

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, 2015

HARPER

County, Kansas

330'FSL-1560'FEL Section 1 Township 35S Range 9W P.M.

TOPOGRAPHIC
 EST. 1938

GRID
 NAD-27
 Kansas South
 US Feet

Note:
 3.280833 Ft. = 1 Meter
 Scale:
 1" = 1000'
 0' 500' 1000'

X= 2071473
 Y= 131912

X= 2076798
 Y= 131898

A boundary survey of the said section(s) shown hereon was not performed per the request of the operator shown hereon.

X= 2071486
 Y= 129266

X= 2074143
 Y= 129265

X= 2076798
 Y= 129256

PENETRATION POINT (4980' MD)
 219'FNL-1567'FEL (SEC 12)
 219'FNL-1088'FWL (UNIT LINE)
 37.020772044° N
 98.242335643° W
 X= 2075231
 Y= 129042

TOP PERF (5175' MD)
 403'FNL-1582'FEL (SEC 12)
 403'FNL-1071'FWL (UNIT LINE)
 37.020267857° N
 98.242391441° W
 X= 2075216
 Y= 128858

TOP PERF
 5400' MD

Chain Land 3509 1-2H (As-Drilled)

Rosseau 13-35-9 1H (As-Drilled)

Operator: TAPSTONE ENERGY
 Lease Name: ROSSEAU 13-35-9

Well No.: 1H

ELEVATION:
 1249' Gr. at Stake

X= 2071526
 Y= 123973

X= 2076792
 Y= 123975

BOTTOM PERF
 11500' MD

BOTTOM HOLE (12920' MD)
 371'FSL-1997'FEL (SEC 13)
 371'FSL-637'FWL (UNIT LINE)
 36°59'56.6" N
 98°14'38.0" W
 36.999047910° N
 98.243876906° W
 X= 2074803
 Y= 121130

X= 2071546
 Y= 120748

X= 2076801
 Y= 120766

HARPER CO. State Line

KANSAS OKLAHOMA

Topography & Vegetation Loc. fell at level existing pad, ±7' West & 8' East of cellar

Good Drill Site? Yes No

Reference Stakes or Alternate Location
 Stakes Set None Other

Best Accessibility to Location From South off lease road

Distance & Direction From Jct. of St. Hwy 58 & Oklahoma & Kansas State Line, go North 0.75 mi. on county road to new lease road, then go East ±2.1 mi. NE-E on lease road to SW corner of Section 1-T35S-R9W

DATUM: NAD-27
 LAT: 37°01'20.2"N
 LONG: 98°14'32.3"W
 LAT: 37.022282330° N
 LONG: 98.242306710° W
 STATE PLANE
 COORDINATES: (US Feet)
 ZONE: KS SOUTH
 X: 2075238
 Y: 129592

Invoice # 220484 Date Staked: Apr. 16, 2014 228834 Aug. 13, 2014 JP

FINAL AS-DRILLED PLAT

AS-DRILLED INFORMATION
 FURNISHED BY TAPSTONE ENERGY

This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy.