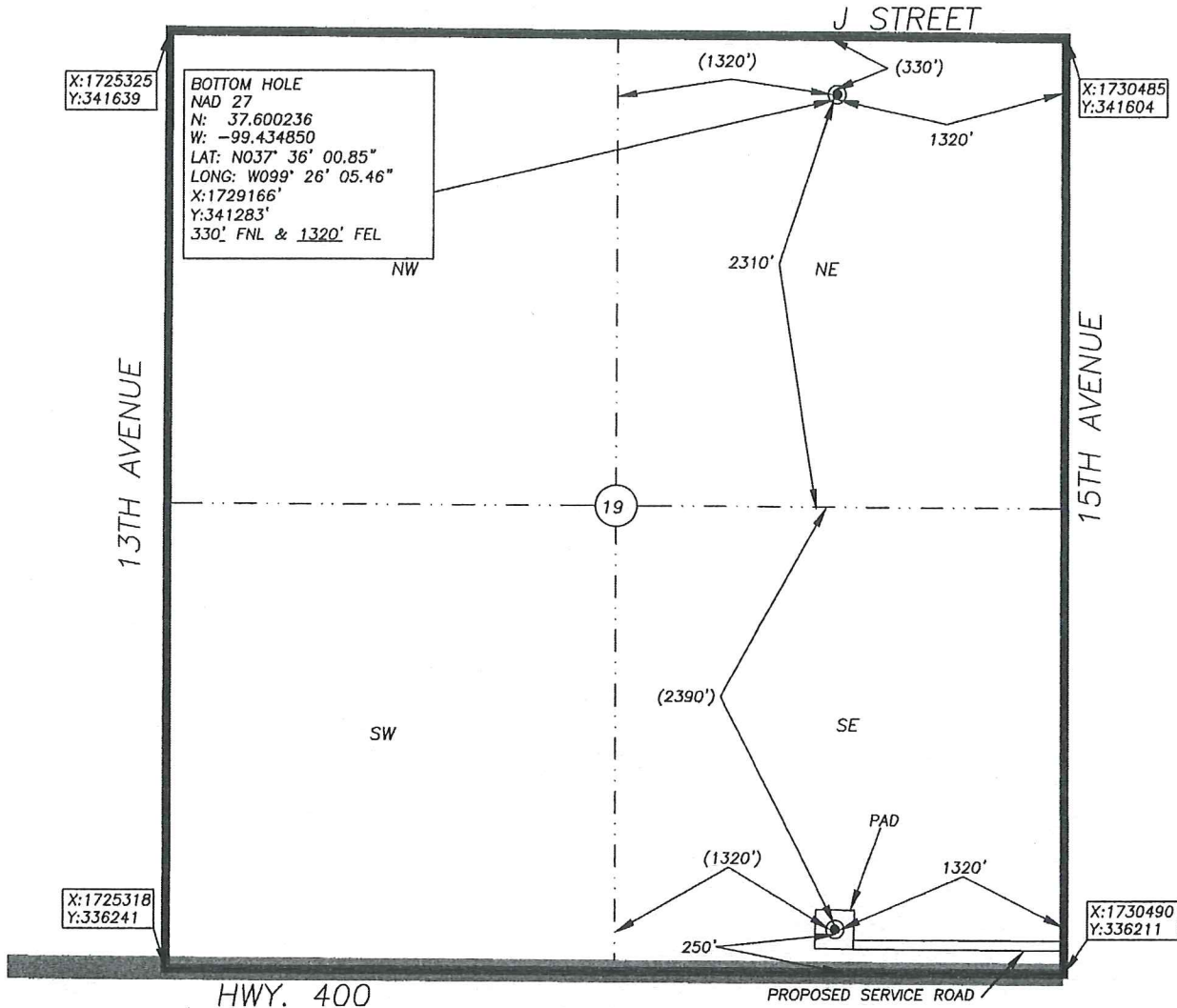


# BHC RHODES

CIVIL ENGINEERS • SURVEYORS  
 901 N. 8th Street, Suite 100 Kansas City, KS 66101 \* p. (913) 371-5300 \* f. (913) 371-2677  
 BHC RHODES is a trademark of Brungardt Honomichl & Company, P.A.

KIOWA County, Kansas 250' FSL & 1320' FEL Section 19 Township 28S Range 19W 6th P.M.



BOTTOM HOLE INFORMATION PROVIDED BY OPERATOR LISTED, NOT STAKED. SECTION COORDINATES ARE BASED ON OBSERVED POSSESSION EVIDENCE. DISTANCES SHOWN IN (PARENTHESIS) ARE CALCULATED BASED UPON THE QUARTER SECTION BEING 2640.00 FEET AND HAVE NOT BEEN MEASURED ON THE GROUND. PAD AND SERVICE ROAD LOCATIONS ARE SHOWN FOR GRAPHIC PURPOSES ONLY AND ARE NOT TO SCALE.

OPERATOR: SANDRIDGE EXPLORATION AND PRODUCTION, I.L.C.  
 LEASE NAME: ELIZABETH 2819 WELL NO: 1-19H  
 TOPOGRAPHY & VEGETATION: AGRICULTURAL-DRYLAND CROPS

**ELEVATION:**  
2312

REFERENCE STAKES OR ALTERNATE LOCATION  
 GOOD DRILL SITE?        STAKES SET:         
 BEST ACCESSIBILITY TO LOCATION: FROM THE WEST ON PAVED ROAD  
 DISTANCE & DIRECTION FROM HWY JCT OR TOWN: FROM THE CITY OF MULLINVILLE, EAST ON HWY. 400 FOR ±2.2 MILES TO SITE ON THE LEFT (NORTH)

SURFACE WELL DATA TABLE	
DATUM:	<u>NAD27</u>
LAT:	<u>37.587014931</u>
LONG:	<u>-99.434669161</u>
LAT:	<u>N037° 35' 13.25"</u>
LONG:	<u>W099° 26' 04.81"</u>
STATE PLANE	
COORDINATES: (U.S. FEET)	
ZONE:	<u>KS SOUTH 1502</u>
X:	<u>1729169.6060</u>
Y:	<u>336468.7030</u>

DATE STAKED: 2013-10-26  
 DATE OF DRAWING: 2013-12-18

**CERTIFICATE:**  
 I, MICHAEL D. KLEIN A KANSAS LICENSED LAND SURVEYOR AND A AUTHORIZED AGENT OF BHC RHODES, DO HEREBY CERTIFY THAT THE SURFACE WELL LOCATION DESCRIBED HEREON WAS STAKED AT THE COORDINATES SHOWN IN THE DATA TABLE.

KANSAS LIC. NO. 778



BHC Rhodes Job No.: 016.330.01.87  
 Field Office: MJR

Target Line	
TVD @ 0' VS	4,935
INC	90.35

Footages	
FNL	330
FSL	250

Total VS	4,700.00
EOC (MD)	5,358.18
EOC (TVD)	4,930.01
KOP	4,040.40
Traverse Length	3,882.69
TD (MD)	9,240.87
TVD @ TD	4,906.29
TVD displacement f/ EOC to TD	23.72

Operator

SandRidge Energy

Well Name and Number

Elizabeth 2819 1-19H

Well Surface Location

19-T28S-R19W;250' fsl & 1320' fel

Well Bottom Hole Location

19-T28S-R19W;330' fnl & 1320' fel

County and State

Kiowa County, Kansas

South to North (~000 Azimuth)

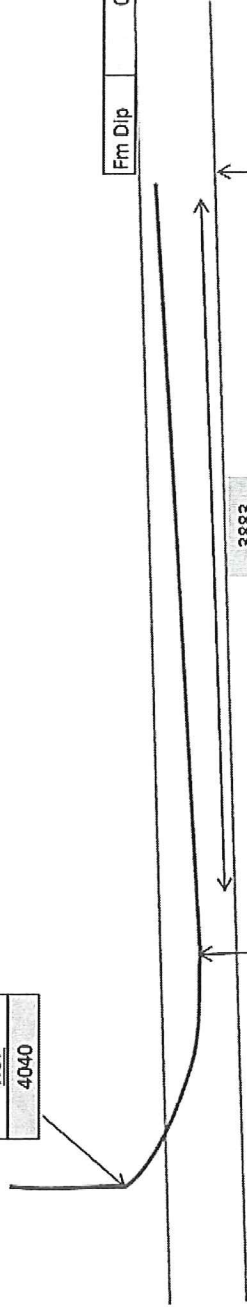
KOP	4040
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Fm Dip	0.50
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EOC	5358
TMD	4930

TD	9241
TVD	4906

3883  
Traverse Length



**Elizabeth 2819 1-19 & 1-19H**  
**Lease Information Sheet**

**Unit Description:**

All of Section 19, T28S-R19W

Kiowa County, KS

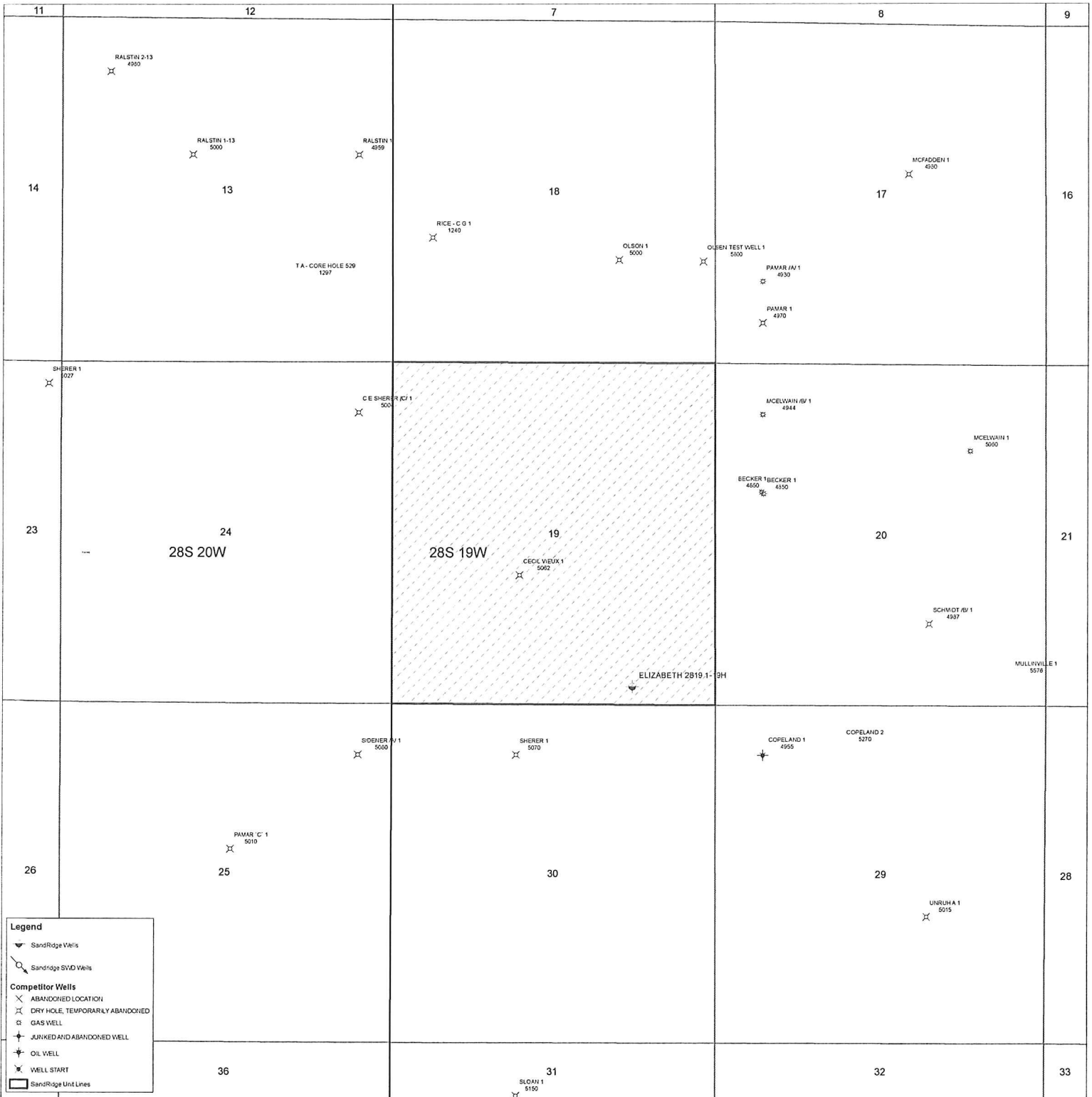
**Surface Owner:**

Vasher Land Syndicate

Atten: Paul Sherer

PO Box 54

Mellenville, KS 67109



# Elizabeth 2819 1-19 & 1-19H

