

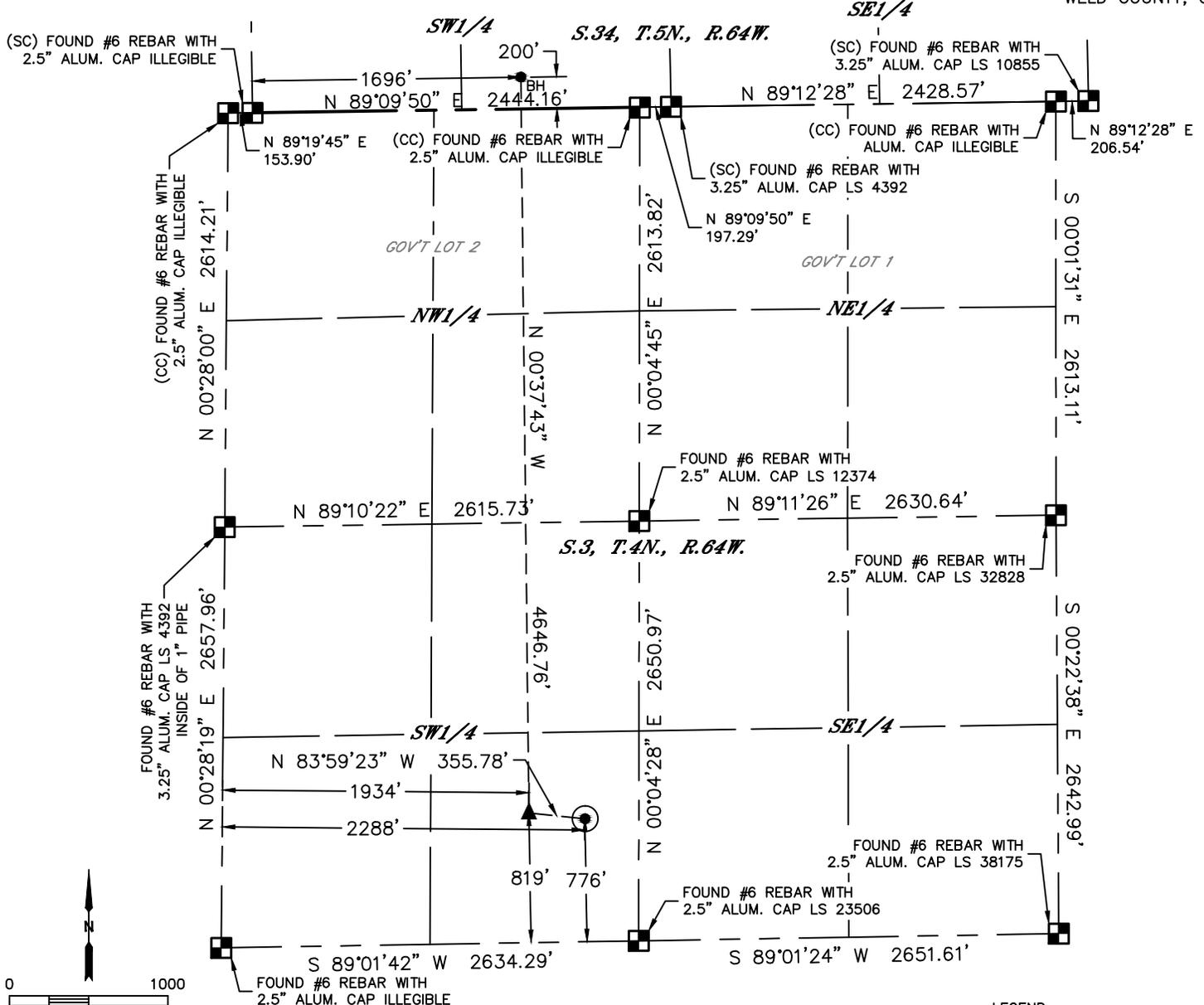


Lat40°, Inc. 6250 W. 10th Street, Unit 2, Greeley, CO 970-515-5294

WELL LOCATION CERTIFICATE

POPHAM 3B-221

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)
 - BH = BOTTOM HOLE LOCATION (BHL)
 - ⊕ = EXISTING WELL
 - ⊖ = ABANDONED WELL

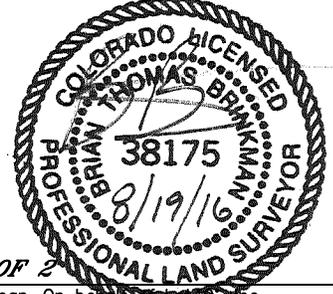
CLIENT: PDC ENERGY				LANDSMAN: JEFF HINDMARSH			
INSTRUMENT OPERATOR: CASEY KOHOUT				SURVEY DATE: 11/12/2015		SURFACE USE: PASTURE	
SHL FOOTAGE	SHL LAT °	SHL LONG °	SHL PDOP	SHL ELEV (FT.)	SHL 1/4/1/4	SHL S-T-R	
776	FSL	2288	FWL	40.33625	-104.53777	1.6 4660 SESW 3-4-64	

BHL FOOTAGE	BHL LAT °	BHL LONG °	BHL S-T-R	EP LAT °	EP LONG °	EP S-T-R
200	FSL	1696	FWL	40.34912	-104.53904	34-5-64 40.33637 -104.53904 3-4-64

NEAREST CULTURAL ITEMS	
BUILDING	±625'SE
BUILDING UNIT	±748'SE
HIGH OCCUPANCY BUILDING UNIT	5280'+
DESIGNATED OUTSIDE ACTIVITY AREA	5280'+
PUBLIC ROAD (COUNTY ROAD 48)	±763'S
ABOVE GROUND UTILITY	±635'SE
RAILROAD	5280'+
PROPERTY LINE	±340'E

NOTE:

- 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."
- Distances to section lines measured at 90 degrees from said section lines.
- Ground elevations are based on an observed GPS elevation (NAVD 1988 DATUM).
- Latitude and Longitude shown are (NAD 83 DATUM).
- IMPROVEMENTS: See LOCATION DRAWING for all visible improvements within 500' of oil and gas location.
- This map does not represent a boundary survey.

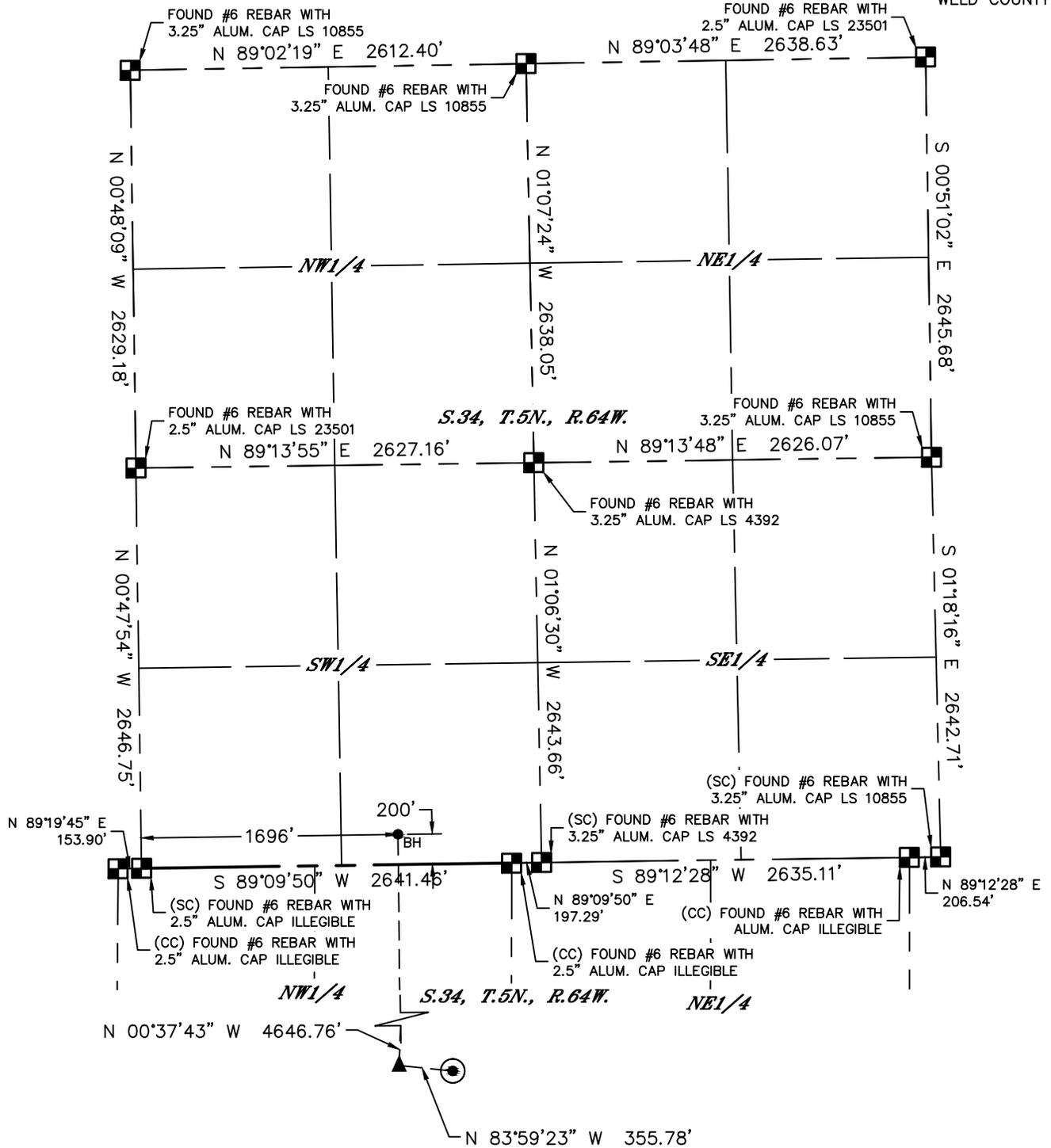




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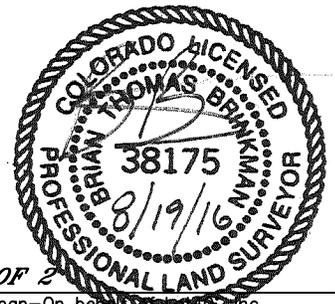
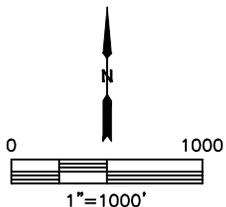
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SHEET 2 OF 2

Brian T. Brinkman—On behalf of Lat40°, Inc.
Colorado Licensed Professional Land Surveyor No. 38175
DATE: 8/18/2016
PROJECT#: 2015075