

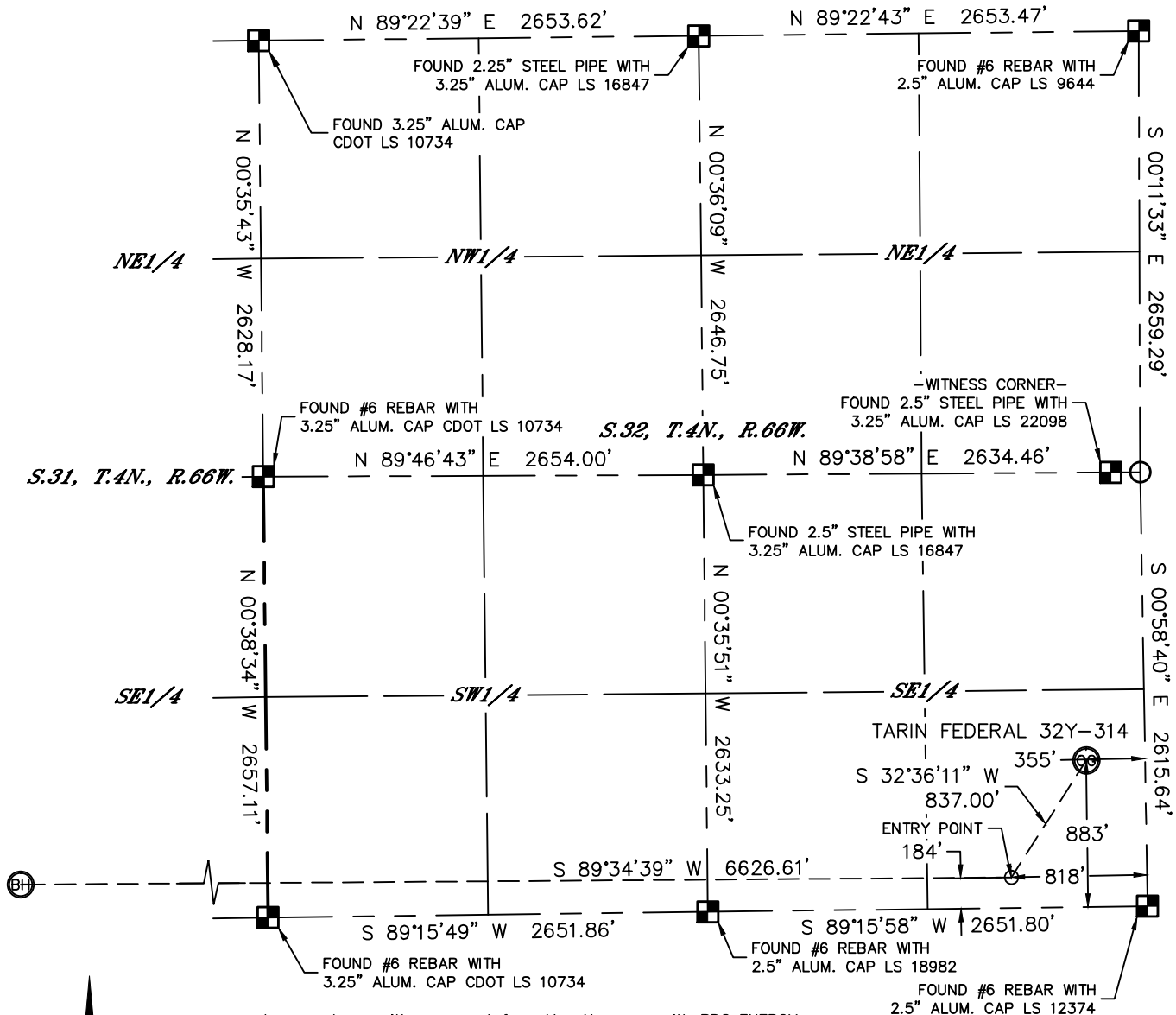


Lat40°, Inc. 1635 Foxtrail Drive, Suite 325 Loveland, CO 970-776-3321

WELL LOCATION CERTIFICATE

THIS MAP DOES NOT REPRESENT A BOUNDARY SURVEY

SECTION: 32
TOWNSHIP: 4N
RANGE: 66W



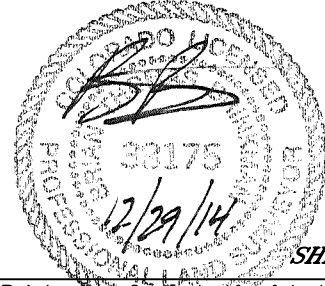
In accordance with a request from Mac Neumann with PDC ENERGY Lat40°, Inc. has determined the surface location of the TARIN FEDERAL 32Y-314 to be 883' from the SOUTH line and 355' from the EAST line as measured at right angles from the section lines of Section 32, Township 4 North, Range 66 West and the bottom hole to be 225' from the SOUTH line and 2142' from the EAST line as measured at right angles from the section lines of Section 31, Township 4 North, Range 66 West of the Sixth Principal Meridian, County of Weld, State of Colorado.

I hereby state that this Well Location Certificate was prepared by me, or under my direct supervision, that the fieldwork was completed on 12/19/2013, for and on behalf of PDC ENERGY. That this 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.

SURFACE LOCATION
LAT: 40.26332N
LONG: 104.79317W
PDOP: 2.8
ELEV: 4776'
1/4, 1/4: SE1/4SE1/4

BOTTOM HOLE
LAT: 40.26140N
LONG: 104.81854W

ENTRY POINT
LAT: 40.26140N
LONG: 104.79481W



SHEET 1 OF 2

NOTE:

- 1) Bearings shown are Grid Bearings of the Colorado State Plane Coordinate System, North Zone, North American Datum 1983/2007. The lineal dimensions as contained herein are based upon the "U.S. Survey Foot."
 - 2) Ground elevations are based on an observed GPS elevation (NAVD 1988 DATUM).
 - 3) IMPROVEMENTS: See LOCATION DRAWING for all visible improvements within 500' of disturbed area.
 - 4) SURFACE USE: PASTURE
 - 5) INSTRUMENT OPERATOR: BRIAN ROTTINGHAUS
- NEAREST CULTURAL ITEMS:
BUILDING: ±546' NW
BUILDING UNIT: ±664' NE
HIGH OCCUPANCY BUILDING UNIT: 5280'+
DESIGNATED OUTSIDE ACTIVITY AREA: 5280'+
PUBLIC ROAD: 351' E (CR29)
ABOVEGROUND UTILITY: 643' NE
RAILROAD: 814' NW
PROPERTY LINE: 355' E

LEGEND

- = ALIQUOT MONUMENT AS DESCRIBED
○ = CALCULATED POSITION

Brian T. Brinkman, on behalf of Lat40°, Inc.
Colorado Licensed Professional
Land Surveyor No. 38175
DATE: 12/29/2014
PROJECT#: 2013166

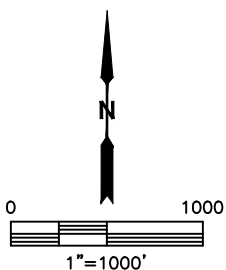
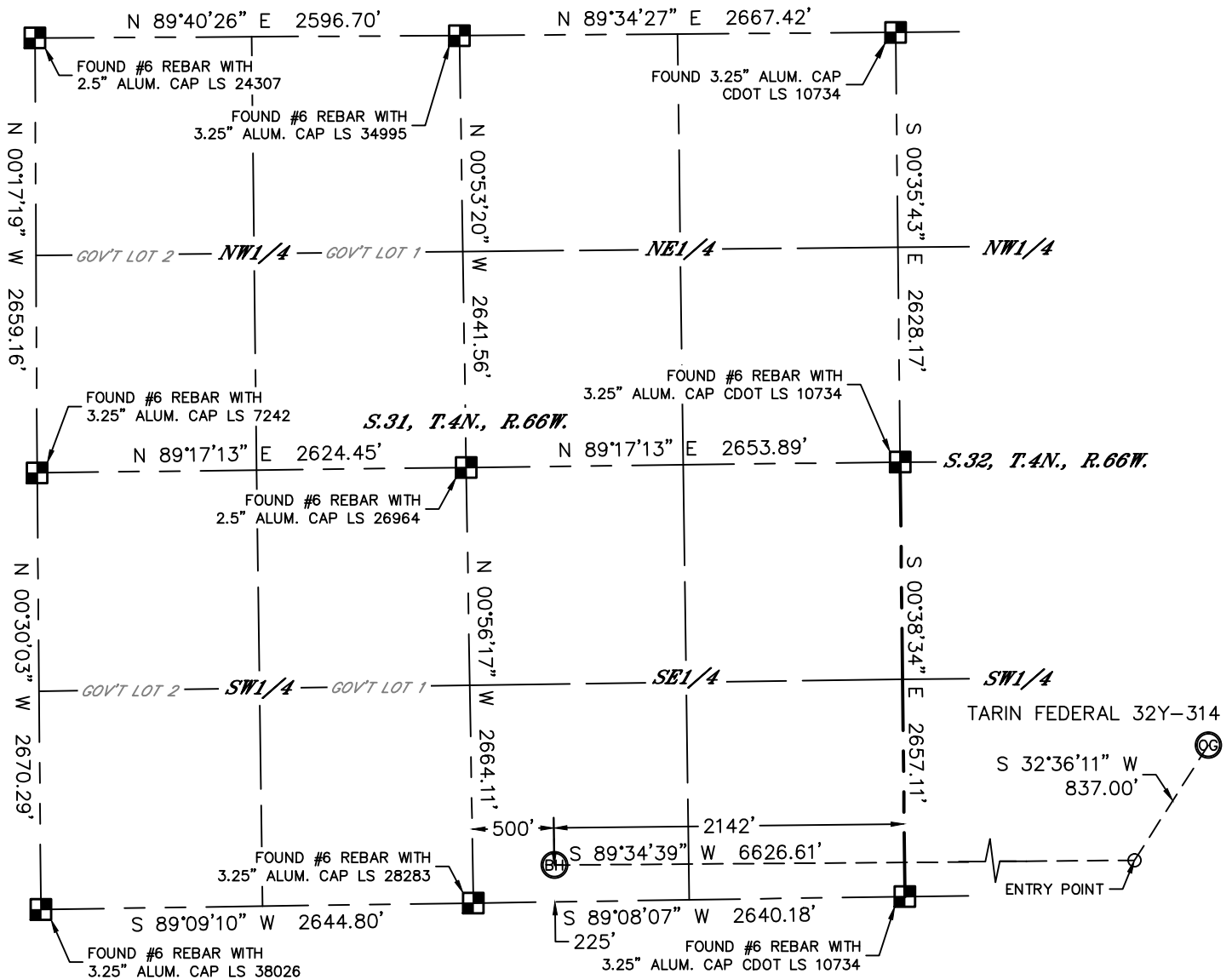


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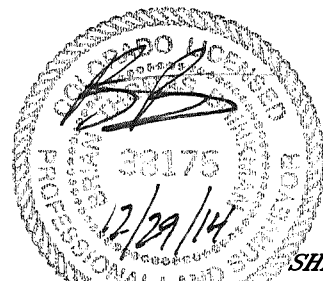
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SHEET 2 OF 2

Brian T. Brinkman, on behalf of Lat40°, Inc.
Colorado Licensed Professional
Land Surveyor No. 38175
DATE: 12/29/2014
PROJECT#: 2013166

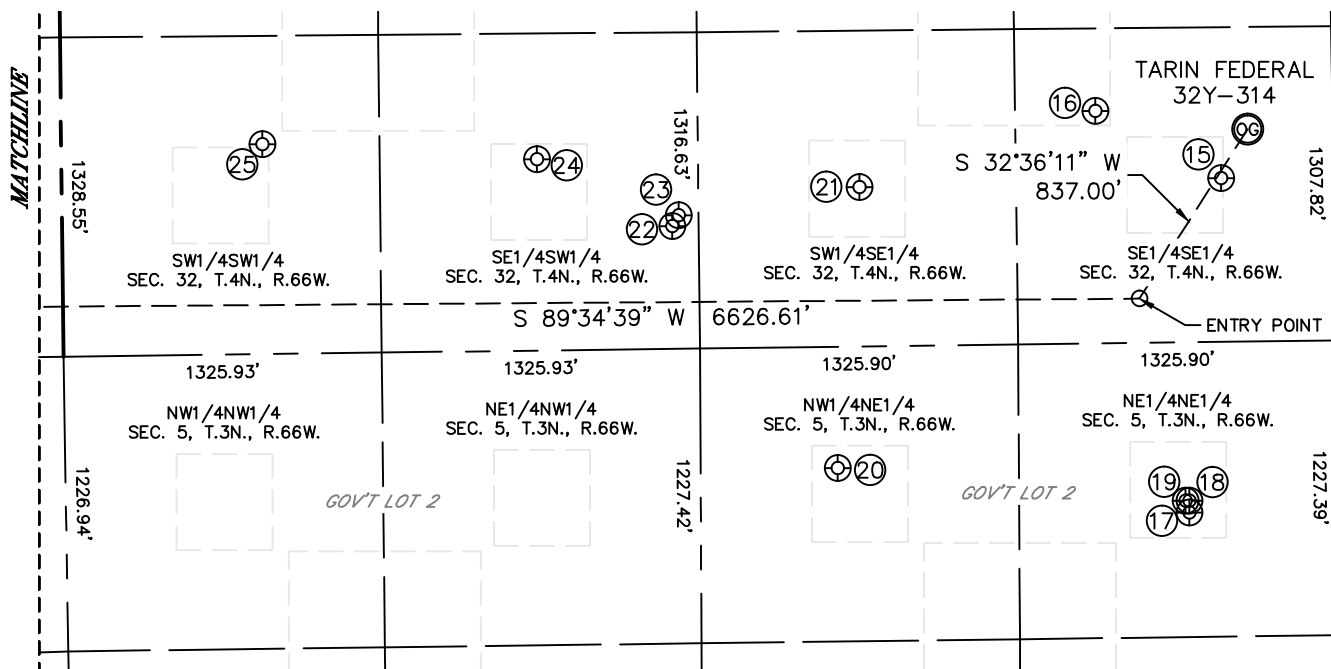


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SITE SKETCH

TARIN FEDERAL 32Y-314

SECTION: 32
TOWNSHIP: 4N
RANGE: 66W





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SITE SKETCH

TARIN FEDERAL 32Y-314

SECTION: 32
TOWNSHIP: 4N
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WELL NO.	WELL NAME	SHL FOOTAGE				SHL LAT°	SHL LONG°	PDOP	ELEV (FT.)	1/4/1/4
1	GREEN VALLEY 6-2	563	FNL	1917	FEL	40.25925	-104.81771	1.7	4779	NWNE
2	GREEN VALLEY L6-1	559	FNL	796	FEL	40.25928	-104.81370	2.0	4779	NENE
3	WOLF 44-31	914	FSL	778	FEL	40.26332	-104.81367	1.9	4775	SESE
4	BENJAMIN 5	923	FSL	742	FEL	40.26335	-104.81354	1.9	4776	SESE
5	NICHOLAS 5	1158	FSL	1042	FEL	40.26399	-104.81461	1.9	4774	SESE
13	FARR FARMS 1	628	FSL	2071	FEL	40.26251	-104.81829	3.7	4778	SWSE
15	GLEN 44-32	681	FSL	470	FEL	40.26276	-104.79357	1.5	4776	SESE
16	FLOYD 5	968	FSL	988	FEL	40.26354	-104.79544	2.1	4771	SESE
17	KERN UPRR 41-5 1	709	FNL	617	FEL	40.25895	-104.79409	1.1	4782	NENE
18	HUNT 27-5	660	FNL	617	FEL	40.25908	-104.79408	1.1	4782	NENE
19	HUNT 21-5	660	FNL	633	FEL	40.25908	-104.79414	1.2	4783	NENE
20	KERN UPRR 31-5 2	506	FNL	2081	FEL	40.25949	-104.79933	1.4	4774	NWNE
21	GLEN 1	663	FSL	1976	FEL	40.26269	-104.79897	1.6	4772	SWSE
22	WOLFE 5	511	FSL	2542	FWL	40.26227	-104.80177	1.6	4772	SESW
23	WOLFE 6I	555	FSL	2570	FWL	40.26239	-104.80167	1.6	4772	SESW
24	WOLFE 1	797	FSL	1982	FWL	40.26304	-104.80378	1.7	4771	SESW
25	WOLFE 14-32	873	FSL	838	FWL	40.26324	-104.80788	1.8	4772	SWSW
37	UPRR 41 PAN AM "J" 1	1120	FSL	1050	FEL	40.26389	-104.81467	N/A	4776	SESE

NOTE: THE ABANDONED WELL DATA SHOWN IN RED ABOVE WAS OBTAINED FROM COGCC SCOUT CARDS.

SHEET 2 OF 2

DATE: 10/8/2014
PROJECT#: 2013166