

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

API NUMBER: 117 23707

Approval Date: 01/17/2020

Expiration Date: 07/17/2021

Straight Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 36 Twp: 20N Rge: 8E

County: PAWNEE

SPOT LOCATION:

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 330 2349

Lease Name: CROSSROADS

Well No: 5-36

Well will be 330 feet from nearest unit or lease boundary.

Operator Name: HALL GREG OIL & GAS LLC

Telephone: 4052852588

OTC/OCC Number: 21902 0

HALL GREG OIL & GAS LLC
2940 NW 156TH ST
EDMOND, OK 73013-2102

COMMISSIONERS OF THE LAND OFFICE
204 NORTH ROBINSON, STE 900
OKLAHOMA CITY OK 73102

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

	Name	Depth	Name	Depth
1	CLEVELAND	1650	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 1850

Ground Elevation: 780

Surface Casing: 220

Depth to base of Treatable Water-Bearing FM: 170

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

H. CLOSED SYSTEM=STEEL PITS (REQUIRED - KEYSTONE LAKE)

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

E. Haul to Commercial pit facility: Sec. 19 Twn. 8N Rng. 5E Cnty. 125 Order No: 274874

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: TALLANT

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>1/14/2020 - 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	1/17/2020 - GB1 - UNSPACED FORMATION; 160-ACRE LEASE NE

Greg Hall Oil & Gas, LLC

Well Location Plat

Sec. 36-20N-8E I.M.

Operator: GREG HALL OIL & GAS, LLC

Lease Name and No.: CROSSROADS 5-36

Footage: 330' FNL - 2349' FEL Gr. Elevation: 780'

Section: 36 Township: 20N Range: 8E I.M.

County: Pawnee State of Oklahoma

Terrain at Loc.: Location fell with a fence and aerial power line to the West and a pond to the North.

-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.



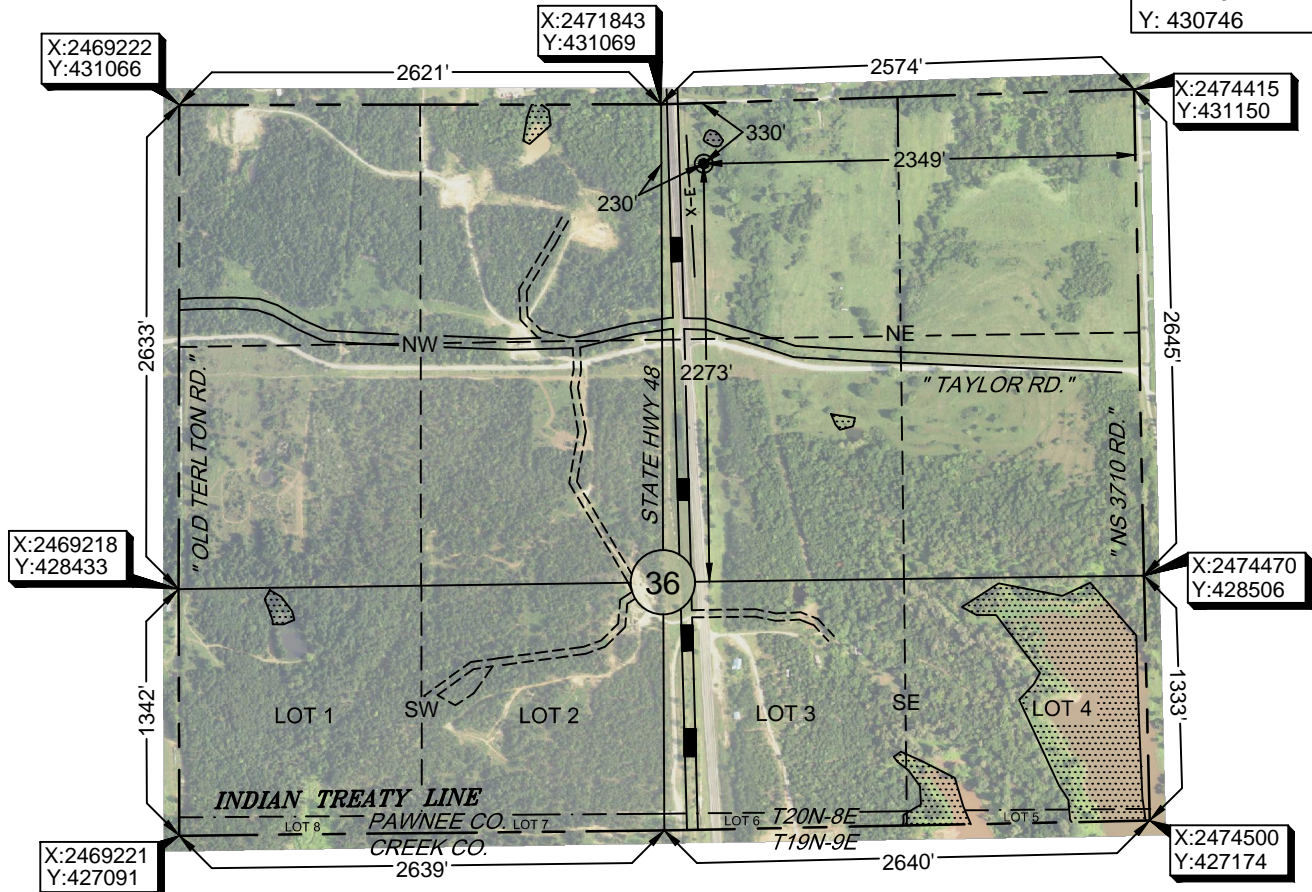
All bearings shown are grid bearings.



1" = 1000'

GPS DATUM
NAD 27
OK NORTH ZONE

Surface Hole Loc.:
Lat: 36°10'21.57"N
Lon: 96°24'01.90"W
Lat: 36.17265860
Lon: -96.40052697
X: 2472074
Y: 430746



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 #5591-A

Date Staked: 01/06/20 By: J.W.

Date Drawn: 01/07/20 By: M.K.

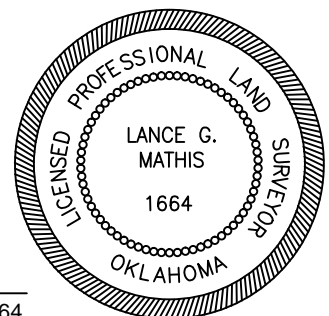
Certification:

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

01/07/20

OK LPLS 1664



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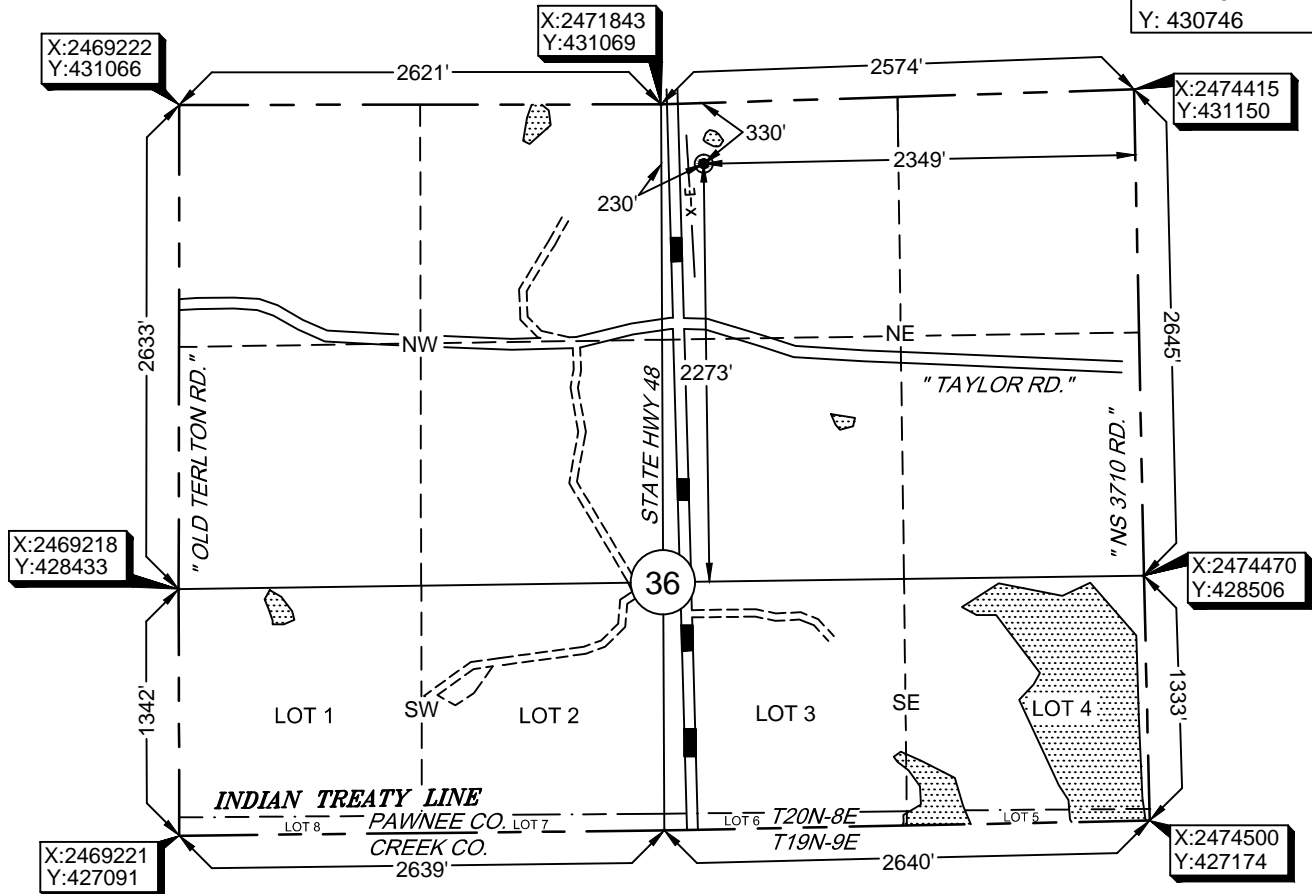
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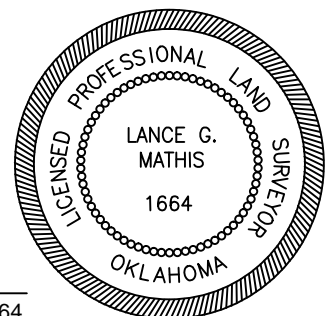
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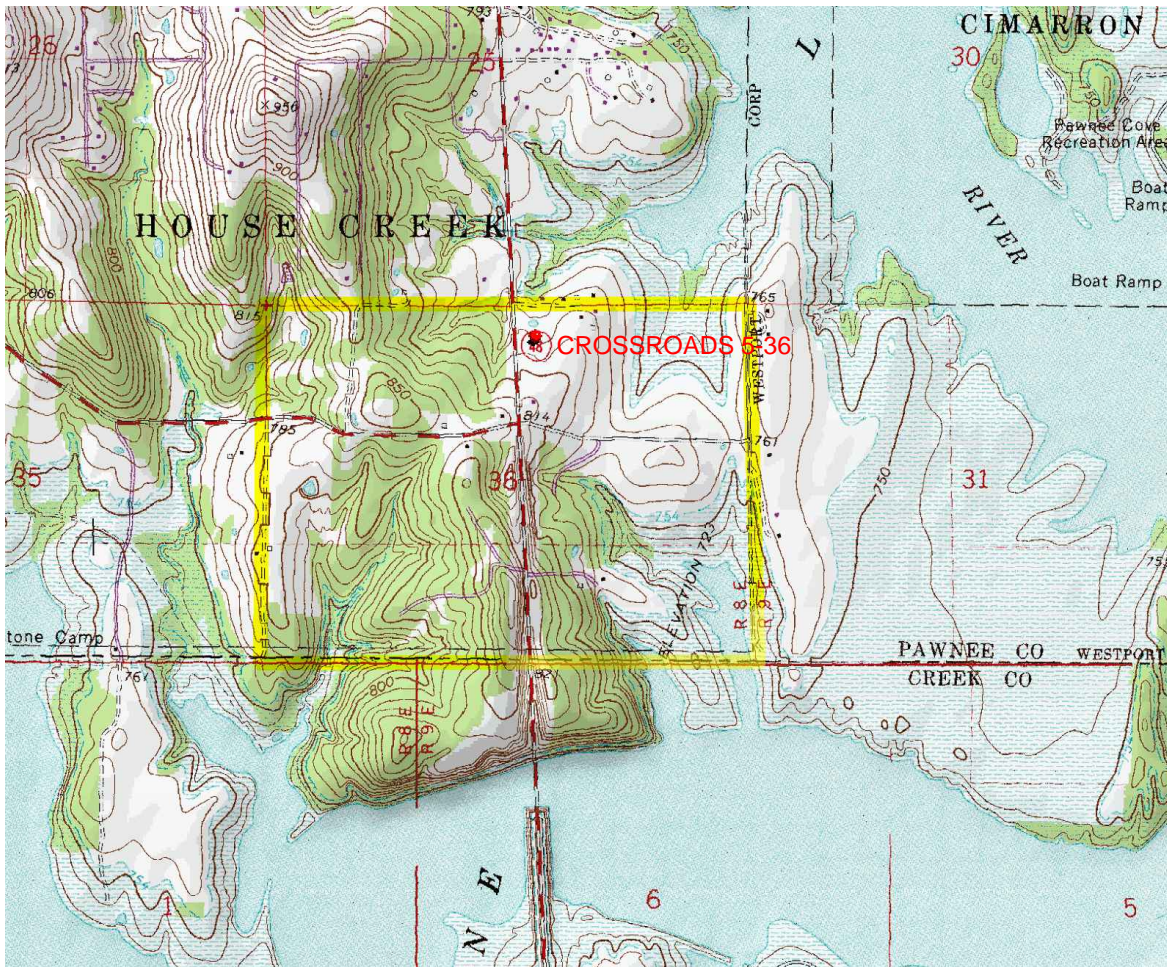
Topographic Vicinity Map

Operator: GREG HALL OIL & GAS, LLC
Lease Name and No.: CROSSROADS 5-36
Surface Hole Location: 330' FNL - 2349' FEL
Sec. 36 Twp. 20N Rng. 8E I.M.
County: Pawnee State of Oklahoma



Ground Elevation at Surface Hole Location: 780'

Scale 1" = 2000'
Contour Interval: 10'



Provided by:
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Date Staked: 01/06/20

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

Greg Hall Oil & Gas, LLC

Job #: 5591-A

Operator: GREG HALL OIL & GAS, LLC

Lease Name and No.: CROSSROADS 5-36

Accessibility: From the North.

Directions: From the junction of "S 36500 RD." & "EW 57 RD." in the town of Terlton, OK, go 0.4 miles West on "EW 57 RD.", 1.1 miles South on "S 36500 RD.", then go 0.5 miles West on "EW 58 RD." to the Northeast Quarter of Section 36-20N-8E on the South side of the road.

1 inch = 0.25 mile

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