API NUMBER: 109 22474

Oil & Gas

Horizontal Hole

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

Approval Date: 08/28/2019
Expiration Date: 02/28/2021

PERMIT TO DRILL

WELL LOCATION: Sec: Twp: 14N Rge: 4W County: OKLAHOMA 20 FEET FROM QUARTER: SPOT LOCATION: FROM NORTH FROM WEST NW NE ll NE Inw SECTION LINES: 187 2237

Lease Name: ARROWTIP 1404 20-08 Well No: 5BH Well will be 187 feet from nearest unit or lease boundary.

Operator REVOLUTION RESOURCES LLC Telephone: 4055345232 OTC/OCC Number: 24162 0

REVOLUTION RESOURCES LLC 14301 CALIBER DR STE 110

OKLAHOMA CITY, OK 73134-1016

HERITAGE FEEDERS LP 14201 WIRELESS WAY FL 3

OKLAHOMA CITY OK 73134

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

Name Depth Name Depth HUNTON 1 6850 6 2 7 3 8 4 9 10 20212 Spacing Orders: Location Exception Orders: Increased Density Orders:

Pending CD Numbers: Special Orders:

Total Depth: 14765 Ground Elevation: 1136 Surface Casing: 700 Depth to base of Treatable Water-Bearing FM: 650

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

PIT 1 INFORMATION Approved Method for disposal of Drilling Fluids:

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED
Chlorides Max: 5000 Average: 3000

Within 1 mile of municipal water well? N
Wellhead Protection Area? N

Pit is not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: SALT PLAIN

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-36927

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

#### **HORIZONTAL HOLE 1**

Sec 08 Twp 14N Rge 4W County OKLAHOMA

Spot Location of End Point: SE NE NW SW
Feet From: SOUTH 1/4 Section Line: 2000
Feet From: WEST 1/4 Section Line: 1200

Depth of Deviation: 6307 Radius of Turn: 573 Direction: 355 Total Length: 7558

Measured Total Depth: 14765

True Vertical Depth: 6880

End Point Location from Lease,
Unit, or Property Line: 1200

Notes:

Category Description

HYDRAULIC FRACTURING 8/27/2019 - GC3 - OCC 165:10-3-10 REQUIRES:

1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE;

2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE

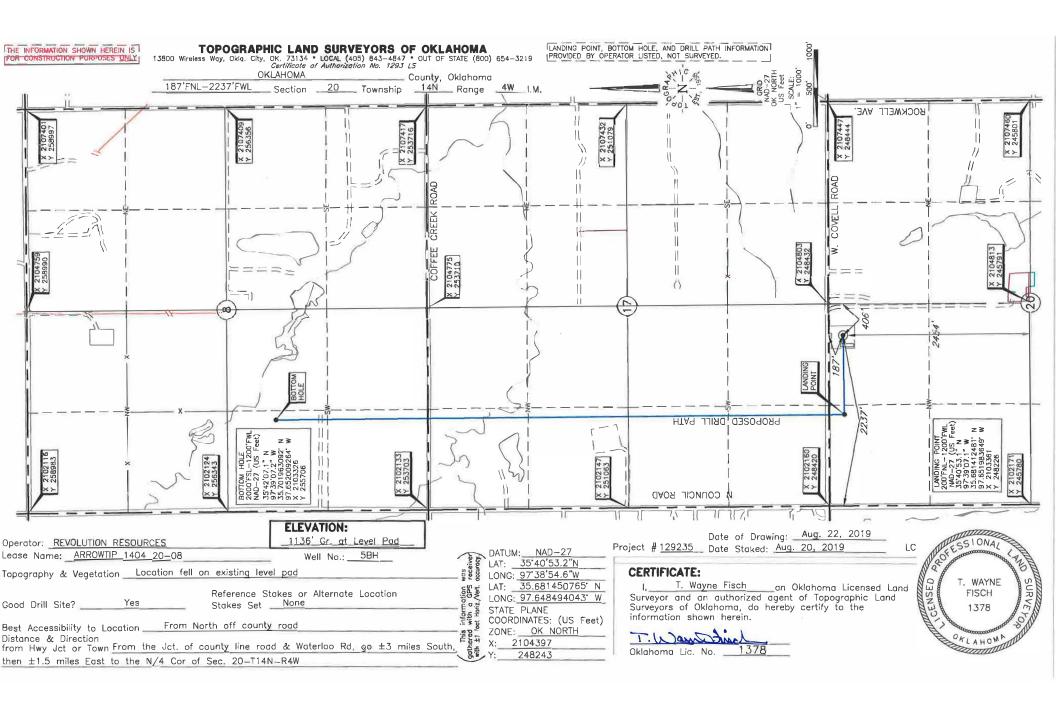
"FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK:

OCCEWEB.COM/OG/OGFORMS.HTML; AND,

3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: FRACFOCUS.ORG

SPACING - 20212 8/28/2019 - GC2 - (UNIT) 20, 17, 8-14N-4W

EST WEST EDMOND HUNTON LIME UNIT FOR THE HNTN



THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

13800 Wireless Way, Okla. City, Ok. 73134 \* LOCAL (405) 843-4847 \* OUT OF STATE (800) 654-3219

Certificate of Authorization No. 1293 LS

LANDING POINT, BOTTOM HOLE, AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

**OKLAHOMA** County, Oklahoma 187'FNL-2237'FWL Township 14N Range 4W I.M Section **ELEVATION:** 

Operator: REVOLUTION RESOURCES

Good Drill Site? \_

Lease Name: ARROWTIP 1404 20-08

1136' Gr. at Level Pad Well No.: 58H

Topography & Vegetation Location fell on existing level pad

Reference Stakes or Alternate Location

Stakes Set None

From North off county road Best Accessibility to Location \_\_

Distance & Direction from Hwy Jct or Town From the Jct. of county line road & Waterloo Rd, go ±3 miles South,

then ±1.5 miles East to the N/4 Cor of Sec. 20-T14N-R4W

DATUM: NAD-27 LAT: 35'40'53.2"N LONG: 97'38'54.6"W LAT: 35.681450765' N LONG: 97.648494043° W STATE PLANE COORDINATES: (US Feet) ZONE: OK NORTH X: 2104397

248243

Oklahoma Lic. No.

Date of Drawing: Aug. 22, 2019 Date Stoked: Aug. 20, 2019

## **CERTIFICATE:**

Project # 129235

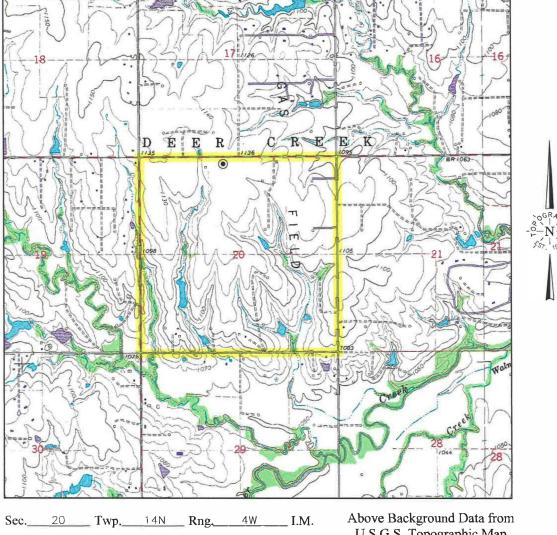
1, T. Wayne Fisch an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein.



# TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

Surveying and Mapping for the Energy Industry
13800 Wireless Way, Oklahoma City, OK 73134 www.byrgraphic.com
Telephone Numbers: Local (405) 843-4847 Toll Free (800) 654-3219

## LOCATION & ELEVATION VERIFICATION MAP



State\_ County\_ OKLAHOMA Operator\_ REVOLUTION RESOURCES Description 187'FNL-2237'FWL Lease\_ ARROWTIP 1404 20-08 5BH Elevation 1136' Gr. at Level Pad

U.S.G.S. Topographic Map Scale: 1"=2000'

Contour Interval \_\_\_\_

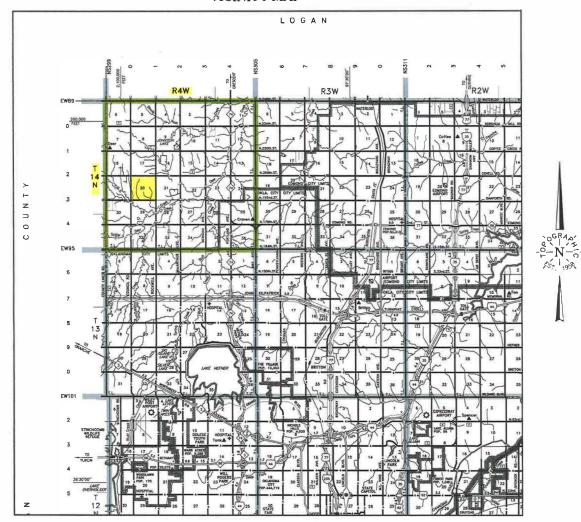
When elevation is shown hereon it is the ground elevation of the location stake. Review this plat and inform us immediately of any possible discrepancy.



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## VICINITY MAP



Scale: 1" = 3 Miles

Sec	20	Twp	14N	Rng,	4W	I.M
County_	OKLAHOMA		State	OK	_	

REVOLUTION RESOURCES

Operator\_\_\_



