

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

API NUMBER: 039 22590

Approval Date: 11/16/2020
Expiration Date: 05/16/2022

Straight Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 12 Township: 14N Range: 18W County: CUSTER

SPOT LOCATION: ☐ SW ☐ SE ☐ SE ☐ NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 2430 2260

Lease Name: DORIS Well No: 4-12 Well will be 2260 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

KATE HATCHER ESTATE TRUST, THOMAS A. TUTWILLER,
TRUSTEE
P.O. BOX 755
CLINTON OK 73601

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

Name	Code	Depth
1 ATOKA	403ATOK	11785

Spacing Orders: 105053

Location Exception Orders: No Exceptions

Increased Density Orders: No Density Orders

Pending CD Numbers: 202001515

Working interest owners' notified: ***

Special Orders: No Special Orders

Total Depth: 11800

Ground Elevation: 1734

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 300

Deep surface casing has been approved

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: 20-37449

H. (Other)

CLOSED SYSTEM=STEEL PITS (REQUIRED - EAST
BARNITZ CREEK AND BARNITZ CREEK)

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: CLOUD CHIEF

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.

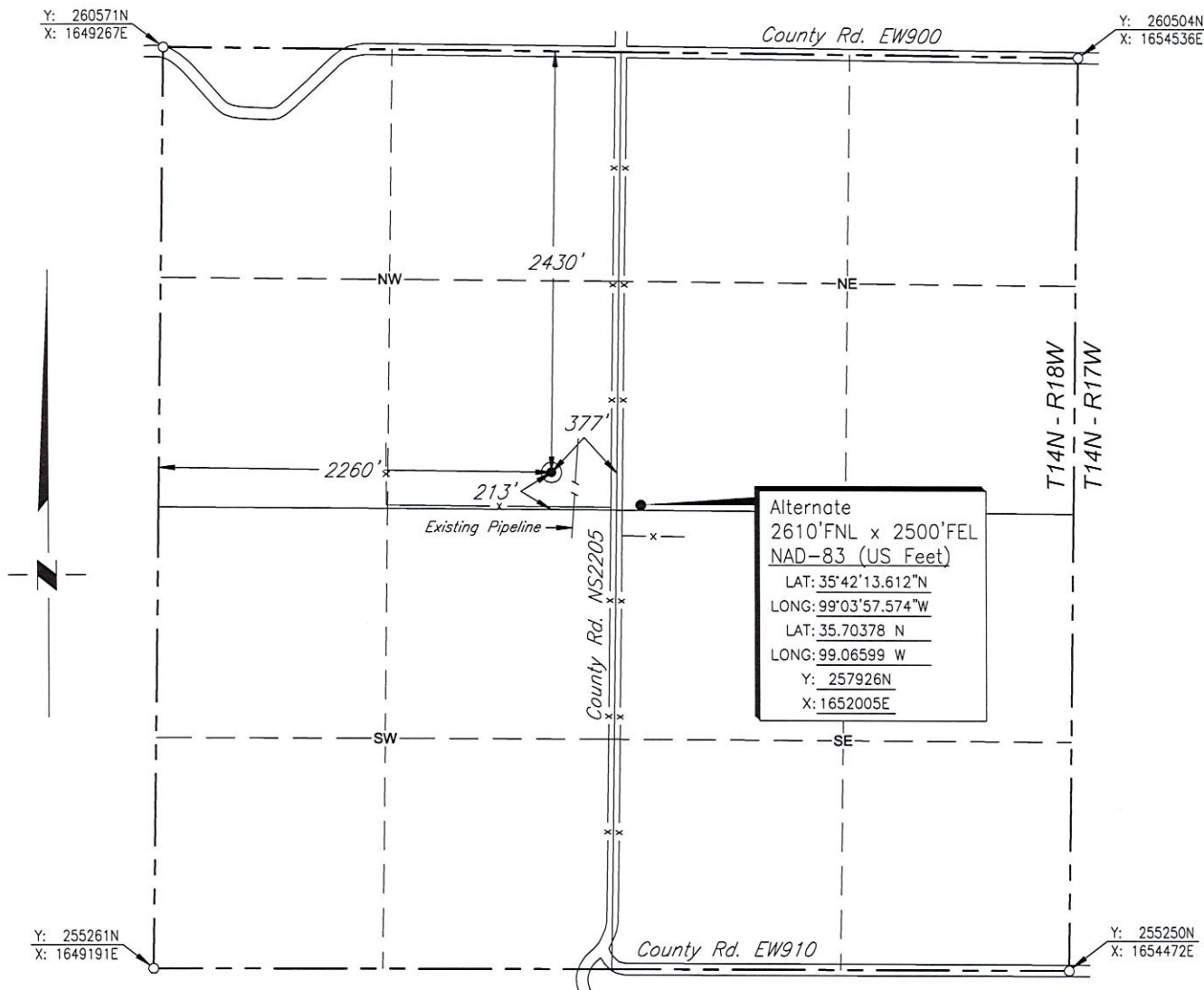
Category	Description
HYDRAULIC FRACTURING	<p>[11/12/2020 - GC2] - OCC 165:10-3-10 REQUIRES:</p> <p>1) NOTICE SHALL BE GIVEN AT LEAST 5 BUSINESS DAYS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS ON A HORIZONTAL WELL TO OPERATORS PRODUCING WELLS WITHIN 1 MILE OF THE COMPLETION INTERVAL OF THE 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>
PENDING CD - 202001515	<p>[11/16/2020 - GC2] - 12-14N-18W X105053 ATOK 1 WELL NO OP NAMED REC. 9-21-2020 (HUBER)</p>
SPACING - 105053	<p>[11/16/2020 - GC2] - (640) 12-14N-18W EST ATOK, OTHERS</p>
WATERSHED STRUCTURE	<p>[11/12/2020 - GC2] - WELL WITHIN 1/2 MILE OF AN OKLAHOMA CONSERVATION COMMISSION WATERSHED STRUCTURE. CONTACT THE LOCAL CONSERVATION DISTRICT OFFICE AT (580) 323-4875 PRIOR TO DRILLING</p>



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

1530 SW 89TH STREET, Bldg. C3
Oklahoma City, OK
(405) 692-7348
cimsurvey.com

CUSTER County, Oklahoma
2430'FNL - 2260'FWL Section 12 Township 14N Range 18W I.M.



Scale: 1"= 1000' Date Staked: Oct. 15, 2020

GPS Observation: Latitude 35°42'15.397" N
Longitude 99°04'03.815" W
Latitude 35.70428 N
Longitude 99.06773 W

State Plane NAD83 Y: 258112N
Oklahoma North Zone: X:1651492E

Operator: DUNCAN OIL PROPERTIES Elevation: 1734'

Lease Name: DORIS Well No.: 4-12

Topography & Vegetation: Pasture

Alternate Location Stakes Set: No Good Drill Site? Yes

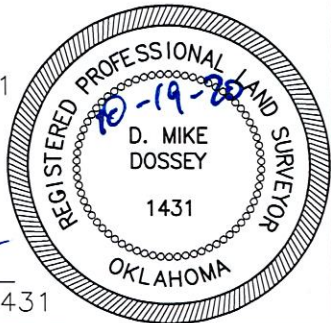
Best Accessibility to Location: From the N-S Quarter Section Line Road

Distance & Direction
from Hwy Jct or Town: From the town of Butler; Thence East along State Hwy. 33
approx. 7 miles; Thence North approx. 4½ miles to the Center of Section 12.

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.: 200302				
DATE: 10/16/20				
DRAWN BY: T.A.W.	NO.	REVISION	DATE	BY

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





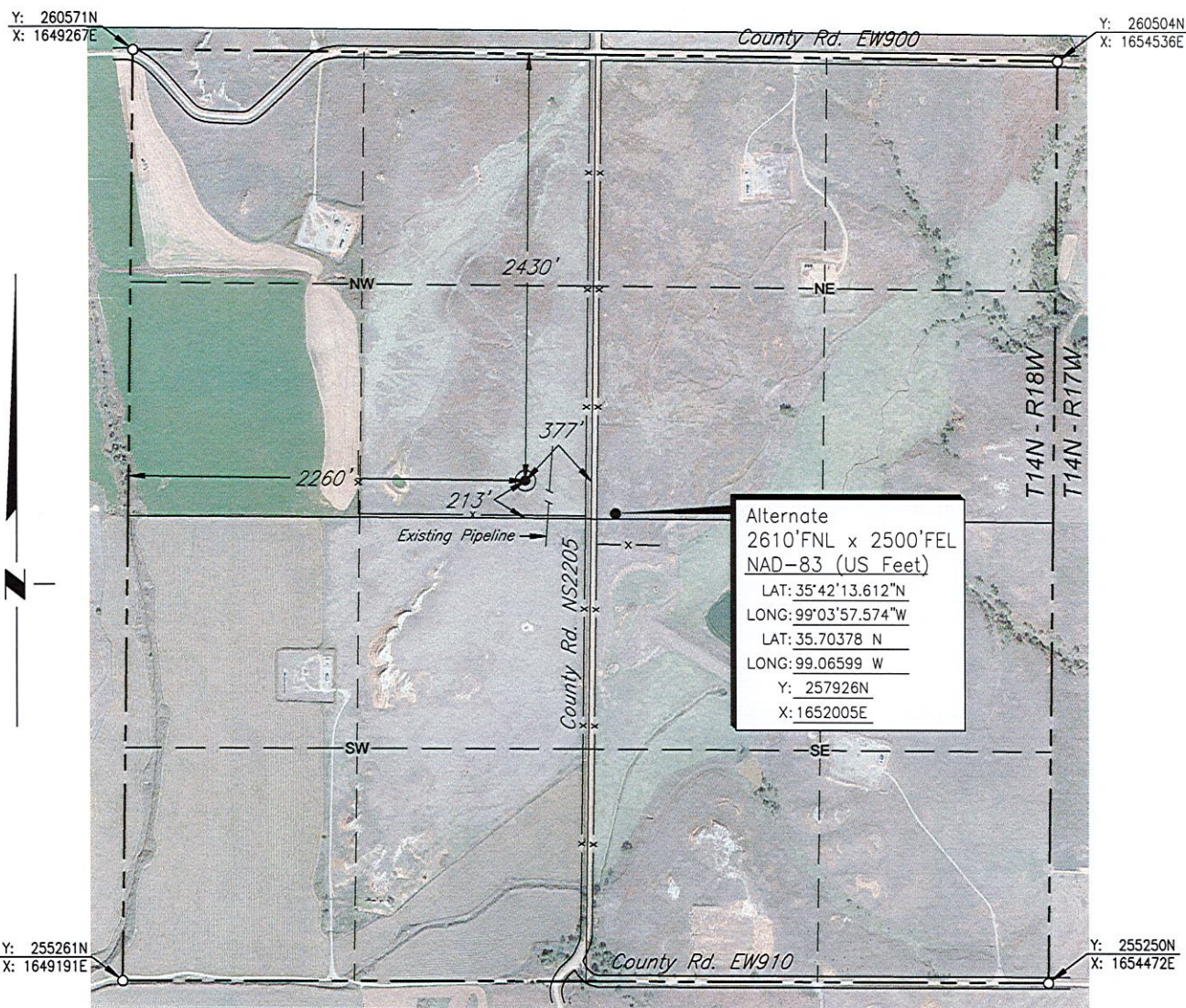
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Operator: DUNCAN OIL PROPERTIES

Elevation: 1734'

Lease Name: DORIS

Well No.: 4-12

Topography & Vegetation: Pasture

Alternate Location Stakes Set: No

Good Drill Site? Yes

Best Accessibility to Location: From the N-S Quarter Section Line Road

Distance & Direction

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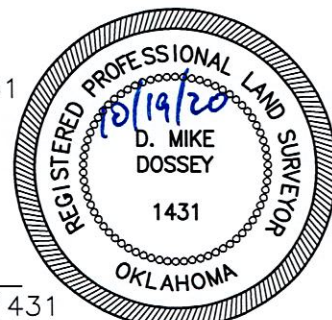
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JOB NO.: 200302_AERIAL				
DATE: 10/16/20				
DRAWN BY: T.A.W.	NO.	REVISION	DATE	BY

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





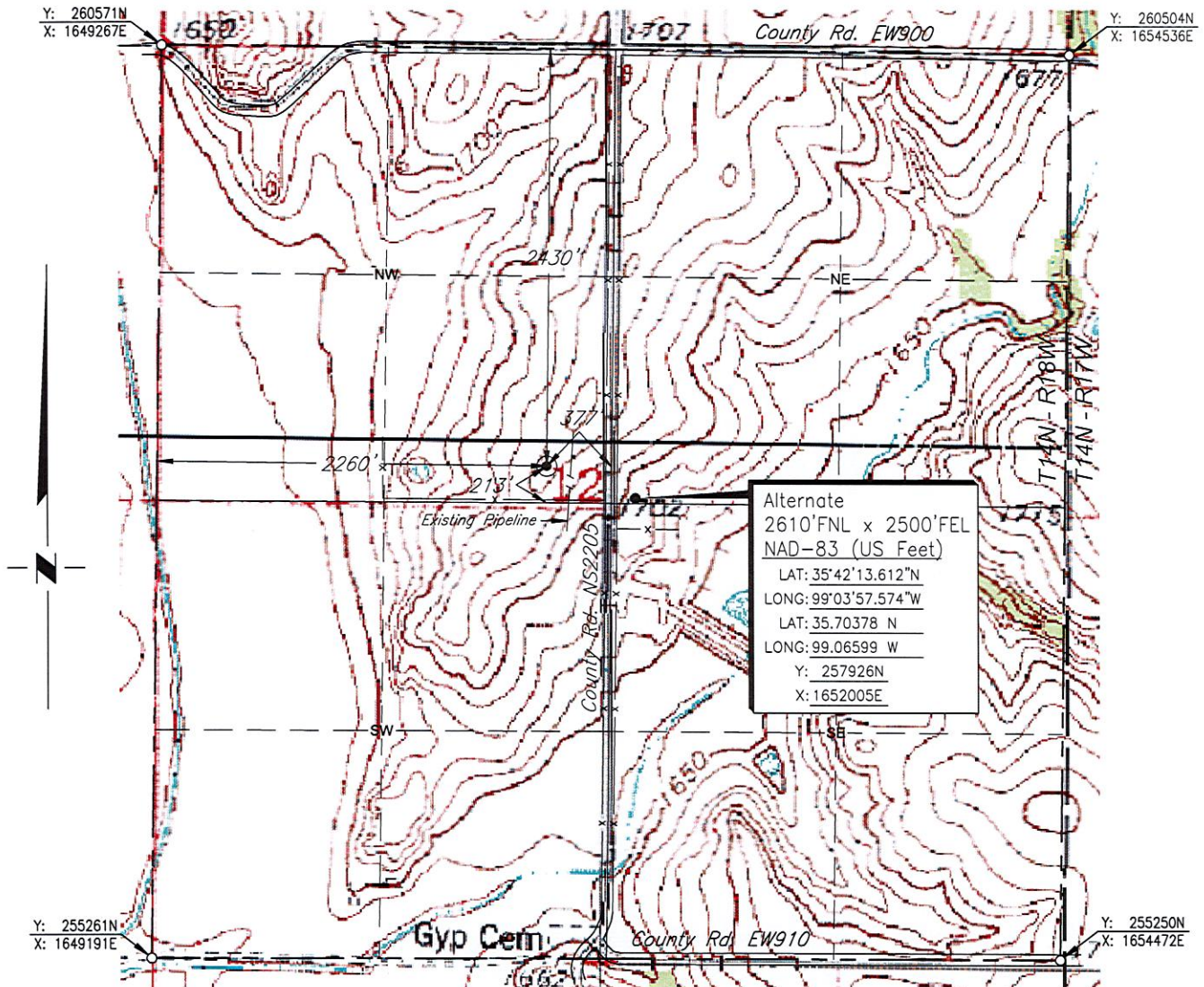
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Topography & Vegetation: Pasture

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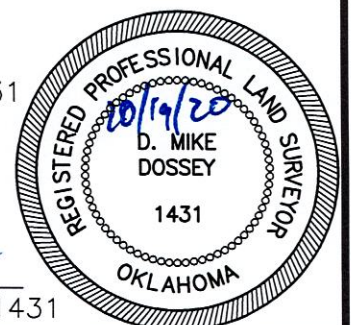
Distance & Direction
from Hwy Jct or Town: From the town of Butler; Thence East along State Hwy. 33
approx. 7 miles; Thence North approx. 4½ miles to the Center of Section 12.

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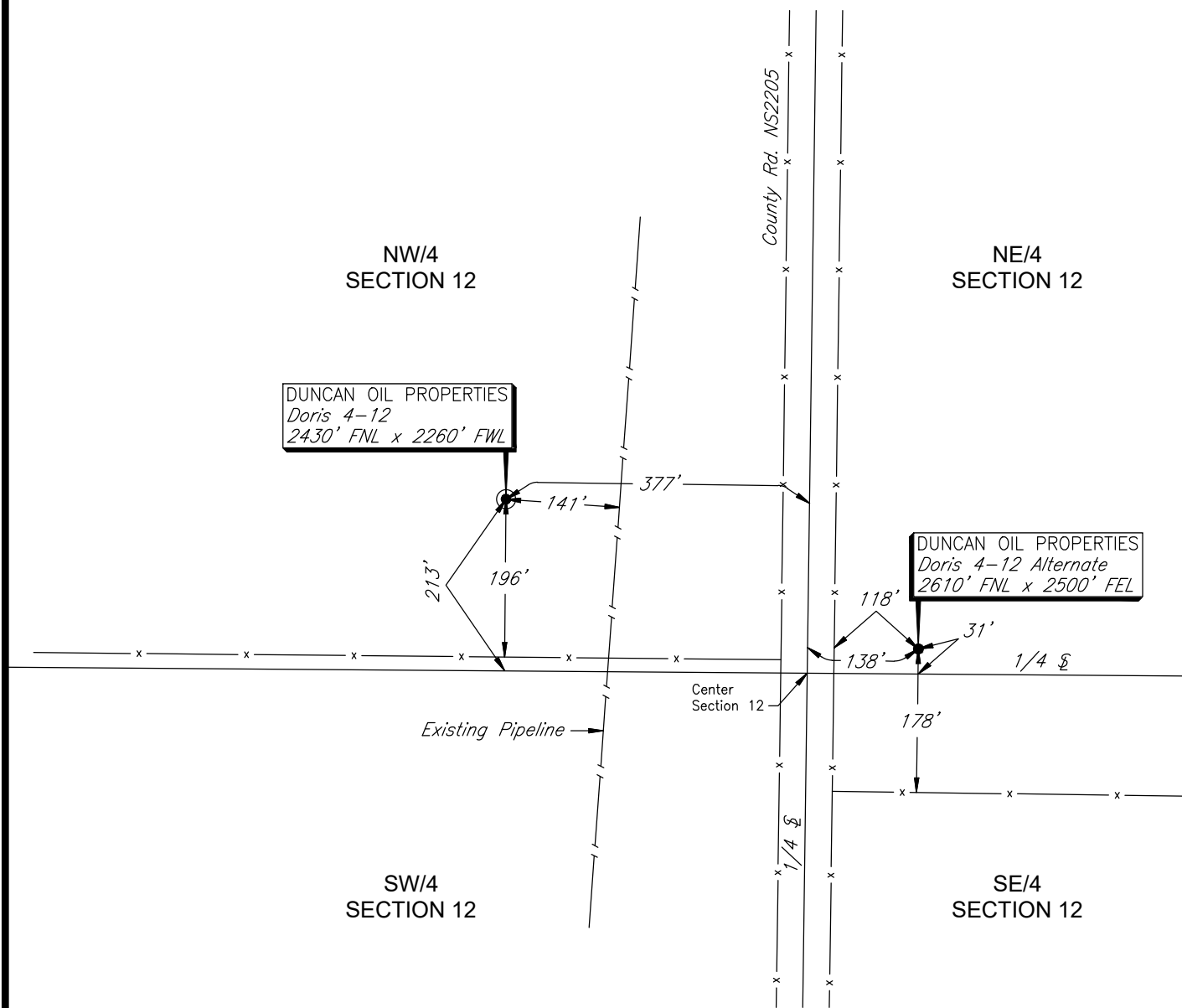
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JOB NO.: 200302_TOPO				
DATE: 10/16/20				
DRAWN BY: T.A.W.	NO.	REVISION	DATE	BY

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

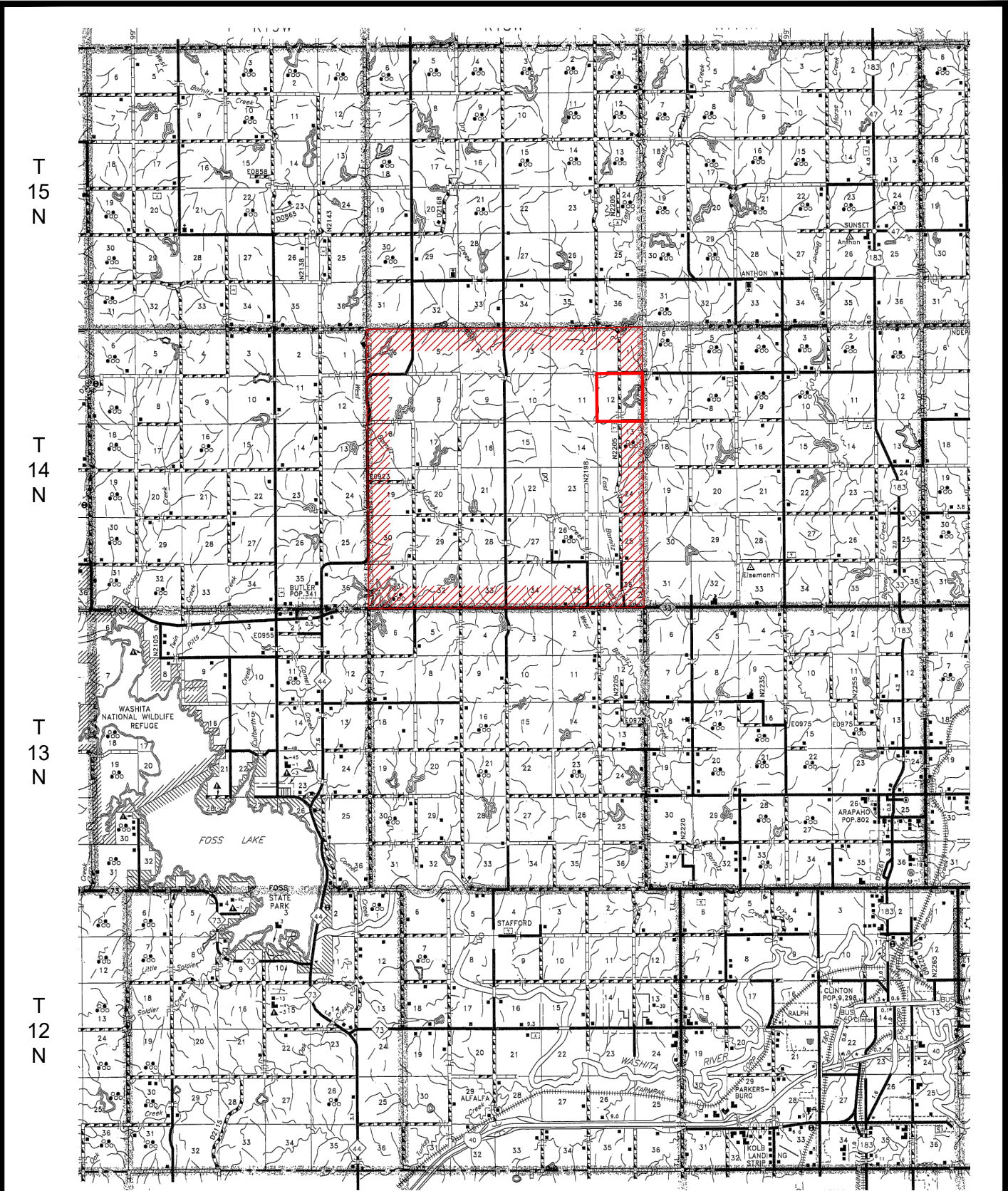


T 14 N - R 18 W




DETAIL OF PROPOSED WELL LOCATIONS IN SECTION 12, T14N - R18W CUSTER COUNTY, OKLAHOMA

				<div>PLOT PLAN</div>	SCALE:	1"=200'
					DATE:	10/16/20
NO.	REVISION	DATE	BY		JOB NO.:	200302
SURVEYED BY: D.D.					DWG. NO.:	2003.02_DETAIL
DRAWN BY: T.A.W.					AFE. NO:	
APPROVED BY: D.M.D.				<div><div> CIMARRON. SURVEYING & 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	



PLAT SHOWING
VICINITY MAP FOR
SECTION 12, T14N - R18W
CUSTER COUNTY, OKLAHOMA

				<div><div></div><div>DUNCAN OIL PROERTIES</div></div>	SCALE:	1" = 3 Miles
					DATE:	10/16/20
NO.	REVISION	DATE	BY		JOB NO.:	200302
SURVEYED BY: D.D.					DWG. NO.:	2003.02_VMAP
DRAWN BY: T.A.W.					AFE. NO:	
APPROVED BY: D.M.D.				<div><div></div><div>CIMARRON. SURVEYING & MAPPING CO. <small>C.A. No. 1780 Expires June 30, 2022</small></div><div>1530 SW 89th STREET, Bldg. C3 Oklahoma City, OK (405) 692-7348 www.cimsurvey.com</div></div>	SHEET 1 OF 1	