

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

API NUMBER: 061 22369

Approval Date: 01/30/2019

Expiration Date: 07/30/2020

Straight Hole

Disposal

PERMIT TO DRILL

WELL LOCATION: Sec: 31 Twp: 8N Rge: 19E County: HASKELL

SPOT LOCATION: FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 330 2003

Lease Name: STRAIT

Well No: 1-31 SWD

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

Operator Name: WATERBRIDGE ARKOMA OPERATING LLC

Telephone: 8042415876

OTC/OCC Number: 24139 0

WATERBRIDGE ARKOMA OPERATING LLC
840 GESSNER RD STE 100
HOUSTON, TX 77024-8201

MARY E REASONER
31324 W HWY 31
KINTA OK 74552

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

	Name	Depth		Name	Depth
1	UNION VALLEY	6845	6	MCLISH	7820
2	CROMWELL	6915	7	OIL CREEK	7940
3	VIOLA	7665	8	JOINS	8145
4	SIMPSON	7770	9		
5	TULIP CREEK	7820	10		

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 8200

Ground Elevation: 630

Surface Casing: 1000

Depth to base of Treatable Water-Bearing FM: 880

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

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: MCALESTER/HARTSHORNE

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-35920
H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

Notes:

This permit does not address the right of entry or settlement of surface damages.
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>12/16/2018 - 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: 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	1/30/2019 - GB1 - N/A - DISPOSAL WELL



Well Location Plat

Sec. 31-8N-19E I.M.

Operator: WATERBRIDGE ARKOMA OPERATING, LLC

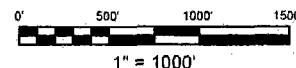
Lease Name and No.: STRAIT 1-31 SWD

Footage: 330' FSL - 2003' FWL Gr. Elevation: 630'

Section: 31 Township: 8N Range: 19E I.M.

County: Haskell State of Oklahoma

Terrain at Loc.: Location is highest in the middle and slopes down to the North and South sides.

All bearings shown
are grid bearings.

GPS DATUM

NAD 83

NAD 27

OK SOUTH ZONE

Surface Hole Loc.:

Lat: 35°07'03.18"N

Lon: 95°20'33.64"W

Lat: 35.11755109

Lon: -95.34267735

X: 2763123

Y: 659790

Surface Hole Loc.:

Lat: 35°07'02.83"N

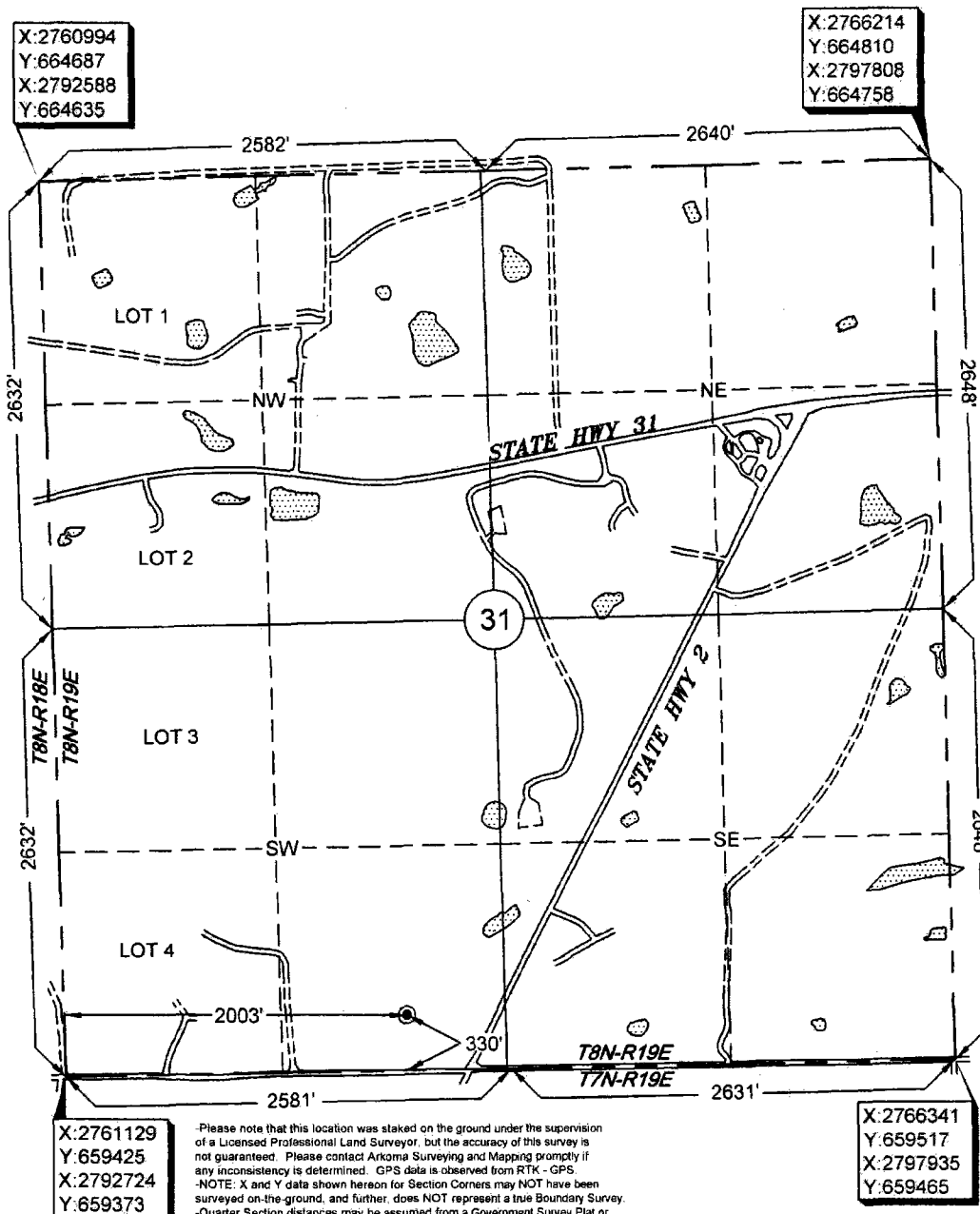
Lon: 95°20'32.74"W

Lat: 35.11745346

Lon: -95.34242647

X: 2794718

Y: 659738



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

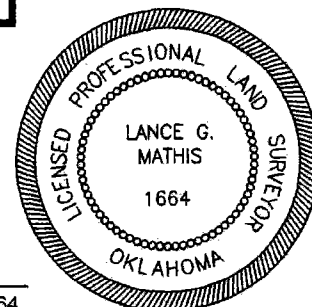
Certification:

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.

Lance G. Mathis
LANCE G. MATHIS

10/30/18

OK LPLS 1664



Invoice #8260

Date Staked: 10/19/18 By: H.S.

Date Drawn: 10/23/18 By: D.B.



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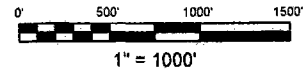
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X: 2760994
Y: 664687
X: 2792588
Y: 664635

X: 2766214
Y: 664810
X: 2797808
Y: 664758



X: 2761129
Y: 659425
X: 2792724
Y: 659373

-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.

X: 2766341
Y: 659517
X: 2797935
Y: 659465

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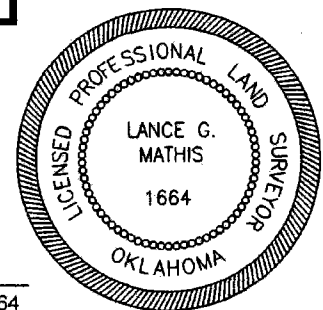
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