

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

API NUMBER: 125 23941

Approval Date: 09/25/2018

Expiration Date: 03/25/2020

Straight Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 05 Twp: 9N Rge: 5E

County: POTTAWATOMIE

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 1650 1320

Lease Name: E GWARTNEY FARMS

Well No: 2-5

Well will be 990 feet from nearest unit or lease boundary.

Operator Name: CIRCLE 9 RESOURCES LLC

Telephone: 4055296577; 4055296

OTC/OCC Number: 23209 0

CIRCLE 9 RESOURCES LLC  
PO BOX 249  
OKLAHOMA CITY, OK 73101-0249

GWARTNEY FARMS LLC  
48667 RUBEN RIVERS ROAD  
EARLSBORO OK 74840

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

	Name	Depth		Name	Depth
1	EARLSBORO	3650	6	MARSHALL DOLO	4345
2	MISENER-HUNTON	4100	7	2ND WILCOX	4370
3	VIOLA	4200	8		
4	SIMPSON DOLOMITE	4275	9		
5	1ST WILCOX	4300	10		

Spacing Orders: 667919

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201807264

Special Orders:

Total Depth: 4570

Ground Elevation: 1077

**Surface Casing: 1530**

Depth to base of Treatable Water-Bearing FM: 1480

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: 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: OSCAR

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

PERMIT NO: 18-35336

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

Notes:

This permit does not address the right of entry or settlement of surface damages.

125 23941 E GWARTNEY FARMS 2-5

The duration of this permit is SIX 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>9/14/2018 - 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: <a href="http://OCCEWEB.COM/OG/OGFORMS.HTML">OCCEWEB.COM/OG/OGFORMS.HTML</a>; 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: <a href="http://FRACFOCUS.ORG">FRACFOCUS.ORG</a></p>
PENDING CD - 201807264	<p>9/25/2018 - G75 - SW4 5-9N-5E X667919 SMPSD 1 WELL CIRCLE 9 RESOURCES LLC HEARING 10-2-2018</p>
SPACING - 667919	<p>9/25/2018 - G75 - (160) SW4 5-9N-5E VAC 94782 ERLB, MSRH, VIOL, WLCX1, MRSL, WLCX2, OTHER SW4 VAC 205171 SMPSD SW4 EST ERLB, MSRH, VIOL, SMPSD, WLCX1, MRSDO, WLCX2, OTHER</p>
SURFACE LOCATION	<p>9/25/2018 - G75 - 1650' FSL, 1320' FWL SW4 5-9N-5E WITH GROUND ELEVATION 1077' PER STAKING PLAT</p>

This permit does not address the right of entry or settlement of surface damages.

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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.

125 23941 E GWARTNEY FARMS 2-5

# 9 Well Location Plat

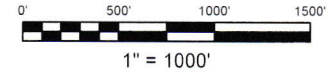
Sec. 5-9N-5E I.M.

Operator: CIRCLE 9 RESOURCES LLC  
 Lease Name and No.: GWARTNEY FARMS 2  
 Footage: 1650' FSL - 1320' FWL Gr. Elevation: 1077'  
 Section: 5 Township: 9N Range: 5E I.M.  
 County: Pottawatomie State of Oklahoma  
 Terrain at Loc.: Location fell in a flat open field with trees all around.

API 125-23941



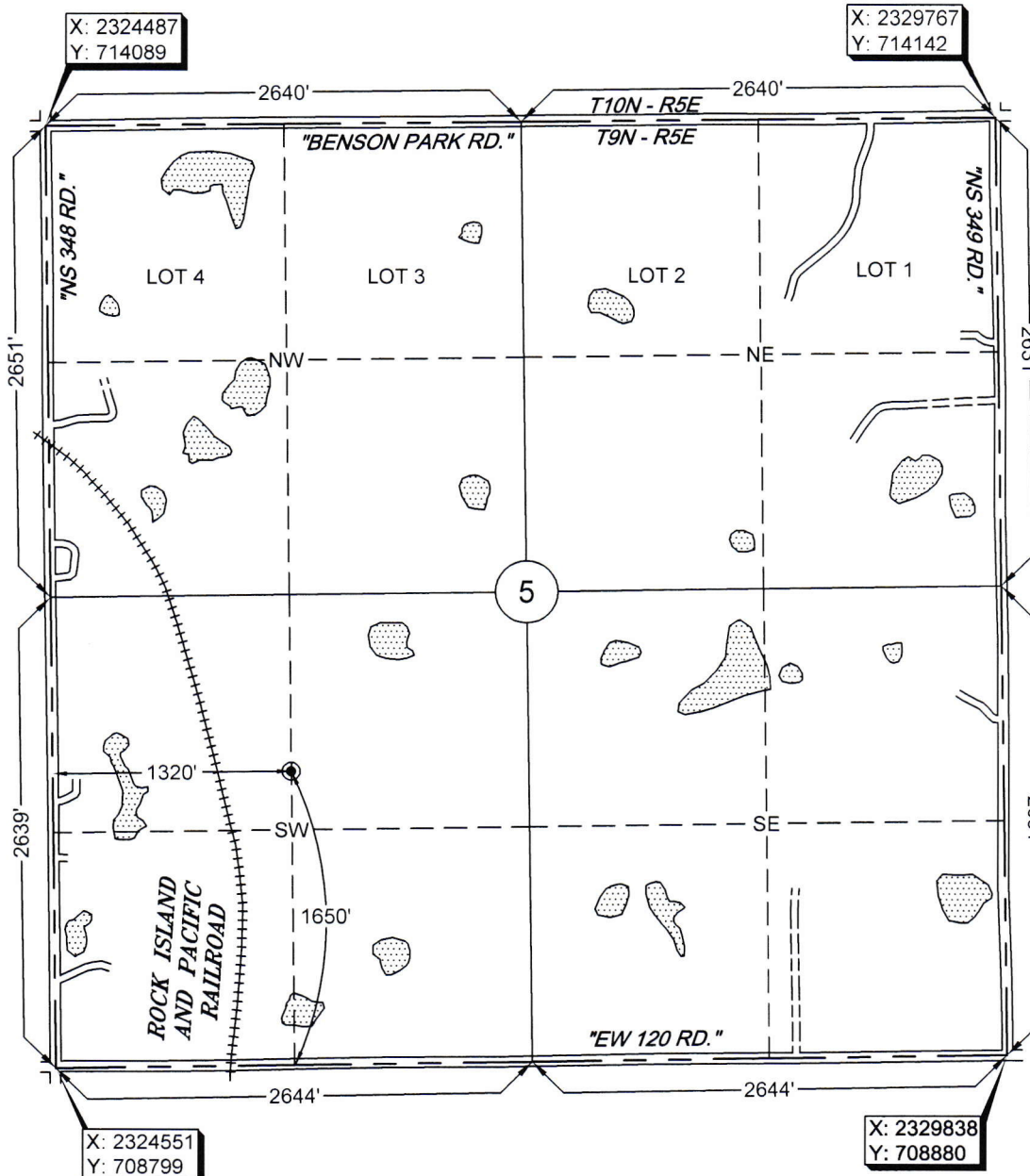
All bearings shown  
are geodetic bearings  
unless noted.



GPS DATUM  
NAD 83  
OK SOUTH ZONE

Surface Hole Loc.:  
 Lat: 35°16'46.92"N  
 Lon: 96°48'09.87"W  
 Lat: 35.27969948  
 Lon: -96.80274196  
 X: 2325851  
 Y: 710469

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, 2020

## 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.

Invoice #8112  
 Date Staked: 08/29/18 By: D.K.  
 Date Drawn: 09/04/18 By: J.K.

*Lance G. Mathis*  
 LANCE G. MATHIS

09/05/18

OK LPLS 1664

