

API NUMBER: 133 25376

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

Approval Date: 02/09/2022

Expiration Date: 08/09/2023

Straight Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 11 Township: 7N Range: 5E County: SEMINOLE

SPOT LOCATION: ☐ SW ☐ NW ☐ NE ☐ NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 332 1291

Lease Name: PALMER Well No: 1-11 Well will be 332 feet from nearest unit or lease boundary.

Operator Name: REACH OIL AND GAS COMPANY INC Telephone: 4052545779 OTC/OCC Number: 24558 0

REACH OIL AND GAS COMPANY INC
6301 WATERFORD BLVD STE 120
OKLAHOMA CITY, OK 73118-1100

RHEA PALMER
35194 EW 1320 RD
MAUD OK 74854

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

Name	Code	Depth	Name	Code	Depth
1 WEWOKA	404WWOK	2252	6 HUNTON	269HNTN	4233
2 CALVIN	404CLVN	2746	7 VIOLA	202VIOL	4388
3 SENORA	404SNOR	3189	8 SIMPSON DOLOMITE	202SMPSD	4472
4 RED FORK	404RDFK	3352	9 1ST WILCOX	202WLCX1	4514
5 BARTLESVILLE	404BRVL	3450	10 2ND WILCOX	202WLCX2	4622

Spacing Orders: No Spacing

Location Exception Orders: No Exceptions

Increased Density Orders: No Density

Pending CD Numbers: 202200123
202102411

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 4650 Ground Elevation: 889

Surface Casing: 570

Depth to base of Treatable Water-Bearing FM: 520

Under Federal Jurisdiction: No
Fresh Water Supply Well Drilled: No
Surface Water used to Drill: Yes

Approved Method for disposal of Drilling Fluids:

E. Haul to Commercial pit facility	Sec. 19 Twn. 8N Rng. 5E Cnty. 125 Order No: 274874
H. (Other)	CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 8000 Average: 5000

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: BED AQUIFER

Pit Location Formation: VANOSS

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>[2/8/2022 - GC2] - OCC 165:10-3-10 REQUIRES:</p> <p>1) NOTICE SHALL BE GIVEN AT LEAST 5 BUSINESS DAYS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS ON A HORIZONTAL WELL TO OPERATORS PRODUCING WELLS WITHIN 1 MILE OF THE COMPLETION INTERVAL OF THE SUBJECT WELL. THE NOTICE TO SUCH OPERATORS SHALL CONTAIN THE INFORMATION IN FORM 6000NOO. IF THE HYDRAULIC FRACTURING OPERATIONS SCHEDULE CHANGES AFTER NOTICE HAS BEEN PROVIDED, RESULTING IN A DELAY OF OPERATIONS OF MORE THAN 5 DAYS FROM THE INITIAL NOTICE, NEW NOTICE IS REQUIRED TO BE GIVEN;</p> <p>2) NOTICE WILL BE GIVEN TO THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS. FORM 6000NHF SHALL BE USED AND IS FOUND AT THIS LINK: OCCEWEB.COM/OG/OGFORMS.HTML; AND,</p> <p>3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS IS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION OF HYDRAULIC FRACTURING OPERATIONS, FOUND AT FRACFOCUS.ORG</p>
PENDING CD - 202102411	<p>[2/9/2022 - GB1] - (I.O.)(80) N2 NE4 11-7N-5E LD NE/SW VAC 310897 CLVN, RDFK, BRVL, HNTN, VIOL, SMPSD, WLCX1, WLCX2 EST WWOK, CLVN, SNOR, RDFK, BRVL, HNTN, VIOL, SMPSD, WLCX1, WLCX2 REC 12/14/21 (THOMAS)</p>
PENDING CD - 202200123	<p>[2/9/2022 - GB1] - (I.O.) N2 NE4 11-7N-5E X202102411 WWOK, CLVN, SNOR, RDFK, BRVL, HNTN, VIOL, SMPSD, WLCX1, WLCX2 SHL 332' FNL, 1291' FEL N2 NE4 11-7N-5E NO OP NAMED REC 2/8/22 (P. PORTER)</p>



Well Location Plat

Sec. 11-7N-5E I.M.

Operator: REACH OIL AND GAS COMPANY, INC.

Lease Name and No.: PALMER #1-11

Surface Hole Location: 332' FNL - 1291' FEL Gr. Elevation: 889'

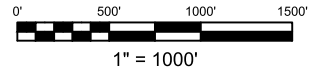
SW/4-NW/4-NE/4-NE/4 Section: 11 Township: 7N Range: 5E I.M.

County: Seminole State of Oklahoma

Terrain at Loc.: Location fell in heavy timber, 19' E. of N-S fence, 277' S. of E-W aerial power line.

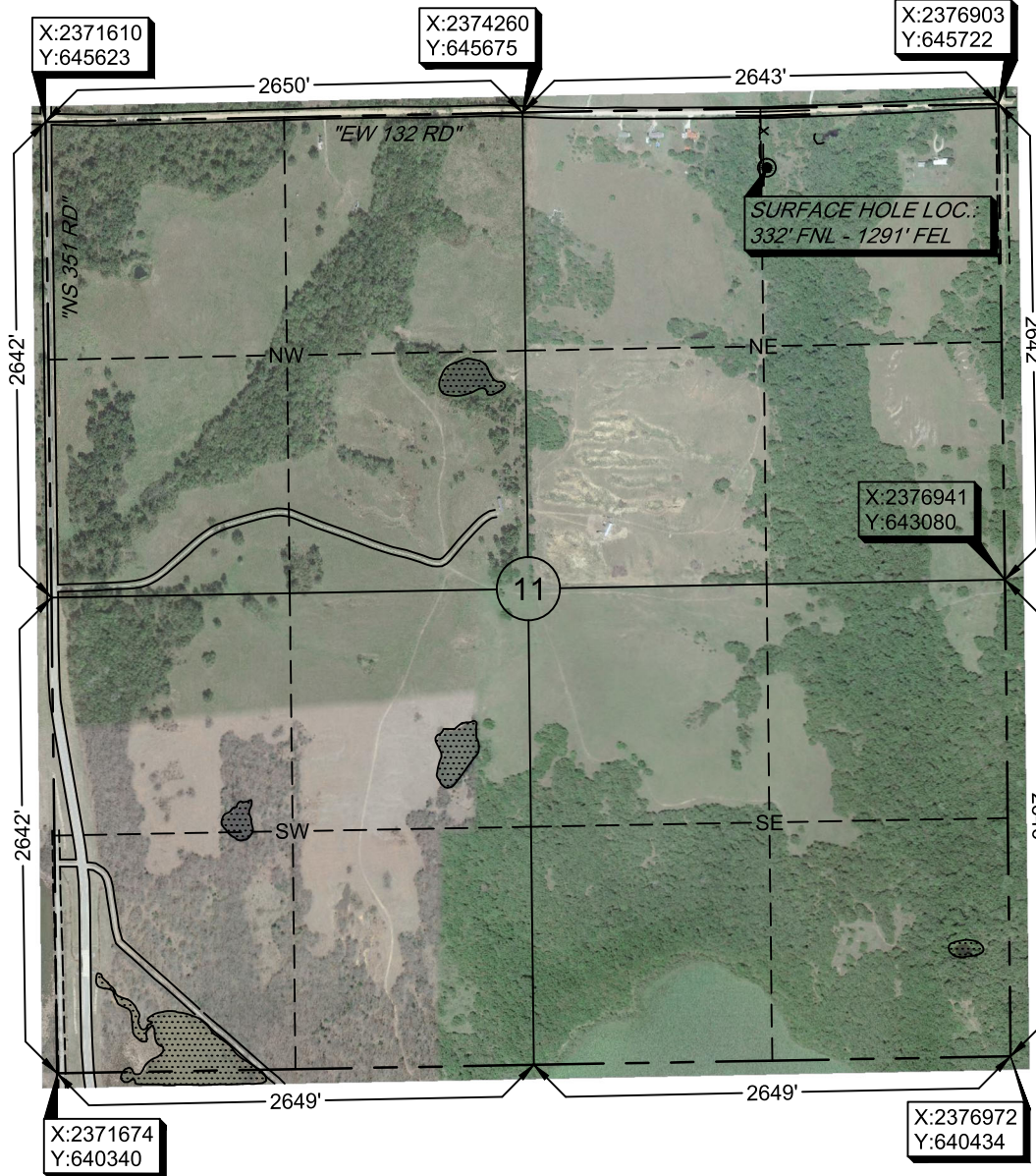


All bearings shown are grid bearings.



GPS DATUM
NAD 27
OK SOUTH ZONE

Surface Hole Loc.:
Lat: 35°06'01.07"N
Lon: 96°44'39.45"W
Lat: 35.10029670
Lon: -96.74429240
X: 2375617
Y: 645368



-Please note that this location was staked on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed. Please contact Arkoma Surveying and Mapping promptly if any inconsistency is determined. GPS data is observed from RTK - GPS.
-NOTE: X and Y data shown hereon for Section Corners may NOT have been surveyed on-the-ground, and further, does NOT represent a true Boundary Survey.
-Quarter Section distances may be assumed from a Government Survey Plat or assumed at a proportionate distance from opposing section corners, or occupation thereof, and may not have been measured on-the-ground, and further, does not represent a true boundary survey.

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, 2022

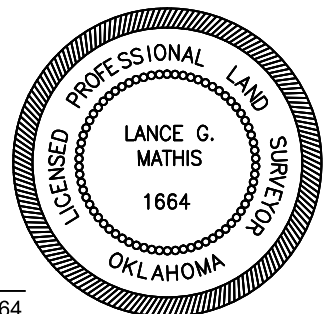
Certification:

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

01/18/2022

OK LPLS 1664



Invoice #9819

Date Staked: 01/12/2022 By: D.W.
Date Drawn: 01/17/2022 By: J.L.



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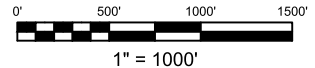
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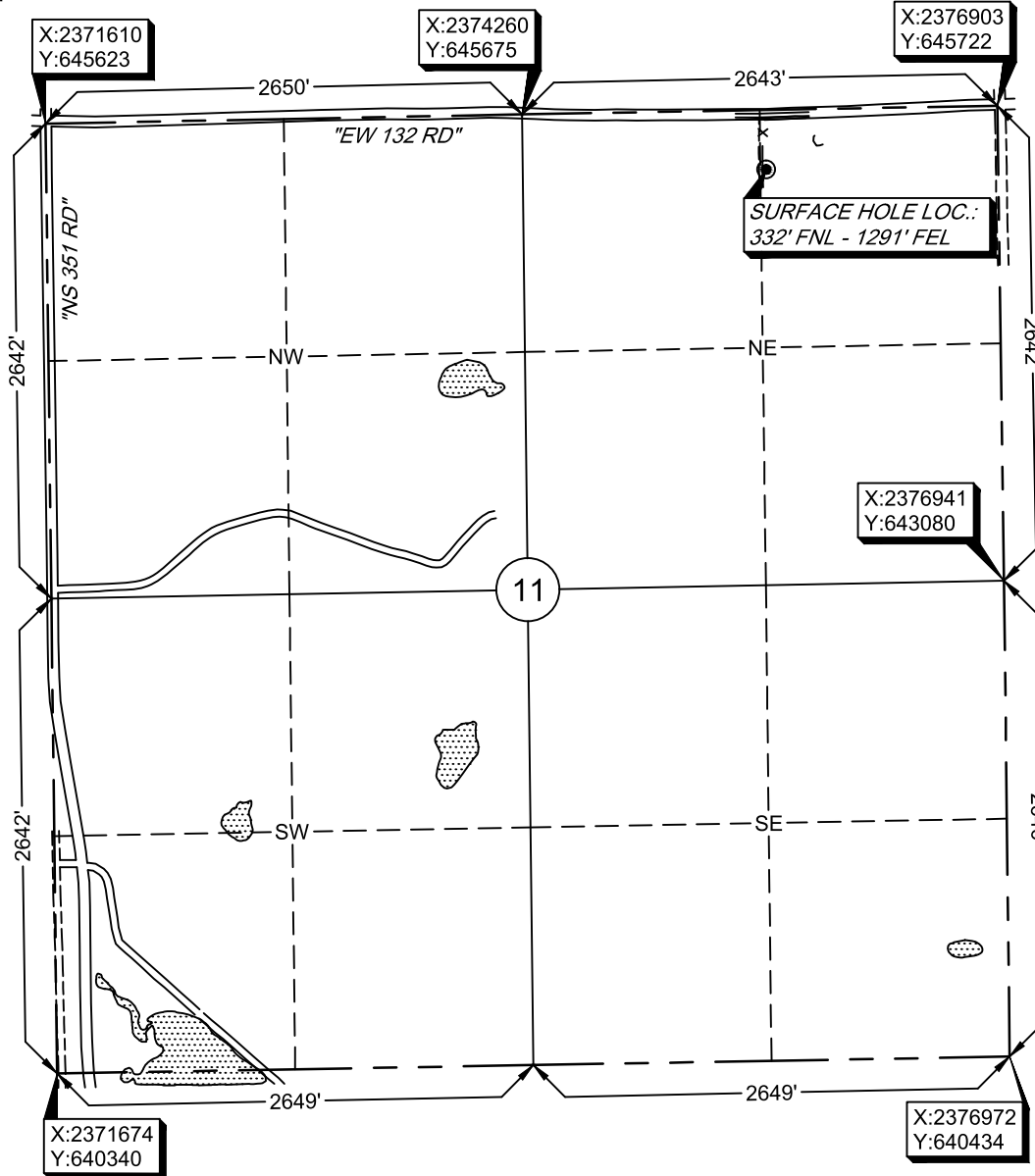


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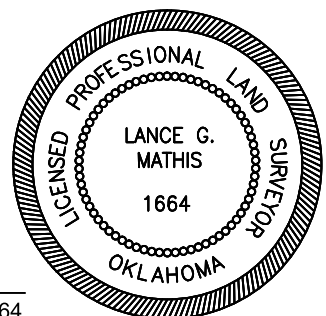
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Topographic Vicinity Map



Operator: REACH OIL AND GAS COMPANY, INC.

Lease Name and No.: PALMER #1-11

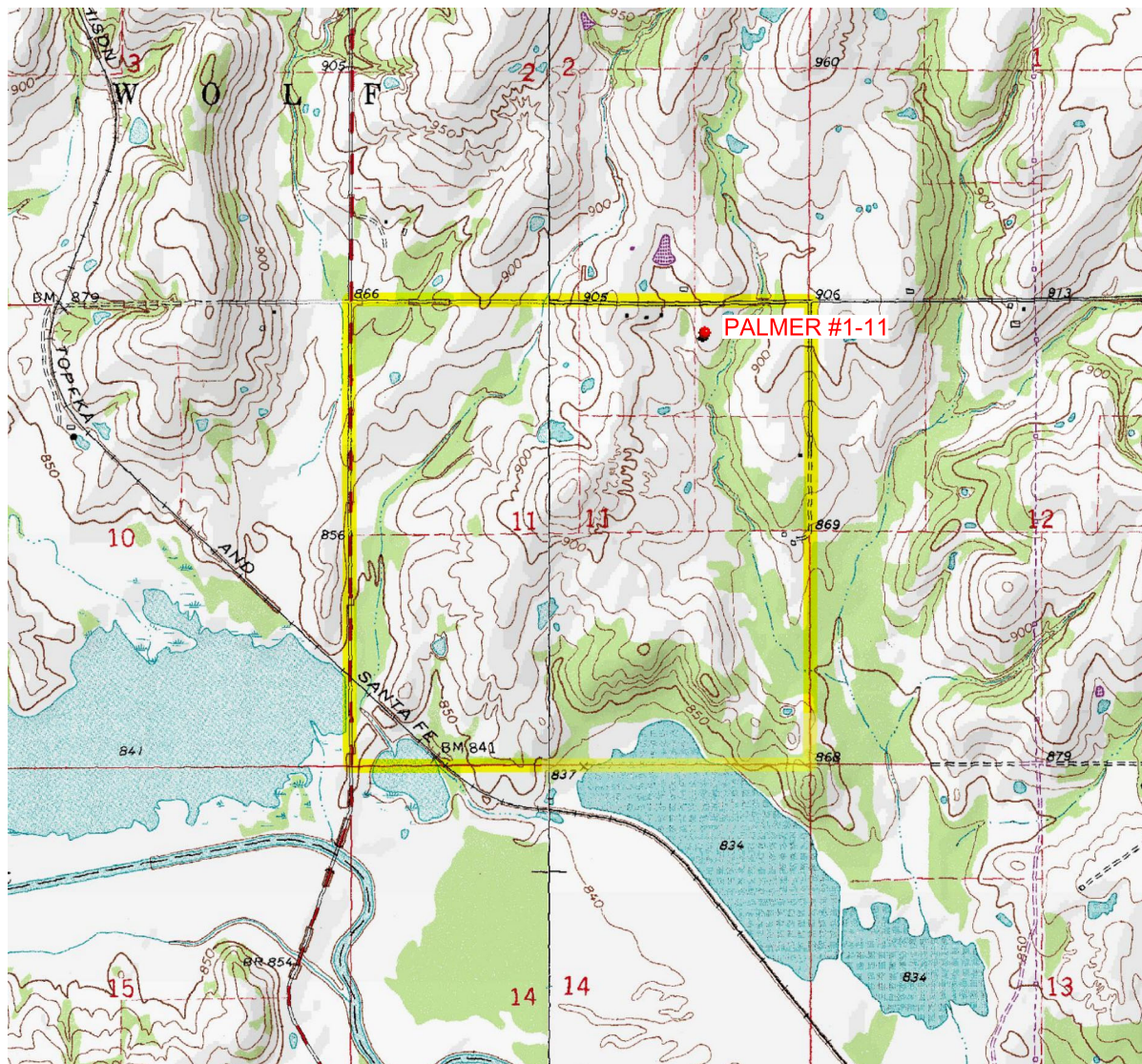
Surface Hole Location: 332' FNL - 1291' FEL

Section: 11 Township: 7N Range: 5E I.M.

County: Seminole State of Oklahoma

Ground Elevation at Surface Hole Location: 890'

Scale 1" = 2000'
Contour Interval: 10'



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Date Staked: 01/12/2022

The purpose of this map is to verify the location and elevation as staked on the ground and to show the surrounding Topographic features. The footage shown hereon is only as SCALED onto a U.S.G.S. Topographic Map.

Please note that this location was staked carefully on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed.

Please contact Arkoma Surveying and Mapping promptly if any inconsistency is determined.

County Highway Vicinity Map



Job #: 9819

Operator: REACH OIL AND GAS COMPANY, INC.

Lease Name and No.: PALMER #1-11

Accessibility: From the West.

Directions: From the junction of Highway 9A & "E1320 Rd." in Seminole CO., OK, go 0.75 miles East on "E1320 Rd." to the NE/4 of Section 11-7N-5E with the Proposed Site being on the South side of "E1320 Rd."



1 inch = 0.25 mile

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