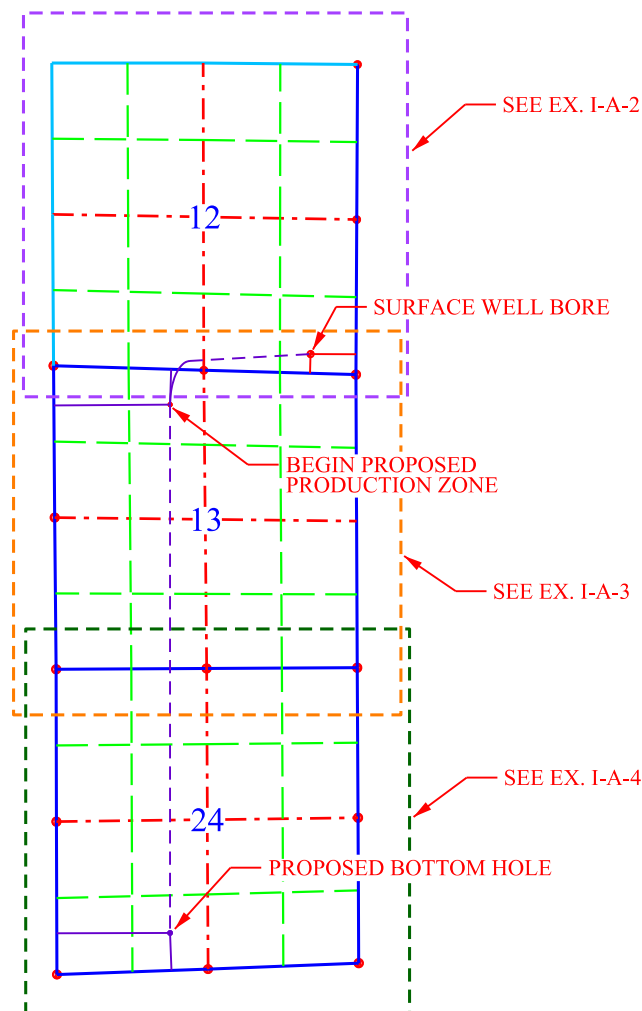


EXHIBIT I-A-1: WELL LOCATION PLAT (1 of 4)

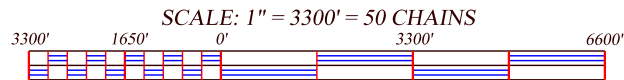
T. 9 S., R. 98 W., 6TH P.M.



LEGEND:

- ⊕ WELL LOCATION AS STAKED
- () RECORD DIMENSIONS PER OFFICIAL GOV'T SURVEY
- M MEASURED THIS SURVEY
- FOUND MONUMENT AS NOTED
- SURVEYED OR PROTRACTED POINT, NOTHING SET

NOTE: WELL BORE PATH DETERMINED FROM COMPUTATIONS
PUBLISHED BY NOVA DIRECTIONAL INC. ON JULY 7, 2015.



CERTIFICATE OF SURVEYOR:

THIS IS TO CERTIFY THAT THIS SURVEY PLAT WAS MADE FROM NOTES
TAKEN DURING A FIELD SURVEY MADE BY ME OR UNDER MY DIRECTION
AND THAT IT CORRECTLY SHOWS THE LOCATION OF THE DRILLING SITE
AS STAKED ON THE GROUND.



WELL NAME: WHITTAKER FLATS UNIT 12-16AH
UNGRADED GROUND ELEVATION: 5081.9 FEET

ELEVATION DATUM:

BM: NGS STATIONS "MC01", "MC07" & "MC08"
NAVD88 - GEOID 09
NAD83 (CORS96) (EPOCH: 2002.0)

SURFACE LOCATION: MEASURED AT 90° TO THE SECTION LINES
331 FEET, N 1°37'24" E OF THE SOUTH LINE
782 FEET, N 89°44'28" W OF THE EAST LINE

GENERAL LOCATION: SE¼ SECTION 12
T. 9 S., R. 98 W., 6TH P.M.
MESA COUNTY, COLORADO

SURFACE WELL LOCATION: NAD 83 (CORS96) (EPOCH: 2002.0000)
LATITUDE: 39.28115° N (39°16'52.14" N)
LONGITUDE: 108.27311° W (108°16'23.21" W)
PDOP = 1.4

PRODUCTION ZONE LOCATION: NAD 83 (CORS96) (EPOCH: 2002.0000)
LATITUDE: 39.27876° N (39°16'43.53" N)
LONGITUDE: 108.28164° W (108°16'53.91" W)

BOTTOM HOLE LOCATION: NAD 83 (CORS96) (EPOCH: 2002.0000)
LATITUDE: 39.25384° N (39°15'13.81" N)
LONGITUDE: 108.28164° W (108°16'53.90" W)

BASIS OF BEARINGS: PLANE PROJECTION

DATUM: NAD83 (CORS 96) (EPOCH 2002.0) @
NGS STATIONS "MC01", "MC07", & "MC08"
ORIGIN at SE CORNER, SECTION 13, T. 9 S., R. 98 W.
39°15'58.85253" N SF = 1.0000
108°16'13.00704" W
HEIGHT = 5175' ELEV = 5229'

NOTES:

1. THERE ARE VISIBLE IMPROVEMENTS SUCH AS TRAILS OR NATURAL CHANNELS WITHIN 500' OF THE STAKED WELL LOCATION. SEE EX. I-B.
2. SURFACE USE IS NATIVE WOODS, NON CROP AND RANGE LAND.

EXHIBIT I-A-1: WELL LOCATION PLAT (1 of 4)
WHITTAKER FLATS UNIT 12-16AH

LOCATED IN
SE¼ SE¼ OF SECTION 12
T. 9 S., R. 98 W., 6TH P.M.
MESA COUNTY, COLORADO

OWNER:

**BLACK HILLS PLATEAU
PRODUCTION COMPANY, LLC
DENVER, COLORADO**

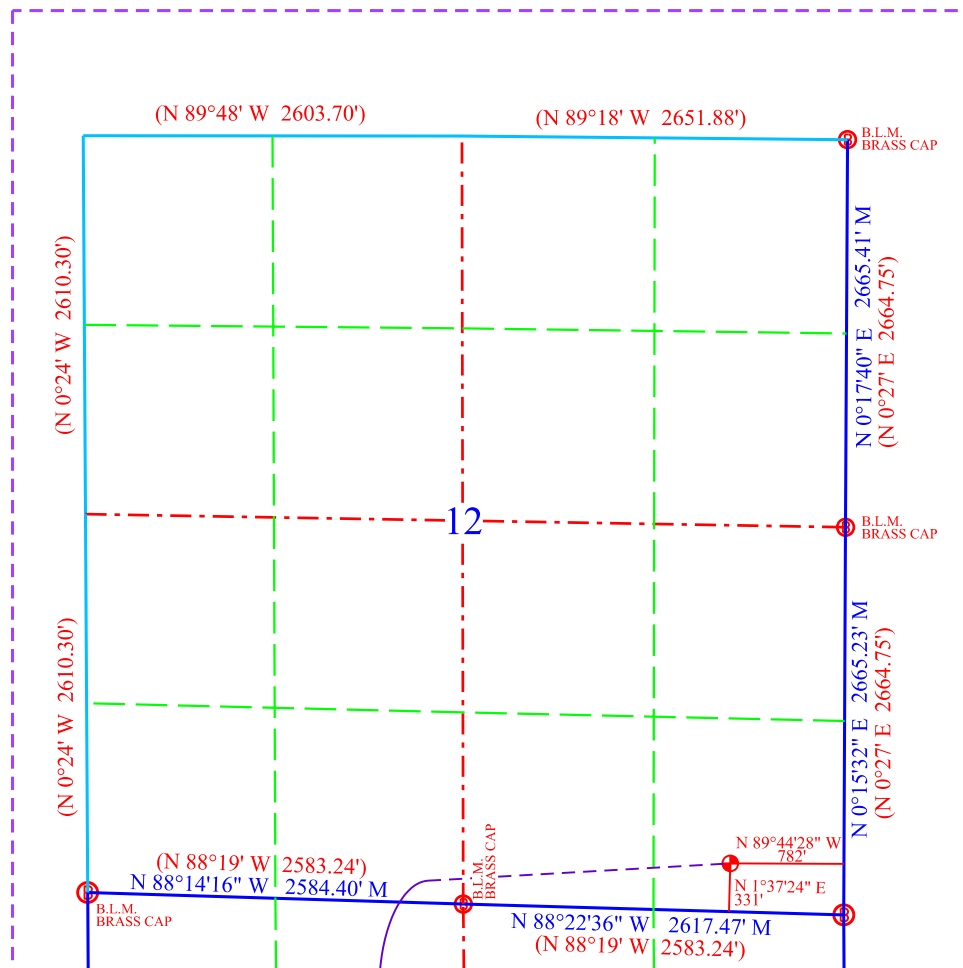
FIELD SURVEY DATE
FEBRUARY 14, 2015
DRAWING DATE
JULY 8, 2015

SURVEYOR
COTTON D. JONES, PLS
PROJECT NO.
30A12



EXHIBIT I-A-2: WELL LOCATION PLAT (2 of 4)

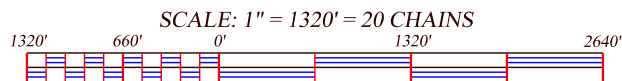
T. 9 S., R. 98 W., 6TH P.M.



LEGEND:

- ⊕ WELL LOCATION AS STAKED
- () RECORD DIMENSIONS PER OFFICIAL GOV'T SURVEY
- M MEASURED THIS SURVEY
- FOUND MONUMENT AS NOTED
- SURVEYED OR PROTRACTED POINT, NOTHING SET

NOTE: WELL BORE PATH DETERMINED FROM COMPUTATIONS
PUBLISHED BY NOVA DIRECTIONAL INC. ON JULY 7, 2015.



CERTIFICATE OF SURVEYOR:

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AND THAT IT CORRECTLY SHOWS THE LOCATION OF THE DRILLING SITE
AS STAKED ON THE GROUND.



WELL NAME: WHITTAKER FLATS UNIT 12-16AH
UNGRADED GROUND ELEVATION: 5081.9 FEET

ELEVATION DATUM:

BM: NGS STATIONS "MC01", "MC07" & "MC08"
NAVD88 - GEOID 09
NAD83 (CORS96) (EPOCH: 2002.0)

SURFACE LOCATION: MEASURED AT 90° TO THE SECTION LINES
331 FEET, N 1°37'24" E OF THE SOUTH LINE
782 FEET, N 89°44'28" W OF THE EAST LINE

GENERAL LOCATION: SE¼ SE¼, SECTION 12
T. 9 S., R. 98 W., 6TH P.M.
MESA COUNTY, COLORADO

SURFACE WELL LOCATION: NAD 83 (CORS96) (EPOCH: 2002.0000)
LATITUDE: 39.28115° N (39°16'52.14" N)
LONGITUDE: 108.27311° W (108°16'23.21" W)
PDOP = 1.4

PRODUCTION ZONE LOCATION: NAD 83 (CORS96) (EPOCH: 2002.0000)
LATITUDE: 39.27876° N (39°16'43.53" N)
LONGITUDE: 108.28164° W (108°16'53.91" W)

BOTTOM HOLE LOCATION: NAD 83 (CORS96) (EPOCH: 2002.0000)
LATITUDE: 39.25384° N (39°15'13.81" N)
LONGITUDE: 108.28164° W (108°16'53.90" W)

BASIS OF BEARINGS: PLANE PROJECTION

DATUM: NAD83 (CORS 96) (EPOCH 2002.0) @
NGS STATIONS "MC01", "MC07", & "MC08"
ORIGIN at SE CORNER, SECTION 13, T. 9 S., R. 98 W.
39°15'58.85253" N SF = 1.0000
108°16'13.00704" W
HEIGHT = 5175' ELEV = 5229'

NOTES:

1. THERE ARE VISIBLE IMPROVEMENTS SUCH AS TRAILS OR NATURAL CHANNELS WITHIN 500' OF THE STAKED WELL LOCATION. SEE EX. I-B.
2. SURFACE USE IS NATIVE WOODS, NON CROP AND RANGE LAND.

EXHIBIT I-A-2: WELL LOCATION PLAT (2 of 4)
WHITTAKER FLATS UNIT 12-16AH

LOCATED IN
SE¼ SE¼ OF SECTION 12
T. 9 S., R. 98 W., 6TH P.M.
MESA COUNTY, COLORADO

OWNER:

**BLACK HILLS PLATEAU
PRODUCTION COMPANY, LLC
DENVER, COLORADO**

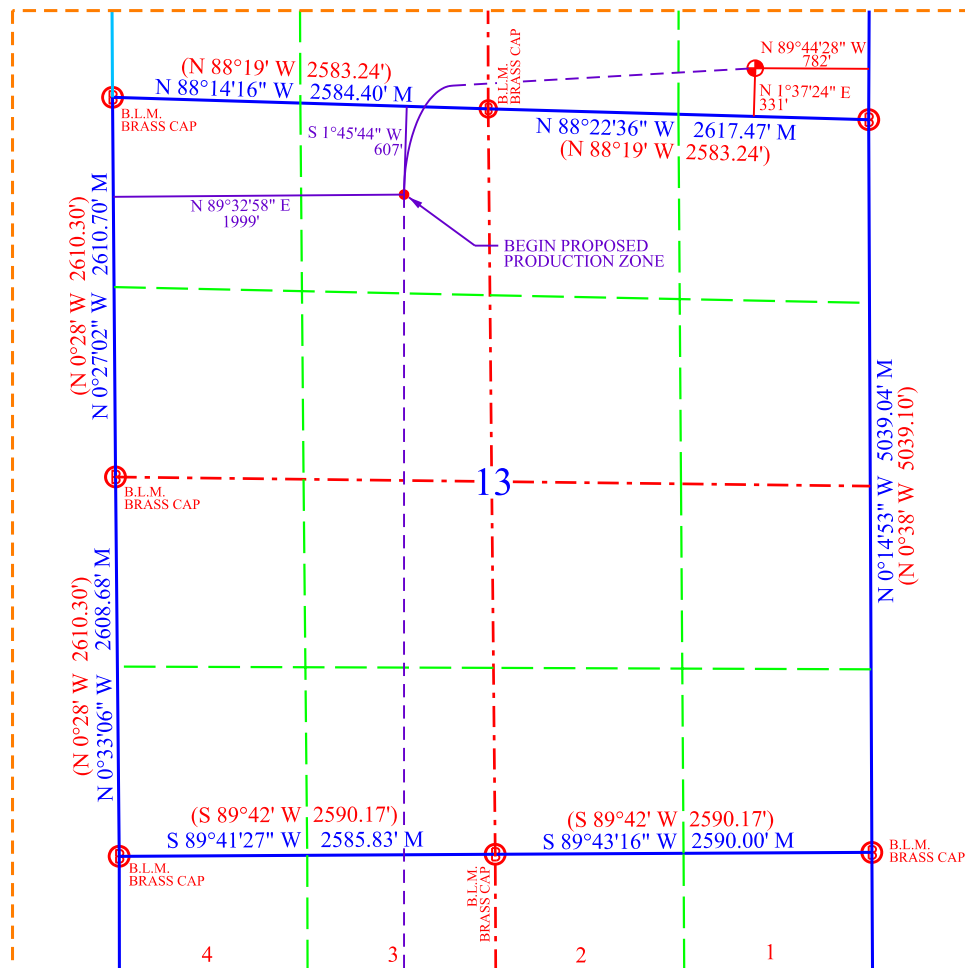
FIELD SURVEY DATE
FEBRUARY 14, 2015
DRAWING DATE
JULY 8, 2015

SURVEYOR
COTTON D. JONES, PLS
PROJECT NO.
30A12



EXHIBIT I-A-3: WELL LOCATION PLAT (3 of 4)

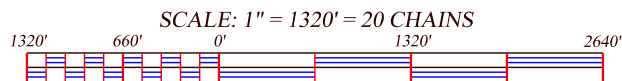
T. 9 S., R. 98 W., 6TH P.M.



LEGEND:

- ⊕ WELL LOCATION AS STAKED
- () RECORD DIMENSIONS PER OFFICIAL GOV'T SURVEY
- M MEASURED THIS SURVEY
- FOUND MONUMENT AS NOTED
- SURVEYED OR PROTRACTED POINT, NOTHING SET

NOTE: WELL BORE PATH DETERMINED FROM COMPUTATIONS
PUBLISHED BY NOVA DIRECTIONAL INC. ON JULY 7, 2015.



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AS STAKED ON THE GROUND.



WELL NAME: WHITTAKER FLATS UNIT 12-16AH
UNGRADED GROUND ELEVATION: 5081.9 FEET

ELEVATION DATUM:

BM: NGS STATIONS "MC01", "MC07" & "MC08"
NAVD88 - GEOID 09
NAD83 (CORS96) (EPOCH: 2002.0)

SURFACE LOCATION: MEASURED AT 90° TO THE SECTION LINES
331 FEET, N 1°37'24" E OF THE SOUTH LINE
782 FEET, N 89°44'28" W OF THE EAST LINE

GENERAL LOCATION: SE¼ SE¼, SECTION 12
T. 9 S., R. 98 W., 6TH P.M.
MESA COUNTY, COLORADO

SURFACE WELL LOCATION: NAD 83 (CORS96) (EPOCH: 2002.0000)
LATITUDE: 39.28115° N (39°16'52.14" N)
LONGITUDE: 108.27311° W (108°16'23.21" W)
PDOP = 1.4

PRODUCTION ZONE LOCATION: NAD 83 (CORS96) (EPOCH: 2002.0000)
LATITUDE: 39.27876° N (39°16'43.53" N)
LONGITUDE: 108.28164° W (108°16'53.91" W)

BOTTOM HOLE LOCATION: NAD 83 (CORS96) (EPOCH: 2002.0000)
LATITUDE: 39.25384° N (39°15'13.81" N)
LONGITUDE: 108.28164° W (108°16'53.90" W)

BASIS OF BEARINGS: PLANE PROJECTION

DATUM: NAD83 (CORS 96) (EPOCH 2002.0) @
NGS STATIONS "MC01", "MC07", & "MC08"
ORIGIN at SE CORNER, SECTION 13, T. 9 S., R. 98 W.
39°15'58.85253" N SF = 1.0000
108°16'13.00704" W
HEIGHT = 5175' ELEV = 5229'

NOTES:

1. THERE ARE VISIBLE IMPROVEMENTS SUCH AS TRAILS OR NATURAL CHANNELS WITHIN 500' OF THE STAKED WELL LOCATION. SEE EX. I-B.
2. SURFACE USE IS NATIVE WOODS, NON CROP AND RANGE LAND.

EXHIBIT I-A-3: WELL LOCATION PLAT (3 of 4)
WHITTAKER FLATS UNIT 12-16AH

LOCATED IN
SE¼ SE¼ OF SECTION 12
T. 9 S., R. 98 W., 6TH P.M.
MESA COUNTY, COLORADO

OWNER:

BLACK HILLS PLATEAU
PRODUCTION COMPANY, LLC
DENVER, COLORADO

FIELD SURVEY DATE
FEBRUARY 14, 2015
DRAWING DATE
JULY 8, 2015

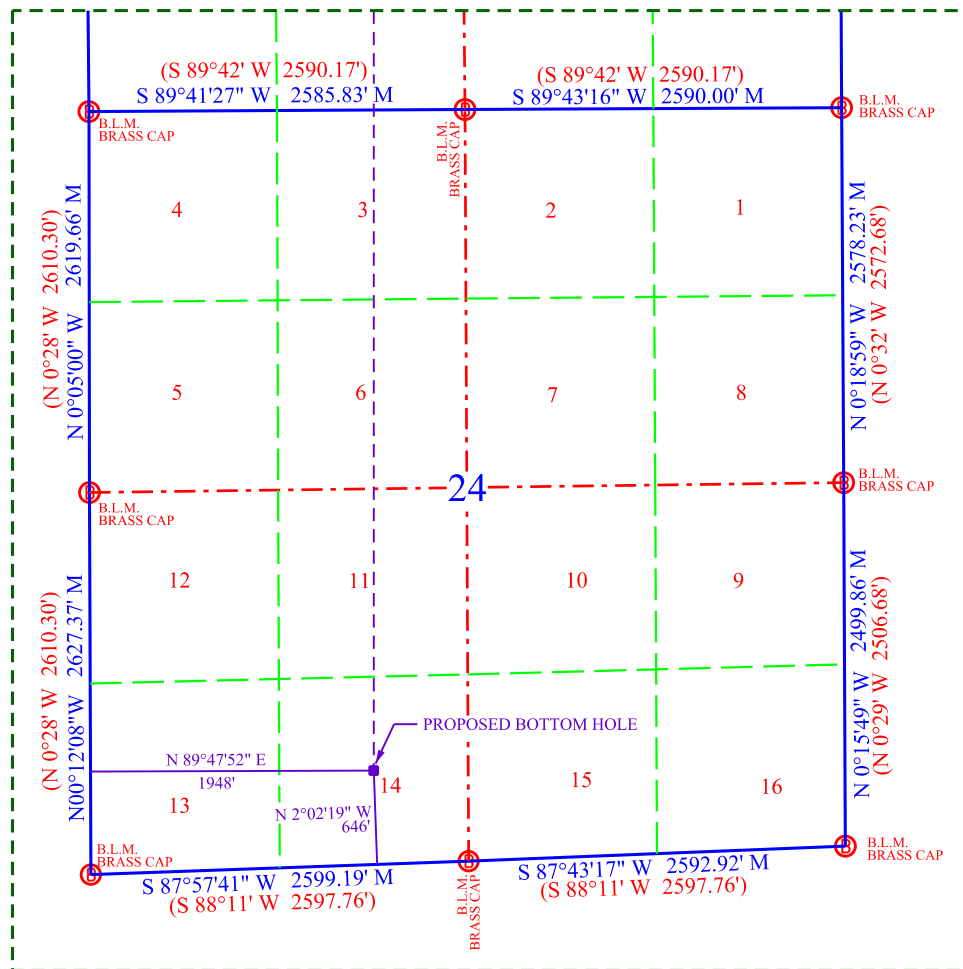
SURVEYOR
COTTON D. JONES, PLS

PROJECT NO.
30A12



EXHIBIT I-A-4: WELL LOCATION PLAT (4 of 4)

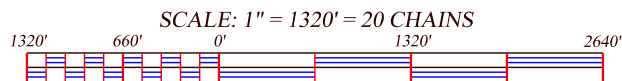
T. 9 S., R. 98 W., 6TH P.M.



LEGEND:

- ⊕ WELL LOCATION AS STAKED
- () RECORD DIMENSIONS PER OFFICIAL GOV'T SURVEY
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NOTE: WELL BORE PATH DETERMINED FROM COMPUTATIONS
PUBLISHED BY NOVA DIRECTIONAL INC. ON JULY 7, 2015.



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AND THAT IT CORRECTLY SHOWS THE LOCATION OF THE DRILLING SITE
AS STAKED ON THE GROUND.



WELL NAME: WHITTAKER FLATS UNIT 12-16AH
UNGRADED GROUND ELEVATION: 5081.9 FEET

ELEVATION DATUM:

BM: NGS STATIONS "MC01", "MC07" & "MC08"
NAVD88 - GEOID 09
NAD83 (CORS96) (EPOCH: 2002.0)

SURFACE LOCATION: MEASURED AT 90° TO THE SECTION LINES
331 FEET, N 1°37'24" E OF THE SOUTH LINE
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GENERAL LOCATION: SE¼ SE¼, SECTION 12
T. 9 S., R. 98 W., 6TH P.M.
MESA COUNTY, COLORADO

SURFACE WELL LOCATION: NAD 83 (CORS96) (EPOCH: 2002.0000)
LATITUDE: 39.28115° N (39°16'52.14" N)
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LATITUDE: 39.27876° N (39°16'43.53" N)
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LATITUDE: 39.25384° N (39°15'13.81" N)
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BASIS OF BEARINGS: PLANE PROJECTION

DATUM: NAD83 (CORS 96) (EPOCH 2002.0) @
NGS STATIONS "MC01", "MC07", & "MC08"
ORIGIN at SE CORNER, SECTION 13, T. 9 S., R. 98 W.
39°15'58.85253" N SF = 1.0000
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HEIGHT = 5175' ELEV = 5229'

NOTES:

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- SURFACE USE IS NATIVE WOODS, NON CROP AND RANGE LAND.

EXHIBIT I-A-4: WELL LOCATION PLAT (4 of 4)
WHITTAKER FLATS UNIT 12-16AH

LOCATED IN
SE¼ SE¼ OF SECTION 12
T. 9 S., R. 98 W., 6TH P.M.
MESA COUNTY, COLORADO

OWNER:

BLACK HILLS PLATEAU
PRODUCTION COMPANY, LLC
DENVER, COLORADO

FIELD SURVEY DATE
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