

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

API NUMBER: 045 23843

Approval Date: 09/02/2021

Expiration Date: 03/02/2023

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 19 Township: 19N Range: 25W County: ELLIS

SPOT LOCATION: S2 NE NW NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 475 990

Lease Name: TEDDY RAY Well No: 1-18H Well will be 475 feet from nearest unit or lease boundary.

Operator Name: DUNCAN OIL PROPERTIES INC Telephone: 4052721800 OTC/OCC Number: 15876 0

DUNCAN OIL PROPERTIES INC
100 PARK AVE STE 1200
OKLAHOMA CITY, OK 73102-8023

TEDDY RAY MILLER AND TERRY LEA MILLER
P.O. BOX 296
ARNETT OK 73832

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

Name	Code	Depth
1 CLEVELAND	405CLVD	8520

Spacing Orders: 718356 Location Exception Orders: 718492 Increased Density Orders: No Density
719133

Pending CD Numbers: No Pending Working interest owners' notified: *** Special Orders: No Special

Total Depth: 14260 Ground Elevation: 2418 Surface Casing: 720 Depth to base of Treatable Water-Bearing FM: 670

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

Approved Method for disposal of Drilling Fluids:	
D. One time land application -- (REQUIRES PERMIT)	PERMIT NO: 21-37798
H. (Other)	SEE MEMO

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: BED AQUIFER
Pit Location Formation: OGALLALA

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 located in a Hydrologically Sensitive Area.

Category of Pit: C
Liner not required for Category: C
Pit Location is: BED AQUIFER
Pit Location Formation: OGALLALA

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.

HORIZONTAL HOLE 1					
Section: 18	Township: 19N	Range: 25W	Meridian: IM	Total Length: 4970	
	County: ELLIS			Measured Total Depth: 14260	
Spot Location of End Point:	N2	NE	NW	True Vertical Depth: 8850	
Feet From: NORTH			1/4 Section Line: 165	End Point Location from	
Feet From: WEST			1/4 Section Line: 990	Lease,Unit, or Property Line: 165	

NOTES:	
Category	Description
HYDRAULIC FRACTURING	<p>[9/1/2021 - 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 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 - 718492	<p>[9/1/2021 - G56] - (I.O.) 18-19N-25W X718356 CLVD COMPL INT NCT 165' FSL, NCT 165' FNL, NCT 660' FWL DUNCAN OIL PROPERTIES, INC 5/21/2021</p>
MEMO	<p>[9/1/2021 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT</p>
SPACING - 718356	<p>[9/1/2021 - G56] - (640)(HOR) 18-19N-25W VAC 480994 CLVD EXT 684539 CLVD POE TO BHL NLT 660' FB</p>
SPACING - 719133	<p>[9/1/2021 - G56] - (640)(HOR) 18-19N-25W CONFIRM 718356 CLVD AS TO PROPER NOTICE</p>

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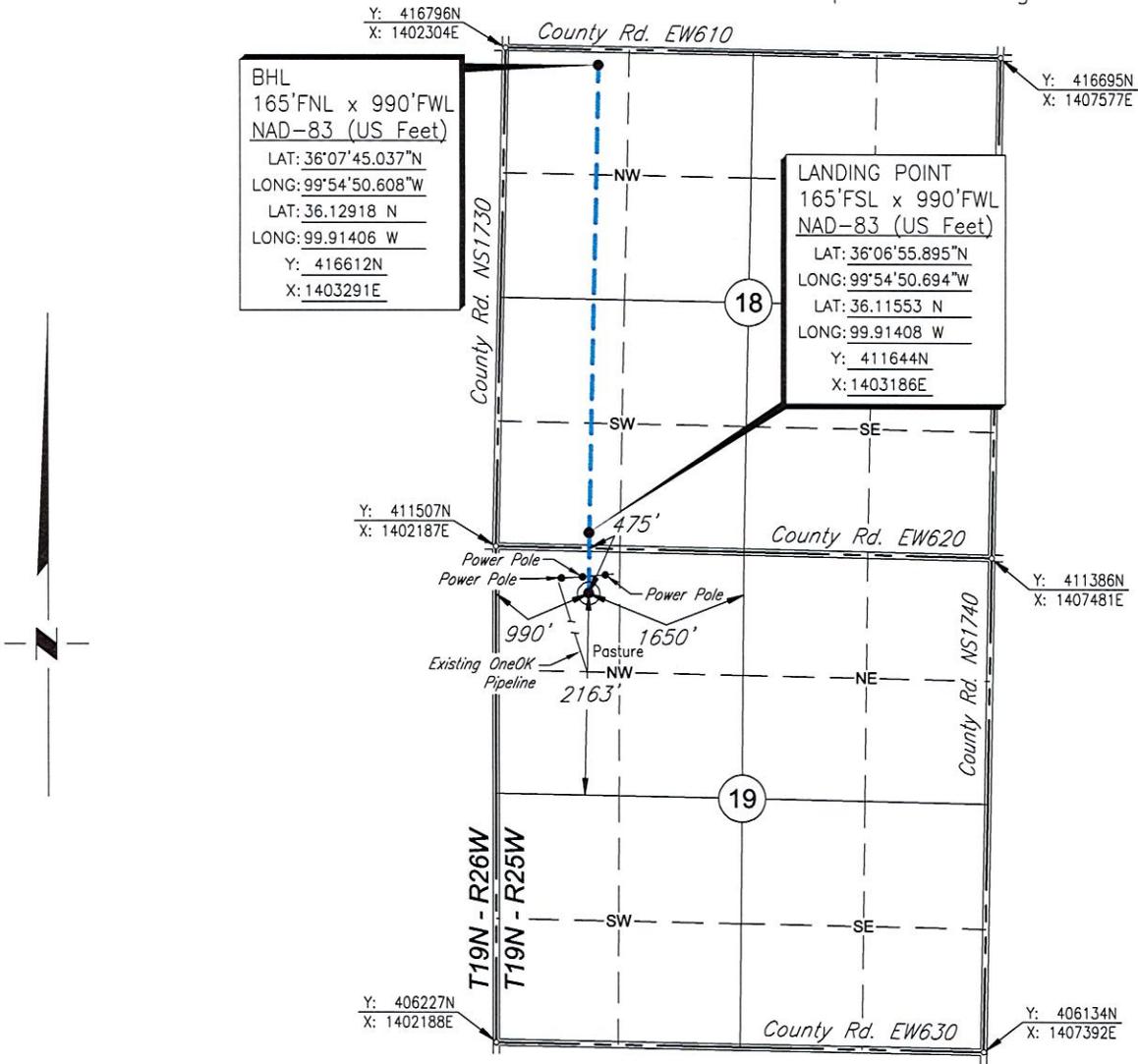


CIMARRON
SURVEYING & MAPPING CO.
C.A. No. 1780 Expires June 30, 2022

1530 SW 89TH STREET, Bldg. C7
OKLAHOMA CITY, OK
(405) 692-7348
CIMSURVEY.COM

ELLIS County, Oklahoma

475'FNL - 990'FWL Section 19 Township 19N Range 25W I.M.



Scale: 1" = 2000'

Date Staked: February 23, 2021

GPS Observation: Latitude 36°06'49.567" N
Longitude 99°54'50.574" W
Latitude 36.11377 N
Longitude 99.91405 W

State Plane NAD83 Y: 411004N
Oklahoma North Zone: X: 1403182E

Operator: DUNCAN OIL PROPERTIES

Elevation: 2418'

Lease Name: TEDDY RAY

Well No.: 1-18H

Topography & Vegetation: Pasture

Alternate Location Stakes Set: Yes Good Drill Site? Yes

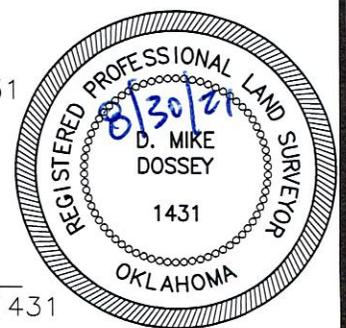
Best Accessibility to Location: From the North Line

Distance & Direction

from Hwy Jct or Town: From the junction of U.S. Hwy. 60 & U.S. Hwy. 283; Thence west 2 miles along U.S. Hwy. 60; Thence south 1½ miles to the NW Corner of Section 19.

SURVEYOR'S CERTIFICATE:

I, D. MIKE DOSSEY, Registered Professional Land Surveyor, No. 1431 do hereby certify that the above described well location was carefully staked on the ground as shown and that all ties and distances shown are from existing lines of occupation.



JOB NO.:	211431				
DATE:	02/25/21	1	MOVED WELL HEAD	08/30/21	T.A.W.
DRAWN BY:	T.A.W.	NO.	REVISION	DATE	BY

D. Mike Dossey
D. MIKE DOSSEY R.P.L.S. # 1431



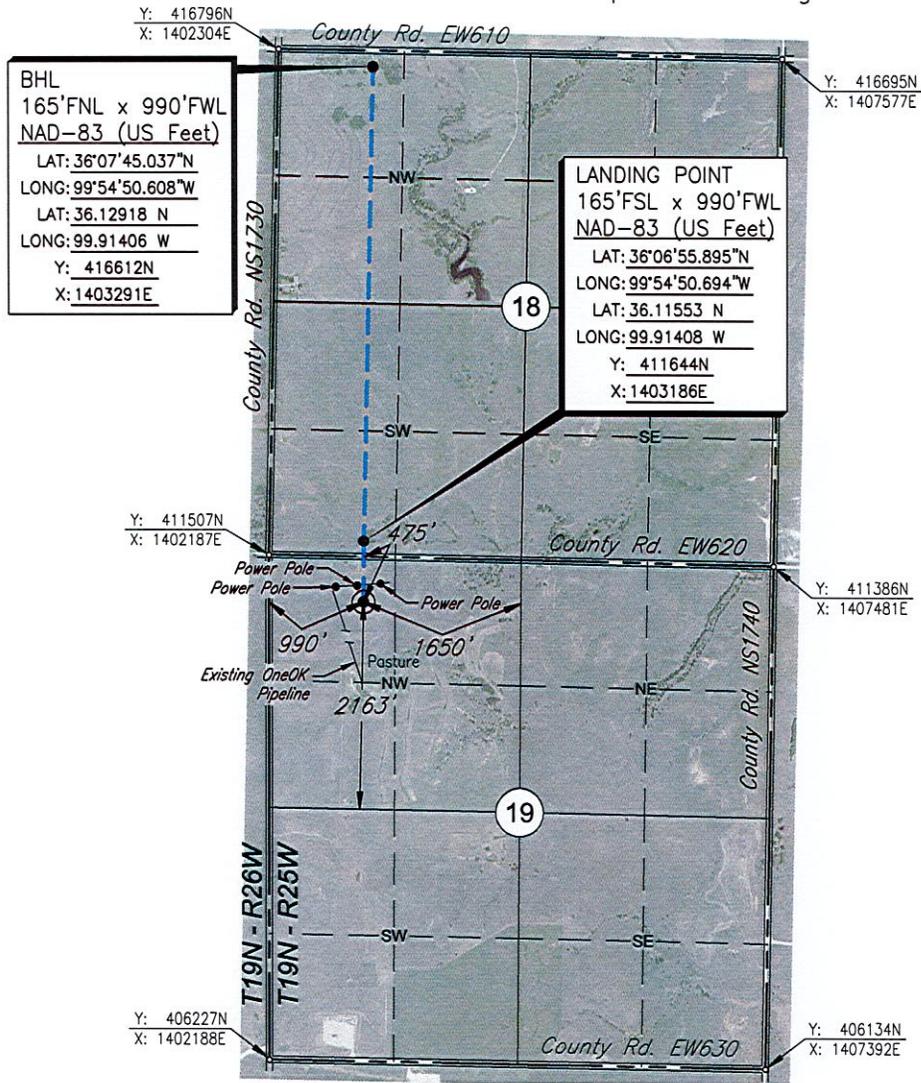
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ELLIS

County, Oklahoma

450'FNL - 990'FWL Section 19 Township 19N Range 25W I.M.



Scale: 1" = 2000'

Date Staked: February 23, 2021

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Longitude 99°54'50.574" W
Latitude 36.11377 N
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Oklahoma North Zone: X: 1403182E

Operator: DUNCAN OIL PROPERTIES

Elevation: 2418'

Lease Name: TEDDY RAY

Well No.: 1-18H

Topography & Vegetation: Pasture

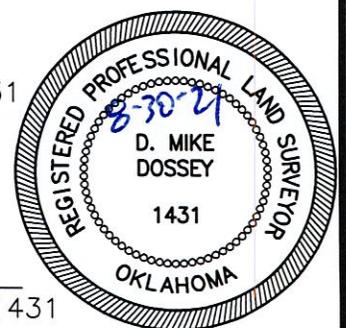
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D. Mike Dossey
D. MIKE DOSSEY R.P.L.S. # 1431

JOB NO.: 211431_AERIAL				
DATE: 02/25/21	1	MOVED WELL HEAD	08/30/21	T.A.W.
DRAWN BY: T.A.W.	NO.	REVISION	DATE	BY



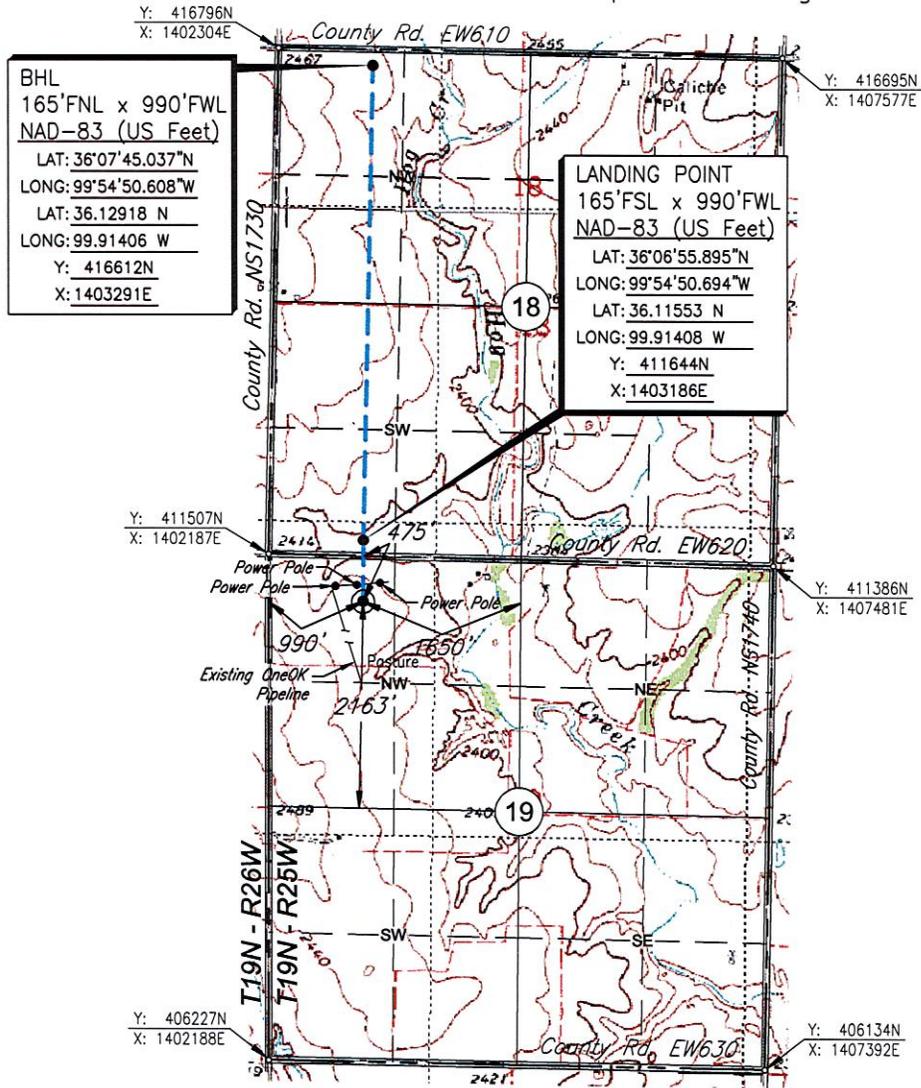
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ELLIS

County, Oklahoma

450' FNL - 990' FWL Section 19 Township 19N Range 25W I.M.



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Date Staked: February 23, 2021

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State Plane NAD83 Y: 411004N
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Operator: DUNCAN OIL PROPERTIES

Elevation: 2418'

Lease Name: TEDDY RAY

Well No.: 1-18H

Topography & Vegetation: Pasture

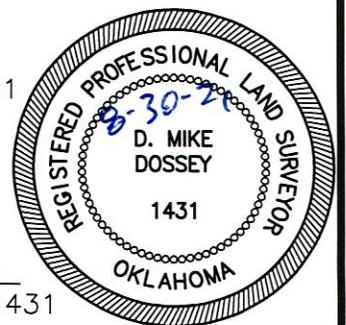
Alternate Location Stakes Set: Yes Good Drill Site? Yes

Best Accessibility to Location: From the North Line

Distance & Direction
 from Hwy Jct or Town: From the junction of U.S. Hwy. 60 & U.S. Hwy. 283; Thence west 2 miles along U.S. Hwy. 60; Thence south 1½ miles to the NW Corner of Section 19.

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D. Mike Dossey
 D. MIKE DOSSEY R.P.L.S. # 1431

JOB NO.: 211431_TOPO				
DATE: 02/25/21	1	MOVED WELL HEAD	08/30/21	T.A.W.
DRAWN BY: T.A.W.	NO.	REVISION	DATE	BY

T 19 N - R 25 W

13

18

County Rd. EW620

24

19

County Rd. NS1730

T19N - R26W

T19N - R25W

NW/4

475'

Power Pole

Power Pole

Power Pole

DUNCAN OIL PROPERTIES
 Teddy Ray #1-18H
 475'FNL - 990'FWL
 ELEV: 2418'
 NAD 83 Oklahoma North Zone
 Y: 411004N
 X:1403182E

178'

990'

Existing OneOK Pipeline

272'

PLAT SHOWING
 WELL LOCATION DETAIL IN THE
 NE/4 OF SECTION 19, T19N - R25W
 ELLIS COUNTY, OKLAHOMA

NOTES:

- This drawing is for the purpose of depicting a well location and does not represent a boundary survey.

1	MOVED WELL HEAD	08/30/21	T.A.W.
NO.	REVISION	DATE	BY
SURVEYED BY:		J.D.	
DRAWN BY:		T.A.W.	
APPROVED BY:		D.M.D.	

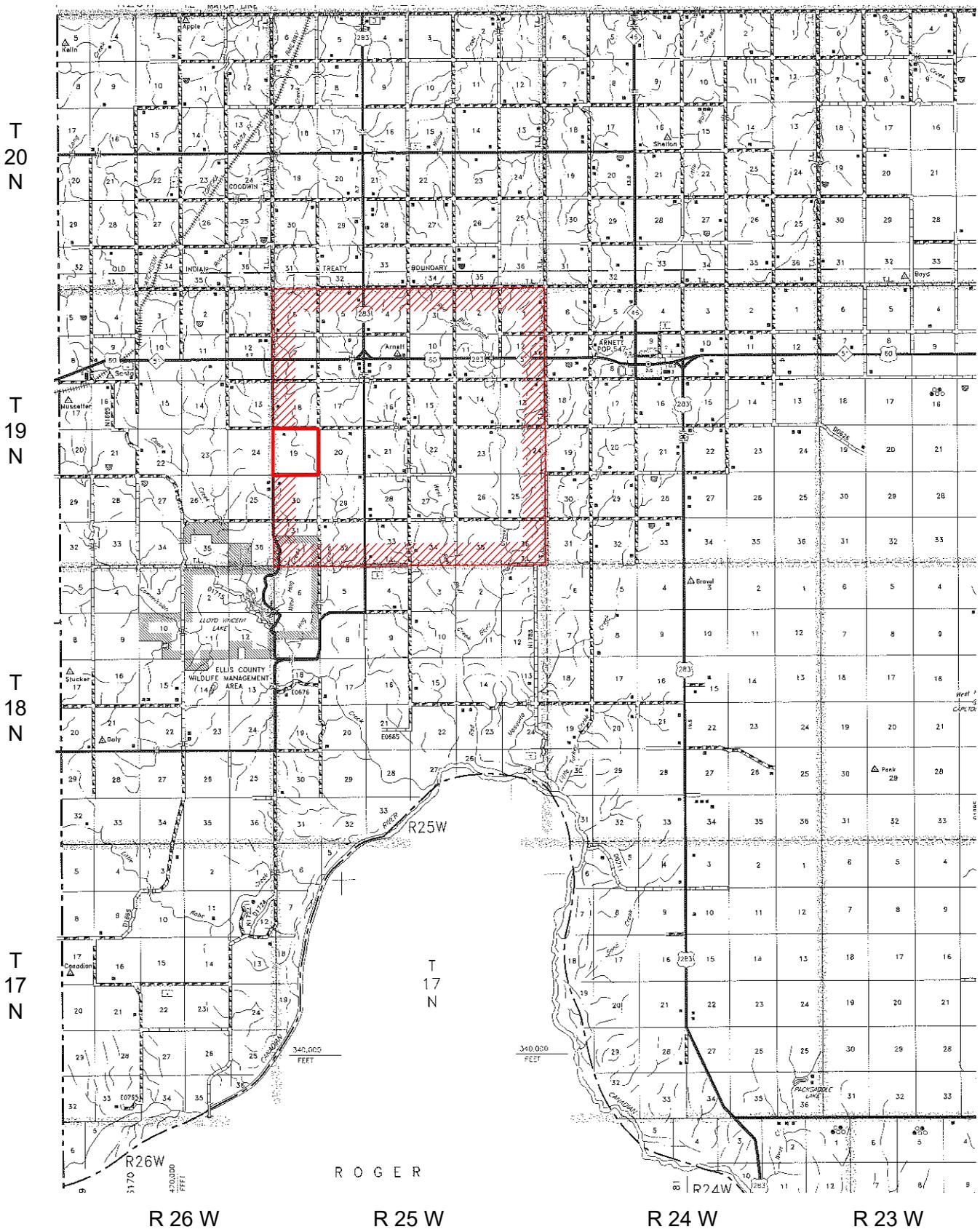
DUNCAN OIL PROPERTIES



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1570 SW 89th STREET, Bldg. C3
 Oklahoma City, OK
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 WWW.CIMSURVEY.COM

SCALE:	1"=100'
DATE:	03/04/21
JOB NO.:	211431
DWG. NO.:	2114.31_DETAIL
AFE. NO.:	
SHEET	1 OF 1



PLAT SHOWING
 VICINITY MAP FOR
 SECTION 19, T19N - R25W
 ELLIS COUNTY, OKLAHOMA

NO.	REVISION	DATE	BY
SURVEYED BY:		J.D.	
DRAWN BY:		T.A.W.	
APPROVED BY:		D.M.D.	

DUNCAN OIL PROPERTIES



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 Oklahoma City, OK
 (405) 692-7348
 WWW.CIMSURVEY.COM
 CA No. 1780 Expires June 30, 2022

SCALE:	1" = 3 Miles
DATE:	02/25/21
JOB NO.:	211431
DWG. NO.:	2114.31_VMAP
AFE. NO.:	
SHEET	1 OF 1