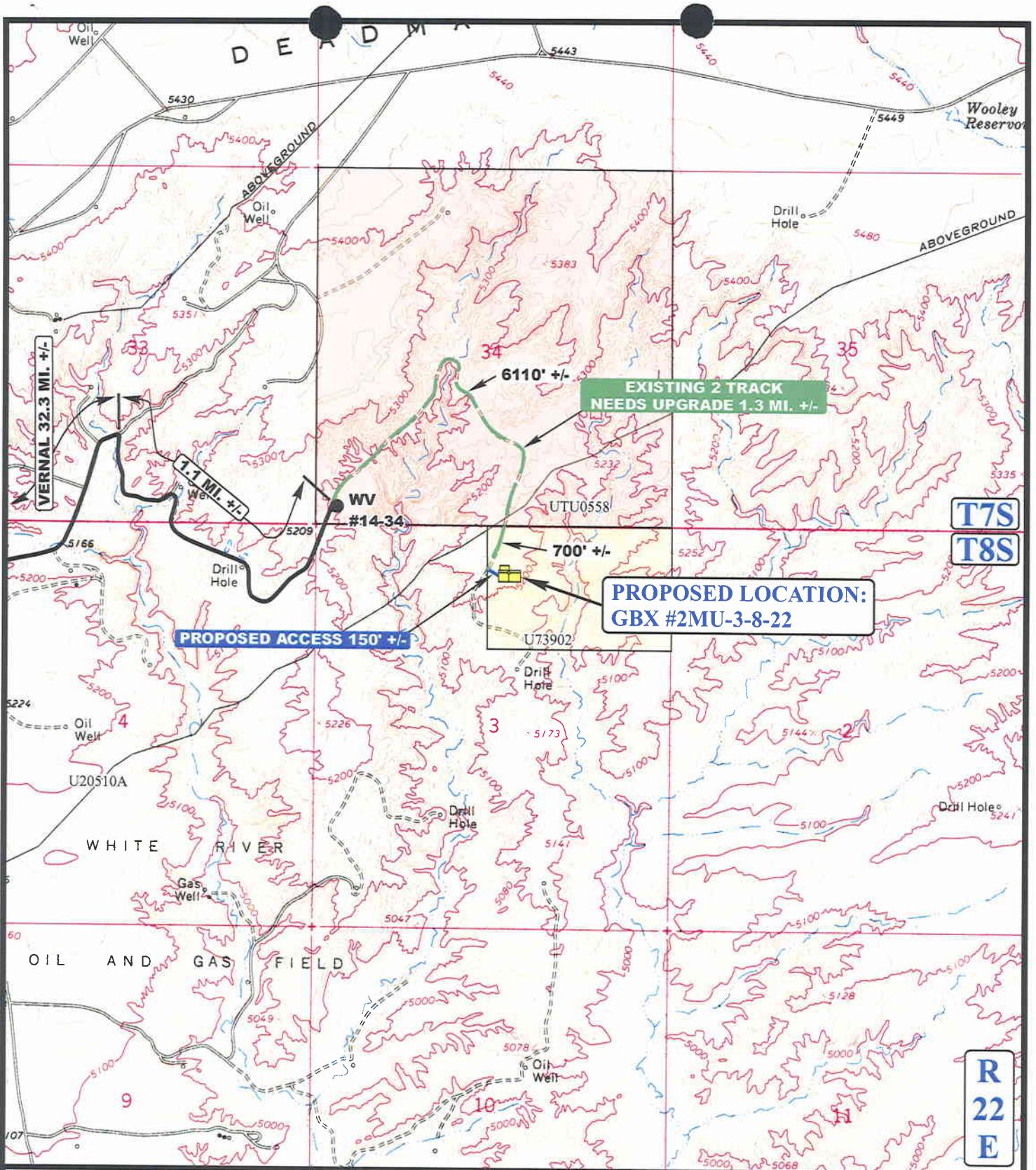


**QUESTAR EXPLR. & PROD.**

GBX #2MU-3-8-22  
 SECTION 3, T8S, R22E, S.L.B.&M.  
 680' FNL 2431' FEL

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

**TOPOGRAPHIC** 12 09 04  
**MAP** MONTH DAY YEAR  
 SCALE: 1:100,000 DRAWN BY: L.K. REVISED: 00-00-00 **A TOPO**



**LEGEND:**

- EXISTING ROAD
- PROPOSED ACCESS ROAD
- EXISTING 2 TRACK NEEDING UPGRADE

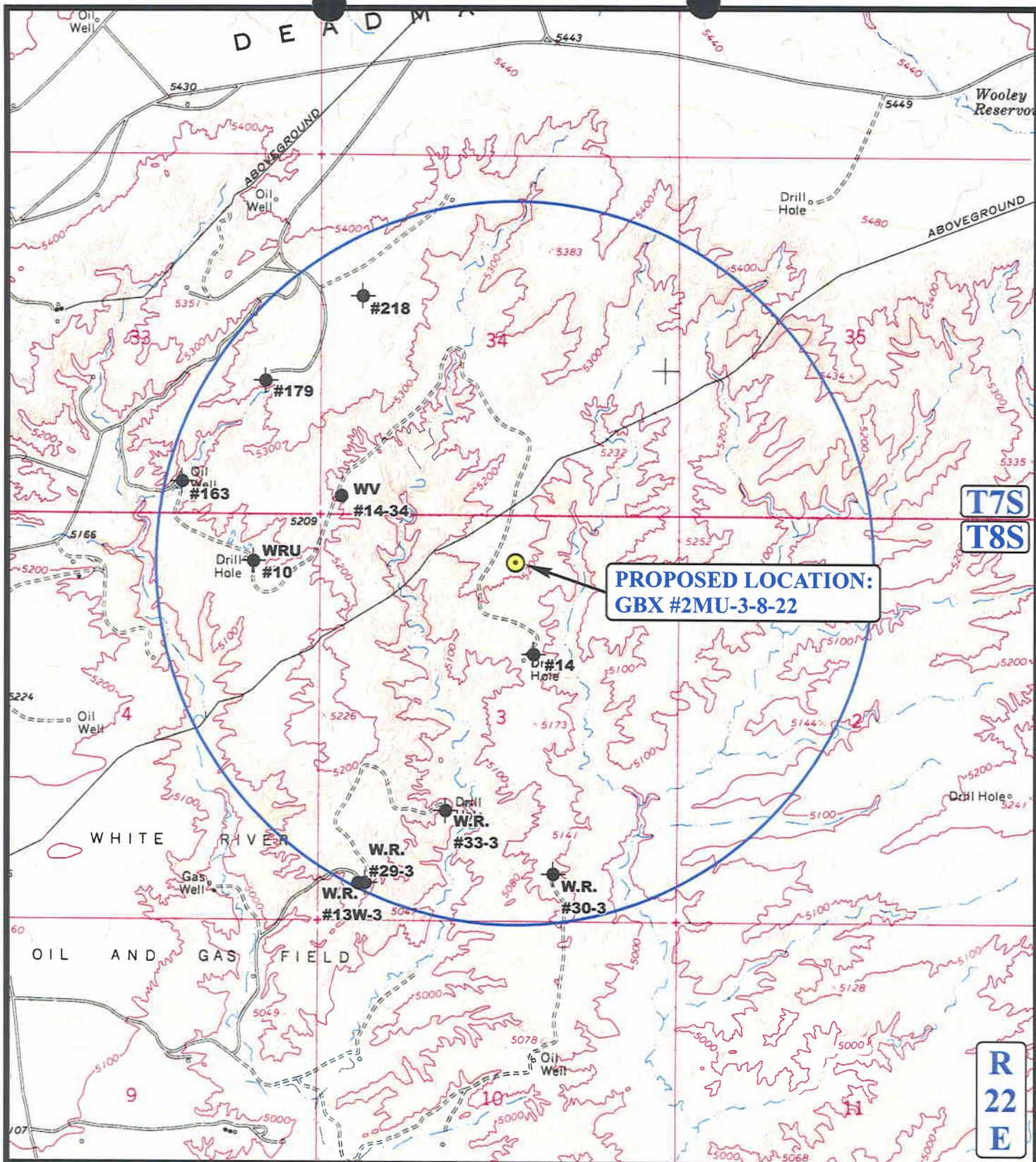
**QUESTAR EXPLR. & PROD.**

**GBX #2MU-3-8-22**  
**SECTION 3, T8S, R22E, S.L.B.&M.**  
**680' FNL 2431' FEL**

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



**TOPOGRAPHIC MAP** 12 09 04  
 MONTH DAY YEAR  
 SCALE: 1" = 2000' DRAWN BY: L.K. REVISED: 00-00-00 **B TOPO**



**LEGEND:**

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



**QUESTAR EXPLR. & PROD.**

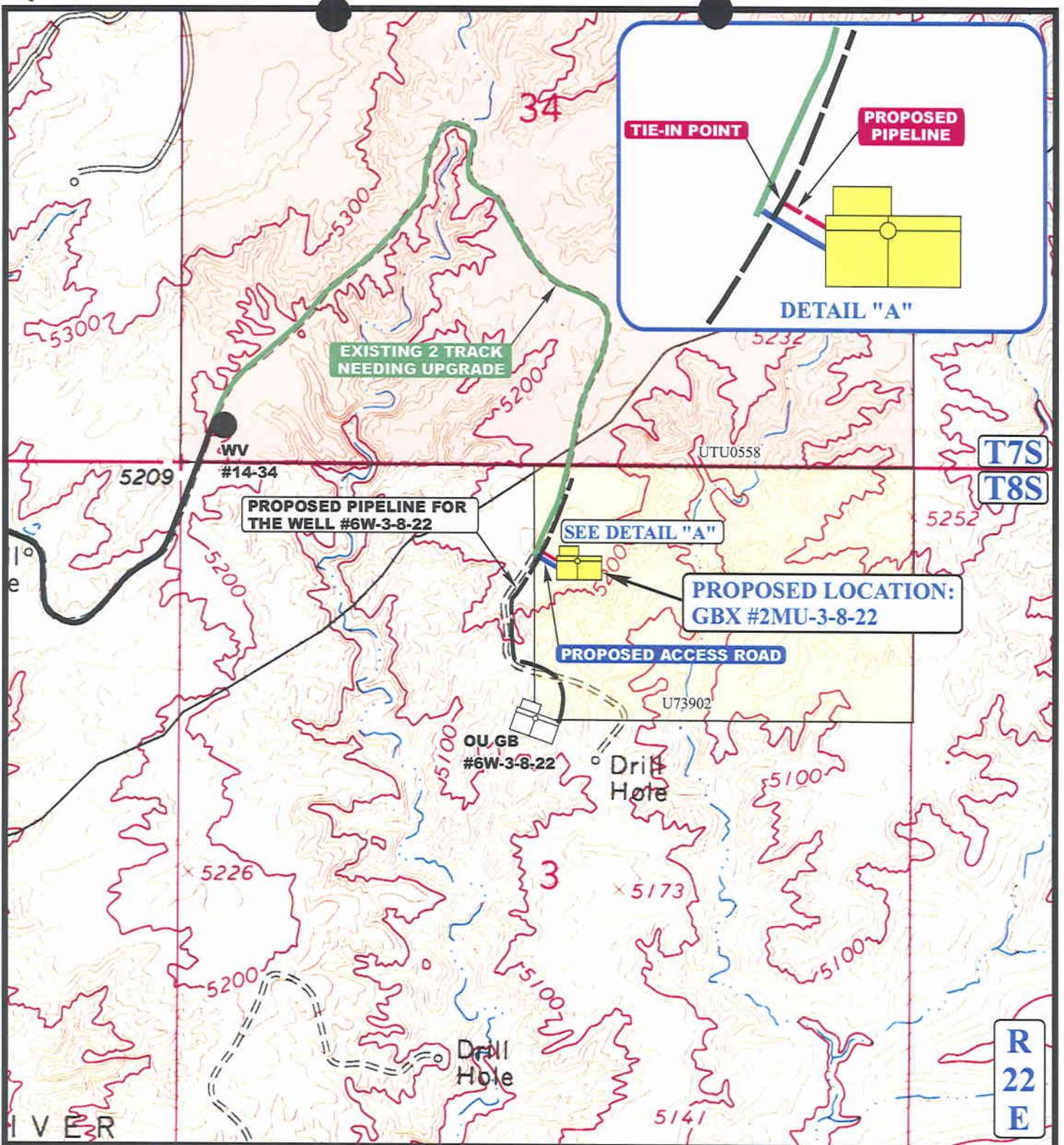
**GBX #2MU-3-8-22**  
**SECTION 3, T8S, R22E, S.L.B.&M.**  
**680' FNL 2431' FEL**



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

**TOPOGRAPHIC** 12 09 04  
**MAP** MONTH DAY YEAR  
 SCALE: 1" = 2000' DRAWN BY: L.K. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 100' +/-

**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE
- EXISTING 2 TRACK NEEDING UPGRADE



**QUESTAR EXPLR. & PROD.**

**GBX #2MU-3-8-22**  
**SECTION 3, T8S, R22E, S.L.B.&M.**  
**680' FNL 2431' FEL**

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

**TOPOGRAPHIC MAP** 12 09 04  
 MONTH DAY YEAR  
 SCALE: 1" = 1000' DRAWN BY: L.K. REVISED: 00-00-00 **D TOPO**

005

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 02/22/2005

API NO. ASSIGNED: 43-047-36317

WELL NAME: GBX 2MU-3-8-22  
OPERATOR: QEP UINTA BASIN, INC. ( N2460 )  
CONTACT: JAN NELSON

PHONE NUMBER: 435-781-4331

PROPOSED LOCATION:

NENW 03 080S 220E  
SURFACE: 0680 FNL 2431 FEL  
*NWNE* BOTTOM: 1338 FNL 1979 FEL  
UINTAH  
UNDESIGNATED ( 2 )

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal  
LEASE NUMBER: UTU-073902  
SURFACE OWNER: 1 - Federal  
PROPOSED FORMATION: MVRD  
COALBED METHANE WELL? NO

LATITUDE: 40.15894  
LONGITUDE: -109.4246

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. ESB000024 )
- N* Potash (Y/N)
- N* Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. 49-2153 )
- N* RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )
- N/A* Fee Surf Agreement (Y/N)

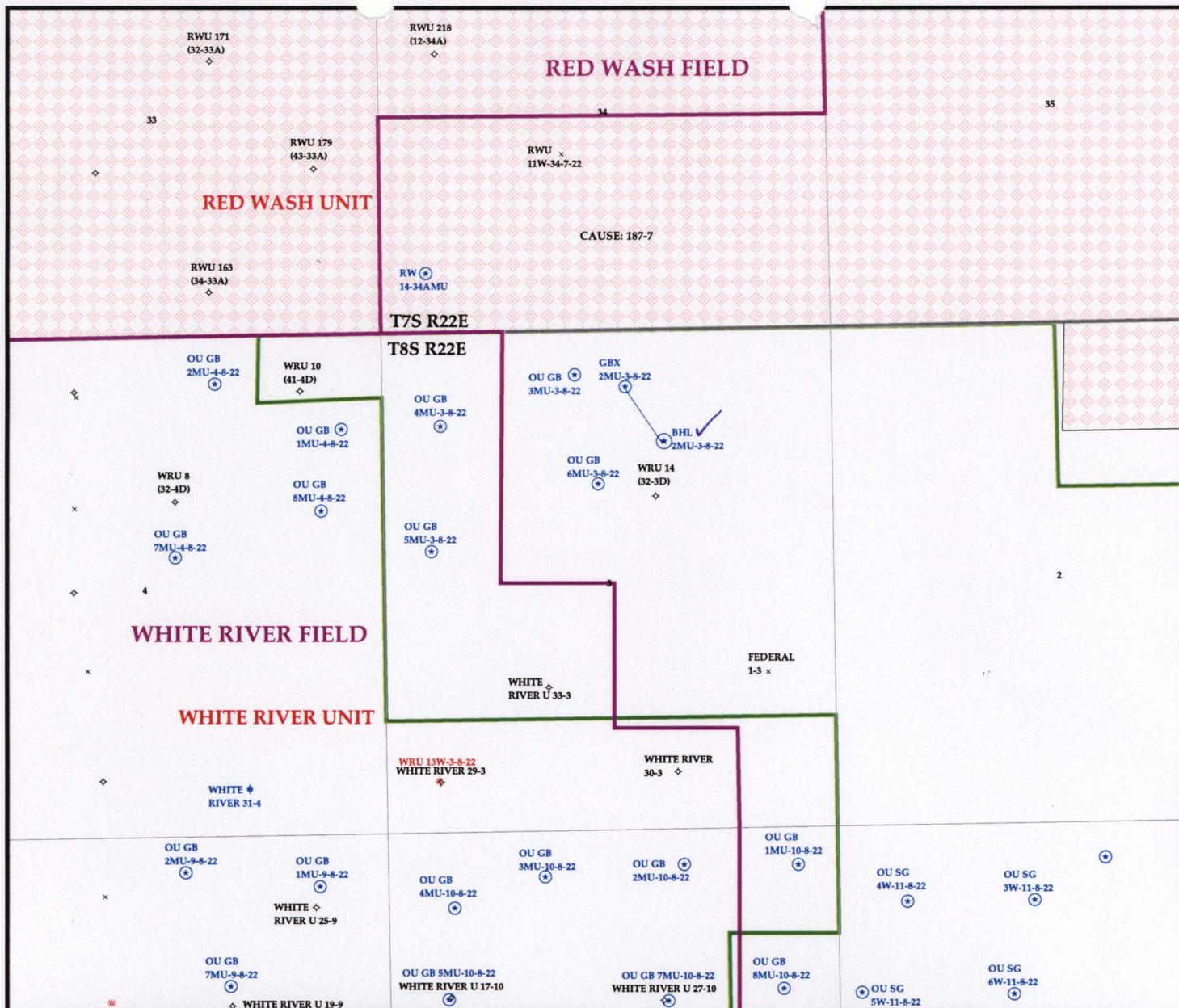
LOCATION AND SITING:

- \_\_\_\_ R649-2-3.
- Unit \_\_\_\_\_
- \_\_\_\_ R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- \_\_\_\_ R649-3-3. Exception
- \_\_\_\_ Drilling Unit  
Board Cause No: \_\_\_\_\_  
Eff Date: \_\_\_\_\_  
Siting: \_\_\_\_\_
- R649-3-11. Directional Drill

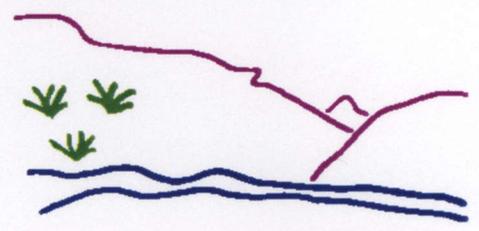
COMMENTS: \_\_\_\_\_

STIPULATIONS: \_\_\_\_\_

*1- Federal Approved*  
*2- Spacing Slip*



OPERATOR- QEP UINTA BASIN INC (N2460)  
 SEC. 3 T.8S R.22E  
 FIELD: UNDESIGNATED (002)  
 COUNTY: UINTAH  
 SPACING: R649-3-11 / DIRECTIONAL DRILLING



Utah Oil Gas and Mining

- | Wells |                     | Units.shp |              | Fields.shp |            |
|-------|---------------------|-----------|--------------|------------|------------|
| ✳     | GAS INJECTION       | □         | EXPLORATORY  | □          | ABANDONED  |
| ✳     | GAS STORAGE         | □         | GAS STORAGE  | □          | ACTIVE     |
| ×     | LOCATION ABANDONED  | □         | NF PP OIL    | □          | COMBINED   |
| ⊕     | NEW LOCATION        | □         | NF SECONDARY | □          | INACTIVE   |
| ◇     | PLUGGED & ABANDONED | □         | PENDING      | □          | PROPOSED   |
| ✳     | PRODUCING GAS       | □         | PI OIL       | □          | STORAGE    |
| ●     | PRODUCING OIL       | □         | PP GAS       | □          | TERMINATED |
| ✳     | SHUT-IN GAS         | □         | PP GEOTHERML |            |            |
| +     | SHUT-IN OIL         | □         | PP OIL       |            |            |
| ×     | TEMP. ABANDONED     | □         | SECONDARY    |            |            |
| ○     | TEST WELL           | □         | TERMINATED   |            |            |
| △     | WATER INJECTION     |           |              |            |            |
| ◆     | WATER SUPPLY        |           |              |            |            |
| ♁     | WATER DISPOSAL      |           |              |            |            |



PREPARED BY: DIANA WHITNEY  
 DATE: 24-FEBRUARY-2005



**Questar Market Resources**  
Independence Plaza  
1050 17th Street, Suite 500  
Denver, CO 80265  
Tel 303 672 6900 • Fax 303 294 9632

February 10, 2005

Rosewood Resources, Inc.  
Cityplace Center East  
2711 N. Haskell Ave.  
Suite 2800, LB #22  
Dallas, Texas 75204  
Attn: Bill Washington

RE: GBX 2MU-3-8-22  
Section 3, Township 8 South, Range 22 East  
Uintah County, Utah

Gentlemen:

Per your conversation with Frank Nielsen of Questar's Denver office, you advised that Rosewood Resources, Inc. would consider participating in the drilling of the above mentioned well. The well is located in T8S-R22E Section 3 NW/NE. This will be a directional well due to topographic reasons. Because this is a directional well an exception location is required under the state rules. Therefore, the BLM will not grant an APD without your exception location approval. As such, please sign below to indicate Rosewood's acceptance of this exception location and return in the envelope provided.

**Please note that time is of the essence.** Should you have any questions regarding this matter, please feel free to contact me at 303-672-6931.

Very truly yours,

Angela Page  
Associate Landman

AGREED TO THIS 10<sup>th</sup> DAY  
~~OF DECEMBER~~ FEBRUARY, 2005  
Rosewood Resources, Inc.

Name: Wm. E. Wait  
Title: Land Manager

RECEIVED  
FEB 22 2005

DIV. OF OIL, GAS & MINING

T8S, R22E, S.L.B.&M.

**Red Wash Unit**

1938 Brass Cap,  
1.2" High, Pile  
of Stones

N89°56'25"E - 2637.95' (Meas.)

1938 Brass Cap  
1.2" High, Pile  
of Stones

S89°55'41"W - 2638.59' (Meas.)

T7S  
T8S

LOT 4 LOT 3  
GBX #2MU-3-8-22  
Elev. Ungraded Ground = 5242'

LOT 1

460-ft R

460-ft R

Bottom Hole

400-ft  
window

LOT 5

LOT 6

680'

1338'

2431'

LOT 8

N00°11'02"E - 3318.49' (Meas.)

N00°09'45"E - 3319.48' (Meas.)

1938 Brass Cap,  
0.4" High, Pile  
of Stones

1938 Brass Cap,  
Pile of Stones

500°14'W - 2640.00' (G.L.O.)

500°13'W - 2640.00' (G.L.O.)

**Whiter River Unit**

WEST - 5280.00' (G.L.O.)

(NAD 83)

LATITUDE = 40°09'31.98" (40.158883)

LONGITUDE = 109°25'31.30" (109.425361)

(NAD 27)

LATITUDE = 40°09'32.11" (40.158919)

LONGITUDE = 109°25'28.83" (109.424675)

**QUESTAR EXPLR. & PROD.**

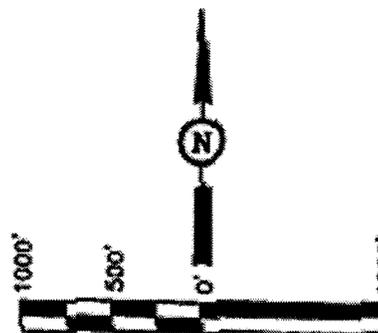
Well location, GBX #2MU-3-8-22, located as shown in the NE 1/4 (LOT 2) of Section 3, T8S, R22E, S.L.B.&M. Uintah County, Utah.

**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.



SCALE

CERTIFICATE

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

*[Signature]*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 19794  
STATE OF UTAH

**UINTAH ENGINEERING & LAND SURVEYING**

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 12-8-04	DATE DRAWN: 12-10-04
PARTY D.A. T.C. K.G.	REFERENCES G.L.O. PLAT	
WEATHER COLD	PLS QUESTAR EXPLR. & PROD.	

**LEGEND:**

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

February 18, 2005

Ms. Diana Whitney  
State of Utah  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Salt Lake City, Ut 84114-5801

Re: Directional Drilling R649-3-11  
GBX 2MU-3-8-22: 680' FNL 2431' FEL NE ¼ LOT 2 (surface)  
1338' FNL 1979' FEL NWNE LOT 7 (bottom hole)

Dear Ms. Whitney

Pursuant to the filing of GBX 2MU-3-8-22 Application for Permit to Drill regarding the above referenced well on February 4, 2005, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to the Exception to Location and Siting of Well.

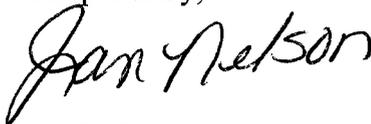
GBX 2MU-3-8-22 is located in T8S, R22E, Section 3 in the NW/NE (LOT 7).

QEP Uinta Basin Inc. 11002 East 17500 South, Vernal, Utah 84078, is permitting this well as a directional well due to topographic reasons. Locating the well at the surface location and directionally drilling from this location, Questar will be able to utilize the existing road and pipelines in the area.

Furthermore, Rosewood Resources, LLC has consented approval for this location involving the wellsite lease owners and offsetting owners, as required.

There are no other lease owners within 460' of all points along the intended directional wellbore as shown on the attached plat. Therefore, based on the above stated information, QEP Uinta Basin, Inc. requests the permit be granted pursuant to R649-3-11.

Respectfully,



Jan Nelson  
Regulatory Affairs Analyst

RECEIVED

FEB 22 2005

DIV. OF OIL, GAS & MINING



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

MARY ANN WRIGHT  
*Acting Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

February 24, 2005

QEP Uinta Basin, Inc.  
11002 E 17500 S  
Vernal, UT 84078

Re: GBX 2MU-3-8-22 Well, Surface Location 680' FNL, 2431' FEL, NE NW,  
Sec. 3, T. 8 South, R. 22 East, Bottom Location 1338' FNL, 1979' FEL,  
NW NE, Sec. 3, T. 8 South, R. 22 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

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. The API identification number assigned to this well is 43-047-36317.

Sincerely,

John R. Baza  
Associate Director

pab

Enclosures

cc: Uintah County Assessor  
Bureau of Land Management, Vernal District Office

Operator: QEP Uinta Basin, Inc.  
Well Name & Number GBX 2MU-3-8-22  
API Number: 43-047-36317  
Lease: UTU-073902

Surface Location: NE NW                      Sec. 3                      T. 8 South                      R. 22 East  
Bottom Location: NW NE                      Sec. 3                      T. 8 South                      R. 22 East

### Conditions of Approval

1. 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.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

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

5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Page 2

API #43-047-36317

February 24, 2005

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*

FORM APPROVED  
OMB NO. 1040-0136  
Expires: February 28, 1995

RECEIVED  
FEB 07 2005  
BLM VERNAL, UTAH

5. LEASE DESIGNATION AND SERIAL NO.

UTU 73902

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME, WELL NO.

GBX 2MU-3-8-22

TYPE OF WORK

DRILL

DEEPEN

TYPE OF WELL

SINGLE ZONE

MULTIPLE ZONE

OIL WELL

GAS WELL

OTHER

2. NAME OF OPERATOR

QEP UINTA BASIN, INC.

Contact: Jan Nelson

E-Mail: jan.nelson@questar.com

3. ADDRESS

11002 E. 17500 S. Vernal, Ut 84078

Telephone number

Phone 435-781-4331 Fax 435-781-4323

9. API WELL NO.

43104736317

10. FIELD AND POOL, OR WILDCAT

UNDESIGNATED

4. LOCATION OF WELL (Report location clearly and in accordance with and State requirements\*)

At Surface 680' FNL, 2431' FEL, NE 1/4 (LOT 2)

At proposed production zone 1338' FNL, 1979' FEL NWNE (LOT 7)

11. SEC., T, R, M, OR BLK & SURVEY OR AREA

SEC 3 T8S R22E Mer SLB

14. DISTANCE IN MILES FROM NEAREST TOWN OR POSTOFFICE\*

31 +/- FROM VERNAL, UTAH

12. COUNTY OR PARISH 13. STATE

Utah

UT

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (also to nearest drig, unit line if any)

1338' +/- Bottom Hole

16. NO. OF ACRES IN LEASE

121.13

17. NO. OF ACRES ASSIGNED TO THIS WELL

40

18. DISTANCE FROM PROPOSED location to nearest well, drilling, completed, applied for, on this lease, ft

1500' +/-

19. PROPOSED DEPTH

10125' TVD

10218' MD

20. BLM/BIA Bond No. on file

ESB000024

21. ELEVATIONS (Show whether DF, RT, GR, ect.)

5233.7 GR

22. DATE WORK WILL START

ASAP

23. Estimated duration

10 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:

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

SIGNED

*Jan Nelson*

Name (printed/typed) Jan Nelson

DATE February 4, 2005

TITLE

Regulatory Affairs Analyst

(This space for Federal or State office use)

CONDITIONS OF APPROVAL ATTACHED

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify the applicant holds any 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:

APPROVED BY

*Howard B. Leary*

TITLE

Assistant Field Manager  
Mineral Resources

RECEIVED

JUN 11 2005

DATE

06/15/2005

\*See Instructions On Reverse Side

Title 18 U.S.C Section 1001, makes 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

UDOGM

NOTICE OF APPROVAL

CONFIDENTIAL

DIV. OF OIL, GAS & MINING

**CONDITIONS OF APPROVAL**  
**APPLICATION FOR PERMIT TO DRILL**

Operator/Company: QEP-Uinta Basin, Inc.  
Well Name/Number: GBX 2MU-3-8-22  
API Number: 43-047-36317  
Location: Lot 2 Sec. 3 Twn: 8S Rng: 22E  
Lease Number: UTU-73902  
Agreement: N/A

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

**CONDITIONS OF APPROVAL FOR NOTICE TO DRILL**

Approval of this application 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.

Be aware that fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

**Please submit an electronic copy of all logs run on this well in LAS format. This submission will supersede the requirement for submittal of paper logs to the BLM. The cement bond log must be submitted in raster format (TIF, PDF or other).**

In the event after-hours approvals are necessary, you must contact one of the following individuals:

Kirk Fleetwood (435) 828-7874  
Petroleum Engineer

Michael Lee (435) 828-7875  
Petroleum Engineer

BLM FAX Machine (435) 781-4410

**THERE ARE NO ADDITIONAL CONDITIONS FOR THE SURFACE USE PROGRAM.**



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

March 22, 2006

Jan Nelson  
QEP Uinta Basin Inc.  
11002 East 17500 South  
Vernal, Utah 84078

Re: APD Rescinded - GBX 2MU-3-8-22 Sec. 3, T. 8S R. 22E  
Uintah County, Utah API No. 43-047-36317

Dear Ms. Nelson:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on February 24, 2005. On March 22, 2006, you requested that the division rescind the state approved APD. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective March 22, 2006.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

  
Diana Whitney  
Engineering Technician

cc: Well File  
Bureau of Land Management, Vernal



United States Department of the Interior  
BUREAU OF LAND MANAGEMENT

Vernal Field Office  
170 South 500 East  
Vernal, UT 84078  
(435) 781-4400 Fax: (435) 781-4410  
<http://www.blm.gov/utah/vernal>



IN REPLY REFER TO:  
3160  
UT08300

June 8, 2006

43-047-36317

Jan Nelson  
QEP-Uinta Basin, Inc.  
11002 East 17500 South  
Vernal, Utah 84078

Re: Notification of Expiration  
Well No. GBX 2MU-3-8-22  
Lot 2 Sec. 3, T8S, R22E  
Uintah County, Utah  
Lease No. UTU-73902

Dear Ms. Nelson:

The Application for Permit to Drill the above-referenced well was approved on June 15, 2005. Since that date no known activity has transpired at the approved location. Applications for Permit to Drill are effective for a period of one year; but, a suspension was granted for this lease which gave you 90 days from the APD approval to commence drilling. In view of the foregoing, this office is notifying you that the approval of the referenced application has expired.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must be submitted to this office. Your cooperation in this matter is appreciated.

Sincerely,

Leslie Wilcken  
Land Law Examiner

cc: UDOGM

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY

RECEIVED  
JUN 12 2006  
DIV. OF OIL, GAS & MINING