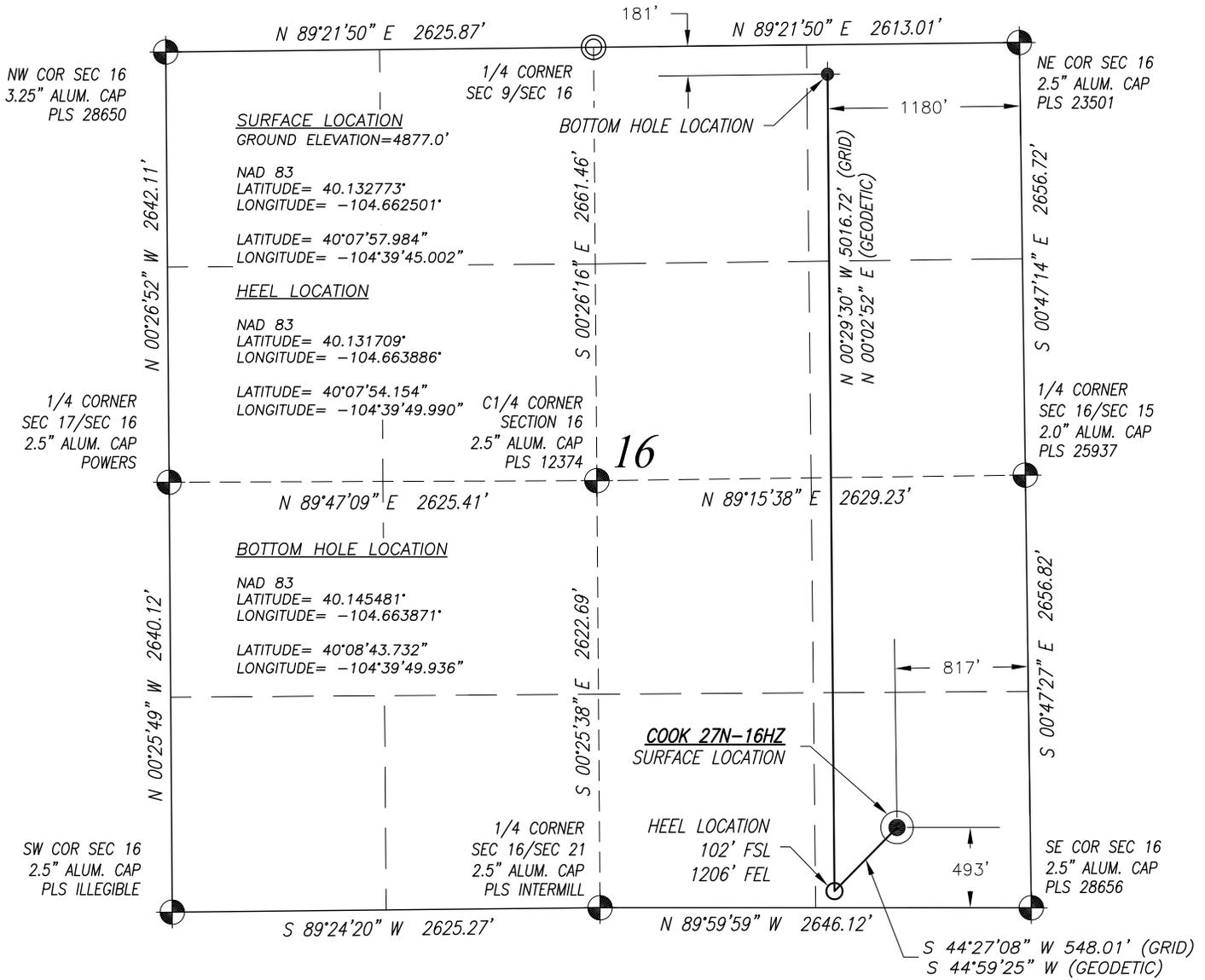
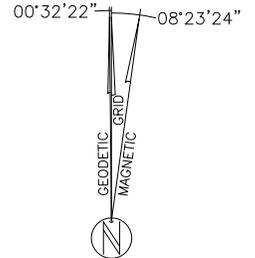
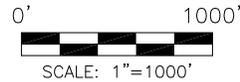


# SECTION 16, TOWNSHIP 2 NORTH, RANGE 65 WEST, 6TH P.M.



**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



**EQUATION:**  
 MAGNETIC AZIMUTH=GRID AZIMUTH-08°23'24"  
 GEODETIC AZIMUTH=GRID AZIMUTH+00°32'22"

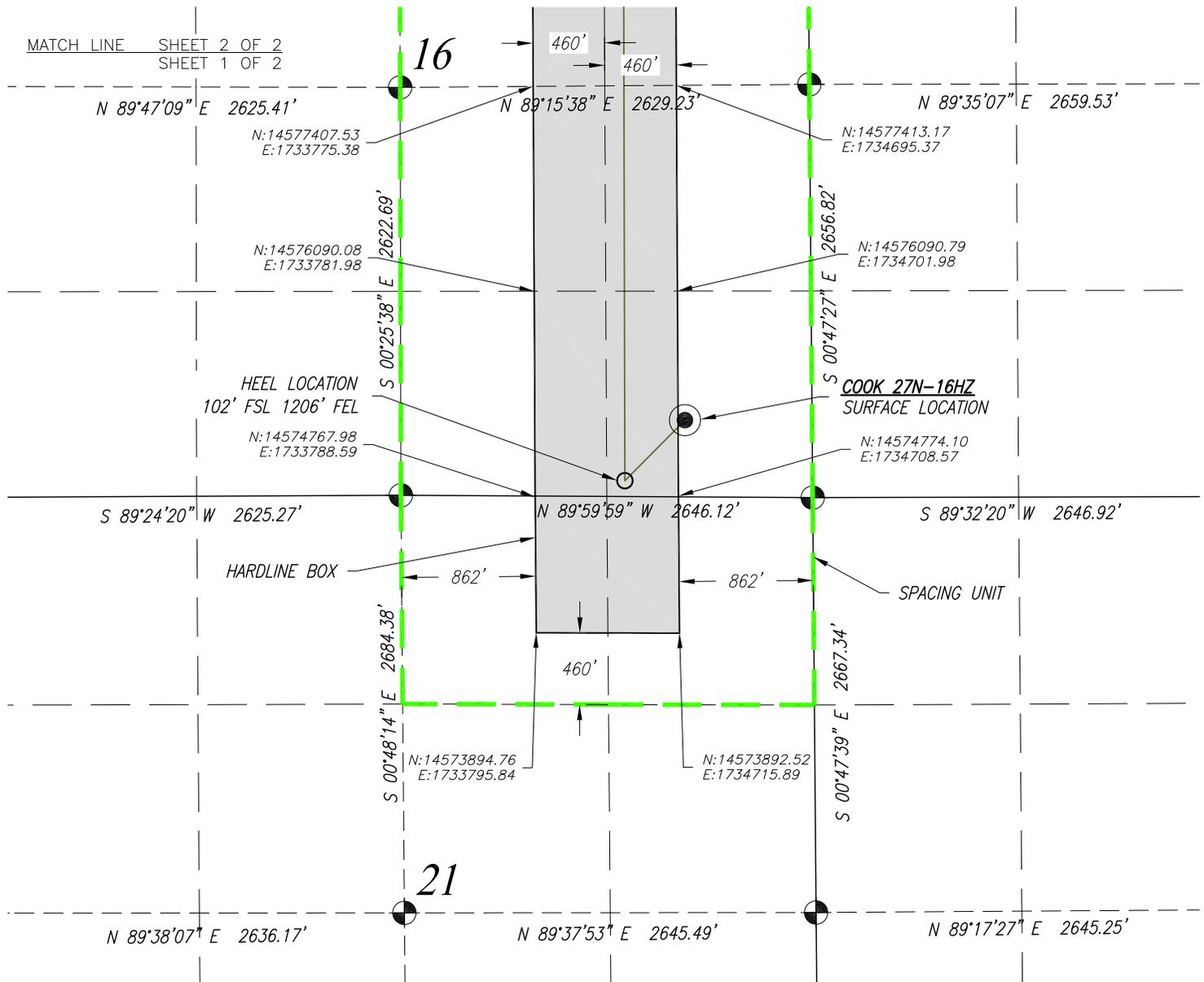
**NOTES:**

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=0.999728637
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 N 05°16'21" E 4645.00' 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:   <b>Kerr-McGee Oil &amp; Gas Onshore L.P.</b> 1099 18th Street Denver, Colorado 80202	<b>WELL LOCATION CERTIFICATE</b>  <b>COOK 27N-16HZ</b> SURFACE 493' FSL 817' FEL SEC. 16 GROUND ELEVATION=4877.0'  HEEL 102' FSL 1206' FEL SEC. 16 BOTTOM 181' FNL 1180' FEL SEC. 16
<b>Acklam, Inc.</b> DATE SURVEYED: 12/15/2014 DATE DRAFTED: 03/06/2015 DRAFTED BY: PAV    CHK BY: MAH JOB No. 14506    REVISED: 4/23/2015	SE1/4 SE1/4 SECTION 16, T2N, R65W, 6TH PM WELD COUNTY, COLORADO

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



HEEL LOCATION

N: 14,574,872.35'  
E: 1,734,364.65'

LATITUDE= 40.131709°  
LONGITUDE= -104.663886°

LATITUDE= 40°07'54.154"  
LONGITUDE= -104°39'49.990"

BOTTOM HOLE LOCATION

N: 14,579,887.30'  
E: 1,734,349.93'

LATITUDE= 40.145481°  
LONGITUDE= -104.663871°

LATITUDE= 40°08'43.732"  
LONGITUDE= -104°39'49.936"

NOTES:

1. Found Section Corner
2. Calculated Section Corner
3. Basis of Bearings: Colorado coordinate system 1983 north zone ('GRID')
4. Basis of Distances: GRID; Combined Factor=0.999728637
5. Basis of coordinates: UTM ZONE 13 NAD 83

PREPARED FOR:

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

**Acklam, Inc.**

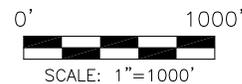
**SPACING UNIT EXHIBIT**

**COOK 27N-16HZ**

SURFACE 493' FSL 817' FEL SEC. 16  
GROUND ELEVATION=4877.0'

HEEL 102' FSL 1206' FEL SEC. 16  
BOTTOM 181' FNL 1180' FEL SEC. 16

SE1/4 SE1/4  
SECTION 16, T2N, R65W, 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.

DATE SURVEYED: 12/15/2014  
DATE DRAFTED: 04/14/2015  
DRAFTED BY: FWM | CHK BY: MAH  
JOB No. 14506 | REVISED: 4/24/2015