

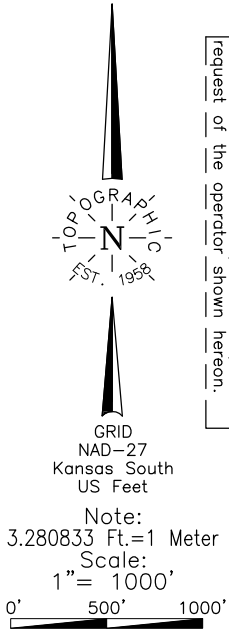
TOPOGRAPHIC LAND SURVEYORS

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

225'FSL-911'FWL Section 1 Township 35S Range 9W P.M.



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

X= 2071473
Y= 131912

X= 2076798
Y= 131898

X= 2071486
Y= 129266

PENETRATION POINT
(5118' MD) SEC 12
522'FNL-882'FWL
37.019975540° N
98.252132811° W
X= 2072372
Y= 128744

X= 2074143
Y= 129265

X= 2076798
Y= 129256

TOP PERF (5400' MD)
799'FNL-865'FWL SEC 12
37.019212495° N
98.252186378° W
X= 2072357
Y= 128466

X= 2071526
Y= 123973

X= 2076792
Y= 123975

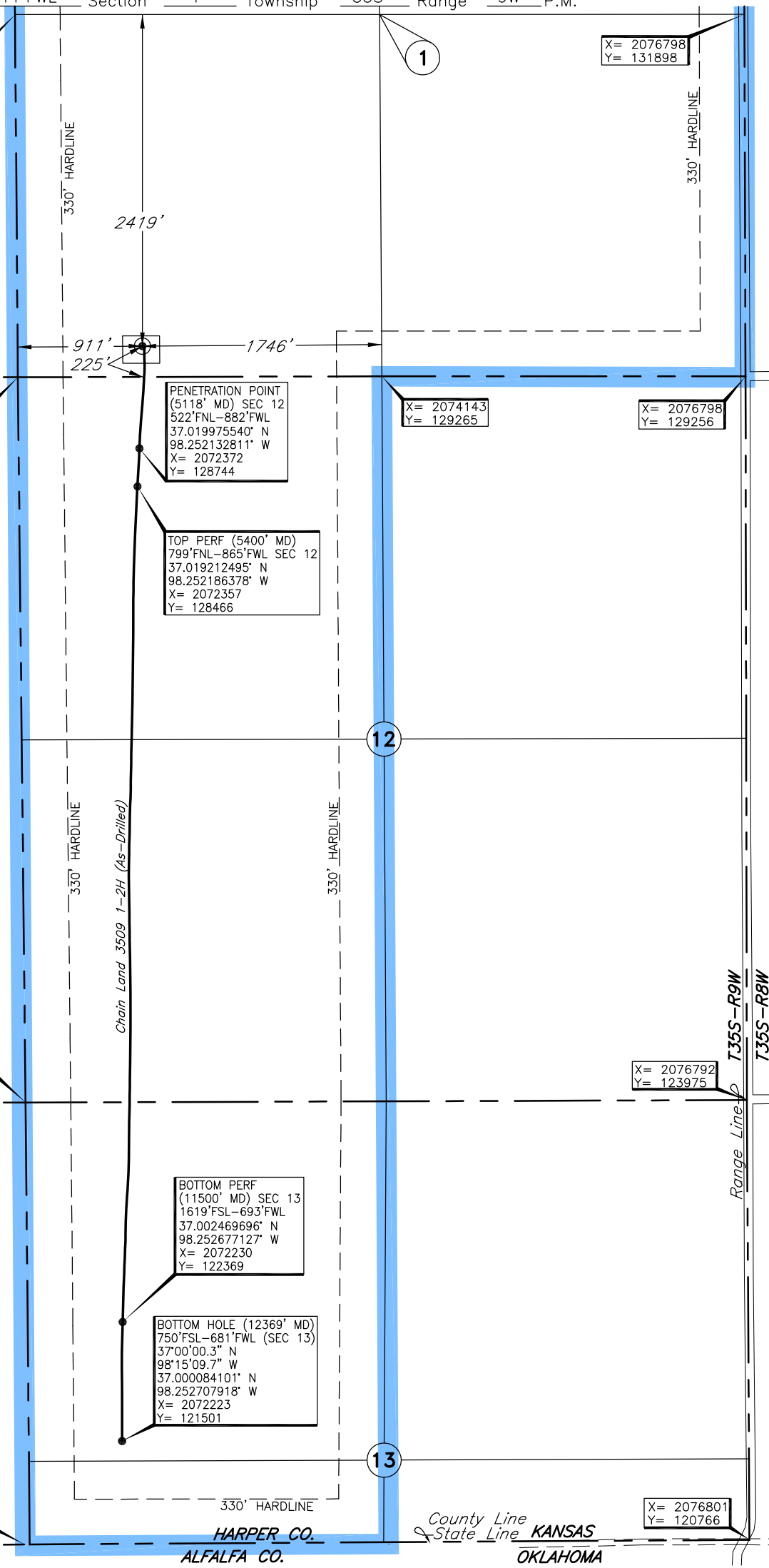
BOTTOM PERF
(11500' MD) SEC 13
1619'FSL-693'FWL
37.002469696° N
98.252677127° W
X= 2072230
Y= 122369

BOTTOM HOLE (12369' MD)
750'FSL-681'FWL (SEC 13)
37°00'00.3" N
98°15'09.7" W
37.000084101° N
98.252707918° W
X= 2072223
Y= 121501

X= 2071546
Y= 120748

X= 2076801
Y= 120766

Operator: TAPSTONE ENERGY
 Lease Name: CHAIN LAND 3509
 Topography & Vegetation: Loc. fell at level existing pod ± 110' SW of existing well head
 Well No.: 1-2H
 ELEVATION: 1250' Gr. at level pod
 Good Drill Site? Yes
 Reference Stakes or Alternate Location: Stakes Set None
 Best Accessibility to Location: From South off lease road
 Distance & Direction from Hwy Jct or Town: From Jct. of St. Hwy 58 & Oklahoma & Kansas State Line, go North 0.75 mi. on St. Hwy 58 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°01'19.3" N
 LONG: 98°15'07.4" W
 LAT: 37.022025199° N
 LONG: 98.252043197° W
 STATE PLANE COORDINATES: (US Feet)
 ZONE: KS SOUTH
 X: 2072396
 Y: 129490

227364 Date of Drawing: Jul. 16, 2014
 Invoice # 220478 Date Staked: Apr. 16, 2014 JP

FINAL AS-DRILLED PLAT

AS-DRILLED INFORMATION
 FURNISHED BY TAPSTONE ENERGY