

API NUMBER: 125 23962

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

Approval Date: 04/15/2022

Expiration Date: 10/15/2023

Straight Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 02 Township: 8N Range: 2E County: POTTAWATOMIE

SPOT LOCATION: ☐ NE ☐ NW ☐ SW ☐ NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 1600 2110

Lease Name: JEBBER Well No: 1-2 Well will be 280 feet from nearest unit or lease boundary.

Operator Name: ARAPAHOE RESOURCES LLC Telephone: 4052724723 OTC/OCC Number: 21203 0

ARAPAHOE RESOURCES LLC
PO BOX 57107
OKLAHOMA CITY, OK 73157-7107

JOE S SMITH TRUST C/O KIM SMITH
34100 HWY 9
TECUMSEH OK 74873

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

| | Name | Code | Depth |
|---|------------------|----------|-------|
| 1 | BARTLESVILLE | 404BRVL | 4750 |
| 2 | BOIS D ARC | 301BDRC | 4850 |
| 3 | CHIMNEY HILL | 251CMNL | 5100 |
| 4 | VIOLA | 202VIOL | 5200 |
| 5 | SIMPSON DOLOMITE | 202SMPSD | 5350 |

| | Name | Code | Depth |
|---|------------|----------|-------|
| 6 | 1ST WILCOX | 202WLCX1 | 5450 |
| 7 | 2ND WILCOX | 202WLCX2 | 5500 |

Spacing Orders: 277835

Location Exception Orders: 720941

Increased Density Orders: No Density

Pending CD Numbers: No Pending

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 5650

Ground Elevation: 984

Surface Casing: 400

Depth to base of Treatable Water-Bearing FM: 290

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

Approved Method for disposal of Drilling Fluids:

| | |
|------------------------------------|--|
| E. Haul to Commercial pit facility | Sec. 19 Twn. 8N Rng. 5E Cnty. 125 Order No: 274874 |
| H. (Other) | CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST |

PIT 1 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 is located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is: ALLUVIAL

Pit Location Formation: ALLUVIUM

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>[4/8/2022 - 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 6000NOO. 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> |
| LOCATION EXCEPTION - 720941 (202101529) | <p>[4/14/2022 - GB6] - SW4 NE4 2-8N-2E X277835 BRVL, BDRC, CMNL, VIOL, SMPSD, WLCX1, WLCX2, OTHERS 280' FNL 530' FWL S24 NE4 2-8N-2E ARAPAHOE RESOURCES, LLC 10/05/2021</p> |
| SPACING - 277835 | <p>[4/14/2022 - GB6] - (40) SW4 NE4 2-8N-2E EST VIOL, WLCX1, WLCX2, OTHERS EXT 45096 BRVL, BDRC, CMNL, SMPSD</p> |



Well Location Plat

Sec. 2-8N-2E I.M.

Operator: ARAPAHOE RESOURCES LLC

Lease Name and No.: JEBBER 1-2

Surface Hole Location: 1600' FNL - 2110' FEL Gr. Elevation: N/A

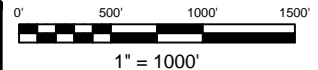
NE/4-NW/4-SW/4-NE/4 Section: 2 Township: 8N Range: 2E I.M.

County: Pottawatomie State of Oklahoma

Terrain at Loc.: Location fell in an open field with ravines on both the North and South.



All bearings shown
are geodetic bearings
unless noted.



GPS DATUM

NAD 83

NAD 27

OK SOUTH ZONE

Surface Hole Loc.:

Lat: 35°11'54.78"N

Lon: 97°03'41.12"W

Lat: 35.19855038

Lon: -97.06142179

X: 2248919

Y: 680116

Surface Hole Loc.:

Lat: 35°11'54.52"N

Lon: 97°03'40.03"W

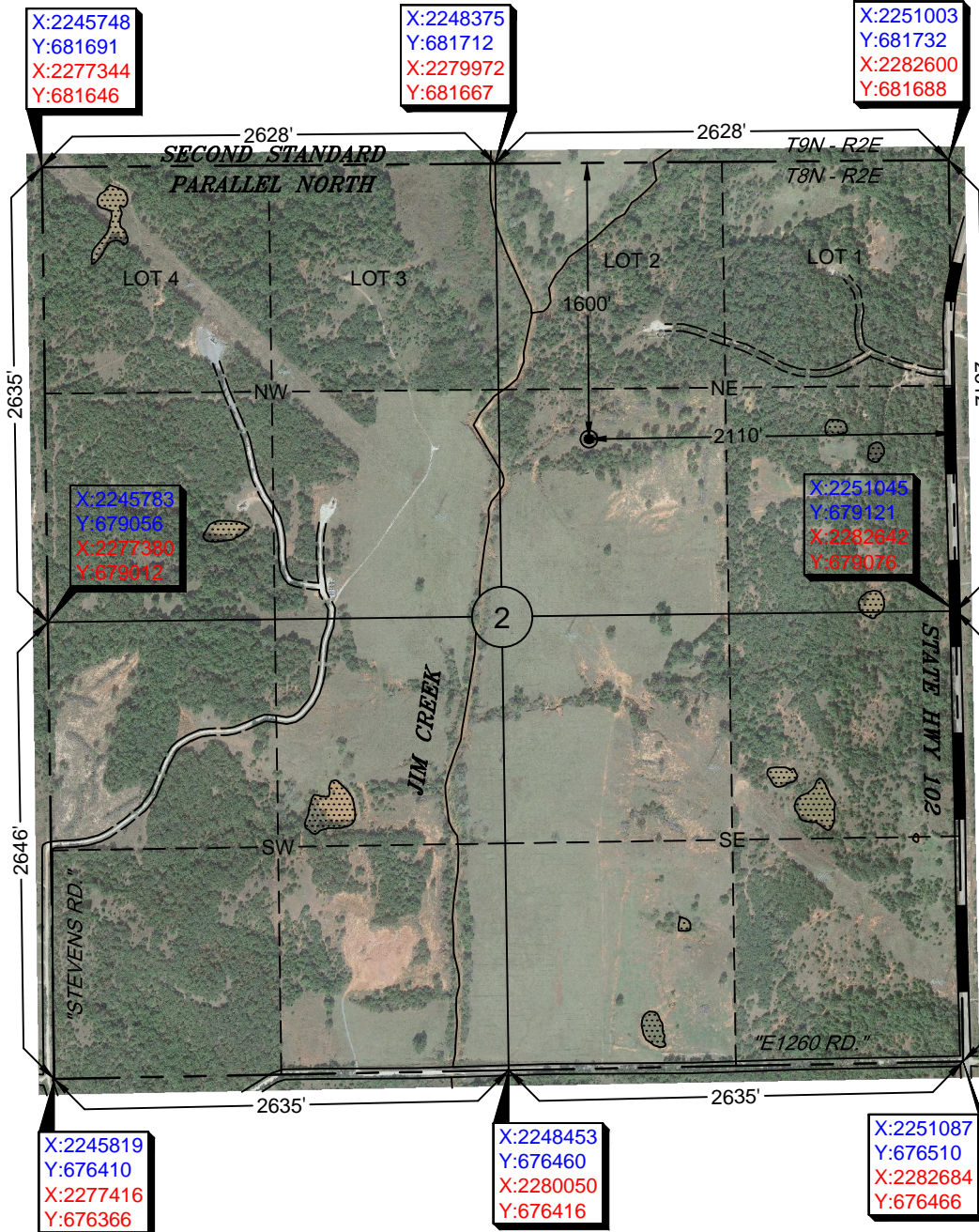
Lat: 35.19847842

Lon: -97.06111997

X: 2280516

Y: 680071

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 #9416-A

Date Staked: N/A

Date Drawn: 08/04/2021 By: S.S

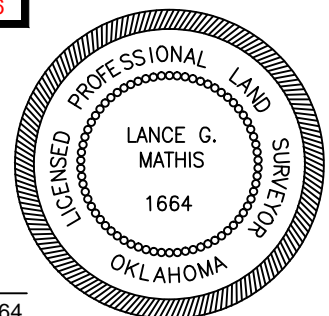
Certification:

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

08/05/2021

OK LPLS 1664





Well Location Plat

Sec. 2-8N-2E I.M.

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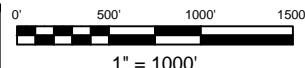
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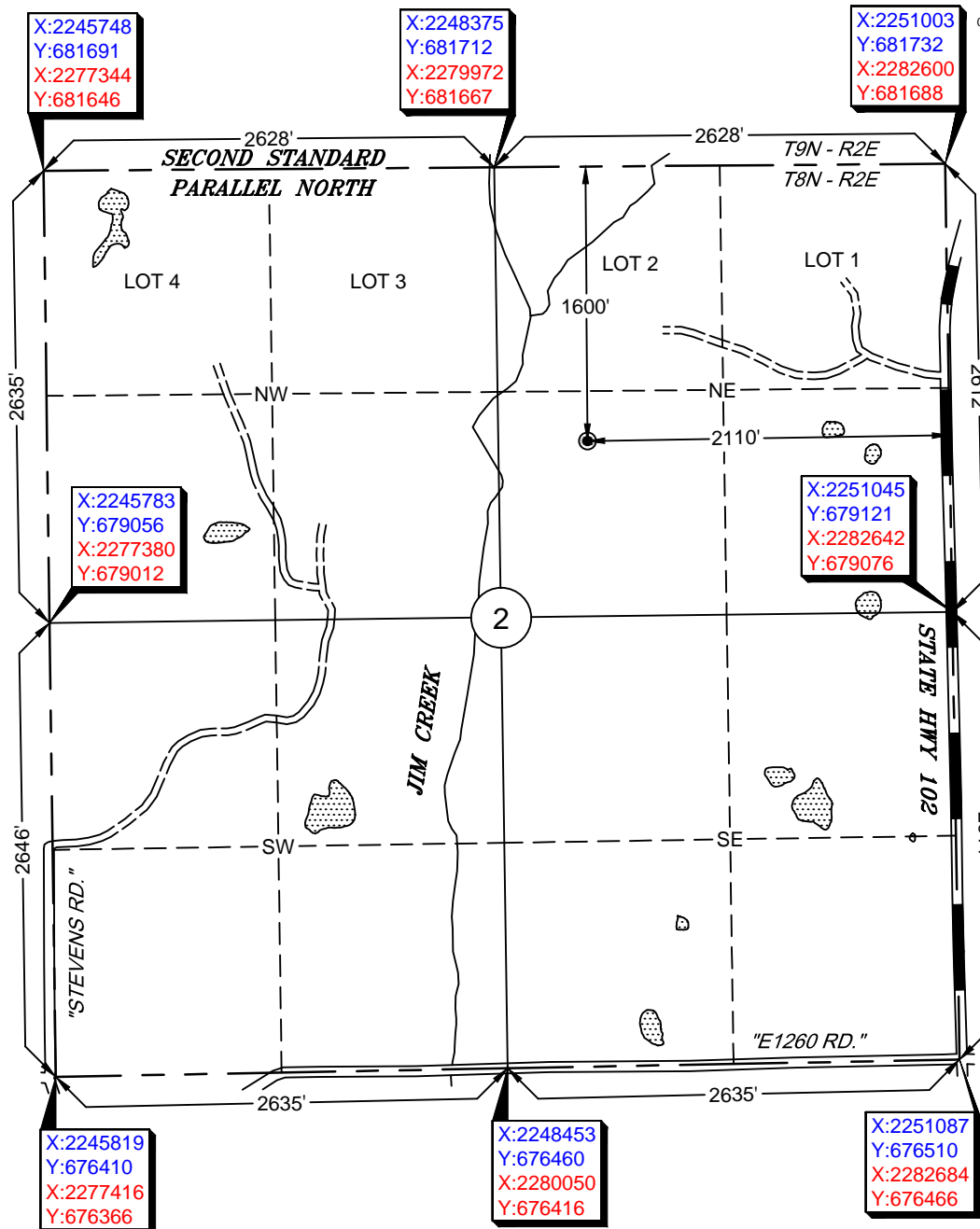
Lat: 35.19847842

Lon: -97.06111997

X: 2280516

Y: 680071

-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.



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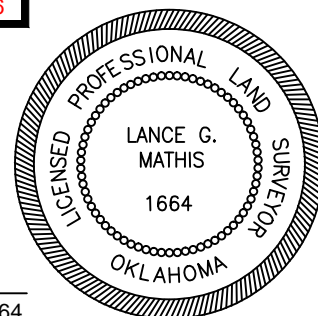
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08/05/2021

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Topographic Vicinity Map

Operator: ARAPAHOE RESOURCES LLC

Lease Name and No.: JEBBER 1-2

Surface Hole Location: 1600' FNL - 2110' FEL

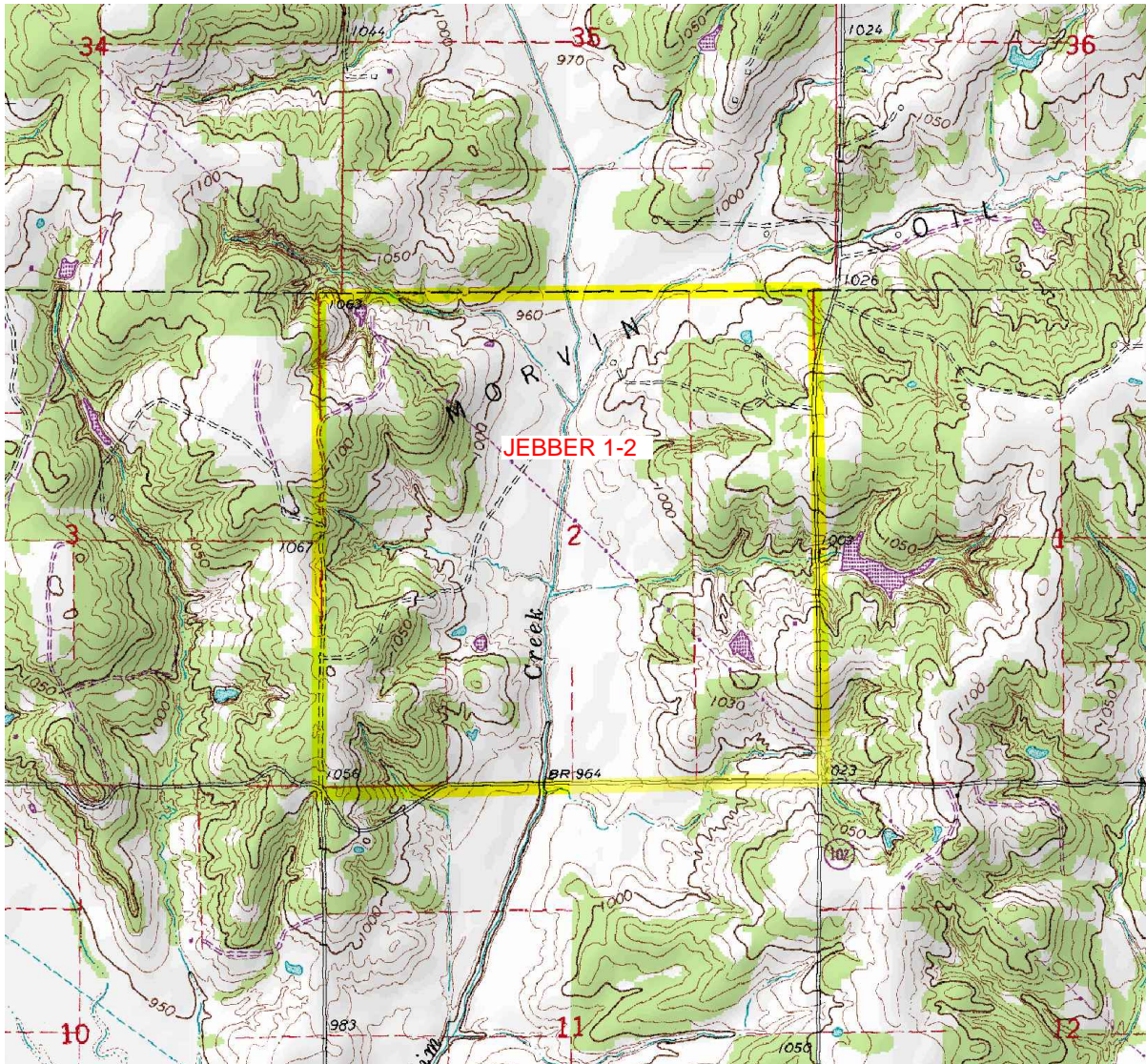
Section: 2 Township: 8N Range: 2E I.M.

County: Pottawatomie State of Oklahoma



Ground Elevation at Surface Hole Location: N/A

Scale 1" = 2000'
Contour Interval: 20'



Provided by:

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Expires June 30, 2022

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



Job #: 9416-A

Operator: ARAPAHOE RESOURCES LLC

Lease Name and No.: JEBBER 1-2

Accessibility: From the South.

Directions: From the junction of State Highway 9 & State Highway 102, East of the town of Pink, OK, go 4 miles South on State Highway 102 to the NE/4 of Section 2-8N-2E on the West side of the road.



1 inch = 0.76 mile

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