

OKLAHOMA CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
P.O. BOX 52000
OKLAHOMA CITY, OK 73152-2000
(Rule 165:10-3-1)

API NUMBER: 071 24913 A

Approval Date: 11/26/2019
Expiration Date: 05/26/2021

Straight Hole Oil & Gas

Amend reason: CHANGE SHL

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 33 Twp: 25N Rge: 1E

County: KAY

SPOT LOCATION: ☐ NE ☐ SE ☐ NW ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 1700 1255

Lease Name: WYCKOFF

Well No: 33-4

Well will be 1255 feet from nearest unit or lease boundary.

Operator Name: SNR NORTHERN OKLAHOMA OPERATING LLC

Telephone: 4056085610

OTC/OCC Number: 24280 0

SNR NORTHERN OKLAHOMA OPERATING LLC
PO BOX 18251
OKLAHOMA CITY, OK 73154-0251

TOM WYCKOFF
4427 WEST WHITE EAGLE ROAD
PONCA CITY OK 74601

Formation(s) (Permit Valid for Listed Formations Only):

	Name	Depth		Name	Depth
1	LAYTON	3160	6	WOODFORD	4620
2	CLEVELAND	3390	7	HUNTON	4660
3	OSWEGO	3830	8	VIOLA	4680
4	MISSISSIPPI CHAT	4330	9		
5	MISSISSIPPI LIME	4410	10		

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 5000

Ground Elevation: 1100

Surface Casing: 260

Depth to base of Treatable Water-Bearing FM: 200

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 5000 Average: 3000

Is depth to top of ground water greater than 10ft below base of pit? Y

Within 1 mile of municipal water well? N

Wellhead Protection Area? N

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 19-37115

H. CLOSED SYSTEM=STEEL PITS (REQUIRED - SALT FORK OF THE ARKANSAS RIVER)

Notes:

This permit does not address the right of entry or settlement of surface damages.
The duration of this permit is 18 MONTHS, except as otherwise provided by Rule 165: 10-3-1.
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

Category	Description
HYDRAULIC FRACTURING	<p>11/5/2019 - G71 - OCC 165:10-3-10 REQUIRES:</p> <p>1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE;</p> <p>2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE "FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK: OCCWEB.COM/OG/OGFORMS.HTML; AND,</p> <p>3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: FRACFOCUS.ORG</p>
SPACING	<p>11/26/2019 - GC2 - FORMATIONS UNSPACED 160-ACRE LEASE SW4</p>

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

13800 Wireless Way, Okla. City, OK. 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219

Certificate of Authorization No. 1293 LS

API:071-24913A

KAY

County, Oklahoma

1700'FSL - 1255'FWL Section 33 Township 25N Range 1E I.M.



NOTES:

- THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY

Operator: SIENA NATURAL RESOURCES

Lease Name: WYCKOFF

Well No.: 33-4

ELEVATION:

938' Gr. at Stake

Topography & Vegetation Loc. fell in sloped pasture, scattered brush

Good Drill Site? Yes

Reference Stakes or Alternate Location
Stakes Set None

Best Accessibility to Location From West off lease road

Distance & Direction

From Hwy Jct or Town From Jct. US Hwy. 177 N-NE and US Hwy. 60 E-W, go ± 4.0 mi. East on US Hwy. 60, then ± 5.5 mi. South to the NW Cor. of Sec. 33-T25N-R1E, continue ± 0.75 mi. South on lease road to location in the SW/4 of Sec. 33-T25N-R1E

Date of Drawing: Dec. 05, 2019

Project # 131836

Date Staked: Dec. 04, 2019

AC

CERTIFICATE:

I, _____ Surveyor _____ an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein

Oklahoma Lic. No. _____ Number _____

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

DATUM: NAD-27
LAT: 36°35'55.0"N
LONG: 97°12'22.7"W
LAT: 36.598621284° N
LONG: 97.206315404° W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 2232992
Y: 582877

PRELIMINARY

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

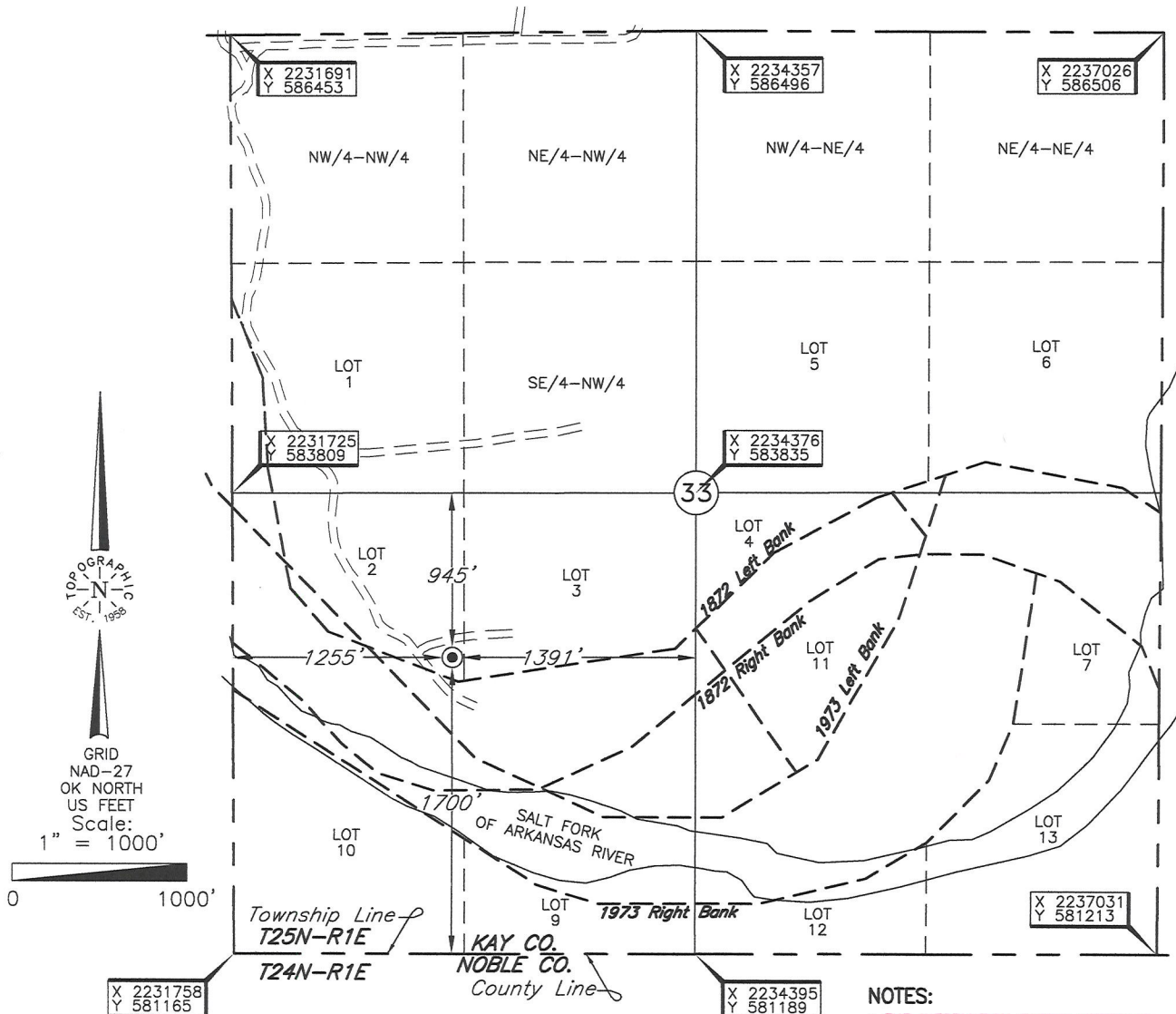
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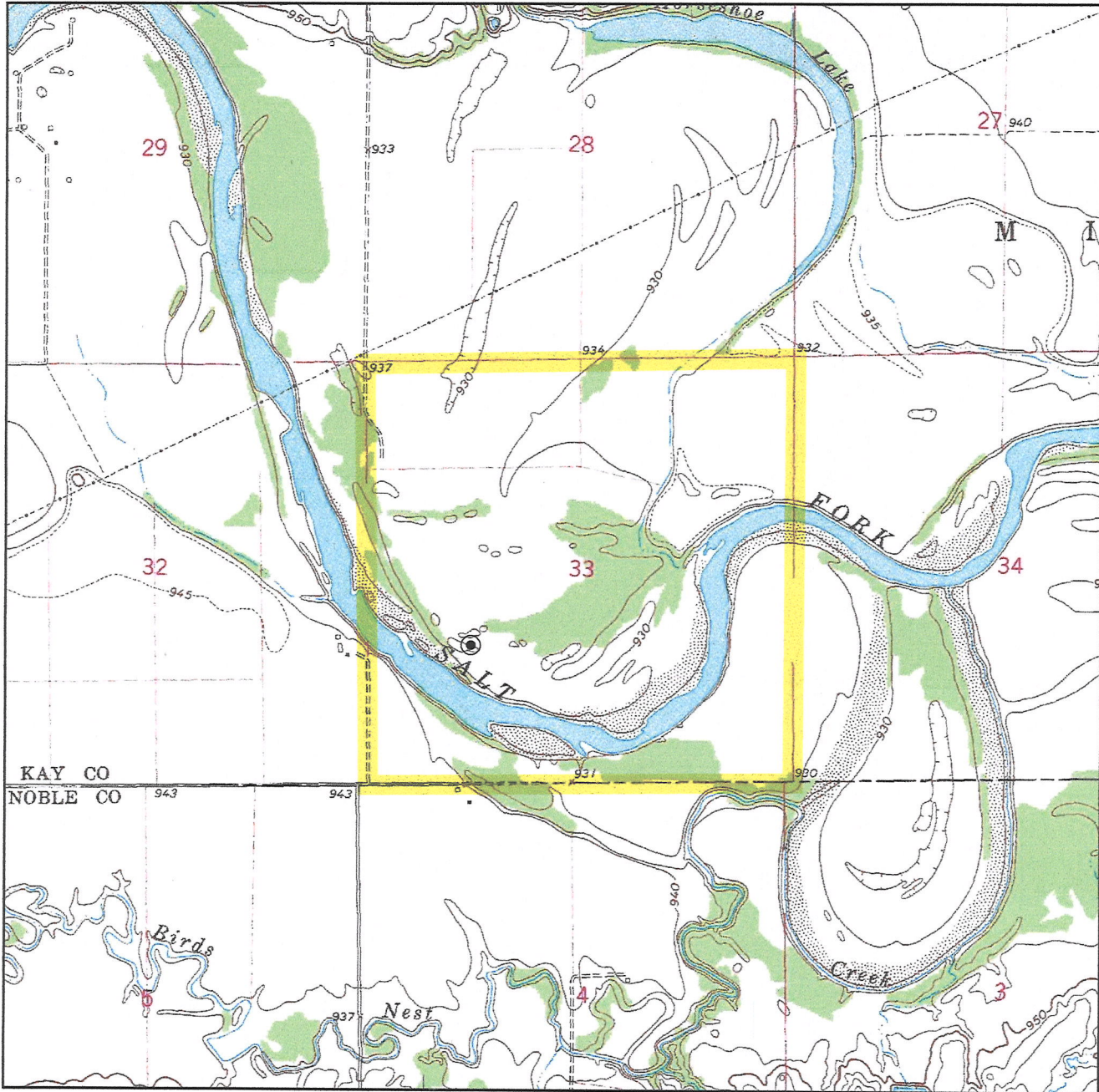
TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

Surveying and Mapping for the Energy Industry

13800 Wireless Way, Okla. City, OK. 73134 www.topographic.com

Telephone Numbers: Local (405) 843-4847 Toll Free (800) 654-3219

LOCATION & ELEVATION VERIFICATION MAP



Sec. 33 Twp. 25N Rng. 1E IM

County KAY State OK

Operator SIENA NATURAL RESOURCES

Description 1700' FSL - 1255' FWL

Lease WYCKOFF 33-4

Elevation 938' Gr. at Stake

Above Background Data from
U.S.G.S. Topographic Map
Scale: 1"=2000'

Contour Interval 10'

When elevation is shown hereon it is the ground elevation of the location stake.
Review this plat and inform us immediately of any possible discrepancy.



TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

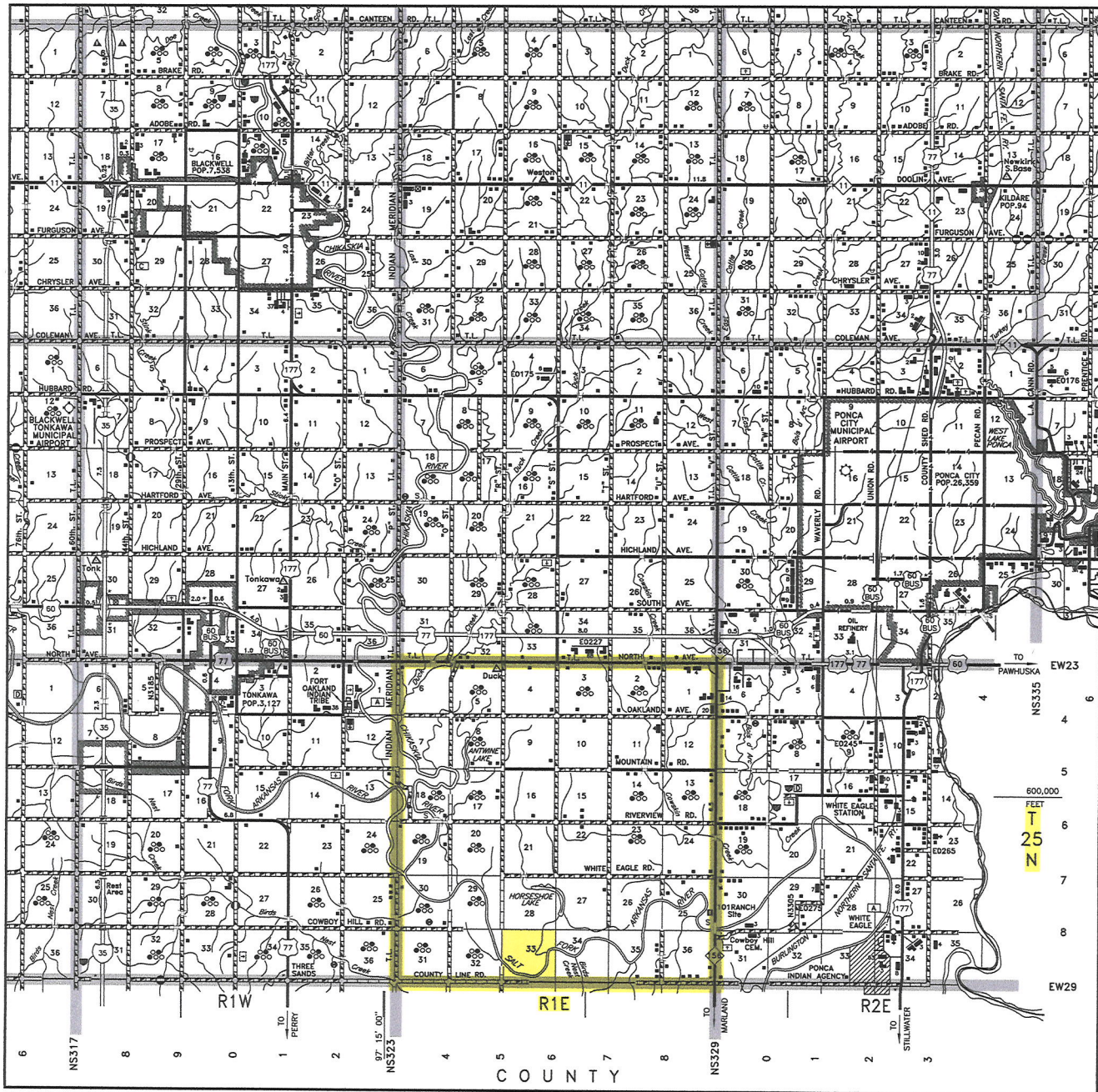
LAND SURVEYORS OF OKLAHOMA

Dec. 04, 2019

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VICINITY MAP



Scale: 1" = 3 Miles

Sec. 33 Twp. 25N Rng. 1E IM

County KAY State OK

Operator SIENA NATURAL RESOURCES



LAND SURVEYORS OF OKLAHOMA