TOPOGRAPHIC LAND SURVEYORS

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

Certificate of Authorization No. LS-99, Exp. Dec. 31, 2013

HARPER

County, Kansas _ County, Kansas 6W_P.M. 250'FNL-1090'FEL Section _ 33 Township 33S Range IRON ROD X= 2155704 Y= 172104 IRON ROD X= 2150408 Y= 172026 11 (1550') 330' HARDLINE 1090 (2390') OGRAD' %_N_% 1959 33 HARDLINE HARDLINE CREEK GRID NAD-27 Kansas South 330 US Feet Bottom Hole 330'FSL-1980'FEL NAD-27 (US Feet) 37:07'28.3"N 97:58'21.2"W 37.124516918'N 97.972562960'W X= 2153784 Y= 167147 Note: 3.280833 Ft.=1 Meter (2310') Scale: 1"= 1000' 500' 1000 (660') 1980' IRON ROD X= 2155768 Y= 166848 330' HARDLINE IRON ROD X= 2150473 Y= 166766 Township Line P | T335-R6W T345-R6W 3.30 Bottom Hole Information Provided by Operator Listed, NOI Surveyed. Corner Coordinates are Taken from Points Surveyed in the Field. A boundary survey of the said section(s) shown hereon was <u>not</u> performed per the request of the operator shown hereon. 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 NOI been measured on the ground. Operator: SANDRIDGE EXPLORATION & PRODUCTION, LLC **ELEVATION:** Well No.: 2-33H Lease Name: CHARLES 3306 1309' Gr. at level pad Topography & Vegetation Loc. fell on level pad Reference Stakes or Alternate Location Good Drill Site? _____Yes None Stakes Set _ Best Accessibility to Location _____From North off County Road. Distance & Direction From Anthony, KS, go ±3.5 mi. East on St. Hwy. 44, then ±1.0 mi. from Hwy Jct or Town_ South to the NE Corner of Section 33-T33S-R6W. Jan. 8, 2014 Date of Drawing: _ DATUM: NAD-27 Invoice # 214266A Date Staked: Nov. 25, 2013 SM LAT: 37'08'14.6"N LONG: 97'58'10.6"W **CERTIFICATE:** LAT: <u>37.137385375*N</u> T. Wayne Fisch _a Kansas Licensed Land -1213 LONG: 97.969614427°W Surveyor and an authorized agent of Topographic Land STATE PLANE Surveyors, do hereby certify that the above described NO SURVE COORDINATES: (US Feet) well location was surveyed and staked on the ground ZONE: KS SOUTH as shown herein.

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