

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

API NUMBER: 083 24437

Approval Date: 10/01/2018

Expiration Date: 04/01/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 08 Twp: 16N Rge: 4W

County: LOGAN

SPOT LOCATION: ☐ SW ☐ SE ☐ SW ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 290 819

Lease Name: KIPGEN

Well No: 3-8MH

Well will be 290 feet from nearest unit or lease boundary.

Operator Name: STEPHENS PRODUCTION CO

Telephone: 4797834191

OTC/OCC Number: 23030 0

STEPHENS PRODUCTION CO
PO BOX 2407
FORT SMITH, AR 72902-2407

THOMAS JOE KIPGEN
354 SOUTH COUNCIL ROAD
CRESCENT OK 73028

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	6350	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 613119

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201805478

Special Orders:

Total Depth: 11800

Ground Elevation: 956

Surface Casing: 525

Depth to base of Treatable Water-Bearing FM: 240

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

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-35146
H. CLOSED SYSTEM=STEEL PITS (REQUIRED - CIMARRON RIVER)

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.

HORIZONTAL HOLE 1

Sec 08 Twp 16N Rge 4W County LOGAN

Spot Location of End Point: NW NW NE NW

Feet From: NORTH 1/4 Section Line: 148

Feet From: WEST 1/4 Section Line: 1391

Depth of Deviation: 6350

Radius of Turn: 780

Direction: 359

Total Length: 4225

Measured Total Depth: 11800

True Vertical Depth: 6700

End Point Location from Lease,
Unit, or Property Line: 150

Notes:

Category

Description

HYDRAULIC FRACTURING

8/7/2018 - G71 - OCC 165:10-3-10 REQUIRES:

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;

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,

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

PENDING CD - 201805478

8/23/2018 - G58 - (I.O.) 8-16N-4W
X608813 MSSP
COMPL. INT. NCT 150' FSL, NCT 150' FNL, NCT 660' FWL
NO OP. NAMED
REC 9/12/2018 (DENTON)

SPACING - 608814

8/23/2018 - G58 - (640)(HOR) 8-16N-4W
EST MSSP, OTHER
COMPL. INT. NLT 660' FB
(SUPERSEDE NON-PRODUCING, NON-HORIZONTAL SPACING UNITS; COEXIST WITH PRODUCING, NON-HORIZONTAL SPACING UNITS)

SPACING - 613119

8/23/2018 - G58 - (640)(HOR) 8-16N-4W
CONFIRM SP. ORDER 608813 & 608814 TO INCLUDE ADDITIONAL RESPONDENTS WHO WERE NOT NAMED IN THE INITIAL SPACING APPLICATIONS

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083 24437 KIPGEN 3-8MH



Well Location Plat

Sec. 8-16N-4W I.M.

Operator: STEPHENS PRODUCTION COMPANY
Lease Name and No.: KIPGEN 3-8MH
Footage: 290' FSL - 819' FWL Gr. Elevation: 956'
Section: 8 Township: 16N Range: 4W I.M.
County: Logan State of Oklahoma
Terrain at Loc.: Location fell on existing pad.

083-24437



All bearings shown
are grid bearings.

0' 500' 1000' 1500'

1" = 1000'

GPS DATUM

NAD 83

NAD 27

OK NORTH ZONE

Surface Hole Loc.:
Lat: 35°52'19.51"N
Lon: 97°39'13.76"W
X: 2071064
Y: 317636

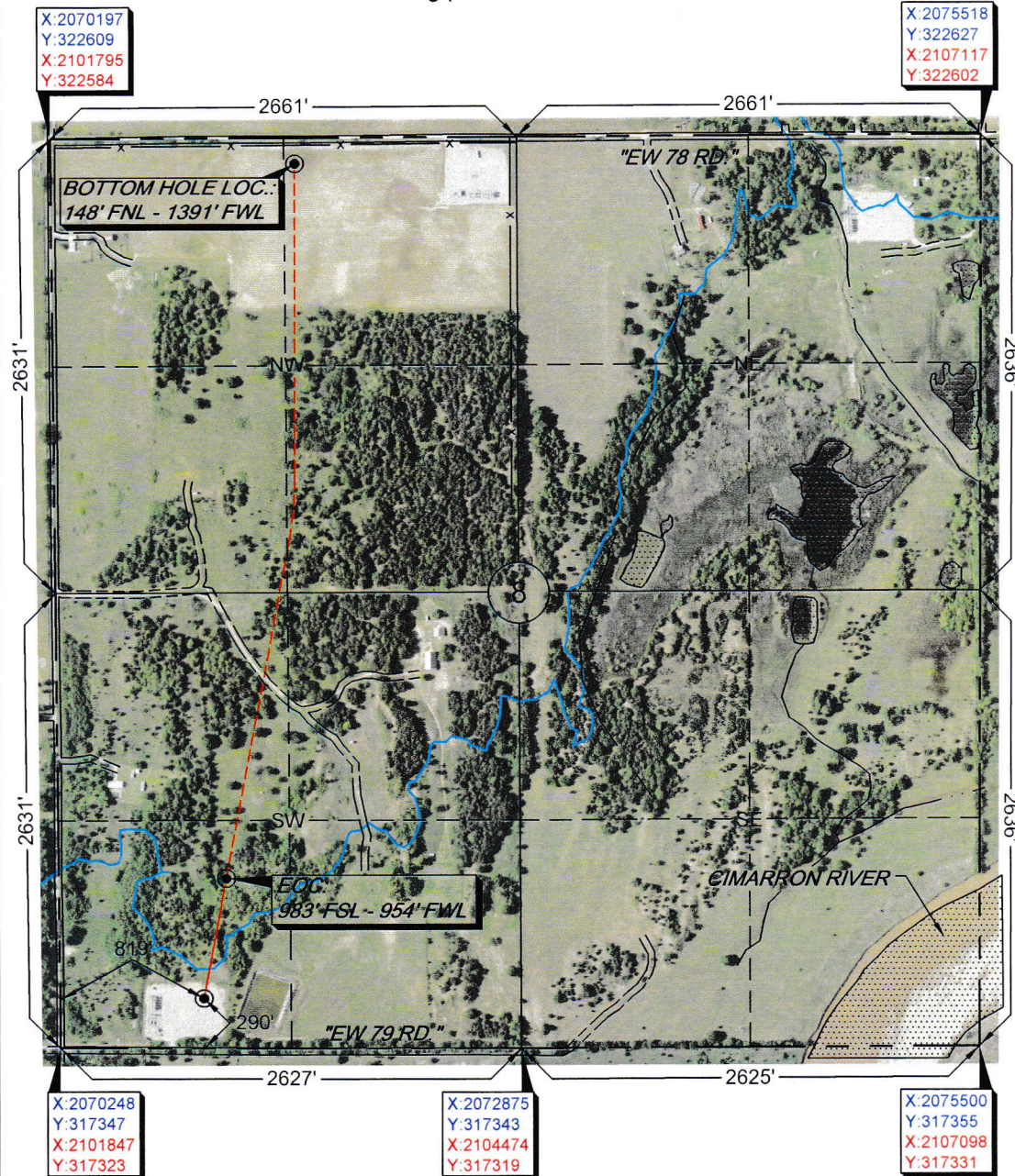
Surface Hole Loc.:
Lat: 35°52'19.34"N
Lon: 97°39'12.59"W
X: 2102663
Y: 317612

EOC:
Lat: 35°52'26.35"N
Lon: 97°39'12.17"W
X: 2071192
Y: 318329

EOC:
Lat: 35°52'26.19"N
Lon: 97°39'11.00"W
X: 2102791
Y: 318305

Bottom Hole Loc.:
Lat: 35°53'07.24"N
Lon: 97°39'07.18"W
X: 2071589
Y: 322465

Bottom Hole Loc.:
Lat: 35°53'07.08"N
Lon: 97°39'06.01"W
X: 2103187
Y: 322441



-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

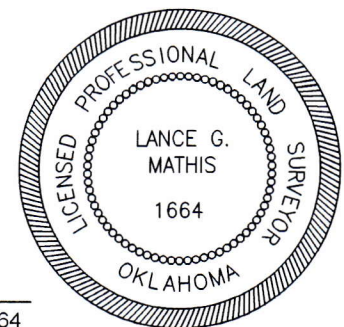
Certification:

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.

Lance G. Mathis
LANCE G. MATHIS

08/20/18

OK LPLS 1664



Invoice #4364-A
Date Staked: 07/19/18 By: D.K.
Date Drawn: 07/23/18 By: K.B.
Rev. Bore Path: 08/20/18 By: R.S.



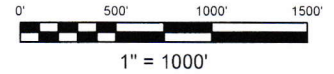
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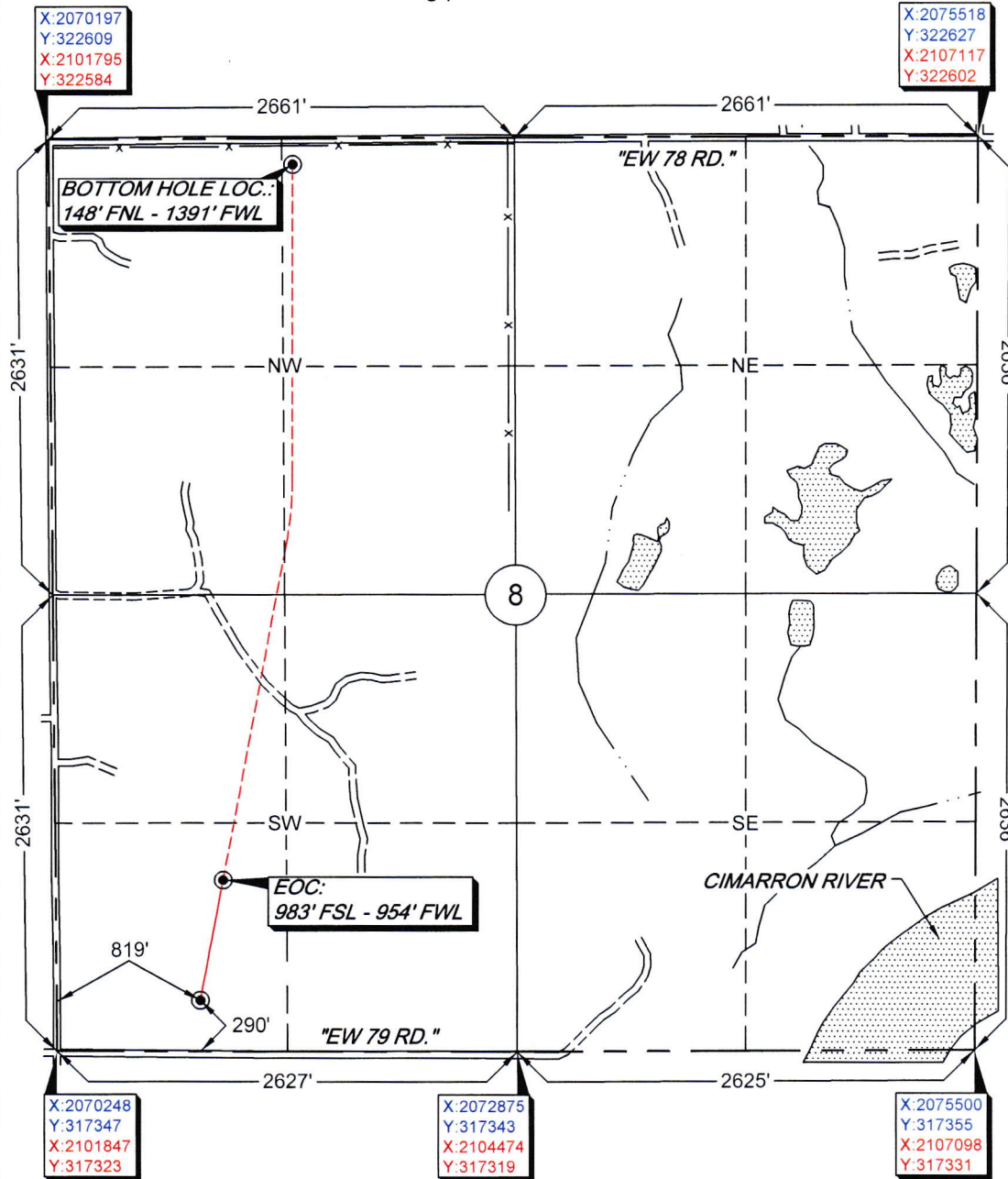
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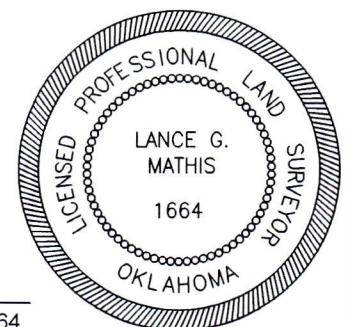
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LANCE G. MATHIS

08/20/18

OK LPLS 1664



Invoice #4364-A

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Date Drawn: 07/23/18 By: K.B.

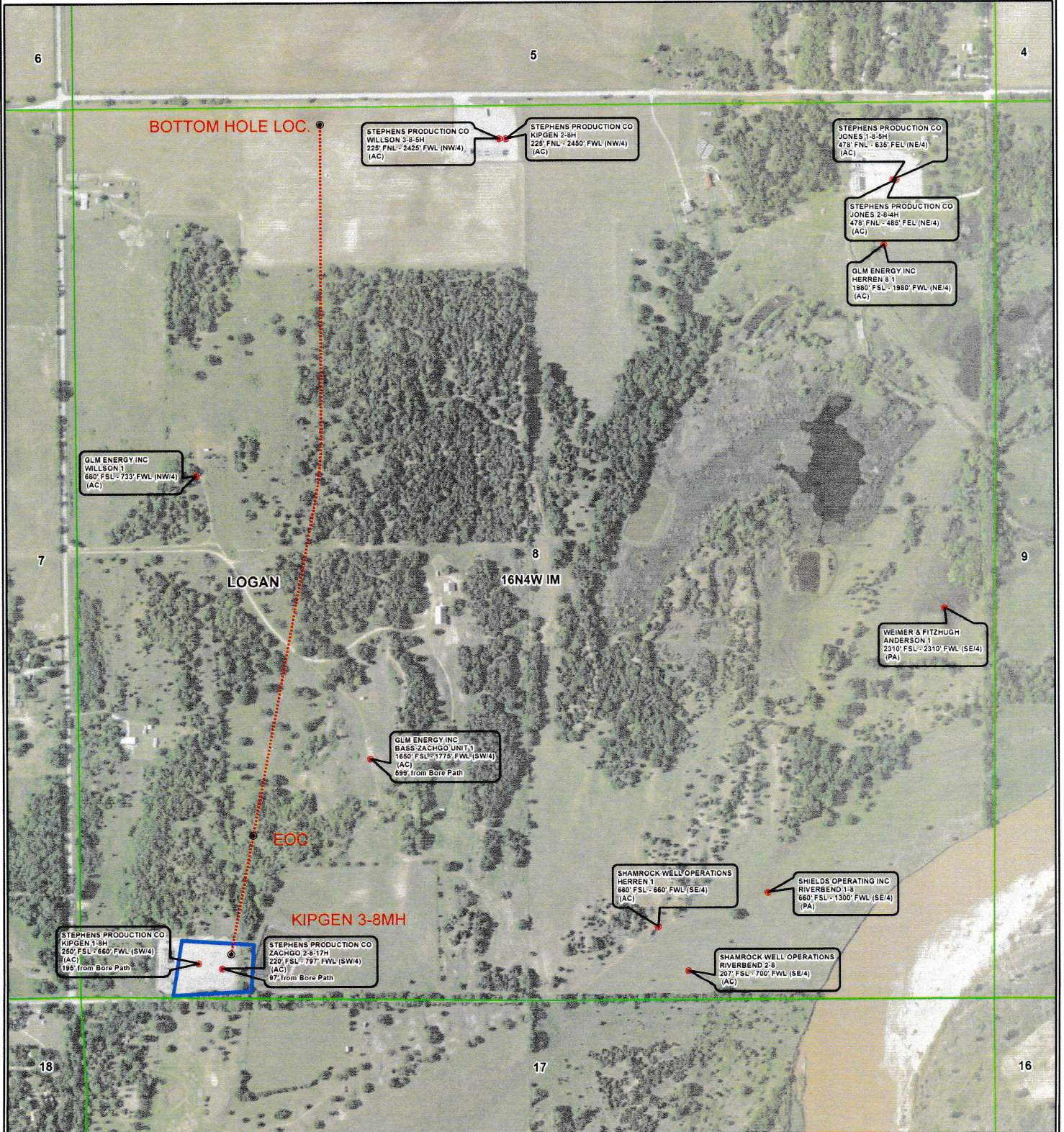
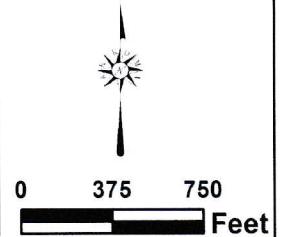
Rev. Bore Path: 08/20/18 By: R.S.



Anti-Collision

Sec. 8-16N-4W I.M.

Operator: STEPHENS PRODUCTION COMPANY
Lease Name and No.: KIPGEN 3-8MH
Surface Hole Location: 290' FSL - 819' FWL
EOC: 983' FSL - 954' FWL
Bottom Hole Location: 148' FNL - 1391' FWL
Sec. 8 Twp. 16N Rng. 4W I.M.
County: Logan State of Oklahoma





Topographic Vicinity Map

Operator: STEPHENS PRODUCTION COMPANY

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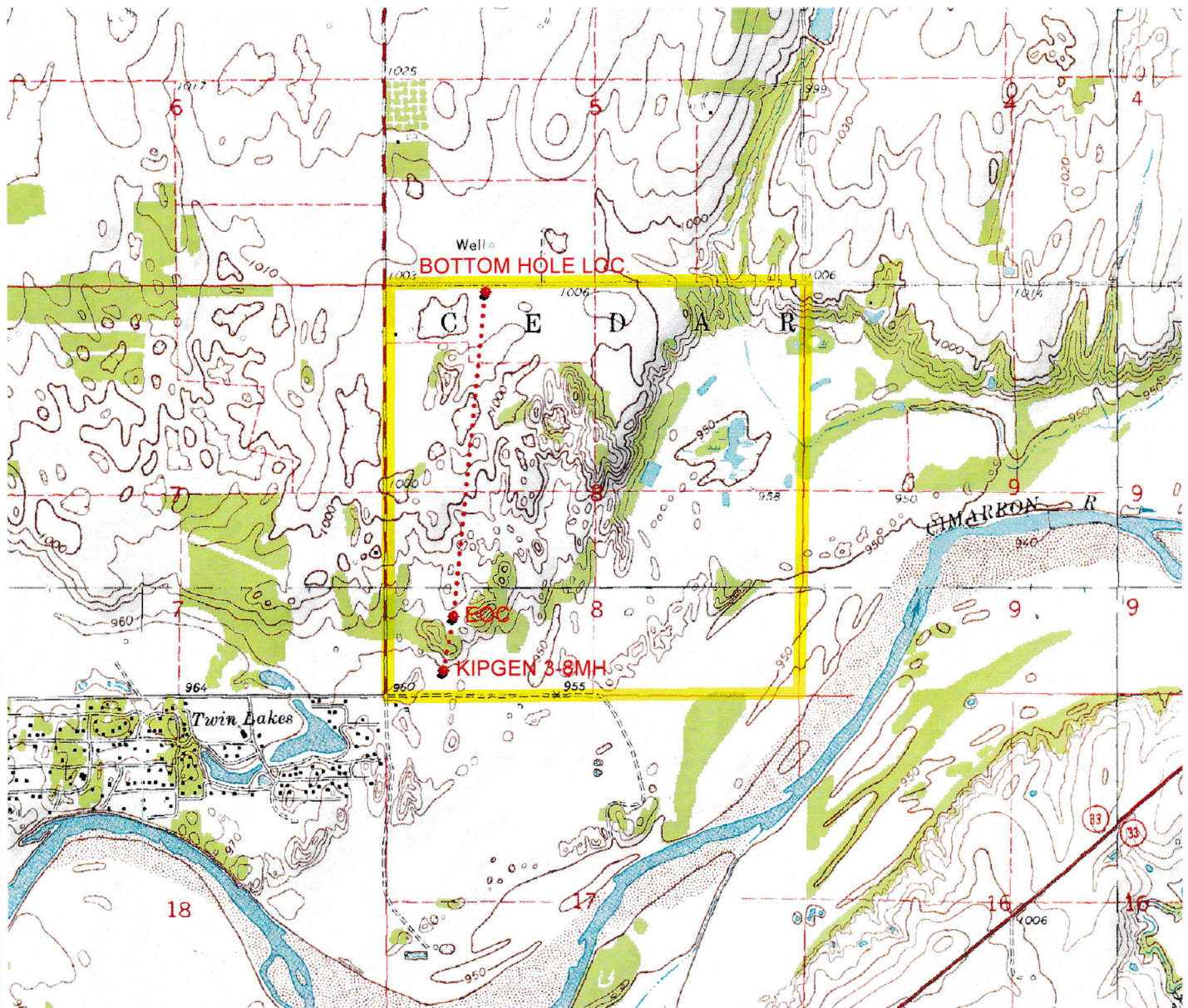
Sec. 8 Twp. 16N Rng. 4W I.M.

County: Logan State of Oklahoma



Scale 1" = 2000'
Contour Interval: 10'

Ground Elevation at Surface Hole Location: 956'



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Expires June 30, 2020

Date Staked: 07/19/18

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 #: 4364-A

Operator: STEPHENS PRODUCTION COMPANY

Lease Name and No.: KIPGEN 3-8MH

Accessibility: From the North.

Directions: From the junction of State HWY 74 & "Twin Lakes Rd" in the town of Cimarron City, OK, go 3.5 miles West on "Twin Lakes Rd", 1.9 miles South on "NS 300 RD.", then go 0.2 miles East on "University Ave" to the Southwest Quarter of Section 8-16N-4W on the North side of the road.



1 inch = 0.5 mile

provided by:
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