

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

API NUMBER: 117 23724

Approval Date: 05/22/2024
Expiration Date: 11/22/2025

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 04 Township: 20N Range: 5E County: PAWNEE

SPOT LOCATION: NW SE NW NW FEET FROM QUARTER: FROM **NORTH** FROM **WEST**
SECTION LINES: 670 717

Lease Name: **ARKANSAS** Well No: **1-4H** Well will be **670** feet from nearest unit or lease boundary.
Operator Name: **FREEDOM OPERATING COMPANY LLC** Telephone: 5398672095 OTC/OCC Number: 24073 0

FREEDOM OPERATING COMPANY LLC
2250 E 73RD ST STE 500
TULSA, OK 74136-6834

TERRY & DENISE MARTIN
PO BOX 135
DRUMRIGHT OK 74030

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

Name	Code	Depth
1 RED FORK	404RDFK	3389

Spacing Orders: 733134 Location Exception Orders: 733426 Increased Density Orders: No Density Orders
740978

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

Total Depth: 7652 Ground Elevation: 1048 **Surface Casing: 140** Depth to base of Treatable Water-Bearing FM: 90

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: 24-39553
H. (Other)	CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits
Type of Mud System: WATER BASED
Chlorides Max: 5000 Average: 3000
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: OSCAR

HORIZONTAL HOLE 1

Section: 4 Township: 20N Range: 5E Meridian: IM Total Length: 3734
County: PAWNEE Measured Total Depth: 7652
Spot Location of End Point: S2 SE SE NE True Vertical Depth: 4400
Feet From: **NORTH** 1/4 Section Line: 2353 End Point Location from
Feet From: **EAST** 1/4 Section Line: 330 Lease, Unit, or Property Line: 330

Additional Surface Owner(s)	Address	City, State, Zip
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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>[5/16/2024 - 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 FRACTURING OPERATIONS. FORM 6000NHF SHALL BE FOUND HERE: HTTPS://OKLAHOMA.GOV/OCC/DIVISIONS/OIL-GAS/OGCD-FORMS; 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 - 733426	<p>[5/22/2024 - G56] - (I.O.) N2 4-20N-5E X733134 RDFK COMPL INT NCT 330' FNL, NCT 330' FSL, NCT 330' FEL NO OP NAMED 4/4/2023</p>
LOCATION EXCEPTION - 740978	<p>[5/22/2024 - G56] - EXT OF TIME FOR ORDER # 733426 TO 4/4/2025</p>
SPACING - 733134	<p>[5/21/2024 - G56] - (320)(HOR) N2 4-20N-5E LD EST RDFK POE TO BHL NCT 660' FB (COEXIST WITH SP # 278171, # 613652)</p>

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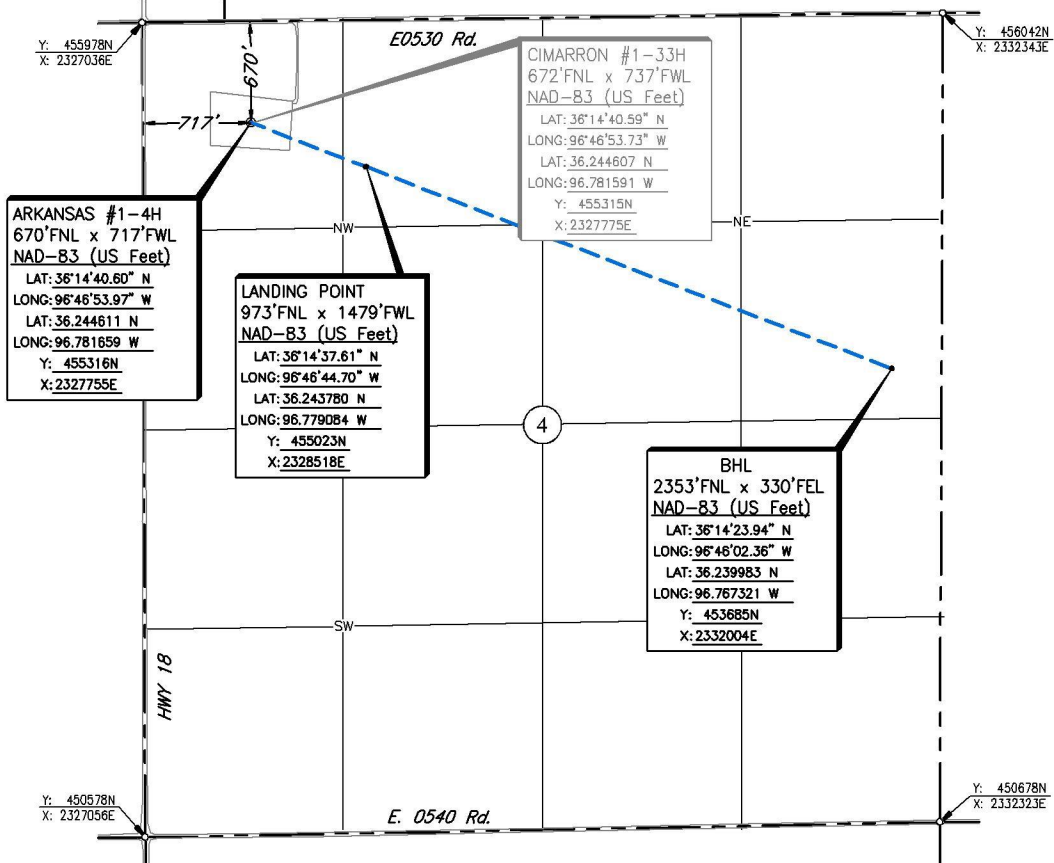


CIMARRON
SURVEYING & MAPPING CO.
C.A. No. 1780 Expires June 30, 2024

1530 SW 89th STREET, Bldg. C3
OKLAHOMA CITY, OK
(405) 692-7748
CIMSURVEY.COM

PAWNEE County, Oklahoma

670'FNL - 717'FWL Section 4 Township 20N Range 5E I.M.



Scale: 1" = 1000'

Date Staked: April 15, 2024

GPS Observation: Latitude 36°14'40.60" N
Longitude 96°46'53.97" W
Latitude 36.244611 N
Longitude 96.781659 W

State Plane NAD83 Y: 455316N
Oklahoma North Zone: X: 2327755E

Operator: Freedom Operating Elevation: 1048'

Lease Name: Arkansas Well No.: #1-4H

Topography & Vegetation: Existing Pad

Alternate Location Stakes Set: No Good Drill Site? Yes

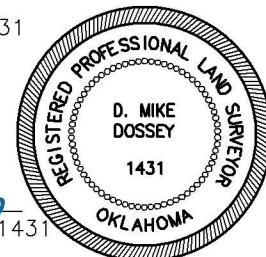
Best Accessibility to Location: From the North Line

Distance & Direction
from Hwy Jct or Town: From the junction of HWY 412 & HWY 18; Thence North 1.5 miles to the NW Quarter Corner of Section 4.

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



JOB NO.:	241487				
DATE:	04/30/24				
DRAWN BY:	B.M.J.	NO.	REVISION	DATE	BY

D. MIKE DOSSEY R.P.L.S. # 1431
Date Signed: 04/30/2024

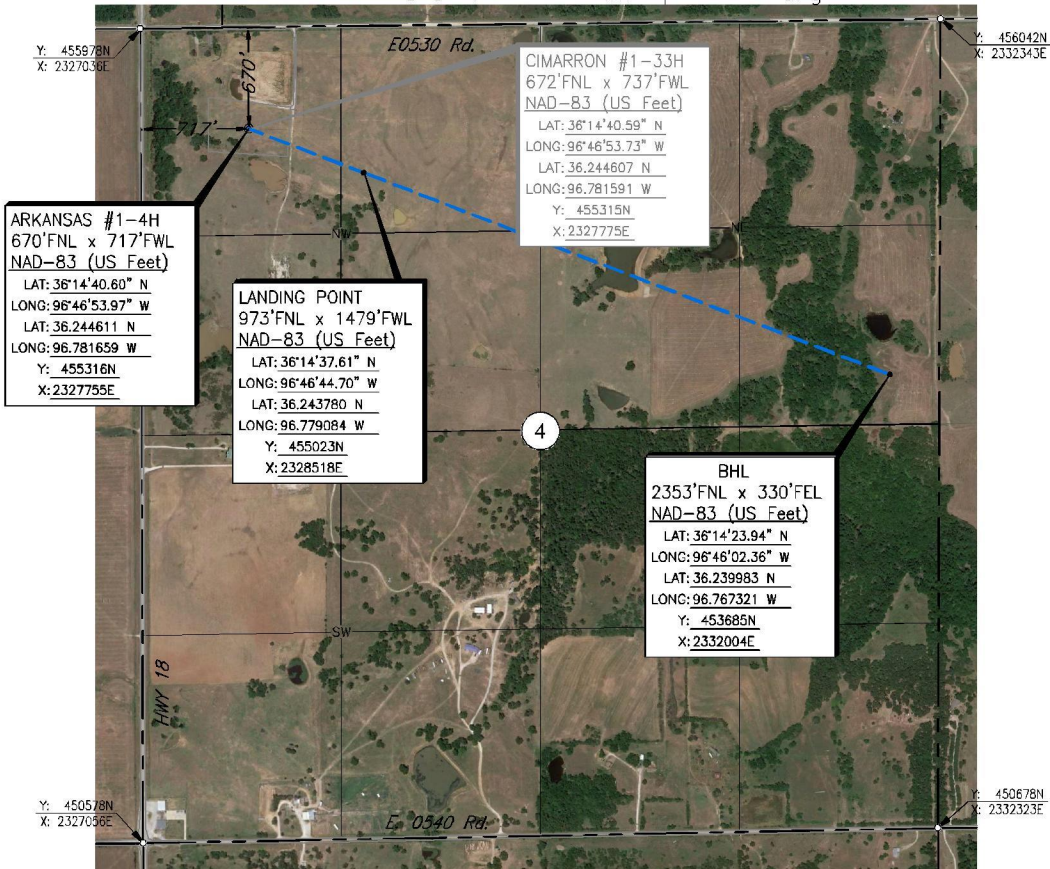


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PAWNEE County, Oklahoma

670'FNL - 717'FWL Section 4 Township 20N Range 5E I.M.



ARKANSAS #1-4H
670'FNL x 717'FWL
NAD-83 (US Feet)
LAT: 36°14'40.60" N
LONG: 96°46'53.97" W
LAT: 36.244611 N
LONG: 96.781659 W
Y: 455316N
X: 2327755E

LANDING POINT
973'FNL x 1479'FWL
NAD-83 (US Feet)
LAT: 36°14'37.61" N
LONG: 96°46'44.70" W
LAT: 36.243780 N
LONG: 96.779084 W
Y: 455023N
X: 2328518E

CIMARRON #1-33H
672'FNL x 737'FWL
NAD-83 (US Feet)
LAT: 36°14'40.59" N
LONG: 96°46'53.73" W
LAT: 36.244607 N
LONG: 96.781591 W
Y: 455315N
X: 2327775E

BHL
2353'FNL x 330'FEL
NAD-83 (US Feet)
LAT: 36°14'23.94" N
LONG: 96°46'02.36" W
LAT: 36.239983 N
LONG: 96.767321 W
Y: 453685N
X: 2332004E

Scale: 1" = 1000'

Date Staked: April 15, 2024

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Oklahoma North Zone: X: 2327755E

Operator: Freedom Operating Elevation: 1048'

Lease Name: Arkansas Well No.: #1-4H

Topography & Vegetation: Existing Pad

Alternate Location Stakes Set: No Good Drill Site? Yes

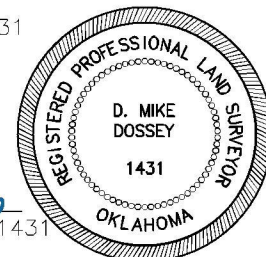
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DRAWN BY:	B.M.J.	NO.	REVISION	DATE	BY

D. MIKE DOSSEY R.P.L.S. # 1431
Date Signed: 04/30/2024

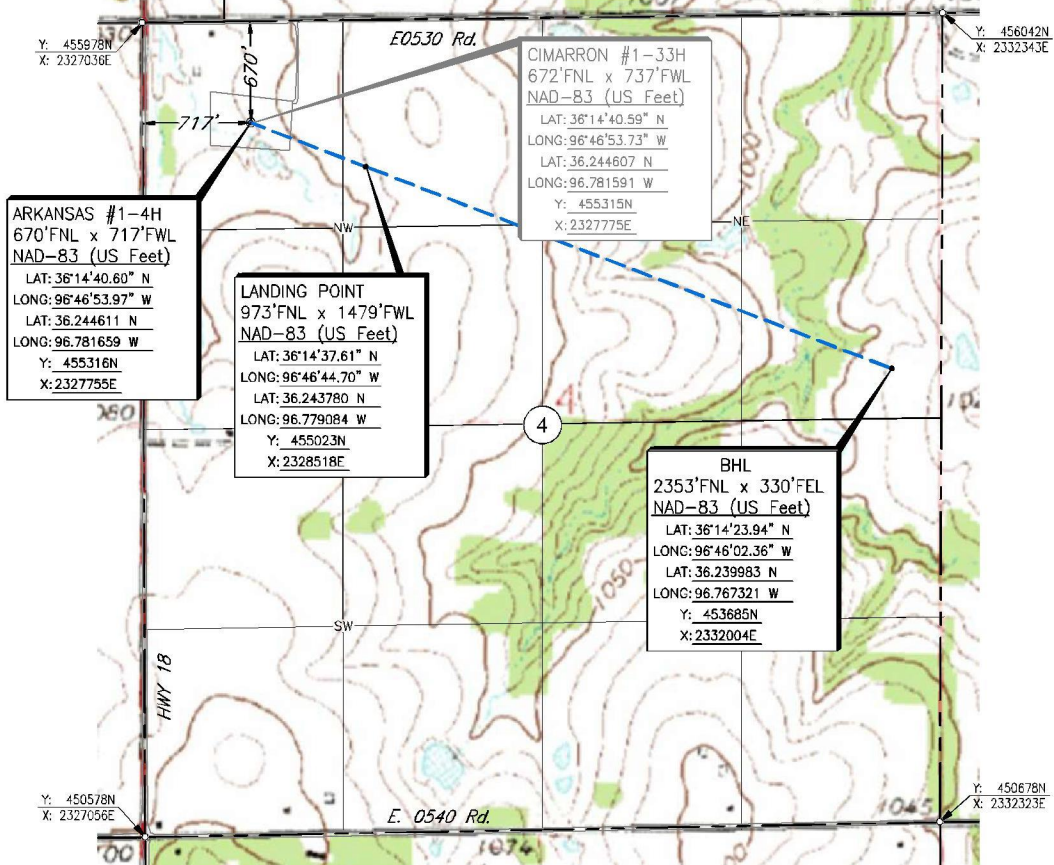


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PAWNEE County, Oklahoma

670'FNL - 717'FWL Section 4 Township 20N Range 5E I.M.



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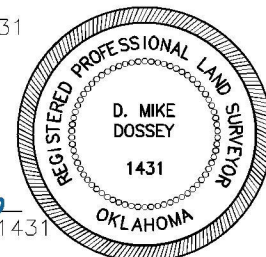
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D. MIKE DOSSEY R.P.L.S. # 1431
Date Signed: 04/30/2024

T 20 N - R 5 E



Freedom Operating
 Arkansas #1-4H
 670'FNL x 717'FWL
 ELEV: 1048'
 NAD 83 Oklahoma North Zone
 Y: 455316N
 X:2327755E

Freedom Operating
 Cimarron #1-33H
 672'FNL x 737'FWL
 ELEV: 1048'
 NAD 83 Oklahoma North Zone
 Y: 455315N
 X:2327775E

PROPOSED PAD AREA IN THE NW/4 OF SECTION 4, T20N - R5E PAWNEE COUNTY, OKLAHOMA

NOTES:

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

				FREEDOM OPERATING	SCALE: 1"=150'
					DATE: 04/30/24
NO.	REVISION	DATE	BY		JOB NO.: 241487
SURVEYED BY: D.D.					DWG. NO.: 2414.87_PAD
DRAWN BY: B.M.J.				 CIMARRON. SURVEYING & MAPPING CO. <small>C.A. No. 1780 Expires June 30, 2024</small>	AFF. NO:
APPROVED BY: D.M.D.					SHEET 1 OF 1
				1530 SW 89th STREET, Bldg. C3 OKLAHOMA CITY, OK (405) 697-7348 WWW.CIMSURVEY.COM	