TOPOGRAPHIC LAND SURVEYORS

6709 NORTH CLASSEN BLVD., OKIA. CITY, OKIA. 73116 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219

Certificate of Authorization No. LS-99, Exp. Dec. 31, 2015 BARBER _ County, Kansas 220'FNL - 870'FEL 35S _10W_P.M. _ Section Township __ Range X= 2025946 Y= 134368 T345-R10W Township Line-P 7355-R10W LOT 1 X= 2023278 Y= 134382 2028615 134398 LOT 2 330' HARDLINE OLD INDIAN TREATY BOUNDARY 1799 OF. 100 P LOT 6 LOT 4 1888 1000 (2420' the st S/2-NE/4 lo de lo S/2-NW/4 X= 2023286 Y= 131707 QGR405 2-N-5 1958 BOTTOM HOLE 330'FSL-660'FEL NAD-27 (US Feet) 37'01'19.7" N 98'24'15.2" W 37.022127341' N 58.404222796' W X=2027964 Y=129446 GRID NAD-27 KS SOUTH US Feet Note: 3.280833 Ft.=1 Meter Scale: 1"= 1000' 500 1000 X= 2028624 Y= 129122 X= 2023294 Y= 129071 Distances shown in (parenthesis) are calculated based upon the Quarter Section being 2640 feet, those shown in [brackets] are based on GLO (General Land Office) distances and have NOT been measured on the ground. BOTTOM HOLE AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED. Operator: TAPSTONE ENERGY **ELEVATION:** Lease Name: HARRY 4-35-10 Well No.: ___ 1H 1296' Gr. at Stake Topography & Vegetation Loc. fell in level wheat field, ±240' West of N-S fence Reference Stakes or Alternate Location Yes Good Drill Site? ___ None Stakes Set . Best Accessibility to Location ____ From North off county road Distance & Direction From Kiowa, KS, go ±3.5 mi. East, then ±1.25 mi. North, from Hwy Jct or Town_ then ±1.0 mi. East to the NE Cor. of Sec. 4-T35S-R10W DATUM: NAD-27 Revision X A Date of Drawing: Aug. 04, 2014 Invoice # 227934A Date Staked: Jul. 24, 2014 AC LAT: 37'02'06.4"N LONG: 98'24'17.8"W **CERTIFICATE:** LAT: <u>37.035098894</u> N Lee K. Goss _a Kansas Licensed Land LONG: 98.404953400' W Surveyor and an authorized agent of Topographic Land STATE PLANE Surveyors, do hereby certify to the information COORDINATES: (US Feet) shown herein ZONE: KS SOUTH AND X: 2027746 Y: 134169