

API NUMBER: 121 24882

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

Approval Date: 11/19/2021
Expiration Date: 05/19/2023

Multi Unit Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 24 Township: 5N Range: 13E County: PITTSBURG

SPOT LOCATION: ☐ NW ☐ SE ☐ SE ☐ SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 658 2208

Lease Name: PAYDEN Well No: 2-24/13/12H Well will be 658 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

JOEL R MORGAN AND ELIZABETH JOHNSTON MORGAN
6375 W.STATE HWY 31
MCALESTER OK 74501

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

	Name	Code	Depth
1	MISSISSIPPIAN	359MSSP	8450
2	WOODFORD	319WDFD	8700
3	SYLVAN	203SLVN	8870

Spacing Orders: 485812
493707
510201
645299
110672

Location Exception Orders: No Exceptions

Increased Density Orders: No Density

Pending CD Numbers: 202102462
202102464
202102466
202102467
202102468

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 23700 Ground Elevation: 696

Surface Casing: 300

Depth to base of Treatable Water-Bearing FM: 80

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

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 21-37919
H. (Other) SEE MEMO

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 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 <u>is not</u> 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 Mud System Change to Water-Based or Oil-Based Mud Requires an Amended Intent (Form 1000).
PIT 2 INFORMATION 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 <u>is not</u> located in a Hydrologically Sensitive Area.	Category of Pit: C Liner not required for Category: C Pit Location is: NON HSA Pit Location Formation: BOGGY
PIT 3 INFORMATION Type of Pit System: CLOSED Closed System Means Steel Pits 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 <u>is not</u> located in a Hydrologically Sensitive Area.	Category of Pit: C Liner not required for Category: C Pit Location is: NON HSA Pit Location Formation: BOGGY

MULTI UNIT HOLE 1			
Section: 12	Township: 5N	Range: 13E	Meridian: 1M
County: PITTSBURG		Total Length: 13500	
Spot Location of End Point: SW SE SW NW		Measured Total Depth: 23700	
Feet From: NORTH		True Vertical Depth: 9300	
Feet From: WEST		End Point Location from Lease, Unit, or Property Line: 950	
1/4 Section Line: 2536			
1/4 Section Line: 950			

Additional Surface Owner(s)	Address	City, State, Zip
ANDREW LEHNHARD JOHNSTON	2497 LEHNHARD RD	MCALESTER, OK 74501

NOTES:	
Category	Description
HYDRAULIC FRACTURING	<p>[11/12/2021 - GC2] - OCC 165:10-3-10 REQUIRES:</p> <p>1) NOTICE SHALL BE GIVEN AT LEAST 5 BUSINESS DAYS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS ON A HORIZONTAL WELL TO OPERATORS PRODUCING WELLS WITHIN 1 MILE OF THE COMPLETION INTERVAL OF THE SUBJECT WELL. THE NOTICE TO SUCH OPERATORS SHALL CONTAIN THE INFORMATION IN FORM 6000NHO. IF THE HYDRAULIC FRACTURING OPERATIONS SCHEDULE CHANGES AFTER NOTICE HAS BEEN PROVIDED, RESULTING IN A DELAY OF OPERATIONS OF MORE THAN 5 DAYS FROM THE INITIAL NOTICE, NEW NOTICE IS REQUIRED TO BE GIVEN;</p> <p>2) NOTICE WILL BE GIVEN TO THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS. FORM 6000NHF SHALL BE USED AND IS FOUND AT THIS LINK: OCCEWEB.COM/OG/OGFORMS.HTML; AND,</p> <p>3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS IS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION OF HYDRAULIC FRACTURING OPERATIONS, FOUND AT FRACFOCUS.ORG</p>
MEMO	[11/12/2021 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

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.

PENDING CD – 202102462	[11/17/2021 - GB6] - (E.O.) 12 & 13 & 24 -5N-13E EST MULTIUNIT HORIZONTAL WELL X493707 MSSP, WDFD, SLVN 12-5N-13E X510201 MSSP, WDFD, SLVN 13-5N-13E X485812 MSSGP, WDFD 24-5N-13E X110672 HNTN 12, 13, 24 -5N-13W (MSSP, MSSGP, HNTN, SLVN ADJACENT COMMON SOURCES OF SUPPLY TO WDFD. HNTN IS ERRATIC IN THIS AREA AND MAY OR NOT BE PRESENT) 20% 12-5N-13E 41% 13-5N-13E 39% 24-5N-13E NO OPER NAMED REC 11/19/2021 (MOORE)
PENDING CD – 202102464	[11/17/2021 - GB6] - (E.O.) 12, 13, 24 -5N-13E X493707 MSSP, WDFD, SLVN 12-5N-13E X510201 MSSP, WDFD, SLVN 13-5N-13E X485812 MSSGP, WDFD 24-5N-13E X110672 HNTN 12, 13, 24 -5N-13W COMPL. INT. (24-5N-13E) NCT 165' FSL, NCT 0' FNL, NCT 330' FWL COMPL. INT. (13-5N-13E) NCT 0' FSL, NCT 0' FNL, NCT 330' FWL COMPL. INT. (12-5N-13E) NCT 0' FSL, NCT 165' FNL, NCT 330' FWL NO OPER NAMED REC 11/19/2021 (MOORE)
PENDING CD – 202102466	[11/17/2021 - GB6] - (E.O.) 12-5N-13E X493707 WDFD 2 WELLS NO OPER NAMED REC 11/19/2021 (MOORE)
PENDING CD – 202102467	[11/17/2021 - GB6] - (E.O.) 13-5N-13E X510201 WDFD 2 WELLS NO OPER NAMED REC 11/19/2021 (MOORE)
PENDING CD – 202102468	[11/17/2021 - GB6] - (E.O.) 24-5N-13E X485812 WDFD 2 WELLS NO OPER NAMED REC 11/19/2021 (MOORE)
SPACING – 110672	[11/17/2021 - GB6] - (640) 12, 13, 24 -5N-13E EXT OTHERS EST HNTN, OTHERS
SPACING – 485812	[11/17/2021 - GB6] - (640) 24-5N-13E EST MSSGP, WDFD, OTHERS
SPACING – 493707	[11/17/2021 - GB6] - (640) 12-5N-13E EXT OTHERS EST CNEY, MSSP, WDFD, SLVN, OTHERS (VAC BY 645299 FOR CNEY IN 12-5N-13E)
SPACING – 510201	[11/17/2021 - GB6] - (640) 13-5N-13E EXT 485990 MSSP, WDFD, OTHERS EXT 500889 SLVN EXT OTHER
SPACING – 645299	[11/17/2021 - GB6] - X493707 VAC CNEY 12-5N-13E



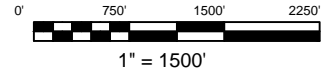
Well Location Plat

S.H.L. Sec. 24-5N-13E I.M.
B.H.L. Sec. 12-5N-13E I.M.

Operator: TRINITY OPERATING
Lease Name and No.: PAYDEN 2-24/13/12H
Surface Hole Location: 658' FSL - 2208' FWL Gr. Elevation: 696'
NW/4-SE/4-SE/4-SW/4 Section: 24 Township: 5N Range: 13E I.M.
Bottom Hole Location: 2536' FNL - 950' FWL
SW/4-SE/4-SW/4-NW/4 Section: 12 Township: 5N Range: 13E I.M.
County: Pittsburg State of Oklahoma
Terrain at Loc.: Location fell on existing level pad site



All bearings shown
are grid bearings.



GPS DATUM
NAD 27
OK SOUTH ZONE

Surface Hole Loc.:
Lat: 34°53'08.55"N
Lon: 95°53'15.17"W
Lat: 34.88570905
Lon: -95.88754680
X: 2633497
Y: 571560

First Take Point:
Lat: 34°53'03.81"N
Lon: 95°53'30.27"W
Lat: 34.88439091
Lon: -95.89174075
X: 2632250
Y: 571054

Last Take Point:
Lat: 34°55'12.41"N
Lon: 95°53'30.15"W
Lat: 34.92011420
Lon: -95.89170785
X: 2631988
Y: 584053

Bottom Hole Loc.:
Lat: 34°55'14.03"N
Lon: 95°53'30.15"W
Lat: 34.92056482
Lon: -95.89170837
X: 2631985
Y: 584217

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, 2022

Invoice #9630-A-A
Date Staked: 11/11/2021 By: H.S.
Date Drawn: 11/11/2021 By: J.L.
Added BHL: 11/12/2021 By: J.L.

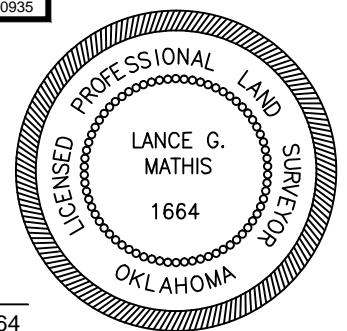
Certification:

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

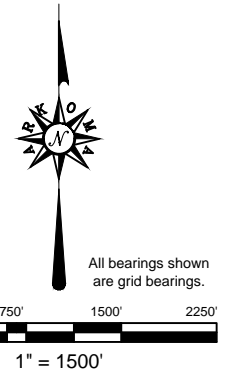
11/15/2021

OK LPLS 1664





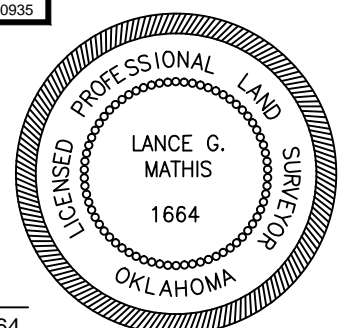
Operator: TRINITY OPERATING
Lease Name and No.: PAYDEN 2-24/13/12H
Surface Hole Location: 658' FSL - 2208' FWL Gr. Elevation: 696'
NW/4-SE/4-SE/4-SW/4 Section: 24 Township: 5N Range: 13E I.M.
Bottom Hole Location: 2536' FNL - 950' FWL
SW/4-SE/4-SW/4-NW/4 Section: 12 Township: 5N Range: 13E I.M.
County: Pittsburg State of Oklahoma
Terrain at Loc.: Location fell on existing level pad site 2645'



Bottom Hole Loc.:
Lat: 34°55'14.03"N
Lon: 95°53'30.15"W
Lat: 34.92056482
Lon: -95.89170837
X: 2631985
Y: 584217

Please note that this location was selected on the ground under the supervision of a licensed professional Land Surveyor, but the accuracy of this survey is not guaranteed. Please contact Aconis Surveying and Mapping promptly if any inconsistency is identified. GPS data is observed from RTK - GPS, N-OTC X and Y data shown herein 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.

OK LPLS 1664



TRINITY OPERATING **Anti-Collision**

Sec(s). 24, 13, & 12-5N-13E I.M.

Operator: TRINITY OPERATING
Lease Name and No.: PAYDEN 2-24/13/12H
Surface Hole Location: 658' FSL - 2208' FWL
First Take Point: 165' FSL - 950' FWL
Section: 24 Township: 5N Range: 13E I.M.
Last Take Point: 2580' FSL - 950' FWL
Bottom Hole Location: 2536' FNL - 950' FWL
Section: 12 Township: 5N Range: 13E I.M.
County: Pittsburg State of Oklahoma

● SHL

● FTP, LTP, & BHL

..... Bore Path

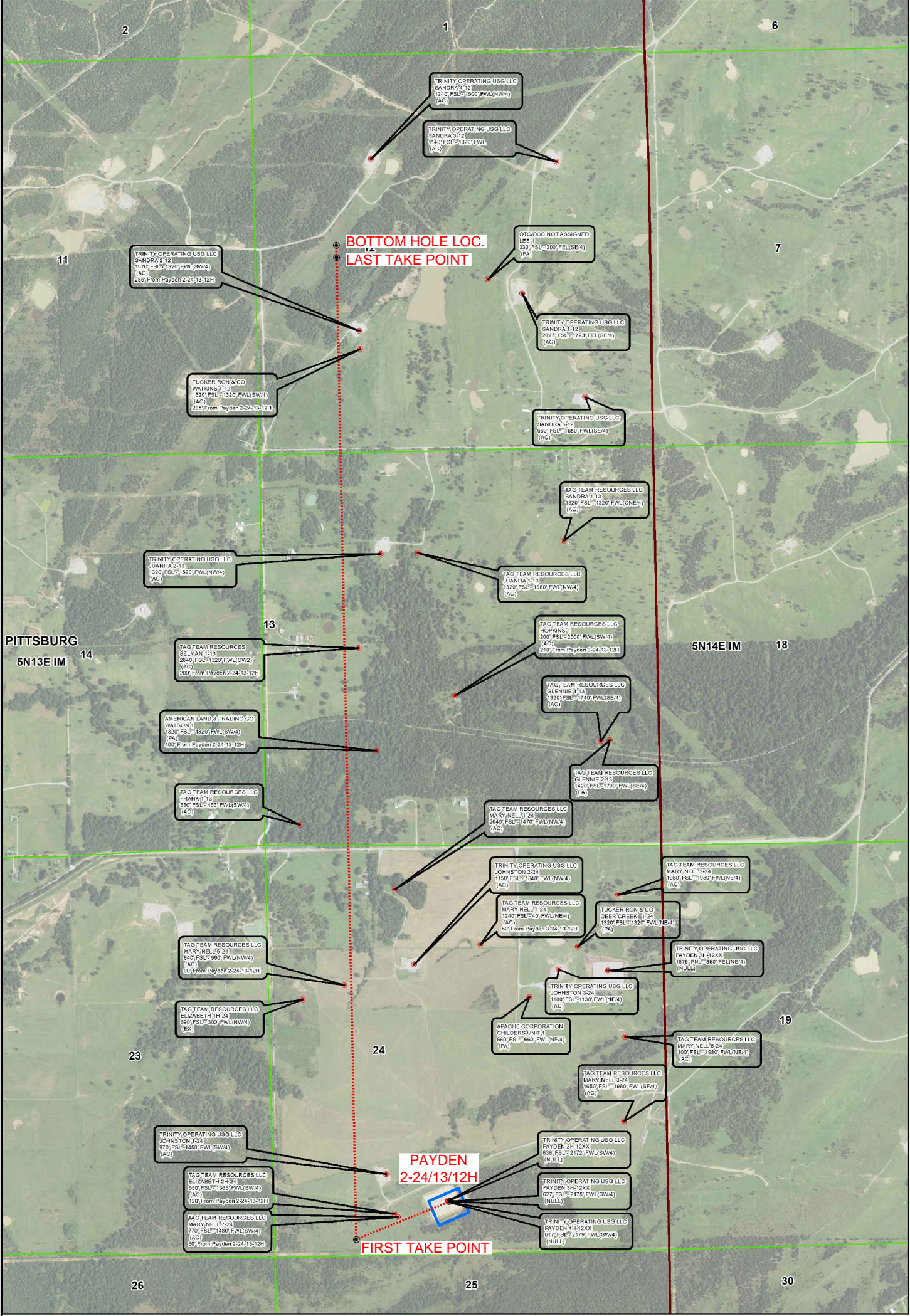
● OCC Wells

PAD

Counties

Township-Range

Sections





Topographic Vicinity Map

Operator: TRINITY OPERATING

Lease Name and No.: PAYDEN 2-24/13/12H

Surface Hole Location: 658' FSL - 2208' FWL

First Take Point: 165' FSL - 950' FWL

Section: 24 Township: 5N Range: 13E I.M.

Last Take Point: 2580' FSL - 950' FWL

Bottom Hole Location: 2536' FNL - 950' FWL

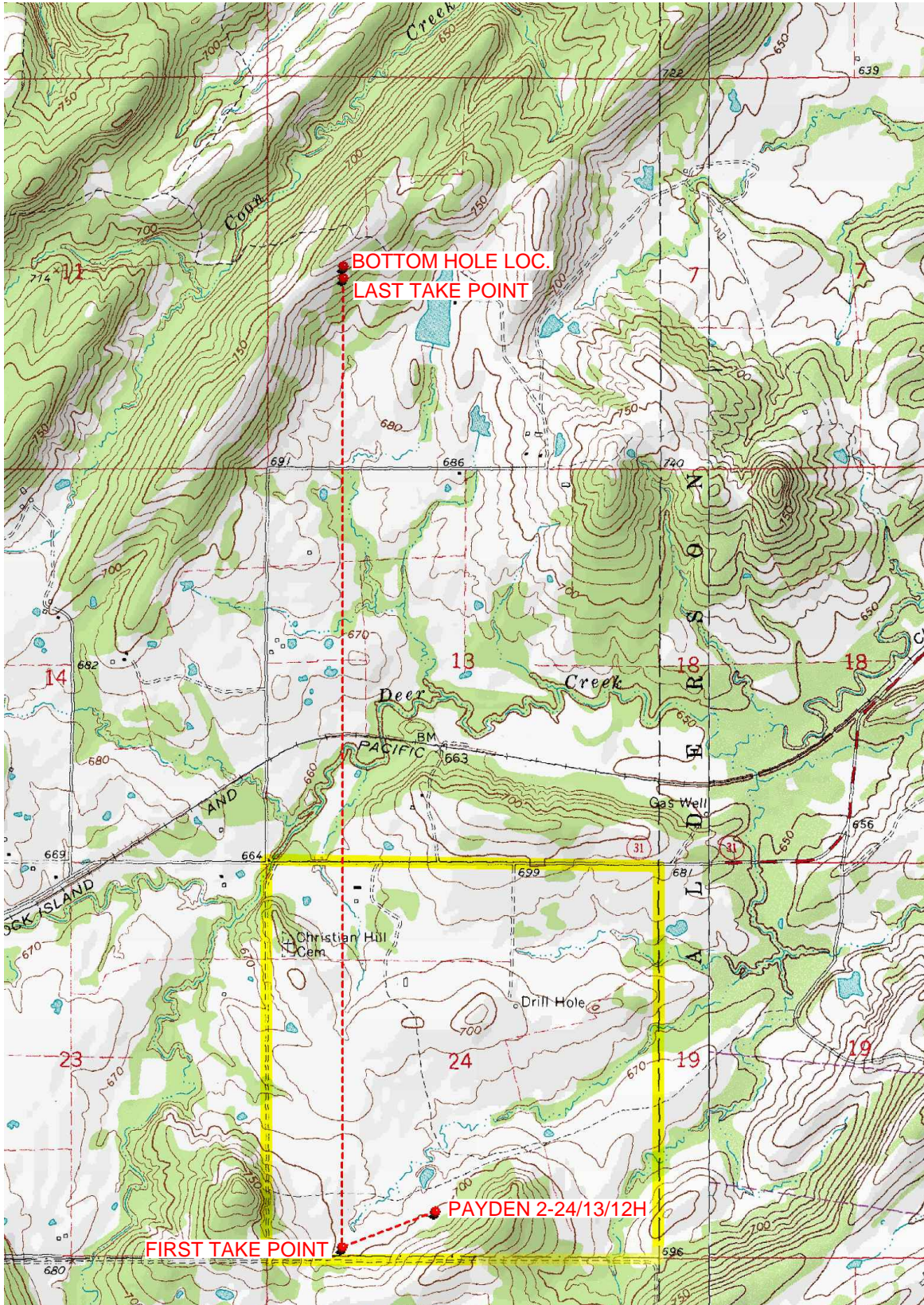
Section: 12 Township: 5N Range: 13E I.M.

County: Pittsburg State of Oklahoma



Scale 1" = 2000'
Contour Interval: 10'

Ground Elevation at Surface Hole Location: 696'



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, 2022

Date Staked: 10/04/2021

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 #: 9630-A-A

Operator: TRINITY OPERATING

Lease Name and No.: PAYDEN 2-24/13/12H

Accessibility: From the North.

Directions: From the junction of State Highway 31 & "D1460 Rd." in Pittsburg CO., OK, go 2.0 miles South on "D1460 Rd.". Then 1.0 miles West on an existing lease road to the SW/4 of Section 24-5N-13E with the Proposed Site being on the South side of of said lease road.



1 inch = 0.25 mile

provided by,
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