BLACK DIAMOND MINERALS, LLC

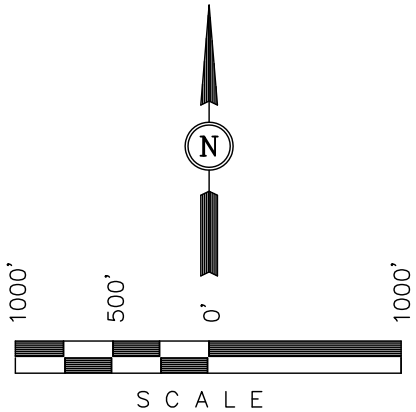
Well location, TPR #111–6 (SURFACE LOCATION), located as shown in the SW 1/4 SE 1/4 of Section 25, T7S, R94W, 6th P.M., Garfield County, Colorado.

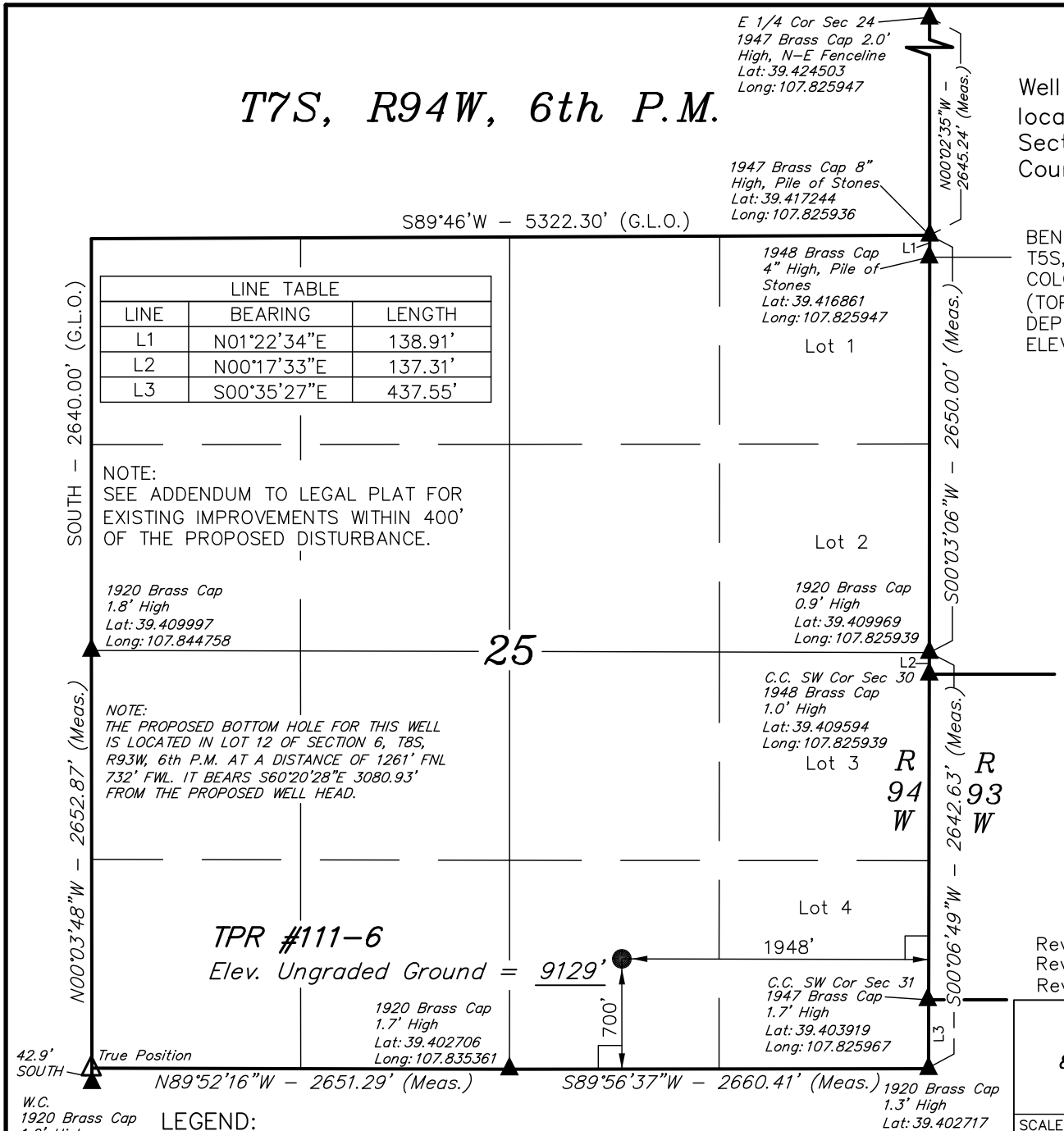
BASIS OF ELEVATION

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.





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.

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.

LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

PDOP = 3.7

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)	

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	

BLACK DIAMOND MINERALS, LLC

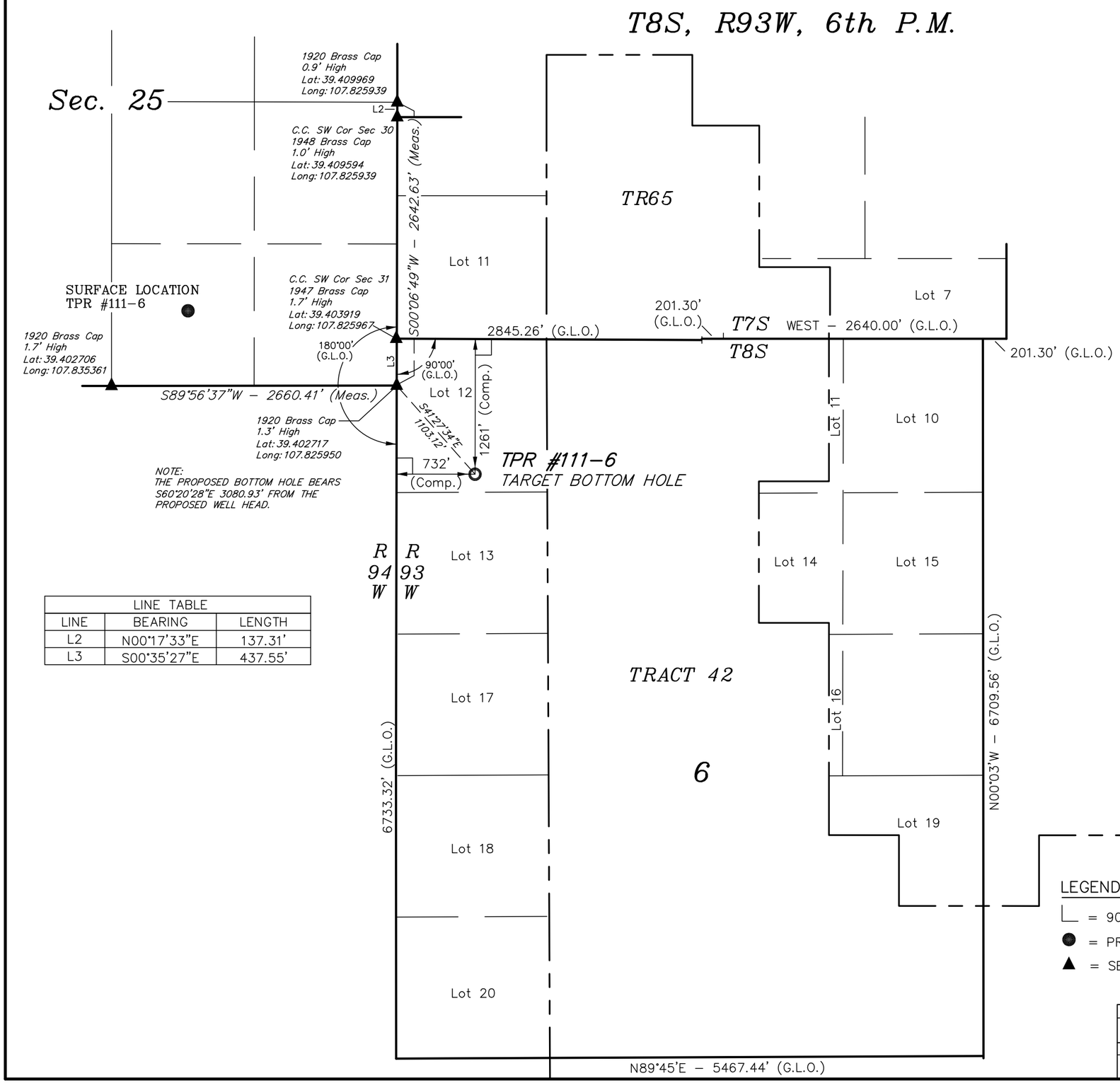
Well location, TPR #111–6 (TARGET BOTTOM HOLE), located as shown in Lot 12 of Section 6, T8S, R93W, 6th P.M., Garfield County, Colorado.

BASIS OF ELEVATION

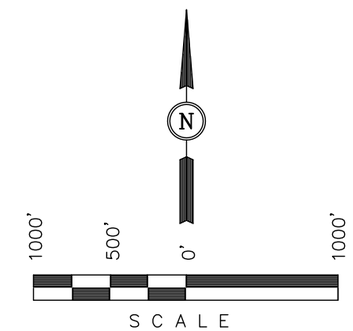
BENCH MARK LOCATED IN THE NE 1/4 OF SECTION 36, T5S, R93W, 6th P.M. TAKEN FROM THE RIFLE QUADRANGLE, COLORADO, GARFIELD COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5546.19 FEET.

BASIS OF BEARINGS

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



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



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. 174922
STATE OF COLORADO

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

LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

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

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	

BLACK DIAMOND MINERALS, LLC

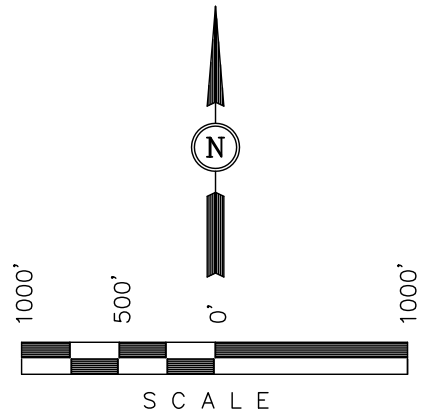
Well location, TPR #112-31 (SURFACE LOCATION), located as shown in the SW 1/4 SE 1/4 of Section 25, T7S, R94W, 6th P.M., Garfield County, Colorado.

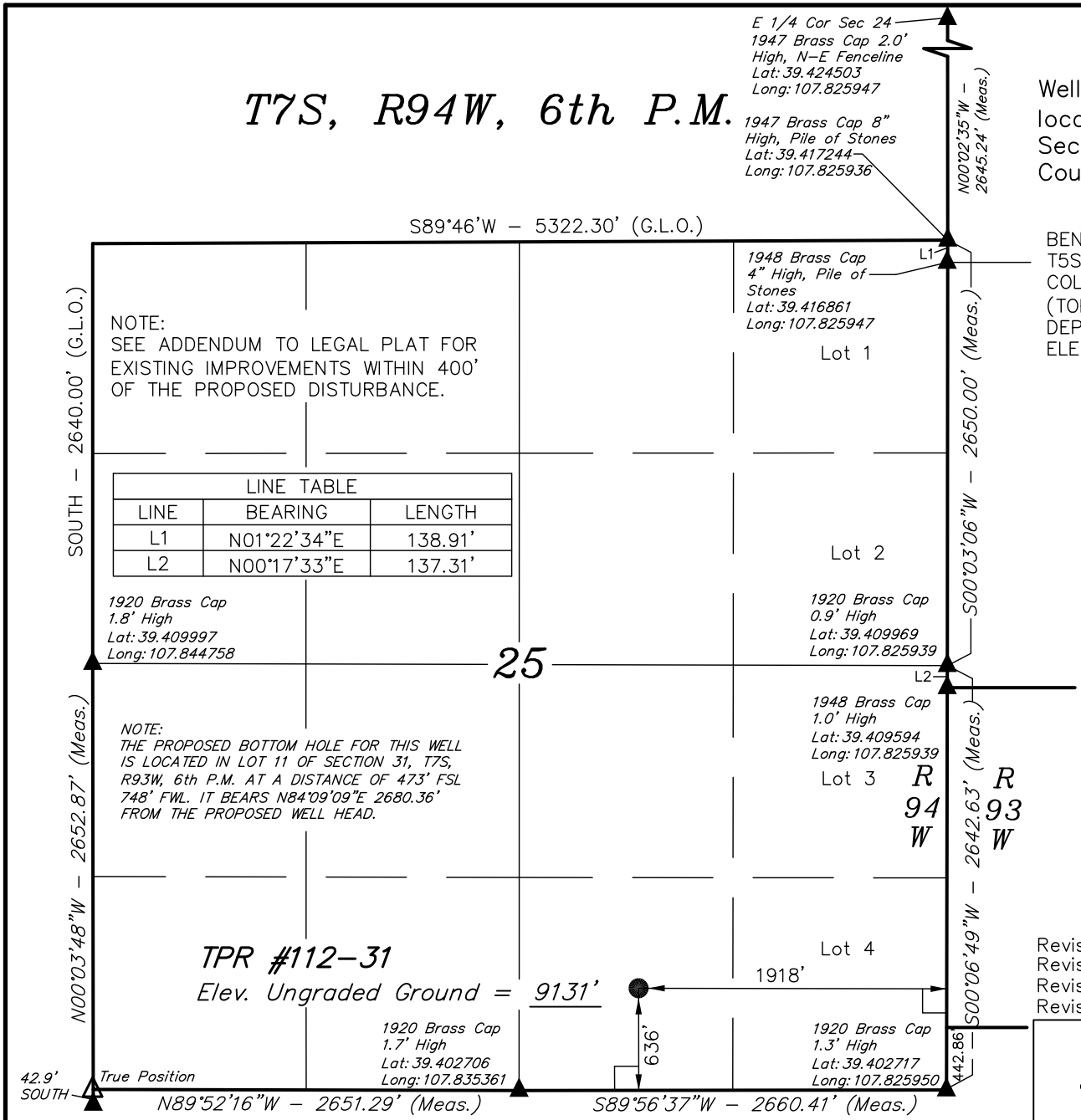
BASIS OF ELEVATION

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.





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

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.
Revised: 04-18-08 D.R.B.

LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

PDOP = 3.7

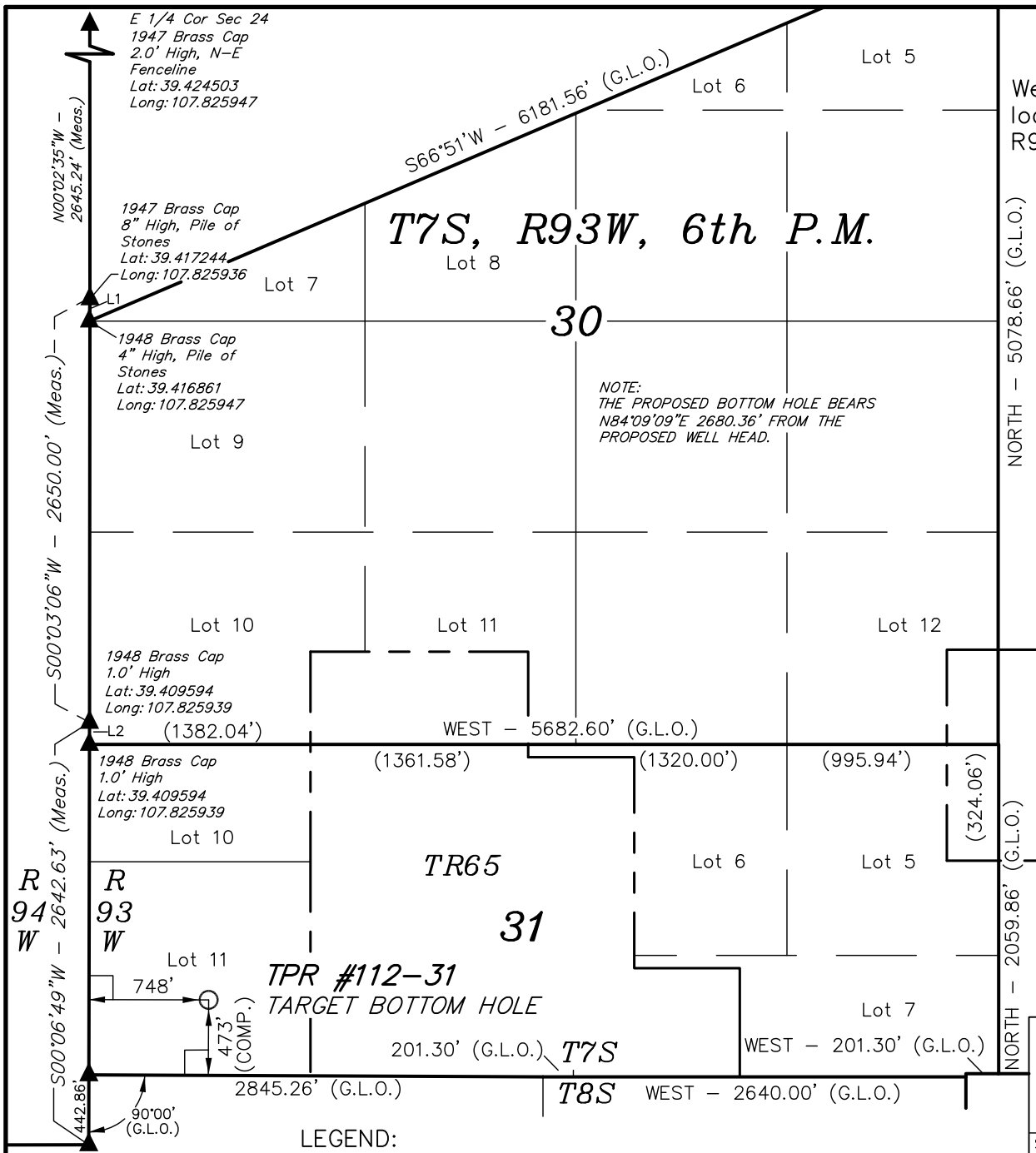
NAD 83 (SURFACE LOCATION)
LATITUDE = 39°24'16.04" (39.404456)
LONGITUDE = 107°49'57.84" (107.832733)
NAD 27 (SURFACE LOCATION)
LATITUDE = 39°24'16.11" (39.404475)
LONGITUDE = 107°49'55.60" (107.832111)

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	

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.

N

1000' 500' 0' 1000'

SCALE

TR66

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

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

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)

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	

BLACK DIAMOND MINERALS, LLC

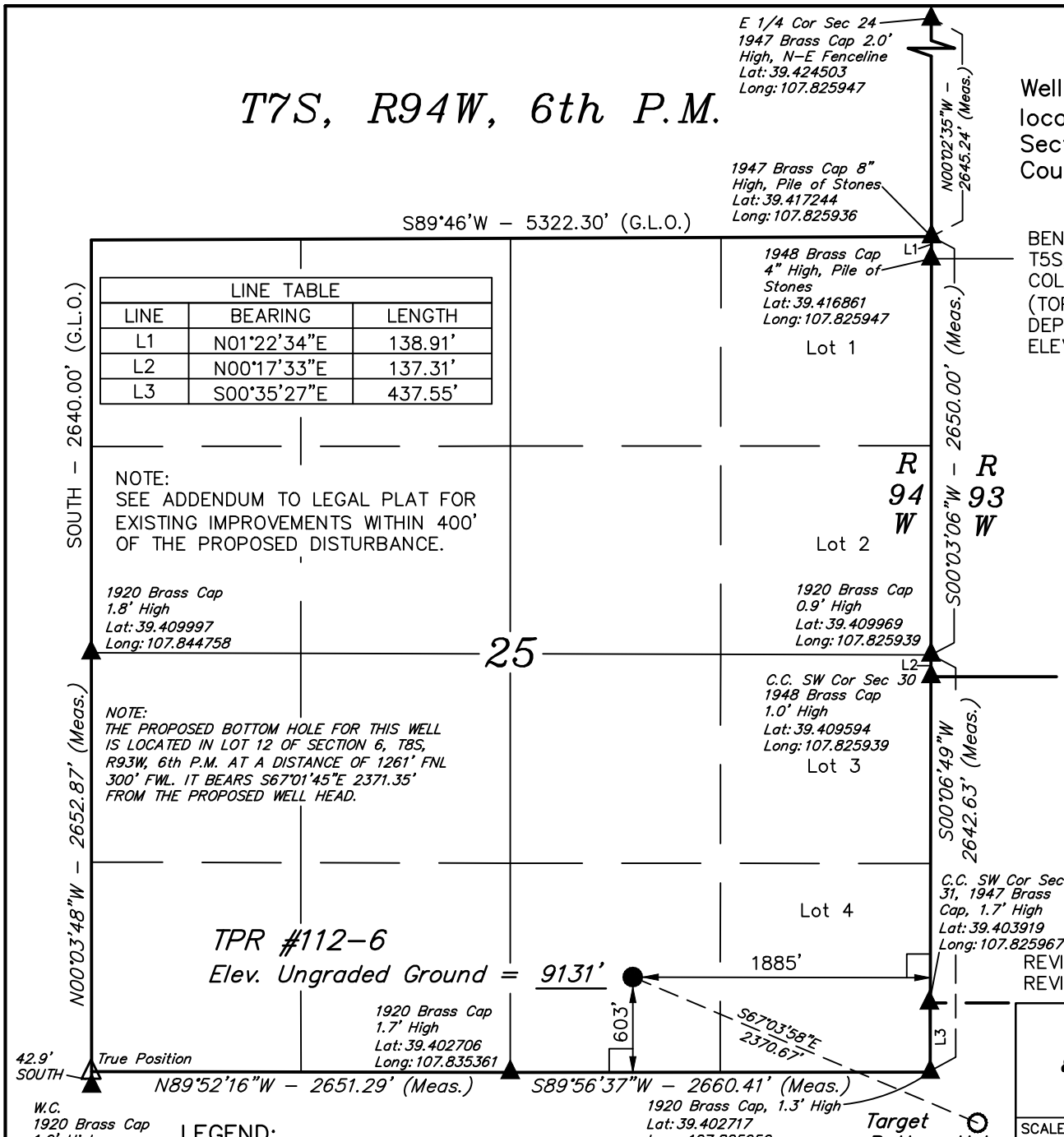
Well location, TPR #112-6 (SURFACE LOCATION), located as shown in the SW 1/4 SE 1/4 of Section 25, T7S, R94W, 6th P.M., Garfield County, Colorado.

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

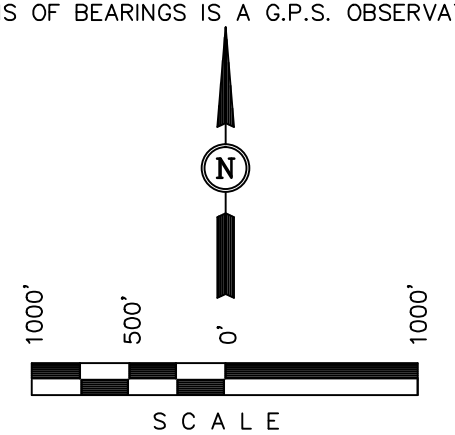
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



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.

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.



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

07-22-13

LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

PDOP = 3.7

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)

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	

BLACK DIAMOND MINERALS, LLC

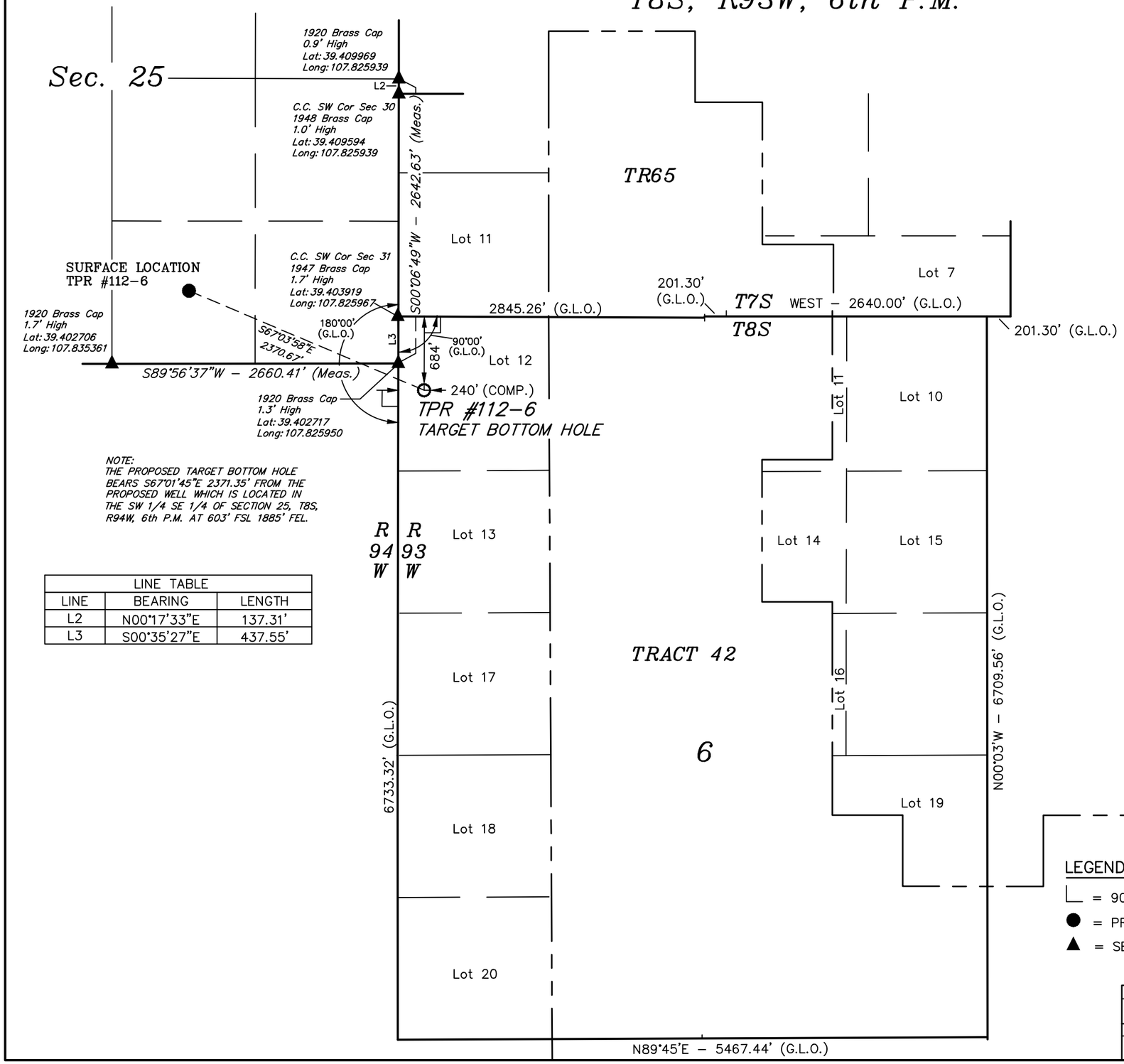
Well location, TPR #112–6 (TARGET BOTTOM HOLE), located as shown in Lot 12 of Section 6, T8S, R93W, 6th P.M., Garfield County, Colorado.

BASIS OF ELEVATION

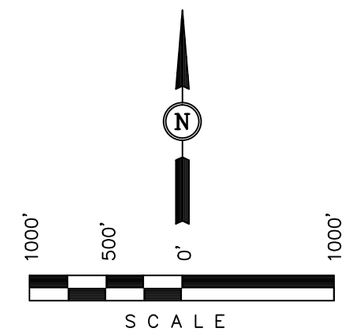
BENCH MARK LOCATED IN THE NE 1/4 OF SECTION 36, T5S, R93W, 6th P.M. TAKEN FROM THE RIFLE QUADRANGLE, COLORADO, GARFIELD COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5546.19 FEET.

BASIS OF BEARINGS

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



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



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

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	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	03–24–08	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.

BLACK DIAMOND MINERALS, LLC

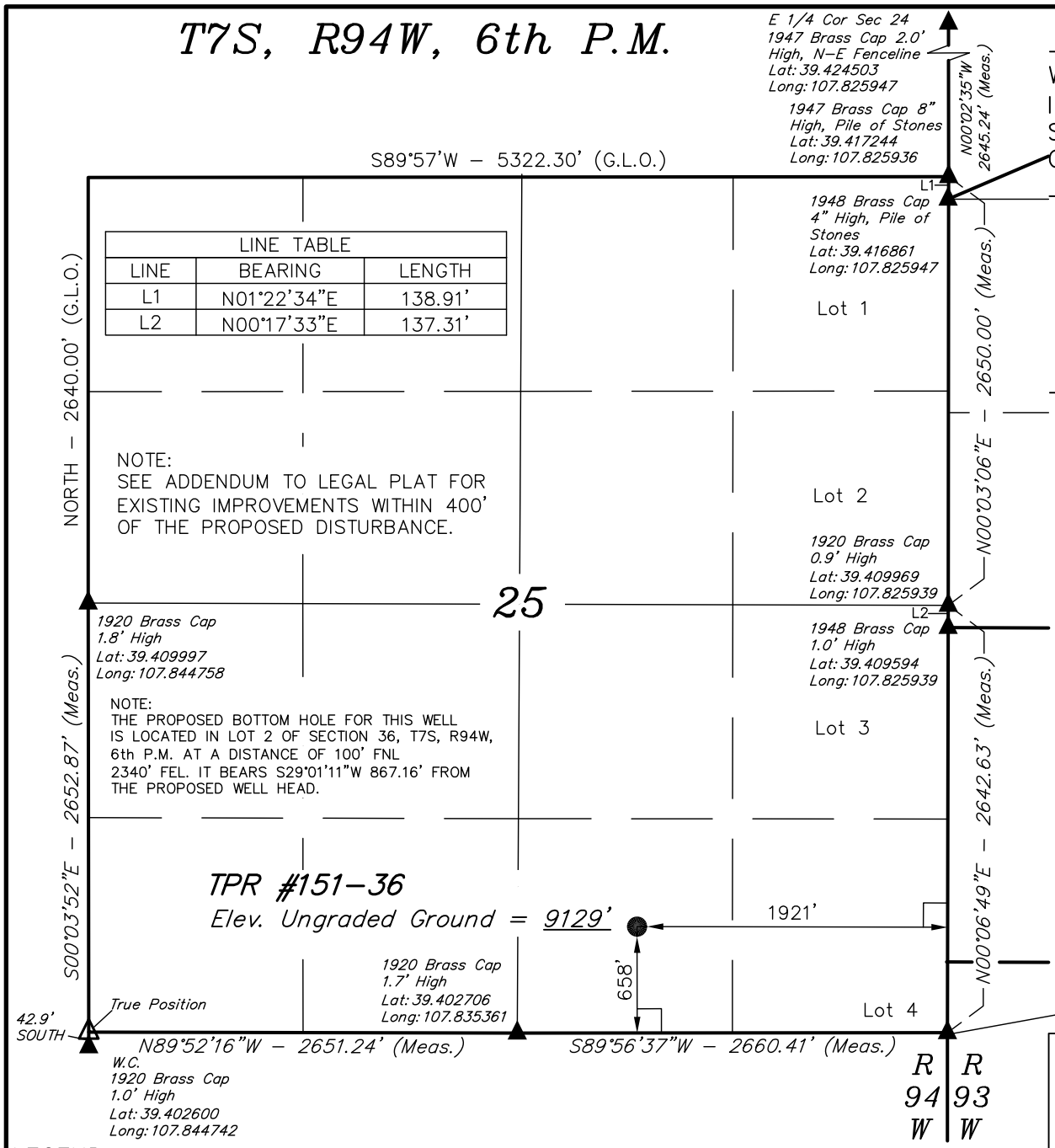
Well location, TPR #151-36 (SURFACE LOCATION), located as shown in the SW 1/4 SE 1/4 of Section 25, T7S, R94W, 6th P.M., Garfield County, Colorado.

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

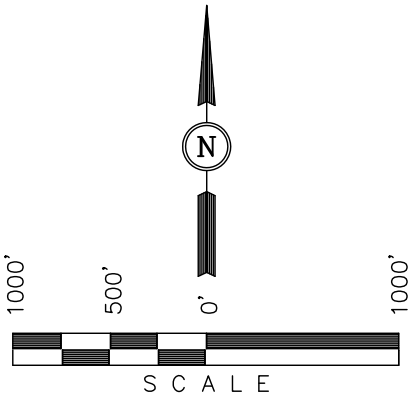
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



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.

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.



CERTIFICATE

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

ROBERT L. KAY REGISTERED LAND SURVEYOR 17492 STATE OF COLORADO

REGISTERED LAND SURVEYOR
REGISTRATION NO. 17492
STATE OF COLORADO

LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

PDOP = 3.7

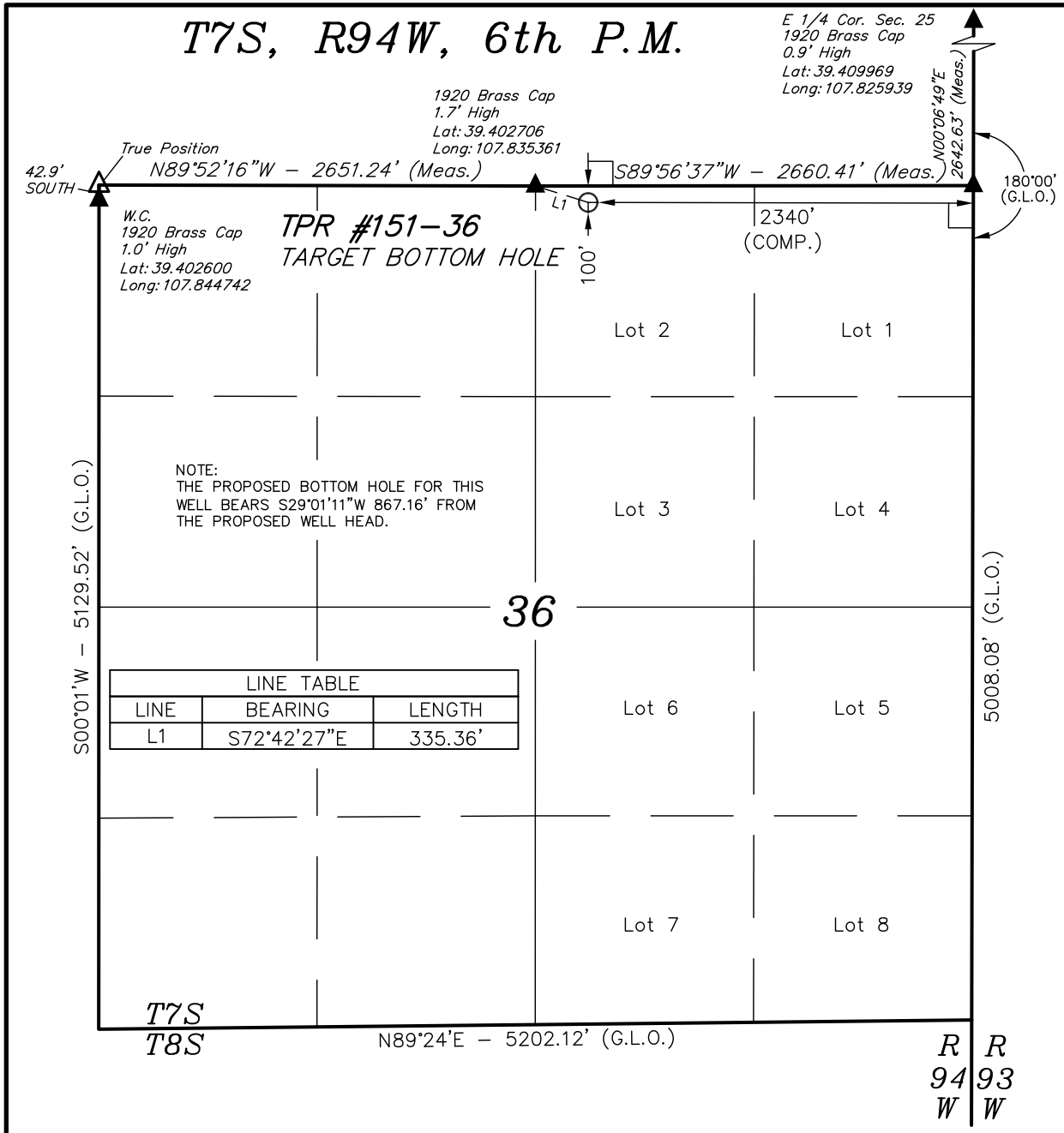
NAD 83 (SURFACE LOCATION)	
LATITUDE = 39°24'16.25" (39.404514)	
LONGITUDE = 107°49'57.87" (107.832742)	
NAD 27 (SURFACE LOCATION)	
LATITUDE = 39°24'16.33" (39.404536)	
LONGITUDE = 107°49'55.64" (107.832122)	

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	

BLACK DIAMOND MINERALS, LLC

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.



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

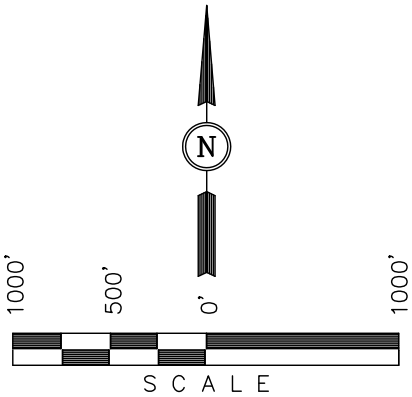
LINE TABLE		
LINE	BEARING	LENGTH
L1	S72°42'27"E	335.36'

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.



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

ROBERT L. DOMAN JR. REGISTERED LAND SURVEYOR 17492 STATE OF COLORADO

LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

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

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.

BLACK DIAMOND MINERALS, LLC

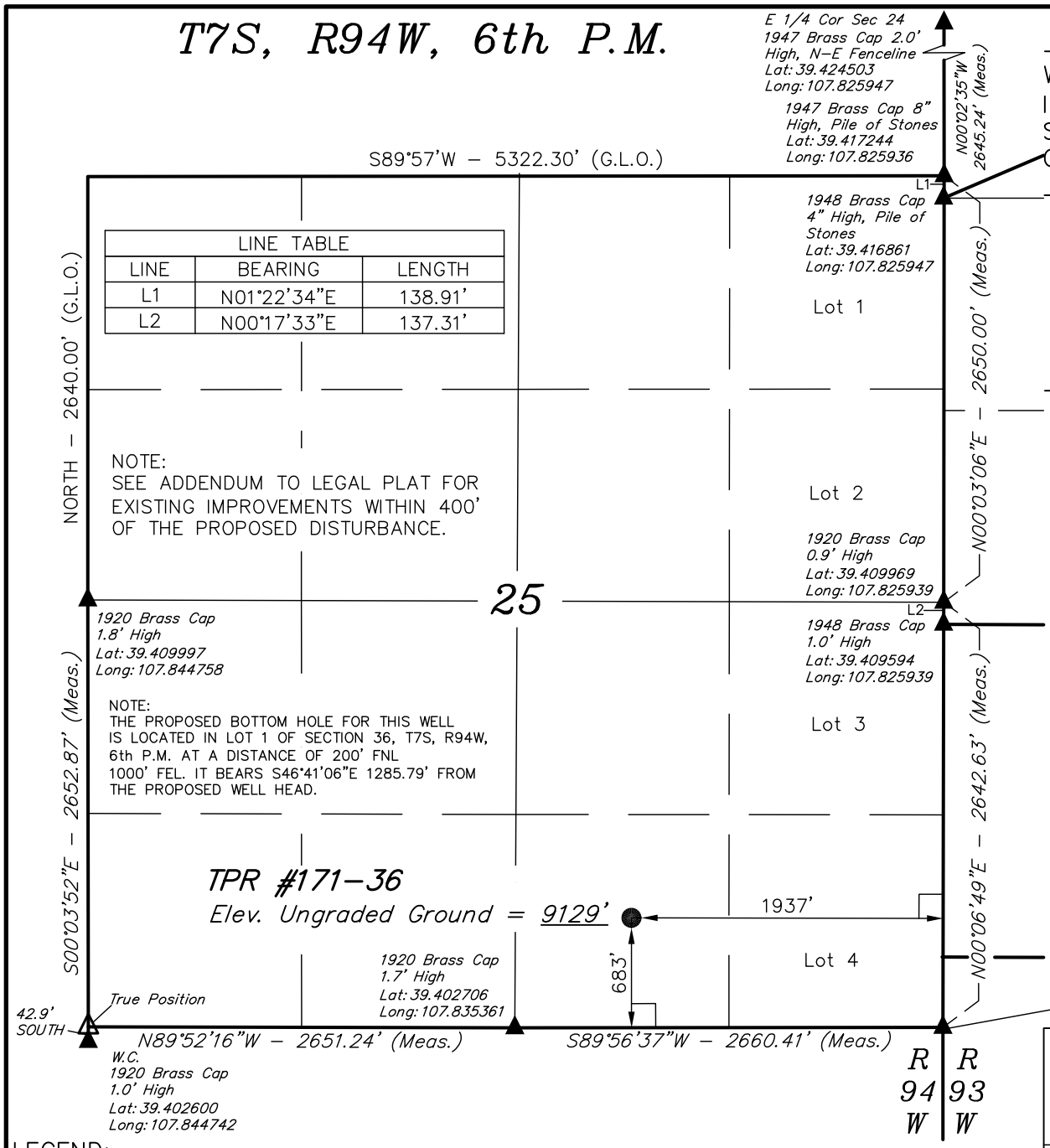
Well location, TPR #171–36 (SURFACE LOCATION), located as shown in the SW 1/4 SE 1/4 of Section 25, T7S, R94W, 6th P.M., Garfield County, Colorado.

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

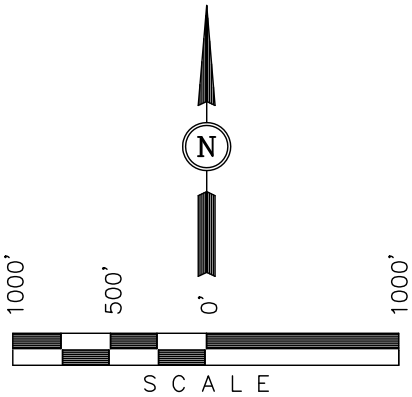
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



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.

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.



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

ROBERT L. KAY REGISTERED LAND SURVEYOR 17492 STATE OF COLORADO

LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

PDOP = 3.7

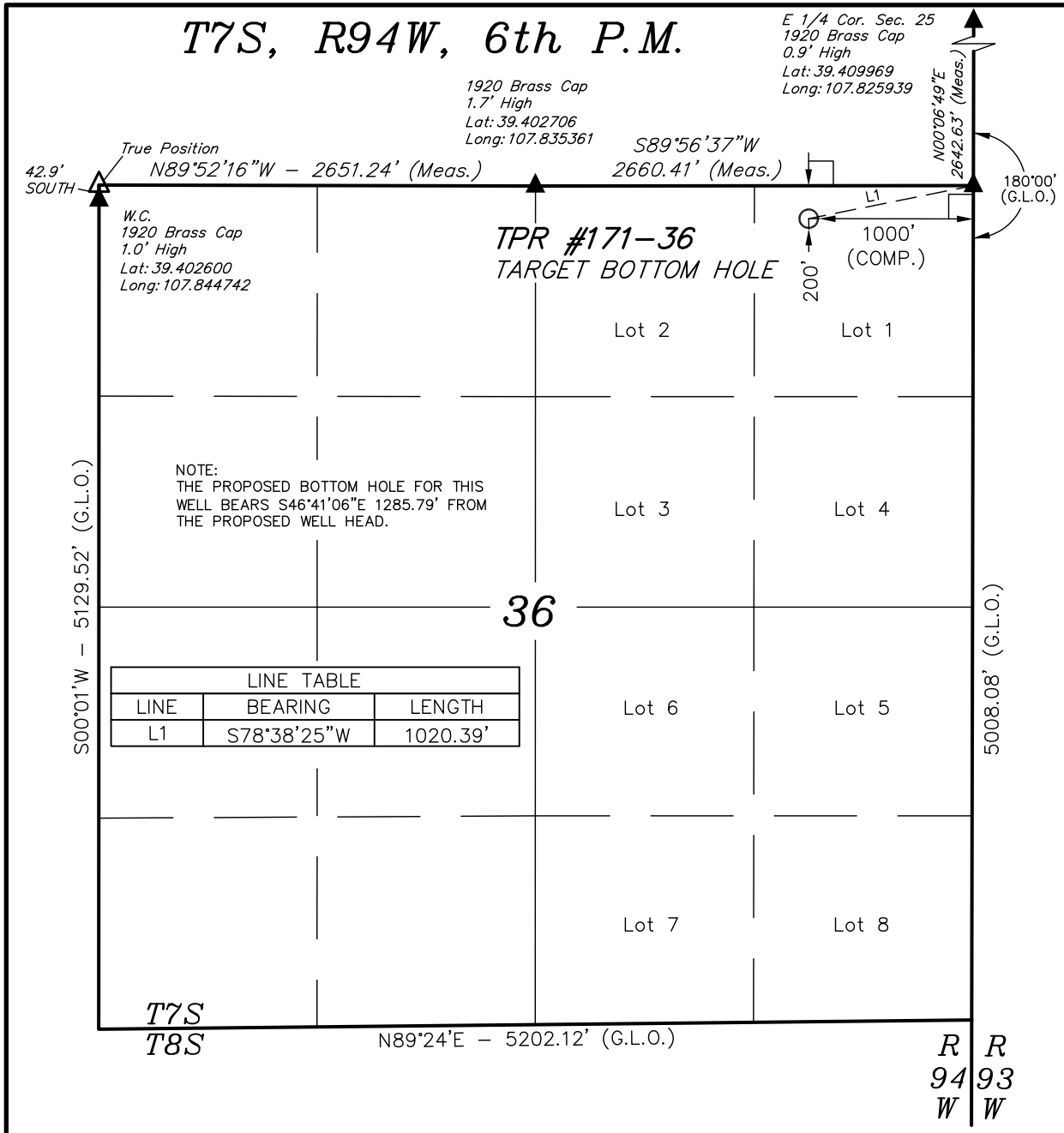
NAD 83 (SURFACE LOCATION)	
LATITUDE = 39°24'16.50" (39.404583)	
LONGITUDE = 107°49'58.08" (107.832800)	
NAD 27 (SURFACE LOCATION)	
LATITUDE = 39°24'16.58" (39.404606)	
LONGITUDE = 107°49'55.85" (107.832181)	

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	

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.



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

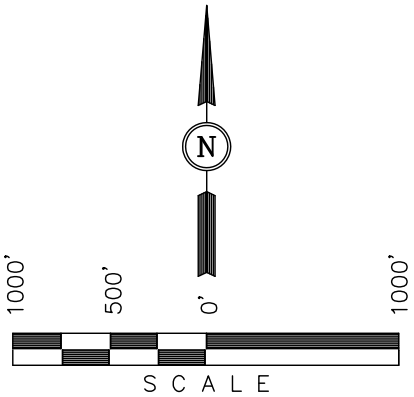
LINE TABLE		
LINE	BEARING	LENGTH
L1	S78°38'25"W	1020.39'

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.



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

ROBERT L. KAY
REGISTERED
17492
LAND SURVEYOR
STATE OF COLORADO

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)

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.

BLACK DIAMOND MINERALS, LLC

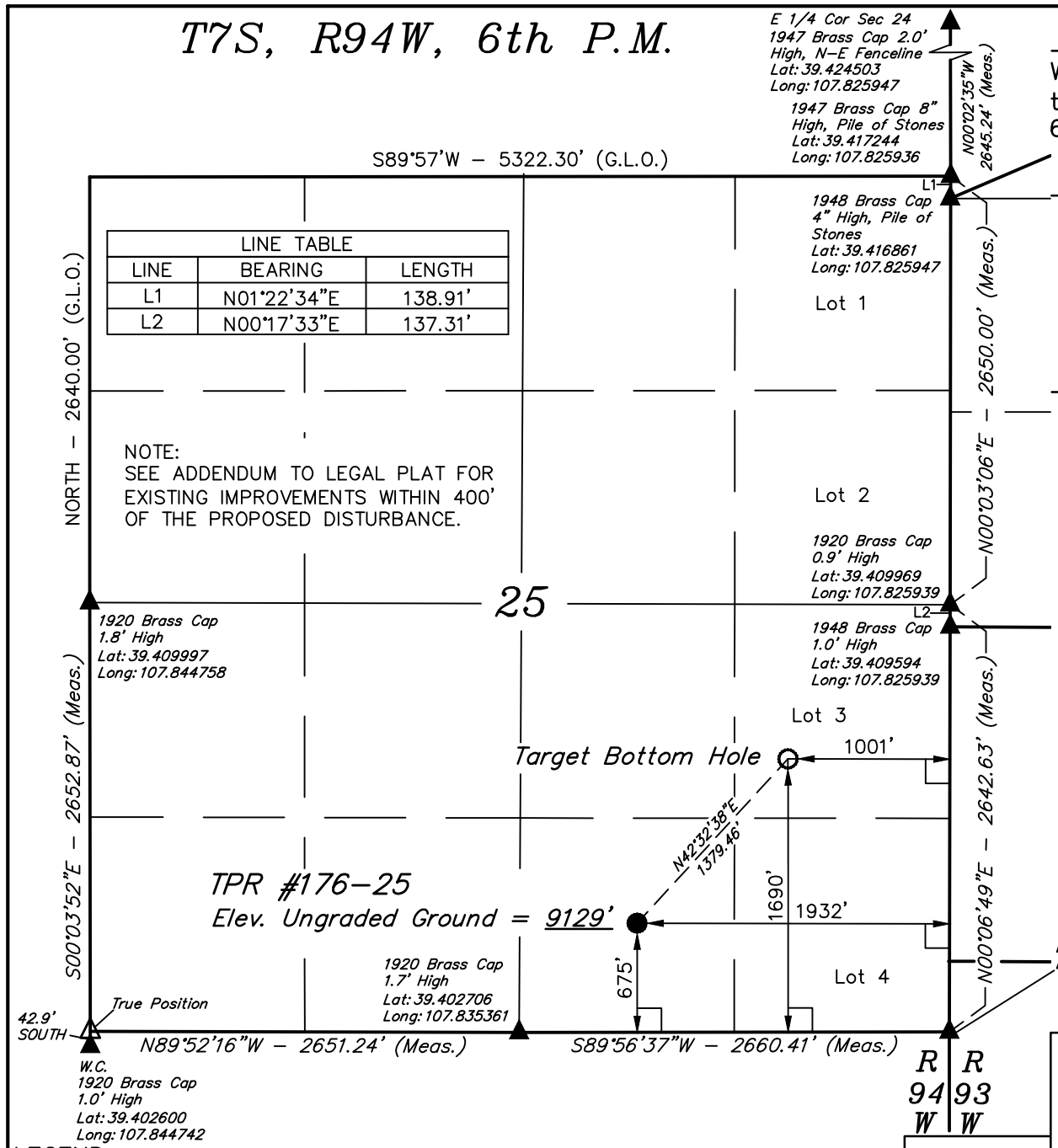
Well location, TPR #176–25, located as shown in the SW 1/4 SE 1/4 of Section 25, T7S, R94W, 6th P.M., Garfield County, Colorado.

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.

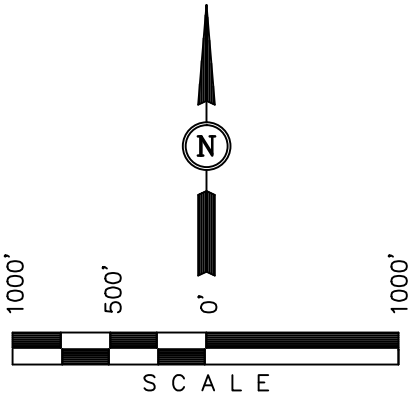
BASIS OF BEARINGS

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.



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. 174922
STATE OF COLORADO

ROBERT L. KAY REGISTERED LAND SURVEYOR 174922 STATE OF COLORADO 07-22-13

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

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.

BLACK DIAMOND MINERALS, LLC

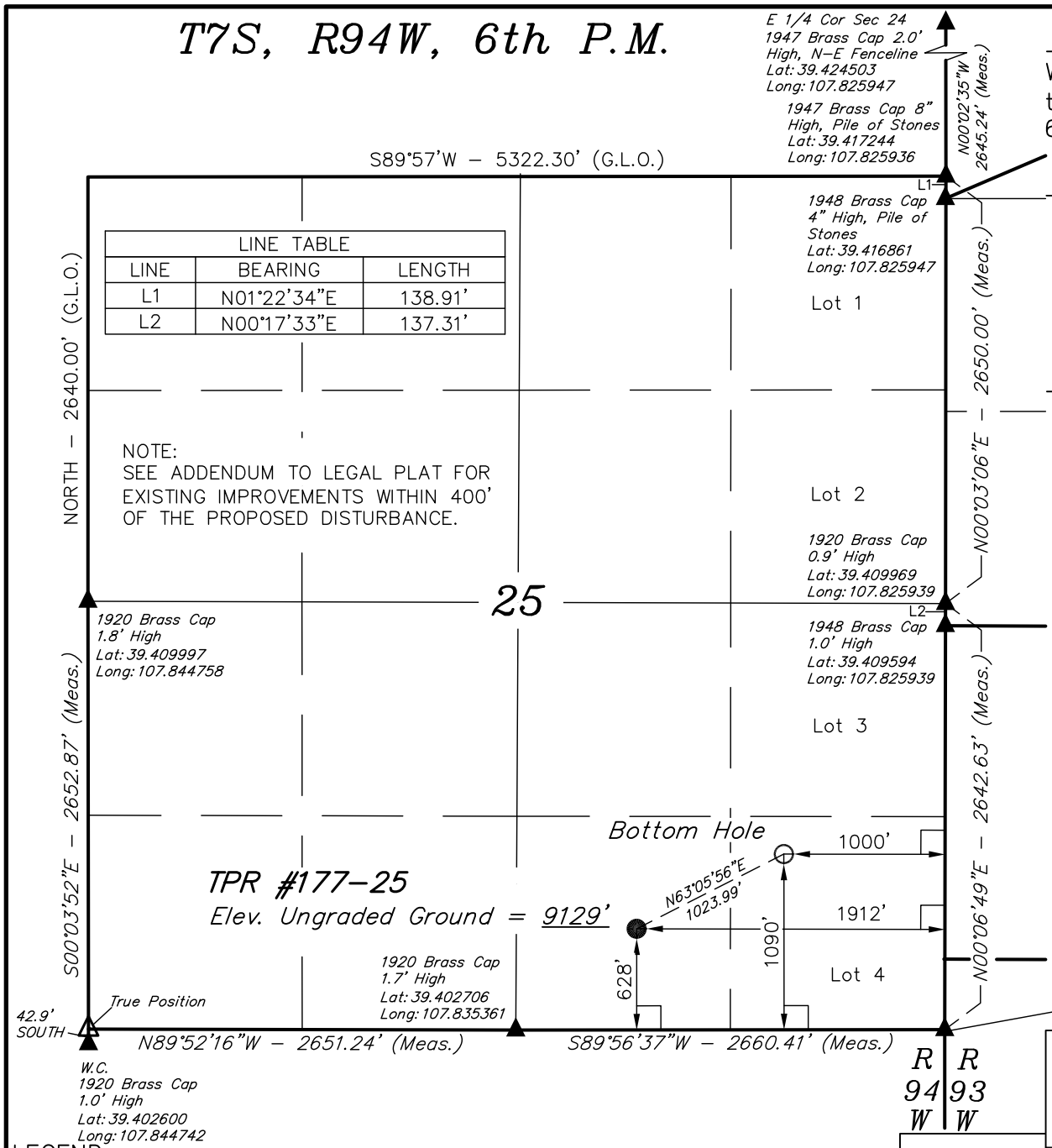
Well location, TPR #177–25, located as shown in the SW 1/4 SE 1/4 of Section 25, T7S, R94W, 6th P.M., Garfield County, Colorado.

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.

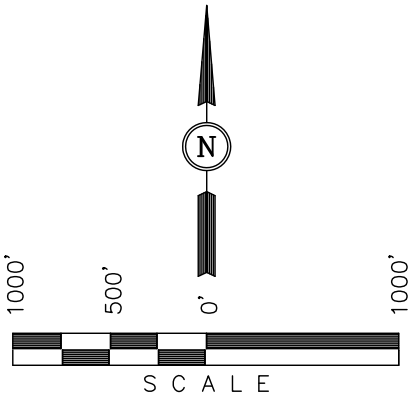
BASIS OF BEARINGS

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.



CERTIFICATE

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REGISTERED LAND SURVEYOR
REGISTRATION NO. 17492
STATE OF COLORADO

ROBERT L. KAY REGISTERED LAND SURVEYOR 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	

PDOP = 3.7

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)

LEGEND:

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

T7S, R94W, 6th P.M.

BLACK DIAMOND MINERALS, LLC

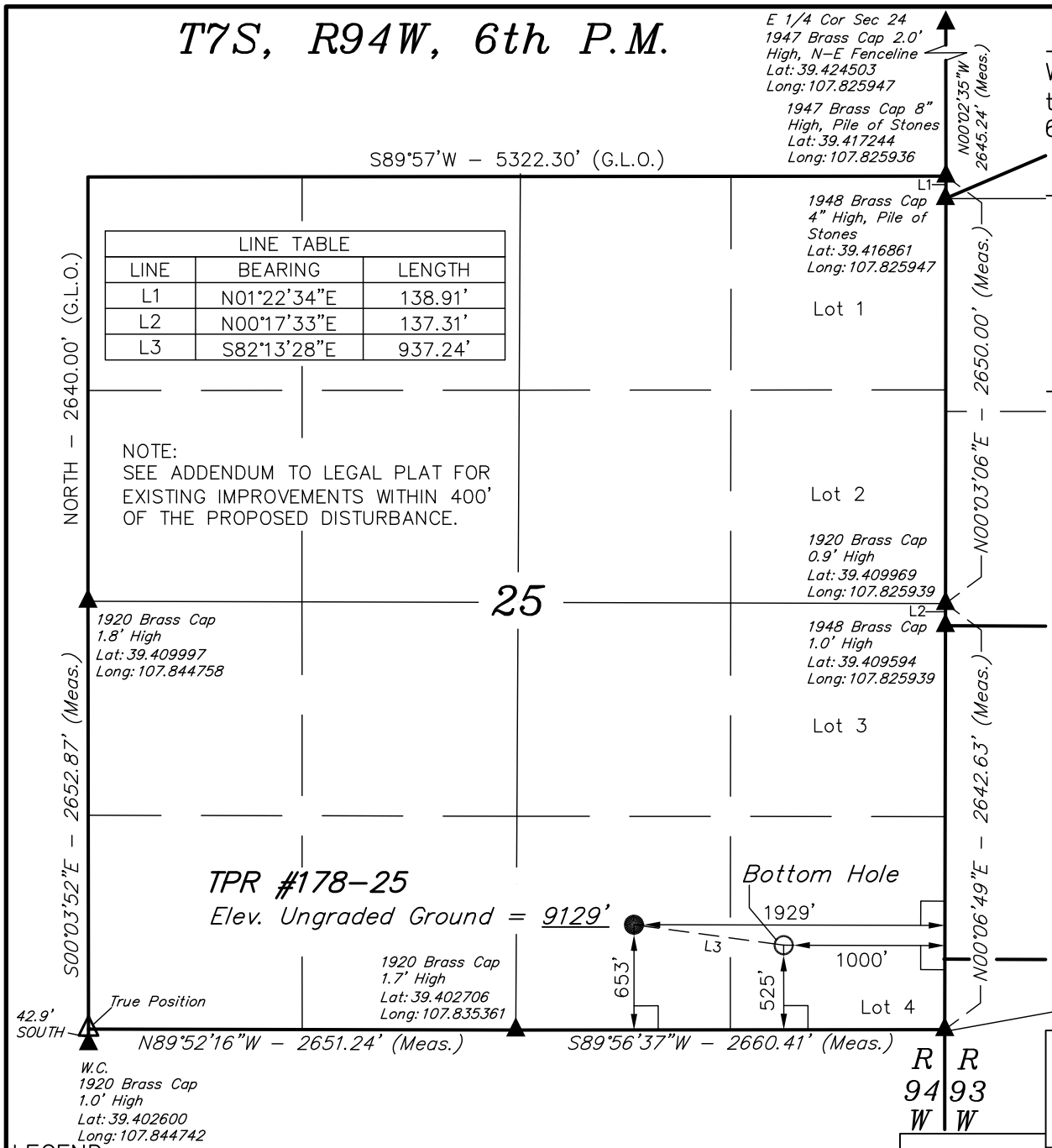
Well location, TPR #178–25, located as shown in the SW 1/4 SE 1/4 of Section 25, T7S, R94W, 6th P.M., Garfield County, Colorado.

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.

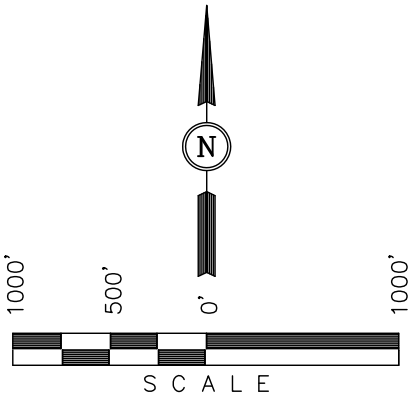
BASIS OF BEARINGS

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'
L3	S82°13'28"E	937.24'

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



CERTIFICATE

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REGISTERED LAND SURVEYOR
REGISTRATION NO. 17492
STATE OF COLORADO

ROBERT L. KAY REGISTERED LAND SURVEYOR 17492 STATE OF COLORADO

PDOP = 3.7

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)

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	

BLACK DIAMOND MINERALS, LLC

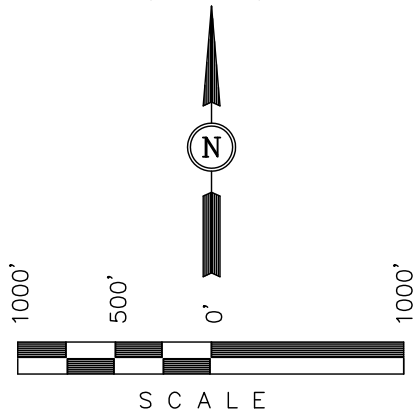
Well location, TPR #211–6 (SURFACE LOCATION), located as shown in the SW 1/4 SE 1/4 of Section 25, T7S, R94W, 6th P.M., Garfield County, Colorado.

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.



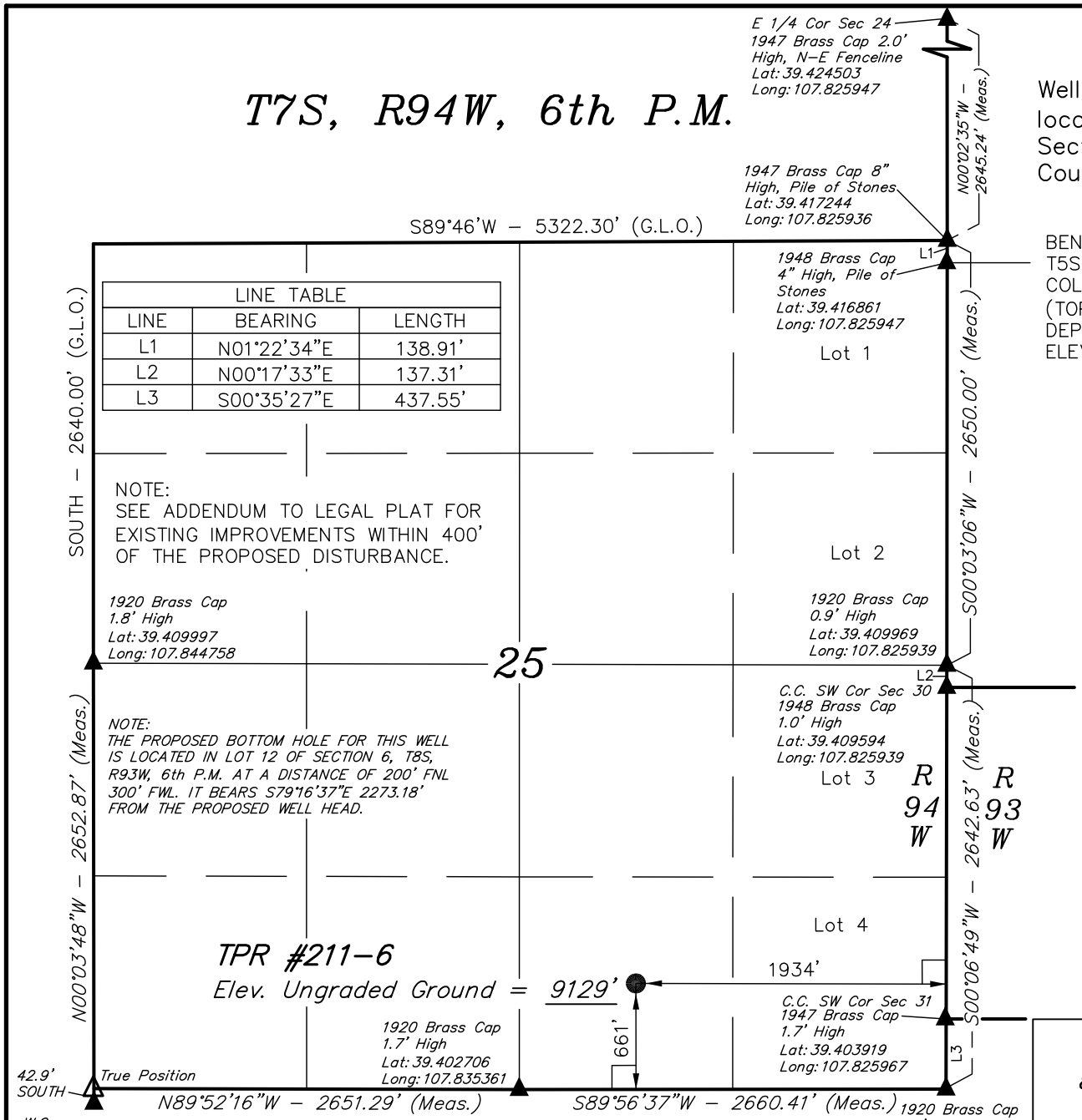
CERTIFICATE

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.

17492

REGISTERED LAND SURVEYOR
REGISTRATION NO. 17492
STATE OF COLORADO

ROBERT L. KAY
REGISTERED
PROFESSIONAL
LAND SURVEYOR
17492
STATE OF COLORADO



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.

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.

LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

PDOP = 3.7

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)

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	

BLACK DIAMOND MINERALS, LLC

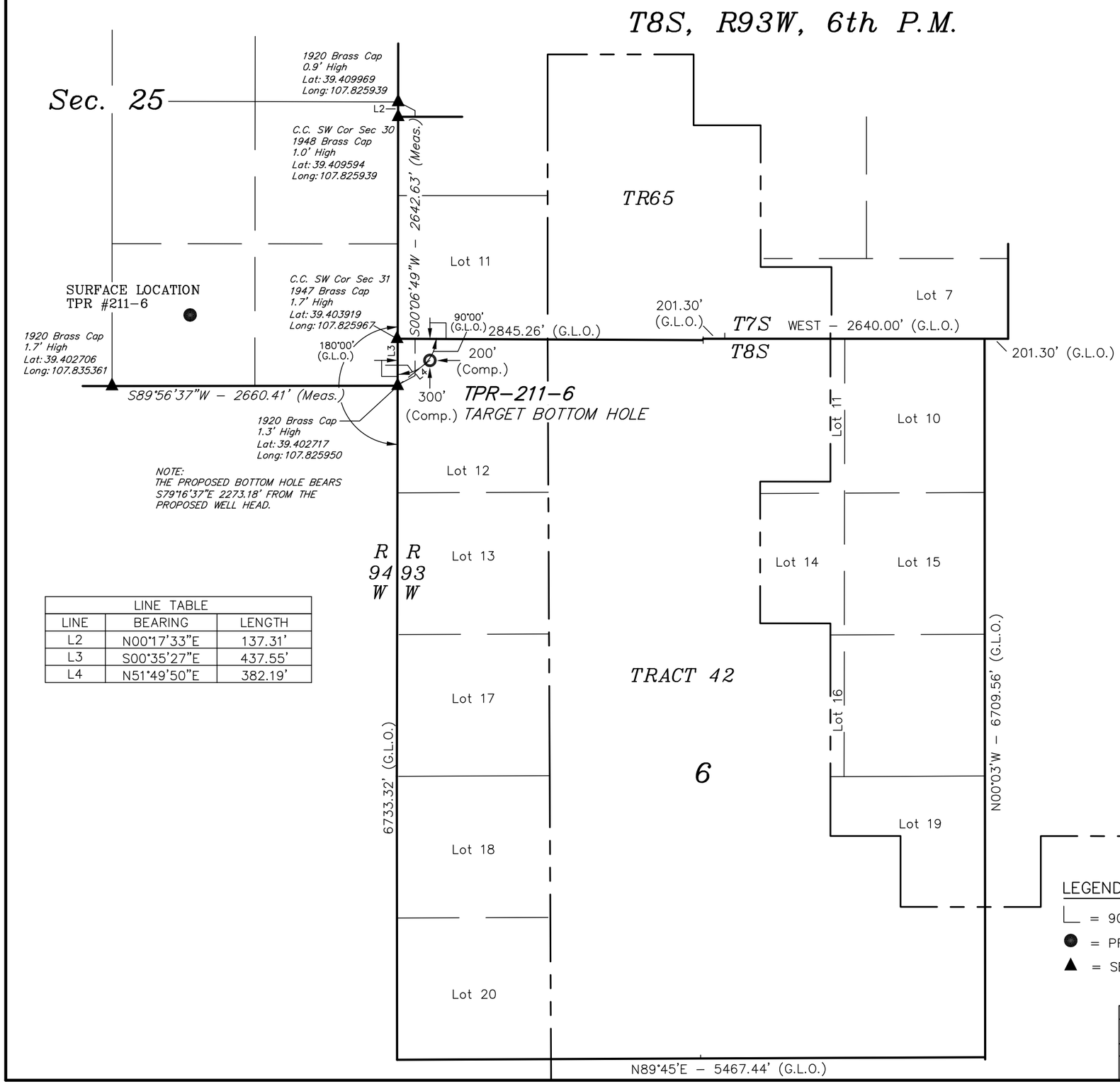
Well location, TPR #211–6 (TARGET BOTTOM HOLE), located as shown in Lot 12 of Section 6, T8S, R93W, 6th P.M., Garfield County, Colorado.

BASIS OF ELEVATION

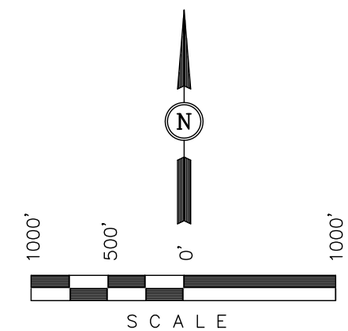
BENCH MARK LOCATED IN THE NE 1/4 OF SECTION 36, T5S, R93W, 6th P.M. TAKEN FROM THE RIFLE QUADRANGLE, COLORADO, GARFIELD COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5546.19 FEET.

BASIS OF BEARINGS

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



LINE TABLE		
LINE	BEARING	LENGTH
L2	N00°17'33"E	137.31'
L3	S00°35'27"E	437.55'
L4	N51°49'50"E	382.19'



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

LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

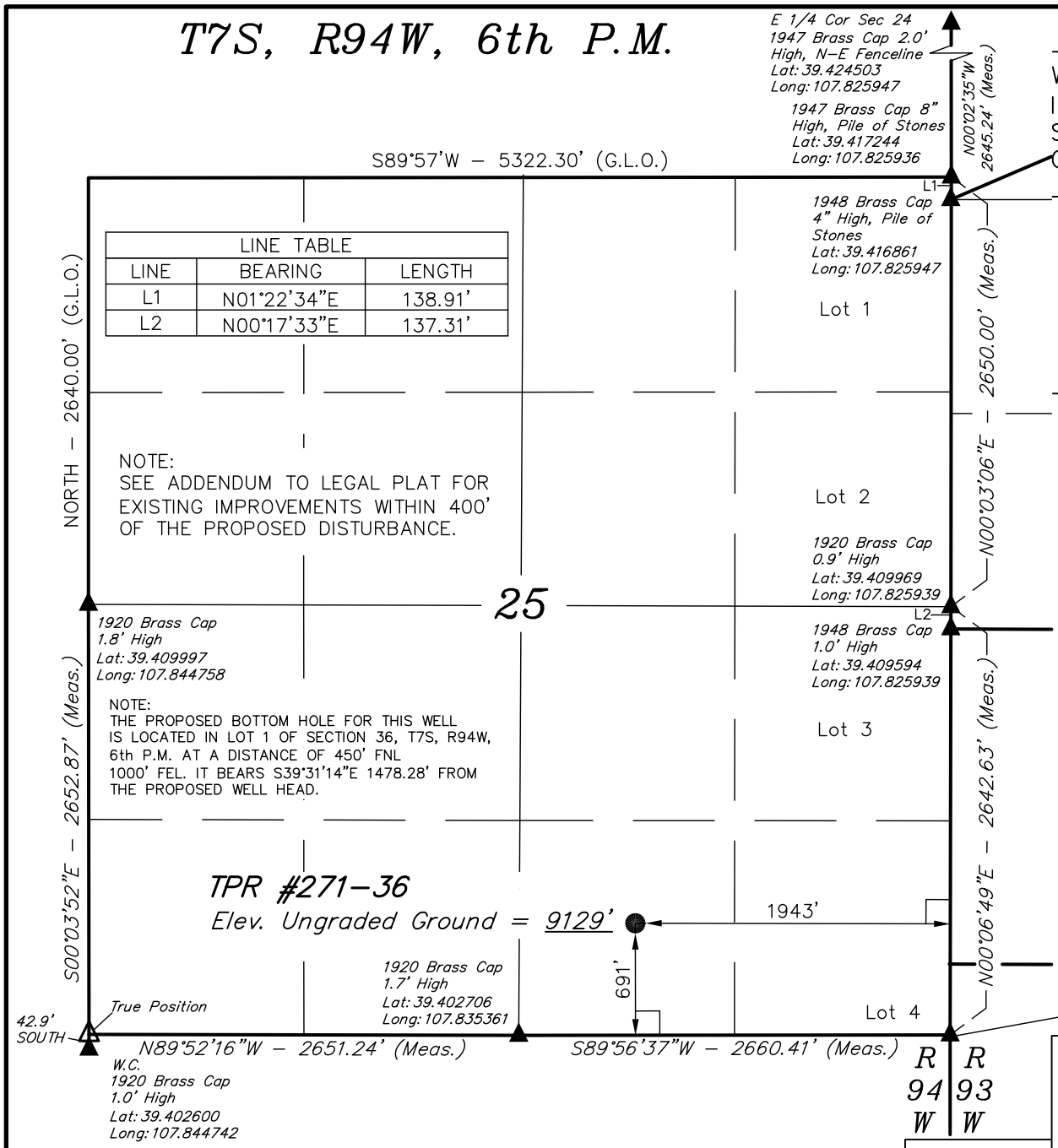
▲ = SECTION CORNERS LOCATED.

NAD 83 (TARGET BOTTOM HOLE)
LATITUDE = 39°24'12.12" (39.403367)
LONGITUDE = 107°49'29.60" (107.824889)
NAD 27 (TARGET BOTTOM HOLE)
LATITUDE = 39°24'12.19" (39.403386)
LONGITUDE = 107°49'27.36" (107.824267)

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.



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.

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.

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.

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.

N

1000' 500' 0' 1000'

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.

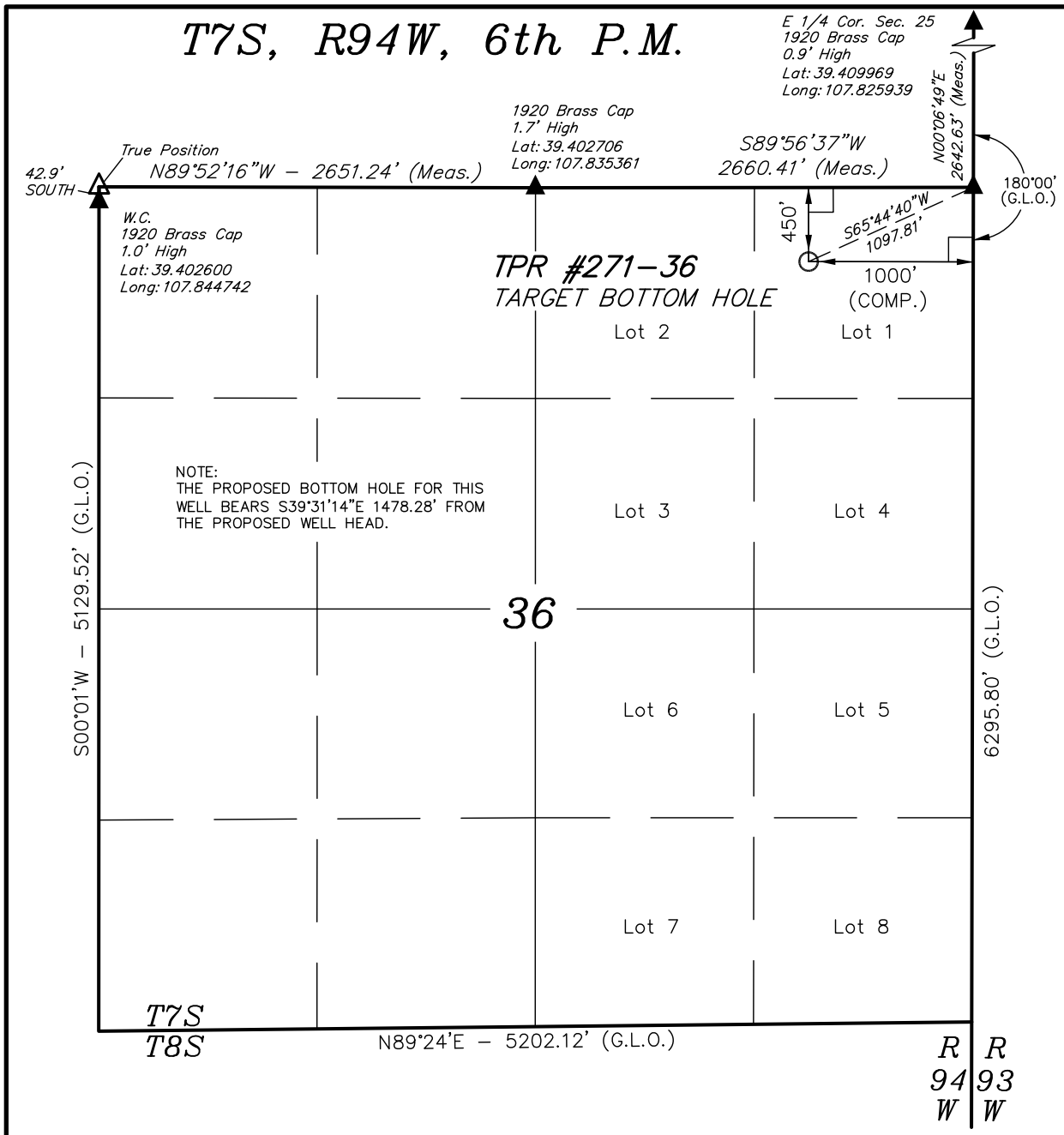
REGISTERED LAND SURVEYOR
REGISTRATION NO. 17492
STATE OF COLORADO

ROBERT L. KAY REGISTERED LAND SURVEYOR 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	

T7S, R94W, 6th P.M.



BLACK DIAMOND MINERALS, LLC

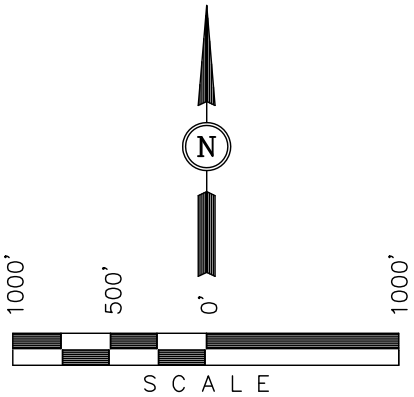
Well location, TPR #271–36 (TARGET BOTTOM HOLE), located as shown in Lot 1 of Section 36, T7S, R94W, 6th P.M., Garfield County, Colorado.

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.



CERTIFICATE

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REGISTERED LAND SURVEYOR
REGISTRATION NO. 17492
STATE OF COLORADO

ROBERT L. KAY
REGISTERED
17492
LAND SURVEYOR
STATE OF COLORADO

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)	

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.

BLACK DIAMOND MINERALS, LLC

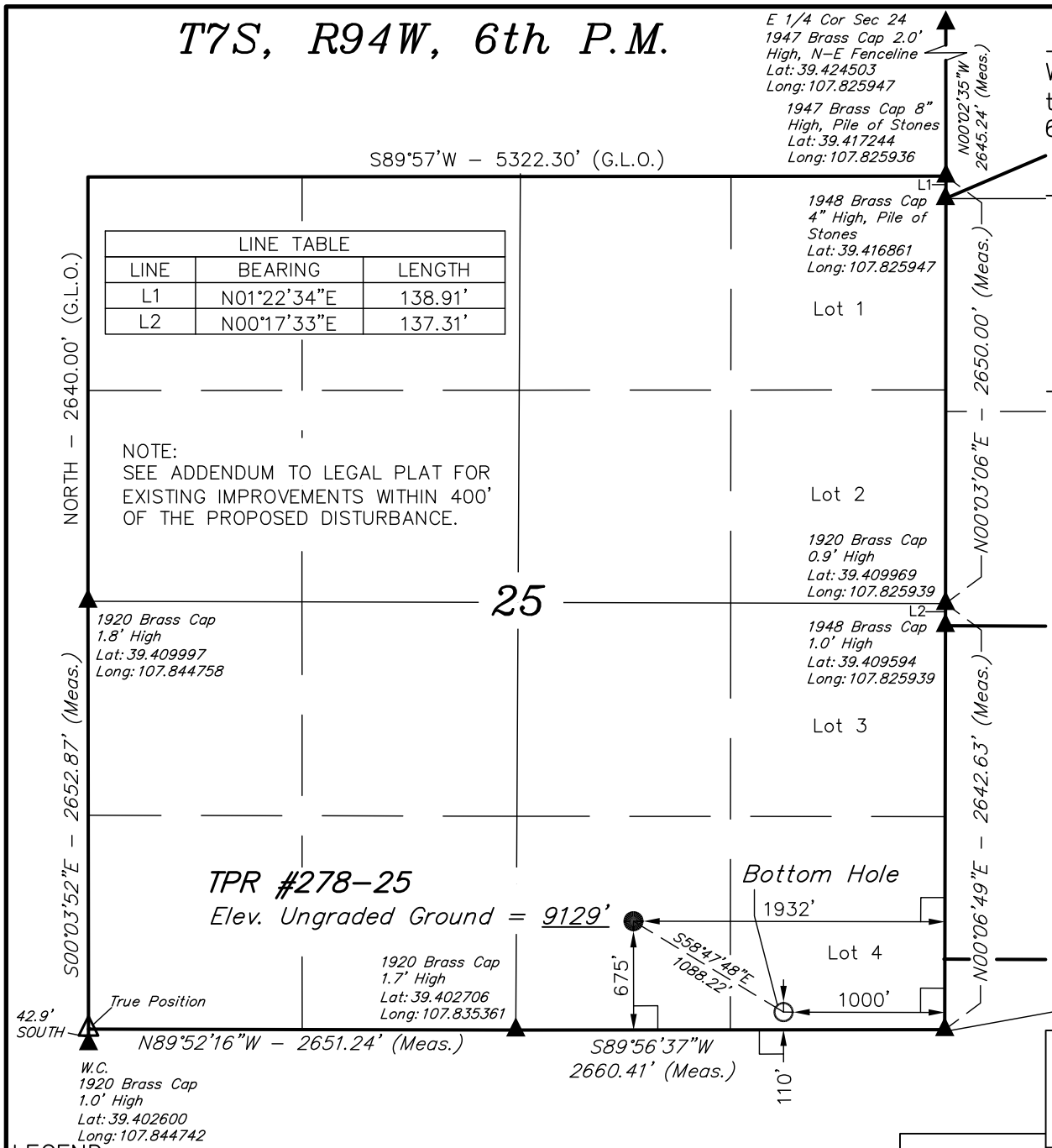
Well location, TPR #278–25, located as shown in the SW 1/4 SE 1/4 of Section 25, T7S, R94W, 6th P.M., Garfield County, Colorado.

BASIS OF ELEVATION

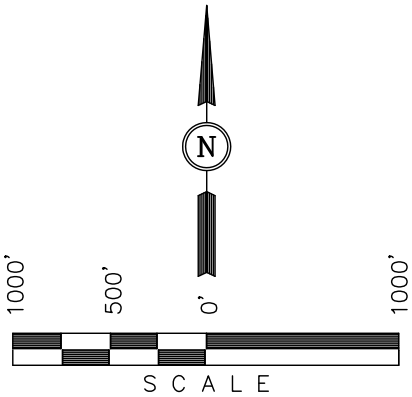
BENCHMARK LOCATED IN THE NE 1/4 OF SECTION 36, T5S, R93W, 6th P.M. TAKEN FROM THE RIFLE, QUADRANGLE, COLORADO, GARFIELD COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5546.19 FEET.

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'



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

ROBERT L. KAY REGISTERED LAND SURVEYOR 17492 STATE OF COLORADO

PDOP = 3.7

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)

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	

BLACK DIAMOND MINERALS, LLC

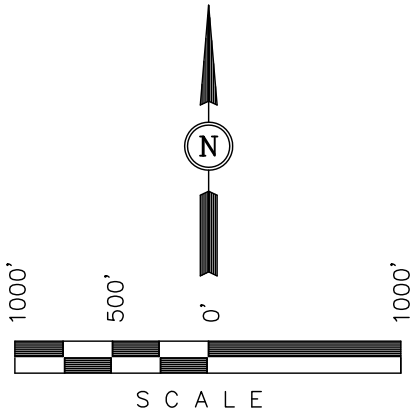
Well location, TPR #311-6 (SURFACE LOCATION), located as shown in the SW 1/4 SE 1/4 of Section 25, T7S, R94W, 6th P.M., Garfield County, Colorado.

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

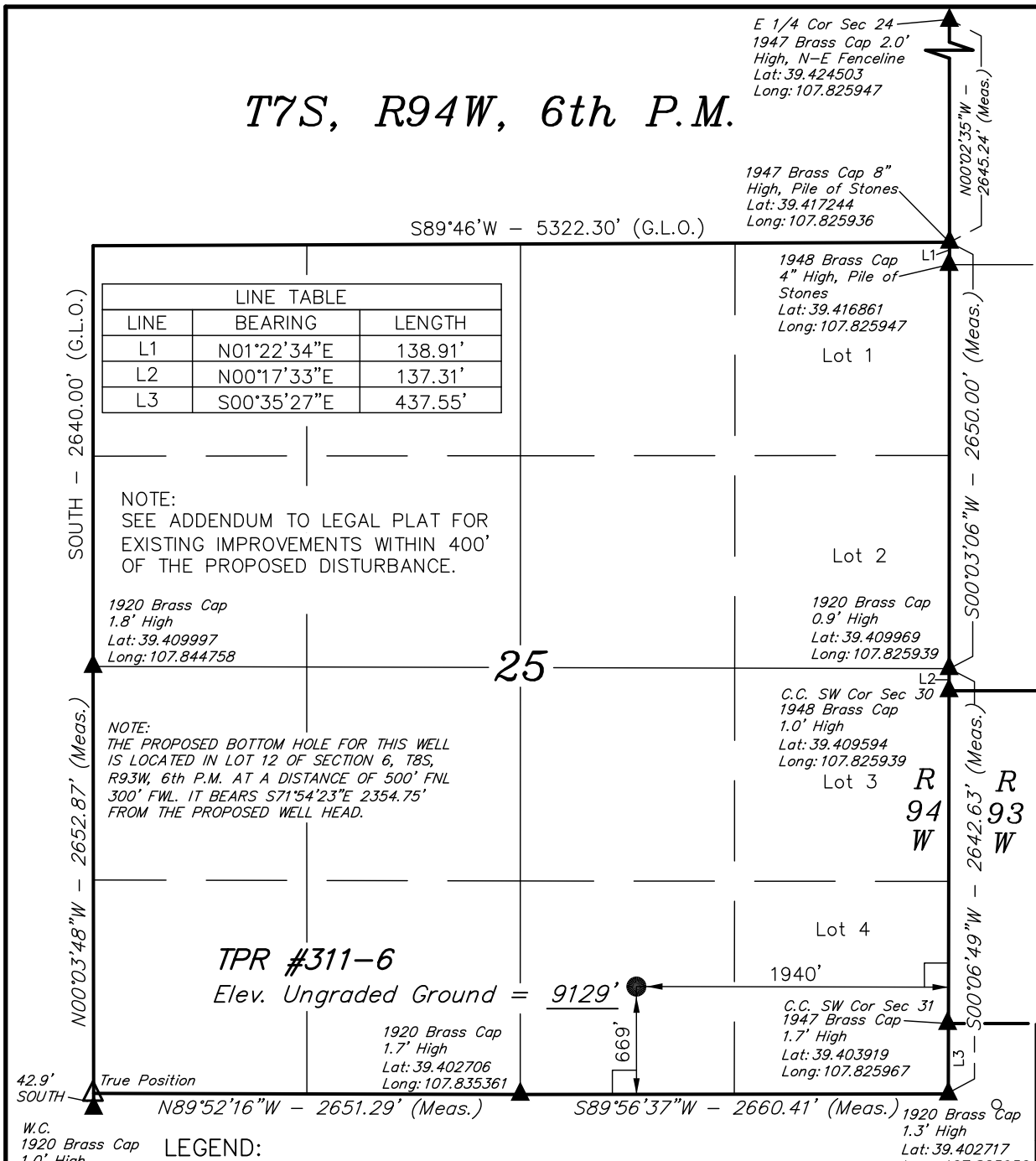
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



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



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.

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.

LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

PDOP = 3.7

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)

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	

BLACK DIAMOND MINERALS, LLC

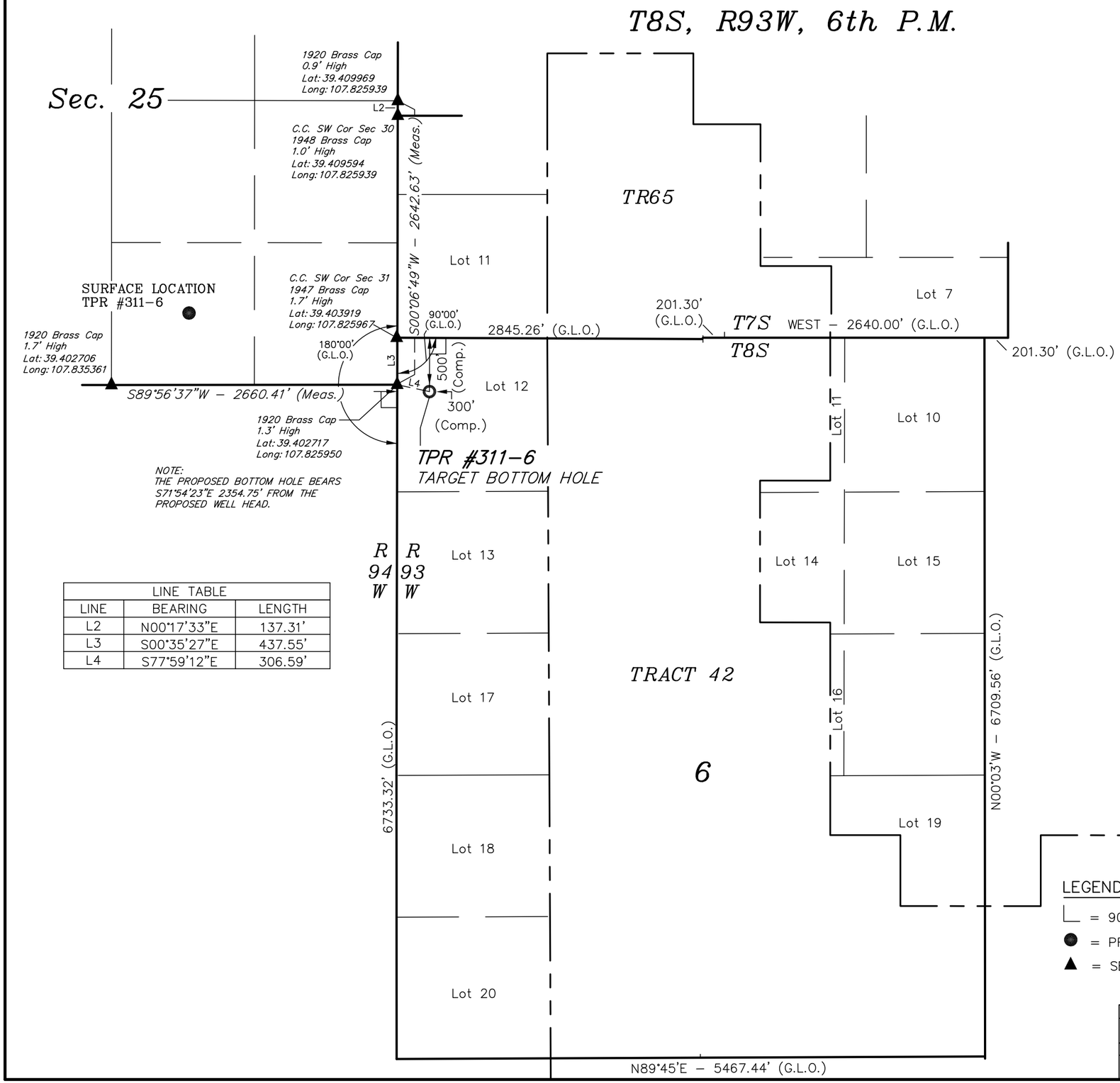
Well location, TPR #311–6 (TARGET BOTTOM HOLE), located as shown in Lot 12 of Section 6, T8S, R93W, 6th P.M., Garfield County, Colorado.

BASIS OF ELEVATION

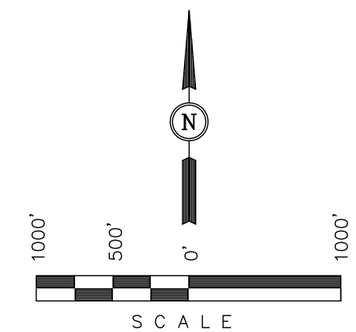
BENCH MARK LOCATED IN THE NE 1/4 OF SECTION 36, T5S, R93W, 6th P.M. TAKEN FROM THE RIFLE QUADRANGLE, COLORADO, GARFIELD COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5546.19 FEET.

BASIS OF BEARINGS

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



LINE TABLE		
LINE	BEARING	LENGTH
L2	N00°17'33"E	137.31'
L3	S00°35'27"E	437.55'
L4	S77°59'12"E	306.59'



LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

NAD 83 (TARGET BOTTOM HOLE)
LATITUDE = 39°24'09.16" (39.402544)
LONGITUDE = 107°49'29.60" (107.824889)
NAD 27 (TARGET BOTTOM HOLE)
LATITUDE = 39°24'09.23" (39.402564)
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

REGISTERED PROFESSIONAL LAND SURVEYOR 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	