API NUMBER: 121 24865

Horizontal Hole
Multi Unit

Oil & Gas

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

Approval Date: 10/07/2019
Expiration Date: 04/07/2021

PERMIT TO DRILL

WELL LOCATION: Sec: 34 Twp: 8N Rge: 17E County: PITTSBURG

SPOT LOCATION: SW NW NW SW FEET FROM QUARTER: FROM **SOUTH** FROM **WEST**
SECTION LINES: **2275** **305**

Lease Name: GRETA **Well No: 1-33/4H** **Well will be 305 feet from nearest unit or lease boundary.**

Operator Name: **TRINITY OPERATING USG LLC** Telephone: 9185615600 OTC/OCC Number: 23879 0

TRINITY OPERATING USG LLC
1717 S BOULDER AVE STE 201
TULSA, OK 74119-4842

DAVID & SAMANTHA PRYOR
5676 LICK CREEK RD
QUINTON OK 74561

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

	Name	Depth		Name	Depth
1	MISSISSIPPIAN	7400	6		
2	MAYES	7668	7		
3	WOODFORD	7794	8		
4	HUNTON	7849	9		
5	SYLVAN	7859	10		

Spacing Orders: 700067, 685305, 670906, 99845

Location Exception Orders: 700068

Increased Density Orders: 698556, 697784

Pending CD Numbers: 201902376, 201902377, 201904967

Special Orders:

Total Depth: 16221 Ground Elevation: 691 **Surface Casing: 140** Depth to base of Treatable Water-Bearing FM: 90

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: ON SITE
Type of Mud System: AIR

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 not** located in a Hydrologically Sensitive Area.
Category of Pit: 4
Liner not required for Category: 4
Pit Location is NON HSA
Pit Location Formation: BOGGY

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.
B. Solidification of pit contents.

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

Mud System Change to Water-Based or Oil-Based Mud Requires an Amended Intent (Form 1000).

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.

PIT 2 INFORMATION

Type of Pit System: ON SITE

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 not** located in a Hydrologically Sensitive Area.

Category of Pit: 2

Liner not required for Category: 2

Pit Location is NON HSA

Pit Location Formation: BOGGY

PIT 3 INFORMATION

Type of Pit System: ON SITE

Type of Mud System: OIL BASED

Chlorides Max: 300000 Average: 200000

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 not** located in a Hydrologically Sensitive Area.

Category of Pit: 3

Liner required for Category: 3

Pit Location is NON HSA

Pit Location Formation: BOGGY

HORIZONTAL HOLE 1

Sec 04 Twp 7N Rge 17E County PITTSBURG

Spot Location of End Point: SE SW SE SE

Feet From: SOUTH 1/4 Section Line: 1

Feet From: EAST 1/4 Section Line: 930

Depth of Deviation: 8100

Radius of Turn: 432

Direction: 185

Total Length: 7442

Measured Total Depth: 16221

True Vertical Depth: 7859

End Point Location from Lease,
Unit, or Property Line: 1

Notes:

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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	9/26/2019 - GC2 - 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: OCCEWEB.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
INCREASED DENSITY - 697784	10/7/2019 - GC2 - 33-8N-17E X685305 WDFD 1 WELL TRINITY OPERATING (USG), LLC 6-14-2019
INCREASED DENSITY - 698556	10/7/2019 - GC2 - 4-7N-17E X670906 WDFD 1 WELL TRINITY OPERATING (USG), LLC 6-28-2019
LOCATION EXCEPTION - 700068	10/7/2019 - GC2 - (I.O.) 4-7N-17E & 33-8N-17E X670906 MSSP, WDFD, HNTN, SLVN 4-7N-17E X685305 MYES, WDFD, SLVN 33-8N-17E COMPL. INT. (33-8N-17E) NCT 2,640' FNL, NCT 0' FSL, NCT 380' FEL COMPL. INT. (4-7N-17E) NCT 0' FNL, NCT 165' FSL, NCT 380' FEL TRINITY OPERATING (USG), LLC 7-31-2019 ***NPT FILED TO CORRECT SP PER ATTORNEY FOR OPR
MEMO	9/26/2019 - GC2 - PITS 2 & 3 - CONCRETE LINED PIT PER OPERATOR REQUEST, PIT 3 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 201902376	10/7/2019 - GB1 - NPT TO CORRECT MU IO #700067 PARAGRAPH 9 TO INCLUDE SP 99845 HNTN
PENDING CD - 201902377	10/7/2019 - GB1 - NPT TO CORRECT LE IO #700068 PARAGRAPH 6 TO INCLUDE SP 99845 HNTN
PENDING CD - 201904967	10/7/2019 - GC2 - (I.O.) 33-8N-17E RULE 165:10-3-28(C)(2)(B) WDFD (GRETA 1-33/4H) MAY BE CLOSER THAN 600' TO TAMARA 3-33/28/21H TRINITY OPERATING (USG), LLC HEARING 10-28-2019 OK PER MCCOY
SPACING - 670906	10/7/2019 - GC2 - (640)(HOR) 4-7N-17E EST MSSP, WDFD, HNTN, SLVN COMPL. INT. (MSSP, HNTN) NCT 660' FB COMPL. INT. (SLVN) NCT 330' FB COMPL. INT. (WDFD) NCT 165' FNL/FSL, NCT 330' FEL/FWL (COEXIST SP ORDER 99845 HNTN)
SPACING - 685305	10/7/2019 - GC2 - (640)(HOR) 33-8N-17E EST MYES, WDFD, SLVN COMPL. INT. (MYES) NCT 660' FB COMPL. INT. (WDFD) NCT 165' FNL/FSL, NCT 330' FEL/FWL COMPL. INT. (SLVN) NCT 330' FB
SPACING - 700067	10/7/2019 - GC2 - (I.O.) 4-7N-17E & 33-8N-17E EST MULTIUNIT HORIZONTAL WELL X670906 MSSP, WDFD, HNTN, SLVN 4-7N-17E X685305 MYES, WDFD, SLVN 33-8N-17E (MSSP, MYES, HNTN, SLVN ASSOCIATED COMMON SOURCE OF SUPPLY TO WDFD) 66.7% 4-7N-17E 33.3% 33-8N-17E TRINITY OPERATING (USG), LLC 7-31-2019 *** NPT FILED TO CORRECT SP PER ATTORNEY FOR OPR
SPACING - 99845	10/7/2019 - GC2 - (640) 4-7N-17E & 33-8N-17E EXT 92138 HNTN, OTHERS

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Well Location Plat

S.H.L. Sec. 34-8N-17E I.M.
B.H.L. Sec. 4-7N-17E I.M.

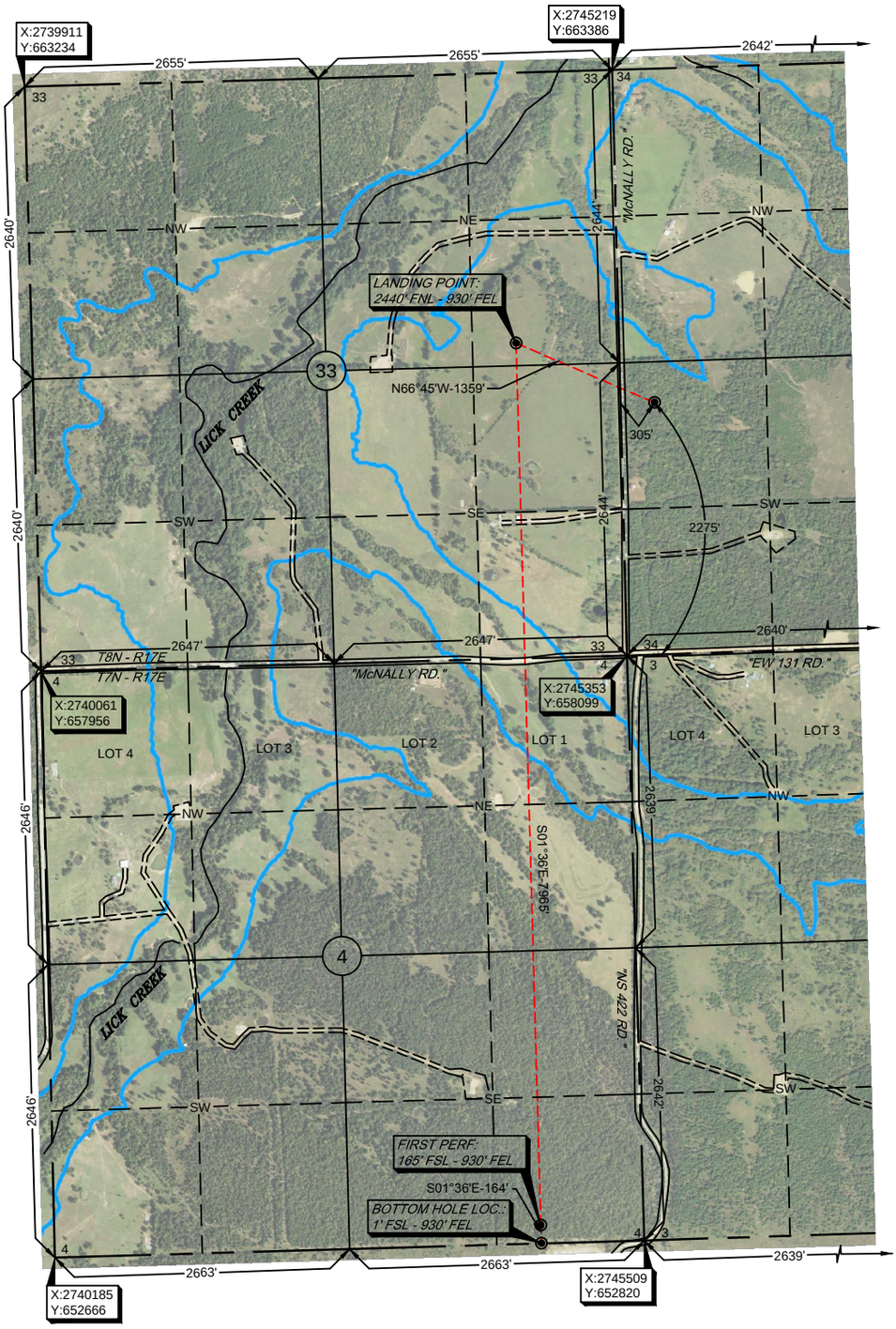
Operator: TRINITY OPERATING
Lease Name and No.: GRETA 1-33/4H
Footage: 2275' FSL - 305' FWL Gr. Elevation: 691'
Section: 34 Township: 8N Range: 17E I.M.
County: Pittsburg State of Oklahoma
Terrain at Loc.: Location fell in timber and slopes down to the East.

API: 121-24865

All bearings shown are grid bearings.

0' 750 1500 2250

1" = 1500'



GPS DATUM
NAD 27
OK SOUTH ZONE

Surface Hole Loc.:
Lat: 35°07'21.61"N
Lon: 95°30'23.66"W
Lat: 35.12266875
Lon: -95.50657132
X: 2745595
Y: 660383

Landing Point:
Lat: 35°07'27.22"N
Lon: 95°30'38.47"W
Lat: 35.12422766
Lon: -95.51068581
X: 2744351
Y: 660920

First Perf:
Lat: 35°06'08.44"N
Lon: 95°30'38.14"W
Lat: 35.10234323
Lon: -95.51059564
X: 2744575
Y: 652958

Bottom Hole Loc.:
Lat: 35°06'06.81"N
Lon: 95°30'38.14"W
Lat: 35.10189264
Lon: -95.51059378
X: 2744579
Y: 652794

-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

Invoice #8114-B
Date Staked: 08/28/18 By: H.S.
Date Drawn: 08/31/18 By: C.K.
SHL Rev.: 03/28/19 By: M.K.
SHL Rev.: 09/24/19 By: J.C.

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.

09/26/19

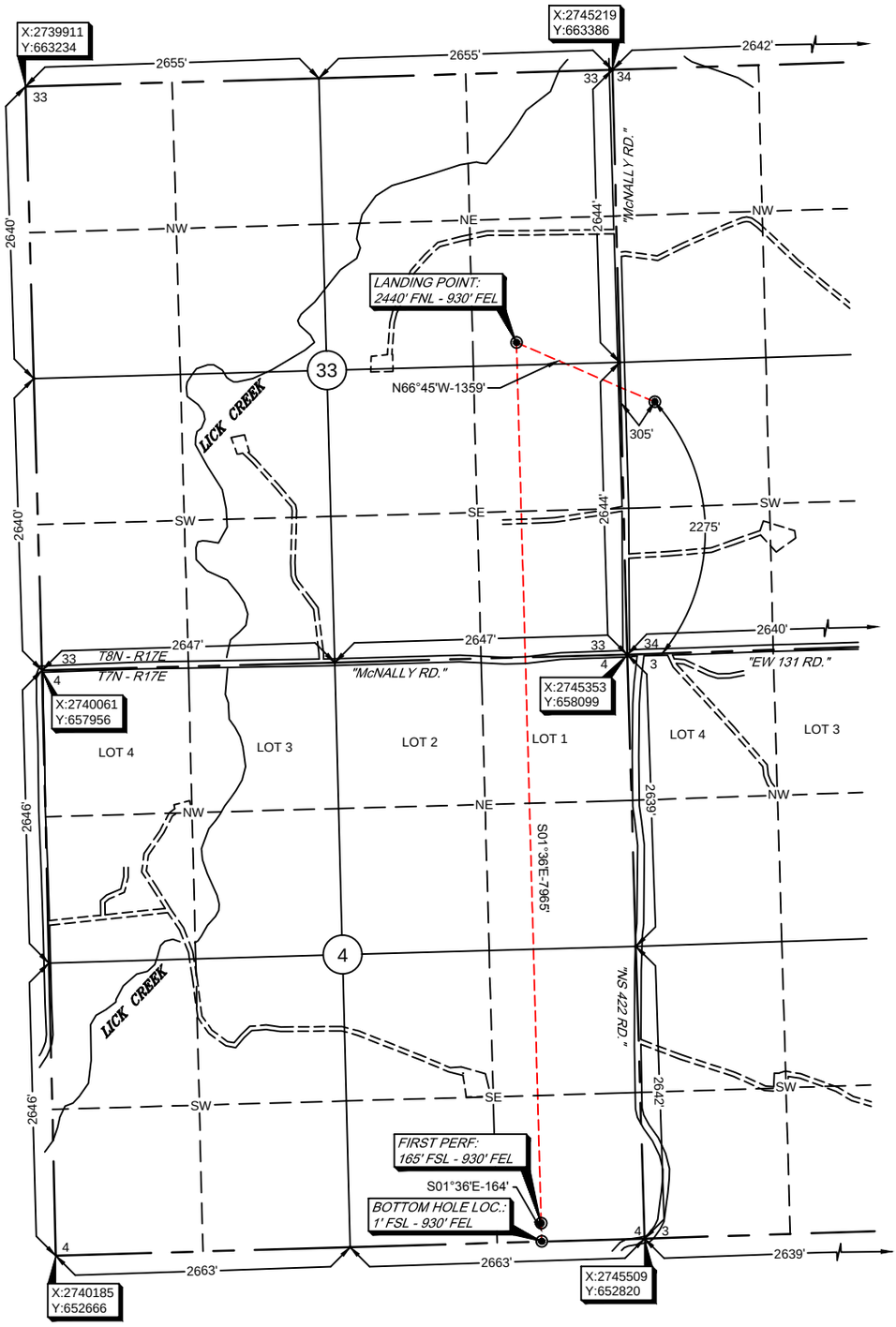
LANCE G. MATHIS OK LPLS 1664

PROFESSIONAL LAND SURVEYOR
LICENSED
LANCE G. MATHIS
1664
OKLAHOMA

Well Location Plat

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B.H.L. Sec. 4-7N-17E I.M.

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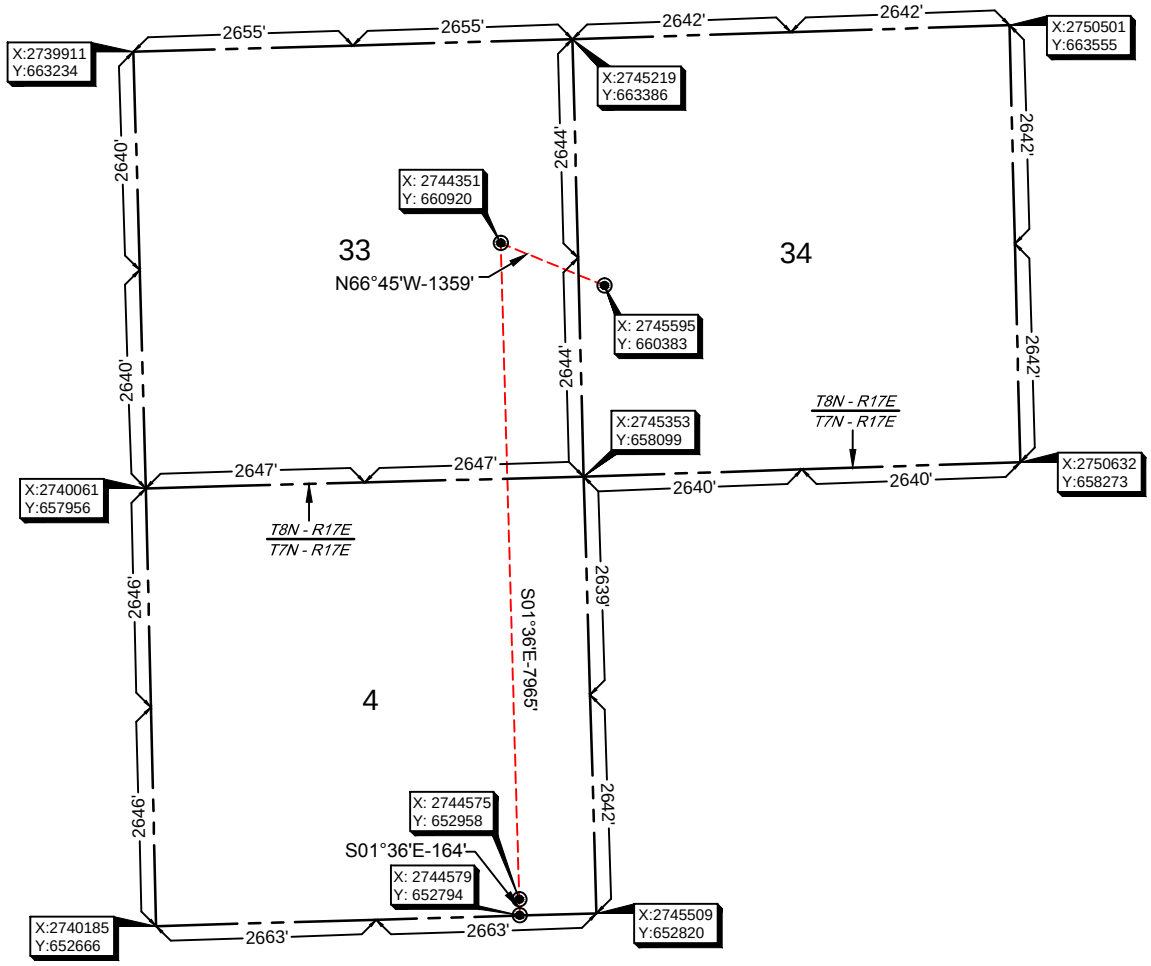
TRINITY OPERATING X & Y Data Sheet

S.H.L. Sec. 34-8N-17E I.M.
B.H.L. Sec. 4-7N-17E I.M.

Operator: TRINITY OPERATING
Lease Name and No.: GRETA 1-33/4H
Footage: 2275' FSL - 305' FWL Gr. Elevation: 691'
Sec. 34 Twp. 8N Rng. 17E I.M.
Landing Point: 2440' FNL - 930' FEL
Sec. 33 Twp. 8N Rng. 17E I.M.
First Perf: 165' FSL - 930' FEL
Bottom Hole Location: 1' FSL - 930' FEL
Sec. 4 Twp. 7N Rng. 17E I.M.
County: Pittsburg State of Oklahoma

NO SCALE

GPS DATUM
NAD 27
OK SOUTH ZONE



Provided by:
Arkoma Surveying and Mapping, PLLC
P.O. Box 238 Wilburton, OK 74578
Ph. 918-465-5711 Fax 918-465-5030

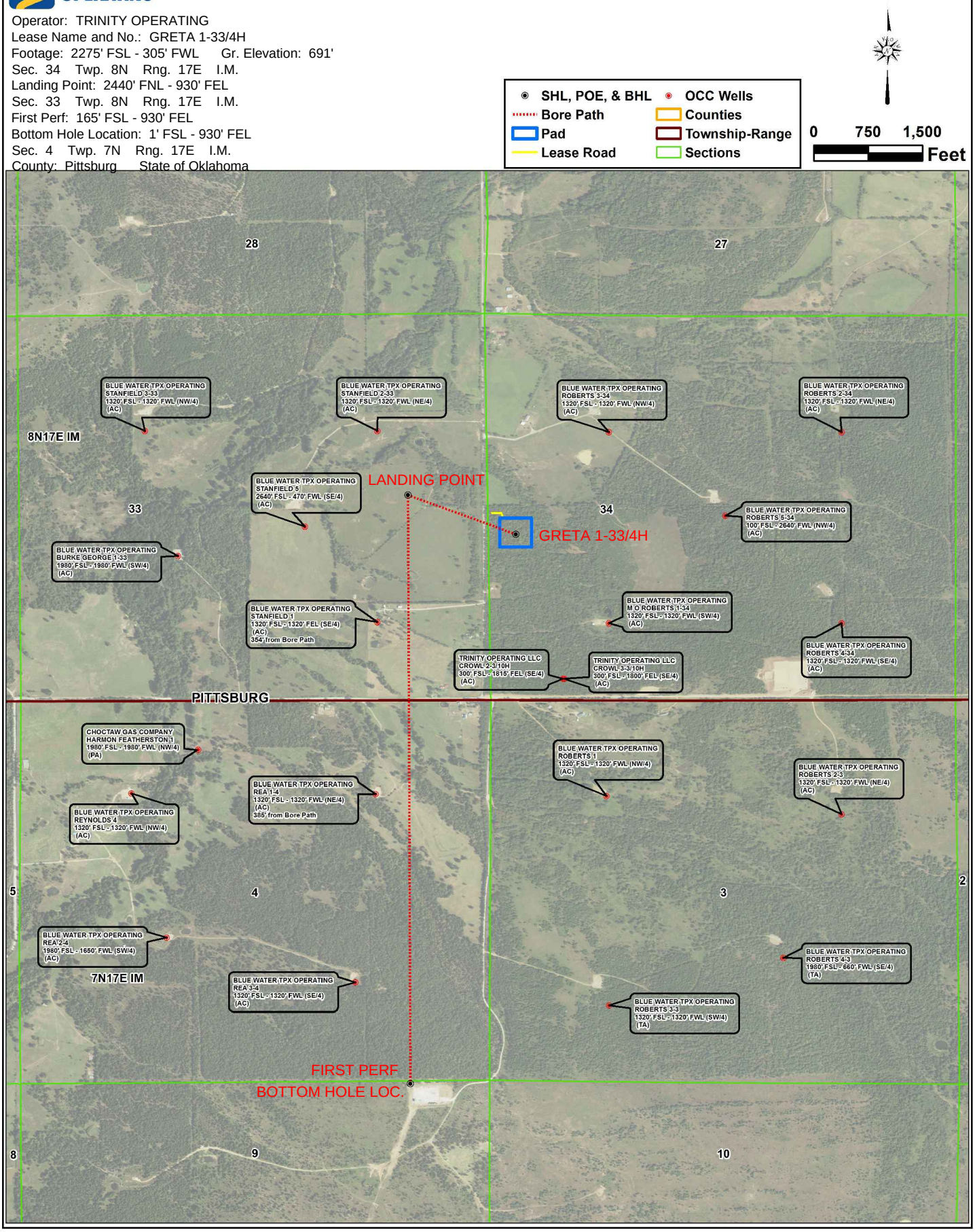
Certificate of Authorization No. 5348
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Anti-Collision

Sec. 34-8N-17E I.M.

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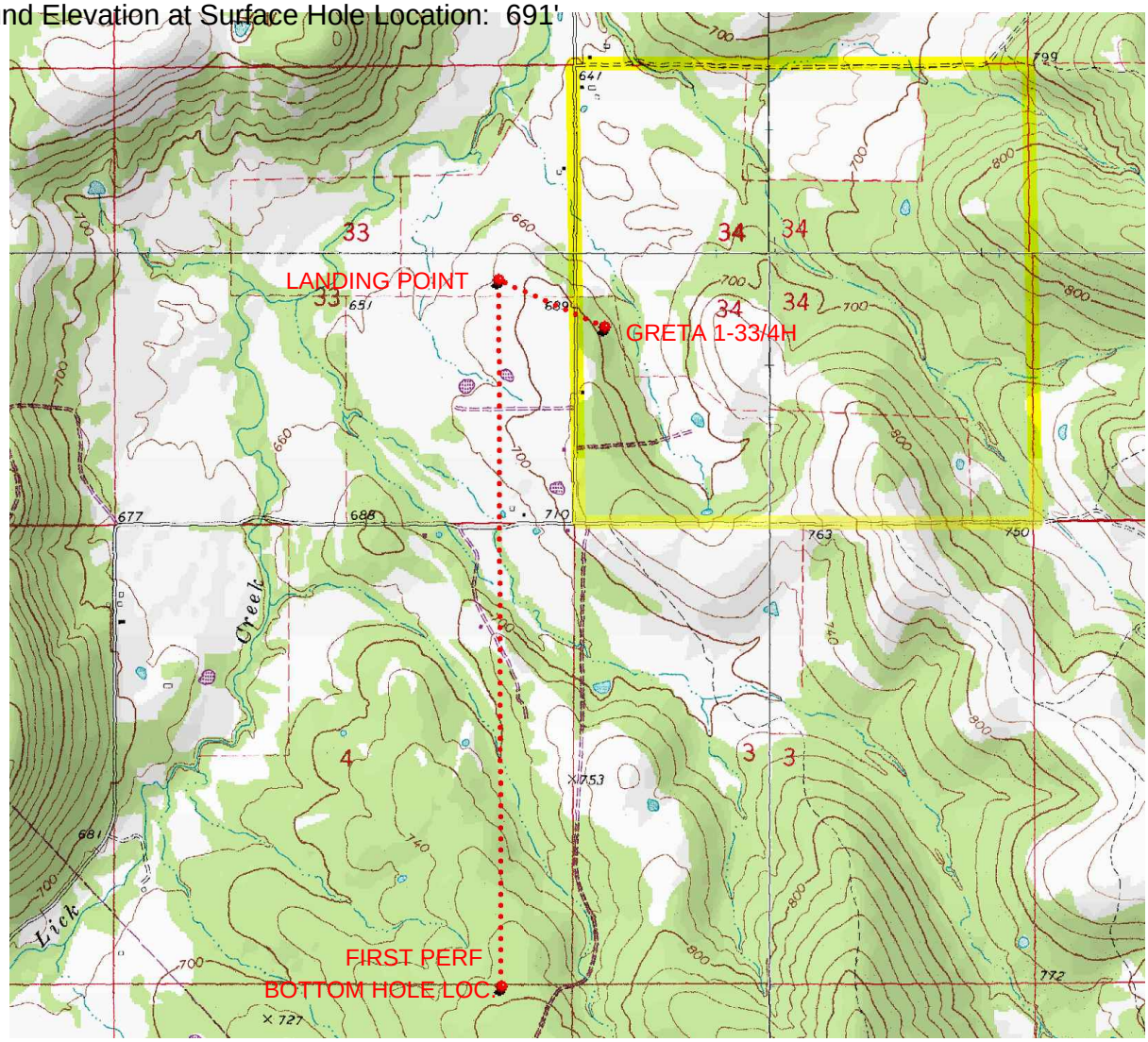


Topographic Vicinity Map

Operator: TRINITY OPERATING
Lease Name and No.: GRETA 1-33/4H
Surface Hole Location: 2275' FSL - 305' FWL
Sec. 34 Twp. 8N Rng. 17E I.M.
Landing Point: 2440' FNL - 930' FEL
Sec. 33 Twp. 8N Rng. 17E I.M.
First Perf: 165' FSL - 930' FEL
Bottom Hole Location: 1' FSL - 930' FEL
Sec. 4 Twp. 7N Rng. 17E I.M.
County: Pittsburg State of Oklahoma

Scale 1" = 2000'
Contour Interval: 20'

Ground Elevation at Surface Hole Location: 691'



Provided by:
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P.O. Box 238 Wilburton, OK 74578
Ph. 918-465-5711 Fax 918-465-5030

Certificate of Authorization No. 5348
Expires June 30, 2020

Date Staked: N/A

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

TRINITY OPERATING

Job #: 8114-B
Operator: TRINITY OPERATING
Lease Name and No.: GRETA 1-33/4H
Accessibility: From the South.
Directions: From the junction of "Blocker Rd" & State HWY 31 in the town of Blocker, OK, go 1.8 miles North on State HWY 31, 1.5 miles North on "Lick Creek Rd", continue 3.9 miles Northeast on "McNally Rd" to the Southwest Quarter of Section 34-8N-17E on the East side of the road.

1 inch = 0.75 mile

provided 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, 2018

