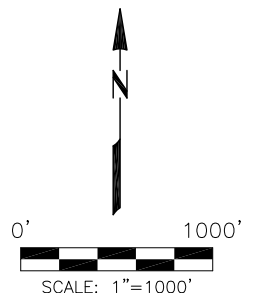


A circular professional seal for Mark A. Hall, a Colorado Registered Professional Land Surveyor. The seal features the text "COLORADO REGISTERED" at the top, "MARK A. HALL" in the center, "36073" below the name, and "PROFESSIONAL LAND SURVEYOR" at the bottom. A blue ink signature is written across the top, and the date "08/19/2015" is stamped in blue ink at the bottom.

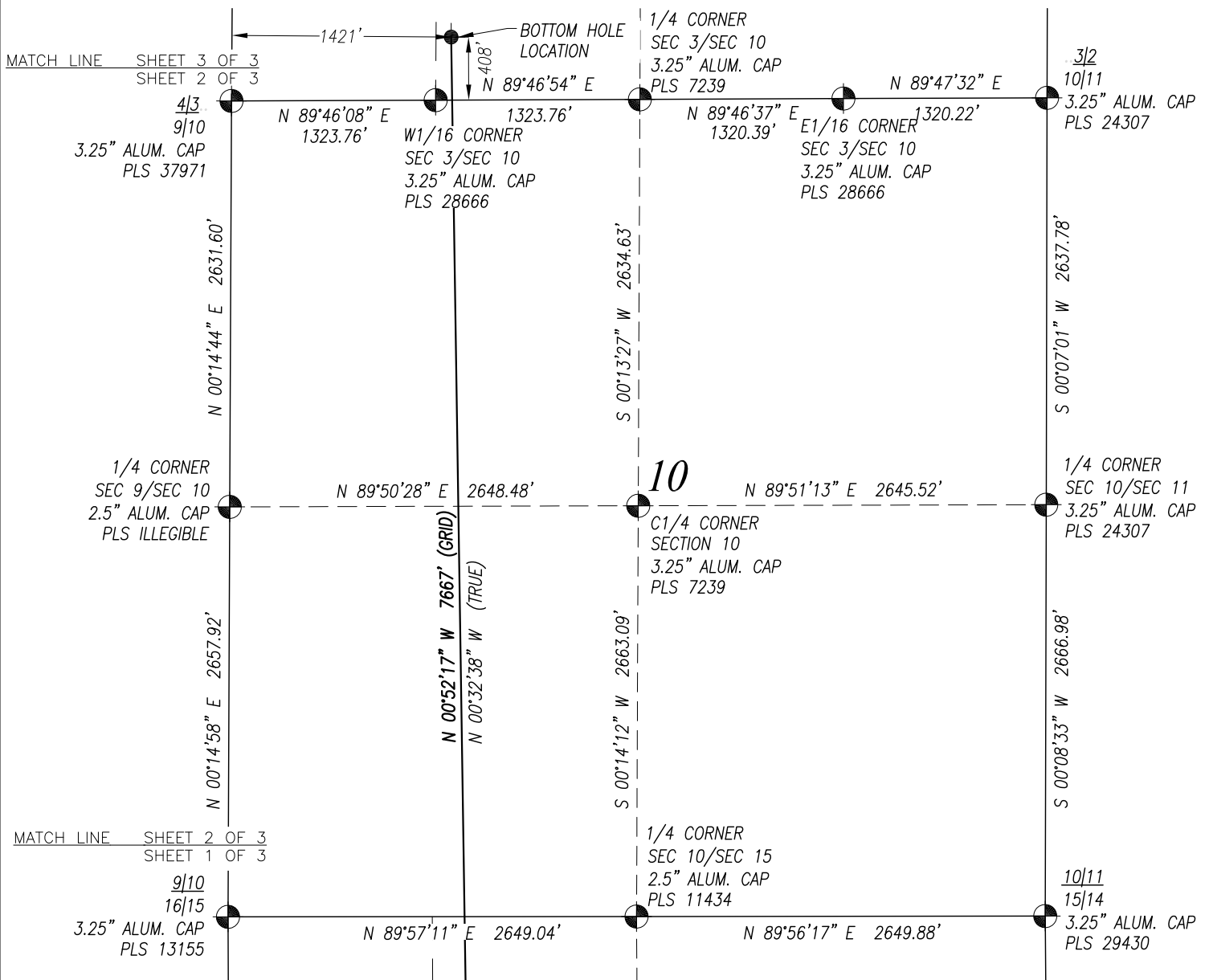


*SHEET 1 OF 3*

DATE SURVEYED: 06/22/2015	
DATE DRAFTED: 08/18/2015	
DRAFTED BY: SMF	CHK BY: JMP
JOB No. 155000	REVISED:

# WELL LOCATION CERTIFICATE: KEOWN STATE 14N-3HZ

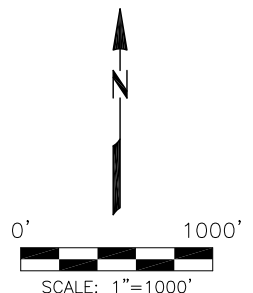
## SECTION 10, TOWNSHIP 2 NORTH, RANGE 68 WEST, 6TH P.M.



### 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:

- 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=0.999725831
- GPS Operator: **Monty Wallace** PDOP **1.3**
- 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 **N 04°35'03" E 7526'** 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:

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

**Acklam, Inc.**

DATE SURVEYED: 06/22/2015

DATE DRAFTED: 08/18/2015

DRAFTED BY: SMF CHK BY: JMP

JOB No. 155000 REVISED:

### WELL LOCATION CERTIFICATE

#### KEOWN STATE 14N-3HZ

**SURFACE** 1799' FNL 837' FWL SEC. 15  
GROUND ELEVATION=4872'

**HEEL** 1964' FNL 1554' FWL SEC. 15  
**BOTTOM HOLE** 408' FSL 1421' FWL SEC. 3

**SW1/4 NW1/4**  
**SECTION 15, T2N, R68W, 6TH PM**  
**WELD COUNTY, COLORADO**

**Section 3**

**Section Lines:**

- Top: S 89°54'52" E 2649.35' (C)
- Right: N 89°13'22" E 2626.55'
- Bottom: N 89°47'32" E 1320.22'
- Left: N 00°05'16" E 2596.57'

**Section Corners:**

- Top Left: 1/4 CORNER SEC 4/SEC 3, 2.5" ALUM. CAP, PLS 28273
- Top Right: 1/4 CORNER SEC 3/SEC 2, 3.25" ALUM. CAP, PLS 29420
- Bottom Left: 1/4 CORNER SEC 3/SEC 10, 3.25" ALUM. CAP, PLS 7239
- Bottom Right: 1/4 CORNER SEC 3/SEC 10, 3.25" ALUM. CAP, PLS 28666

**Section 3 Details:**

- Center: C1/4 CORNER SECTION 3, CALC'D POSITION
- Section Line: S 00°17'01" W 2561.51' (C)
- Section Line: S 00°17'01" W 2646.62' (C)
- Section Line: S 00°07'08" W 2566.06'
- Section Line: S 00°07'57" W 2667.71'

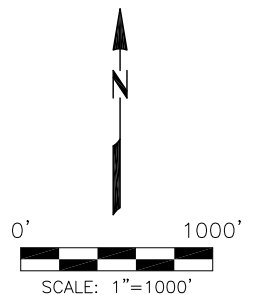
**Bottom Hole Location:**

- Distance from SW Corner: 1421'
- Distance from South Line: 408'
- Bearing: N 89°46'54" E
- Distance from West Line: 1323.76'
- Distance from East Line: 1320.39'

**Match Line:**

- Left: MATCH LINE
- Right: SHEET 3 OF 3

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*SHEET 3 OF 3*

DATE SURVEYED: 06/22/2015	
DATE DRAFTED: 08/18/2015	
DRAFTED BY: SMF	CHK BY: JMP
JOB No. 155000	REVISED: