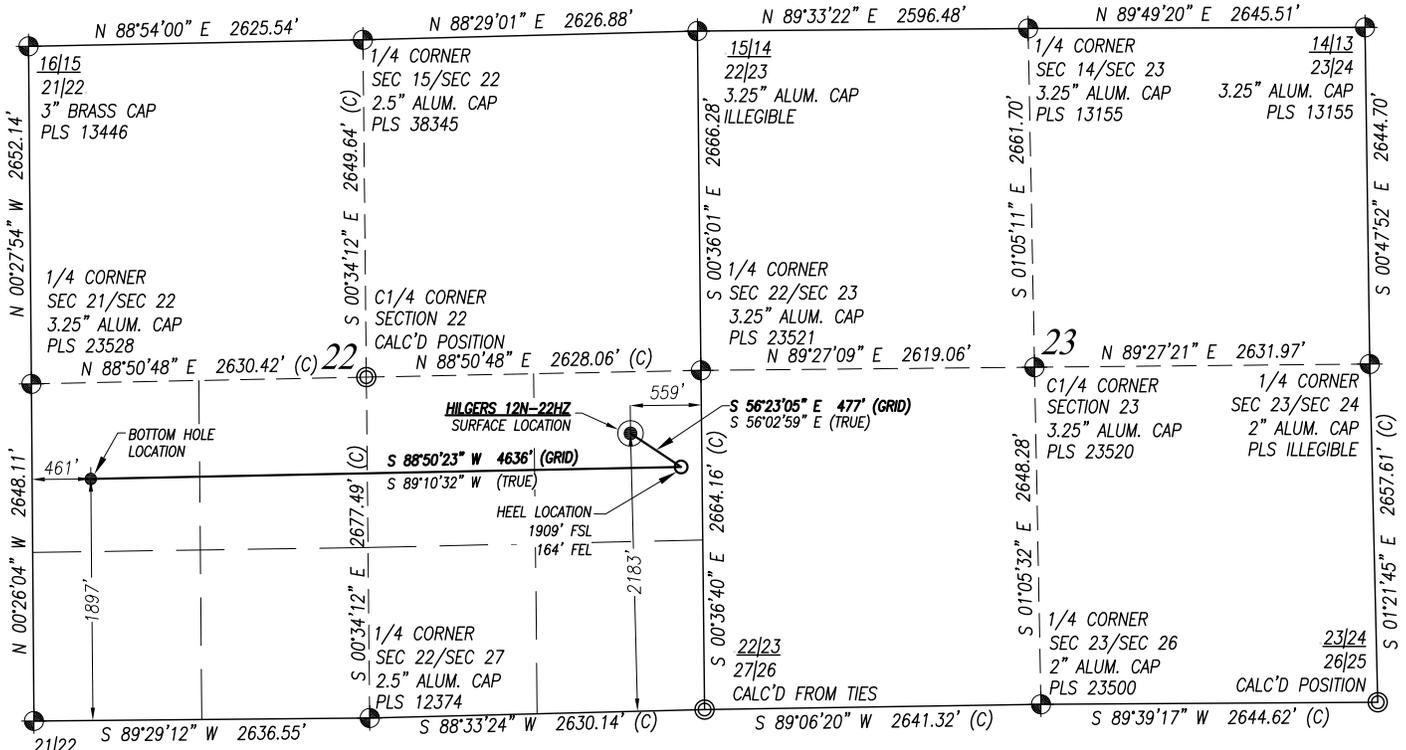


# WELL LOCATION CERTIFICATE: HILGERS 12N-22HZ

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



**SURFACE LOCATION**  
GROUND ELEVATION=4997'

NAD 83  
LATITUDE= 40.210256'  
LONGITUDE= -104.981563'  
  
LATITUDE= 40°12'36.921"  
LONGITUDE= -104°58'53.627"

**HEEL LOCATION**

NAD 83  
LATITUDE= 40.209524'  
LONGITUDE= -104.980146'  
  
LATITUDE= 40°12'34.287"  
LONGITUDE= -104°58'48.525"

**BOTTOM HOLE LOCATION**

NAD 83  
LATITUDE= 40.209340'  
LONGITUDE= -104.996743'  
  
LATITUDE= 40°12'33.624"  
LONGITUDE= -104°59'48.275"

**SURVEYOR'S CERTIFICATION:**

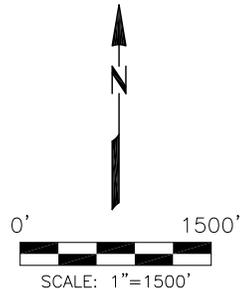
I, Mark A. Hall, a licensed professional land surveyor in the state of Colorado do hereby certify to **KERR-MCGEE OIL & GAS ONSHORE LP** that the survey and well location certificate shown hereon were done by me or under my direct supervision and that the drawing shown hereon accurately depicts the proposed 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=0.999719068.
6. GPS Operator: **Jeff Hawkins** 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 **S 85°10'15" W 4253'** from the Surface Location.



PREPARED FOR:   <b>Kerr-McGee Oil &amp; Gas Onshore L.P.</b> 1099 18th Street Denver, Colorado 80202	<b>WELL LOCATION CERTIFICATE</b>  <b>HILGERS 12N-22HZ</b> SURFACE      2183' FSL 559' FEL GROUND ELEVATION=4997'  HEEL            1909' FSL 164' FEL BOTTOM HOLE   1897' FSL 461' FWL
<b>Acklam, Inc.</b>	NE1/4 SE1/4 SECTION 22, T3N, R68W, 6TH PM WELD COUNTY, COLORADO
DATE SURVEYED: 06/29/2015 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.