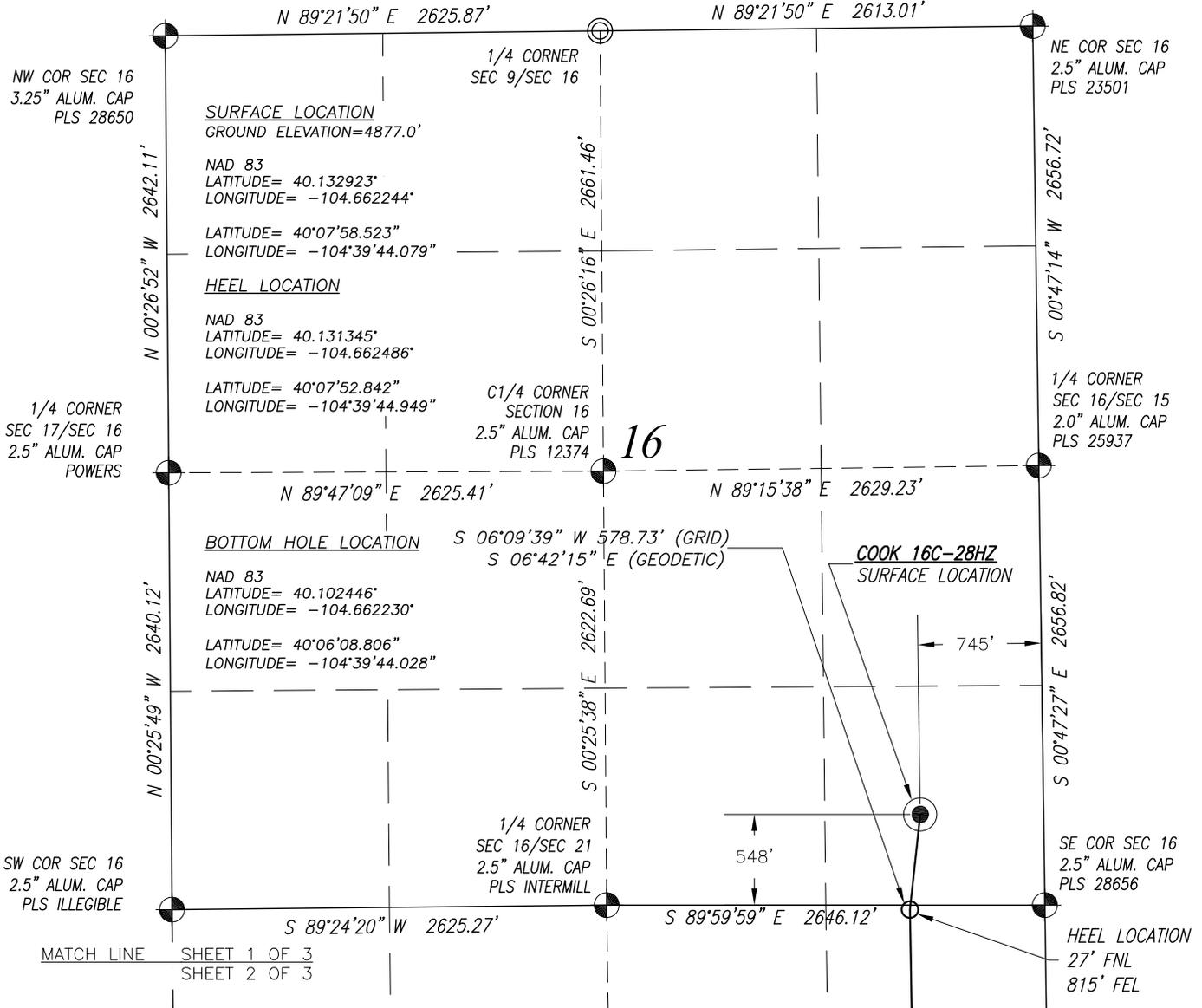
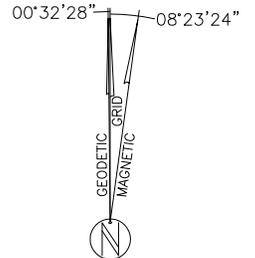
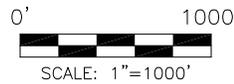


SECTION 16, TOWNSHIP 2 NORTH, RANGE 65 WEST, 6TH P.M.



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:

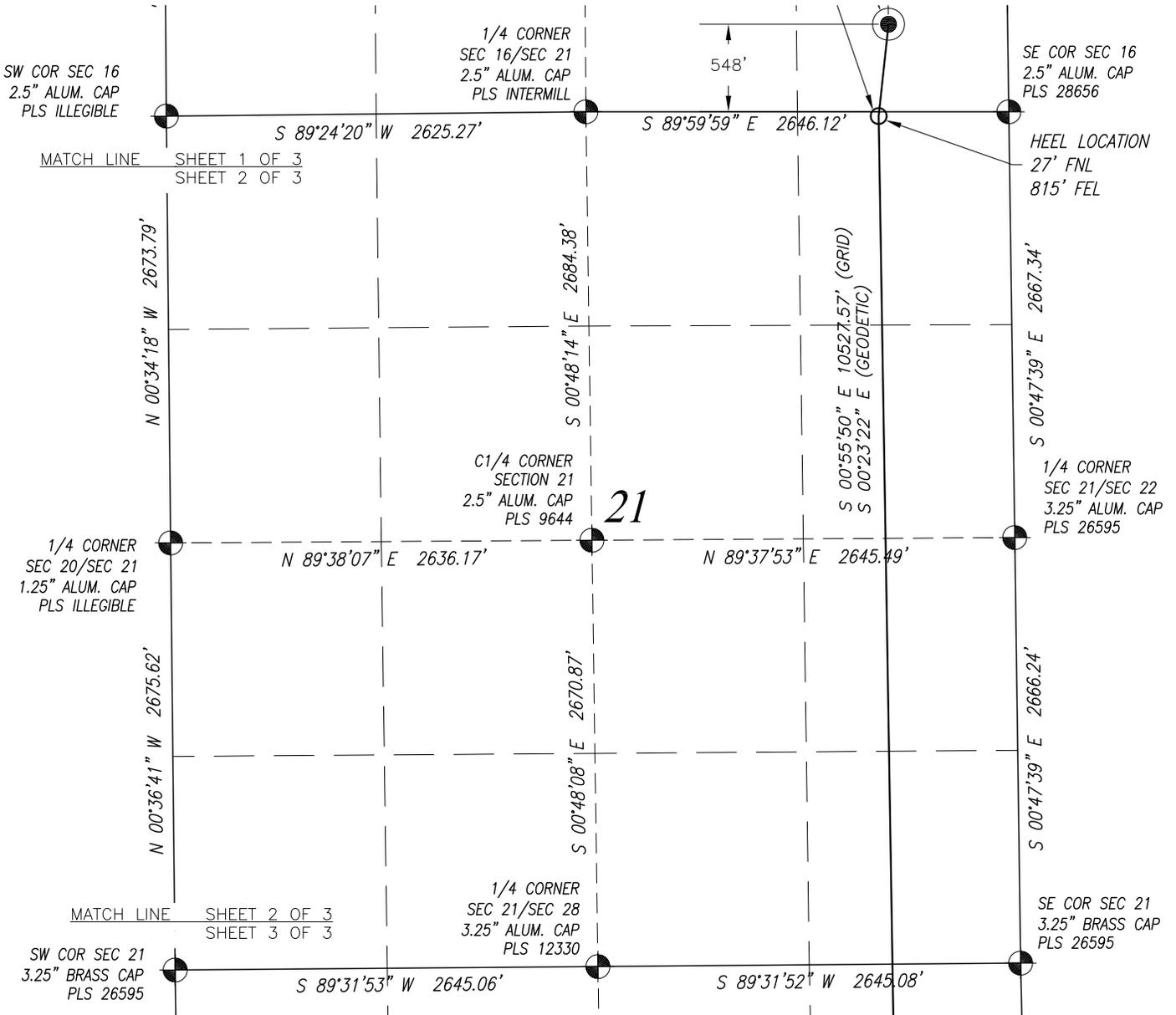
EQUATION:
MAGNETIC AZIMUTH=GRID AZIMUTH-08°23'24"
GEODETTIC AZIMUTH=GRID AZIMUTH+00°32'28"

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=0.999728637
 6. GPS Operator: M.W. PDOP < 3.0
 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 00°33'42" E 11102.11' 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: 12/15/2014	
DATE DRAFTED: 03/06/2015	
DRAFTED BY: PAV	CHK BY: MAH
JOB No. 14506	REVISED: 4/24/2015

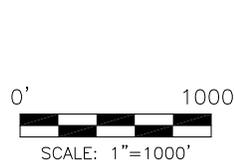
WELL LOCATION CERTIFICATE	
COOK 16C-28HZ	
SURFACE	548' FSL 745' FEL SEC. 16 GROUND ELEVATION=4877.0'
HEEL	27' FNL 815' FEL SEC. 21
BOTTOM	48' FSL 832' FEL SEC. 28
SE1/4 SE1/4 SECTION 16, T2N, R65W, 6TH PM WELD COUNTY, COLORADO	

SECTION 21, TOWNSHIP 2 NORTH, RANGE 65 WEST, 6TH P.M.



SURVEYOR'S CERTIFICATION:
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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 (GEOID12).
- Basis of Bearings: Colorado coordinate system 1983 north zone ('GRID').
- Basis of Distances: GRID; Combined Factor=0.999728637
- GPS Operator: M.W. PDOP < 3.0
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- Well footages are measured at right angles to the section lines.
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PREPARED FOR:



Acklam, Inc.

DATE SURVEYED: 12/15/2014
DATE DRAFTED: 03/06/2015
DRAFTED BY: PAV CHK BY: MAH
JOB No. 14506 REVISED: 4/24/2015

WELL LOCATION CERTIFICATE

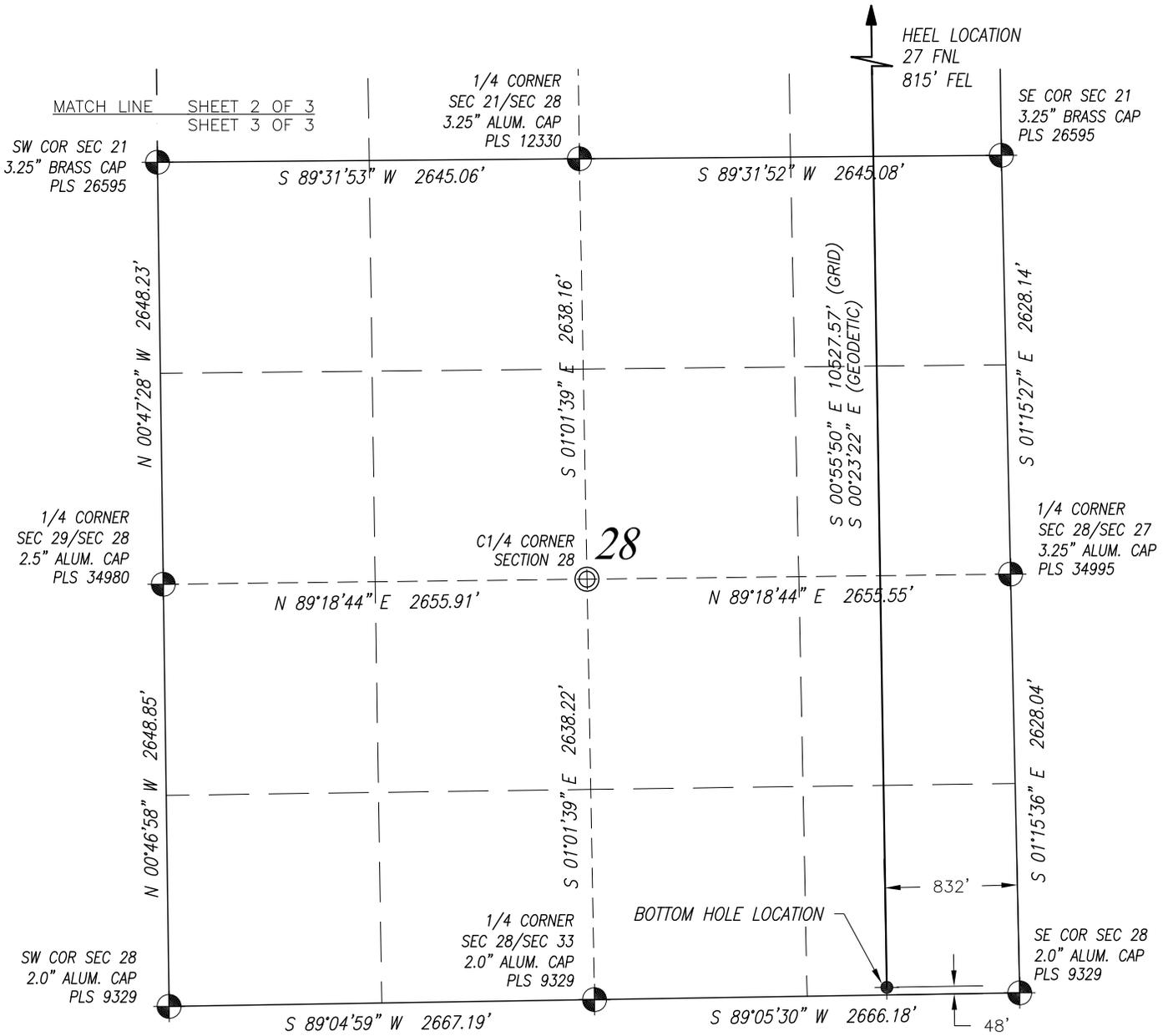
COOK 16C-28HZ

SURFACE 548' FSL 745' FEL SEC. 16
GROUND ELEVATION=4877.0'

HEEL 27' FNL 815' FEL SEC. 21
BOTTOM 48' FSL 832' FEL SEC. 28

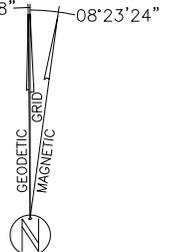
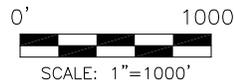
SE1/4 SE1/4
SECTION 16, T2N, R65W, 6TH PM
WELD COUNTY, COLORADO

SECTION 28, TOWNSHIP 2 NORTH, RANGE 65 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:

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SE1/4 SE1/4 SECTION 16, T2N, R65W, 6TH PM WELD COUNTY, COLORADO	