

API NUMBER: 045 23851

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

Approval Date: 01/04/2022
Expiration Date: 07/04/2023

Multi Unit Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 32 Township: 19N Range: 25W County: ELLIS

SPOT LOCATION: S2 N2 NE NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 440 660

Lease Name: BD Well No: 1-29HX Well will be 440 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

JAY BOYD
PO BOX 1
ARNETT OK 73832

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

Name	Code	Depth
1 CLEVELAND	405CLVD	9060

Spacing Orders: 684540 Location Exception Orders: 688504 Increased Density Orders: 685605
684541 721765 721159
688502

Pending CD Numbers: No Pending

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 17200 Ground Elevation: 2367

Surface Casing: 630

Depth to base of Treatable Water-Bearing FM: 580

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: 21-38019
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: AP/TE DEPOSIT
Pit Location Formation: TERRACE

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: AP/TE DEPOSIT
Pit Location Formation: TERRACE

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.

MULTI UNIT HOLE 1

Section: 20 Township: 19N Range: 25W Meridian: IM Total Length: 7831
 County: ELLIS Measured Total Depth: 17200
 Spot Location of End Point: C E2 E2 True Vertical Depth: 9200
 Feet From: **SOUTH** 1/4 Section Line: 2640 End Point Location from
 Feet From: **EAST** 1/4 Section Line: 660 Lease, Unit, or Property Line: 660

NOTES:

Category	Description
HYDRAULIC FRACTURING	[12/30/2021 - GC2] - OCC 165:10-3-10 REQUIRES: 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; 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: OCCWEB.COM/OG/OGFORMS.HTML ; AND, 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
INCREASED DENSITY - 685605	[1/4/2022 - G56] - 20-19N-25W X684540 CLVD 1 WELL NO OP NAMED 10/26/2018
INCREASED DENSITY - 721159	[1/4/2022 - G56] - EXTENSION OF TIME FOR ORDER # 685605
LOCATION EXCEPTION - 688504	[1/4/2022 - G56] - (I.O.) 20 & 29-19N-25W X684541 CLVD 29-19N-25W X684540 CLVD 20-19N-25W COMPL INT (29-19N-25W) NCT 165' FSL, NCT 0' FNL, NCT 500' FEL COMPL INT (20-19N-25W) NCT 0' FSL, NCT 165' FNL, NCT 500' FEL NO OP NAMED 12/18/2018
LOCATION EXCEPTION - 721765	[1/4/2022 - G56] - EXTENSION OF TIME FOR ORDER # 688504
MEMO	[12/30/2021 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 684540	[1/4/2022 - G56] - (640)(HOR) 20-19N-25W VAC 88225 CLVD EST CLVD POE TO BHL NLT 660' FB
SPACING - 684541	[1/4/2022 - G56] - (640)(HOR) 29-19N-25W VAC 88225 CLVD EXT 584995 CLVD POE TO BHL NLT 660' FB
SPACING - 688502	[1/4/2022 - G56] - (I.O.) 20 & 29-19N-25W EST MULTIUNIT HORIZONTAL WELL X684541 CLVD 29-19N-25W X684540 CLVD 20-19N-25W 66% 29-19N-25W 34% 20-19N-25W DUNCAN OIL PROP, INC 12/18/2018
SURFACE CASING	[12/30/2021 - GC2] - NO DEEP SURFACE CASING - LOST CIRCULATION IN 30-19N-25W

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.



CIMARRON
SURVEYING & MAPPING CO.
C.A. No. 1760 Expires June 30, 2020

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

ELLIS

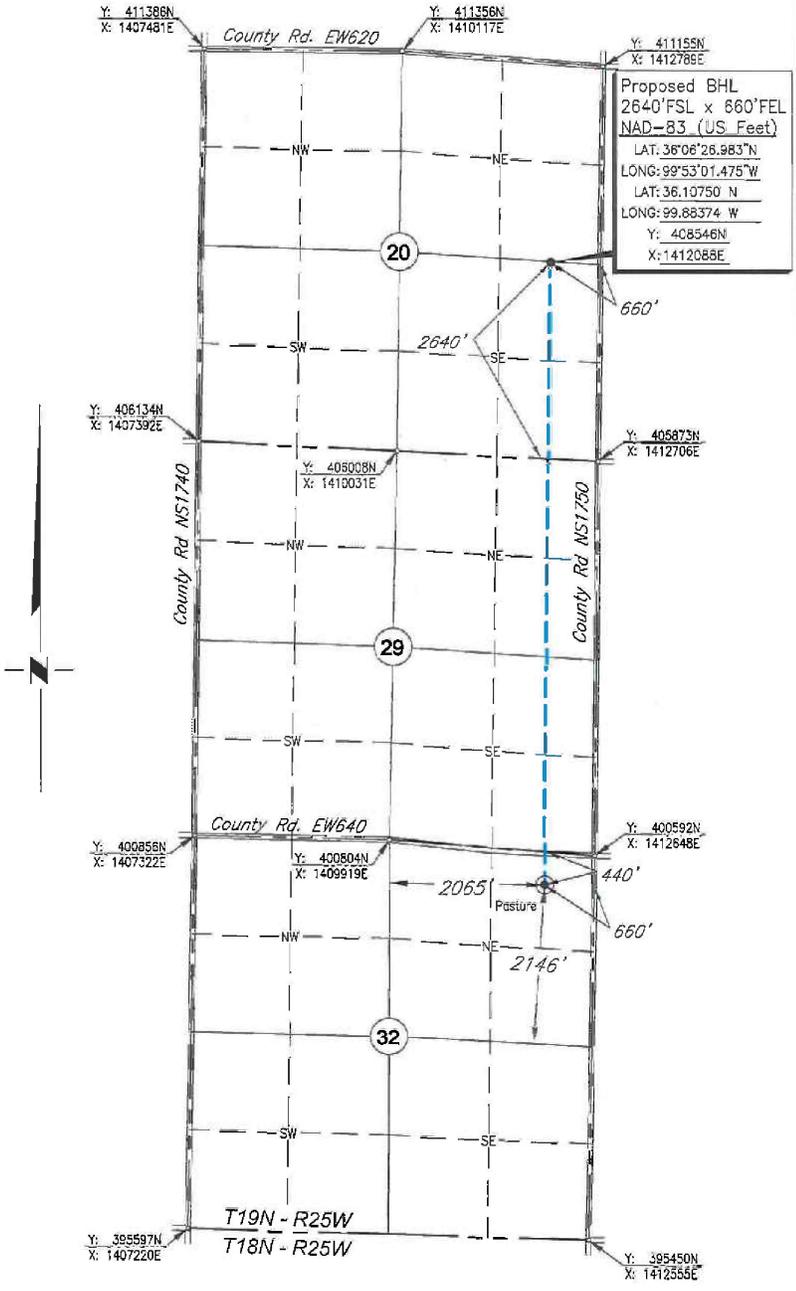
County, Oklahoma

440' FNL - 660' FEL Section 32 Township 19N Range 25W I.M.

Scale: 1" = 2000'
GPS Observation: Latitude 36°05'04.467" N
Longitude 99°53'00.814" W
Latitude 36.08457 N
Longitude 99.88356 W
Operator: DUNCAN OIL PROPERTIES
Lease Name: BD

Date Staked: November 8, 2018
State Plane NAD83 Y: 400202N
Oklahoma North Zone X: 1411981E
Elevation: 2367'
Well No.: 1-29HX

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 junction of U.S. Hwy. 60 & U.S. Hwy.
283. Thence south approx. 3/2 miles to the NE Corner of Section 32.



Proposed BHL
2640' FSL x 660' FEL
NAD-83 (US Feet)
LAT: 36°06'28.983"N
LONG: 99°53'01.475"W
LAT: 36.10750 N
LONG: 99.88374 W
Y: 408546N
X: 1412688E

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.:	180307			
DATE:	11/13/18			
DRAWN BY:	T.A.W.	NO.	REVISION	DATE BY

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