

API NUMBER: 133 25370

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

Approval Date: 09/17/2021
Expiration Date: 03/17/2023

Directional Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 02 Township: 7N Range: 5E County: SEMINOLE

SPOT LOCATION: ☐ SE ☐ SW ☐ SE ☐ SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 246 924

Lease Name: GWIN Well No: #2-2 Well will be 246 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

GWIN & GWIN
709 NW 54TH ST
OKLAHOMA CITY OK 73118

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

Name	Code	Depth	Name	Code	Depth
1 WEWOKA	404WWOK	2326	6 HUNTON	269HNTN	4307
2 CALVIN	404CLVN	2820	7 VIOLA	202VIOL	4463
3 SENORA	404SNOR	3263	8 SIMPSON DOLOMITE	202SMPSD	4569
4 EARLSBORO	404ERLB	3426	9 1ST WILCOX	202WLCX1	4611
5 CROMWELL	402CMWL	3530	10 2ND WILCOX	202WLCX2	4719

Spacing Orders: 720022

Location Exception Orders: 720416

Increased Density Orders: No Density

Pending CD Numbers: No Pending

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 4750

Ground Elevation: 903

Surface Casing: 550

Depth to base of Treatable Water-Bearing FM: 500

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

DIRECTIONAL HOLE 1

Section: 2 Township: 7N Range: 5E Meridian: IM
County: SEMINOLE

Measured Total Depth: 4850

Spot Location of End Point: NW SE SE SE

True Vertical Depth: 4750

Feet From: SOUTH 1/4 Section Line: 422

End Point Location from

Feet From: EAST 1/4 Section Line: 497

Lease, Unit, or Property Line: 422

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>[9/15/2021 - 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>
LOCATION EXCEPTION - 720416	<p>[9/16/2021 - G56] - (I.O.) S2 SE4 2-7N-5E X720022 WWOK, CLVN, SNOR, ERLB, CMWL, HNTN, VIOL, SMPSD, WLCX1, WLCX2 COMPL INT NCT 330' FSL, NCT 330' FEL *** REACH OIL & GAS CO INC. 9/3/2021</p> <p>*** FORMATION ENTRY & EXIT WITH MD/TVD WILL BE ADDED IN F.O. PER ATTORNEY FOR OPERATOR;</p>
SPACING - 720022	<p>[9/16/2021 - G56] - (80) S2 SE4 2-7N-5E LD SW4 SE4 NCT 330' FB EST WWOK, CLVN, SNOR, ERLB, CMWL, HNTN, VIOL, SMPSD, WLCX1, WLCX2</p>



Well Location Plat

Sec. 2-7N-5E I.M.

Operator: REACH OIL AND GAS COMPANY, INC.

Lease Name and No.: GWIN #2-2

Surface Hole Location: 246' FSL - 924' FEL Pad Elevation: 903'

SE/4-SW/4-SE/4-SE/4 Section: 2 Township: 7N Range: 5E I.M.

Bottom Hole Location: 422' FSL - 497' FEL

NW/4-SE/4-SE/4-SE/4 Section: 2 Township: 7N Range: 5E I.M.

County: Seminole State of Oklahoma

Terrain at Loc.: Location fell on existing pad site.



All bearings shown
are grid bearings.



1" = 1000'

GPS DATUM

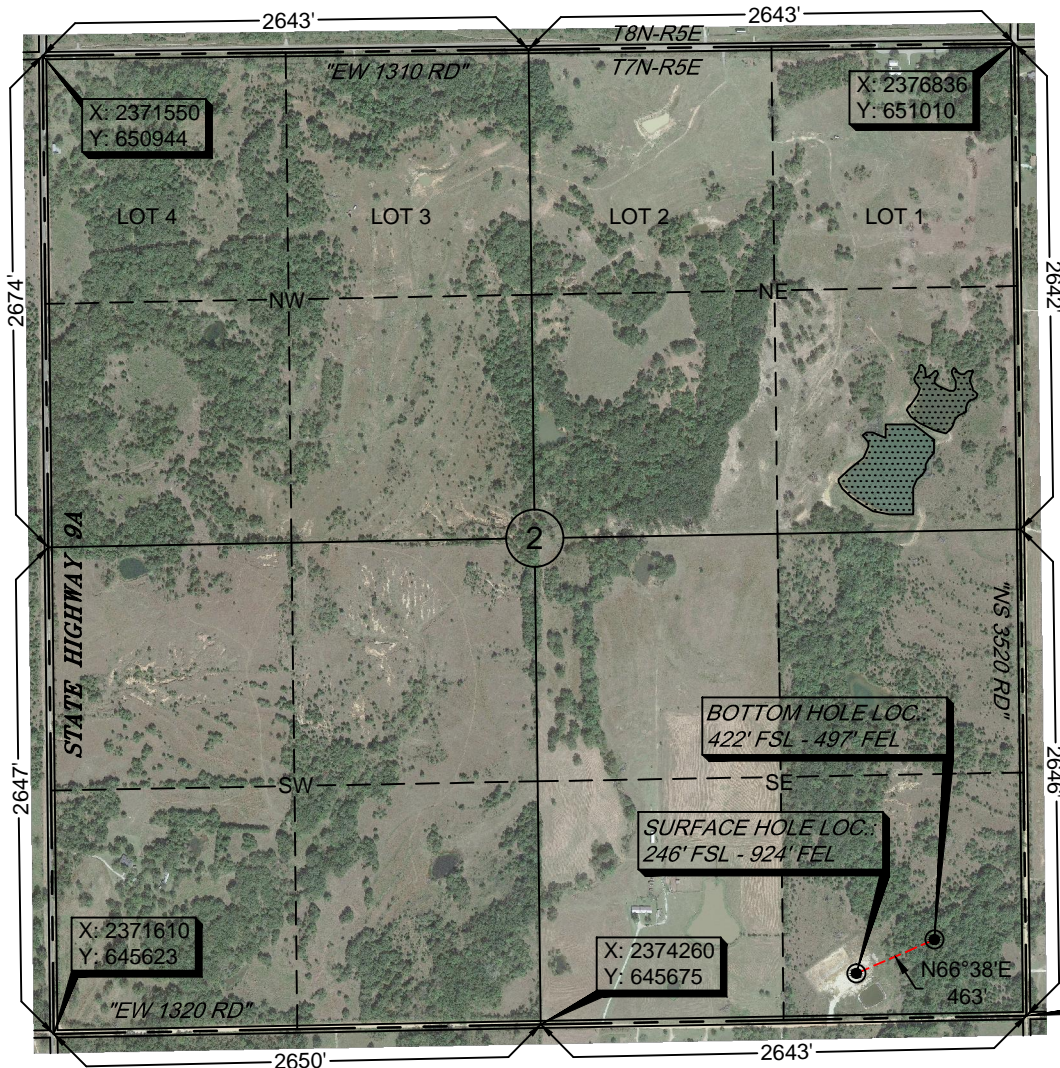
NAD 27

OK SOUTH ZONE

Surface Hole Loc.:
Lat: 35°06'06.80"N
Lon: 96°44'35.05"W
Lat: 35.10189023
Lon: -96.74306928
X: 2375975
Y: 645952

Bottom Hole Loc.:
Lat: 35°06'08.57"N
Lon: 96°44'29.91"W
Lat: 35.10238011
Lon: -96.74164161
X: 2376400
Y: 646136

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 herein 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

Invoice #9492-A

Date Staked: 08/03/2021 By: D.W.

Date Drawn: 08/05/2021 By: S.S.

Added BHL: 08/12/2021 By: M.K.

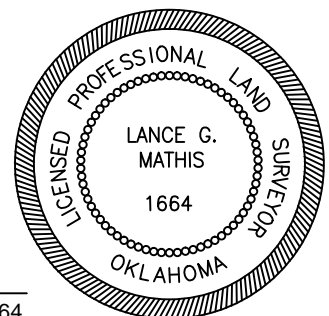
Certification:

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

08/12/2021

OK LPLS 1664





A circular professional seal for a land surveyor. The outer ring contains the text "LICENSED PROFESSIONAL LAND SURVEYOR" at the top and "OKLAHOMA" at the bottom. Inside this ring is a smaller circle with a beaded border. Within the beaded circle, the text "LANCE G. MATHIS" is centered above the license number "1664".



Topographic Vicinity Map

Operator: REACH OIL AND GAS COMPANY, INC.

Lease Name and No.: GWIN #2-2

Surface Hole Location: 246' FSL - 924' FEL

Bottom Hole Location: 422' FSL - 497' FEL

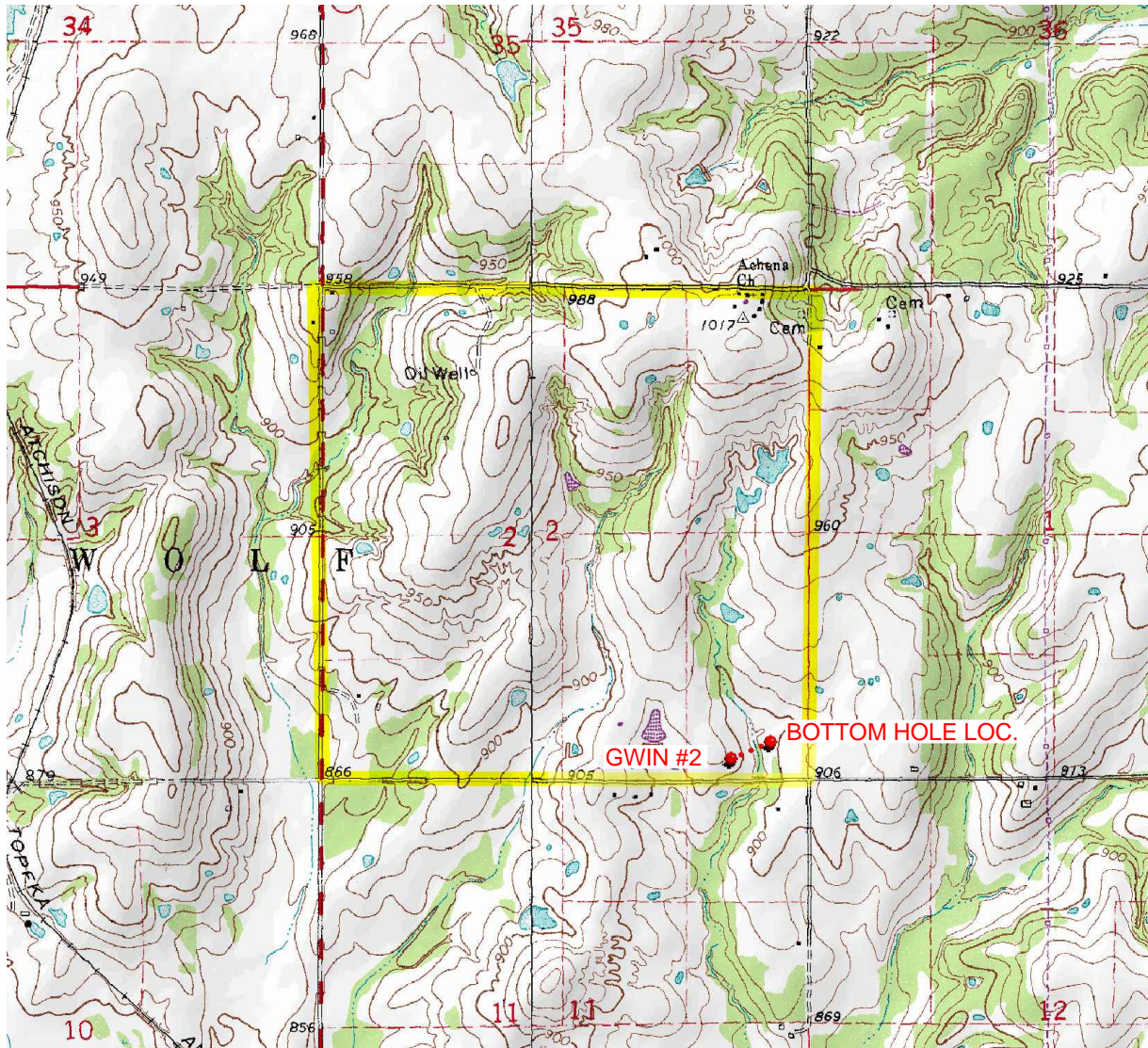
Sec. 2 Twp. 7N Rng. 5E I.M.

County: Seminole State of Oklahoma



Scale 1" = 2000'
Contour Interval: 10'

Pad Elevation at Surface Hole Location: 903'



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Expires June 30, 2022

Date Staked: 08/05/2021

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 REACH OIL AND GAS COMPANY

Job #: 9492-A

Operator: REACH OIL AND GAS COMPANY, INC.

Lease Name and No.: GWIN #2-2

Accessibility: From the Northwest.

Directions: From Maud, OK, take State Highway 59
1.0 mile East, then 2.0 miles South on State Highway
9A, then 1.0 mile East on "EW 1320 Rd." to the
location on the left side of the road.

1 inch = 0.36 mile

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