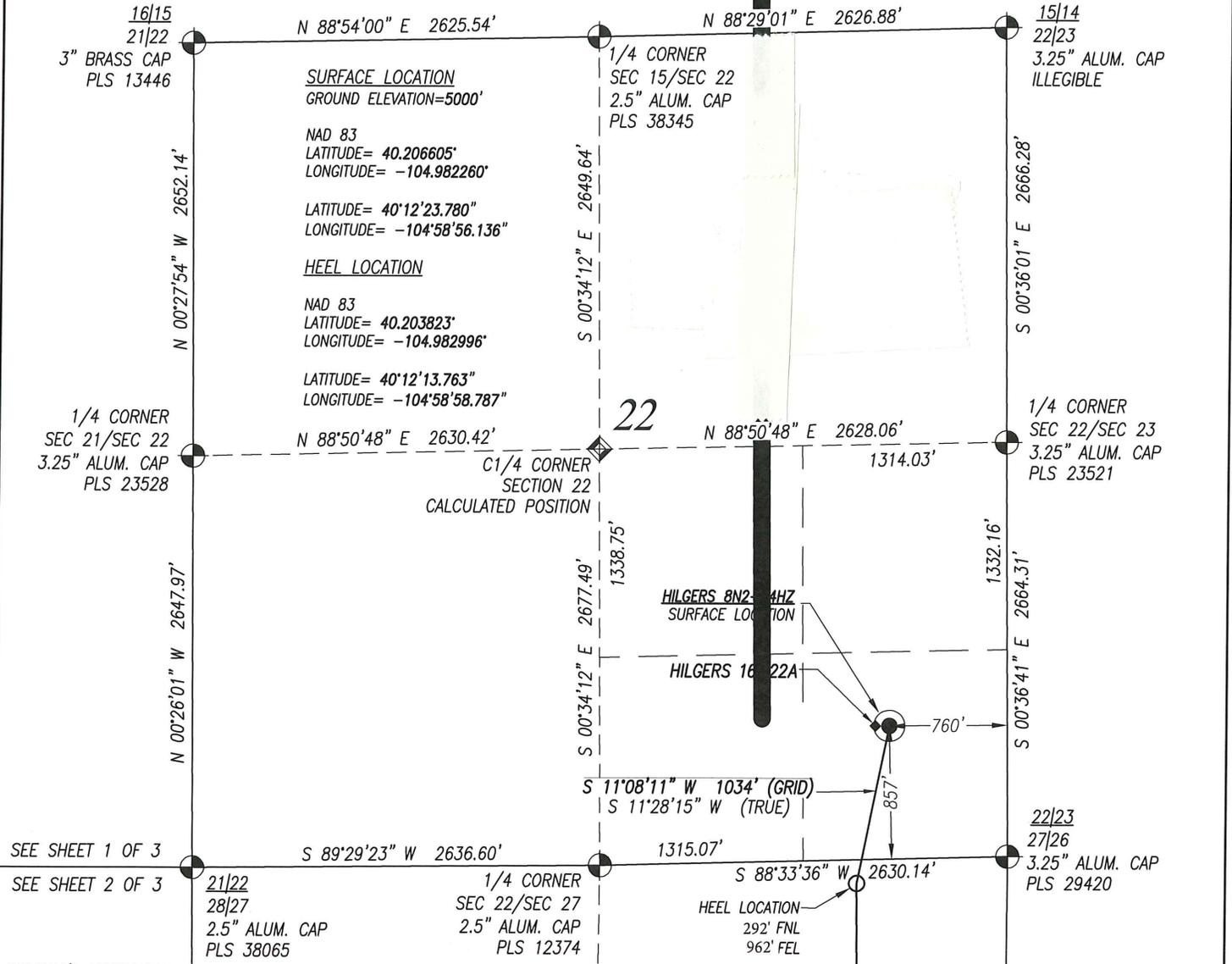


WELL LOCATION CERTIFICATE: HILGERS 8N2-34HZ

SECTION 22, TOWNSHIP 3 NORTH, RANGE 68 WEST, 6TH P.M.



SURVEYOR'S CERTIFICATION:
 I, Douglas W. Chinn, a licensed professional land surveyor in the state of Colorado do hereby certify to KERR-MCGEE OIL & GAS ONSHORE LP. that the survey and well location certificate shown hereon were done by me or under my direct supervision and that the drawing shown hereon accurately depicts the proposed location of the well. This certificate does not represent a land survey plat or improvement survey plat as defined by c.r.s. 38-51-102 and cannot be relied upon to determine ownership.



Douglas W. Chinn, PLS #37070
 FOR AND ON BEHALF OF ACKLAM, INC.
 195 Telluride Street Suite 7
 Brighton CO 80601

Heel & Bottom Hole Location
 changed by C Light 10/04/17

- NOTES:**
- Found Section Corner
 - Calculated Section Corner
 - Basis of Elevations: NAVD88 (GEOID12).
 - Basis of Bearings: Colorado coordinate system 1983 north zone ("GRID").
 - Basis of Distances: GRID; Combined Factor=0.999717864.
 - GPS Operator: **Jeff Hawkins** PDOP 2.1
 - 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 **S 01°02'46" W 7908'** from the Surface Location.
 - Existing well Hilgers 16-22A bears **S 89°59'23" W 90'** from the Surface Location.

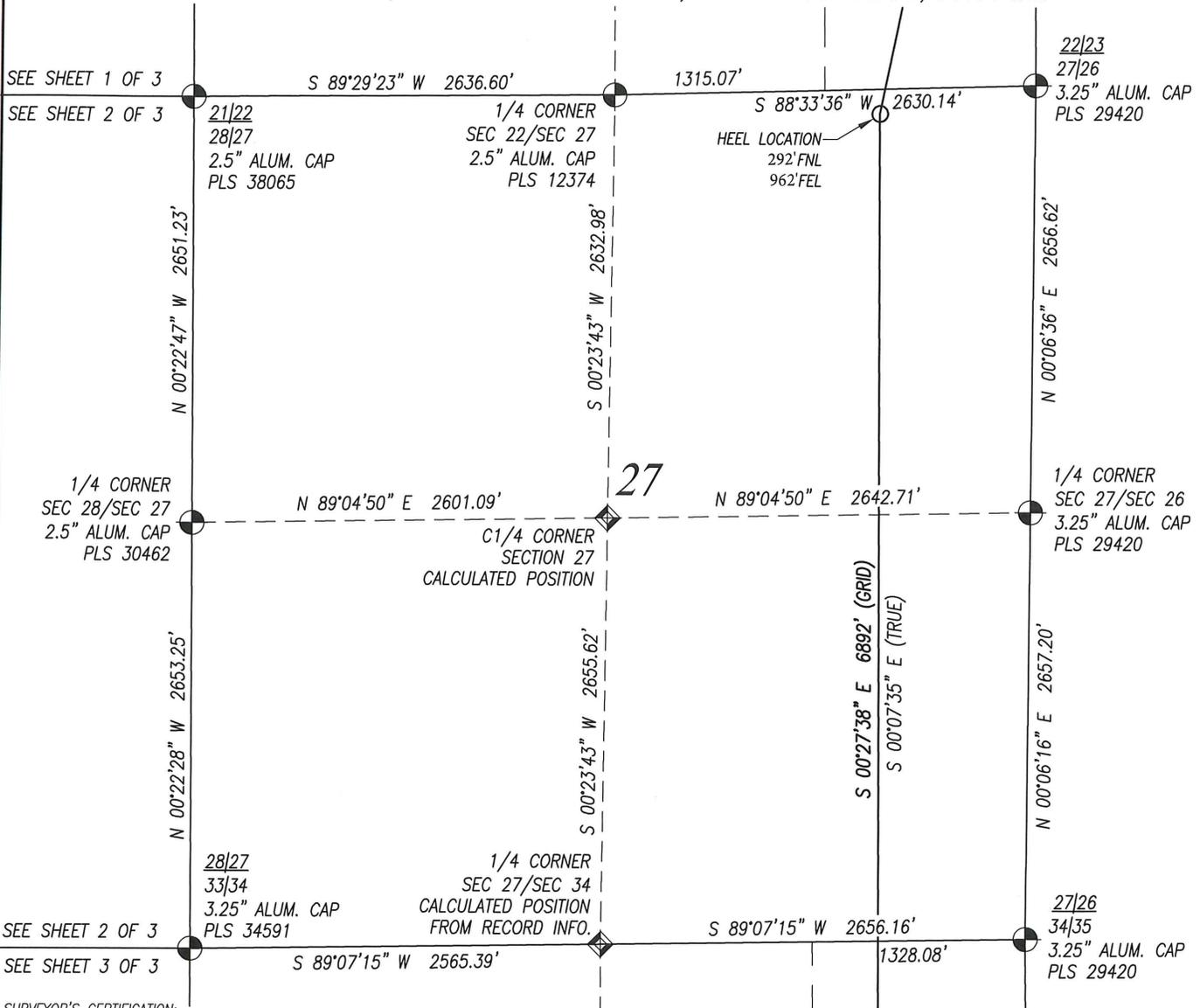
 Kerr-McGee Oil & Gas Onshore L.P. 1099 18th Street Denver, Colorado 80202	
Acklam, Inc.	
DATE SURVEYED: 06/25/2015	
DATE DRAFTED: 09/17/2015	
DRAFTED BY: SMF	CHK BY: JMP
JOB No. 155004	REVISED: 10/26/2016

WELL LOCATION CERTIFICATE	
HILGERS 8N2-34HZ	
SURFACE	857' FSL 760' FEL SEC. 22 GROUND ELEVATION=5000'
HEEL	292' FNL 962' FEL SEC. 27
BOTTOM HOLE	988' FNL 924' FEL SEC. 34
SE1/4 SE1/4	
SECTION 22, T3N, R68W, 6TH PM	
WELD COUNTY, COLORADO	

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.

WELL LOCATION CERTIFICATE: HILGERS 8N2-34HZ

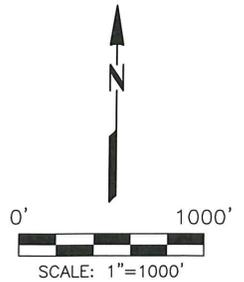
SECTION 27, TOWNSHIP 3 NORTH, RANGE 68 WEST, 6TH P.M.



SURVEYOR'S CERTIFICATION:
 I, Douglas W. Chinn, a licensed professional land surveyor in the state of Colorado do hereby certify to **KERR-MCGEE OIL & GAS ONSHORE LP.** that the survey and well location certificate shown hereon were done by me or under my direct supervision and that the drawing shown hereon accurately depicts the proposed location of the well. This certificate does not represent a land survey plat or improvement survey plat as defined by c.r.s. 38-51-102 and cannot be relied upon to determine ownership.



Heel & Bottom Hole Location
 changed by C Light 10/04/17



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=0.999717864.
6. GPS Operator: **Jeff Hawkins** PDOP **2.1**
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 **S 01°02'46" W 7908'** from the Surface Location.
10. Existing well Hilgers 16-22A bears **S 89°59'23" W 90'** 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.

Douglas W. Chinn, PLS #37070
 FOR AND ON BEHALF OF ACKLAM, INC.
 195 Telluride Street Suite 7
 Brighton CO 80601

WELL LOCATION CERTIFICATE	
HILGERS 8N2-34HZ	
SURFACE	857' FSL 760' FEL SEC. 22 GROUND ELEVATION=5000'
HEEL	292' FNL 962' FEL SEC. 27
BOTTOM HOLE	988' FNL 924' FEL SEC. 34
SE1/4 SE1/4 SECTION 22, T3N, R68W, 6TH PM WELD COUNTY, COLORADO	
DATE SURVEYED: 06/25/2015	
DATE DRAFTED: 09/17/2015	
DRAFTED BY: SMF	CHK BY: JMP
JOB No. 155004	REVISED: 10/26/2016

WELL LOCATION CERTIFICATE

HILGERS 8N2-34HZ

SURFACE 857' FSL 760' FEL SEC. 22
GROUND ELEVATION=5000'

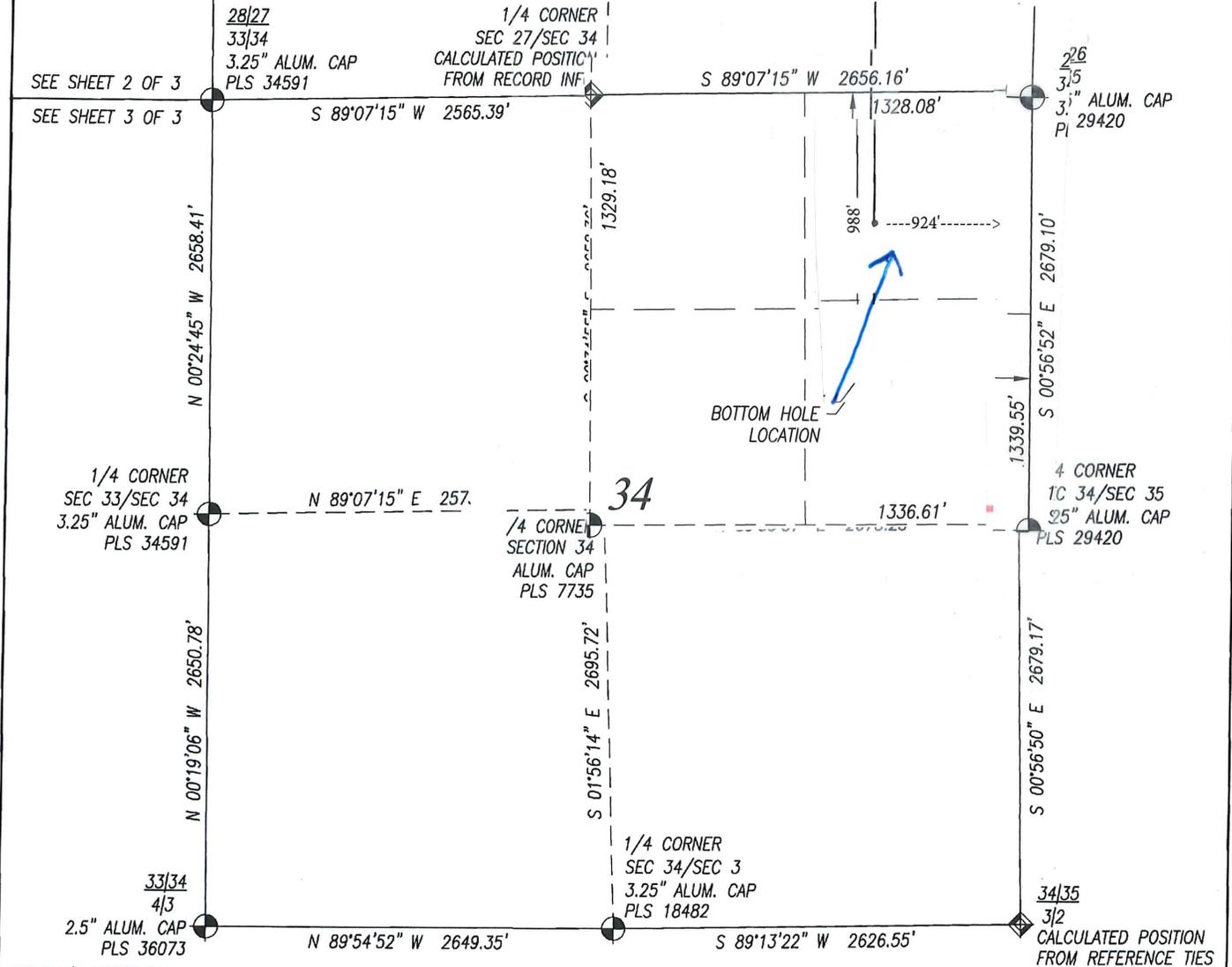
HEEL 292' FNL 962' FEL SEC. 27

BOTTOM HOLE 988' FNL 924' FEL SEC. 34

SE1/4 SE1/4
SECTION 22, T3N, R68W, 6TH PM
WELD COUNTY, COLORADO

WELL LOCATION CERTIFICATE: HILGERS 8N2-34HZ

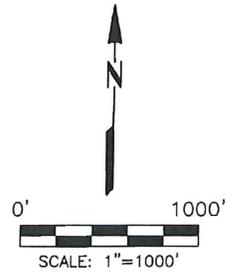
SECTION 34, TOWNSHIP 3 NORTH, RANGE 68 WEST, 6TH P.M.



SURVEYOR'S CERTIFICATION:
 I, Douglas W. Chinn, a licensed professional land surveyor in the state of Colorado do hereby certify to KERR-MCGEE OIL & GAS ONSHORE LP that the survey and well location certificate shown hereon were done by me or under my direct supervision and that the drawing shown hereon accurately depicts the proposed location of the well. This certificate does not represent a land survey plat or improvement survey plat as defined by c.r.s. 38-51-102 and cannot be relied upon to determine ownership.



Heel & Bottom Hole Location changed by C Light 10/04/17



Douglas W. Chinn, PLS #37070
 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 (GEOID12).
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<p>PREPARED FOR:</p> <p>Kerr-McGee Oil & Gas Onshore L.P. 1099 18th Street Denver, Colorado 80202</p>	
<p>WELL LOCATION CERTIFICATE</p> <p>HILGERS 8N2-34HZ</p> <p>SURFACE 857' FSL 760' FEL SEC. 22 GROUND ELEVATION=5000'</p> <p>HEEL 292' FNL 962' FEL SEC. 27</p> <p>BOTTOM HOLE 988' FNL 924' FEL SEC. 34</p>	
<p>SE1/4 SE1/4 SECTION 22, T3N, R68W, 6TH PM WELD COUNTY, COLORADO</p>	
DATE SURVEYED: 06/25/2015	
DATE DRAFTED: 09/17/2015	
DRAFTED BY: SMF	CHK BY: JMP
JOB No. 155004	REVISED: 10/26/2018