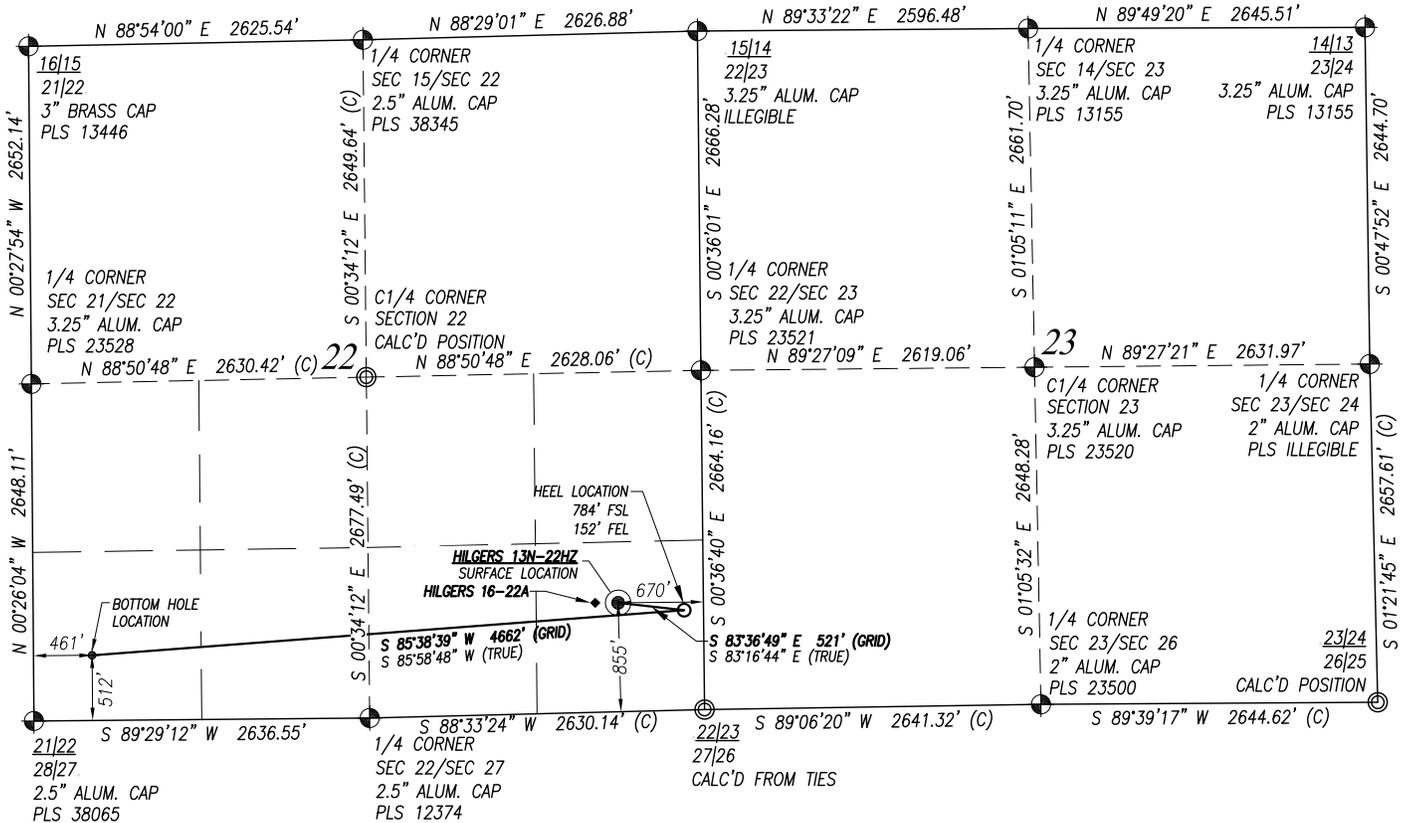


WELL LOCATION CERTIFICATE: HILGERS 13N-22HZ

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



SURFACE LOCATION
 GROUND ELEVATION=5000'
 NAD 83
 LATITUDE= 40.206604
 LONGITUDE= -104.981938
 LATITUDE= 40°12'23.774"
 LONGITUDE= -104°58'54.976"

HEEL LOCATION
 NAD 83
 LATITUDE= 40.206436
 LONGITUDE= -104.980084
 LATITUDE= 40°12'23.171"
 LONGITUDE= -104°58'48.301"

BOTTOM HOLE LOCATION
 NAD 83
 LATITUDE= 40.205538
 LONGITUDE= -104.996734
 LATITUDE= 40°12'19.937"
 LONGITUDE= -104°59'48.242"

SURVEYOR'S CERTIFICATION:

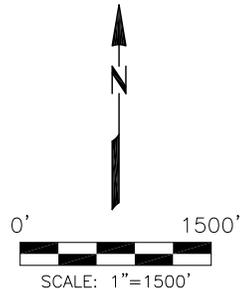
I, Mark A. Hall, a licensed professional land surveyor in the state of Colorado do hereby certify to **KERR-MCGEE OIL & GAS ONSHORE LP** that the survey and well location certificate shown hereon were done by me or under my direct supervision and that the drawing shown hereon accurately depicts the proposed 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.



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=0.999717864.
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 84°18'09" W 4151'** from the Surface Location.
10. Existing well Hilgers 16-22A bears **N 89°58'24" W 180'** from the Surface Location.



PREPARED FOR:

WELL LOCATION CERTIFICATE

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

HILGERS 13N-22HZ
 SURFACE 855' FSL 670' FEL
 GROUND ELEVATION=5000'

HEEL 784' FSL 152' FEL
 BOTTOM HOLE 512' FSL 461' FWL

Acklam, Inc.

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

DATE SURVEYED: 06/25/2015
 DATE DRAFTED: 11/02/2015
 DRAFTED BY: SMF CHK BY: JAM
 JOB No. 155004 REVISED:

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.