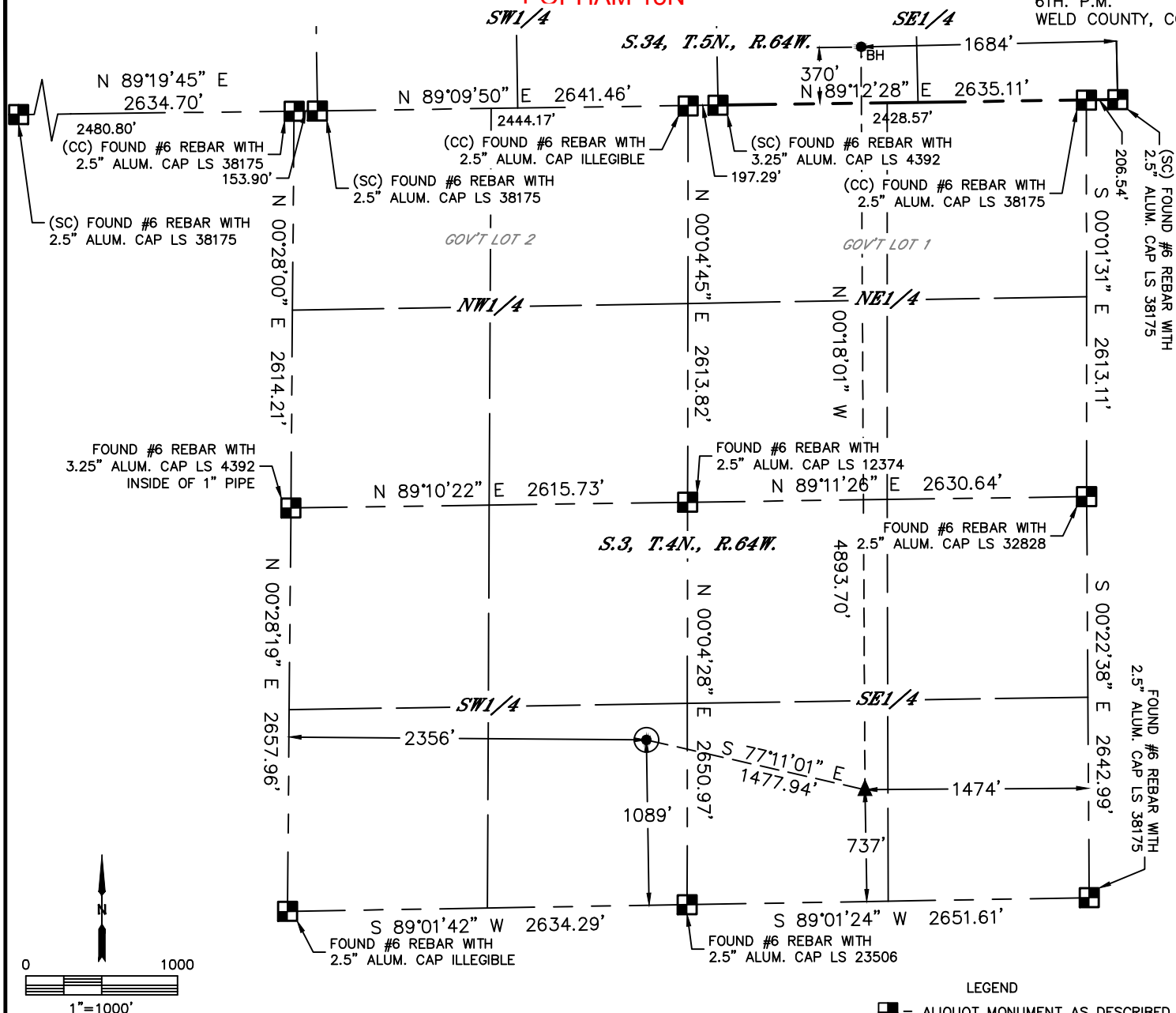


Lat40°, Inc. 6250 W. 10th Street, Unit 2, Greeley, CO 970-515-5294








# WELL LOCATION CERTIFICATE

POPHAM 15N

SECTION: 3  
TOWNSHIP: 4N  
RANGE: 64W  
6TH. P.M.  
WELD COUNTY, CO



### LEGEND

-  = ALIQUOT MONUMENT AS DESCRIBED  
 = CALCULATED POSITION  
 = SURFACE HOLE LOCATION (SHL)  
 = ENTRY POINT LOCATION (EP)  
 = BOTTOM HOLE LOCATION (BHL)  
 = EXISTING WELL  
 = ABANDONED WELL

CLIENT: PDC ENERGY, INC.

LANDMAN: JEFF HINDMARSH

INSTRUMENT OPERATOR: JAKE STILLE

SURVEY DATE: 7/25/2017

SURFACE USE: PASTURE

SHL FOOTAGE				SHL LAT °	SHL LONG °	SHL PDOP	SHL ELEV (FT.)	SHL 1/4/1/4	SHL S-T-R
1089	FSL	2356	FWL	40.33712	-104.53751	1.6	4660	SESW	3-4-64

BHL FOOTAGE				BHL LAT °	BHL LONG °	BHL S-T-R	EP LAT °	EP LONG °	EP S-T-R
370	FSL	1684	FEL	40.34960	-104.53226	34-5-64	40.33617	-104.53235	3-4-64

Distance to nearest unit boundary: 737'

NEAREST CULTURAL ITEMS	
BUILDING	±851' SE
BUILDING UNIT	±1012' SE
HIGH OCCUPANCY BUILDING UNIT	5280'+
DESIGNATED OUTSIDE ACTIVITY AREA	5280'+
PUBLIC ROAD (COUNTY ROAD 48)	±1077' S
ABOVE GROUND UTILITY	±863' SE
RAILROAD	5280'+
PROPERTY LINE	±270' E

NOTE:

1) Bearings shown are Grid Bearings of the Colorado State Plane Coordinate System, North Zone, North American Datum 1983. The lineal dimensions as contained herein are based upon the "U.S. Survey Foot."

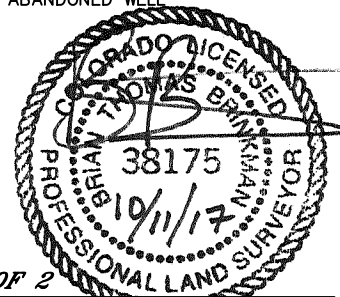
2) Distances to section lines measured at 90 degrees from said section lines.

3) Ground elevations are based on an observed GPS elevation (NAVD 1988 DATUM).

4) Latitude and Longitude shown are (NAD 83 DATUM).

5) IMPROVEMENTS: See LOCATION DRAWING for all visible improvements within 500' of oil and gas location.

6) This map does not represent a boundary survey.



*SHEET 1 OF 2*

Brian T. Brinkman—On behalf of ~~15140~~, Inc.  
Colorado Licensed Professional Land Surveyor No. 38175  
DATE: 10/11/2017  
PROJECT#: 2015075

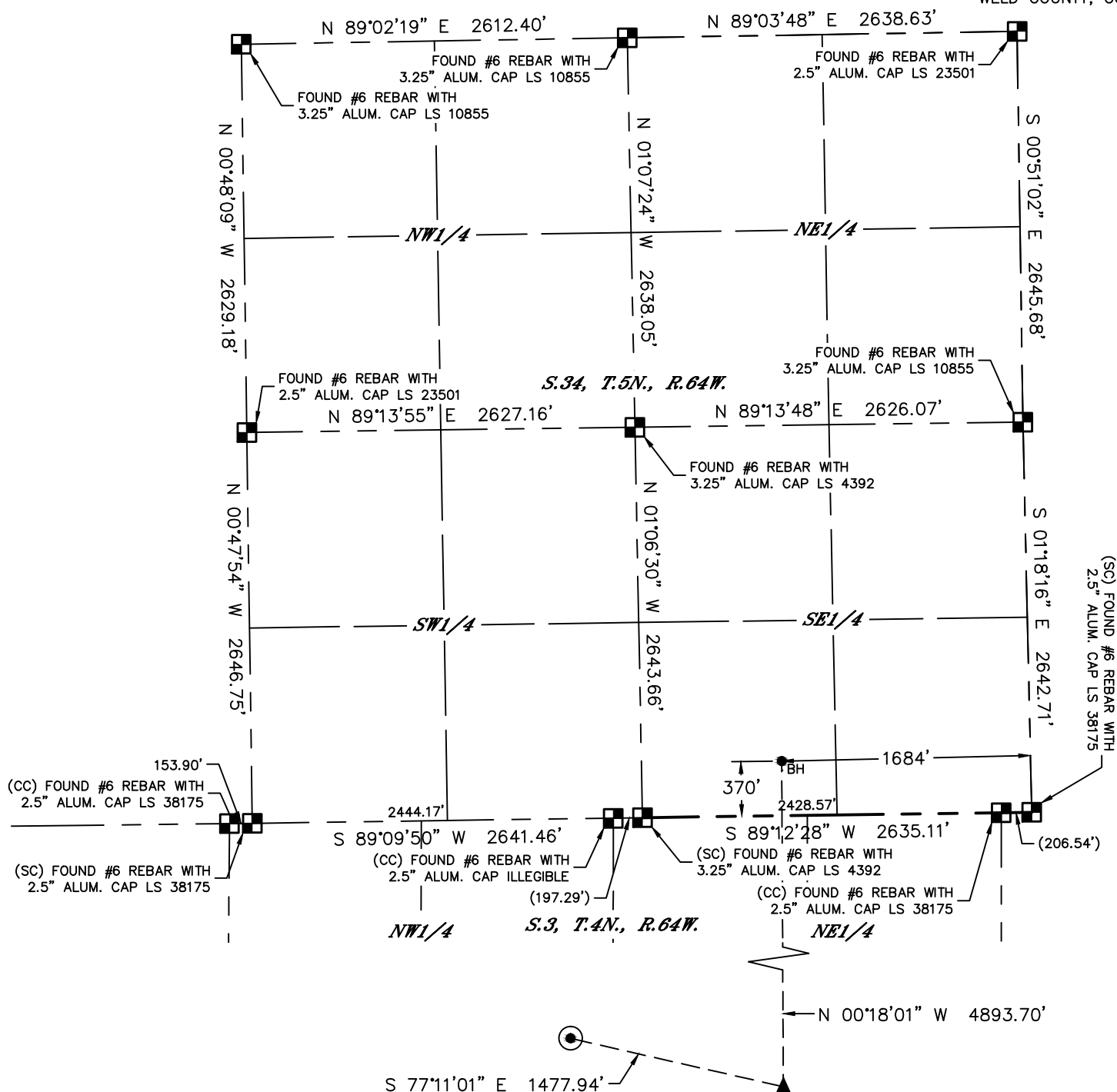


Lat40°, Inc. 6250 W. 10th Street, Unit 2, Greeley, CO 970-515-5294

# WELL LOCATION CERTIFICATE

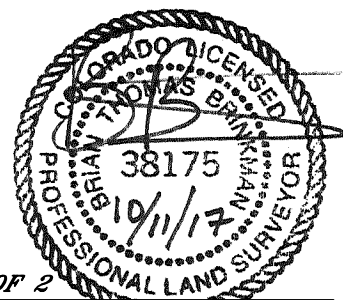
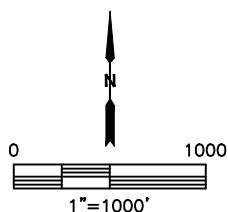
POPHAM 15N

SECTION: 3  
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SHEET 2 OF 2

Brian T. Brinkman—On behalf of Lat40°, Inc.  
Colorado Licensed Professional Land Surveyor No. 38175  
DATE: 10/11/2017  
PROJECT#: 2015075