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Suite 2000
Denver, CO 80202

Tel: 303.228.4000
Fax: 303.228.4280
www.nobleenergyinc.com

noble energy

June 15, 2017

Colorado Oil and Gas Conservation Commission
The Chancery Building
1120 Lincoln Street, Suite 801
Denver, CO 80203
Attn: Mr. Matt Lepore, Director

RE: Bison Ridge Y22-771, Doc # 401255590
Section 10: NE/4SW/4 Township 2 North, Range 64 West, 6th P.M.
Weld County, Colorado

Dear Director:

Noble Energy, Inc. ("NEI") is planning to drill the captioned boundary well in accordance with the provisions of COGCC Rule 318A.e.

NEI's proposed wellbore spacing unit consists of the SW/4 Sec.10, W/2 Sec. 15, NW/4, N/2SW/4 Sec. 22, T2N, R64W, creating a 722-acre wellbore spacing unit for the Niobrara formation. NEI is not the only owner within the proposed wellbore spacing unit and as such provided notice to the remaining owner(s) within said proposed spacing unit as required under COGCC Rule 318A.e.(5). Copies of the required notice letter(s) is/are on file at the NEI offices. The required thirty (30) day notice period has elapsed absent the receipt by NEI of an objection to said proposal by the owner(s) within the proposed spacing unit for this well.

Enclosed are copies of the following documents to assist you in your review and approval of NEI's proposed APD for the captioned well:

- Map & plat illustrating proposed wellbore spacing unit.

Thank you for your attention to the enclosed. NEI respectfully requests that the COGCC review the enclosed information and approve the Application for Permit to Drill the captioned well.

Sincerely,

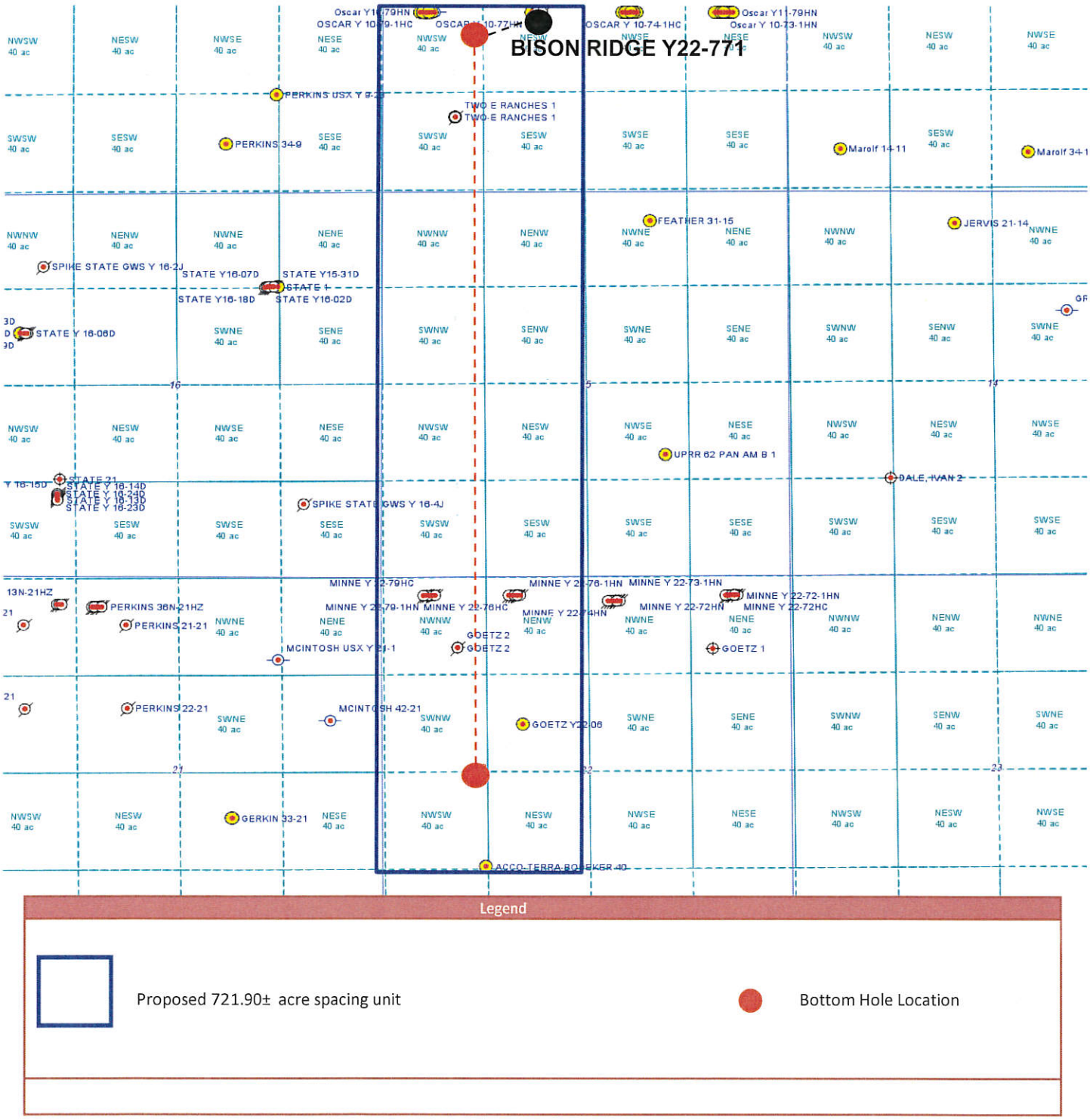
Jan Kajiwara

Jan Kajiwara
Regulatory Analyst III
Noble Energy Inc.

Bison Ridge Y22-771

Proposed Spacing Unit – Noble Energy, Inc

SW/4 Section 10, Township 2 North, Range 64 West
W/2 Section 15, Township 2 North, Range 64 West
NW/4, N/2SW/4 Section 22, Township 2 North, Range 64 West



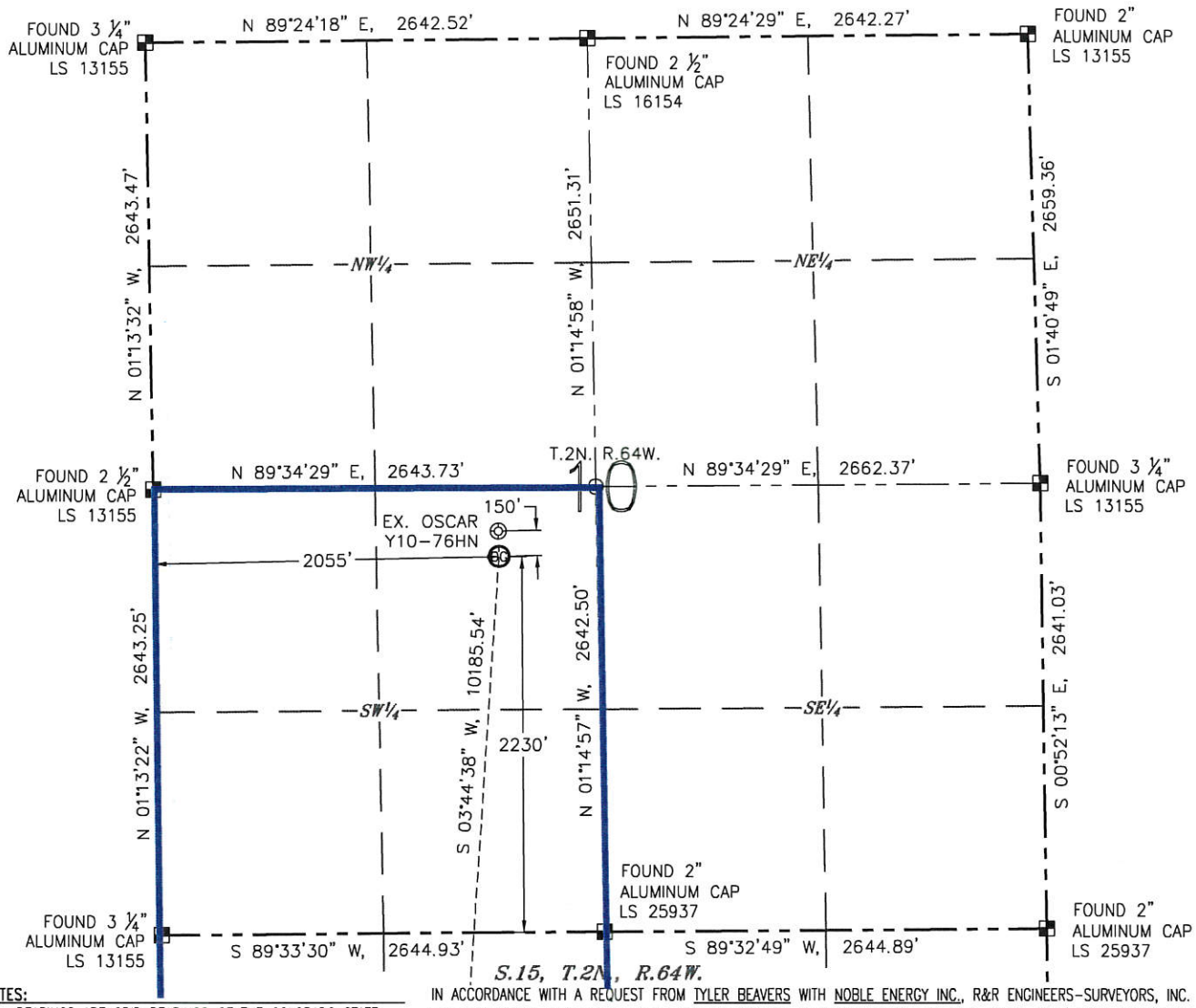
R&R ENGINEERS-SURVEYORS, INC. 710 WEST COLFAX AVENUE, DENVER, CO 80204 303-753-6730

WELL LOCATION CERTIFICATE

BISON RIDGE Y22-771

(SHEET 1 OF 3)

SECTION: 10
TOWNSHIP: 2N
RANGE: 64W



NOTES:

1. BEARINGS ARE GRID BEARINGS OF THE COLORADO STATE PLANE COORDINATE SYSTEM, NORTH ZONE, NAD 83. THE LINEAL DIMENSIONS SHOWN HEREON ARE BASED UPON THE "U.S. SURVEY FOOT".
2. GROUND ELEVATIONS ARE BASED UPON NGS OPUS SOLUTION NAVD 88 DATUM COMPUTED USING GEOID09.
3. **IMPROVEMENTS:** SEE LOCATION DRAWING FOR ALL VISIBLE IMPROVEMENTS WITHIN 500' OF THE DISTURBED AREA.
4. **SURFACE USE:** PASTURE.
5. **INSTRUMENT OPERATOR:** FLORIAN DUERSELEN.
6. **THE NEAREST EXISTING WELL:** OSCAR Y10-76HN, 150' N.

IN ACCORDANCE WITH A REQUEST FROM TYLER BEAVERS WITH NOBLE ENERGY INC., R&R ENGINEERS-SURVEYORS, INC. HAS DETERMINED THE SURFACE HOLE LOCATION OF THE BISON RIDGE Y22-771 WELL TO BE 2230' FROM THE SOUTH LINE AND 2055' FROM THE WEST LINE AS MEASURED AT RIGHT ANGLES FROM THE SECTION LINES OF SECTION 10, TOWNSHIP 2 NORTH, RANGE 64 WEST, AND THE BOTTOM HOLE LOCATION TO BE 2640' FROM THE SOUTH LINE AND 1233' FROM THE WEST LINE AS MEASURED AT RIGHT ANGLES FROM THE SECTION LINES OF SECTION 22, TOWNSHIP 2 NORTH, RANGE 64 WEST OF THE 6TH PRINCIPAL MERIDIAN, WELD COUNTY, COLORADO.

I HEREBY CERTIFY THAT THIS WELL LOCATION CERTIFICATE WAS PREPARED BY ME, OR UNDER MY DIRECT SUPERVISION, THAT THE FIELD WORK WAS COMPLETED ON 02/07/17, FOR AND ON BEHALF OF NOBLE ENERGY INC., THAT IT IS NOT A LAND SURVEY PLAT OR AN IMPROVEMENT SURVEY PLAT, AND THAT IT IS NOT TO BE RELIED UPON FOR ESTABLISHMENT OF FENCES, BUILDINGS, OR OTHER FUTURE IMPROVEMENT LINES.

SURFACE HOLE LOCATION		BOTTOM HOLE LOCATION	
LATITUDE:	N 40.15183°	LATITUDE:	N 40.12395°
LONGITUDE:	W 104.53971°	LONGITUDE:	W 104.54248°
PDOP:	1.7		
ELEVATION:	4931'		
¼-¼:	NE¼SW¼		

LEGEND

- PROPOSED WELL
- EXISTING WELL
- BOTTOM HOLE
- FOUND MONUMENT
- CALCULATED POSITION

N

0 1000'

SCALE: 1" = 1000'

COLORADO LICENSED ANTONIO W. SMITH 38320 PROFESSIONAL LAND SURVEYOR

02/17/17

MEASURED FROM THE	BUILDING	BUILDING UNIT	HIGH OCCUPANCY BUILDING UNIT	DESIGNATED OUTSIDE ACTIVITY AREA	PUBLIC ROAD	ABOVEGROUND UTILITY	RAILROAD	PROPERTY LINE
PROPOSED WELLHEAD	2567' SW	3221' SE	5280'+	5280'+	3012' SW (CR 55)	1976' W	5280'+	2055' W

ANTONIO W. SMITH, PLS 38320
FOR AND ON BEHALF OF R&R ENGINEERS-SURVEYORS, INC.

DATE: 02/10/2017
JOB #: NE16303

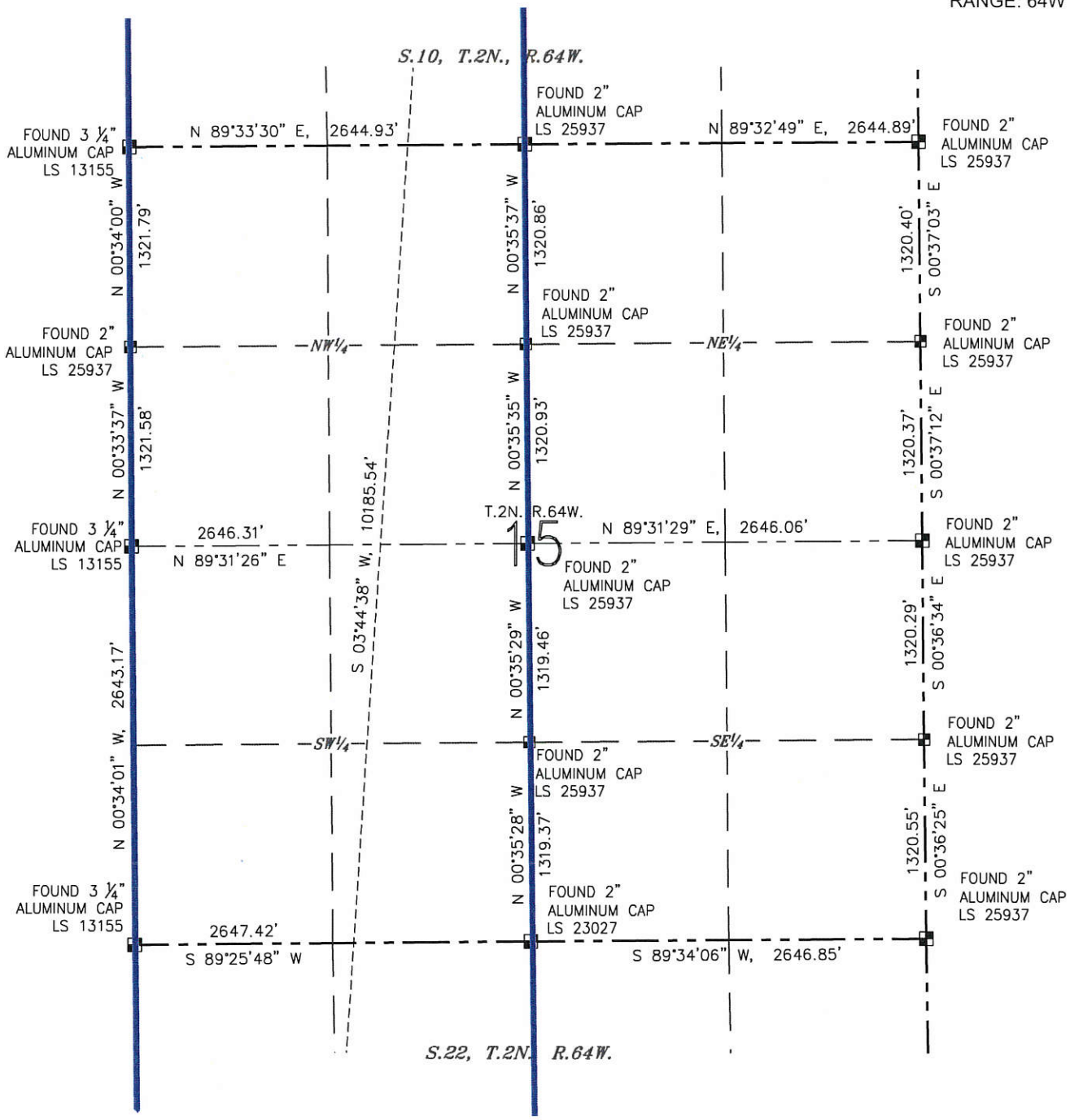
R&R ENGINEERS-SURVEYORS, INC. 710 WEST COLFAX AVENUE, DENVER, CO 80204 303-753-6730

WELL LOCATION CERTIFICATE

BISON RIDGE Y22-771

(SHEET 2 OF 3)

SECTION: 10
TOWNSHIP: 2N
RANGE: 64W



LEGEND

- PROPOSED WELL
- EXISTING WELL
- BOTTOM HOLE
- FOUND MONUMENT
- CALCULATED POSITION

N

0 1000'

SCALE: 1" = 1000'

DATE: 02/10/2017
JOB #: NE16303

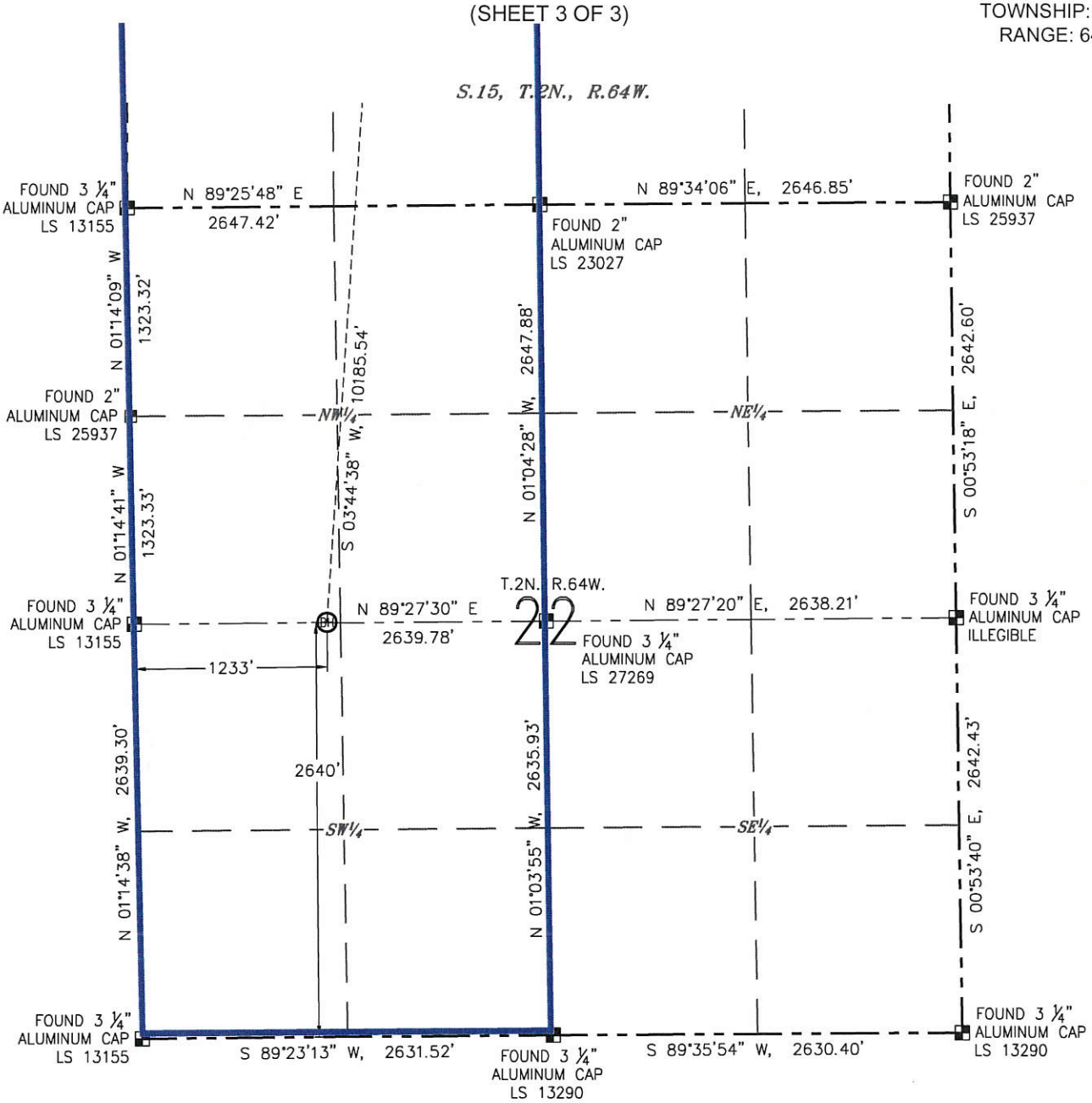
R&R ENGINEERS-SURVEYORS, INC. 710 WEST COLFAX AVENUE, DENVER, CO 80204 303-753-6730

WELL LOCATION CERTIFICATE

BISON RIDGE Y22-771

(SHEET 3 OF 3)

SECTION: 10
TOWNSHIP: 2N
RANGE: 64W



LEGEND

- PROPOSED WELL
- EXISTING WELL
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0 1000'

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DATE: 02/10/2017
JOB #: NE16303