



Kerr-McGee Oil & Gas Onshore LP

A subsidiary of Anadarko Petroleum Corporation

1099 18th Street
Denver, CO 80202
720-929-6000

December 9, 2016

Matt Lepore
Director, Colorado Oil and Gas Conservation Commission
Department of Natural Resources
The Chancery Building
1120 Lincoln Street, Suite 801
Denver, CO 80203

Re: **30 Day Certification Letter - 318A.e**
HILGERS 8N3-34HZ (Doc No. 401149819)
Township 3 North, Range 68 West
Section 22: SE/4SE/4
Unit Acreage: 280 acres
Unit Spacing: 3N68W Sec 22: SE/4SE/4
3N68W Sec 27: E/2E/2
3N68W Sec 34: E/2NE/4
Weld County, Colorado

Dear Director Lepore:

Kerr McGee Oil and Gas Onshore LP (“KMG”) hereby certifies that KMG owns one hundred percent (100%) of the leasehold interest in the mineral rights in the proposed spacing unit. KMG hereby respectfully requests approval of this boundary well.

If you have any questions or issues regarding this permit, please contact our office.

Sincerely,

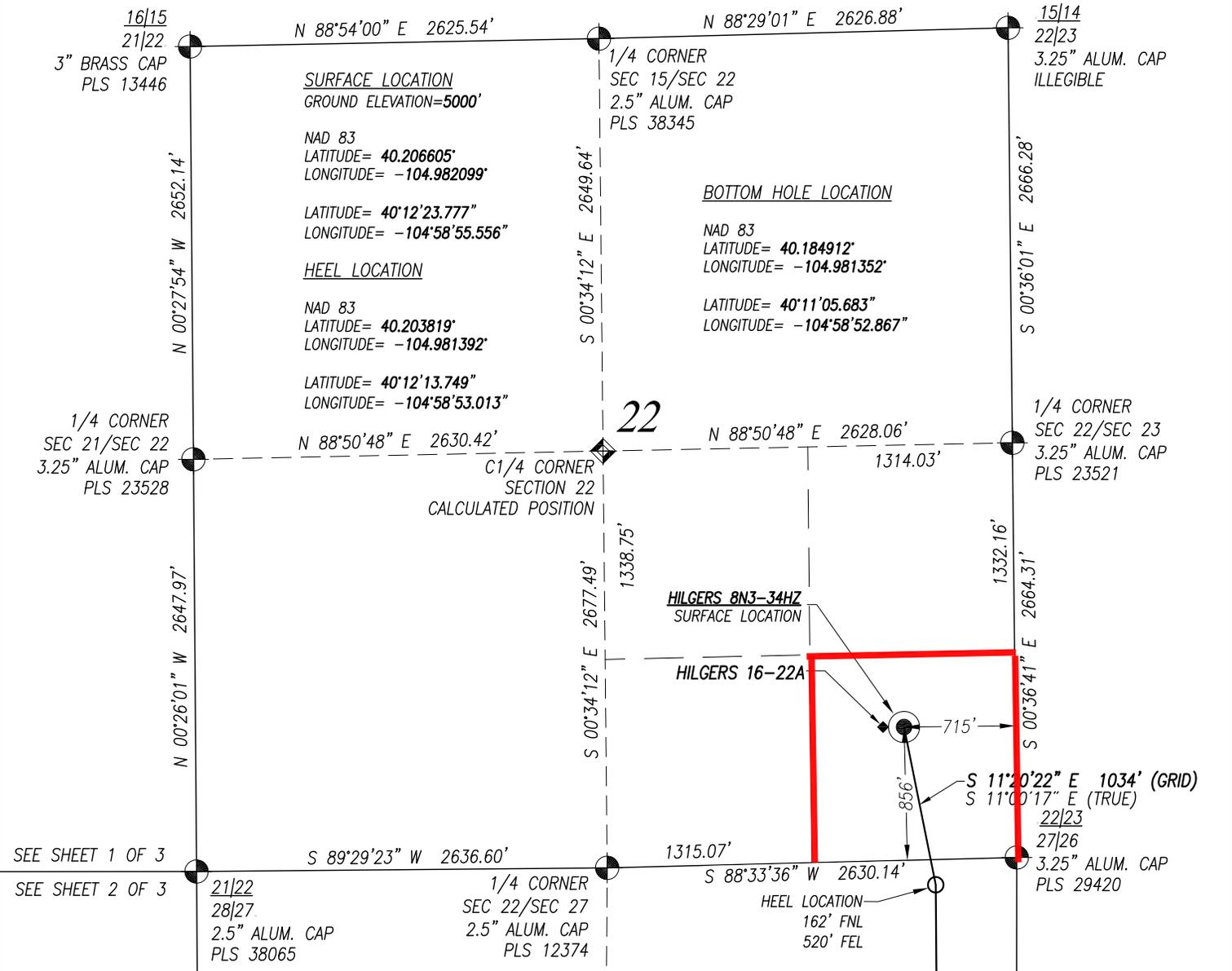
Kerr-McGee Oil and Gas Onshore LP

A handwritten signature in blue ink that reads "Cheryl Light".

Cheryl Light
Senior Regulatory Analyst

Enclosure

WELL LOCATION CERTIFICATE: HILGERS 8N3-34HZ
SECTION 22, TOWNSHIP 3 NORTH, RANGE 68 WEST, 6TH P.M.



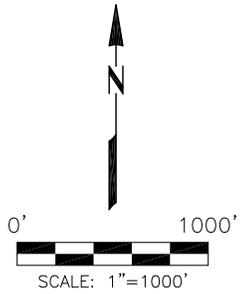
SURVEYOR'S CERTIFICATION:
I, Douglas W. Chinn, a licensed professional land surveyor in the state of Colorado do hereby certify to KERR-MCGEE OIL & GAS ONSHORE LP that the survey and well location certificate shown hereon were done by me or under my direct supervision and that the drawing shown hereon 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.



Douglas W. Chinn, PLS #37070
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=0.999717864.
- GPS Operator: **Jeff Hawkins** PDOP 2.1
- 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 **S 01°50'50" E 7905'** from the Surface Location.
- Existing well Hilgers 16-22A bears **N 89°59'22" W 135'** from the Surface Location.

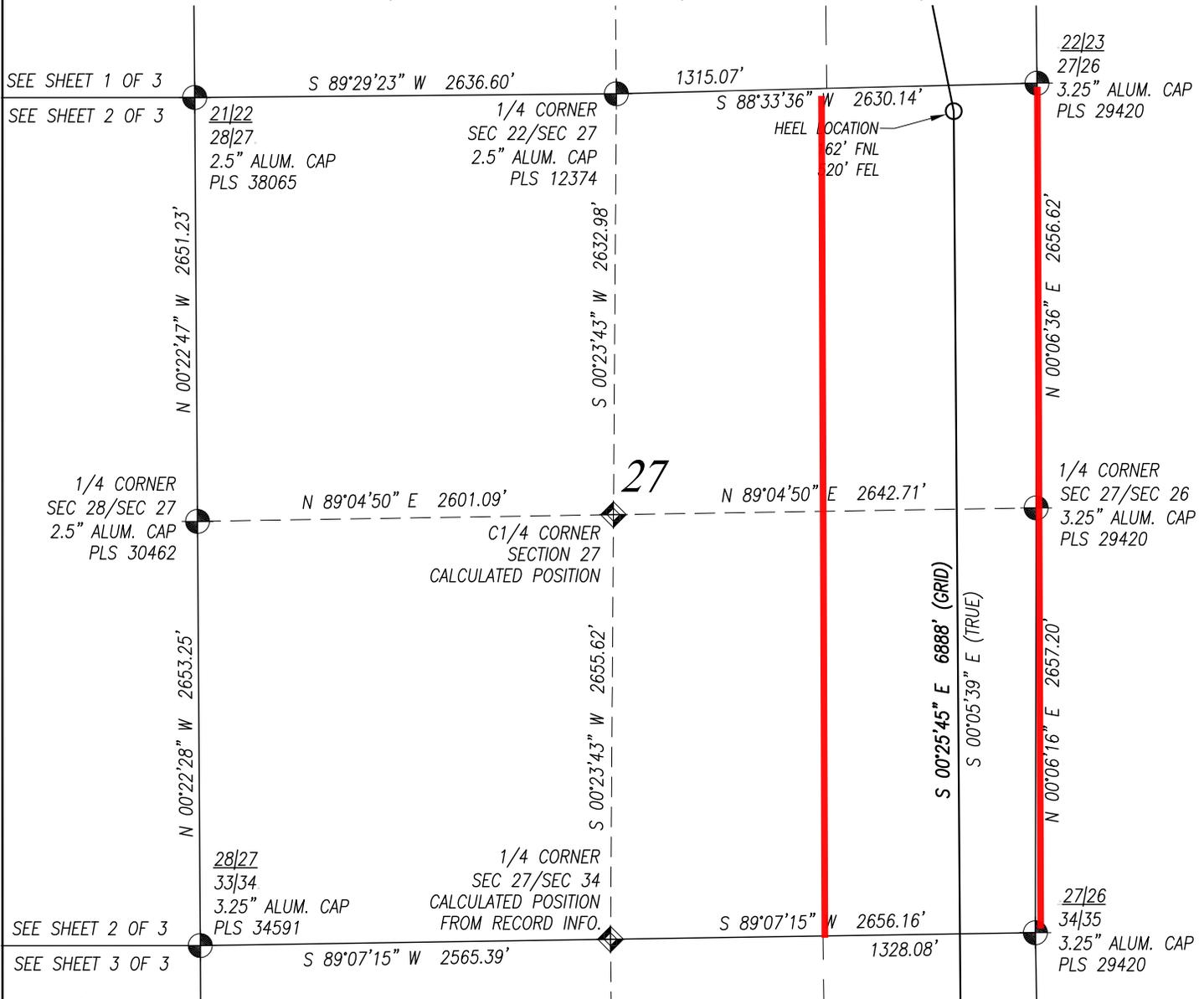


PREPARED FOR:	
Kerr-McGee Oil & Gas Onshore L.P. 1099 18th Street Denver, Colorado 80202	
Acklam, Inc.	
DATE SURVEYED: 06/25/2015	
DATE DRAFTED: 09/17/2015	
DRAFTED BY: SMF	CHK BY: JMP
JOB No. 155004	REVISED: 10/26/2016

WELL LOCATION CERTIFICATE	
HILGERS 8N3-34HZ	
SURFACE	856' FSL 715' FEL SEC. 22 GROUND ELEVATION=5000'
HEEL	162' FNL 520' FEL SEC. 27
BOTTOM HOLE	1741' FNL 488' FEL SEC. 34
SE1/4 SE1/4 SECTION 22, T3N, R68W, 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.

WELL LOCATION CERTIFICATE: HILGERS 8N3-34HZ
SECTION 27, TOWNSHIP 3 NORTH, RANGE 68 WEST, 6TH P.M.



SURVEYOR'S CERTIFICATION:
I, Douglas W. Chinn, 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.



Douglas W. Chinn, PLS #37070
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=0.999717864.
- GPS Operator: **Jeff Hawkins** PDOP 2.1
- 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 **S 01°50'50" E 7905'** from the Surface Location.
- Existing well Hilgers 16-22A bears **N 89°59'22" W 135'** 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.

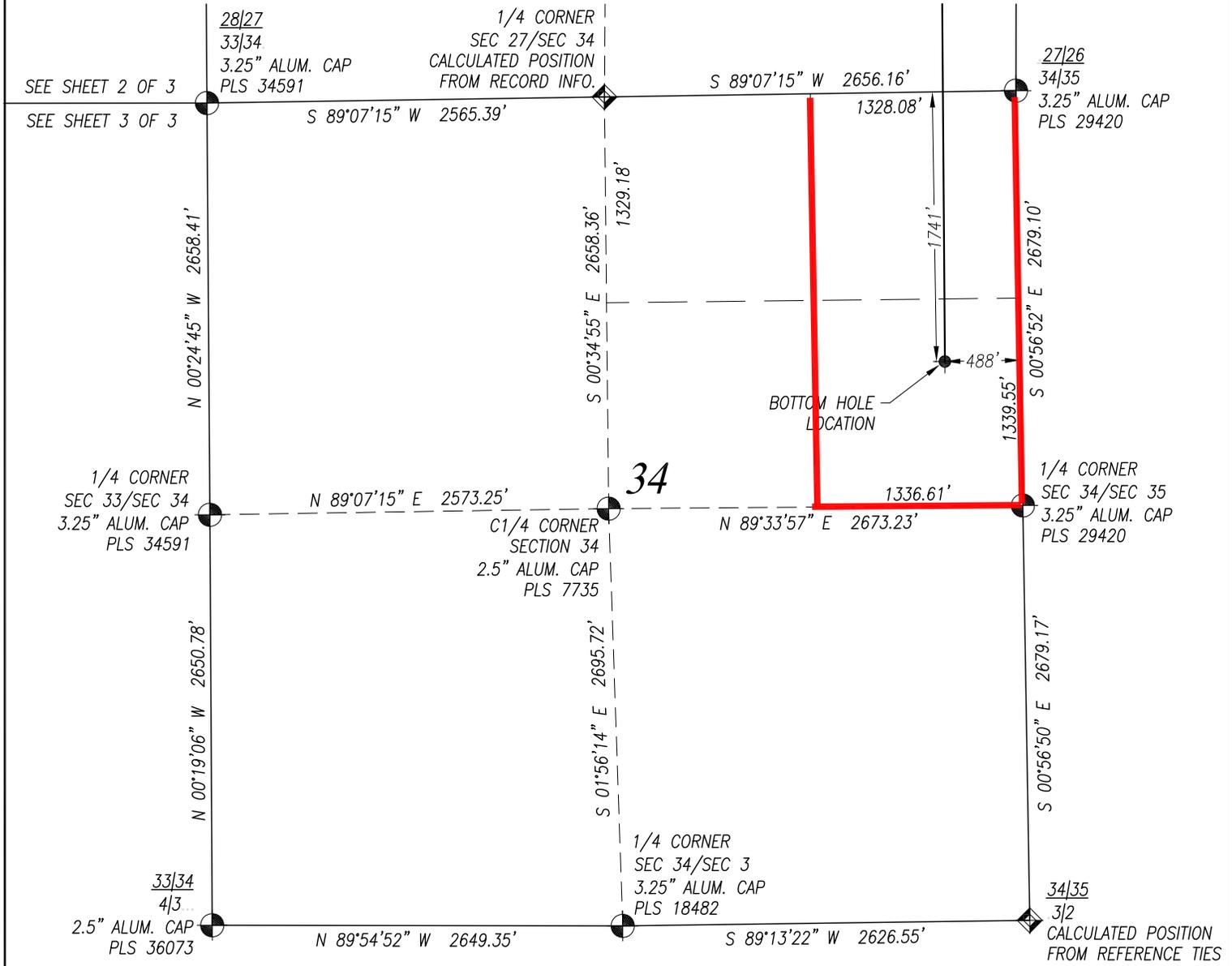
DATE SURVEYED: 06/25/2015
DATE DRAFTED: 09/17/2015
DRAFTED BY: SMF | CHK BY: JMP
JOB No. 155004 | REVISED: 10/26/2016

WELL LOCATION CERTIFICATE

HILGERS 8N3-34HZ
SURFACE 856' FSL 715' FEL SEC. 22
GROUND ELEVATION=5000'
HEEL 162' FNL 520' FEL SEC. 27
BOTTOM HOLE 1741' FNL 488' FEL SEC. 34
SE1/4 SE1/4
SECTION 22, T3N, R68W, 6TH PM
WELD COUNTY, COLORADO

WELL LOCATION CERTIFICATE: HILGERS 8N3-34HZ

SECTION 34, TOWNSHIP 3 NORTH, RANGE 68 WEST, 6TH P.M.



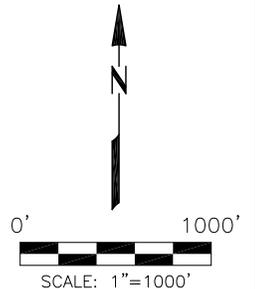
SURVEYOR'S CERTIFICATION:
I, Douglas W. Chinn, a licensed professional land surveyor in the state of Colorado do hereby certify to KERR-MCGEE OIL & GAS ONSHORE LP that the survey and well location certificate shown hereon were done by me or under my direct supervision and that the drawing shown hereon 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.



Douglas W. Chinn, PLS #37070
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=0.999717864.
- GPS Operator: **Jeff Hawkins PDOP 2.1**
- 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 **S 01°50'50" E 7905'** from the Surface Location.
- Existing well Hilgers 16-22A bears **N 89°59'22" W 135'** from the Surface Location.



PREPARED FOR:	
 Kerr-McGee Oil & Gas Onshore L.P. 1099 18th Street Denver, Colorado 80202	
Acklam, Inc.	
DATE SURVEYED: 06/25/2015	
DATE DRAFTED: 09/17/2015	
DRAFTED BY: SMF	CHK BY: JMP
JOB No. 155004	REVISED: 10/26/2016

WELL LOCATION CERTIFICATE	
HILGERS 8N3-34HZ	
SURFACE	856' FSL 715' FEL SEC. 22 GROUND ELEVATION=5000'
HEEL	162' FNL 520' FEL SEC. 27
BOTTOM HOLE	1741' FNL 488' FEL SEC. 34
SE1/4 SE1/4 SECTION 22, T3N, R68W, 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.