

API NUMBER: 045 23857

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

Approval Date: 03/25/2022
Expiration Date: 09/25/2023

Horizontal Hole Oil & Gas

PERMIT TO DRILL

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

SPOT LOCATION: ☐ SW ☐ NW ☐ NE ☐ NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 450 1170

Lease Name: MITCHELL Well No: 2-18H Well will be 450 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

WILLIAM E. MITCHELL
P.O. BOX 434
ARNETT OK 73832

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

Name	Code	Depth
1 CLEVELAND	405CLVD	8560

Spacing Orders: 718356
719133

Location Exception Orders: 722083

Increased Density Orders: 722081

Pending CD Numbers: No Pending

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 14150 Ground Elevation: 2427

Surface Casing: 720

Depth to base of Treatable Water-Bearing FM: 640

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

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 22-38092
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: 5174
	County: ELLIS			Measured Total Depth: 14150
Spot Location of End Point: N2	NW	NE	NE	True Vertical Depth: 8619
Feet From: NORTH		1/4 Section Line: 165		End Point Location from
Feet From: EAST		1/4 Section Line: 990		Lease, Unit, or Property Line: 165

NOTES:

Category	Description
HYDRAULIC FRACTURING	<p>[3/22/2022 - 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>
INCREASED DENSITY - 722081	<p>[3/24/2022 - G56] - 18-19N-25W X718356/719133 CLVD 3 WELLS DUNCAN OIL PROPERTIES INC. 12/9/2021</p>
LOCATION EXCEPTION - 722083	<p>[3/24/2022 - G56] - (I.O.) 18-19N-25W X718356/719133 CLVD COMPL INT NCT 165' FSL, NCT 165' FNL, NCT 660' FEL DUNCAN OIL PROPERTIES, INC 12/9/2021</p>
MEMO	<p>[3/22/2022 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT</p>
SPACING - 718356	<p>[3/24/2022 - G56] - (640)(HOR) 18-19N-25W VAC 480994 CLVD EXT 684539 CLVD POE TO BHL NLT 660' FB</p>
SPACING - 719133	<p>[3/24/2022 - G56] - CONFIRM 718356 AS TO PROPER NOTICE</p>
SURFACE CASING	<p>[3/22/2022 - GC2] - NO DEEP SURFACE CASING - LOST CIRCULATION IN 24 & 30-19N-25W</p>



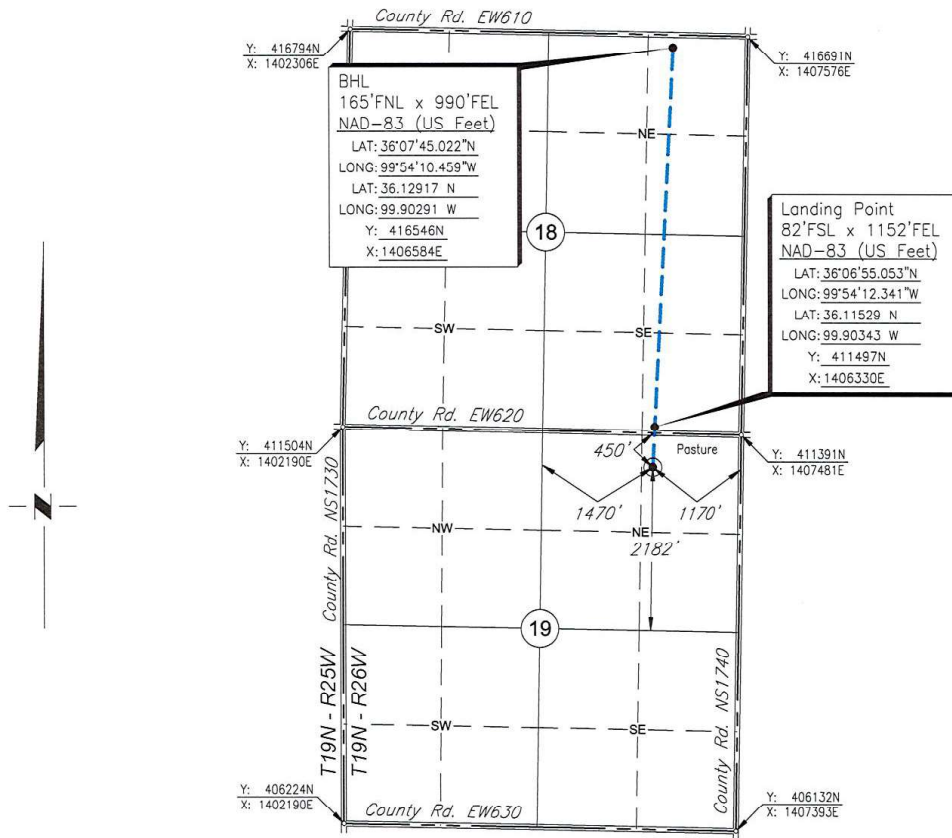
CIMARRON
SURVEYING & MAPPING CO.
CA No. 1780 Expires June 30, 2022

1530 SW 89TH STREET, Bldg. C3
OKLAHOMA City, OK
(405) 692-7348
CIMSURVEY.COM

ELLIS

County, Oklahoma

450'FNL - 1170'FEL Section 19 Township 19N Range 25W I.M.



Scale: 1" = 2000'

Date Staked: November 10, 2021

GPS Observation: Latitude 36°06'49.797" N
Longitude 99°54'12.538" W
Latitude 36.11383 N
Longitude 99.90348 W

State Plane NAD83 Y: 410966N
Oklahoma North Zone: X: 1406304E

Operator: DUNCAN OIL PROPERTIES Elevation: 2427'

Lease Name: MITCHELL Well No.: 2-18H

Topography & Vegetation: Pasture

Alternate Location Stakes Set: No Good Drill Site? Yes

Best Accessibility to Location: From the North Line

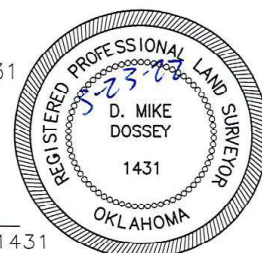
Distance & Direction

from Hwy Jct or Town: From the junction of U.S. Hwy. 283 & U.S. Hwy. 60; Thence West 1 mile; Thence South 1½ miles to the NE 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.

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



JOB NO.: 2114248				
DATE: 11/17/21				
DRAWN BY: T.A.W.	NO.	REVISION	DATE	BY



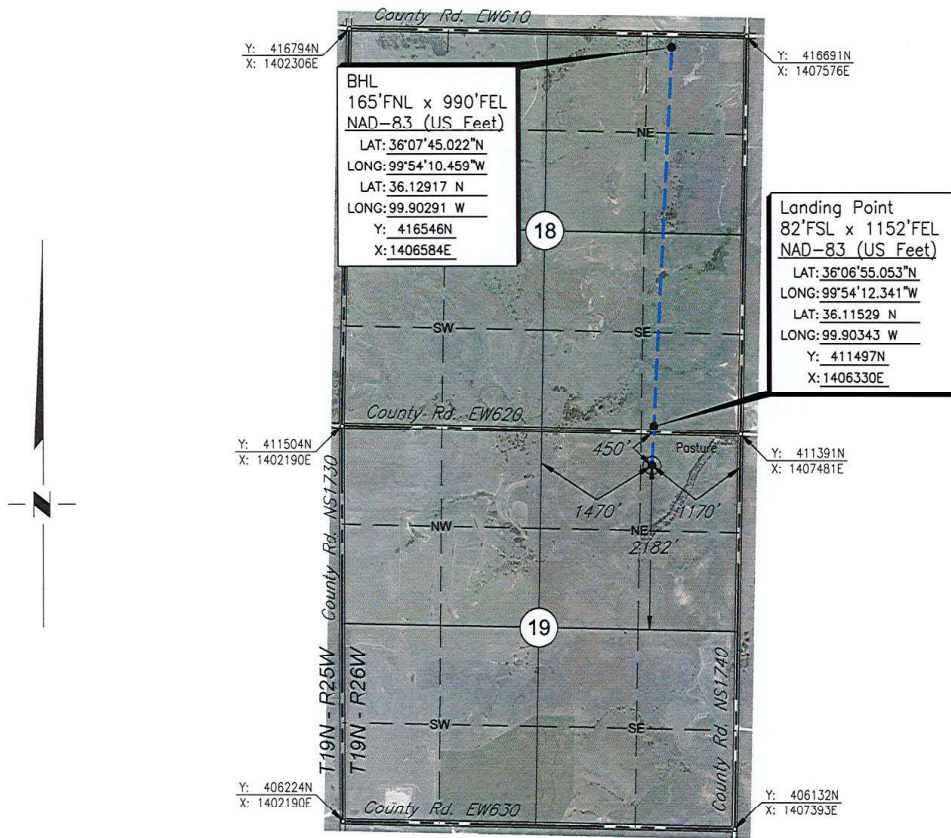
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Operator: DUNCAN OIL PROPERTIES

Elevation: 2427'

Lease Name: MITCHELL

Well No.: 2-18H

Topography & Vegetation: Pasture

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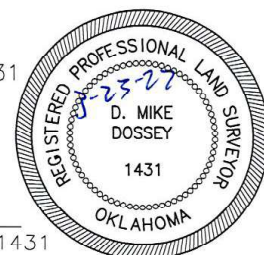
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JOB NO.: 2114248_AERIAL				
DATE: 11/17/21				
DRAWN BY: T.A.W.	NO.	REVISION	DATE	BY

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



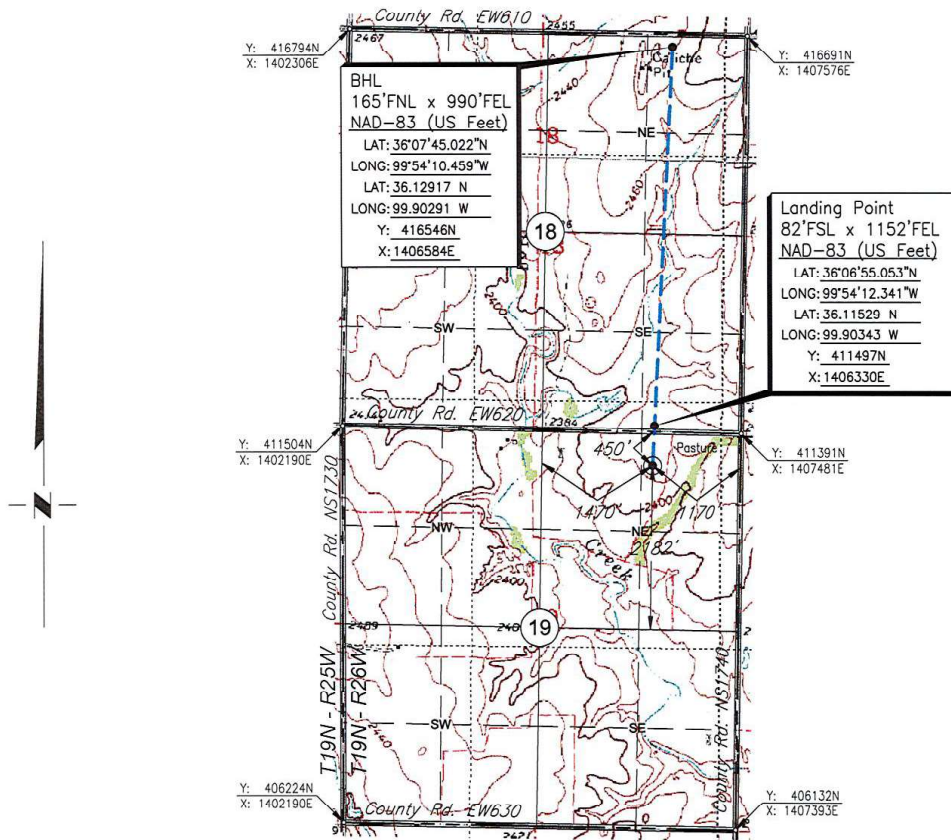
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C.A. No. 1780 Expires June 30, 2022

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County, Oklahoma

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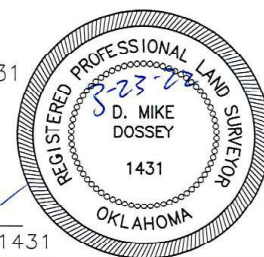
Distance & Direction
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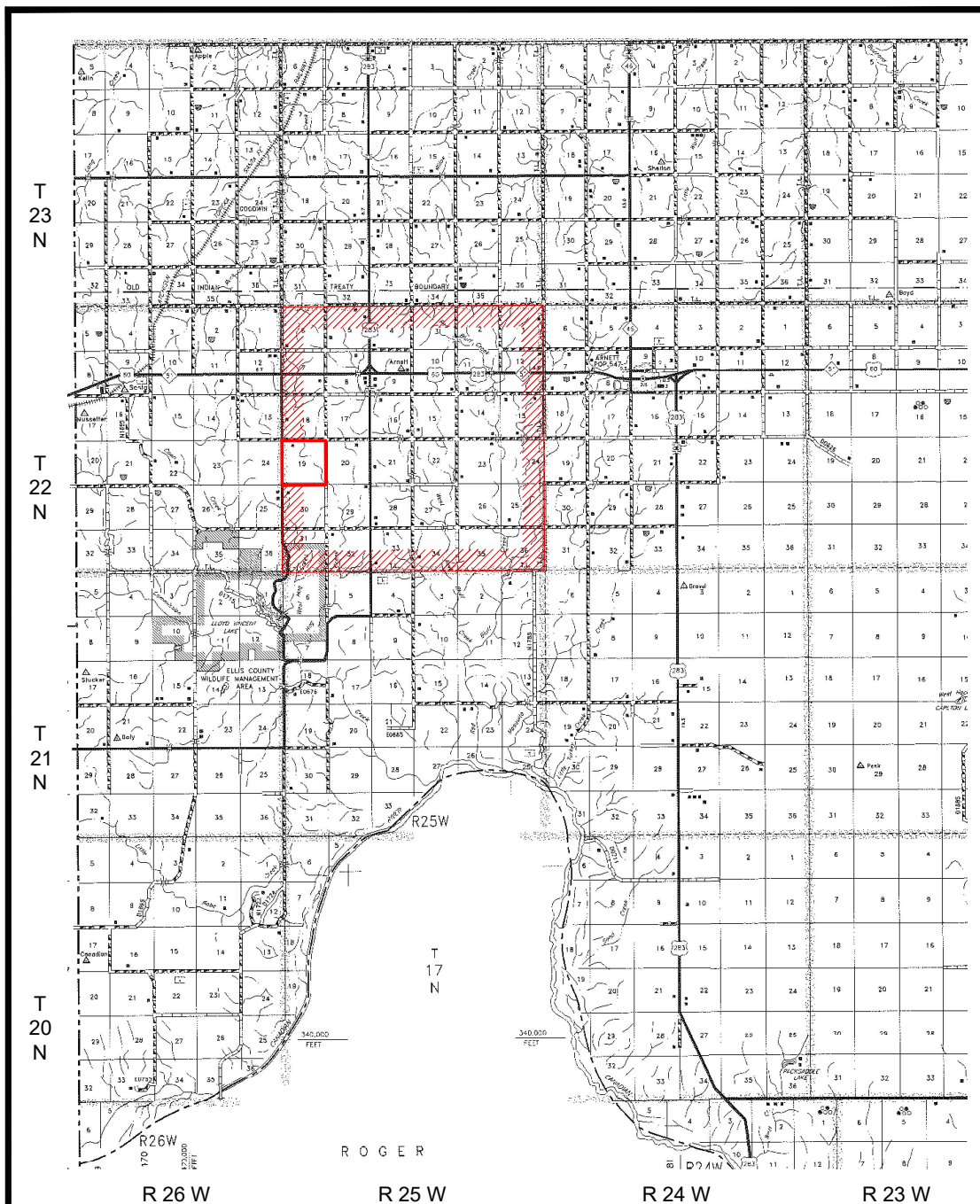
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carefully staked on the ground as shown and that all ties and
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JOB NO.: 2114248_TOPO				
DATE: 11/17/21				
DRAWN BY: T.A.W.	NO.	REVISION	DATE	BY

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





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

				<div>DUNCAN OIL PROPERTIES</div> <div><div><div>CIMARRON.</div><div>SURVEYING & MAPPING CO.</div><div>CA No 1780 Expires Jan 30, 2022</div></div><div><div>1530 SW 89th STREET, Bldg. C3</div><div>OKLAHOMA CITY, OK</div><div>(405) 692-7348</div><div>WWW.CIMARRONSURVEY.COM</div></div></div>	SCALE:	1" = 3 Miles
					DATE:	11/17/21
NO.	REVISION	DATE	BY		JOB NO.:	2114248
SURVEYED BY: D.D.					DWG. NO.:	2114.248_VMAP
DRAWN BY: T.A.W.					AFE. NO:	
APPROVED BY: D.M.D.				SHEET	1 OF 1	

1530 SW 89th Street, Bldg. C3
Oklahoma City, OK
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www.cimarron.com