

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

API NUMBER: 027 21501

Approval Date: 10/25/2019

Expiration Date: 04/25/2021

Straight Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 11 Twp: 9N Rge: 1E

County: CLEVELAND

SPOT LOCATION: ☐ SW ☐ NW ☐ NW ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 2013 488

Lease Name: LINNEY

Well No: 1-11

Well will be 488 feet from nearest unit or lease boundary.

Operator Name: RANKEN ENERGY CORPORATION

Telephone: 4053402363

OTC/OCC Number: 17205 0

RANKEN ENERGY CORPORATION
457 W 18TH ST
EDMOND, OK 73013-3663

ABSENTEE SHAWNEE TRIBE OF OKLAHOMA
2025 S. GORDON COOPER DRIVE
SHAWNEE OK 74801

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

	Name	Depth		Name	Depth
1	LAYTON	4536	6	SIMPSON DENSE	6295
2	SKINNER	5340	7	1ST WILCOX	6332
3	RED FORK	5450	8	2ND WILCOX	6376
4	HUNTON	5785	9	TULIP CREEK	6526
5	VIOLA	6116	10	OIL CREEK	6900

Spacing Orders: 692265

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 7100

Ground Elevation: 1120

Surface Casing: 750

Depth to base of Treatable Water-Bearing FM: 680

Under Federal Jurisdiction: Yes

Fresh Water Supply Well Drilled: Yes

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

Type of Pit System: ON SITE

A. Evaporation/dewater and backfilling of reserve pit.

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: 2

Liner not required for Category: 2

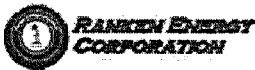
Pit Location is BED AQUIFER

Pit Location Formation: GARBER

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>9/20/2019 - 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 - 692265	<p>10/24/2019 - GC2 - (80) SW4 11-9N-1E SU NW/SE EST LYTN, SKNR, RDFK, HNTN, VIOL, SMPD, WLCX1, WLCX2, TPCK, OLCK, OTHER EXT OTHER</p>



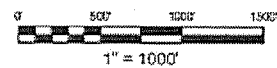
Well Location Plat

Sec. 11-9N-1E I.M.

Operator: RANKEN ENERGY CORPORATION
Lease Name and No.: LINNEY #1-11
Footage: 2013' FSL - 488' FWL Gr. Elevation: 1120'
Section: 11 Township: 9N Range: 1E 1M.
County: Cleveland State of Oklahoma
Terrain at Loc.: Location fell on a hill top with trees.



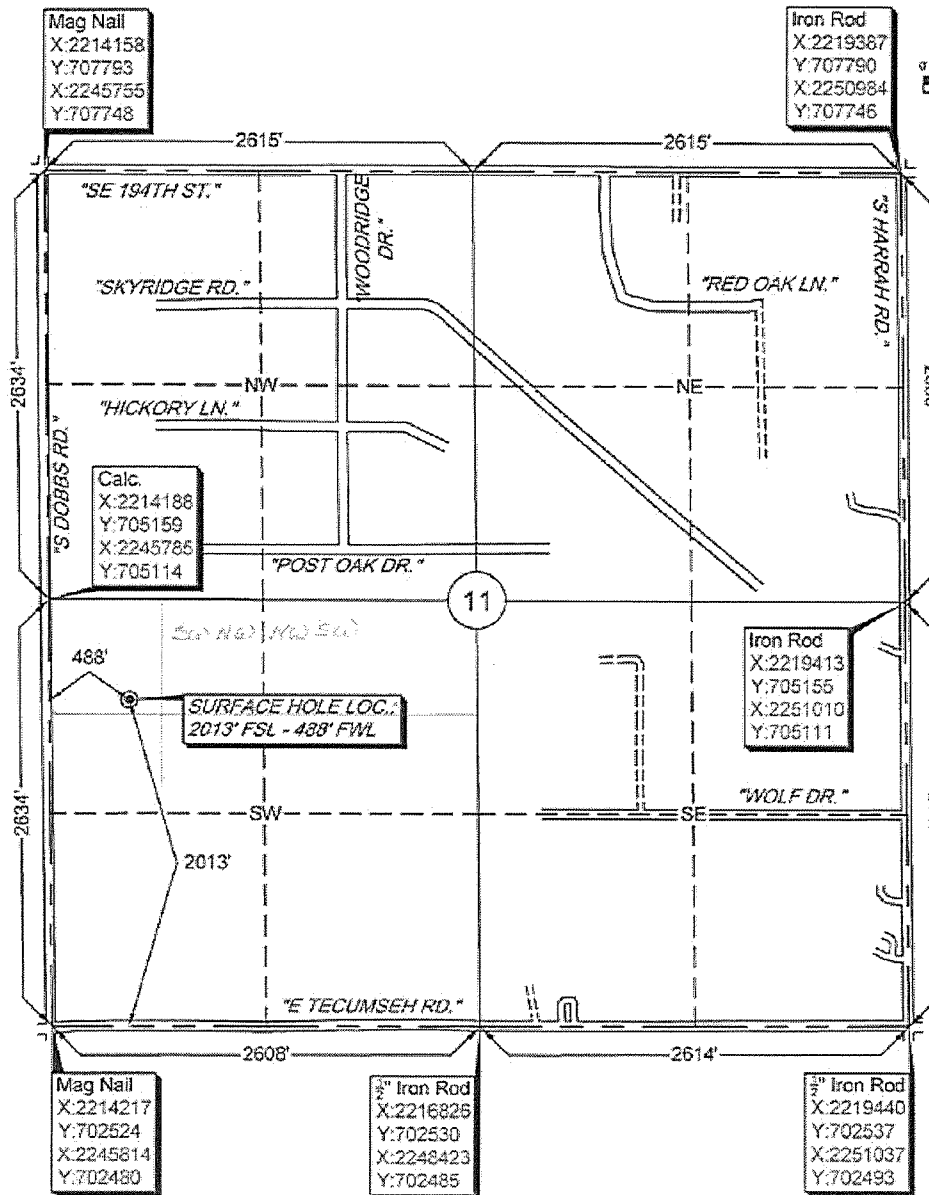
All bearings shown
are good bearings.



GPS DATUM
NAD 83
NAD 27
OK SOUTH ZONE
BASIS OF BEARING:
GRID NORTH - NAD 83
STATE PLANE - OK SOUTH ZONE
BASIS OF ELEVATION:
OPUS SOLUTION

Surface Hole Loc.:
Lat: 35°15'59.27"N
Lon: 97°10'31.22"W
Lat: 35.26646492
Lon: 97.17533890
X: 2214683
Y: 704538

Surface Hole Loc.:
Lat: 35°15'59.02"N
Lon: 97°10'30.12"W
Lat: 35.26639578
Lon: 97.17503400
X: 2246280
Y: 704494

[illegible]

Survey and plat by:
Arkoma Surveying and Mapping, PLLC
P.O. Box 238 Wilburton, OK 74578
Ph. 918-465-5711 Fax 918-465-5030
Certificate of Authorization No. 5348
Expires June 30, 2020

Invoice #7877
Date Staked: 05/29/18 By: D.A.
Date Drawn: 05/30/18 By: J.K.

Certification:

This is to certify that this Well Location Plat represents the results of a survey made on the ground performed under the supervision of the undersigned.

Lance G. Mathis
LANCE G. MATHIS

07/05/18

OK LPLS 1664

