

API NUMBER: 045 23843

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

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  
719133

Location Exception Orders: 718492

Increased Density Orders: No Density

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      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: <a href="http://OCCEWEB.COM/OG/OGFORMS.HTML">OCCEWEB.COM/OG/OGFORMS.HTML</a>; 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 <a href="http://FRACFOCUS.ORG">FRACFOCUS.ORG</a></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>



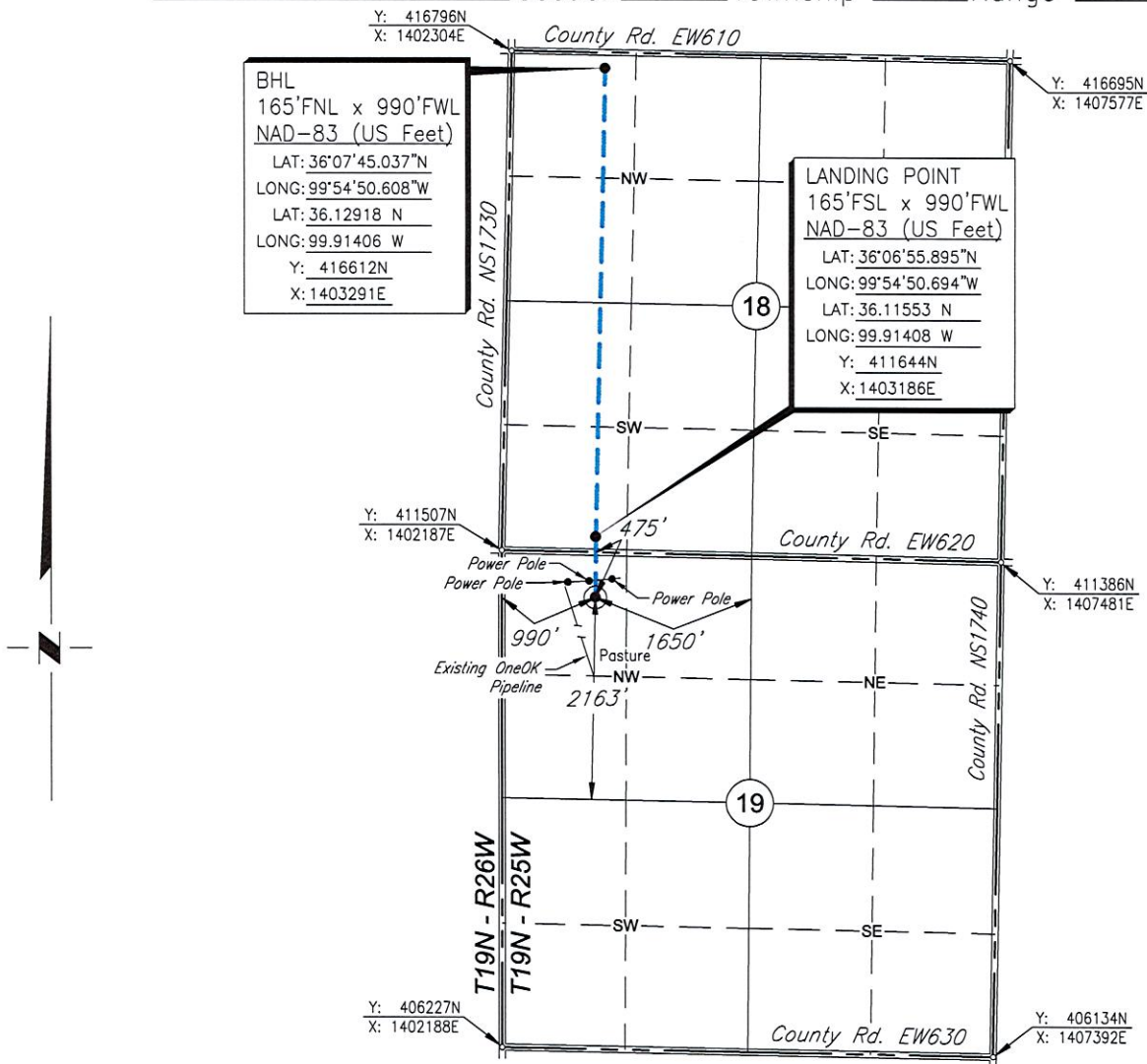
**CIMARRON**  
SURVEYING & MAPPING CO.  
C.A. No. 1780 Expires June 30, 2022

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

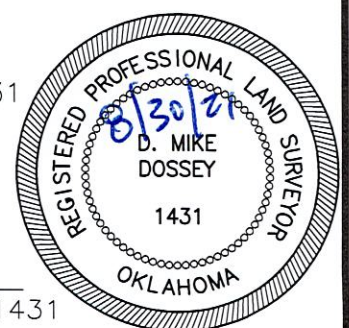
Best Accessibility to Location: From the North Line

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





CIMARRON<sup>®</sup>

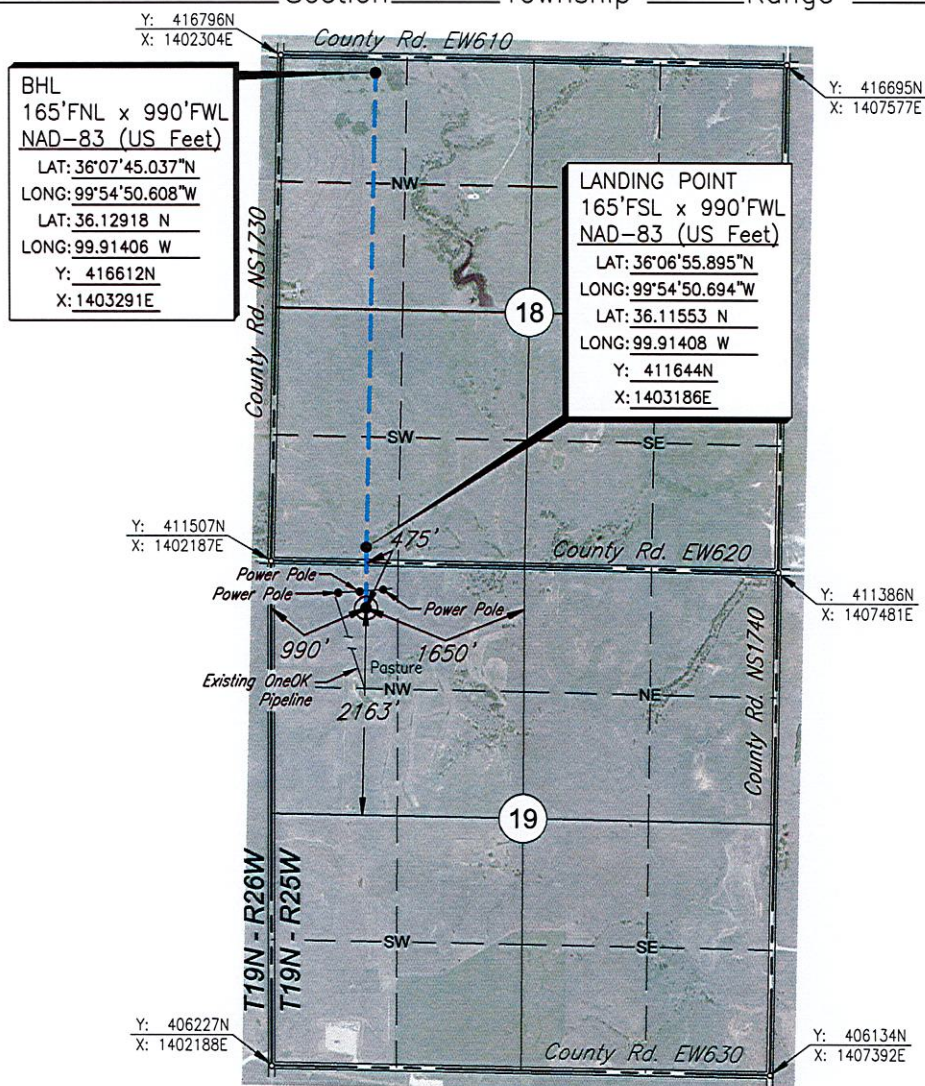
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450'FNL - 990'FWL Section 19 Township 19N Range 25W I.M.



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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

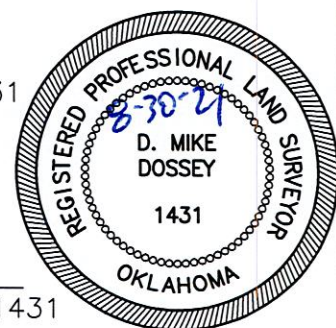
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distances shown are from existing lines of occupation.



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

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





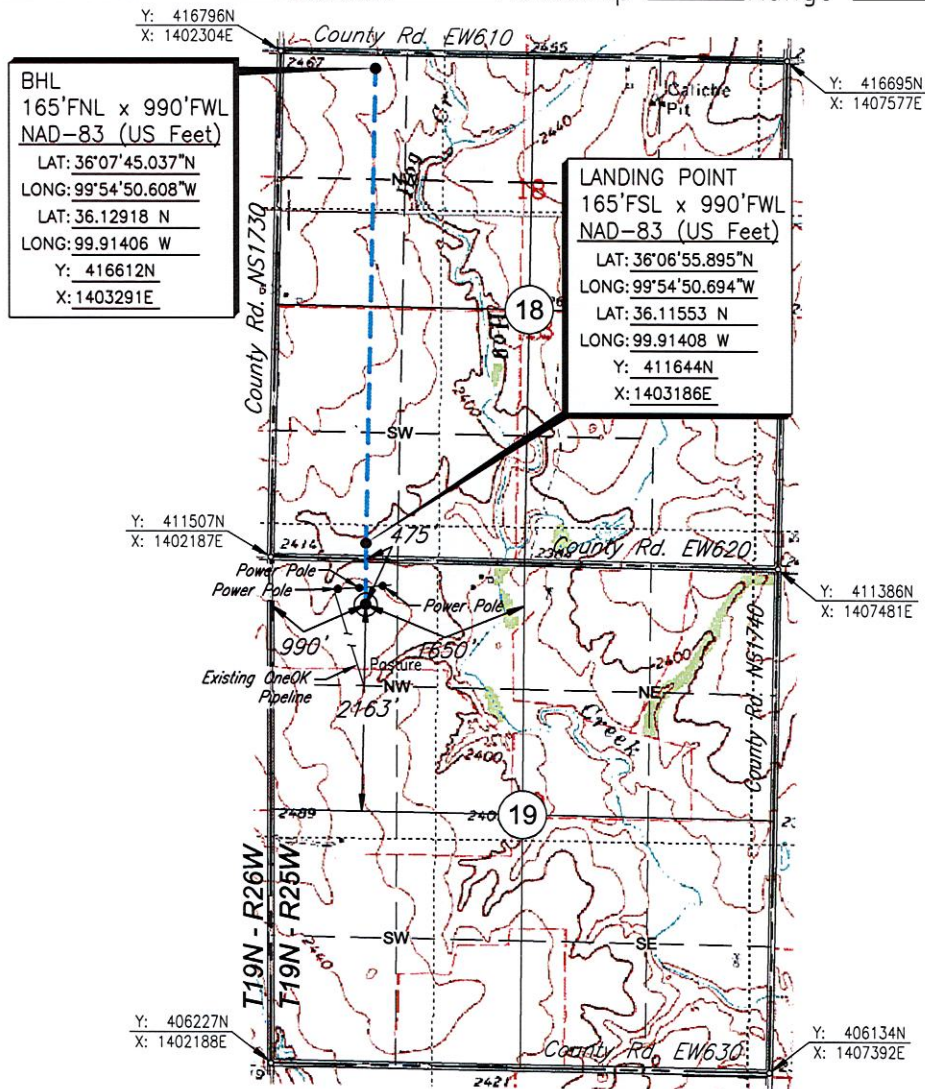
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County, Oklahoma

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



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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

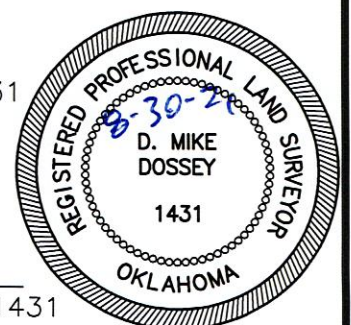
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SURVEYOR'S CERTIFICATE:

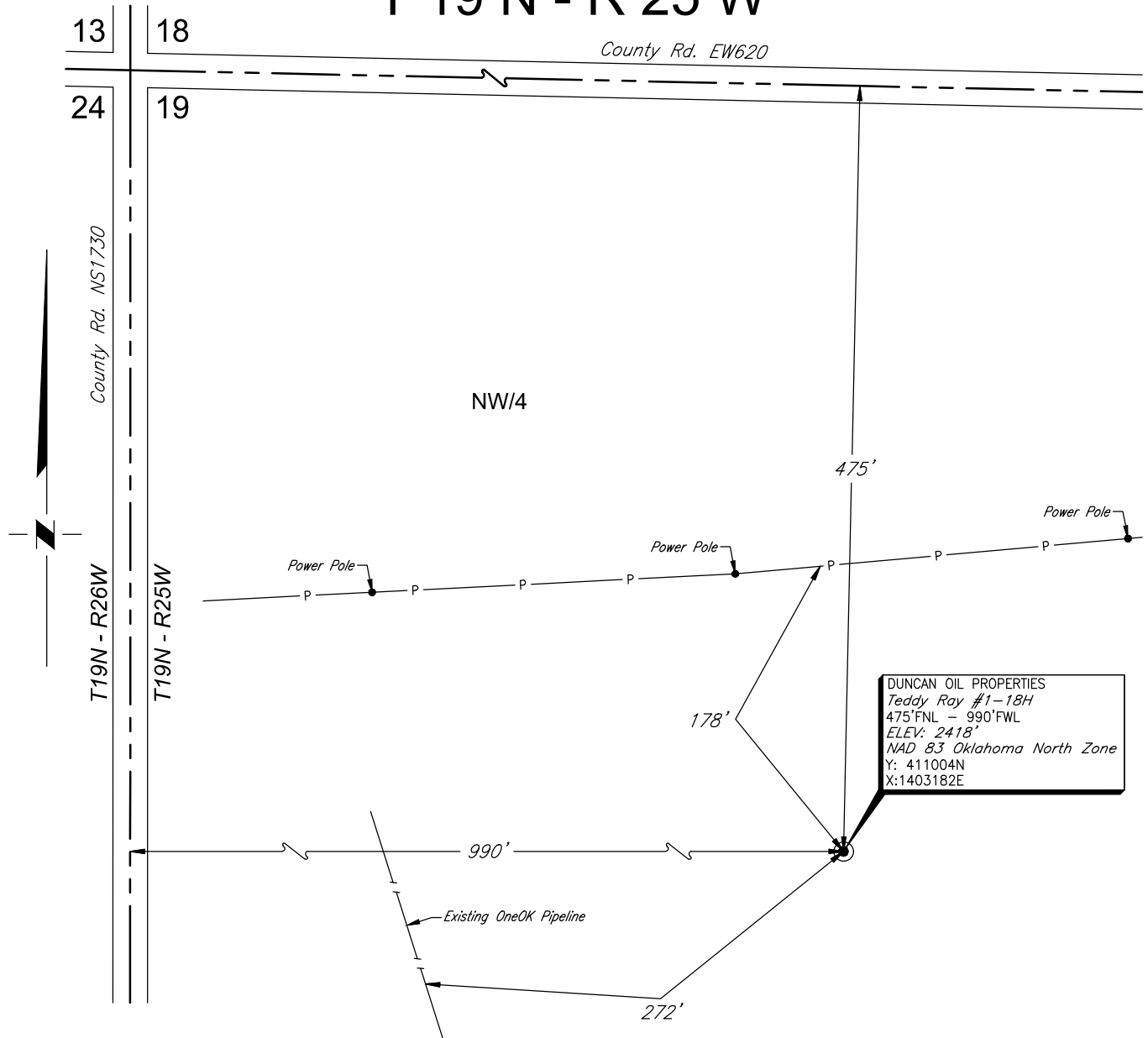
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JOB NO.: 211431_TOPO				
DATE: 02/25/21	1	MOVED WELL HEAD	08/30/21	T.A.W.
DRAWN BY: T.A.W.	NO.	REVISION	DATE	BY

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



# T 19 N - R 25 W



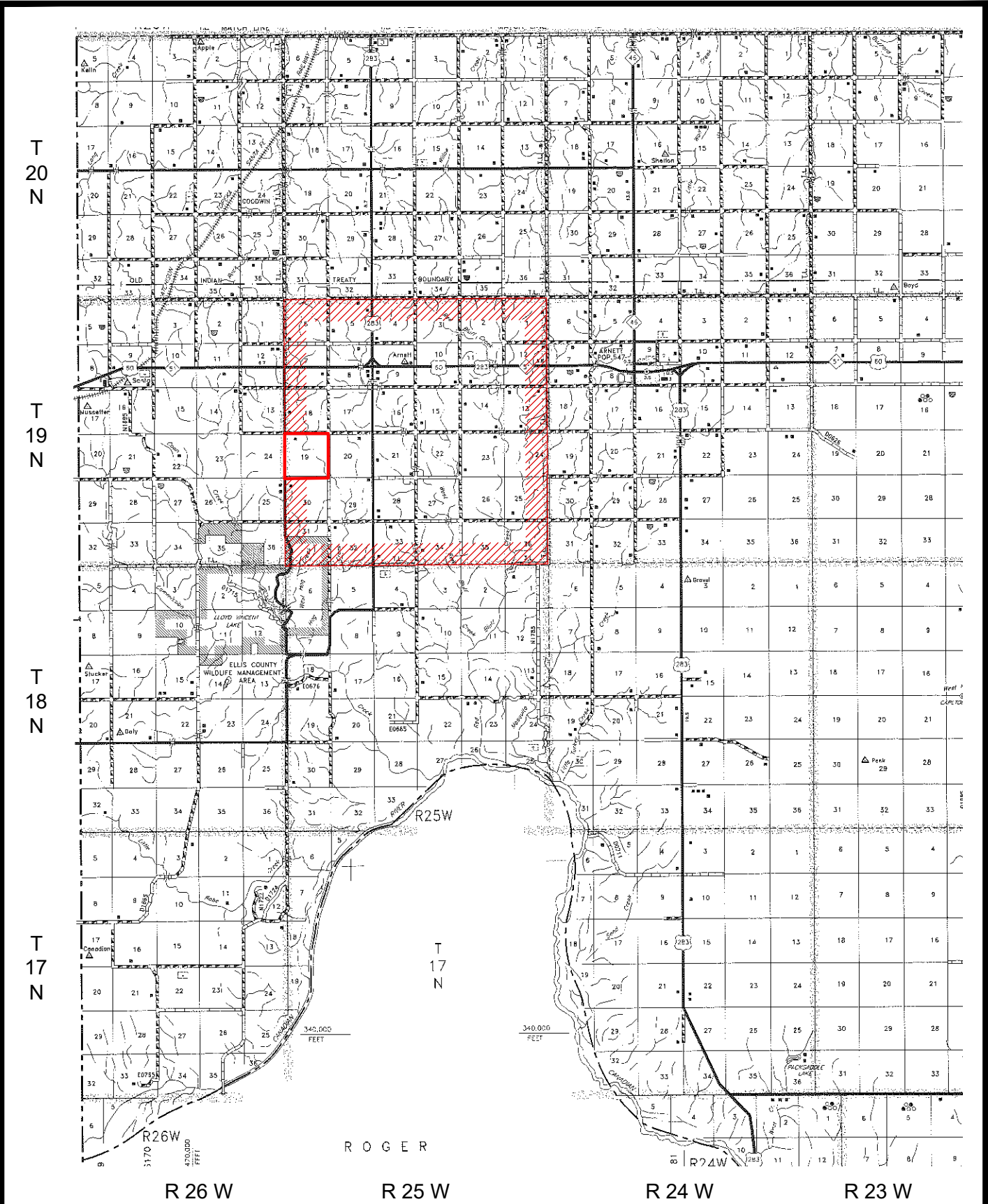
## PLAT SHOWING WELL LOCATION DETAIL IN THE NE/4 OF SECTION 19, T19N - R25W ELLIS COUNTY, OKLAHOMA

### NOTES:


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

				DUNCAN OIL PROPERTIES	SCALE:	1"=100'
1	MOVED WELL HEAD	08/30/21	T.A.W.		DATE:	03/04/21
NO.	REVISION	DATE	BY		JOB NO.:	211431
SURVEYED BY: J.D.					DWG. NO.:	2114.31_DETAIL
DRAWN BY: T.A.W.					AFE. NO:	
APPROVED BY: D.M.D.				<div><div>CIMARRON. SURVEYING &amp; MAPPING CO. C.A. No. 1780 Expires June 30, 2022</div><div>1530 SW 89th STREET, Bldg. C3 OKLAHOMA CITY, OK (405) 692-7348 www.CIMSURVEY.COM</div></div>	SHEET 1 OF 1	

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

				<div>DUNCAN OIL PROERTIES</div>	SCALE: 1" = 3 Miles		
					DATE: 02/25/21		
NO.	REVISION	DATE	BY		JOB NO.: 211431		
SURVEYED BY: J.D.					DWG. NO.: 2114.31_VMAP		
DRAWN BY: T.A.W.					AFE. NO:		
APPROVED BY: D.M.D.				<div><div></div><div><div>CIMARRON.</div><div>SURVEYING &amp; MAPPING CO.</div><div><small>CA No. 1780 Expires June 30, 2022</small></div></div><div><div>1530 SW 89th STREET, Bldg. C3</div><div>Oklahoma City, OK</div><div>(405) 692-7348</div><div>WWW.CIMSURVEY.COM</div></div></div>	SHEET 1 OF 1		