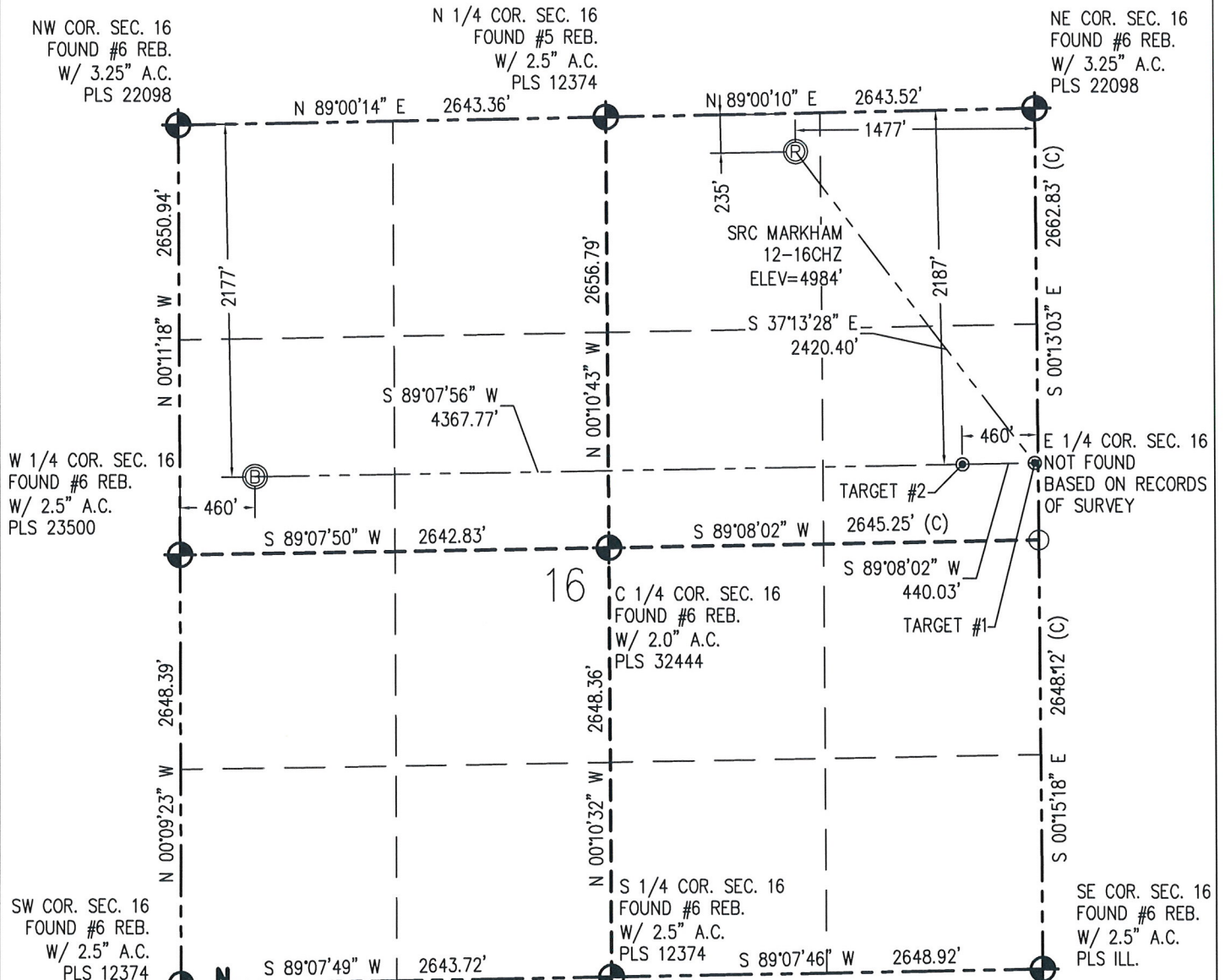


**WELL LOCATION CERTIFICATE**  
THIS MAP DOES NOT REPRESENT A BOUNDARY SURVEY

IN ACCORDANCE WITH A REQUEST FROM CRAIG RASMUSON - SYNERGY RESOURCES, BASELINE ENGINEERING CORP. HAS DETERMINED THE LOCATION OF THE SRC MARKHAM 12-16CHZ TO BE 235' FNL AND 1477' FEL, AS MEASURED AT NINETY (90) DEGREES FROM THE SECTION LINE OF SECTION 16, TOWNSHIP 4 NORTH, RANGE 68 WEST AND THE BOTTOM HOLE LOCATION TO BE 2177' FNL AND 460' FWL OF SECTION 16, TOWNSHIP 4 NORTH, RANGE 68 WEST, 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 10/30/2014, 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 FENCE, BUILDING, OR OTHER FUTURE IMPROVEMENT LINES.

0 1000  
Scale 1" = 1000 ft

## NOTES:

- 1) Bearings shown are grid bearings of the Colorado State Plane Coordinate System, North Zone, North American Datum 1983/2007. The lined dimensions as contained herein are based upon the "U.S. Survey Foot."
- 2) Ground elevations are based on an observed GPS elevation (NAVD 88 DATUM).
- 3) IMPROVEMENTS: See LOCATION DRAWING for all visible improvements within 500' of disturbed area.
- 4) SURFACE USE: PASTURE/AGRICULTURAL.
- 5) OPERATOR NAME: COLE HALL.
- 6) THE NEAREST EXISTING WELL IS: NONE IN SECTION.
- 7) NEAREST CULTURAL ITEMS:  
BUILDING: 525' E  
BUILDING UNIT: 607' E  
HIGH OCCUPANCY BUILDING UNIT: 5280'+  
DESIGNATED OUTSIDE ACTIVITY AREA: 5280'+  
PUBLIC ROAD: WELD COUNTY ROAD 46 221' N  
ABOVE GROUND UTILITY: 201' N  
RAILROAD: 5280'+  
PROPERTY LINE: 155' E

SURFACE HOLE:  
LATITUDE: 40.320034° N  
LONGITUDE: 105.004117° W  
PDOP: 1.7  
1/4, 1/4: NW1/4NE1/4  
NEAREST PROPERTY LINE: 155' E

BOTTOM HOLE:  
LATITUDE: 40.314596° N  
LONGITUDE: 105.016141° W

TARGET #1:  
LATITUDE: 40.314722° N  
LONGITUDE: 104.998906° W

TARGET #2:  
LATITUDE: 40.314711° N  
LONGITUDE: 105.000484° W

## LEGEND

- ⊙ - FOUND/SET SURVEY MONUMENT PER MONUMENT RECORD EXCEPTIONS NOTED.
- - CALCULATED SURVEY MONUMENT POSITION
- (C) - CALCULATED DIMENSION



AARON A. DEMO  
Professional Land Surveyor Registration No. 38285  
State of Colorado  
FOR AND ON BEHALF OF BASELINE ENGINEERING CORP.

Completed  
12/9/2014

PROJECT #: SYN04N68W16-01