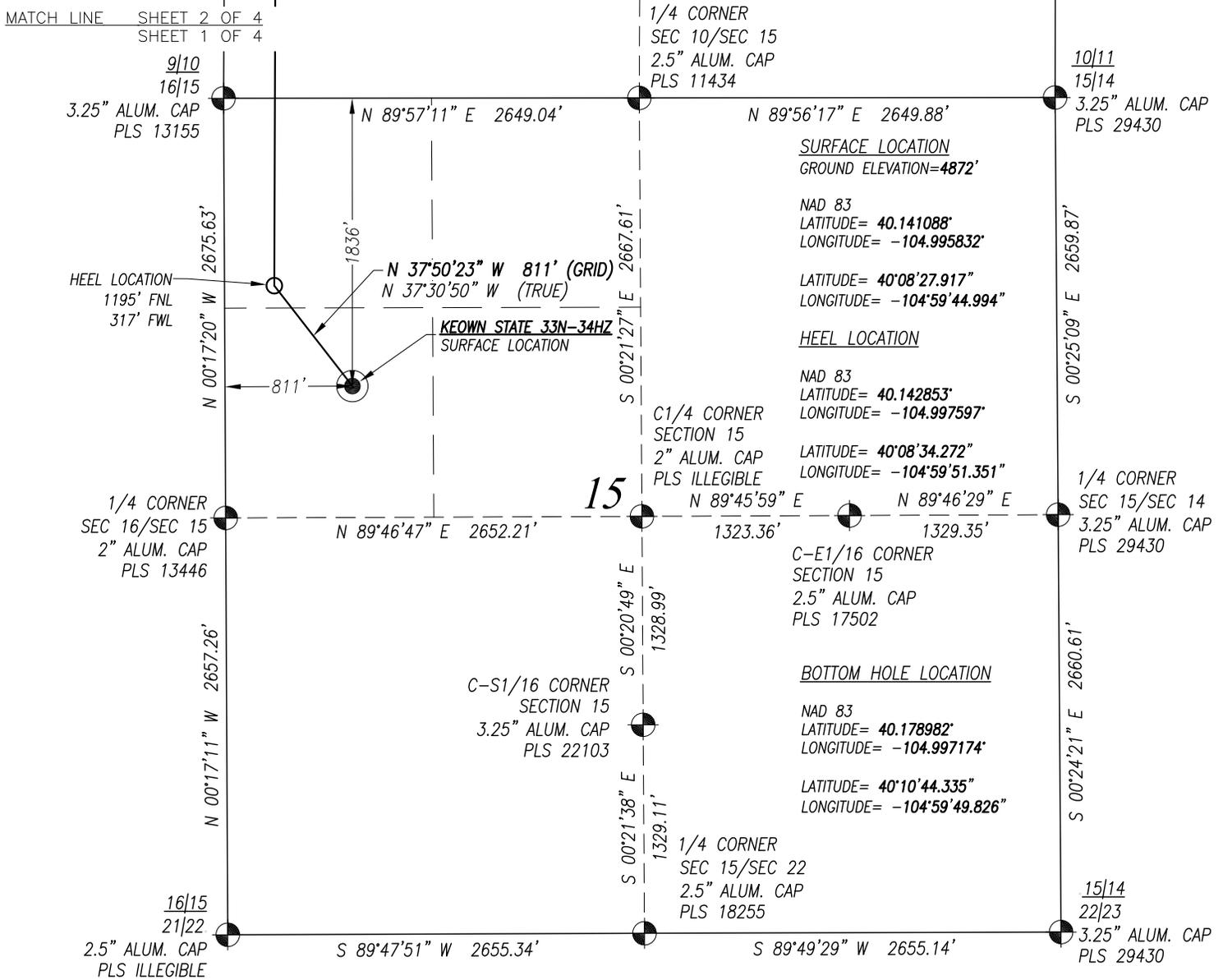


WELL LOCATION CERTIFICATE: KEOWN STATE 33N-34HZ

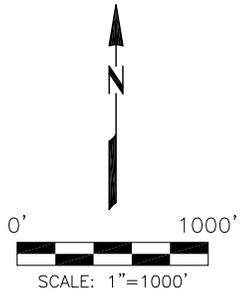
SECTION 15, TOWNSHIP 2 NORTH, RANGE 68 WEST, 6TH P.M.



SURVEYOR'S CERTIFICATION:

I, hereby certify to KERR-McGEE OIL & GAS ONSHORE L.P., that this Well Location Certificate was prepared under my direct supervision and that the drawing accurately depicts the proposed location of the well.

Mark A. Hall, PLS #36073
 FOR AND ON BEHALF OF ACKLAM, INC.
 195 Telluride Street Suite 7
 Brighton CO 80601



NOTES:

1. Found Section Corner
2. Calculated Section Corner
3. Basis of Elevations: NAVD88 (GEOID12).
4. Basis of Bearings: Colorado coordinate system 1983 north zone ("GRID").
5. Basis of Distances: GRID; Combined Factor=0.999725831
6. GPS Operator: **Monty Wallace** PDOP **1.3**
7. See attachments for existing improvements within 500 feet of the well pad.
8. Well footages are measured at right angles to the section lines.
9. The Bottom Hole Location bears **N 01°52'56" W 13809'** from the Surface Location.

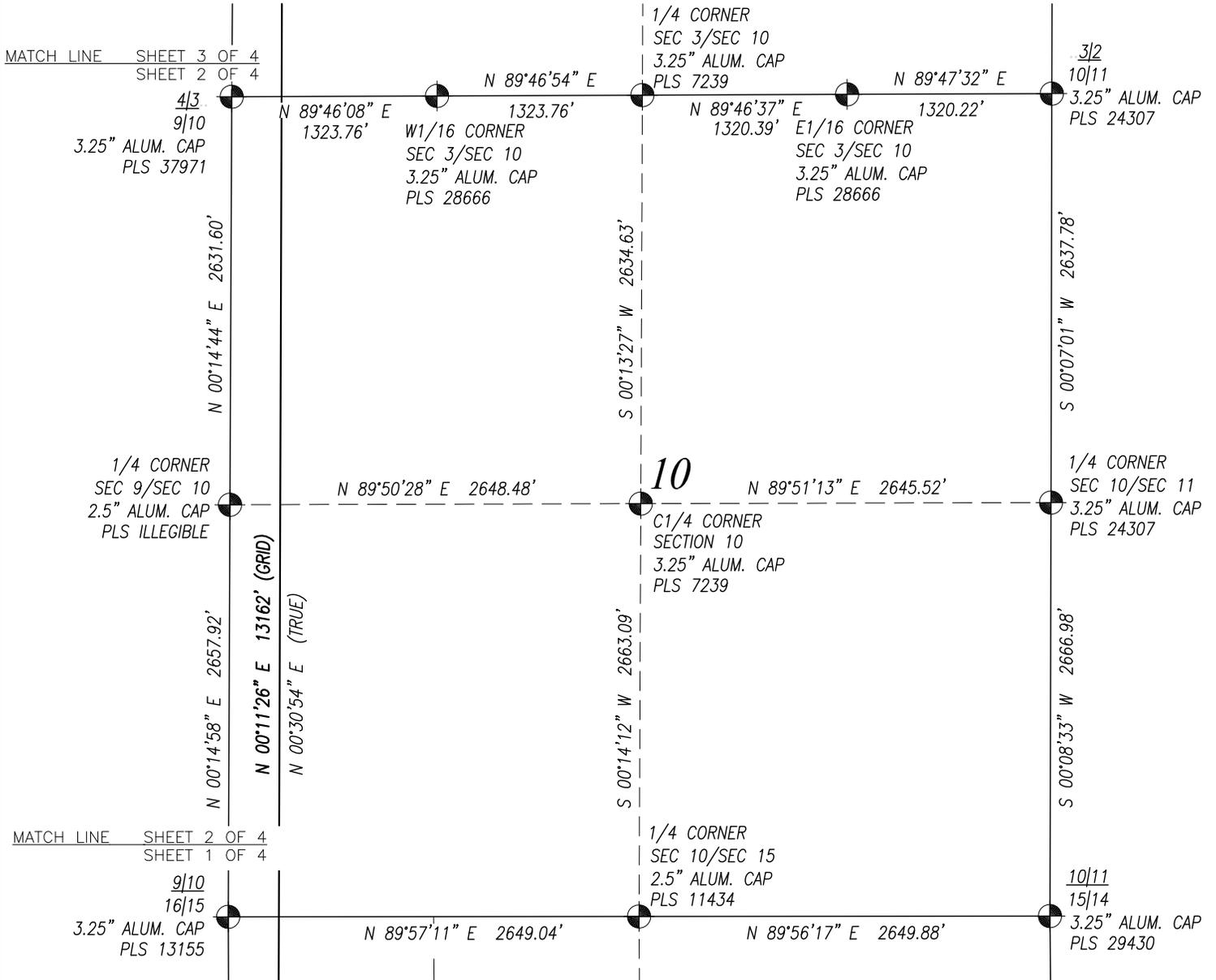
NOTICE: According to Colorado law you must commence any legal action based upon any defect in this survey within three years after you first discover such defect. In no event may any action based upon any defect in this survey be commenced more than ten years from the date of the certification shown hereon.

PREPARED FOR:	
 Kerr-McGee Oil & Gas Onshore L.P. 1099 18th Street Denver, Colorado 80202	
Acklam, Inc.	
DATE SURVEYED: 06/22/2015	
DATE DRAFTED: 08/18/2015	
DRAFTED BY: SMF	CHK BY: JMP
JOB No. 155000	REVISED: 10/17/2016

WELL LOCATION CERTIFICATE	
KEOWN STATE 33N-34HZ	
SURFACE	1836' FNL 811' FWL SEC. 15 GROUND ELEVATION=4872'
HEEL	1195' FNL 317' FWL SEC. 15
BOTTOM HOLE	1455' FSL 328' FWL SEC. 34
SW1/4 NW1/4	
SECTION 15, T2N, R68W, 6TH PM	
WELD COUNTY, COLORADO	

WELL LOCATION CERTIFICATE: KEOWN STATE 33N-34HZ

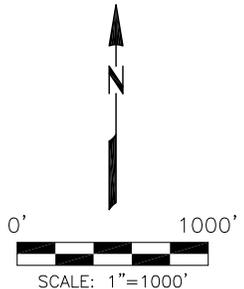
SECTION 10, TOWNSHIP 2 NORTH, RANGE 68 WEST, 6TH P.M.



SURVEYOR'S CERTIFICATION:

I, hereby certify to KERR-McGEE OIL & GAS ONSHORE L.P., that this Well Location Certificate was prepared under my direct supervision and that the drawing accurately depicts the proposed location of the well.

Mark A. Hall, PLS #36073
 FOR AND ON BEHALF OF ACKLAM, INC.
 195 Telluride Street Suite 7
 Brighton CO 80601



NOTES:

1. Found Section Corner
2. Calculated Section Corner
3. Basis of Elevations: NAVD88 (GEOID12).
4. Basis of Bearings: Colorado coordinate system 1983 north zone ("GRID").
5. Basis of Distances: GRID; Combined Factor=0.999725831
6. GPS Operator: **Monty Wallace** PDOP **1.3**
7. See attachments for existing improvements within 500 feet of the well pad.
8. Well footages are measured at right angles to the section lines.
9. The Bottom Hole Location bears **N 01°52'56" W 13809'** from the Surface Location.

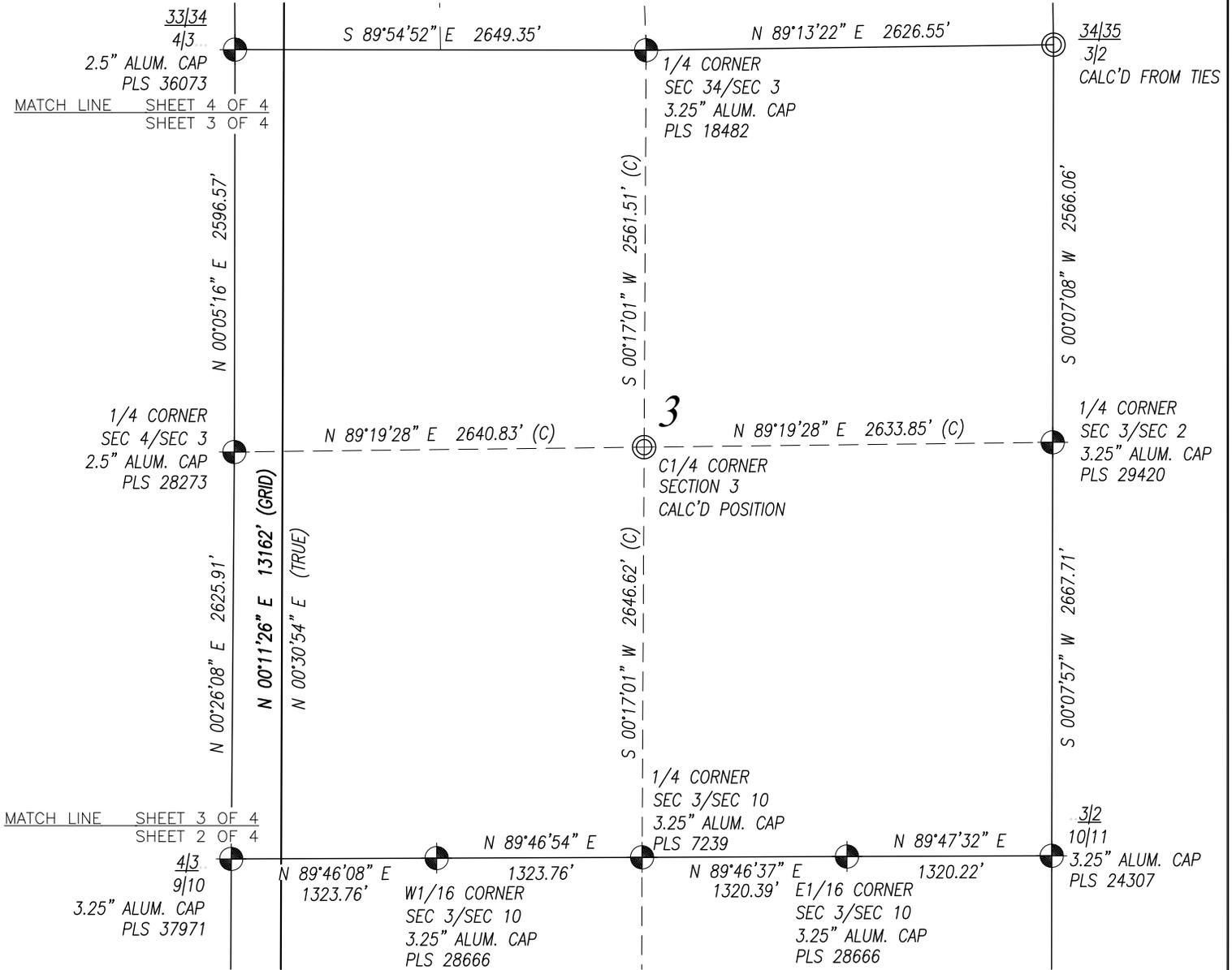
NOTICE: According to Colorado law you must commence any legal action based upon any defect in this survey within three years after you first discover such defect. In no event may any action based upon any defect in this survey be commenced more than ten years from the date of the certification shown hereon.

PREPARED FOR:	
 Kerr-McGee Oil & Gas Onshore L.P. 1099 18th Street Denver, Colorado 80202	
Acklam, Inc.	
DATE SURVEYED: 06/22/2015	
DATE DRAFTED: 08/18/2015	
DRAFTED BY: SMF	CHK BY: JMP
JOB No. 155000	REVISED: 10/17/2016

WELL LOCATION CERTIFICATE	
KEOWN STATE 33N-34HZ	
SURFACE	1836' FNL 811' FWL SEC. 15 GROUND ELEVATION=4872'
HEEL	1195' FNL 317' FWL SEC. 15
BOTTOM HOLE	1455' FSL 328' FWL SEC. 34
SW1/4 NW1/4	
SECTION 15, T2N, R68W, 6TH PM	
WELD COUNTY, COLORADO	

WELL LOCATION CERTIFICATE: KEOWN STATE 33N-34HZ

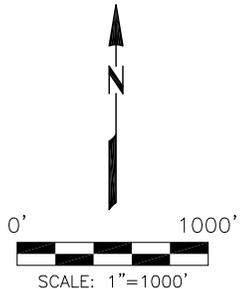
SECTION 3, TOWNSHIP 2 NORTH, RANGE 68 WEST, 6TH P.M.



SURVEYOR'S CERTIFICATION:

I, hereby certify to KERR-McGEE OIL & GAS ONSHORE L.P., that this Well Location Certificate was prepared under my direct supervision and that the drawing accurately depicts the proposed location of the well.

Mark A. Hall, PLS #36073
 FOR AND ON BEHALF OF ACKLAM, INC.
 195 Telluride Street Suite 7
 Brighton CO 80601



NOTES:

1. Found Section Corner
2. Calculated Section Corner
3. Basis of Elevations: NAVD88 (GEOD12).
4. Basis of Bearings: Colorado coordinate system 1983 north zone ("GRID").
5. Basis of Distances: GRID; Combined Factor=0.999725831
6. GPS Operator: **Monty Wallace** PDOP **1.3**
7. See attachments for existing improvements within 500 feet of the well pad.
8. Well footages are measured at right angles to the section lines.
9. The Bottom Hole Location bears **N 01°52'56" W 13809'** from the Surface Location.

NOTICE: According to Colorado law you must commence any legal action based upon any defect in this survey within three years after you first discover such defect. In no event may any action based upon any defect in this survey be commenced more than ten years from the date of the certification shown hereon.

PREPARED FOR:

Kerr-McGee Oil & Gas Onshore L.P.
 1099 18th Street
 Denver, Colorado 80202

Acklam, Inc.

DATE SURVEYED: 06/22/2015

DATE DRAFTED: 08/18/2015

DRAFTED BY: SMF CHK BY: JMP

JOB No. 155000 REVISED: 10/17/2016

WELL LOCATION CERTIFICATE

KEOWN STATE 33N-34HZ

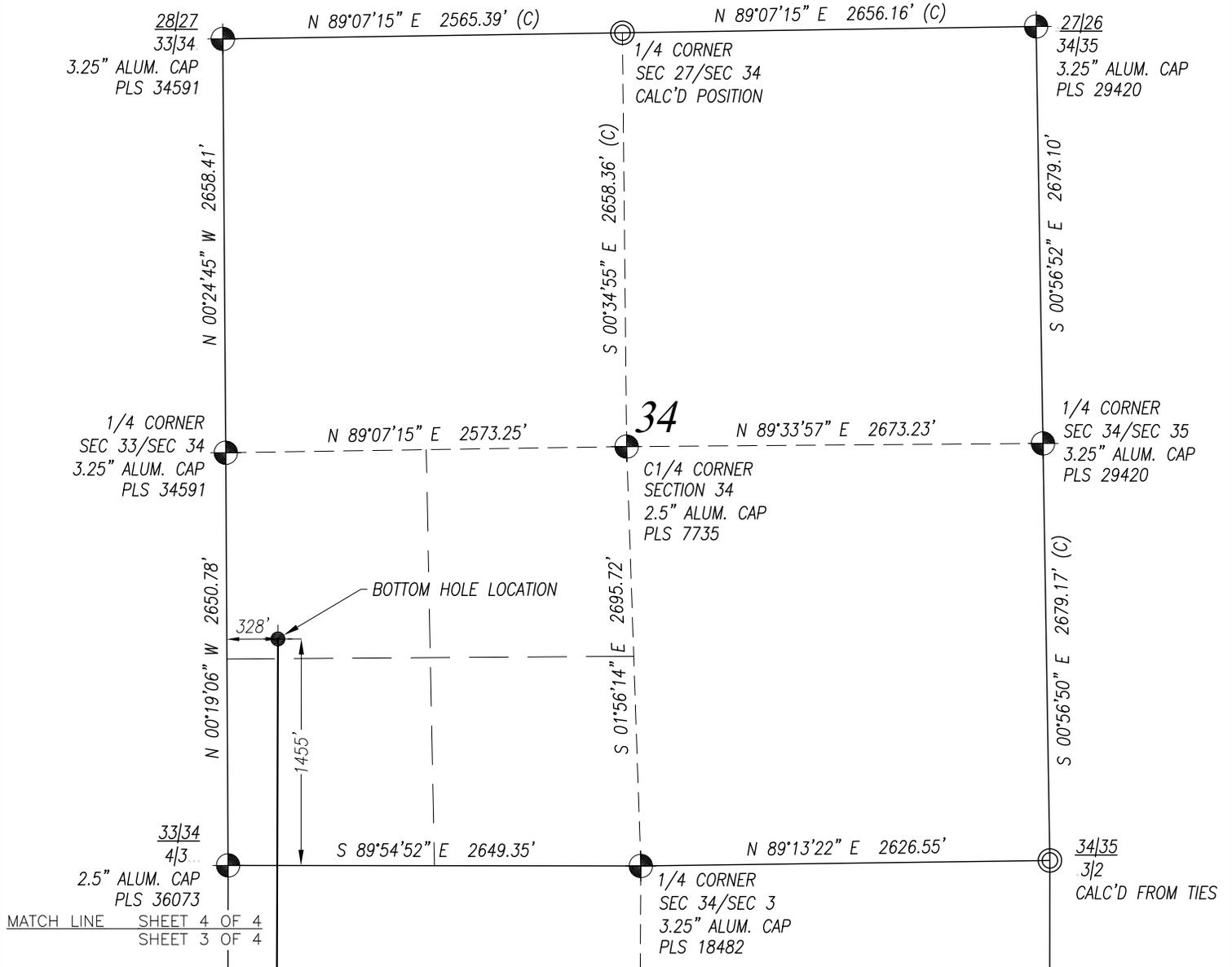
SURFACE 1836' FNL 811' FWL SEC. 15
 GROUND ELEVATION=4872'

HEEL 1195' FNL 317' FWL SEC. 15
BOTTOM HOLE 1455' FSL 328' FWL SEC. 34

SW1/4 NW1/4
SECTION 15, T2N, R68W, 6TH PM
WELD COUNTY, COLORADO

WELL LOCATION CERTIFICATE: KEOWN STATE 33N-34HZ

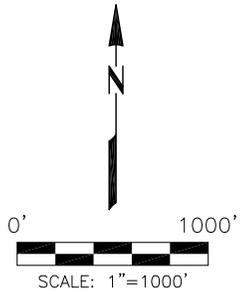
SECTION 34, TOWNSHIP 3 NORTH, RANGE 68 WEST, 6TH P.M.



SURVEYOR'S CERTIFICATION:
 I, hereby certify to KERR-McGEE OIL & GAS ONSHORE L.P., that this Well Location Certificate was prepared under my direct supervision and that the drawing accurately depicts the proposed location of the well.



Mark A. Hall, PLS #36073
 FOR AND ON BEHALF OF ACKLAM, INC.
 195 Telluride Street Suite 7
 Brighton CO 80601



- NOTES:**
- Found Section Corner
 - Calculated Section Corner
 - Basis of Elevations: NAVD88 (GEOD12).
 - Basis of Bearings: Colorado coordinate system 1983 north zone ("GRID").
 - Basis of Distances: GRID; Combined Factor=0.999725831
 - GPS Operator: **Monty Wallace** PDOP **1.3**
 - See attachments for existing improvements within 500 feet of the well pad.
 - Well footages are measured at right angles to the section lines.
 - The Bottom Hole Location bears **N 01°52'56" W 13809'** from the Surface Location.

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PREPARED FOR: Kerr-McGee Oil & Gas Onshore L.P. 1099 18th Street Denver, Colorado 80202	WELL LOCATION CERTIFICATE KEOWN STATE 33N-34HZ SURFACE 1836' FNL 811' FWL SEC. 15 GROUND ELEVATION=4872' HEEL 1195' FNL 317' FWL SEC. 15 BOTTOM HOLE 1455' FSL 328' FWL SEC. 34
DATE SURVEYED: 06/22/2015 DATE DRAFTED: 08/18/2015 DRAFTED BY: SMF CHK BY: JMP JOB No. 155000 REVISED: 10/17/2016	SW1/4 NW1/4 SECTION 15, T2N, R68W, 6TH PM WELD COUNTY, COLORADO