

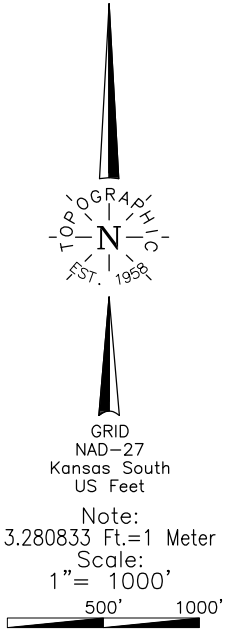
TOPOGRAPHIC LAND SURVEYORS

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

200'FNL-1590'FEL Section 27 Township 34S Range 9W P.M.



X 2060530
Y 150488

X 2063192
Y 150484

X 2065854
Y 150481

BOTTOM HOLE (9380' MD)
 389'FNL-1955'FEL (SEC 22)
 389'FNL-707'FWL (UNIT LINE)
 37°04'43.2" N
 98°16'51.4" W
 37.078670801° N
 98.280955768° W
 X= 2063906
 Y= 150094

X 2060570
Y 147834

X 2065902
Y 147839

PENETRATION POINT (4912' MD)
 475'FSL-1646'FEL (SEC 22)
 475'FSL-1024'FWL (UNIT LINE)
 37.066460674° N
 98.279646723° W
 X= 2064298
 Y= 145650

TOP PERF (5070' MD)
 628'FSL-1658'FEL (SEC 22)
 628'FSL-1013'FWL (UNIT LINE)
 37.066881366° N
 98.279694150° W
 X= 2064284
 Y= 145803

X 2060609
Y 145167

X 2063282
Y 145173

X 2065954
Y 145179

200'FNL-1590'FEL

X 2060647
Y 142520

X 2065999
Y 142540

ELEVATION:
 1269' Gr. at stake

X 2060685
Y 139875

X 2063365
Y 139887

X 2066044
Y 139901

Operator: TAPSTONE ENERGY
 Lease Name: ROBERTS 22-34-9
 Topography & Vegetation: _____
 Location fell in level pasture ±230' West of fence N-S & 210' East of low drainage area.
 Well No.: 1H
 Good Drill Site? Yes
 Best Accessibility to Location From North off county road.
 Distance & Direction From Road 295 at State Line, go North ±4.5 miles, then ±1 mile East from Hwy Jct or Town to the NE corner of Section 27, T34S-R9W.
 Reference Stakes or Alternate Location None
 Stakes Set _____

DATUM: NAD-27
 LAT: 37°03'52.6"N
 LONG: 98°16'45.9"W
 LAT: 37.064607582°N
 LONG: 98.279414772°W
 STATE PLANE COORDINATES (US FEET):
 ZONE: KS SOUTH
 X: 2064367
 Y: 144975

236892 Date of Drawing: Dec. 01, 2014
 Invoice # 230410 Date Staked: Sep. 25, 2014 JP

FINAL AS-DRILLED PLAT

AS-DRILLED INFORMATION
 FURNISHED BY TAPSTONE ENERGY