

Berry Petroleum Company

1999 Broadway St., Suite 3700
Denver, CO 80202

Ph: (303) 825-3344
Fax: (303) 825-3350

www.bry.com

December 21, 2009

Hand Delivery

EnCana Oil & Gas (USA) Inc.
370 17th Street,
Suite #1700
Denver, CO 80202

Attn: Bob Weaver, Land Negotiator

Re: Waiver of COGCC Rule 305 and 306
Grassy OM01A I33 595, OM16A, OM13C,
OM09D, OM09C, OM09A, OM05C, OM09B,
OM16C, OM16B, OM15D, OM15A, OM10D,
OM10C, OM10B and OM10A
I33 595 Pad – NESE Sec. 33 – 5S-95W
Garfield County, Colorado

Dear Mr. Weaver,

Please be advised that Berry Petroleum Company will be filing 16 drilling permits with the Colorado Oil and Gas Conservation Commission (COGCC) for the wells to be drilled from the I33 595 pad. See the wells referenced above.

Pursuant to COGCC Rule 305 and 306, the enclosed 30 day notification is required as part of the filing process. Please sign and date where indicated and return to my attention. You may contact me at (303)-999-4207 or via email at jl@bry.com, if you have any questions.

Your assistance in this matter would be greatly appreciated.

Sincerely,

Jerry L. Gonzalez
Senior Landman

:Enclosures
cc: Janni Keidel
Land Well file

NOTICE REQUIREMENTS (RULE 305)
I33 595 PAD

Re: Well Name – Grassy OM01A I33 595, OM16A, OM13C, OM09D, OM09C, OM09A, OM05C, OM09B, OM16C, OM16B, OM15D, OM15A, OM10D, OM10C, OM10B and OM10A – Section 33 5S 95W, (Well Pad located in NESE Section 33 5S 95W), Garfield County, CO

In accordance with the Colorado Oil and Gas Conservation Commission for Notices of Oil and Gas Operations, Rule 305, the following information is required to be provided:

- Operations on the above referenced wells are estimated to commence September 15, 2010
- The operator will be: Berry Petroleum Company
1999 Broadway, Suite 3700
Denver, Colorado 80202
(303) 999-4400
- You may contact: Jerry Gonzalez, Senior Landman at (303) 999-4207, if you have any questions regarding this notice.

- **Grassy OM01A I33 595**
Surface Hole: 1,818' FSL and 626' FEL, Sec. 33, T5S, R95W
Bottom Hole: 189' FNL and 390' FEL, Sec. 1, T6S, R96W

Grassy OM16A I33 595
Surface Hole: 1,833' FSL and 628' FEL, Sec. 33, T5S, R95W
Bottom Hole: 1,193' FSL and 240' FEL, Sec. 33, T5S, R95W

Grassy OM13C I33 595
Surface Hole: 1,848' FSL and 630' FEL, Sec. 33, T5S, R95W
Bottom Hole: 599' FSL and 511' FWL, Sec. 34, T5S, R95W

Grassy OM09D I33 595
Surface Hole: 1,863' FSL and 631' FEL, Sec. 33, T5S, R95W
Bottom Hole: 1,459' FSL and 252' FEL, Sec. 33, T5S, R95W

Grassy OM09C I33 595
Surface Hole: 1,878' FSL and 633' FEL, Sec. 33, T5S, R95W
Bottom Hole: 1,814' FSL and 177' FEL, Sec. 33, T5S, R95W

Grassy OM09A I33 595
Surface Hole: 1,893' FSL and 635' FEL, Sec. 33, T5S, R95W
Bottom Hole: 2,380' FSL and 133' FEL, Sec. 33, T5S, R95W

Page 2

Grassy OM01A I33 595, OM16A, OM13C, OM09D,
OM09C, OM09A, OM05C, OM09B, OM16C, OM16B,
OM15D, OM15A, OM10D, OM10C, OM10B and
OM10A

I33 595 Pad – NESE Section 33 5S 95W

EnCana Oil & Gas (U.S.A.) Inc.

August 4, 2009

Grassy OM05C I33 595

Surface Hole: 1,908' FSL and 637' FEL, Sec. 33, T5S, R95W

Bottom Hole: 2,069' FNL and 548' FWL, Sec. 34, T5S, R95W

Grassy OM09B I33 595

Surface Hole: 1,923' FSL and 639' FEL, Sec. 33, T5S, R95W

Bottom Hole: 2,163' FSL and 559' FEL, Sec. 33, T5S, R95W

Grassy OM16C I33 595

Surface Hole: 1,817' FSL and 636' FEL, Sec. 33, T5S, R95W

Bottom Hole: 407' FSL and 527' FEL, Sec. 33, T5S, R95W

Grassy OM16B I33 595

Surface Hole: 1,831' FSL and 637' FEL, Sec. 33, T5S, R95W

Bottom Hole: 767' FSL and 667' FEL, Sec. 33, T5S, R95W

Grassy OM15D I33 595

Surface Hole: 1,847' FSL and 639' FEL, Sec. 33, T5S, R95W

Bottom Hole: 139' FSL and 1,505' FEL, Sec. 33, T5S, R95W

Grassy OM15A I33 595

Surface Hole: 1,862' FSL and 641' FEL, Sec. 33, T5S, R95W

Bottom Hole: 1,229' FSL and 1,717' FEL, Sec. 33, T5S, R95W

Grassy OM10D I33 595

Surface Hole: 1,877' FSL and 643' FEL, Sec. 33, T5S, R95W

Bottom Hole: 1,632' FSL and 1,395' FEL, Sec. 33, T5S, R95W

Grassy OM10C I33 595

Surface Hole: 1,892' FSL and 645' FEL, Sec. 33, T5S, R95W

Bottom Hole: 1,917' FSL and 1,629' FEL, Sec. 33, T5S, R95W

Grassy OM10B I33 595

Surface Hole: 1,906' FSL and 647' FEL, Sec. 33, T5S, R95W

Bottom Hole: 2,202' FSL and 2,268' FEL, Sec. 33, T5S, R95W

Grassy OM10A I33 595

Surface Hole: 1,921' FSL and 649' FEL, Sec. 33, T5S, R95W

Bottom Hole: 2,477' FSL and 1,551' FEL, Sec. 33, T5S, R95W

- The surface owner has the responsibility for notifying any affected tenant of the proposed operations.
- A brochure describing surface owner rights is available upon request from:
Colorado Oil and Gas Conservation Commission
1120 Lincoln Street
Suite 801
Denver, Co 80203

By signing below, the surface owner waives the above notification requirements of Rule 305.

EnCana Oil & Gas (U.S.A.) Inc.

By: 

Printed Name: Robert E. Weaver

Title: LAND NEGOTIATOR

Date: 12-21-09


SURFACE OWNER CONSULTATION (RULE 306)

Berry Petroleum Company confirms that the Surface Owner Consultation requirements of Rule 306 have been completed or waived for the following proposed well locations.

Well Name – Well Name – Grassy OM01A I33 595, OM16A, OM13C, OM09D, OM09C, OM09A, OM05C, OM09B, OM16C, OM16B, OM15D, OM15A, OM10D, OM10C, OM10B and OM10A – Section 33 5S 95W, (Well Pad located in NESE Section 33 5S 95W), Garfield County, CO

Road Description: Existing roadway use and new construction as required for access was previously agreed upon by all parties.

Berry Petroleum Company



Jerry L. Gonzalez
Senior Landman

12/21/09

Date

T5S, R95W, 6th P.M.

BERRY PETROLEUM COMPANY

Well location, GRASSY OM01A 133 595 (SURFACE LOCATION), located as shown in the NE 1/4 SE 1/4 of Section 33, T5S, R95W, 6th P.M., Garfield County, Colorado.

BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 30, T5S, R95W, 6th P.M. TAKEN FROM THE FORKED GULCH 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 5966 FEET.

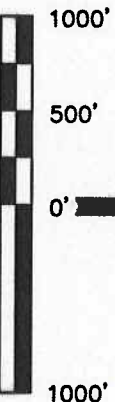
BASIS OF BEARINGS

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

Sheet 1a of 12

LINE TABLE		
LINE	BEARING	LENGTH
L1	N00°01'4"W	326.70'
L2	S89°54'51"W	362.28'

NOTE:
SEE ADDENDUM PLAT FOR EXISTING IMPROVEMENT WITHIN 400' OF 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

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

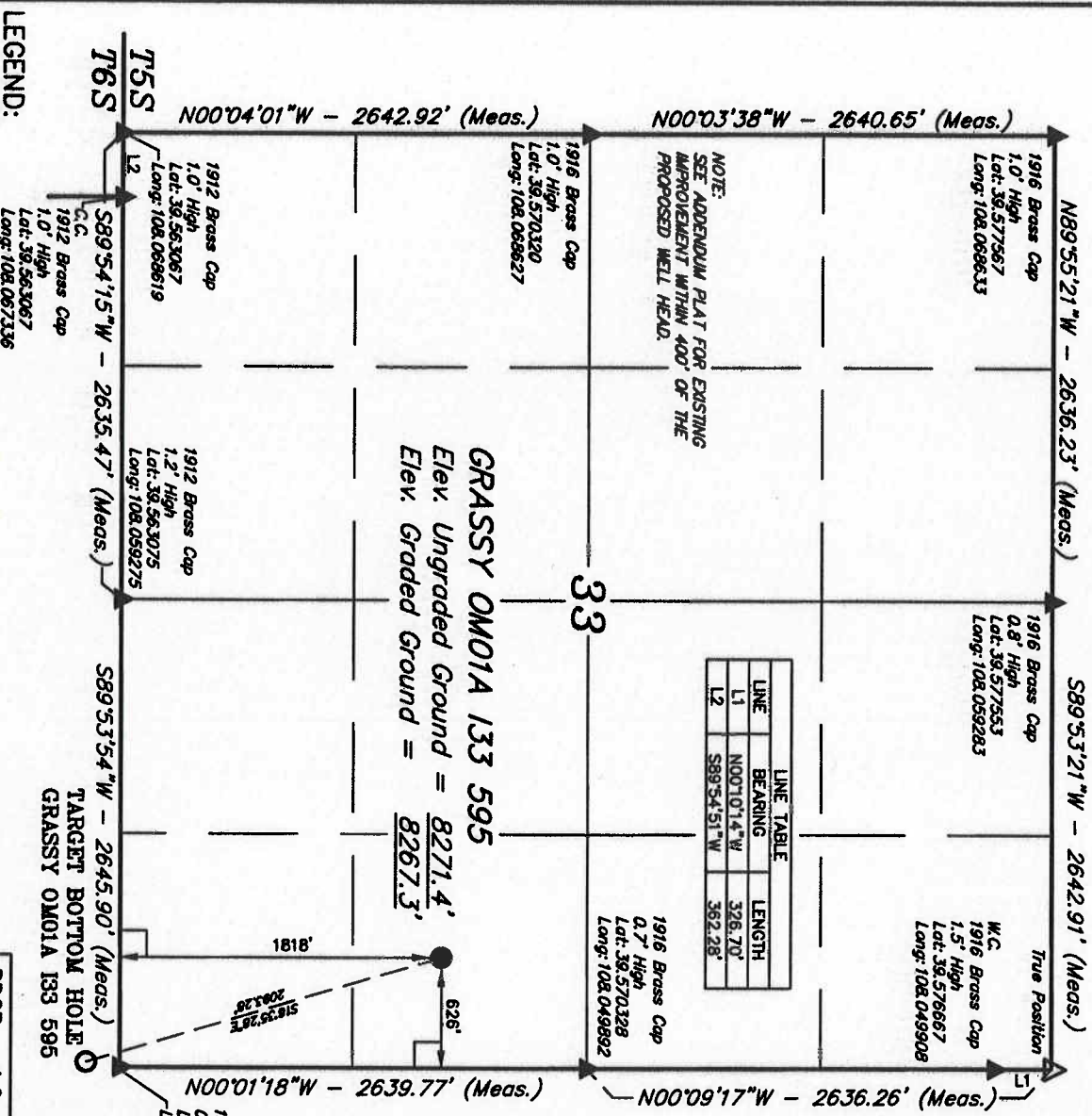
SCALE
1" = 1000'

PARTY	DATE SURVEYED:	DATE DRAWN:
B.H. B.B. D.R.B.	05-12-09	06-26-09

REFERENCES
G.L.O. PLAT

WEATHER
WARM

BERRY PETROLEUM COMPANY



LEGEND:

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

PDOP = 1.9	
NAD 83 (SURFACE LOCATION)	
LATITUDE = 39°34'05.06" (39.568072)	
LONGITUDE = 108°03'07.60" (108.052111)	
NAD 27 (SURFACE LOCATION)	
LATITUDE = 39°34'05.14" (39.568094)	
LONGITUDE = 108°03'05.32" (108.051478)	

BERRY PETROLEUM COMPANY

Well location, GRASSY OM01A 133 595 (TARGET BOTTOM HOLE), located as shown in Lot 3 of Section 1, T6S, R96W, 6th P.M., Garfield County, Colorado.

BASIS OF ELEVATION

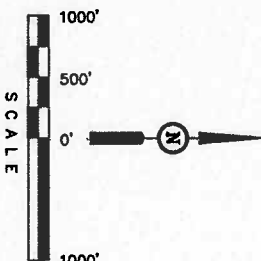
SPOUT ELEVATION AT THE NORTHWEST CORNER OF SECTION 30, T5S, R95W, 6th P.M. TAKEN FROM THE FORKED GULCH QUADRANGLE, COLORADO, GARFIELD COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY, SAID ELEVATION IS MARKED AS BEING 5566 FEET.

BASIS OF BEARINGS

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



Sheet 1b of 12



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

UNITAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 788-1017

1" = 1000'

DATE RECEIVED:	DATE PRINTED:
05-12-09	06-26-09

[illegible]

B.H. B.

WEATHER

WARM

BERRY PETROLEUM COMPANY

T5S, R95W, 6th P.M.

BERRY PETROLEUM COMPANY

Well location, GRASSY OM16A 133 595, located as shown in the NE 1/4 SE 1/4 of Section 33, T5S, R95W, 6th P.M., Garfield County, Colorado.

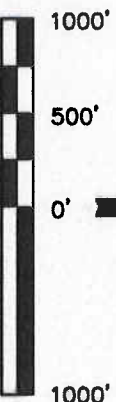
BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 30, T5S, R95W, 6th P.M. TAKEN FROM THE FORKED GULCH 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 5966 FEET.

BASIS OF BEARINGS

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

Sheet 1g of 12



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

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

LEGEND:	
—	= 90° SYMBOL
●	= PROPOSED WELL HEAD.
▲	= SECTION CORNERS LOCATED.
NAD 83 (TARGET BOTTOM HOLE)	
LATITUDE = 39°33'58.86" (39.566356)	NAD 83 (SURFACE LOCATION)
LONGITUDE = 108°03'02.67" (108.050742)	LATITUDE = 39°34'05.21" (39.568114)
NAD 27 (TARGET BOTTOM HOLE)	
LATITUDE = 39°33'58.87" (39.566380)	NAD 27 (SURFACE LOCATION)
LONGITUDE = 108°03'00.40" (108.050111)	LATITUDE = 39°34'05.29" (39.568136)
PDOP = 1.4	
SCALE	DATE SURVEYED: 05-12-09
1" = 1000'	DATE DRAWN: 06-26-09
PARTY	REFERENCES
B.H. B.B. D.R.B.	G.L.O. PLAT
WEATHER	FILE
WARM	BERRY PETROLEUM COMPANY

T5S, R95W, 6th P.M.

BERRY PETROLEUM COMPANY

Well location, GRASSY OM13C 133 595 (SURFACE LOCATION), located as shown in the NE 1/4 SE 1/4 of Section 33, T5S, R95W, 6th P.M., Garfield County, Colorado.

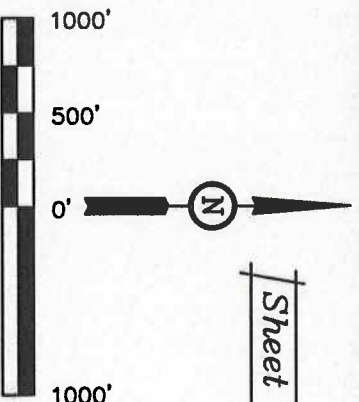
BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 30, T5S, R95W, 6th P.M. TAKEN FROM THE FORKED GULCH 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 5966 FEET.

BASIS OF BEARINGS

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

Sheet 1m of 12



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.

GRASSY OM13C 133 595
TARGET BOTTOM HOLE

REGISTERED LAND SURVEYOR
REGISTRATION NO. 17492
STATE OF COLORADO

UTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

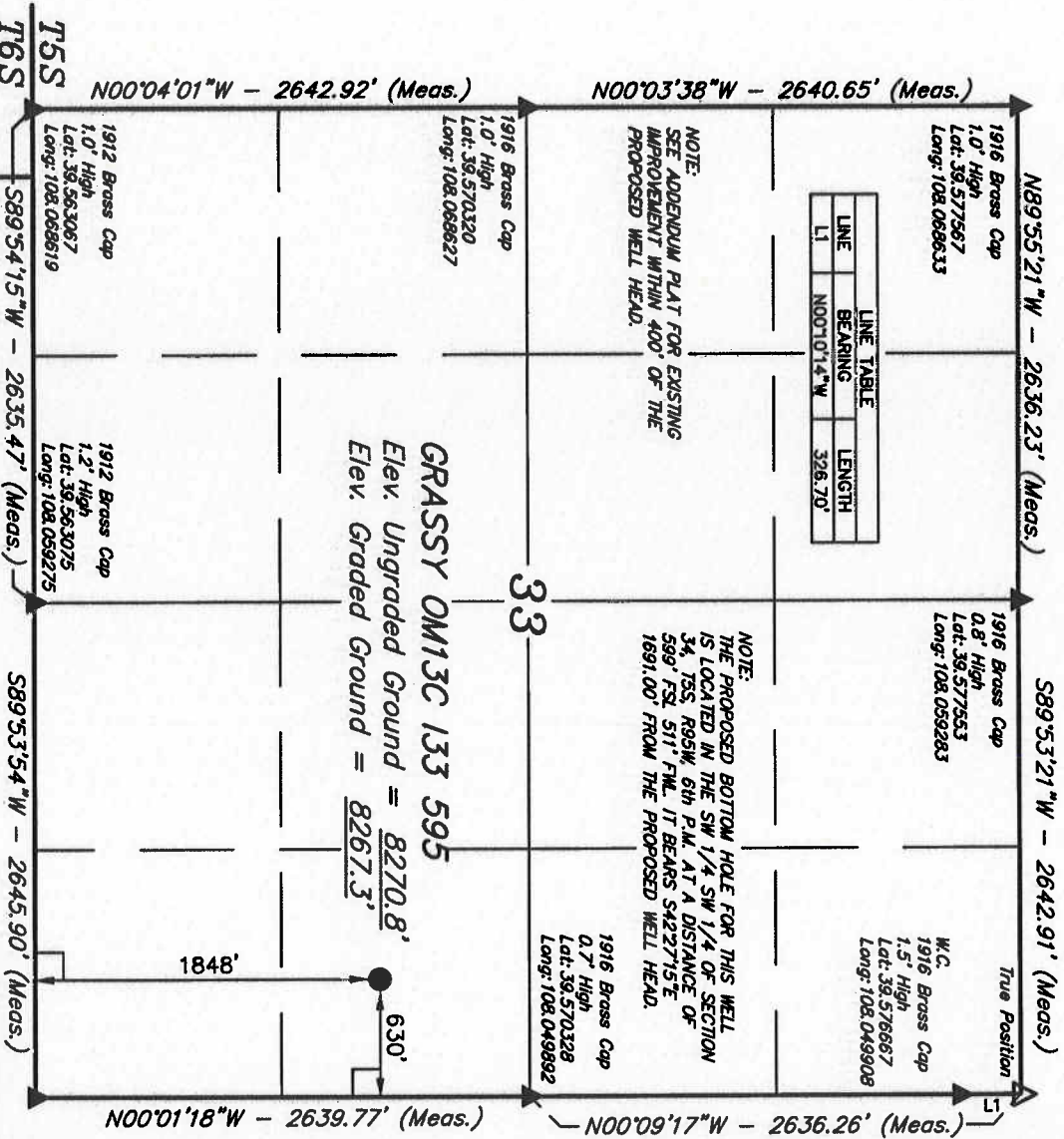
(435) 788-1017

SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	05-12-09	06-26-09

PARTY	REFERENCES
B.H. B.B. D.R.B.	G.L.O. PLAT
WEATHER	FILE
WARM	BERRY PETROLEUM COMPANY

LEGEND:

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



NAD 83 (SURFACE LOCATION)
LATITUDE = 39°34'05.35" (39.568153)
LONGITUDE = 108°03'07.65" (108.052125)
NAD 27 (SURFACE LOCATION)
LATITUDE = 39°34'05.44" (39.568178)
LONGITUDE = 108°03'05.37" (108.051492)

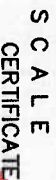
PDOP = 2.0

BERRY PETROLEUM COMPANY

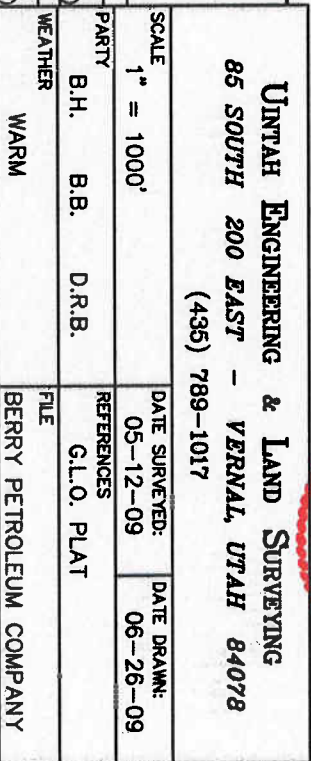
BASIS OF ELEVATION

BASIS OF BEARINGS

Sheet 1n of 12



17192
REGISTERED LAND SURVEYOR
REGISTRATION NO. 17192
STATE OF COLORADO



T5S, R95W, 6th P.M.

BERRY PETROLEUM COMPANY

Well location, GRASSY OM09D 133 595, located as shown in the NE 1/4 SE 1/4 of Section 33, T5S, R95W, 6th P.M., Garfield County, Colorado.

BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 30, T5S, R95W, 6th P.M. TAKEN FROM THE FORKED GULCH 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 5966 FEET.

BASIS OF BEARINGS

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

Sheet 1h of 12

NOTE:
SEE ADDENDUM PLAT FOR EXISTING IMPROVEMENT WITHIN 400' OF THE PROPOSED WELL HEAD.

LINE	BEARING	LENGTH
L1	N00°07'14"W	326.70'
L2	S89°54'51"W	362.28'
L3	S43°15'18"E	554.30'

N00°03'38"W - 2640.65' (Meas.)

N89°55'21"W - 2636.23' (Meas.)

S89°53'21"W - 2642.91' (Meas.)

N00°09'17"W - 2636.26' (Meas.)

N00°04'01"W - 2642.92' (Meas.)

T5S

T6S

33

1916 Brass Cap
1.0' High
Lat: 39.570320
Long: 108.068627

1916 Brass Cap
1.0' High
Lat: 39.577567
Long: 108.068633

1916 Brass Cap
0.8' High
Lat: 39.577553
Long: 108.059283

W.C.
1916 Brass Cap
1.5' High
Lat: 39.576667
Long: 108.049908

1916 Brass Cap
0.7' High
Lat: 39.570328
Long: 108.049892

1912 Brass Cap
1.0' High
Lat: 39.563067
Long: 108.068619

1912 Brass Cap
1.2' High
Lat: 39.563075
Long: 108.059275

1912 Brass Cap
1.0' High
Lat: 39.563067
Long: 108.067336

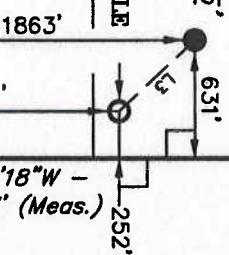
S89°54'15"W - 2635.47' (Meas.)

S89°53'54"W - 2645.90' (Meas.)

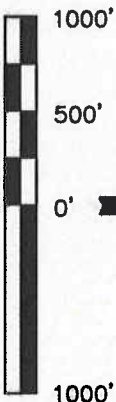
1912 Brass Cap
0.8' High
Lat: 39.563083
Long: 108.049894

GRASSY OM09D 133 595
Elev. Ungraded Ground = 8270.5'
Elev. Graded Ground = 8267.3'

BOTTOM HOLE



N00°01'18"W - 2639.77' (Meas.)



SCALE

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

CERTIFICATE

REGISTERED LAND SURVEYOR
REGISTRATION NO. 17482
STATE OF COLORADO

LEGEND:

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

PDOP = 1.4

SCALE 1" = 1000'

DATE SURVEYED: 05-12-09

DATE DRAWN: 06-26-09

PARTY

B.H.

B.B.

D.R.B.

REFERENCES

G.L.O. PLAT

FILE

BERRY PETROLEUM COMPANY

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

T55, R95W, 6th P.M.

BERRY PETROLEUM COMPANY

Well location, GRASSY OM09C 133 595, located as shown in the NE 1/4 SE 1/4 of Section 33, T55, R95W, 6th P.M., Garfield County, Colorado.

BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 30, T55, R95W, 6th P.M. TAKEN FROM THE FORKED GULCH 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 5966 FEET.

BASIS OF BEARINGS

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

Sheet 1g of 12

LINE	BEARING	LENGTH
L1	N00°0'14"W	326.70'
L2	S89°5'4" W	362.28'
L3	S82°06'37"E	460.99'

NOTE:
SEE ADDENDUM PLAT FOR EXISTING IMPROVEMENT WITHIN 400' OF THE PROPOSED WELL HEAD.

1916 Brass Cap
1.0' High
Lat: 39.570320
Long: 108.068627

1916 Brass Cap
0.7' High
Lat: 39.570328
Long: 108.049892

1916 Brass Cap
1.0' High
Lat: 39.577567
Long: 108.068633

1916 Brass Cap
0.8' High
Lat: 39.577553
Long: 108.059283

W.C.
1916 Brass Cap
1.5' High
Lat: 39.576667
Long: 108.049908

N00°04'01"W - 2642.92' (Meas.)

N00°03'38"W - 2640.65' (Meas.)

N89°55'21"W - 2636.23' (Meas.)

S89°53'21"W - 2642.91' (Meas.)

True Position

N00°09'17"W - 2636.26' (Meas.)

N00°01'18"W - 2639.77' (Meas.)

33

GRASSY OM09C 133 595
Elev. Ungraded Ground = 8270.6'
Elev. Graded Ground = 8267.3'

1878'
1814'
633'
177'
TARGET BOTTOM HOLE

1912 Brass Cap
1.0' High
Lat: 39.563067
Long: 108.068619

1912 Brass Cap
1.2' High
Lat: 39.563075
Long: 108.059275

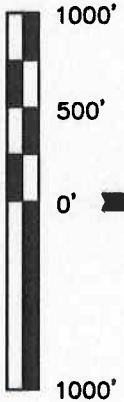
1912 Brass Cap
0.8' High
Lat: 39.563083
Long: 108.049894

LEGEND:

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

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 39°34'05.02" (39.568061)	LATITUDE = 39°34'05.65" (39.568236)
LONGITUDE = 108°03'01.87" (108.050519)	LONGITUDE = 108°03'07.70" (108.052139)
NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (SURFACE LOCATION)
LATITUDE = 39°34'05.10" (39.568084)	LATITUDE = 39°34'05.73" (39.568256)
LONGITUDE = 108°02'59.59" (108.049887)	LONGITUDE = 108°03'05.42" (108.051506)

PDOP = 1.4



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. 17462
STATE OF COLORADO

UNTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(436) 789-1017

PARTY	DATE SURVEYED:	DATE DRAWN:
B.H. B.B. D.R.B.	05-12-09	06-26-09
WEATHER	REFERENCES	
WARM	G.L.O. PLAT	
	FILE	
	BERRY PETROLEUM COMPANY	

T5S, R95W, 6th P.M.

BERRY PETROLEUM COMPANY

Well location, GRASSY OM09A 133 595, located as shown in the NE 1/4 SE 1/4 of Section 33, T5S, R95W, 6th P.M., Garfield County, Colorado.

BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 30, T5S, R95W, 6th P.M. TAKEN FROM THE FORKED GULCH 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 5966 FEET.

BASIS OF BEARINGS

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

Sheet 1e of 12

LINE TABLE		
LINE	BEARING	LENGTH
L1	N00°01'4"W	326.70'
L2	S89°54'51"W	362.28'
L3	N45°49'43"E	700.40'

NOTE:
SEE ADDENDUM PLAT FOR EXISTING
IMPROVEMENT WITHIN 400' OF THE
PROPOSED WELL HEAD.

N00°03'38"W - 2640.65' (Meas.)

N89°55'21"W - 2636.23' (Meas.)

S89°53'21"W - 2642.91' (Meas.)

1916 Brass Cap
0.7' High
Lat: 38.570328
Long: 108.049892

W.C.
1916 Brass Cap
1.5' High
Lat: 38.576667
Long: 108.049908

33

1916 Brass Cap
1.0' High
Lat: 38.570320
Long: 108.068627

N00°04'01"W - 2642.92' (Meas.)

1912 Brass Cap
1.0' High
Lat: 38.563067
Long: 108.068619

1912 Brass Cap
1.2' High
Lat: 38.563075
Long: 108.059275

T5S
T6S

S89°54'15"W - 2635.47' (Meas.)

S89°53'54"W - 2645.90' (Meas.)

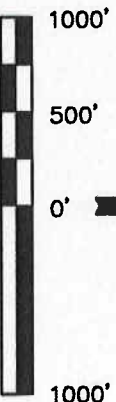
N00°01'18"W - 2639.77' (Meas.)

N00°09'17"W - 2636.26' (Meas.)

GRASSY OM09A 133 595
Elev. Ungraded Ground = 8270.4'
Elev. Graded Ground = 8267.3'

TARGET BOTTOM HOLE

1893'
2380'



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

LEGEND:

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

NAD 83 (TARGET BOTTOM HOLE)		NAD 83 (SURFACE LOCATION)	
LATITUDE = 39°34'10.61" (39.569614)	LATITUDE = 39°34'05.80" (39.568278)		
LONGITUDE = 108°03'01.50" (108.050361)	LONGITUDE = 108°03'07.72" (108.052144)		
NAD 27 (TARGET BOTTOM HOLE)		NAD 27 (SURFACE LOCATION)	
LATITUDE = 39°34'10.70" (39.569638)	LATITUDE = 39°34'05.88" (39.568300)		
LONGITUDE = 108°02'59.03" (108.049731)	LONGITUDE = 108°03'05.45" (108.051514)		

PDOP = 2.0

1912 Brass Cap
0.8' High
Lat: 38.563083
Long: 108.049894

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

SCALE 1" = 1000'

PARTY		REFERENCES	
B.H.	B.B.	G.L.O. PLAT	
WEATHER		FILE	
WARM		BERRY PETROLEUM COMPANY	

DATE SURVEYED: 05-12-09
DATE DRAWN: 06-26-09

T5S, R95W, 6th P.M.

BERRY PETROLEUM COMPANY

Well location, GRASSY OM05C 133 595 (SURFACE LOCATION), located as shown in the NE 1/4 SE 1/4 of Section 33, T5S, R95W, 6th P.M., Garfield County, Colorado.

BASIS OF ELEVATION

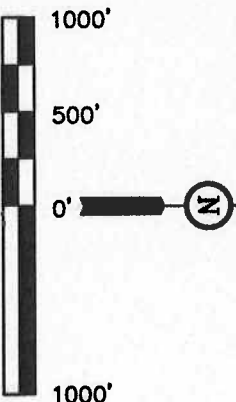
SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 30, T5S, R95W, 6th P.M. TAKEN FROM THE FORKED GULCH QUADRANGLE, COLORADO, GARFIELD COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5966 FEET.

BASIS OF BEARINGS

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

GRASSY OM05C 133 595
TARGET BOTTOM HOLE

Sheet 1c of 12



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.

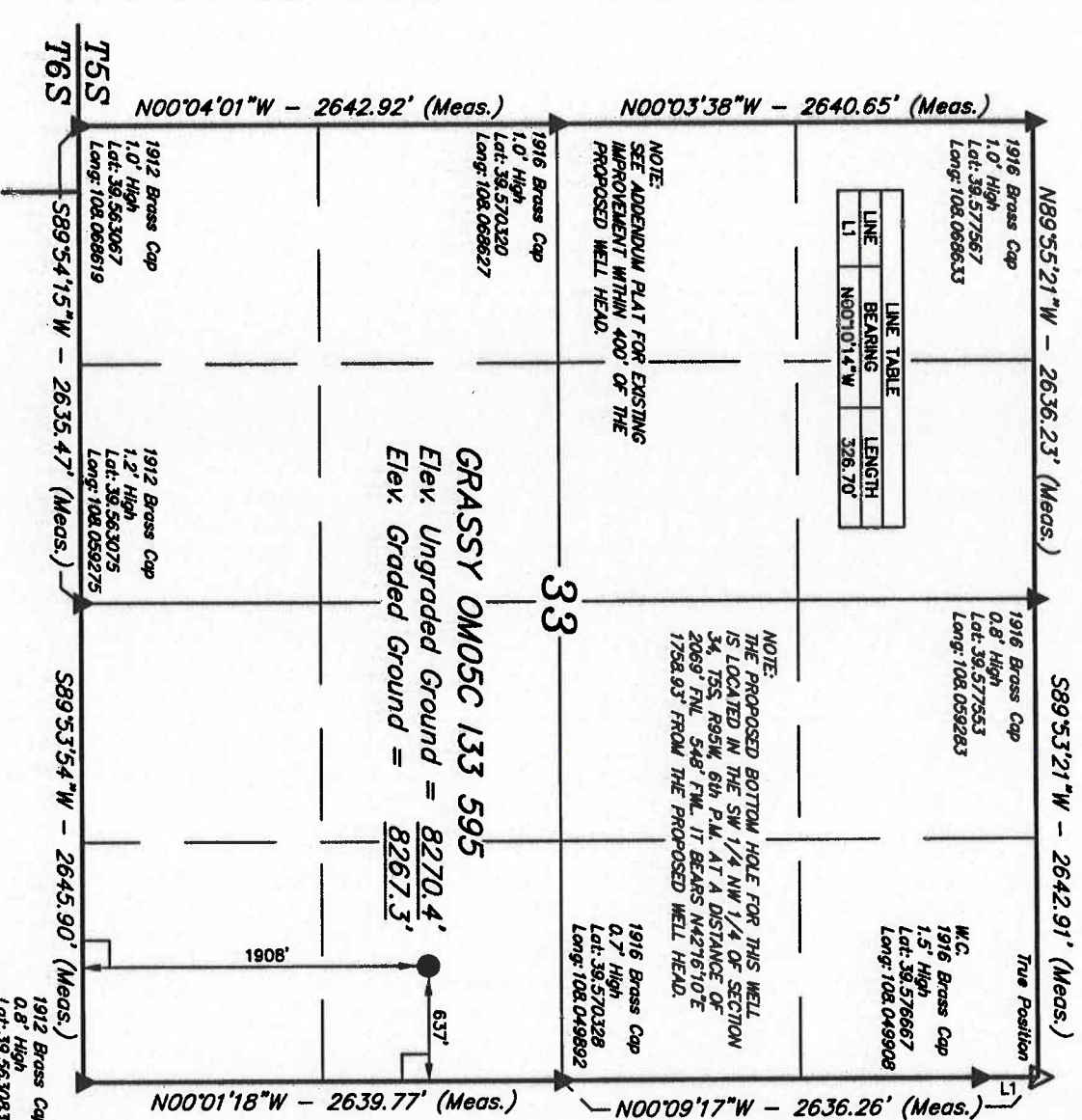
REGISTERED LAND SURVEYOR
REGISTRATION NO. 17492
STATE OF COLORADO

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

SCALE 1" = 1000'

PARTY	B.H.	B.B.	D.R.B.	REFERENCES
WEATHER	WARM			G.L.O. PLAT
FILE				BERRY PETROLEUM COMPANY

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



T5S, R95W, 6th P.M.

BERRY PETROLEUM COMPANY

Well location, GRASSY OM05C 133 595 (TARGET BOTTOM HOLE), located as shown in the SW 1/4 NW 1/4 of Section 34, T5S, R95W, 6th P.M., Garfield County, Colorado.

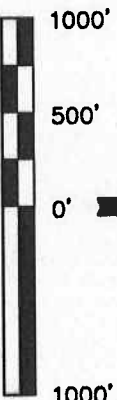
BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 30, T5S, R95W, 6th P.M. TAKEN FROM THE FORKED GULCH 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 5966 FEET.

BASIS OF BEARINGS

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

Sheet 1d of 12



SCALE

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

UNTAR ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE
1" = 1000'

DATE SURVEYED: 05-12-09 DATE DRAWN: 06-26-09

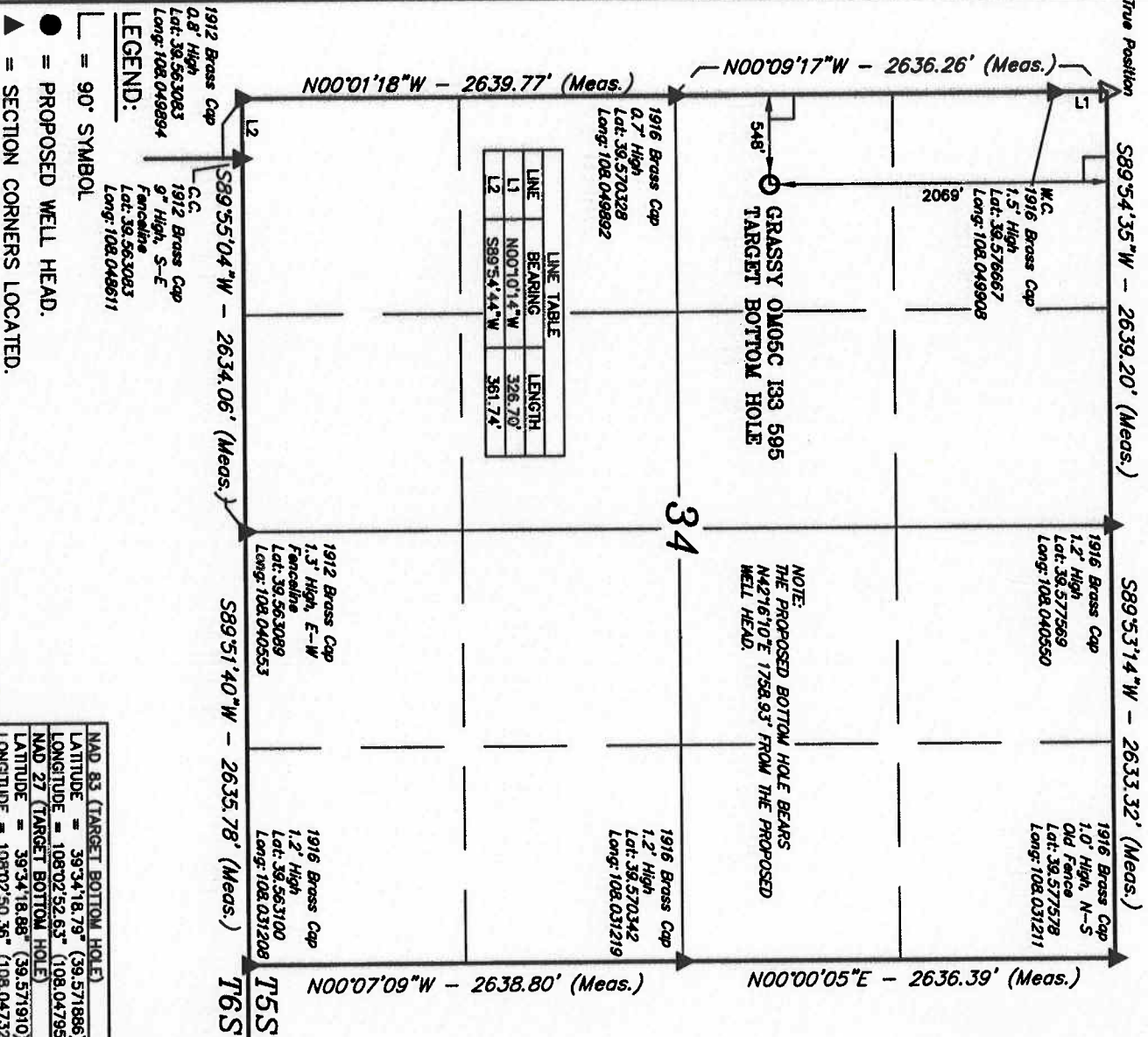
PARTY
B.H. B.B. D.R.B.

REFERENCES
G.L.O. PLAT

WEATHER
WARM

FILE

BERRY PETROLEUM COMPANY



T55, R95W, 6th P.M.

BERRY PETROLEUM COMPANY

Well location, GRASSY OM09B 133 595, located as shown in the NE 1/4 SE 1/4 of Section 33, T55, R95W, 6th P.M., Garfield County, Colorado.

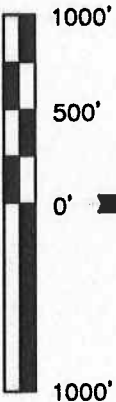
BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 30, T55, R95W, 6th P.M. TAKEN FROM THE FORKED GULCH 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 5966 FEET.

BASIS OF BEARINGS

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

Sheet 1 of 12



SCALE

CERTIFICATE

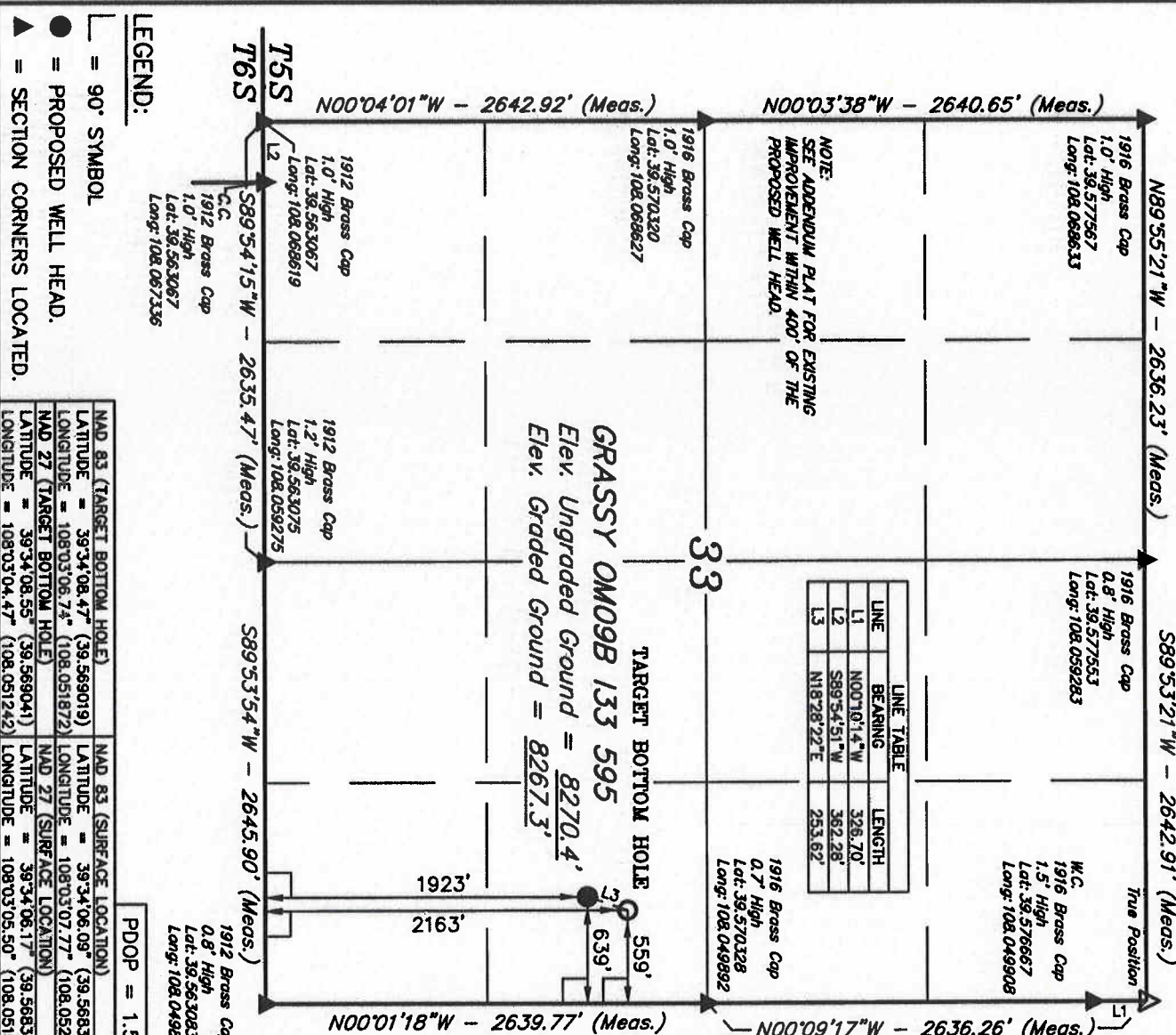
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 17402
STATE OF COLORADO

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

SCALE 1" = 1000'

PARTY B.H. B.B. D.R.B. FILE
WEATHER WARM
DATE SURVEYED: 05-12-09 DATE DRAWN: 06-26-09
REFERENCES G.L.O. PLAT
BERRY PETROLEUM COMPANY



T55, R95W, 6th P.M.

BERRY PETROLEUM COMPANY

Well location, GRASSY OM16C 133 595, located as shown in the NE 1/4 SE 1/4 of Section 33, T55, R95W, 6th P.M., Garfield County, Colorado.

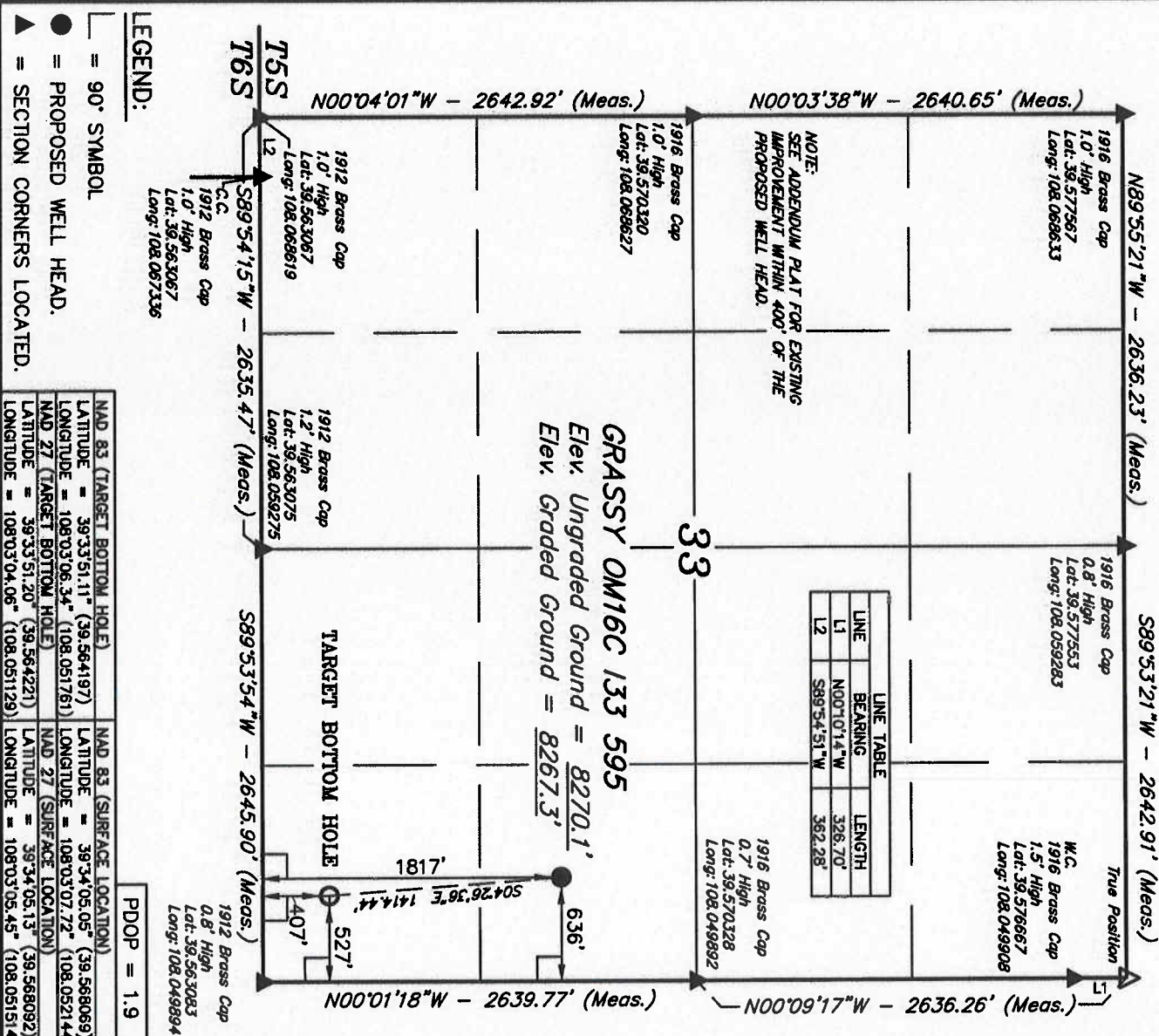
BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 30, T55, R95W, 6th P.M. TAKEN FROM THE FORKED GULCH 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 5966 FEET.

BASIS OF BEARINGS

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

Sheet 1s of 12



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

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

SCALE 1" = 1000'	DATE SURVEYED: 05-12-09	DATE DRAWN: 06-26-09
PARTY B.H. B.B. D.R.B.	REFERENCES G.L.O. PLAT	FILE BERRY PETROLEUM COMPANY
WEATHER WARM		

T5S, R95W, 6th P.M.

BERRY PETROLEUM COMPANY

Well location, GRASSY OM16B 133 595, located as shown in the NE 1/4 SE 1/4 of Section 33, T5S, R95W, 6th P.M., Garfield County, Colorado.

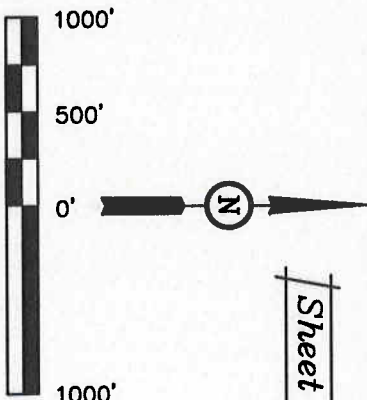
BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 30, T5S, R95W, 6th P.M. TAKEN FROM THE FORKED GULCH 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 5966 FEET.

BASIS OF BEARINGS

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

Sheet 1r of 12



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.

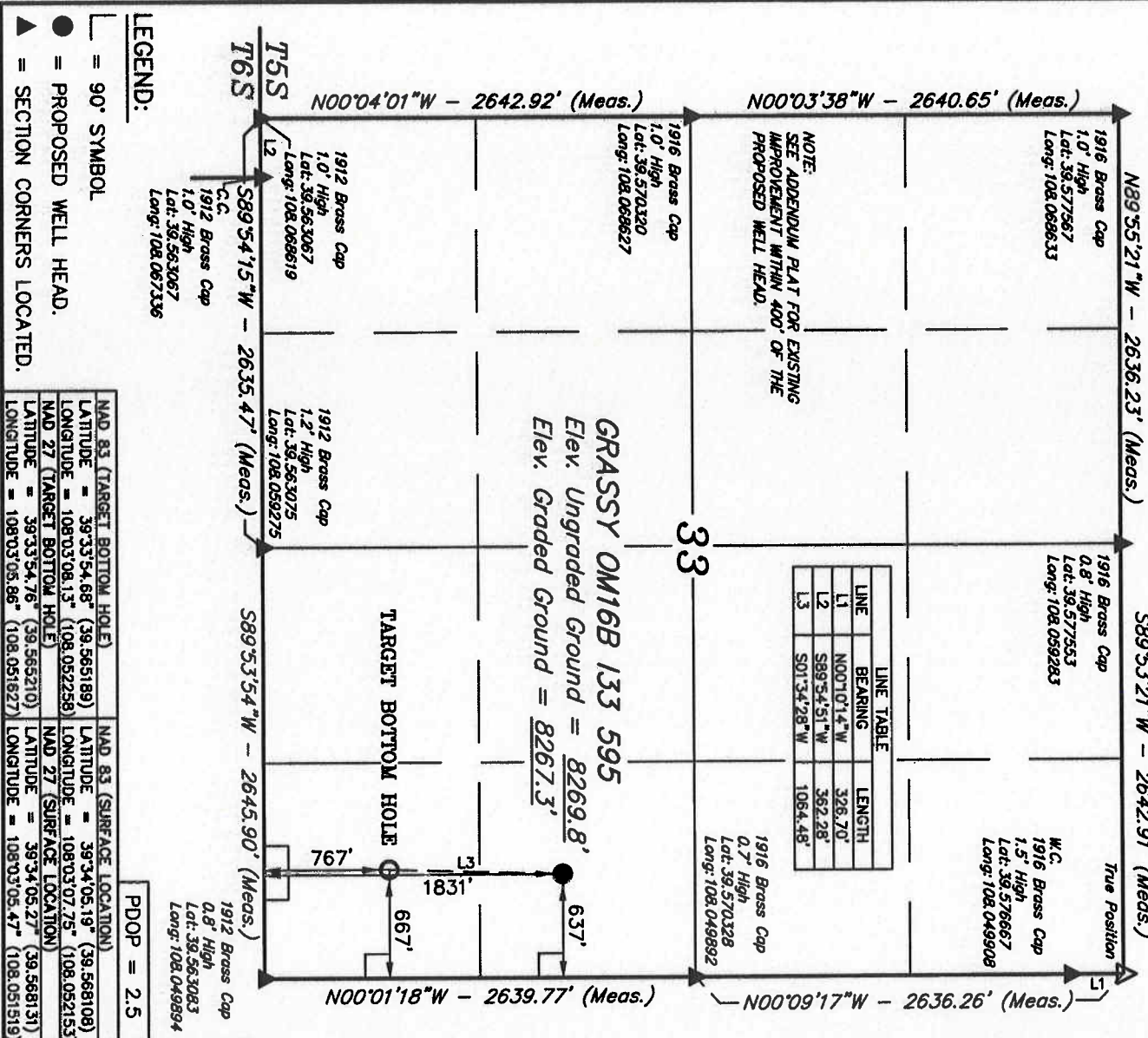
REGISTERED LAND SURVEYOR
REGISTRATION NO. 17492
STATE OF COLORADO

Revised: 08-12-09 D.R.B.

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

SCALE: 1" = 1000'
DATE SURVEYED: 05-12-09 DATE DRAWN: 06-26-09

PARTY: B.H., B.B., D.R.B.
WEATHER: WARM
FILE: BERRY PETROLEUM COMPANY



T5S, R95W, 6th P.M.

BERRY PETROLEUM COMPANY

Well location, GRASSY OM15D 133 595, located as shown in the NE 1/4 SE 1/4 of Section 33, T5S, R95W, 6th P.M., Garfield County, Colorado.

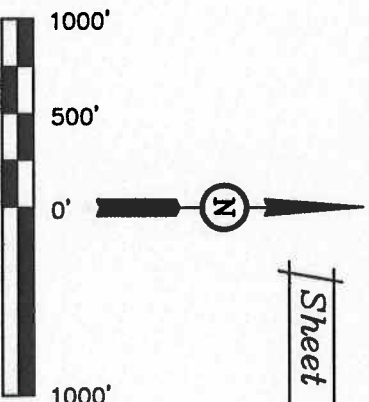
BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 30, T5S, R95W, 6th P.M. TAKEN FROM THE FORKED GULCH 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 5966 FEET.

BASIS OF BEARINGS

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

Sheet 1p of 12



CERTIFICATE

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REGISTERED LAND SURVEYOR
REGISTRATION NO. 17492
STATE OF COLORADO

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

SCALE 1" = 1000'
DATE SURVEYED: 05-12-09 DATE DRAWN: 06-26-09

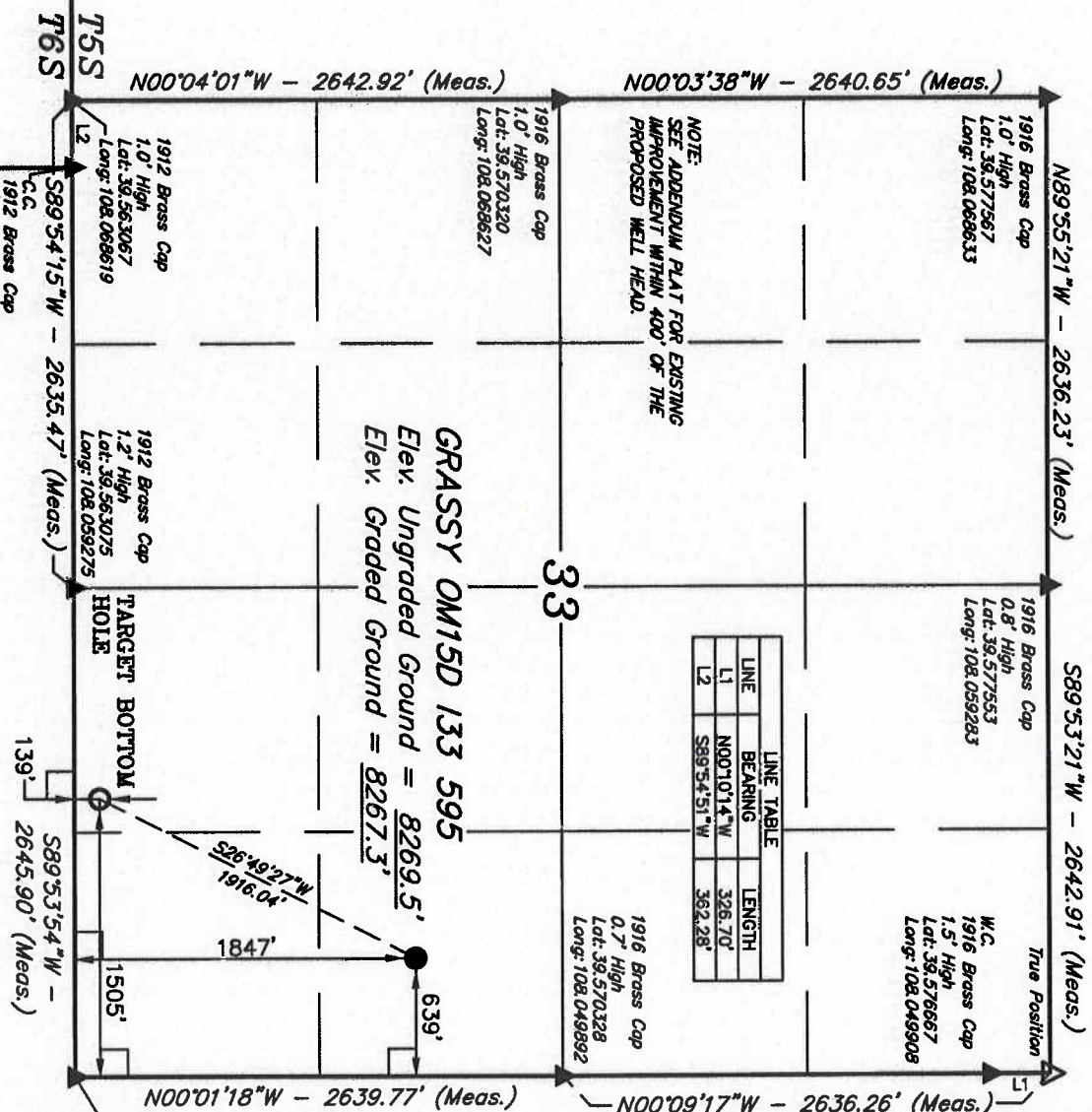
PARTY B.H. B.B. D.R.B. REFERENCES G.L.O. PLAT
WEATHER WARM FILE BERRY PETROLEUM COMPANY

LEGEND:

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

NAD 83 (TARGET BOTTOM HOLE)	
LATITUDE = 39°33'48.45" (39.563458)	LATITUDE = 39°34'05.34" (39.568150)
LONGITUDE = 108°03'18.82" (108.055228)	LONGITUDE = 108°03'07.77" (108.052158)
NAD 27 (TARGET BOTTOM HOLE)	
LATITUDE = 39°33'48.54" (39.563482)	LATITUDE = 39°34'05.42" (39.568172)
LONGITUDE = 108°03'16.55" (108.054597)	LONGITUDE = 108°03'06.50" (108.051528)

PDOP = 2.0



T5S, R95W, 6th P.M.

BERRY PETROLEUM COMPANY

Well location, GRASSY OM15A 133 595, located as shown in the NE 1/4 SE 1/4 of Section 33, T5S, R95W, 6th P.M., Garfield County, Colorado.

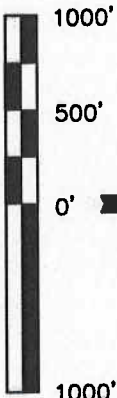
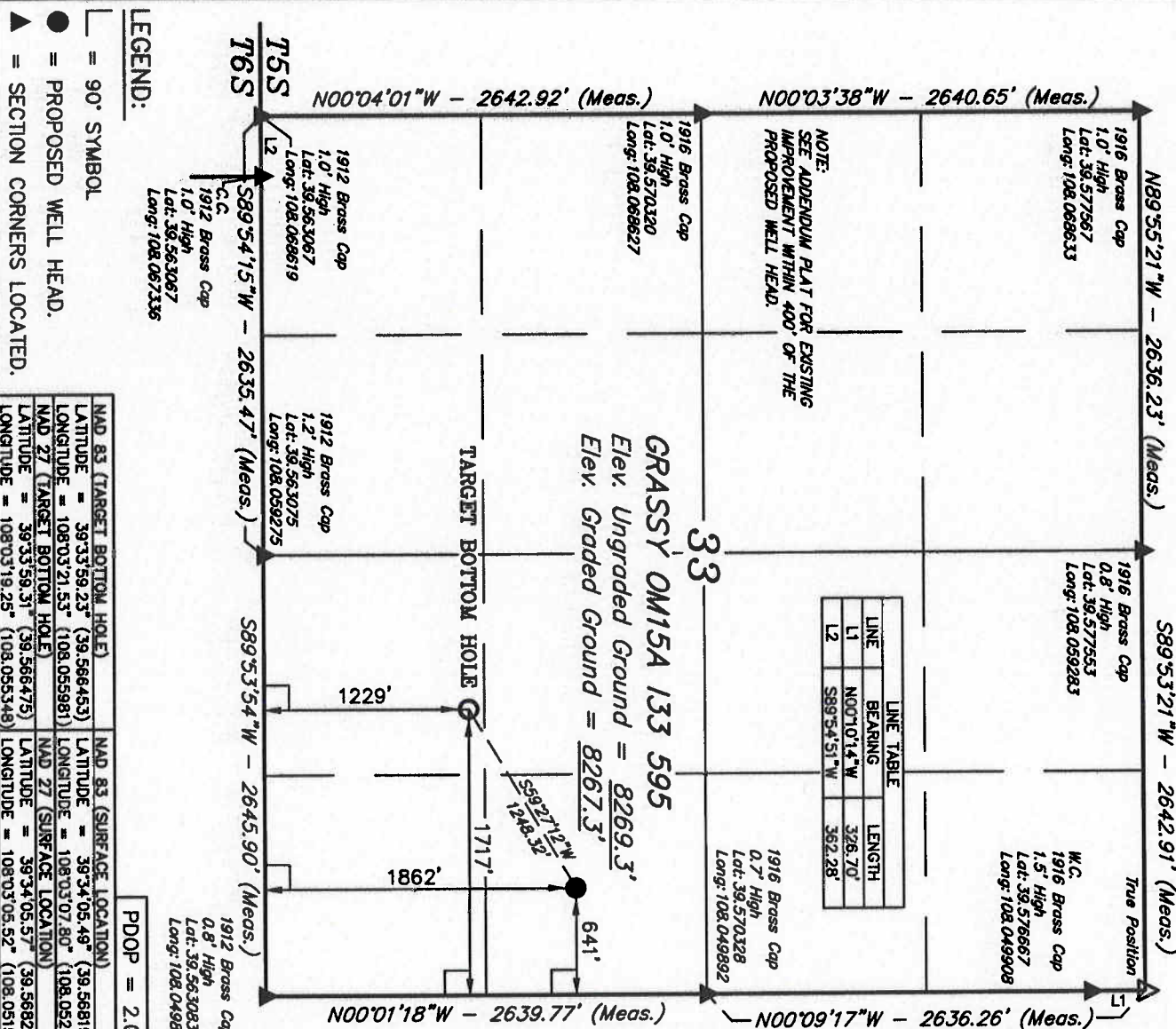
BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 30, T5S, R95W, 6th P.M. TAKEN FROM THE FORKED GULCH 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 5966 FEET.

BASIS OF BEARINGS

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

Sheet 10 of 12



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. 17462
STATE OF COLORADO

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

SCALE 1" = 1000'

PARTY B.H. B.B. D.R.B. FILE BERRY PETROLEUM COMPANY

DATE SURVEYED: 05-12-09 DATE DRAWN: 06-26-09

REFERENCES G.L.O. PLAT

WEATHER WARM

T5S, R95W, 6th P.M.

BERRY PETROLEUM COMPANY

Well location, GRASSY OM10D 133 595, located as shown in the NE 1/4 SE 1/4 of Section 33, T5S, R95W, 6th P.M., Garfield County, Colorado.

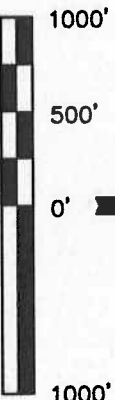
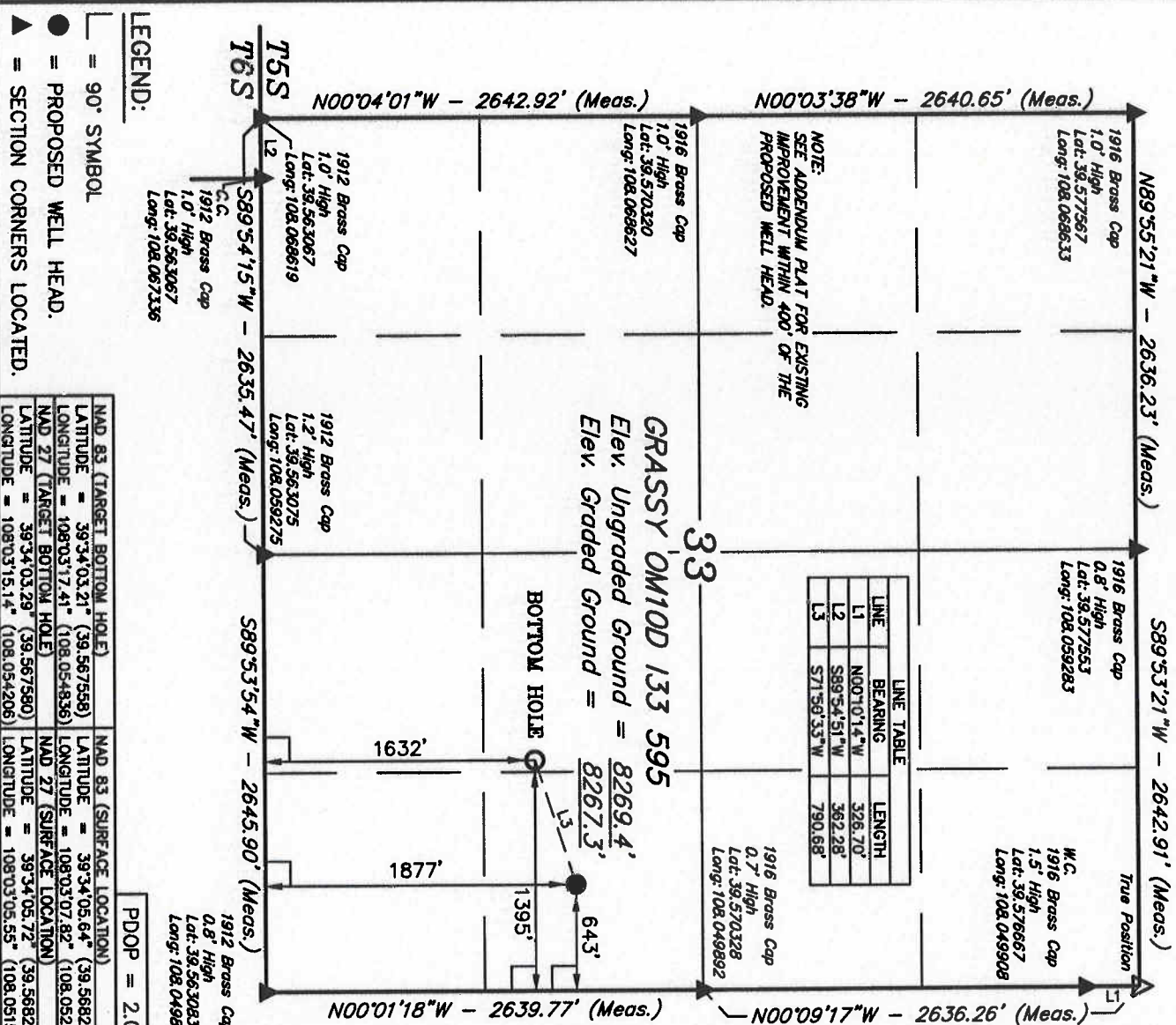
BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 30, T5S, R95W, 6th P.M. TAKEN FROM THE FORKED GULCH 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 5966 FEET.

BASIS OF BEARINGS

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

Sheet 11 of 12



CERTIFICATE

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REGISTERED LAND SURVEYOR
REGISTRATION NO. 17492
STATE OF COLORADO

UTAH ENGINEERING & LAND SURVEYING
86 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 788-1017

SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	05-12-09	06-26-09
PARTY	REFERENCES	FILE
B.H. B.B. D.R.B.	G.L.O. PLAT	BERRY PETROLEUM COMPANY
WEATHER		
WARM		

T55, R95W, 6th P.M.

BERRY PETROLEUM COMPANY

Well location, GRASSY OM10C 133 595, located as shown in the NE 1/4 SE 1/4 of Section 33, T5S, R95W, 6th P.M., Garfield County, Colorado.

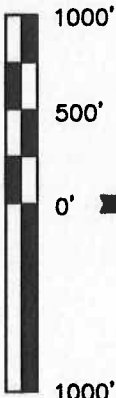
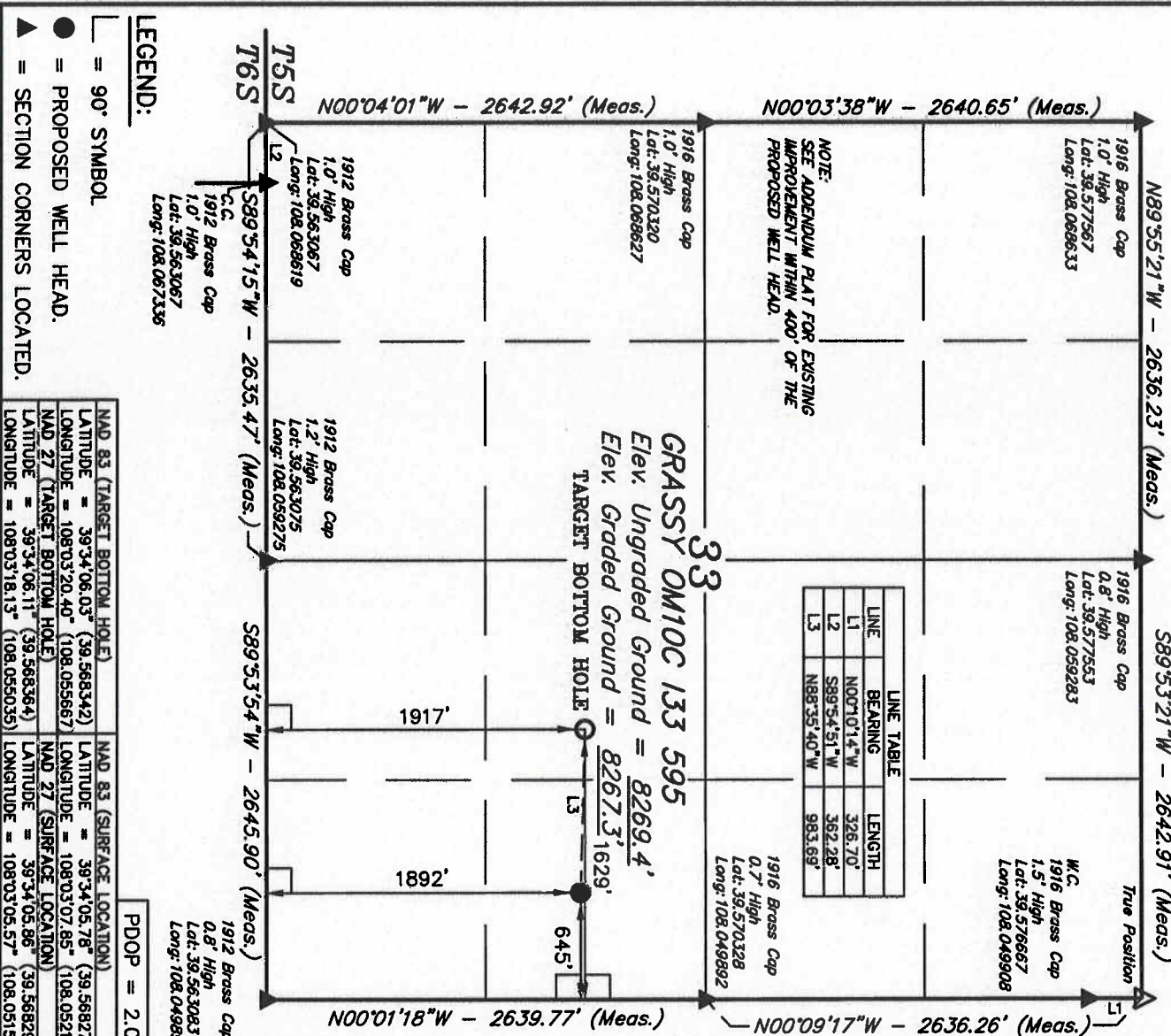
BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 30, T5S, R95W, 6th P.M. TAKEN FROM THE FORKED GULCH 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 5966 FEET.

BASIS OF BEARINGS

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

Sheet 1k of 12



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. 17462
STATE OF COLORADO

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

SCALE 1" = 1000'
DATE SURVEYED: 05-12-09
DATE DRAWN: 06-26-09

PARTY B.H. B.B. D.R.B.
WEATHER WARM
FILE BERRY PETROLEUM COMPANY

T55, R95W, 6th P.M.

BERRY PETROLEUM COMPANY

Well location, GRASSY 0M10B 133 595, located as shown in the NE 1/4 SE 1/4 of Section 33, T55, R95W, 6th P.M., Garfield County, Colorado.

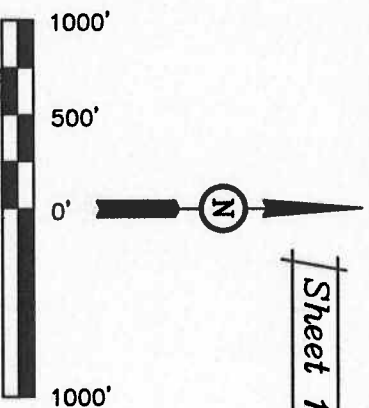
BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 30, T55, R95W, 6th P.M. TAKEN FROM THE FORKED GULCH 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 5966 FEET.

BASIS OF BEARINGS

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

Sheet 1j of 12



SCALE

CERTIFICATE

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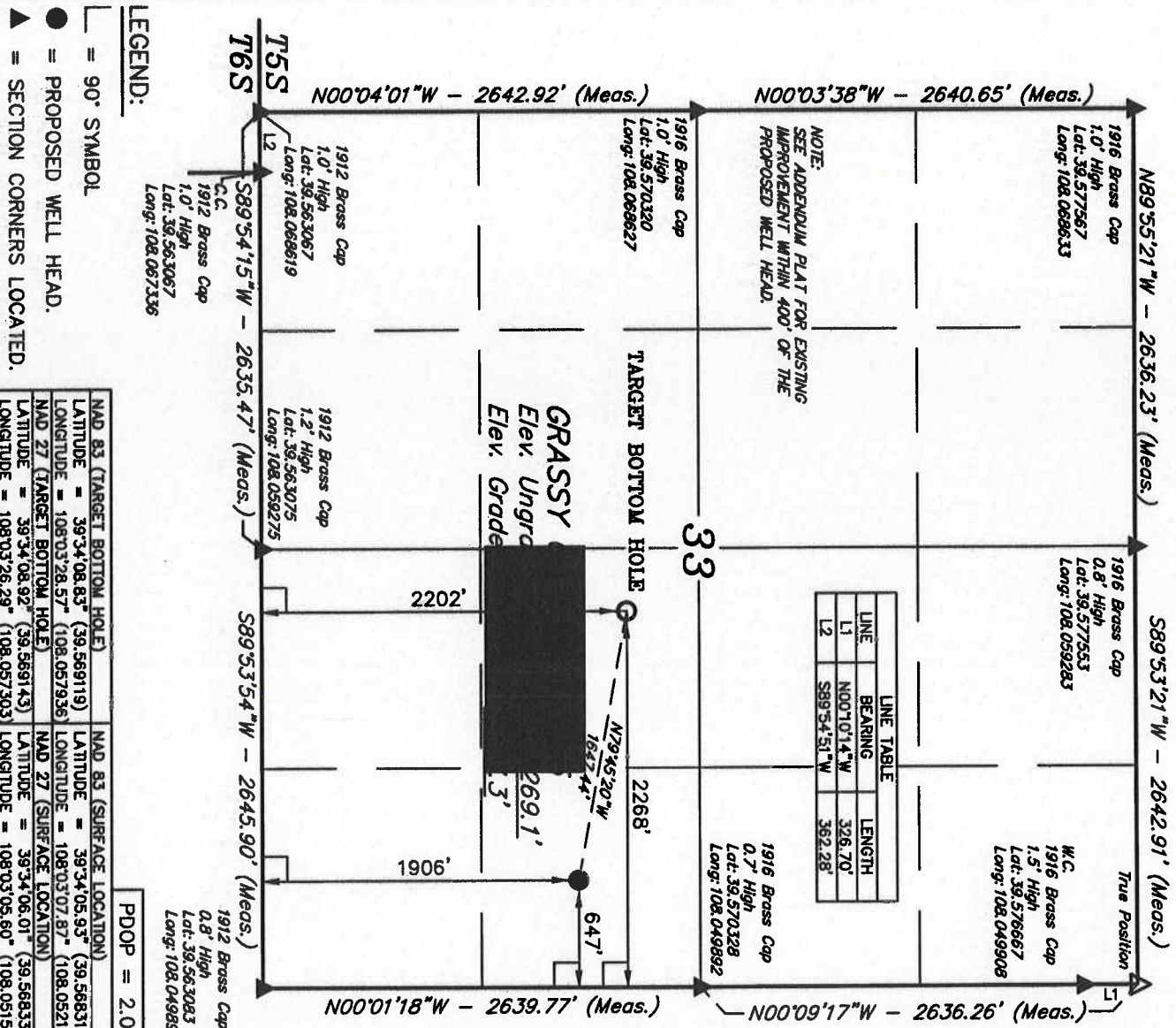
REGISTERED LAND SURVEYOR
REGISTRATION NO. 17402
STATE OF COLORADO

UTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE 1" = 1000' DATE SURVEYED: 05-12-09 DATE DRAWN: 06-26-09

PARTY B.H. B.B. D.R.B. REFERENCES G.L.O. PLAT FILE BERRY PETROLEUM COMPANY



T5S, R95W, 6th P.M.

BERRY PETROLEUM COMPANY

Well location, GRASSY OM10A 133 595, located as shown in the NE 1/4 SE 1/4 of Section 33, T5S, R95W, 6th P.M., Garfield County, Colorado.

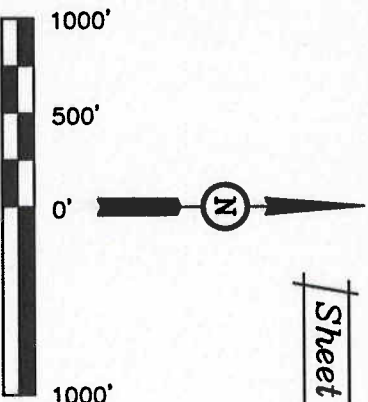
BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 30, T5S, R95W, 6th P.M. TAKEN FROM THE FORKED GULCH 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 5966 FEET.

BASIS OF BEARINGS

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

Sheet 1i of 12



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. 17482
STATE OF COLORADO

UNIFAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE 1" = 1000' DATE SURVEYED: 05-12-09 DATE DRAWN: 06-26-09

PARTY B.H. B.B. D.R.B. REFERENCES G.L.O. PLAT

WEATHER WARM FILE BERRY PETROLEUM COMPANY

LEGEND:

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

NAD 83 (TARGET BOTTOM HOLE)		NAD 83 (SURFACE LOCATION)	
LATITUDE = 39°34'11.56" (39.569878)	LATITUDE = 39°34'06.08" (39.568356)	LATITUDE = 39°34'06.08" (39.568356)	LATITUDE = 39°34'06.08" (39.568356)
LONGITUDE = 108°03'19.40" (108.055389)	LONGITUDE = 108°03'07.90" (108.052194)	LONGITUDE = 108°03'07.90" (108.052194)	LONGITUDE = 108°03'07.90" (108.052194)
NAD 27 (TARGET BOTTOM HOLE)		NAD 27 (SURFACE LOCATION)	
LATITUDE = 39°34'11.64" (39.569901)	LATITUDE = 39°34'06.16" (39.568378)	LATITUDE = 39°34'06.16" (39.568378)	LATITUDE = 39°34'06.16" (39.568378)
LONGITUDE = 108°03'17.13" (108.054759)	LONGITUDE = 108°03'05.62" (108.051561)	LONGITUDE = 108°03'05.62" (108.051561)	LONGITUDE = 108°03'05.62" (108.051561)

PDOP = 2.0

1912 Brass Cap
0.8' High
Lat: 39.563083
Long: 108.049894

1912 Brass Cap
1.0' High
Lat: 39.563067
Long: 108.067336

T5S
1912 Brass Cap
1.0' High
Lat: 39.563067
Long: 108.068619

T6S
1912 Brass Cap
1.2' High
Lat: 39.563075
Long: 108.058275

N00°04'01"W - 2642.92' (Meas.)

N00°03'38"W - 2640.65' (Meas.)

N89°55'21"W - 2636.23' (Meas.)

S89°53'21"W - 2642.91' (Meas.)

True Position

1916 Brass Cap
1.0' High
Lat: 39.577567
Long: 108.068633

1916 Brass Cap
0.8' High
Lat: 39.577553
Long: 108.059283

W.C.
1916 Brass Cap
1.5' High
Lat: 39.576667
Long: 108.049908

1916 Brass Cap
0.7' High
Lat: 39.570328
Long: 108.049892

LINE TABLE	
LINE	BEARING
L1	N00°01'18"W
L2	S89°54'51"W
	362.28'

NOTE:
SEE ADDENDUM PLAT FOR EXISTING IMPROVEMENT WITHIN 400' OF THE PROPOSED WELL HEAD.

GRASSY OM10A 133 595
Elev. Ungraded Ground = 8268.8'
Elev. Graded Ground = 8267.3'

TARGET BOTTOM HOLE

33

2477'

1921'

649'

N00°01'18"W - 2639.77' (Meas.)

N00°09'17"W - 2636.26' (Meas.)