

T7S, R94W, 6th P.M.

S89°46'W - 5322.30' (G.L.O.)

E 1/4 Cor Sec 24  
1947 Brass Cap 2.0'  
High, N-E Fenceline  
Lat: 39.424503  
Long: 107.825947

1947 Brass Cap 8"  
High, Pile of Stones  
Lat: 39.417244  
Long: 107.825936

1948 Brass Cap  
4" High, Pile of  
Stones  
Lat: 39.416861  
Long: 107.825947

Lot 1

Lot 2

1920 Brass Cap  
0.9' High  
Lat: 39.409969  
Long: 107.825939

C.C. SW Cor Sec 30  
1948 Brass Cap  
1.0' High  
Lat: 39.409594  
Long: 107.825939

Lot 3

Lot 4

1948'  
C.C. SW Cor Sec 31  
1947 Brass Cap  
1.7' High  
Lat: 39.403919  
Long: 107.825967

1920 Brass Cap  
1.7' High  
Lat: 39.402706  
Long: 107.835361

1920 Brass Cap  
1.3' High  
Lat: 39.402717  
Long: 107.825950

NAD 83 (SURFACE LOCATION)	
LATITUDE	= 39°24'16.67" (39.404631)
LONGITUDE	= 107°49'58.22" (107.832839)
NAD 27 (SURFACE LOCATION)	
LATITUDE	= 39°24'16.74" (39.404650)
LONGITUDE	= 107°49'55.99" (107.832219)

## BLACK DIAMOND MINERALS, LLC

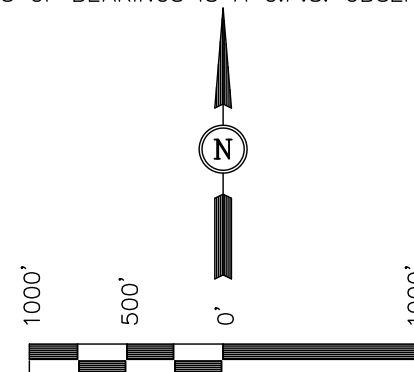
Well location, TPR #111-6 (SURFACE LOCATION), located as shown in the SW 1/4 SE 1/4 of Section 25, T7S, R94W, 6th P.M., Garfield County, Colorado.

### BASIS OF ELEVATION

BENCH MARK LOCATED IN THE NE 1/4 OF SECTION 36, T5S, R93W, 6th P.M. TAKEN FROM THE RIFLE QUADRANGLE, COLORADO, GARFIELD COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5546.19 FEET.

### BASIS OF BEARINGS

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



SCALE

### CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED AND LOCATION AS SHOWN WAS STAKED ON THE GROUND 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. 17492  
STATE OF COLORADO

Revised: 04-16-10 C.H.  
Revised: 08-04-08 D.R.B.  
Revised: 06-16-08 D.R.B.

## UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 04-18-08	DATE DRAWN: 04-21-08
PARTY B.J. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE BLACK DIAMOND MINERALS, LLC	

SOUTH - 2640.00' (G.L.O.)

N00°03'48"W - 2652.87' (Meas.)

W.C.  
1920 Brass Cap  
1.0' High  
Lat: 39.402600  
Long: 107.844742

### LEGEND:

└─ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

PDOP = 3.7

NOTE:  
SEE ADDENDUM TO LEGAL PLAT FOR  
EXISTING IMPROVEMENTS WITHIN 400'  
OF THE PROPOSED DISTURBANCE.

1920 Brass Cap  
1.8' High  
Lat: 39.409997  
Long: 107.844758

NOTE:  
THE PROPOSED BOTTOM HOLE FOR THIS WELL  
IS LOCATED IN LOT 12 OF SECTION 6, T8S,  
R93W, 6th P.M. AT A DISTANCE OF 1261' FNL  
732' FWL. IT BEARS S60°20'28"E 3080.93'  
FROM THE PROPOSED WELL HEAD.

TPR #111-6

Elev. Ungraded Ground = 9129'

N89°52'16"W - 2651.29' (Meas.)

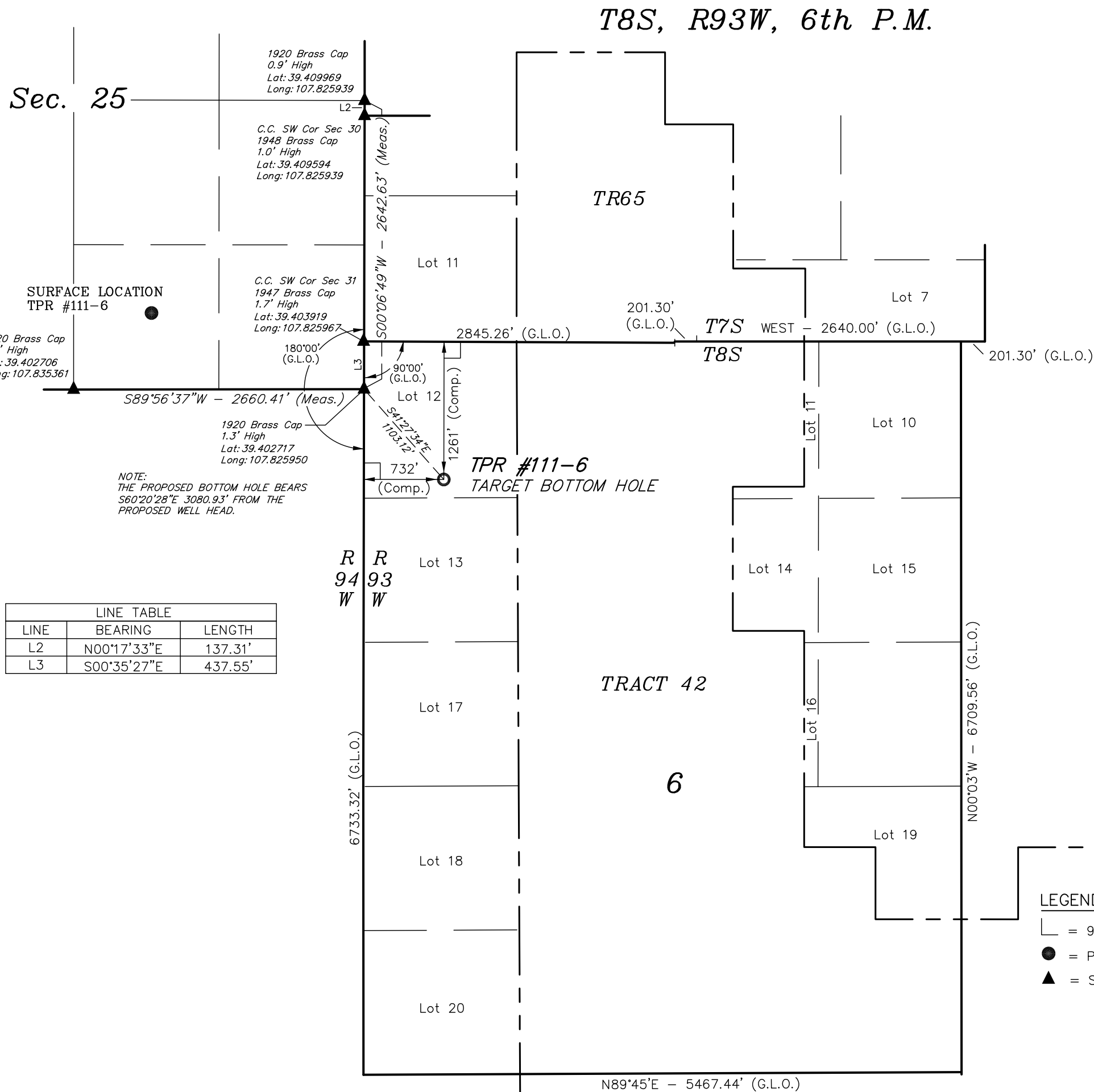
S89°56'37"W - 2660.41' (Meas.)

1920 Brass Cap




Well location, TPR #111-6 (TARGET BOTTOM HOLE),  
located as shown in Lot 12 of Section 6, T8S,  
R93W, 6th P.M., Garfield County, Colorado.

BENCH MARK LOCATED IN THE NE 1/4 OF SECTION 36,  
T5S, R93W, 6th P.M. TAKEN FROM THE RIFLE QUADRANGLE,  
COLORADO, GARFIELD COUNTY, 7.5 MINUTE SERIES  
(TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES  
DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID  
ELEVATION IS MARKED AS BEING 5546.19 FEET.

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



LINE TABLE		
LINE	BEARING	LENGTH
L2	N00°17'33"E	137.31'
L3	S00°35'27"E	437.55'

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

<b>NAD 83 (TARGET BOTTOM HOLE)</b>	
LATITUDE	= 39°24'01.62" (39.400450)
LONGITUDE	= 107°49'24.11" (107.823364)
<b>NAD 27 (TARGET BOTTOM HOLE)</b>	
LATITUDE	= 39°24'01.69" (39.400469)
LONGITUDE	= 107°49'21.88" (107.822744)

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED AND LOCATION AS SHOWN WAS STAKED ON THE GROUND 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. 17492  
STATE OF COLORADO

Revised: 04-16-10 C.H.  
Revised: 08-04-08 D.R.B.

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

SCALE 1" = 1000'	DATE SURVEYED: 03-24-08	DATE DRAWN: 04-02-08
PARTY B.J. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE BLACK DIAMOND MINERALS, LLC	

T7S, R94W, 6th P.M.

E 1/4 Cor Sec 24  
1947 Brass Cap 2.0'  
High, N-E Fenceline  
Lat: 39.424503  
Long: 107.825947

1947 Brass Cap 8"  
High, Pile of Stones  
Lat: 39.417244  
Long: 107.825936

1948 Brass Cap  
4" High, Pile of  
Stones  
Lat: 39.416861  
Long: 107.825947

Lot 1

Lot 2

1920 Brass Cap  
0.9' High  
Lat: 39.409969  
Long: 107.825939

1948 Brass Cap  
1.0' High  
Lat: 39.409594  
Long: 107.825939

Lot 3  
R  
94  
W

Lot 4

1920 Brass Cap  
1.3' High  
Lat: 39.402717  
Long: 107.825950

S89°46'W - 5322.30' (G.L.O.)

N00°02'35"W -  
2645.24' (Meas.)

S00°03'06"W - 2650.00' (Meas.)

S00°06'49"W - 2642.63' (Meas.)

S00°06'49"W - 2642.63' (Meas.)

S00°06'49"W - 2642.63' (Meas.)

S00°06'49"W - 2642.63' (Meas.)

S00°06'49"W - 2642.63' (Meas.)

## BLACK DIAMOND MINERALS, LLC

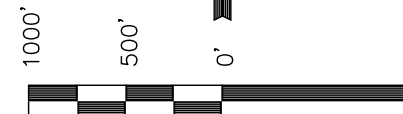
Well location, TPR #112-31 (SURFACE LOCATION), located as shown in the SW 1/4 SE 1/4 of Section 25, T7S, R94W, 6th P.M., Garfield County, Colorado.

### BASIS OF ELEVATION

BENCH MARK LOCATED IN THE NE 1/4 OF SECTION 36, T5S, R93W, 6th P.M. TAKEN FROM THE RIFLE QUADRANGLE, COLORADO, GARFIELD COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5546.19 FEET.

### BASIS OF BEARINGS

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



SCALE

### CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED AND LOCATION AS SHOWN WAS STAKED ON THE GROUND 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.

Revised: 04-16-10 C.H.  
Revised: 08-04-08 D.R.B.  
Revised: 06-16-08 D.R.B.  
Revised: 04-18-08 D.R.B.

REGISTERED LAND SURVEYOR  
REGISTRATION NO. 17492  
STATE OF COLORADO

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

SCALE 1" = 1000'	DATE SURVEYED: 03-24-08	DATE DRAWN: 04-02-08
PARTY B.J. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE BLACK DIAMOND MINERALS, LLC	

NOTE:  
SEE ADDENDUM TO LEGAL PLAT FOR  
EXISTING IMPROVEMENTS WITHIN 400'  
OF THE PROPOSED DISTURBANCE.

LINE TABLE		
LINE	BEARING	LENGTH
L1	N01°22'34"E	138.91'
L2	N00°17'33"E	137.31'

1920 Brass Cap  
1.8' High  
Lat: 39.409997  
Long: 107.844758

NOTE:  
THE PROPOSED BOTTOM HOLE FOR THIS WELL  
IS LOCATED IN LOT 11 OF SECTION 31, T7S,  
R93W, 6th P.M. AT A DISTANCE OF 473' FSL  
748' FWL. IT BEARS N84°09'09"E 2680.36'  
FROM THE PROPOSED WELL HEAD.

TPR #112-31  
Elev. Ungraded Ground = 9131'

1920 Brass Cap  
1.7' High  
Lat: 39.402706  
Long: 107.835361

42.9'  
SOUTH  
True Position

N89°52'16"W - 2651.29' (Meas.)

S89°56'37"W - 2660.41' (Meas.)

W.C.  
1920 Brass Cap  
1.0' High  
Lat: 39.402600  
Long: 107.844742

### LEGEND:

└─ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

PDOP = 3.7

NAD 83 (SURFACE LOCATION)

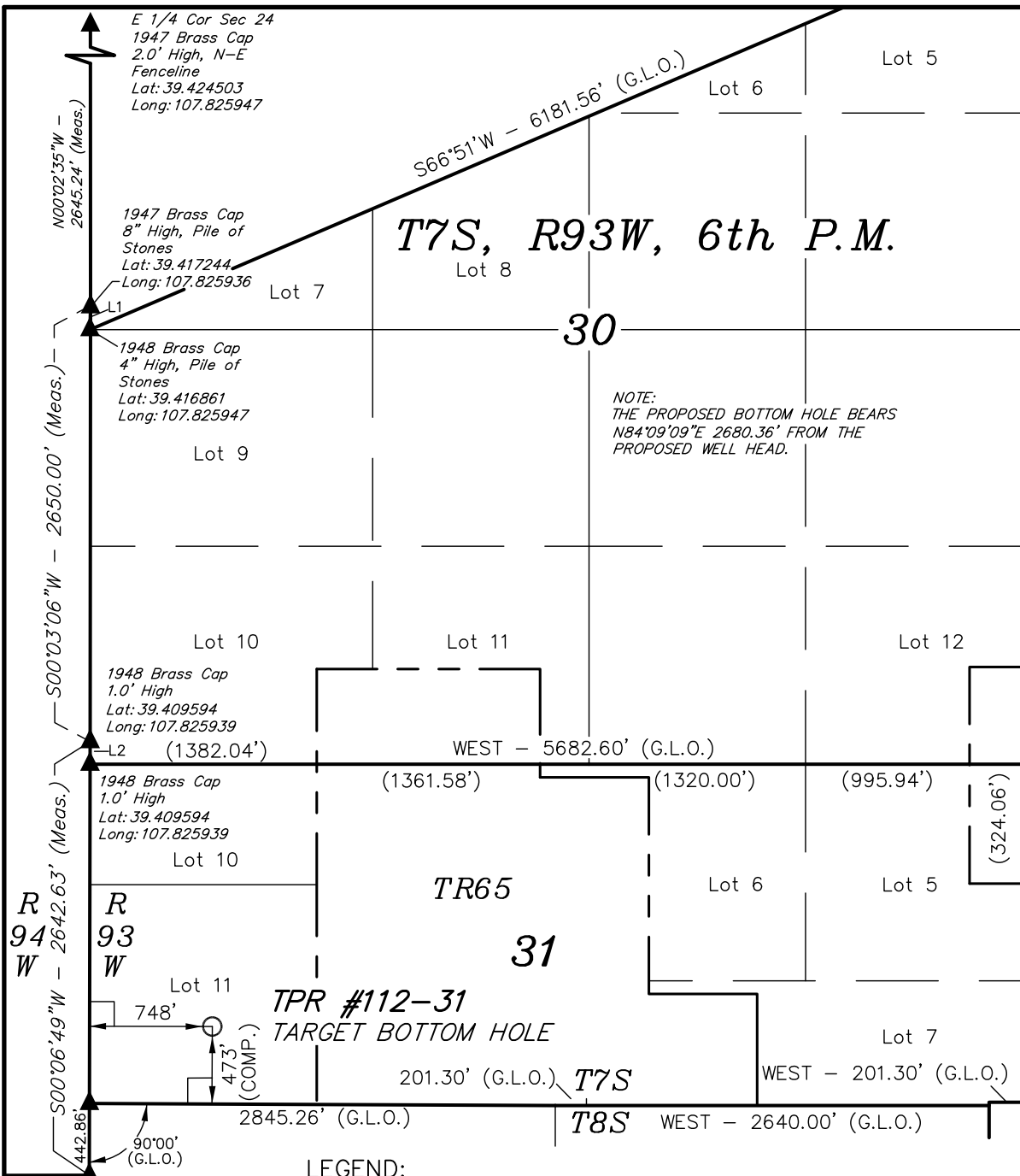
LATITUDE = 39°24'16.04" (39.404456)

LONGITUDE = 107°49'57.84" (107.832733)

NAD 27 (SURFACE LOCATION)

LATITUDE = 39°24'16.11" (39.404475)

LONGITUDE = 107°49'55.60" (107.832111)



1920 Brass Cap  
1.3' High  
Lat: 39.402717  
Long: 107.825950

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

NAD 83 (TARGET BOTTOM HOLE)
LATITUDE = 39°24'18.75" (39.405208)
LONGITUDE = 107°49'23.88" (107.823300)
NAD 27 (TARGET BOTTOM HOLE)
LATITUDE = 39°24'18.83" (39.405231)
LONGITUDE = 107°49'21.65" (107.822681)

# BLACK DIAMOND MINERALS, LLC

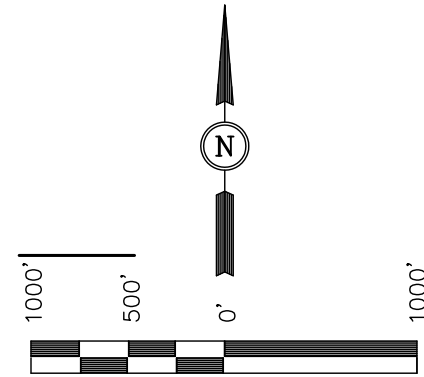
Well location, TPR #112-31 (TARGET BOTTOM HOLE), located as shown in Lot 11 of Section 31, T7S, R93W, 6th P.M., Garfield County, Colorado.

## BASIS OF ELEVATION

BENCH MARK LOCATED IN THE NE 1/4 OF SECTION 36, T5S, R93W, 6th P.M. TAKEN FROM THE RIFLE QUADRANGLE, COLORADO, GARFIELD COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5546.19 FEET.

## BASIS OF BEARINGS

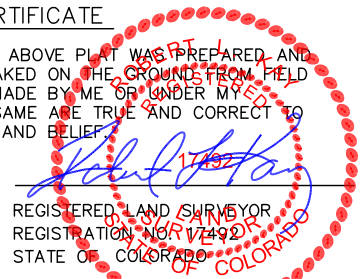
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



## TR66

### CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED AND LOCATION AS SHOWN WAS STAKED ON THE GROUND 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.



Revised: 04-16-10 C.H.  
Revised: 08-04-08 D.R.B.

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

SCALE 1" = 1000'	DATE SURVEYED: 03-24-08	DATE DRAWN: 04-02-08
PARTY B.J. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE BLACK DIAMOND MINERALS, LLC	

T7S, R94W, 6th P.M.

## BLACK DIAMOND MINERALS, LLC

Well location, TPR #112-6 (SURFACE LOCATION), located as shown in the SW 1/4 SE 1/4 of Section 25, T7S, R94W, 6th P.M., Garfield County, Colorado.

### BASIS OF ELEVATION

BENCH MARK LOCATED IN THE NE 1/4 OF SECTION 36, T5S, R93W, 6th P.M. TAKEN FROM THE RIFLE QUADRANGLE, COLORADO, GARFIELD COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5546.19 FEET.

### BASIS OF BEARINGS

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



SCALE

### CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED AND LOCATION AS SHOWN WAS STAKED ON THE GROUND 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. 17492  
STATE OF COLORADO  
07-22-13

REVISED: 07-22-13 A.D.  
REVISED: 05-07-10

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

SCALE 1" = 1000'	DATE SURVEYED: 04-18-08	DATE DRAWN: 04-19-10
PARTY B.J. C.H.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE BLACK DIAMOND MINERALS, LLC	

S89°46'W - 5322.30' (G.L.O.)

LINE TABLE		
LINE	BEARING	LENGTH
L1	N01°22'34"E	138.91'
L2	N00°17'33"E	137.31'
L3	S00°35'27"E	437.55'

NOTE:  
SEE ADDENDUM TO LEGAL PLAT FOR  
EXISTING IMPROVEMENTS WITHIN 400'  
OF THE PROPOSED DISTURBANCE.

1920 Brass Cap  
1.8' High  
Lat: 39.409997  
Long: 107.844758

NOTE:  
THE PROPOSED BOTTOM HOLE FOR THIS WELL  
IS LOCATED IN LOT 12 OF SECTION 6, T8S,  
R93W, 6th P.M. AT A DISTANCE OF 1261' FNL  
300' FWL. IT BEARS S67°01'45"E 2371.35'  
FROM THE PROPOSED WELL HEAD.

TPR #112-6  
Elev. Ungraded Ground = 9131'

1920 Brass Cap  
1.7' High  
Lat: 39.402706  
Long: 107.835361

1920 Brass Cap, 1.3' High  
Lat: 39.402717  
Long: 107.825950

NAD 83 (SURFACE LOCATION)	
LATITUDE	= 39°24'15.72" (39.404367)
LONGITUDE	= 107°49'57.42" (107.832617)
NAD 27 (SURFACE LOCATION)	
LATITUDE	= 39°24'15.79" (39.404386)
LONGITUDE	= 107°49'55.18" (107.831994)

PDOP = 3.7

### LEGEND:

└─ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

Target  
Bottom Hole

SOUTH - 2640.00' (G.L.O.)

N00°03'48"W - 2652.87' (Meas.)

W.C.  
1920 Brass Cap  
1.0' High  
Lat: 39.402600  
Long: 107.844742

E 1/4 Cor Sec 24  
1947 Brass Cap 2.0'  
High, N-E Fenceline  
Lat: 39.424503  
Long: 107.825947

1947 Brass Cap 8"  
High, Pile of Stones  
Lat: 39.417244  
Long: 107.825936

1948 Brass Cap  
4" High, Pile of  
Stones  
Lat: 39.416861  
Long: 107.825947

Lot 1

Lot 2

1920 Brass Cap  
0.9' High  
Lat: 39.409969  
Long: 107.825939

C.C. SW Cor Sec 30  
1948 Brass Cap  
1.0' High  
Lat: 39.409594  
Long: 107.825939

Lot 3

Lot 4

C.C. SW Cor Sec 31,  
1947 Brass  
Cap, 1.7' High  
Lat: 39.403919  
Long: 107.825967

Long: 107.825967

Long: 107.825967



Sec. 25

T8S, R93W, 6th P.M.

BLACK DIAMOND MINERALS, LLC

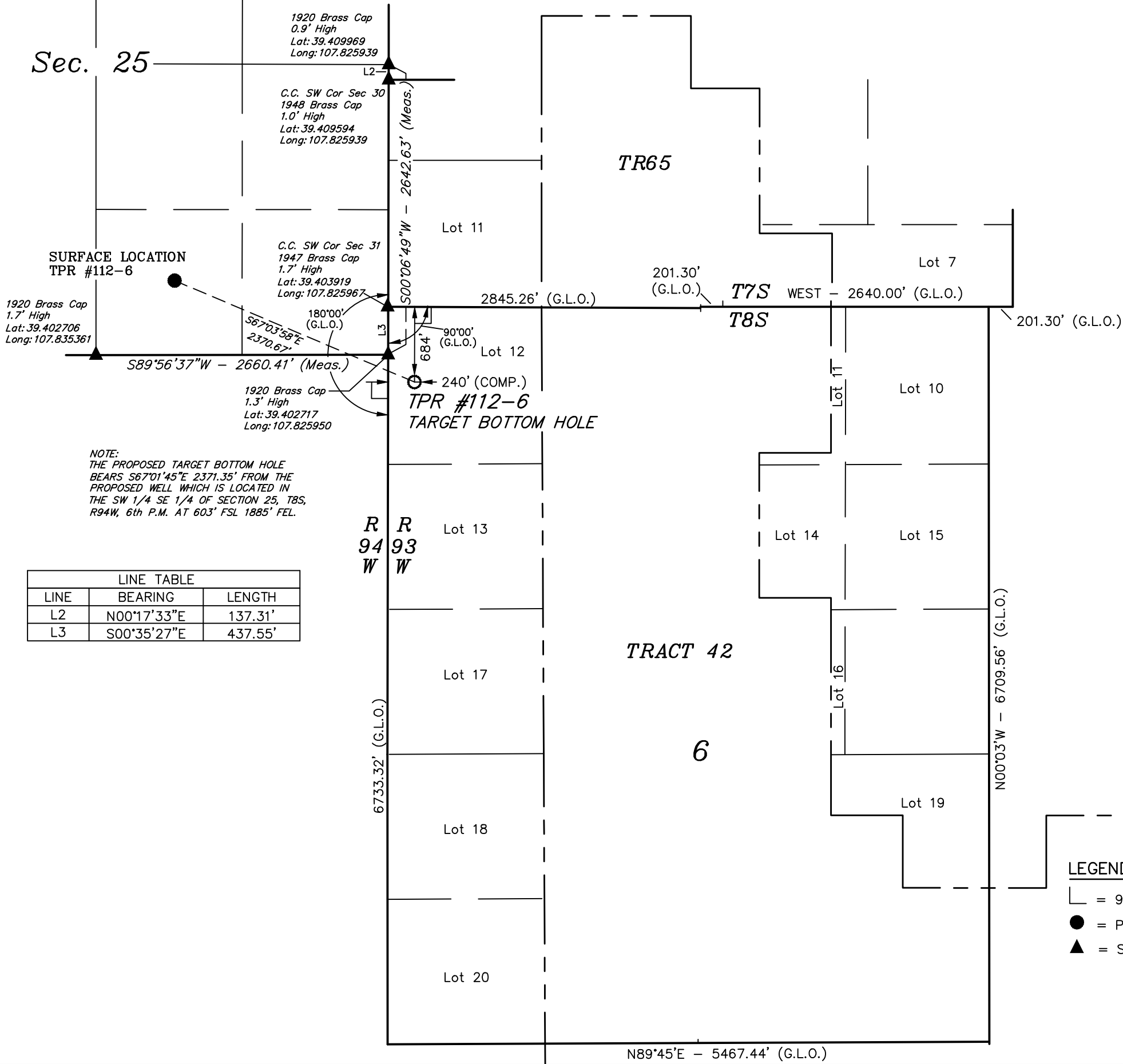
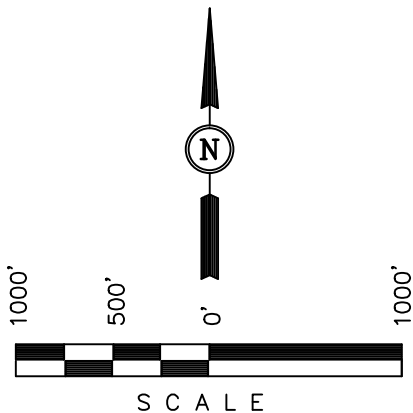
Well location, TPR #112-6 (TARGET BOTTOM HOLE), located as shown in Lot 12 of Section 6, T8S, R93W, 6th P.M., Garfield County, Colorado.

BASIS OF ELEVATION

BENCH MARK LOCATED IN THE NE 1/4 OF SECTION 36, T5S, R93W, 6th P.M. TAKEN FROM THE RIFLE QUADRANGLE, COLORADO, GARFIELD COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5546.19 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	= 39°24'06.60" (39.401833)
LONGITUDE	= 107°49'29.61" (107.824892)
NAD 27 (TARGET BOTTOM HOLE)	
LATITUDE	= 39°24'06.68" (39.401856)
LONGITUDE	= 107°49'27.37" (107.824269)

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED AND LOCATION AS SHOWN WAS STAKED ON THE GROUND 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. 17492  
STATE OF COLORADO

REVISED: 07-22-13 A.D.  
REVISED: 05-07-10

UINTAH ENGINEERING & LAND SURVEYING 85 SOUTH 200 EAST - VERNAL, UTAH 84078 (435) 789-1017		
SCALE 1" = 1000'	DATE SURVEYED: 03-24-08	DATE DRAWN: 04-19-10
PARTY B.J. C.H.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE BLACK DIAMOND MINERALS, LLC	

T7S, R94W, 6th P.M.

E 1/4 Cor Sec 24  
1947 Brass Cap 2.0'  
High, N-E Fenceline  
Lat: 39.424503  
Long: 107.825947  
1947 Brass Cap 8"  
High, Pile of Stones  
Lat: 39.417244  
Long: 107.825936

BLACK DIAMOND MINERALS, LLC

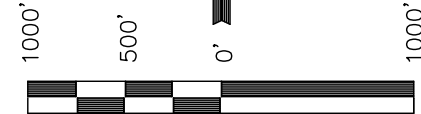
Well location, TPR #151-36 (SURFACE LOCATION), located as shown in the SW 1/4 SE 1/4 of Section 25, T7S, R94W, 6th P.M., Garfield County, Colorado.

BASIS OF ELEVATION

BENCHMARK LOCATED IN THE NE 1/4 OF SECTION 36, T5S, R93W, 6th P.M. TAKEN FROM THE RIFLE, QUADRANGLE, COLORADO, GARFIELD COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5546.19 FEET.

BASIS OF BEARINGS

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



SCALE

CERTIFICATE

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

REGISTERED LAND SURVEYOR  
REGISTRATION NO. 17492  
STATE OF COLORADO

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

SCALE 1" = 1000'	DATE SURVEYED: 03-23-10	DATE DRAWN: 04-16-10
PARTY B.J. G.O. C.H.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE BLACK DIAMOND MINERALS, LLC	

S89°57'W - 5322.30' (G.L.O.)

LINE TABLE		
LINE	BEARING	LENGTH
L1	N01°22'34"E	138.91'
L2	N00°17'33"E	137.31'

NOTE:  
SEE ADDENDUM TO LEGAL PLAT FOR  
EXISTING IMPROVEMENTS WITHIN 400'  
OF THE PROPOSED DISTURBANCE.

1920 Brass Cap  
1.8' High  
Lat: 39.409997  
Long: 107.844758

NOTE:  
THE PROPOSED BOTTOM HOLE FOR THIS WELL  
IS LOCATED IN LOT 2 OF SECTION 36, T7S, R94W,  
6th P.M. AT A DISTANCE OF 100' FNL  
2340' FEL. IT BEARS S29°01'11"W 867.16' FROM  
THE PROPOSED WELL HEAD.

TPR #151-36

Elev. Ungraded Ground = 9129'

1920 Brass Cap  
1.7' High  
Lat: 39.402706  
Long: 107.835361

1948 Brass Cap  
4" High, Pile of  
Stones  
Lat: 39.416861  
Long: 107.825947

Lot 1

Lot 2

1920 Brass Cap  
0.9' High  
Lat: 39.409969  
Long: 107.825939

1948 Brass Cap  
1.0' High  
Lat: 39.409594  
Long: 107.825939

Lot 3

Lot 4

1920 Brass Cap  
1.3' High  
Lat: 39.402717  
Long: 107.825950

42.9'  
SOUTH  
N89°52'16"W - 2651.24' (Meas.)  
W.C.  
1920 Brass Cap  
1.0' High  
Lat: 39.402600  
Long: 107.844742

S89°56'37"W - 2660.41' (Meas.)

R  
94  
W  
R  
93  
W

LEGEND:


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

PDOP = 3.7

NAD 83 (SURFACE LOCATION)	
LATITUDE	= 39°24'16.25" (39.404514)
LONGITUDE	= 107°49'57.87" (107.832742)
NAD 27 (SURFACE LOCATION)	
LATITUDE	= 39°24'16.33" (39.404536)
LONGITUDE	= 107°49'55.64" (107.832122)

E 1/4 Cor. Sec. 25  
1920 Brass Cap  
0.9' High  
Lat: 39.409969  
Long: 107.825939

1920 Brass Cap  
1.7' High  
Lat: 39.402706  
Long: 107.835361

42.9' SOUTH 

$1589^{\circ}56'37''W - 2660.41'$  (Meas.)

S.  $N00^{\circ}06'49"E$   
2642.63' (Meas.)  
180°00'  
(G.L.O.)

W.C.  
1920 Brass Cap  
1.0' High  
Lat: 39.402600  
Long: 107.844742

TPR #151-36  
TARGET BOTTOM HOLE

2340'
(COMP.)

Lot 2

Lot 1

NOTE:  
THE PROPOSED BOTTOM HOLE FOR THIS  
WELL BEARS S29°01'11"W 867.16' FROM  
THE PROPOSED WELL HEAD.

Lot 3

Lot 4

36

LINE TABLE		
LINE	BEARING	LENGTH
L1	S72°42'27"E	335.36'

Lot 6

Lot 5

Lot 7

Lot 8

$$\frac{T7S}{T8S}$$

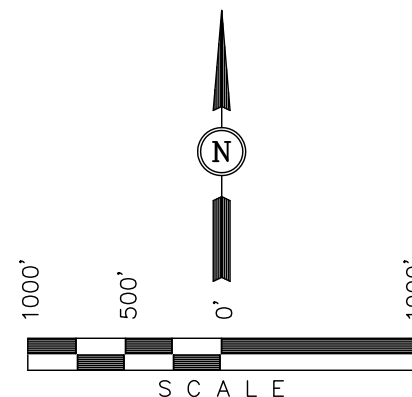
N89°24'E - 5202.12' (G.L.O.)

$R$	$R$
$94$	$93$
$W$	$W$

Well location, TPR #151-36 (TARGET BOTTOM HOLE), located as shown in Lot 2 of Section 36, T7S, R94W, 6th P.M., Garfield County, Colorado.

BENCHMARK LOCATED IN THE NE 1/4 OF SECTION 36,  
T5S, R93W, 6th P.M. TAKEN FROM THE RIFLE, QUADRANGLE,  
COLORADO, GARFIELD COUNTY, 7.5 MINUTE SERIES  
(TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES  
DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID  
ELEVATION IS MARKED AS BEING 5546.19 FEET.

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



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

REGISTERED LAND SURVEYOR  
REGISTRATION NO. 17492  
STATE OF COLORADO

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

SCALE  
1" = 1000'

DATE SURVEYED: 03-23-10	DATE DRAWN: 04-16-10
----------------------------	-------------------------

PARTY	B.J.	G.O.	C.H.
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REFERENCES	G.L.O. PLAT
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WEATHER	COOL
---------	------

FILE
BLACK DIAMOND MINERALS, LLC

**LEGEND:**

**L** = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

<b>NAD 83 (SURFACE LOCATION)</b>	
LATITUDE	= 39°24'08.76" (39.402433)
LONGITUDE	= 107°50'03.22" (107.834228)
<b>NAD 27 (SURFACE LOCATION)</b>	
LATITUDE	= 39°24'08.83" (39.402453)
LONGITUDE	= 107°50'00.99" (107.833608)



T7S, R94W, 6th P.M.

E 1/4 Cor Sec 24  
1947 Brass Cap 2.0'  
High, N-E Fenceline  
Lat: 39.424503  
Long: 107.825947  
1947 Brass Cap 8"  
High, Pile of Stones  
Lat: 39.417244  
Long: 107.825936

BLACK DIAMOND MINERALS, LLC

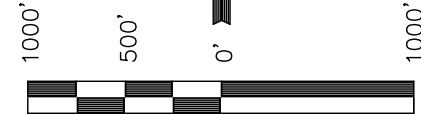
Well location, TPR #171-36 (SURFACE LOCATION), located as shown in the SW 1/4 SE 1/4 of Section 25, T7S, R94W, 6th P.M., Garfield County, Colorado.

BASIS OF ELEVATION

BENCHMARK LOCATED IN THE NE 1/4 OF SECTION 36, T5S, R93W, 6th P.M. TAKEN FROM THE RIFLE, QUADRANGLE, COLORADO, GARFIELD COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5546.19 FEET.

BASIS OF BEARINGS

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



SCALE

CERTIFICATE

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

REGISTERED LAND SURVEYOR  
REGISTRATION NO. 17492  
STATE OF COLORADO

S89°57'W - 5322.30' (G.L.O.)

LINE TABLE		
LINE	BEARING	LENGTH
L1	N01°22'34"E	138.91'
L2	N00°17'33"E	137.31'

NOTE:  
SEE ADDENDUM TO LEGAL PLAT FOR EXISTING IMPROVEMENTS WITHIN 400' OF THE PROPOSED DISTURBANCE.

1920 Brass Cap  
1.8' High  
Lat: 39.409997  
Long: 107.844758

NOTE:  
THE PROPOSED BOTTOM HOLE FOR THIS WELL IS LOCATED IN LOT 1 OF SECTION 36, T7S, R94W, 6th P.M. AT A DISTANCE OF 200' FNL 1000' FEL. IT BEARS S46°41'06"E 1285.79' FROM THE PROPOSED WELL HEAD.

TPR #171-36

Elev. Ungraded Ground = 9129'

1920 Brass Cap  
1.7' High  
Lat: 39.402706  
Long: 107.835361

42.9' SOUTH  
N89°52'16"W - 2651.24' (Meas.)  
W.C.  
1920 Brass Cap  
1.0' High  
Lat: 39.402600  
Long: 107.844742

S89°56'37"W - 2660.41' (Meas.)

1920 Brass Cap  
1.3' High  
Lat: 39.402717  
Long: 107.825950

R 94 W  
R 93 W

LEGEND:

└─┘ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

NAD 83 (SURFACE LOCATION)

LATITUDE = 39°24'16.50" (39.404583)  
LONGITUDE = 107°49'58.08" (107.832800)

NAD 27 (SURFACE LOCATION)

LATITUDE = 39°24'16.58" (39.404606)  
LONGITUDE = 107°49'55.85" (107.832181)

PDOP = 3.7

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

SCALE 1" = 1000'	DATE SURVEYED: 03-23-10	DATE DRAWN: 04-16-10
PARTY B.J. G.O. C.H.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE BLACK DIAMOND MINERALS, LLC	

T7S, R94W, 6th P.M.

1920 Brass Cap  
1.7' High  
Lat: 39.402706  
Long: 107.835361

E 1/4 Cor. Sec. 25  
1920 Brass Cap  
0.9' High  
Lat: 39.409969  
Long: 107.825939

True Position  
N89°52'16"W - 2651.24' (Meas.)  
42.9' SOUTH

S89°56'37"W  
2660.41' (Meas.)

N00°06'49"E  
2642.63' (Meas.)  
180°00' (G.L.O.)

W.C.  
1920 Brass Cap  
1.0' High  
Lat: 39.402600  
Long: 107.844742

TPR #171-36  
TARGET BOTTOM HOLE

1000'  
(COMP.)  
200'

Lot 2

Lot 1

Lot 3

Lot 4

Lot 6

Lot 5

Lot 7

Lot 8

NOTE:  
THE PROPOSED BOTTOM HOLE FOR THIS  
WELL BEARS S46°41'06"E 1285.79' FROM  
THE PROPOSED WELL HEAD.

LINE TABLE

LINE	BEARING	LENGTH
L1	S78°38'25"W	1020.39'

36

S00°01'W - 5129.52' (G.L.O.)

5008.08' (G.L.O.)

T7S  
T8S

N89°24'E - 5202.12' (G.L.O.)

R  
94  
W

R  
93  
W

BLACK DIAMOND MINERALS, LLC

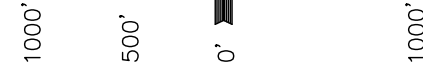
Well location, TPR #171-36 (TARGET BOTTOM HOLE), located as shown in Lot 1 of Section 36, T7S, R94W, 6th P.M., Garfield County, Colorado.

BASIS OF ELEVATION

BENCHMARK LOCATED IN THE NE 1/4 OF SECTION 36, T5S, R93W, 6th P.M. TAKEN FROM THE RIFLE, QUADRANGLE, COLORADO, GARFIELD COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5546.19 FEET.

BASIS OF BEARINGS

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



SCALE

CERTIFICATE

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

REGISTERED LAND SURVEYOR  
REGISTRATION NO. 17492  
STATE OF COLORADO

UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 03-23-10	DATE DRAWN: 04-16-10
PARTY B.J. G.O. C.H.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE BLACK DIAMOND MINERALS, LLC	

LEGEND:



= 90° SYMBOL



= PROPOSED WELL HEAD.



= SECTION CORNERS LOCATED.

NAD 83 (SURFACE LOCATION)

LATITUDE = 39°24'07.79" (39.402164)  
LONGITUDE = 107°49'46.16" (107.829489)

NAD 27 (SURFACE LOCATION)

LATITUDE = 39°24'07.87" (39.402186)  
LONGITUDE = 107°49'43.93" (107.828869)

T7S, R94W, 6th P.M.

E 1/4 Cor Sec 24  
1947 Brass Cap 2.0'  
High, N-E Fenceline  
Lat: 39.424503  
Long: 107.825947  
1947 Brass Cap 8"  
High, Pile of Stones  
Lat: 39.417244  
Long: 107.825936

BLACK DIAMOND MINERALS, LLC

Well location, TPR #176-25, located as shown in the SW 1/4 SE 1/4 of Section 25, T7S, R94W, 6th P.M., Garfield County, Colorado.

S89°57'W - 5322.30' (G.L.O.)

BASIS OF ELEVATION

BENCHMARK LOCATED IN THE NE 1/4 OF SECTION 36, T5S, R93W, 6th P.M. TAKEN FROM THE RIFLE, QUADRANGLE, COLORADO, GARFIELD COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5546.19 FEET.

BASIS OF BEARINGS

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

LINE TABLE		
LINE	BEARING	LENGTH
L1	N01°22'34"E	138.91'
L2	N00°17'33"E	137.31'

NOTE:  
SEE ADDENDUM TO LEGAL PLAT FOR  
EXISTING IMPROVEMENTS WITHIN 400'  
OF THE PROPOSED DISTURBANCE.

25

1920 Brass Cap  
1.8' High  
Lat: 39.409997  
Long: 107.844758

1948 Brass Cap  
4" High, Pile of  
Stones  
Lat: 39.416861  
Long: 107.825947

Lot 1

Lot 2

1920 Brass Cap  
0.9' High  
Lat: 39.409969  
Long: 107.825939

1948 Brass Cap  
1.0' High  
Lat: 39.409594  
Long: 107.825939

Lot 3

Target Bottom Hole

TPR #176-25

Elev. Ungraded Ground = 9129'

1920 Brass Cap  
1.7' High  
Lat: 39.402706  
Long: 107.835361

Lot 4

1920 Brass Cap  
1.3' High  
Lat: 39.402717  
Long: 107.825950

REVISED: 07-22-13 A.D.  
REVISED: 05-07-10



SCALE

CERTIFICATE

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

REGISTERED LAND SURVEYOR  
REGISTRATION NO. 17492  
STATE OF COLORADO  
07-22-13

42.9'  
SOUTH  
W.C.  
1920 Brass Cap  
1.0' High  
Lat: 39.402600  
Long: 107.844742

N89°52'16"W - 2651.24' (Meas.)

S89°56'37"W - 2660.41' (Meas.)

R  
94  
W  
R  
93  
W

PDOP = 3.7

LEGEND:

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

NAD 83 (TARGET BOTTOM HOLE)		NAD 83 (SURFACE LOCATION)	
LATITUDE = 39°24'26.47" (39.407353)		LATITUDE = 39°24'16.42" (39.404561)	
LONGITUDE = 107°49'46.14" (107.829483)		LONGITUDE = 107°49'58.01" (107.832781)	
NAD 27 (TARGET BOTTOM HOLE)		NAD 27 (SURFACE LOCATION)	
LATITUDE = 39°24'26.54" (39.407372)		LATITUDE = 39°24'16.49" (39.404581)	
LONGITUDE = 107°49'43.91" (107.828864)		LONGITUDE = 107°49'55.78" (107.832161)	

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

SCALE 1" = 1000'	DATE SURVEYED: 03-23-10	DATE DRAWN: 04-16-10
PARTY B.J. G.O. C.H.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE BLACK DIAMOND MINERALS, LLC	

T7S, R94W, 6th P.M.

E 1/4 Cor Sec 24  
1947 Brass Cap 2.0'  
High, N-E Fenceline  
Lat: 39.424503  
Long: 107.825947  
1947 Brass Cap 8"  
High, Pile of Stones  
Lat: 39.417244  
Long: 107.825936

BLACK DIAMOND MINERALS, LLC

Well location, TPR #177-25, located as shown in the SW 1/4 SE 1/4 of Section 25, T7S, R94W, 6th P.M., Garfield County, Colorado.

S89°57'W - 5322.30' (G.L.O.)

BASIS OF ELEVATION

BENCHMARK LOCATED IN THE NE 1/4 OF SECTION 36, T5S, R93W, 6th P.M. TAKEN FROM THE RIFLE, QUADRANGLE, COLORADO, GARFIELD COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5546.19 FEET.

BASIS OF BEARINGS

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

LINE TABLE		
LINE	BEARING	LENGTH
L1	N01°22'34"E	138.91'
L2	N00°17'33"E	137.31'

NOTE:  
SEE ADDENDUM TO LEGAL PLAT FOR  
EXISTING IMPROVEMENTS WITHIN 400'  
OF THE PROPOSED DISTURBANCE.

25

1920 Brass Cap  
1.8' High  
Lat: 39.409997  
Long: 107.844758

1948 Brass Cap  
4" High, Pile of  
Stones  
Lat: 39.416861  
Long: 107.825947

Lot 1

Lot 2

1920 Brass Cap  
0.9' High  
Lat: 39.409969  
Long: 107.825939

1948 Brass Cap  
1.0' High  
Lat: 39.409594  
Long: 107.825939

Lot 3

Bottom Hole

TPR #177-25

Elev. Ungraded Ground = 9129'

1920 Brass Cap  
1.7' High  
Lat: 39.402706  
Long: 107.835361

1920 Brass Cap  
1.3' High  
Lat: 39.402717  
Long: 107.825950

Lot 4

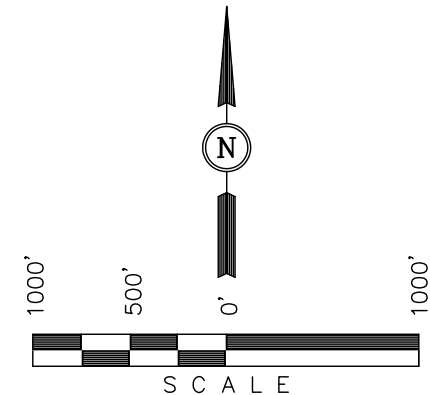
42.9'  
SOUTH  
W.C.  
1920 Brass Cap  
1.0' High  
Lat: 39.402600  
Long: 107.844742

N89°52'16"W - 2651.24' (Meas.)

S89°56'37"W - 2660.41' (Meas.)

R  
94  
W  
R  
93  
W

PDOP = 3.7



CERTIFICATE

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

REGISTERED LAND SURVEYOR  
REGISTRATION NO. 17492  
STATE OF COLORADO

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 = 39°24'20.54" (39.405706)	LATITUDE = 39°24'15.95" (39.404431)
LONGITUDE = 107°49'46.14" (107.829483)	LONGITUDE = 107°49'57.76" (107.832711)
NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (SURFACE LOCATION)
LATITUDE = 39°24'20.61" (39.405725)	LATITUDE = 39°24'16.03" (39.404453)
LONGITUDE = 107°49'43.90" (107.828861)	LONGITUDE = 107°49'55.53" (107.832092)

SCALE 1" = 1000'	DATE SURVEYED: 03-23-10	DATE DRAWN: 04-16-10
PARTY B.J. G.O. C.H.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE BLACK DIAMOND MINERALS, LLC	

T7S, R94W, 6th P.M.

E 1/4 Cor Sec 24  
1947 Brass Cap 2.0'  
High, N-E Fenceline  
Lat: 39.424503  
Long: 107.825947  
1947 Brass Cap 8"  
High, Pile of Stones  
Lat: 39.417244  
Long: 107.825936

BLACK DIAMOND MINERALS, LLC

Well location, TPR #178-25, located as shown in the SW 1/4 SE 1/4 of Section 25, T7S, R94W, 6th P.M., Garfield County, Colorado.

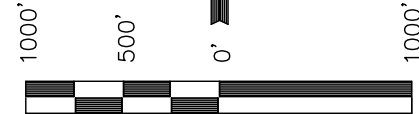
S89°57'W - 5322.30' (G.L.O.)

BASIS OF ELEVATION

BENCHMARK LOCATED IN THE NE 1/4 OF SECTION 36, T5S, R93W, 6th P.M. TAKEN FROM THE RIFLE, QUADRANGLE, COLORADO, GARFIELD COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5546.19 FEET.

BASIS OF BEARINGS

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



SCALE

CERTIFICATE

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

REGISTERED LAND SURVEYOR  
REGISTRATION NO. 17492  
STATE OF COLORADO

UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 03-23-10	DATE DRAWN: 04-16-10
PARTY B.J. G.O. C.H.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE BLACK DIAMOND MINERALS, LLC	

LEGEND:

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

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 39°24'14.96" (39.404156)	LATITUDE = 39°24'16.20" (39.404500)
LONGITUDE = 107°49'46.15" (107.829486)	LONGITUDE = 107°49'57.98" (107.832772)
NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (SURFACE LOCATION)
LATITUDE = 39°24'15.03" (39.404175)	LATITUDE = 39°24'16.28" (39.404522)
LONGITUDE = 107°49'43.91" (107.828864)	LONGITUDE = 107°49'55.74" (107.832150)

LINE TABLE		
LINE	BEARING	LENGTH
L1	N01°22'34"E	138.91'
L2	N00°17'33"E	137.31'
L3	S82°13'28"E	937.24'

NOTE:  
SEE ADDENDUM TO LEGAL PLAT FOR  
EXISTING IMPROVEMENTS WITHIN 400'  
OF THE PROPOSED DISTURBANCE.

25

TPR #178-25

Elev. Ungraded Ground = 9129'

Bottom Hole

1920 Brass Cap  
1.7' High  
Lat: 39.402706  
Long: 107.835361

1920 Brass Cap  
1.3' High  
Lat: 39.402717  
Long: 107.825950

PDOP = 3.7

T7S, R94W, 6th P.M.

S89°46'W - 5322.30' (G.L.O.)

E 1/4 Cor Sec 24  
1947 Brass Cap 2.0'  
High, N-E Fenceline  
Lat: 39.424503  
Long: 107.825947

1947 Brass Cap 8"  
High, Pile of Stones  
Lat: 39.417244  
Long: 107.825936

1948 Brass Cap  
4" High, Pile of  
Stones  
Lat: 39.416861  
Long: 107.825947

Lot 1

Lot 2

1920 Brass Cap  
0.9' High  
Lat: 39.409969  
Long: 107.825939

C.C. SW Cor Sec 30  
1948 Brass Cap  
1.0' High  
Lat: 39.409594  
Long: 107.825939

Lot 3

Lot 4

1934'  
C.C. SW Cor Sec 31  
1947 Brass Cap  
1.7' High  
Lat: 39.403919  
Long: 107.825967

1920 Brass Cap  
1.7' High  
Lat: 39.402706  
Long: 107.835361

1920 Brass Cap  
1.3' High  
Lat: 39.402717  
Long: 107.825950

NAD 83 (SURFACE LOCATION)  
LATITUDE = 39°24'16.28" (39.404522)  
LONGITUDE = 107°49'58.04" (107.832789)  
NAD 27 (SURFACE LOCATION)  
LATITUDE = 39°24'16.36" (39.404544)  
LONGITUDE = 107°49'55.81" (107.832169)

PDOP = 3.7

## BLACK DIAMOND MINERALS, LLC

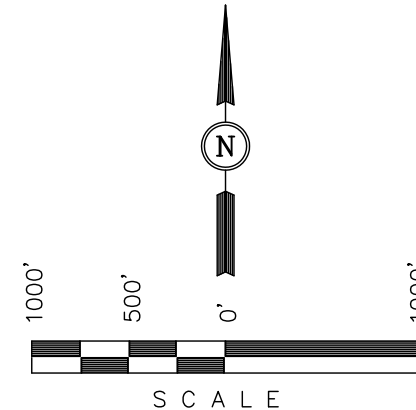
Well location, TPR #211-6 (SURFACE LOCATION), located as shown in the SW 1/4 SE 1/4 of Section 25, T7S, R94W, 6th P.M., Garfield County, Colorado.

### BASIS OF ELEVATION

BENCH MARK LOCATED IN THE NE 1/4 OF SECTION 36, T5S, R93W, 6th P.M. TAKEN FROM THE RIFLE QUADRANGLE, COLORADO, GARFIELD COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5546.19 FEET.

### BASIS OF BEARINGS

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



### CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED AND LOCATION AS SHOWN WAS STAKED ON THE GROUND 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. 17492  
STATE OF COLORADO

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

SCALE 1" = 1000'	DATE SURVEYED: 04-18-08	DATE DRAWN: 04-19-10
PARTY B.J. C.H.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE BLACK DIAMOND MINERALS, LLC	

### LEGEND:

└─┘ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

LINE TABLE		
LINE	BEARING	LENGTH
L1	N01°22'34"E	138.91'
L2	N00°17'33"E	137.31'
L3	S00°35'27"E	437.55'

NOTE:  
SEE ADDENDUM TO LEGAL PLAT FOR  
EXISTING IMPROVEMENTS WITHIN 400'  
OF THE PROPOSED DISTURBANCE.

1920 Brass Cap  
1.8' High  
Lat: 39.409997  
Long: 107.844758

NOTE:  
THE PROPOSED BOTTOM HOLE FOR THIS WELL  
IS LOCATED IN LOT 12 OF SECTION 6, T8S,  
R93W, 6th P.M. AT A DISTANCE OF 200' FNL  
300' FWL. IT BEARS S79°16'37"E 2273.18'  
FROM THE PROPOSED WELL HEAD.

TPR #211-6

Elev. Ungraded Ground = 9129'

42.9'  
SOUTH

W.C.  
1920 Brass Cap  
1.0' High  
Lat: 39.402600  
Long: 107.844742



T8S, R93W, 6th P.M.

BLACK DIAMOND MINERALS, LLC

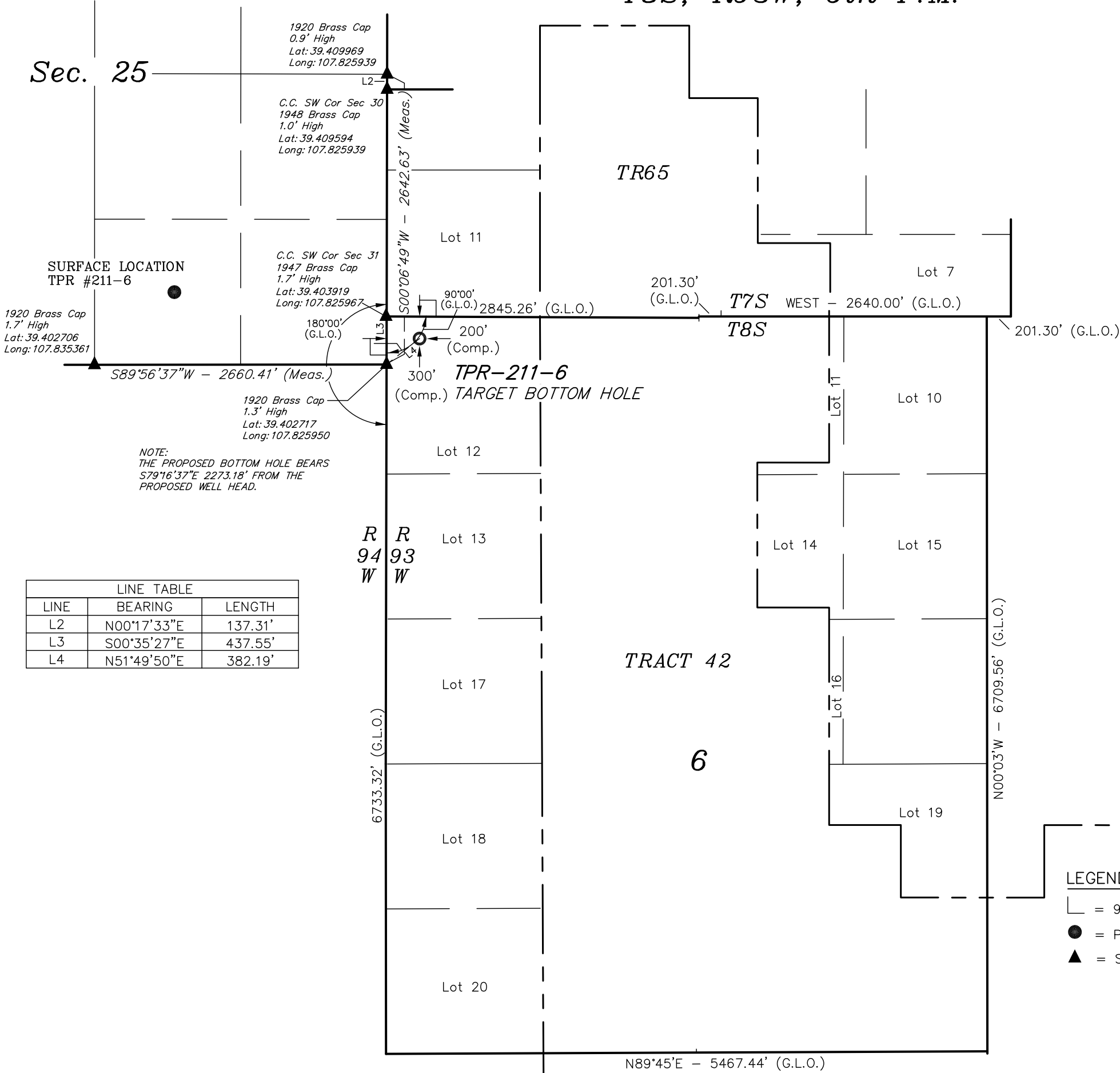
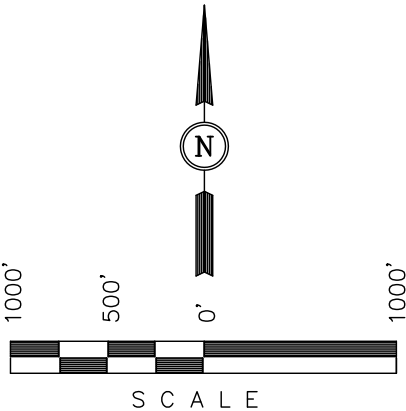
Well location, TPR #211-6 (TARGET BOTTOM HOLE), located as shown in Lot 12 of Section 6, T8S, R93W, 6th P.M., Garfield County, Colorado.

BASIS OF ELEVATION

BENCH MARK LOCATED IN THE NE 1/4 OF SECTION 36, T5S, R93W, 6th P.M. TAKEN FROM THE RIFLE QUADRANGLE, COLORADO, GARFIELD COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5546.19 FEET.

BASIS OF BEARINGS

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



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED AND LOCATION AS SHOWN WAS STAKED ON THE GROUND 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. 17492  
STATE OF COLORADO

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

SCALE 1" = 1000'	DATE SURVEYED: 03-24-08	DATE DRAWN: 04-19-10
PARTY B.J. C.H.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE BLACK DIAMOND MINERALS, LLC	

T7S, R94W, 6th P.M.

E 1/4 Cor Sec 24  
1947 Brass Cap 2.0'  
High, N-E Fenceline  
Lat: 39.424503  
Long: 107.825947  
1947 Brass Cap 8"  
High, Pile of Stones  
Lat: 39.417244  
Long: 107.825936

BLACK DIAMOND MINERALS, LLC

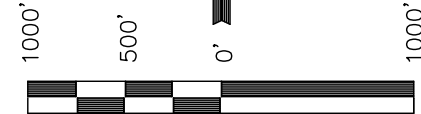
Well location, TPR #271-36 (SURFACE LOCATION), located as shown in the SW 1/4 SE 1/4 of Section 25, T7S, R94W, 6th P.M., Garfield County, Colorado.

BASIS OF ELEVATION

BENCHMARK LOCATED IN THE NE 1/4 OF SECTION 36, T5S, R93W, 6th P.M. TAKEN FROM THE RIFLE, QUADRANGLE, COLORADO, GARFIELD COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5546.19 FEET.

BASIS OF BEARINGS

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



SCALE

CERTIFICATE

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REGISTERED LAND SURVEYOR  
REGISTRATION NO. 17492  
STATE OF COLORADO

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

SCALE 1" = 1000'	DATE SURVEYED: 03-23-10	DATE DRAWN: 04-16-10
PARTY B.J. G.O. C.H.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE BLACK DIAMOND MINERALS, LLC	

S89°57'W - 5322.30' (G.L.O.)

LINE TABLE		
LINE	BEARING	LENGTH
L1	N01°22'34"E	138.91'
L2	N00°17'33"E	137.31'

NOTE:  
SEE ADDENDUM TO LEGAL PLAT FOR  
EXISTING IMPROVEMENTS WITHIN 400'  
OF THE PROPOSED DISTURBANCE.

1920 Brass Cap  
1.8' High  
Lat: 39.409997  
Long: 107.844758

NOTE:  
THE PROPOSED BOTTOM HOLE FOR THIS WELL  
IS LOCATED IN LOT 1 OF SECTION 36, T7S, R94W,  
6th P.M. AT A DISTANCE OF 450' FNL  
1000' FEL. IT BEARS S39°31'14"E 1478.28' FROM  
THE PROPOSED WELL HEAD.

TPR #271-36

Elev. Ungraded Ground = 9129'

1920 Brass Cap  
1.7' High  
Lat: 39.402706  
Long: 107.835361

1948 Brass Cap  
4" High, Pile of  
Stones  
Lat: 39.416861  
Long: 107.825947

Lot 1

Lot 2

1920 Brass Cap  
0.9' High  
Lat: 39.409969  
Long: 107.825939

1948 Brass Cap  
1.0' High  
Lat: 39.409594  
Long: 107.825939

Lot 3

Lot 4

1920 Brass Cap  
1.3' High  
Lat: 39.402717  
Long: 107.825950

42.9'  
SOUTH  
N89°52'16"W - 2651.24' (Meas.)  
W.C.  
1920 Brass Cap  
1.0' High  
Lat: 39.402600  
Long: 107.844742

S89°56'37"W - 2660.41' (Meas.)

R  
94  
W  
R  
93  
W

PDOP = 3.7

NAD 83 (SURFACE LOCATION)	
LATITUDE	= 39°24'16.58" (39.404606)
LONGITUDE	= 107°49'58.15" (107.832819)
NAD 27 (SURFACE LOCATION)	
LATITUDE	= 39°24'16.66" (39.404628)
LONGITUDE	= 107°49'55.92" (107.832200)

LEGEND:

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

T7S, R94W, 6th P.M.

E 1/4 Cor. Sec. 25  
1920 Brass Cap  
0.9' High  
Lat: 39.409969  
Long: 107.825939

1920 Brass Cap  
1.7' High  
Lat: 39.402706  
Long: 107.835361

S89°56'37"W  
2660.41' (Meas.)

N00°06'49"E  
2642.63' (Meas.)

180°00'  
(G.L.O.)

TPR #271-36  
TARGET BOTTOM HOLE

Lot 2

Lot 1

Lot 3

Lot 4

Lot 6

Lot 5

Lot 7

Lot 8

36

T7S  
T8S

N89°24'E - 5202.12' (G.L.O.)

R  
94  
W  
R  
93  
W

BLACK DIAMOND MINERALS, LLC

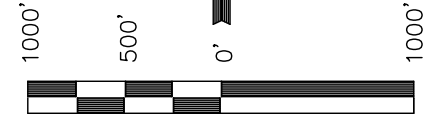
Well location, TPR #271-36 (TARGET BOTTOM HOLE), located as shown in Lot 1 of Section 36, T7S, R94W, 6th P.M., Garfield County, Colorado.

BASIS OF ELEVATION

BENCHMARK LOCATED IN THE NE 1/4 OF SECTION 36, T5S, R93W, 6th P.M. TAKEN FROM THE RIFLE, QUADRANGLE, COLORADO, GARFIELD COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5546.19 FEET.

BASIS OF BEARINGS

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



SCALE

CERTIFICATE

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

REGISTERED LAND SURVEYOR  
REGISTRATION NO. 17492  
STATE OF COLORADO

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

SCALE 1" = 1000'	DATE SURVEYED: 03-23-10	DATE DRAWN: 04-16-10
PARTY B.J. G.O. C.H.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE BLACK DIAMOND MINERALS, LLC	

LEGEND:

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

NAD 83 (SURFACE LOCATION)	
LATITUDE =	39°24'05.32" (39.401478)
LONGITUDE =	107°49'46.16" (107.829489)
NAD 27 (SURFACE LOCATION)	
LATITUDE =	39°24'05.40" (39.401500)
LONGITUDE =	107°49'43.93" (107.828869)

T7S, R94W, 6th P.M.

E 1/4 Cor Sec 24  
1947 Brass Cap 2.0'  
High, N-E Fenceline  
Lat: 39.424503  
Long: 107.825947  
1947 Brass Cap 8"  
High, Pile of Stones  
Lat: 39.417244  
Long: 107.825936

BLACK DIAMOND MINERALS, LLC

Well location, TPR #278-25, located as shown in the SW 1/4 SE 1/4 of Section 25, T7S, R94W, 6th P.M., Garfield County, Colorado.

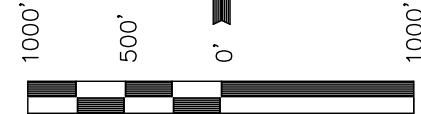
S89°57'W - 5322.30' (G.L.O.)

BASIS OF ELEVATION

BENCHMARK LOCATED IN THE NE 1/4 OF SECTION 36, T5S, R93W, 6th P.M. TAKEN FROM THE RIFLE, QUADRANGLE, COLORADO, GARFIELD COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5546.19 FEET.

BASIS OF BEARINGS

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



SCALE

CERTIFICATE

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REGISTERED LAND SURVEYOR  
REGISTRATION NO. 17492  
STATE OF COLORADO

UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 03-23-10	DATE DRAWN: 04-16-10
PARTY B.J. G.O. C.H.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE BLACK DIAMOND MINERALS, LLC	

LEGEND:

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

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 39°24'10.86" (39.403017)	LATITUDE = 39°24'16.42" (39.404561)
LONGITUDE = 107°49'46.15" (107.829486)	LONGITUDE = 107°49'58.01" (107.832781)
NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (SURFACE LOCATION)
LATITUDE = 39°24'10.93" (39.403036)	LATITUDE = 39°24'16.49" (39.404581)
LONGITUDE = 107°49'43.92" (107.828867)	LONGITUDE = 107°49'55.78" (107.832161)

PDOP = 3.7

LINE TABLE		
LINE	BEARING	LENGTH
L1	N01°22'34"E	138.91'
L2	N00°17'33"E	137.31'

NOTE:  
SEE ADDENDUM TO LEGAL PLAT FOR  
EXISTING IMPROVEMENTS WITHIN 400'  
OF THE PROPOSED DISTURBANCE.

25

TPR #278-25

Elev. Ungraded Ground = 9129'

Bottom Hole

1920 Brass Cap  
1.7' High  
Lat: 39.402706  
Long: 107.835361

Lot 4

1920 Brass Cap  
1.3' High  
Lat: 39.402717  
Long: 107.825950

42.9'  
SOUTH  
W.C.  
1920 Brass Cap  
1.0' High  
Lat: 39.402600  
Long: 107.844742

N89°52'16"W - 2651.24' (Meas.)

S89°56'37"W  
2660.41' (Meas.)

110'

T7S, R94W, 6th P.M.

S89°46'W - 5322.30' (G.L.O.)

E 1/4 Cor Sec 24  
1947 Brass Cap 2.0'  
High, N-E Fenceline  
Lat: 39.424503  
Long: 107.825947

1947 Brass Cap 8"  
High, Pile of Stones  
Lat: 39.417244  
Long: 107.825936

1948 Brass Cap  
4" High, Pile of  
Stones  
Lat: 39.416861  
Long: 107.825947

Lot 1

Lot 2

1920 Brass Cap  
0.9' High  
Lat: 39.409969  
Long: 107.825939

C.C. SW Cor Sec 30  
1948 Brass Cap  
1.0' High  
Lat: 39.409594  
Long: 107.825939

Lot 3

Lot 4

1940'

C.C. SW Cor Sec 31  
1947 Brass Cap  
1.7' High  
Lat: 39.403919  
Long: 107.825967

1920 Brass Cap  
1.3' High  
Lat: 39.402717  
Long: 107.825950

NAD 83 (SURFACE LOCATION)  
LATITUDE = 39°24'16.37" (39.404547)  
LONGITUDE = 107°49'58.11" (107.832808)  
NAD 27 (SURFACE LOCATION)  
LATITUDE = 39°24'16.44" (39.404567)  
LONGITUDE = 107°49'55.88" (107.832189)

## BLACK DIAMOND MINERALS, LLC

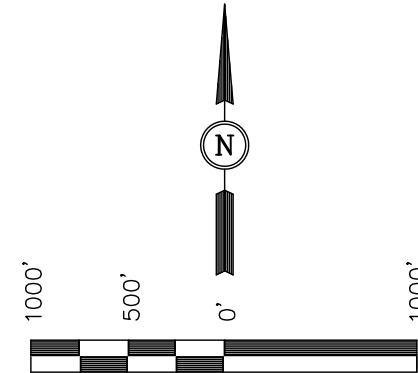
Well location, TPR #311-6 (SURFACE LOCATION), located as shown in the SW 1/4 SE 1/4 of Section 25, T7S, R94W, 6th P.M., Garfield County, Colorado.

### BASIS OF ELEVATION

BENCH MARK LOCATED IN THE NE 1/4 OF SECTION 36, T5S, R93W, 6th P.M. TAKEN FROM THE RIFLE QUADRANGLE, COLORADO, GARFIELD COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5546.19 FEET.

### BASIS OF BEARINGS

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



SCALE

### CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED AND LOCATION AS SHOWN WAS STAKED ON THE GROUND 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. 17492  
STATE OF COLORADO

## UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 04-18-08	DATE DRAWN: 04-19-10
PARTY B.J. C.H.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE BLACK DIAMOND MINERALS, LLC	

### LEGEND:

└─┘ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

PDOP = 3.7

NOTE:  
SEE ADDENDUM TO LEGAL PLAT FOR  
EXISTING IMPROVEMENTS WITHIN 400'  
OF THE PROPOSED DISTURBANCE.

1920 Brass Cap  
1.8' High  
Lat: 39.409997  
Long: 107.844758

NOTE:  
THE PROPOSED BOTTOM HOLE FOR THIS WELL  
IS LOCATED IN LOT 12 OF SECTION 6, T8S,  
R93W, 6th P.M. AT A DISTANCE OF 500' FNL  
300' FWL. IT BEARS S71°54'23"E 2354.75'  
FROM THE PROPOSED WELL HEAD.

TPR #311-6

Elev. Ungraded Ground = 9129'

1920 Brass Cap  
1.7' High  
Lat: 39.402706  
Long: 107.835361

42.9' SOUTH  
True Position

W.C.  
1920 Brass Cap  
1.0' High  
Lat: 39.402600  
Long: 107.844742

SOUTH - 2640.00' (G.L.O.)

N00°03'48"W - 2652.87' (Meas.)

N89°52'16"W - 2651.29' (Meas.)

S89°56'37"W - 2660.41' (Meas.)

1920 Brass Cap

1.3' High

Lat: 39.402717

Long: 107.825950

Lat: 39.403919

Long: 107.825967

Lat: 39.409594

Long: 107.825939

Lat: 39.409969

Long: 107.825936

