API NUMBER: 049 25238

Horizontal Hole 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: 12/07/2018
Expiration Date: 06/07/2020

PERMIT TO DRILL

WELL LOCATION: Sec: 13 Twp: 3N Rge: 4W County: GARVIN

SPOT LOCATION: NE NW NE NW

FEET FROM QUARTER: FROM **NORTH** FROM **EAST**

SECTION LINES: **280** **1745**

Lease Name: BUD **Well No: 4-12-1 WXH** **Well will be 280 feet from nearest unit or lease boundary.**

Operator Name: CASILLAS OPERATING LLC Telephone: 9185825310 OTC/OCC Number: 23838 0

CASILLAS OPERATING LLC
401 S BOSTON AVE STE 2400
TULSA, OK 74103-4060

MARY F. ENGLISH
14387 E. COUNTY ROAD 1575
LINDSAY OK 73052

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

	Name	Depth		Name	Depth
1	WOODFORD	12372	6		
2			7		
3			8		
4			9		
5			10		

Spacing Orders: 677714

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201808085
201808086
201808110

Special Orders:

Total Depth: 23061 Ground Elevation: 1149 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 250

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

PIT 1 INFORMATION

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? N

Within 1 mile of municipal water well? N

Wellhead Protection Area? N

Pit **is not** located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: BISON

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-35694

H. SEE MEMO

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.

PIT 2 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 **is not** located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: BISON

HORIZONTAL HOLE 1

Sec 01 Twp 3N Rge 4W County GARVIN

Spot Location of End Point: NW NW NE NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 1535

Depth of Deviation: 11966

Radius of Turn: 477

Direction: 359

Total Length: 10346

Measured Total Depth: 23061

True Vertical Depth: 12372

End Point Location from Lease,
Unit, or Property Line: 50

Notes:

Category	Description
DEEP SURFACE CASING	11/18/2018 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING
HYDRAULIC FRACTURING	11/18/2018 - 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: 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
MEMO	11/18/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 201808085	12/4/2018 - G58 - (I.O.) 1 & 12-3N-4W EST MULTIUNIT HORIZONTAL WELL X677714 WDFD, OTHERS 50% 1-3N-4W 50% 12-3N-4W NO OP. NAMED REC 10/30/2018 (JOHNSON)

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
PENDING CD - 201808086	12/4/2018 - G58 - (I.O.) 1 & 12-3N-4W X677714 WDFD, OTHERS X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO EMERSON 1-1 WELL COMPL. INT. 12-3N-4W NCT 165' FSL, NCT 0' FNL, NCT 1485' FWL COMPL. INT. 1-3N-4W NCT 0' FSL, NCT 165' FNL, NCT 1485' FWL NO OP. NAMED REC 10/30/2018 (JOHNSON)
PENDING CD - 201808110	12/4/2018 - G58 - 1 & 12-3N-4W X677714 WDFD 5 WELLS NO OP. NAMED REC 10/30/2018 (JOHNSON)
SPACING - 677714	12/4/2018 - G58 - (1280)(HOR) 1 & 12-3N-4W EXT 660070 WDFD, OTHERS COMPL. INT. NLT 165' FNL & FSL, NLT 330' FEL & FWL (COEXIST SP ORDER 343360 WDFD; SP ORDER 346248 WDFD;***, SP ORDER 348687 WDFD; SP ORDER 345241 WDFD; SP ORDER 349600 WDFD) *** SHOULD COEXIST SP ORDER 347970 WDFD; NPT FILED AND SUBMITTED TO OCC, OK PER MCCOY

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.

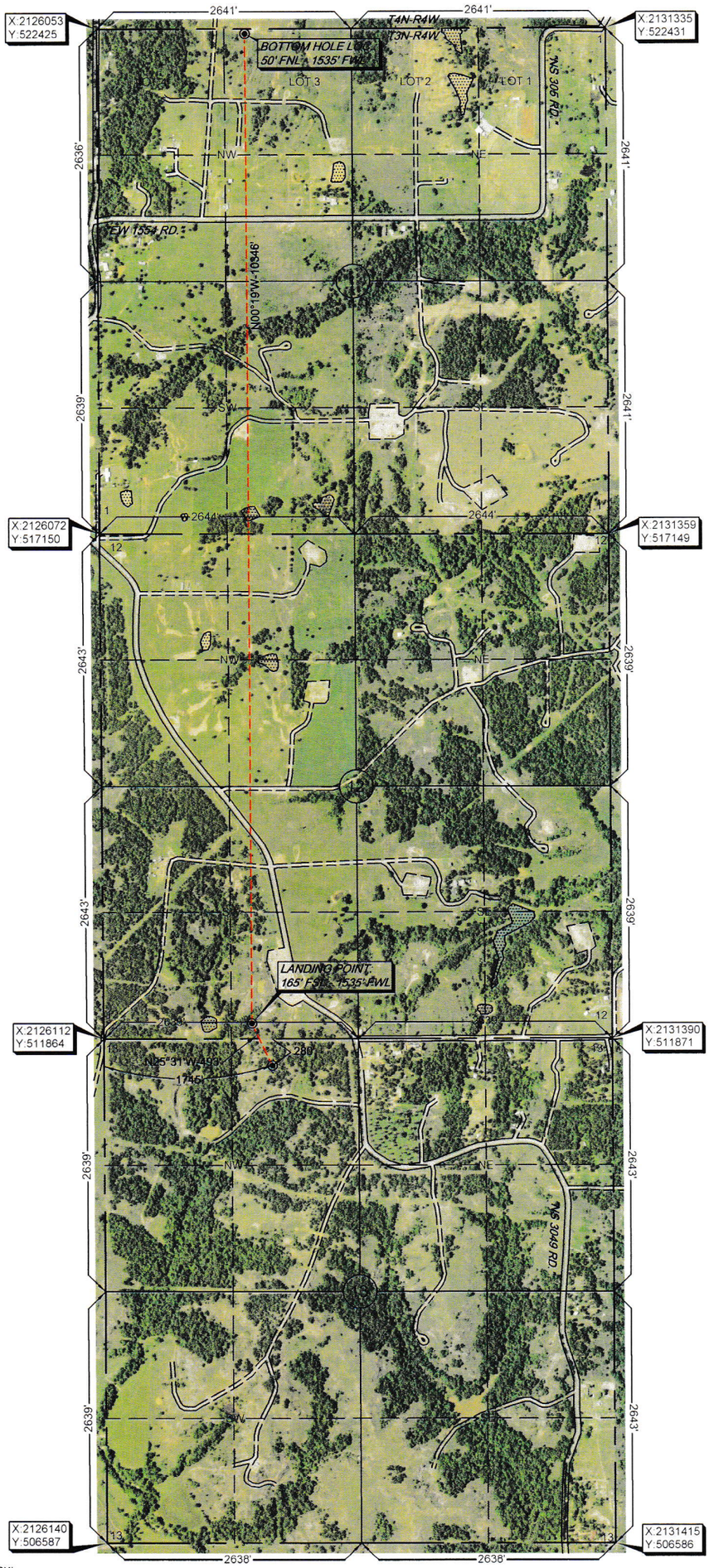
Well Location Plat

S.H.L. Sec. 13-3N-4W I.M.
B.H.L. Sec. 1-3N-4W I.M.

CASILLAS PETROLEUM CORP

Operator: CASILLAS PETROLEUM CORP.
Lease Name and No.: BUD 4-12-1 WXH
Footage: 280' FNL - 1745' FWL Gr. Elevation: 1149'
Section: 13 Township: 3N Range: 4W I.M.
County: Garvin State of Oklahoma
Terrain at Loc.: Location fell in scattered timber.

049-25238



All bearings shown are geodetic bearings unless noted.

0' 660' 1320' 1980'

1" = 1500'

GPS DATUM
NAD 27
OK SOUTH ZONE

Surface Hole Loc.:
Lat: 34°44'18.21"N
Lon: 97°34'27.95"W
Lat: 34.73839100
Lon: -97.57442924
X: 2127858
Y: 511587

Landing Point:
Lat: 34°44'22.62"N
Lon: 97°34'30.47"W
Lat: 34.73961546
Lon: -97.57512940
X: 2127646
Y: 512031

Bottom Hole Loc.:
Lat: 34°46'04.96"N
Lon: 97°34'30.63"W
Lat: 34.76804337
Lon: -97.57517579
X: 2127588
Y: 522377

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 #7994-B
Date Staked: 07/30/18 By: D.K.
Date Drawn: 08/29/18 By: J.H.
Rev. LP & BHL: 10/02/18 By: J.K.

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.

10/03/18
LANCE G. MATHIS OK LPLS 1664

LICENSED PROFESSIONAL LAND SURVEYOR
LANCE G. MATHIS
1664
OKLAHOMA

Well Location Plat

CASILLAS PETROLEUM CORP.

S.H.L. Sec. 13-3N-4W I.M.
B.H.L. Sec. 1-3N-4W I.M.

Operator: CASILLAS PETROLEUM CORP.
Lease Name and No.: BUD 4-12-1 WXH
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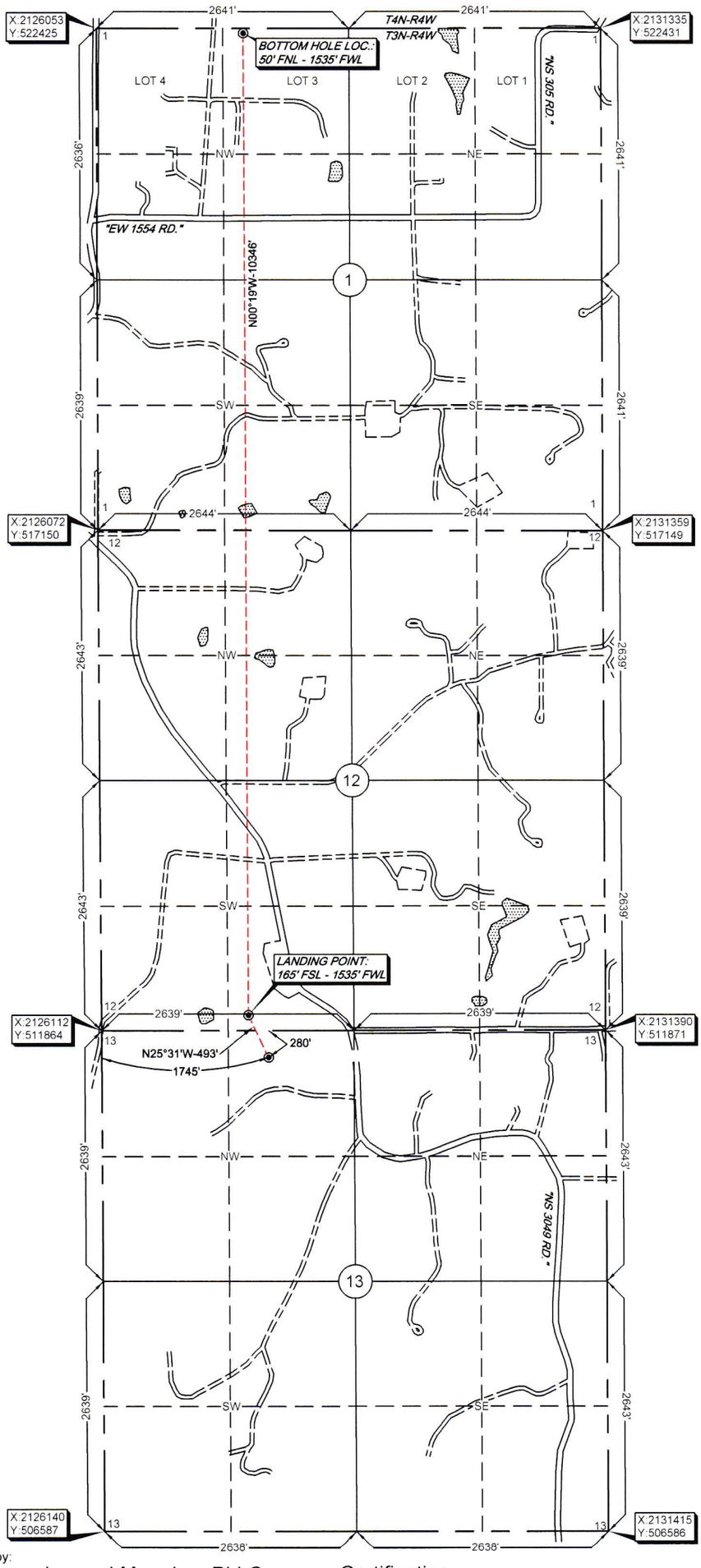
County: Garvin State of Oklahoma
Terrain at Loc.: Location fell in scattered timber.



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10/03/18
LANCE G. MATHIS OK LPLS 1664

LICENSED PROFESSIONAL LAND SURVEYOR
LANCE G. MATHIS
1664
OKLAHOMA

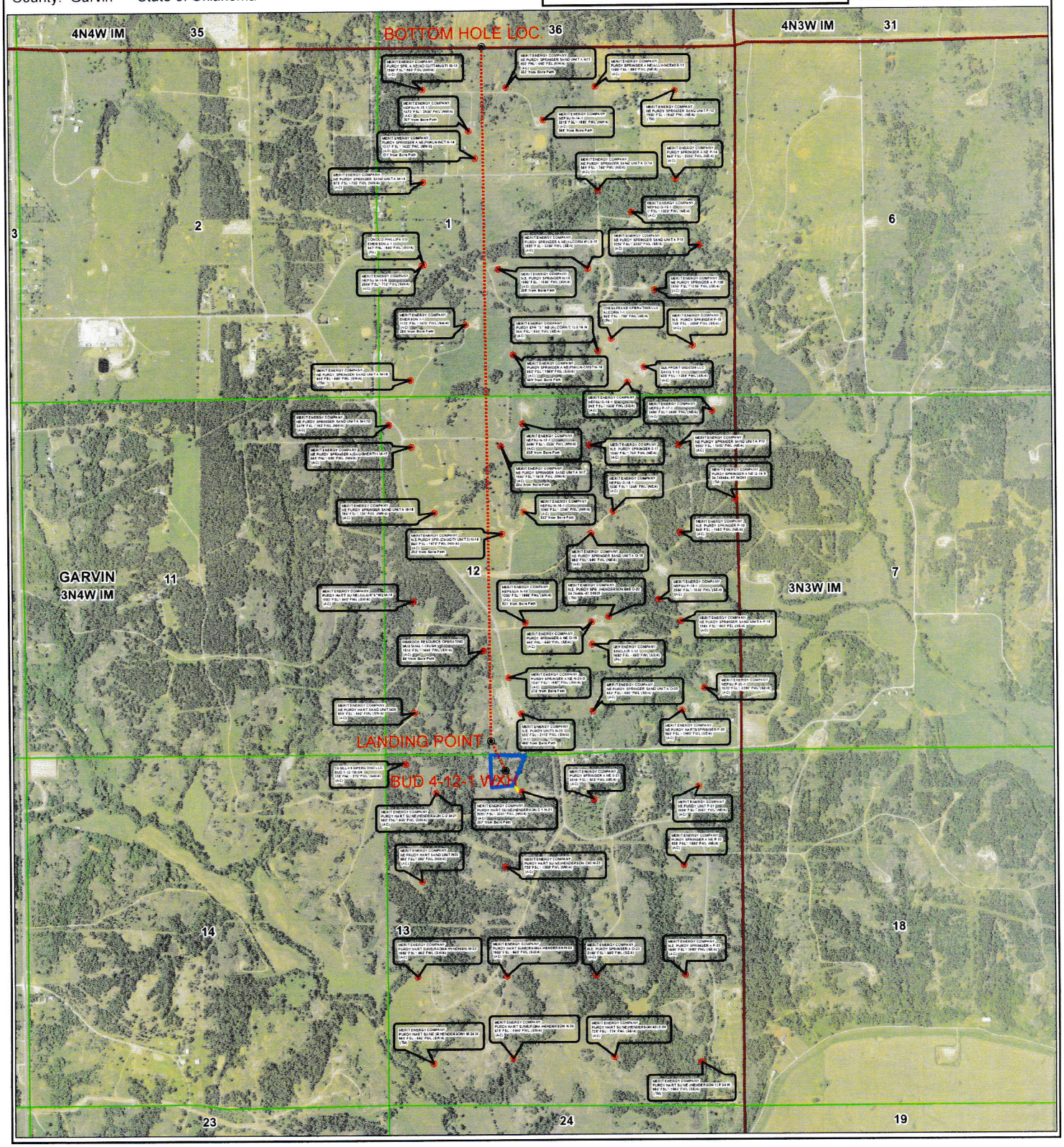
Anti-Collision

Sec. 13-3N-4W I.M.

Operator: CASILLAS PETROLEUM CORP.
Lease Name and No.: BUD 4-12-1 WXH
Surface Hole Location: 280' FNL - 1745' FWL
Sec. 13 Twp. 3N Rng. 4W I.M.
Landing Point: 165' FSL - 1535' FWL
Sec. 12 Twp. 3N Rng. 4W I.M.
Bottom Hole Location: 50' FNL - 1535' FWL
Sec. 1 Twp. 3N Rng. 4W I.M.
County: Garvin State of Oklahoma

SHL, LP, & BHL
OCC Wells
Bore Path
Counties
Pad
Township-Range
Lease Road
Sections

0 1,000 2,000 Feet



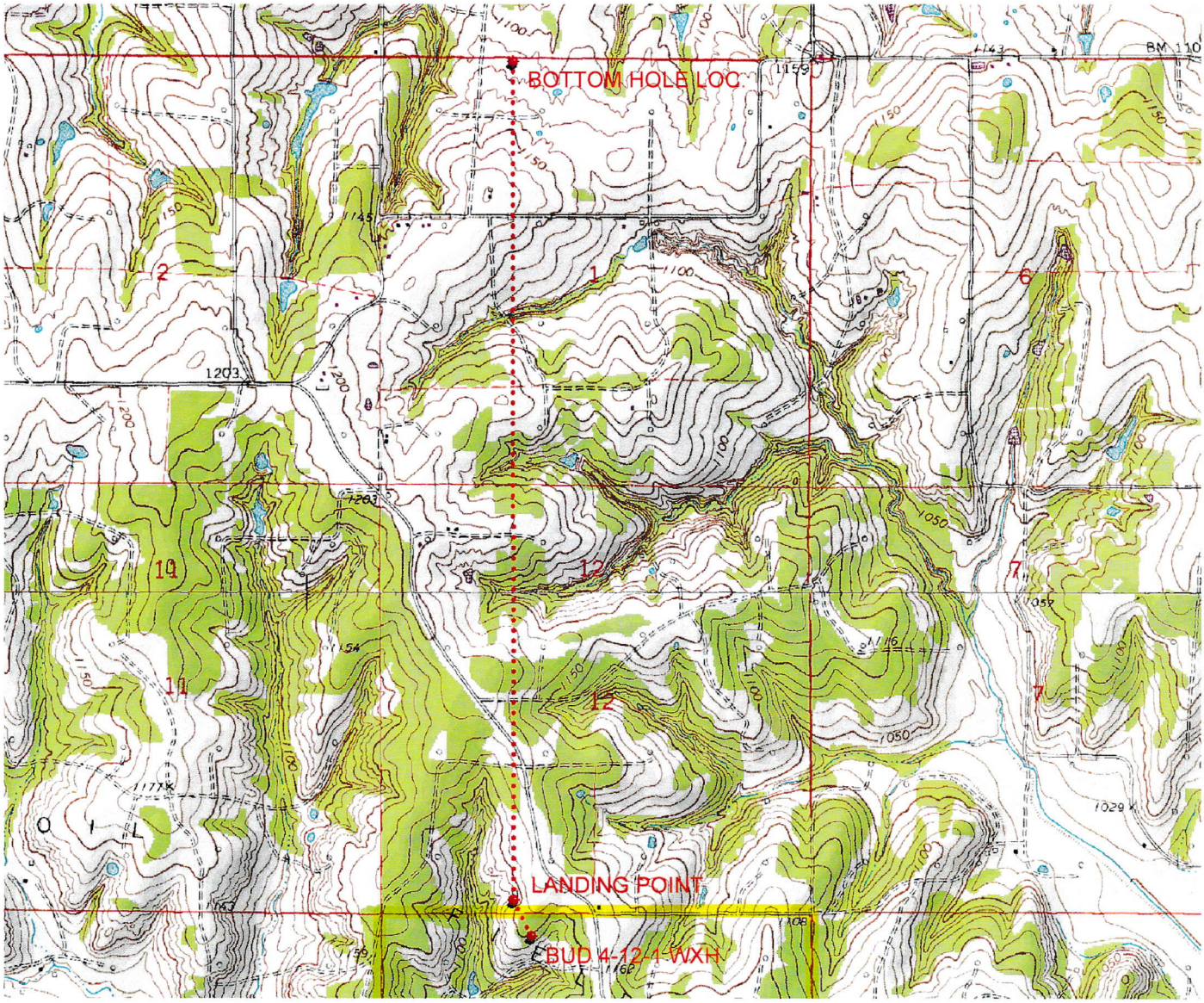
Topographic Vicinity Map

CASILLAS PETROLEUM CORP

Operator: CASILLAS PETROLEUM CORP.
Lease Name and No.: BUD 4-12-1 WXH
Surface Hole Location: 280' FNL - 1745' FWL
Sec. 13 Twp. 3N Rng. 4W I.M.
Landing Point: 165' FSL - 1535' FWL
Sec. 12 Twp. 3N Rng. 4W I.M.
Bottom Hole Location: 50' FNL - 1535' FWL
Sec. 1 Twp. 3N Rng. 4W I.M.
County: Garvin State of Oklahoma

Scale 1" = 2000'
Contour Interval: 10'

Ground Elevation at Surface Hole Location: 1149'



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: 07/30/18

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 #: 7994-B

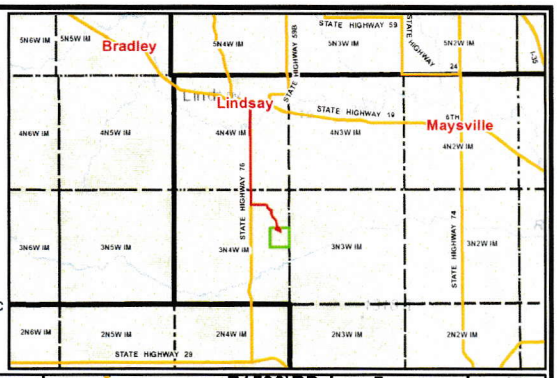
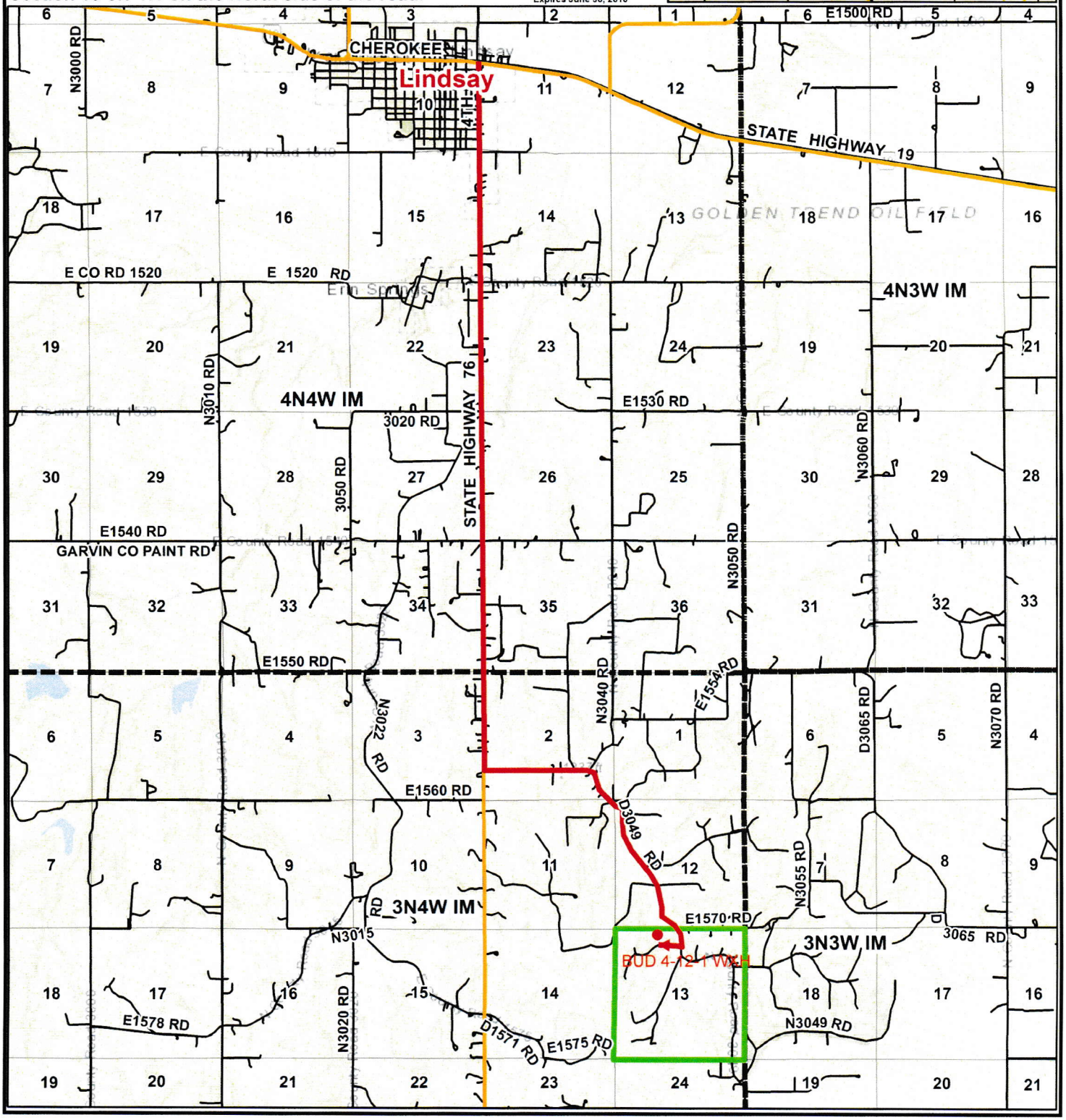
Operator: CASILLAS PETROLEUM CORP.

Lease Name and No.: BUD 4-12-1 WXH

Accessibility: From the North.

Directions: From the junction of State HWY 19 & State HWY 76 in the town of Lindsay, OK, go 5.5 miles South on State HWY 76, 2.4 miles South on "D 3049 RD.", then go 0.2 miles West on an unnamed lease road to the Northwest Quarter of Section 13-3N-4W on the North side of the road.

CASILLAS PETROLEUM CORP

1 inch = 1 mile

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