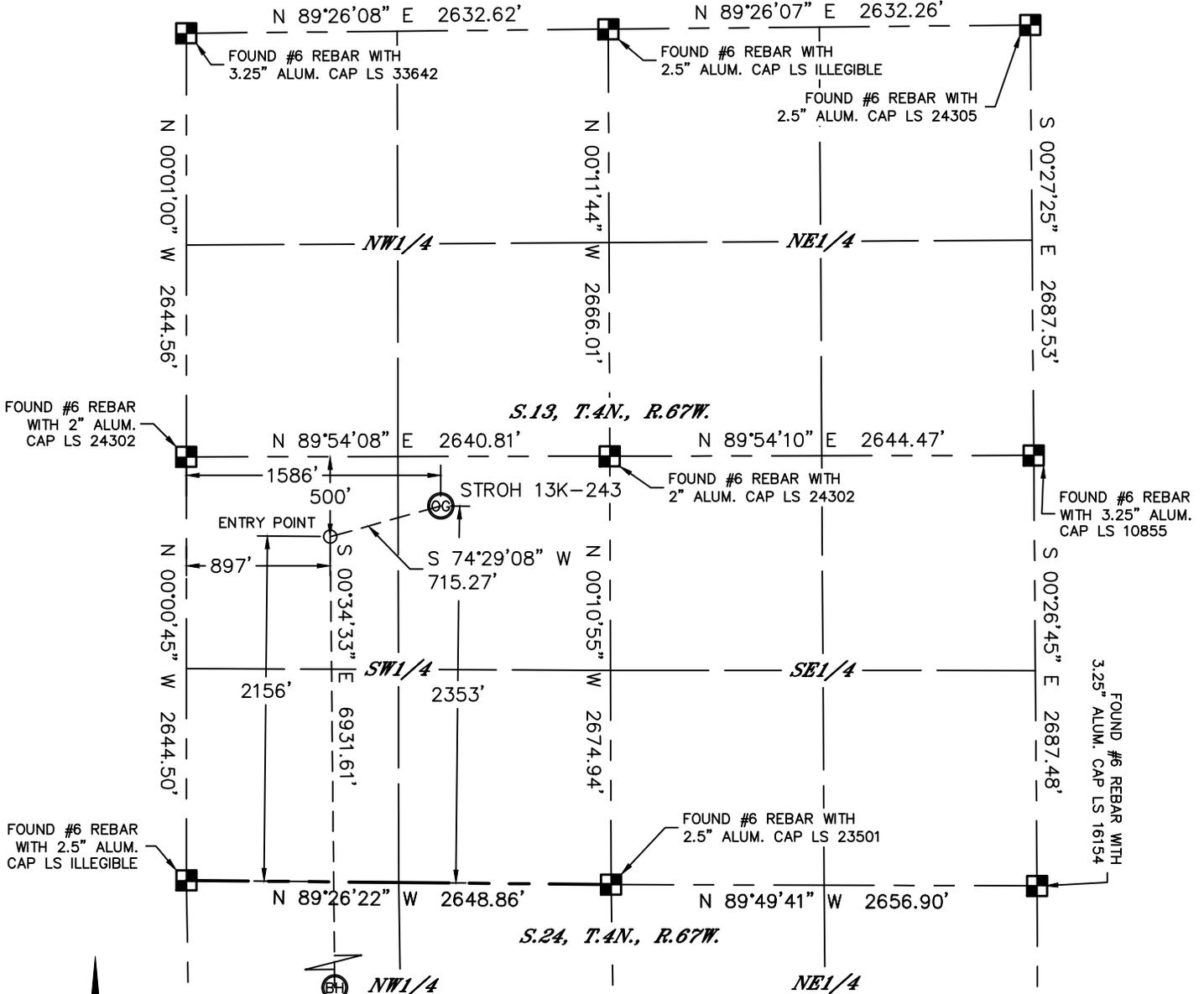




# WELL LOCATION CERTIFICATE

SECTION: 13  
TOWNSHIP: 4N  
RANGE: 67W

THIS MAP DOES NOT REPRESENT A BOUNDARY SURVEY



In accordance with a request from Mac Neumann with PDC ENERGY Lat40°, Inc. has determined the surface location of the STROH 13K-243 to be 2353' from the SOUTH line and 1586' from the WEST line as measured at right angles from the section lines of Section 13, Township 4 North, Range 67 West and the bottom hole to be 500' from the SOUTH line and 897' from the WEST line as measured at right angles from the section lines of Section 24, Township 4 North, Range 67 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 1/24/2014, 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.

- 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: CROP LAND
  - 5) INSTRUMENT OPERATOR: ADAM KELLY
  - 6) NEAREST CULTURAL ITEMS:  
BUILDING: ±2520' NW  
BUILDING UNIT: ±2520' NW  
HIGH OCCUPANCY BUILDING UNIT: ±4855' NE  
DESIGNATED OUTSIDE ACTIVITY AREA: 5280'+  
PUBLIC ROAD: (CR 23) 1563' W  
ABOVEGROUND UTILITY: 1540' W  
RAILROAD: ±2521' SE  
PROPERTY LINE: 310' N

**SURFACE LOCATION**  
LAT: 40.31103°N  
LONG: 104.84297°W  
PDOP: 1.9  
ELEV: 4805'  
1/4,1/4: NE1/4SW1/4

**BOTTOM HOLE**  
LAT: 40.29150°N  
LONG: 104.84538°W  
1/4,1/4: SW1/4SW1/4

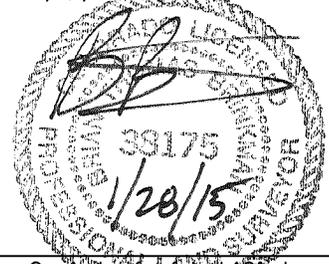
**ENTRY POINT**  
LAT: 40.31052°N  
LONG: 104.84545°W  
1/4,1/4: NW1/4SW1/4

### LEGEND

- = ALIQUOT MONUMENT AS DESCRIBED
- = CALCULATED POSITION

### SHEET 1 OF 2

Brian T. Brinkman—On behalf of Lat40°, Inc.  
Colorado Licensed Professional  
Land Surveyor No. 38175  
DATE: 1/28/2015  
PROJECT#: 2013156





# WELL LOCATION CERTIFICATE

SECTION: 13  
TOWNSHIP: 4N  
RANGE: 67W

THIS MAP DOES NOT REPRESENT A BOUNDARY SURVEY

S 74°29'08" W 715.27' STROH 13K-243

ENTRY POINT

*S.13, T.4N., R.67W.*

*SW1/4*

*SE1/4*

S 89°26'22" E 2648.86'

S 89°49'41" E 2656.90'

FOUND #6 REBAR WITH 2.5" ALUM. CAP LS ILLEGIBLE

FOUND #6 REBAR WITH 3.25" ALUM. CAP LS 16154

FOUND #6 REBAR WITH 2.5" ALUM. CAP LS 23501

N 00°50'00" W 2645.10'

N 00°55'28" W 2630.02'

S 00°12'36" E 2632.37'

*NW1/4*

*NE1/4*

S 00°34'33" E 6931.61'

*S.24, T.4N., R.67W.*

S 89°46'02" E 2652.70'

S 89°46'02" E 2624.13'

FOUND #6 REBAR WITH 2.5" ALUM. CAP LS 24670

FOUND #6 REBAR WITH 2.5" ALUM. CAP LS 16154

N 00°49'10" W 2646.11'

N 00°55'28" W 2619.24'

S 00°12'14" E 2632.45'

*SW1/4*

*SE1/4*

897'  
500'

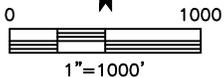
S 89°39'05" W 2657.14'

N 89°27'54" W 2591.34'

FOUND #6 REBAR WITH 3.25" ALUM. CAP LS 16154

FOUND #6 REBAR WITH 2.5" ALUM. CAP LS 28285

FOUND #6 REBAR WITH 3.25" ALUM. CAP LS 4392



### LEGEND

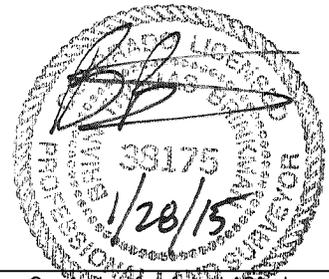
- = ALIQUOT MONUMENT AS DESCRIBED
- = CALCULATED POSITION

**SHEET 2 OF 2**

Brian T. Brinkman—On behalf of Lat40°, Inc.

Colorado Licensed Professional Land Surveyor No. 38175

DATE: 1/28/2015  
PROJECT#: 2013156

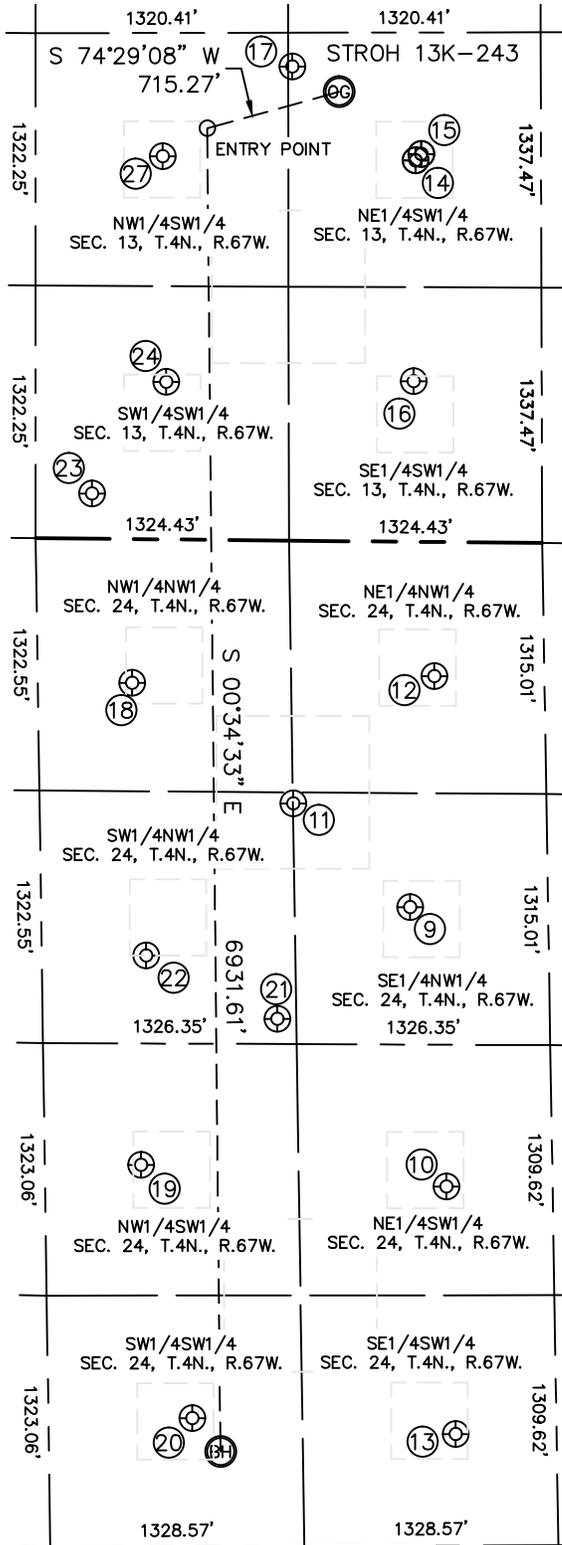




# SITE SKETCH

STROH 13K-243

SECTION: 13  
TOWNSHIP: 4N  
RANGE: 67W



WELL NO.	WELL NAME	SHL FOOTAGE				SHL LAT°	SHL LONG°	PDOP	ELEV (FT.)	1/4/1/4
		FNL	FSL	FNL	FSL					
9	ORR 24-1	1915	1882	1926	1927	40.29930	-104.84175	1.8	4727	SENW
10	RORY 1	1882	1882	2097	2097	40.29529	-104.84111	1.6	4728	NESW
11	STROH 5	1377	1377	1326	1326	40.30081	-104.84393	1.5	4802	SESW
12	STROH 24-21	703	584	2073	2127	40.30262	-104.84127	1.5	4749	NENW
13	JOHNSTON 1	1997	1997	1987	1987	40.29173	-104.84097	1.9	4729	SESW
14	UPRC 13-11E	2031	2031	2017	2017	40.31004	-104.84155	1.7	4808	NESW
15	STROH 013-21D	840	2482	1977	1342	40.31013	-104.84144	1.5	4808	NESW
16	ALLEN 1	754	2005	1977	1342	40.30686	-104.84161	2.0	4805	SESW
17	STROH 0 13-20	677	2505	1327	1342	40.31140	-104.84385	2.8	4809	NESW
18	STROH 24-22	2181	236	492	492	40.30256	-104.84693	2.0	4819	NWNNW
19	MATT 1	825	2006	502	502	40.29563	-104.84683	2.4	4729	NWWSW
20	SOPHIE 1	2006	2006	752	752	40.29199	-104.84591	2.1	4732	SWSW
21	RORY 1-7I	2505	2181	1227	1227	40.29772	-104.84426	1.8	4726	SWNNW
22	STROH 24-12	2181	236	546	546	40.29864	-104.84670	1.7	4813	SWNNW
23	STROH PC 013-79HN	825	2006	294	294	40.30528	-104.84766	3.1	4844	SWSW
24	UPRC 13-13E	825	2006	683	683	40.30688	-104.84625	1.6	4836	SWSW
27	UPRC 13-12E	2006	2006	664	664	40.31012	-104.84629	2.0	4816	NWWSW

