Lat40°, Inc. 1635 Foxtrail Drive, Suite 325 Loveland, CO 970-776-3321 WELL LOCATION CERTIFICATE THIS MAP DOES NOT REPRESENT A BOUNDARY SURVEY LAT: 40.45073°N LONG: 104.92650°W N 89'37'24" E 2598.04' N 89'37'33" E 2598.06' LONG: 104.90784°W FOUND #6 REBAR WITH POSITION FROM 3.25" ALUM. CAP LS 31169 RECORD SURVEYS LOCATION IN LAKE FOUND #6 REBAR WITH 2.5" ALUM. CAP LS 31169 12 z l 1980' FOUND #6 REBAR WITH 1980 ALUM. CAP LS 37911 58 NE1/4 ≤ TARGET #1 269 N 89'37'28" E 440.70' 169 4586.86 N 89*37'28" E 68 29 460' TARGET #2 TARGET #3 FOUND 2.5" BRASS CAP MARKED "+" IN CONCRETE S.32, T.6N., R.67W. N 16°29'56" W 1177.62' N 89°37'36" E 2381.02 N 89°37'57" Ε 2669.68 PAVISTMA 10 6 FOUND #6 REBAR WITH 3.25" ALUM. CAP LS 33642 -138.17' WITNESS CORNER-FOUND 2.5" PIPE WITH 263' Z 3.25" ALUM. CAP LS 20685 Z 06.07 04.37 SE1/4 SW1/4 ≤ 2269 2697 FOUND #6 REBAR WITH 3.25" ALUM. CAP LS 23520 LAT: 40.43597°N LONG: 104.92507°W S 89°23'11" 2766.55 S 89°23'31" W 2740.25 FOUND #6 REBAR WITH FOUND 2.5" PIPE WITH 3.25" ALUM. CAP LS 22098 2.5" ALUM. CAP LS 38175

In accordance with a request from $\underline{\text{Michael Cuba}}$ with $\underline{\text{TEKTON ENERGY, LLC}}$ Lat40°, Inc. has determined the surface location of the PAVISTMA 10 #1-3-32-090-8-CH to be 2269' from the SOUTH line and 263' from the WEST line as measured at right angles from the section lines of Section 32, Township 6 North, Range 67 West and the bottom hole to be 1980' from the NORTH line and 460' from the EAST line as measured at right angles from the section lines of Section 33, Township 6 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 11/14/2012, for and on behalf of TEKTON ENERGY, LLC 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.

1"=1000

- 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 <u>LOCATION DRAWING</u> for all visible improvements within 400' of disturbed area.
- 4) SURFACE USE: EX. WELL PAD / CROPLAND

1000

5) INSTRUMENT OPERATOR: BRIAN ROTTINGHAUS

According to Colorado law, you must commence any legal action based upon any defect in this W.L.C. within three years after you discover such defect. In no event, may any action based upon any defect in this survey be commenced more than ten years after the date of the certificate shown hereon. (13-80-105 C.R.S.)



= CALCULATED POSITION

SURFACE LOCATION LAT: 40.44219 N LONG: 104.92473 W PDOP: 1.8 FLFV: 4957 1/4,1/4: NW1/4SW1/4 NEAREST PROPERTY LINE: 263' W

TARGET #3 LAT: 40.44530°N TARGET #1 LAT: 40.44530°N LAI: 40.44530N LAI: 40.44530N LONG: 104.92590'W LONG: 104.90784'W

TARGET #2 LAT: 40.44530'N LONG: 104.92432'W

SHEET 1 OF 2 Brian T. Brinkman-On behall

Colorado Licensed Professional Land Surveyor No. 38175

BOTTOM HOLE

LAT: 40.44528°N

PROJECT#: 2011316

TOWNSHIP: 6N RANGE: 67W

S.33, T.6N., R.67W.

LAT: 40.43603°N

LONG: 104.90529°W

Lat40°, Inc. 1635 Foxtrail Drive, Suite 325 Loveland, CO 970-776-3321 WELL LOCATION CERTIFICATE TOWNSHIP: 6N RANGE: 67W THIS MAP DOES NOT REPRESENT A BOUNDARY SURVEY FOUND #6 REBAR WITH 2.5" ALUM. CAP LS 31169 FOUND #6 REBAR WITH 3.25" ALUM. CAP LS ILLEGIBLE POSITION FROM RECORD SURVEYS LOCATION IN LAKE LAT: 40.45071°N LONG: 104.88917°W LAT: 40.45073°N LONG: 104.90784°W N 89°43'22" E 2598.16' N 89°41'07" E 2598.85' FOUND #6 REBAR WITH 2.5" ALÜM. CAP LS 37911 00'14'18" 1980' 1980' NW1/4 NE1/4 2631.66 .29 N 89°42'08" E 4733.30 TARGET #3 S.33, T.6N., R.67W. S.32, T.6N., R.67W. N 89°02'45" E 2252.65 N 89°02'45" E 2884.06 FOUND #6 REBAR WITH 2.5" ALUM. CAP LS 38065 FOUND 2.5" BRASS CAP MARKED "+" IN CONCRETE **** ω PAVISTMA 10 z١ 14.11.08" SE1/4 SW1/4 FOUND #6 REBAR WITH 3.25" ALUM. CAP LS 22098 FOUND #6 REBAR WITH 2.5" ALUM. CAP LS 38175 2512.36' S 89°20'28" W S 89°20'32" W 2570.82' LAT: 40.43603°N FOUND 2.5" BRASS CAP LONG: 104.90529 W LAT: 40.43609°N IN CONCRETE LONG: 104.88704°W 1000 1"=1000'

According to Colorado law, you must commence According to Colorado law, you must commence any legal action based upon any defect in this W.L.C. within three years after you discover such defect. In no event, may any action based upon any defect in this survey be commenced more than ten years after the date of the certificate shown hereon. (13-80-105 C.R.S.)

LEGEND = ALIQUOT MONUMENT AS DESCRIBED = CALCULATED POSITION

SHEET 2 OF 2
Brian T. Brinkman-On bear Colorado Licensed Profession Land Surveyor No. 38175

SHEET 2 OF 2

DATE: 11/20/2012 PROJECT#: 2011316