

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

API NUMBER: 109 22461

Approval Date: 02/14/2019

Expiration Date: 08/14/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 16 Twp: 14N Rge: 4W

County: OKLAHOMA

SPOT LOCATION: ☐ SW ☐ NW ☐ NW ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 2296 277

Lease Name: STATE 1404 16-29

Well No: 10BH

Well will be 277 feet from nearest unit or lease boundary.

Operator Name: REVOLUTION RESOURCES LLC

Telephone: 4055345232

OTC/OCC Number: 24162 0

REVOLUTION RESOURCES LLC
14301 CALIBER DR STE 110
OKLAHOMA CITY, OK 73134-1016

COMMISSIONERS OF THE LAND OFFICE
204 N. ROBINSON AVE., SUITE 900
OKLAHOMA CITY OK 73102

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

Name	Depth	Name	Depth
1 HUNTON	6723	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 20212

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 16363

Ground Elevation: 1106

Surface Casing: 780

Depth to base of Treatable Water-Bearing FM: 730

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: 2000

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 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 PLAINS

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 19-36241

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

This permit does not address the right of entry or settlement of surface damages.

The duration of this permit is SIX 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

Sec 29 Twp 14N Rge 4W County OKLAHOMA

Spot Location of End Point: NW NE NE SE

Feet From: SOUTH 1/4 Section Line: 2480

Feet From: EAST 1/4 Section Line: 400

Depth of Deviation: 5543

Radius of Turn: 900

Direction: 183

Total Length: 9406

Measured Total Depth: 16363

True Vertical Depth: 6753

End Point Location from Lease,

Unit, or Property Line: 400

Notes:

Category

Description

HYDRAULIC FRACTURING

2/12/2019 - G71 - 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

2/14/2019 - GB1 - (UNIT) 17, 20, & 29-14N-4W
EST WEST EDMOND HUNTON LIME UNIT FOR THE HNTN

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

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

OKLAHOMA Certificate of Authorization No. 1293 LS

County, Oklahoma

Section 16 Township 14N Range 4W I.M.

X 2110066
Y 253745

X 2110077
Y 251106

X 2110089
Y 248461

X 2107417
Y 253716

X 2107447
Y 248444

X 2107461
Y 245801

X 2107473
Y 243159

X 2107489
Y 240523

X 2104775
Y 253710

X 2107432
Y 251079

X 2104803
Y 248432

X 2104813
Y 245791

X 2104824
Y 243142

PROPOSED
LANDING POINT
2250'FSL-400'FEL
35°41'17.3" N
97°38'22.5" W
35.688150668" N
97.639585034" W
X 2107034
Y 250692

PROPOSED
BOTTOM HOLE
2800'FNL-400'FEL
35°39'35.1" N
97°38'22.3" W
35.659756385" N
97.639524038" W
X 2107090
Y 240356

EXISTING WELL

WEST COVELL ROAD

ENUNAV TELMCKOCK NORTH

PROPOSED DRILL PATH

[Landing Point, Bottom Hole and Drill Path information]
[provided by operator listed, NOT Surveyed.]

Operator: REVOLUTION RESOURCES, LLC

Lease Name: STATE 1404

Well No.: 16-29 10BH

Topography & Vegetation Location fell on existing pad, ±69' Northeast of existing well.

Good Drill Site? Yes

Reference Stakes or Alternate Location
Stakes Set None

Best Accessibility to Location From West off Rockwell Avenue.

Distance & Direction The junction of North Rockwell Avenue and West Covell Road is

the Southwest Corner of Section 16, T14N-R4W.

ELEVATION:
1106 Gr. at Level Pad

THE INFORMATION SHOWN HEREIN IS
FOR CONSTRUCTION PURPOSES ONLY

DATUM: NAD-27

LAT: 35°41'17.8"N

LONG: 97°38'14.3"W

LAT: 35.688280632°N

LONG: 97.637304777°W

STATE PLANE

COORDINATES: (US Feet)

ZONE: OK NORTH

X: 2107711

Y: 250742

This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy.

Date of Drawing: Feb. 8, 2019
Project # 123745 Date Staked: Feb. 6, 2019 KH

CERTIFICATE:

I, THOMAS L. HOWELL, an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein.

Thomas L. Howell
Oklahoma Lic. No. 1433



GRID
NAD-27
OK NORTH
US FEET
Scale:
1" = 1000'



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OKLAHOMA Certificate of Authorization No. 1293 LS

County, Oklahoma

2296'FSL - 277'FWL Section 16 Township 14N Range 4W I.M.



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provided by operator listed, NOT Surveyed.]

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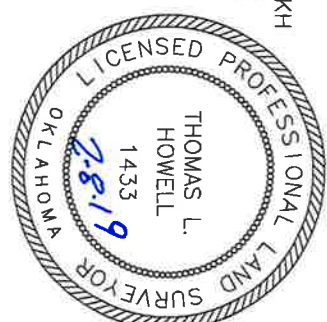
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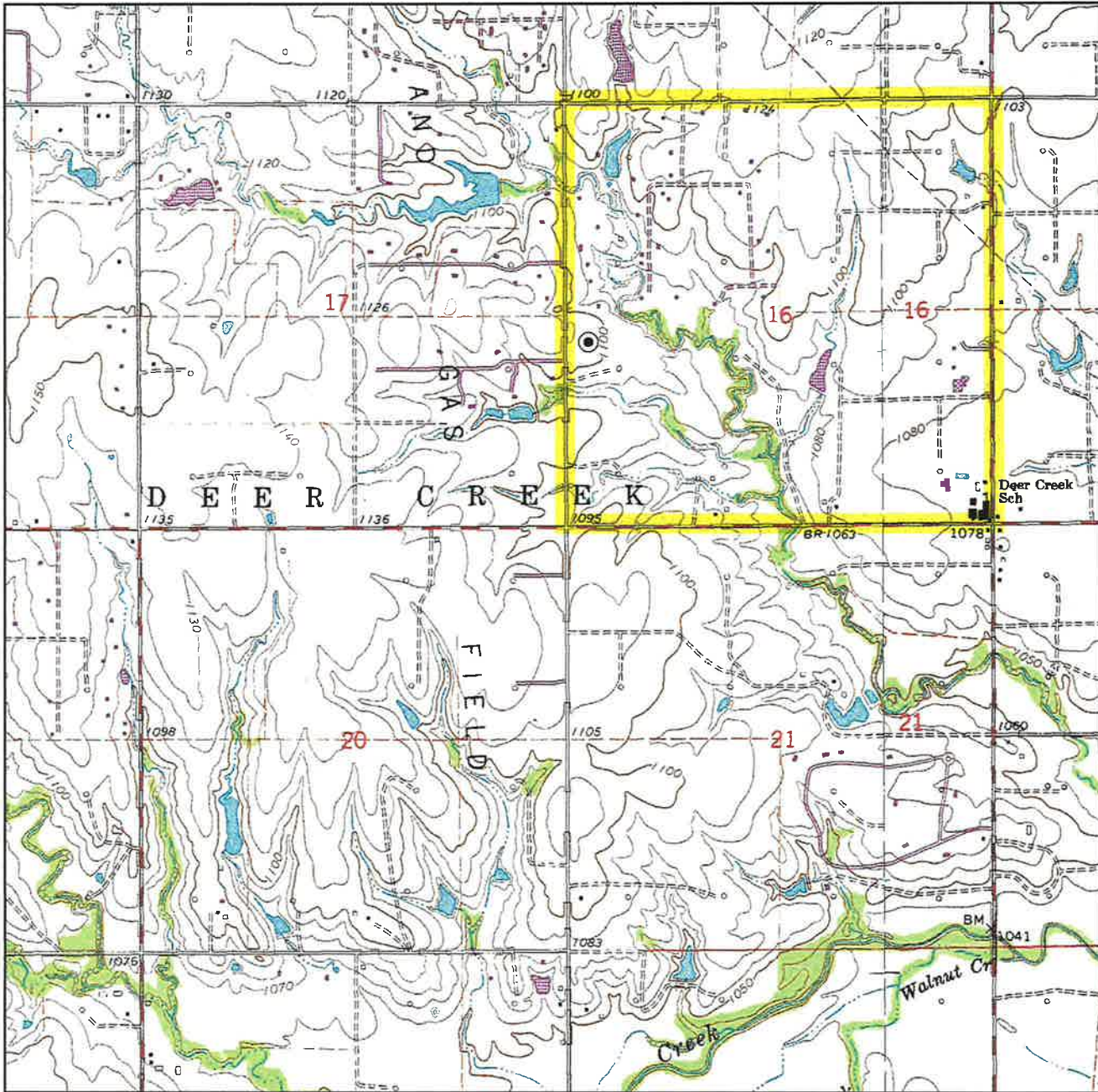
TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

Surveying and Mapping for the Energy Industry

13800 Wireless Way Oklahoma City, OK 73134 www.topographic.com

Telephone Numbers: Local (405) 843-4847 Toll Free (800) 654-3219

LOCATION & ELEVATION VERIFICATION MAP



Sec. 16 Twp. 14N Rng. 4W I.M.

County OKLAHOMA State OK

Operator REVOLUTION RESOURCES, LLC

Description 2296'FSL-277'FWL

Lease STATE 1404 16-29 10BH

Elevation 1106' Gr. at Level Pad

Above Background Data from
U.S.G.S. Topographic Map
Scale: 1"=2000'

Contour Interval 10'

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.



LAND SURVEYORS OF OKLAHOMA

Feb. 6, 2019

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

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

VICINITY MAP



Scale: 1" = 3 Miles

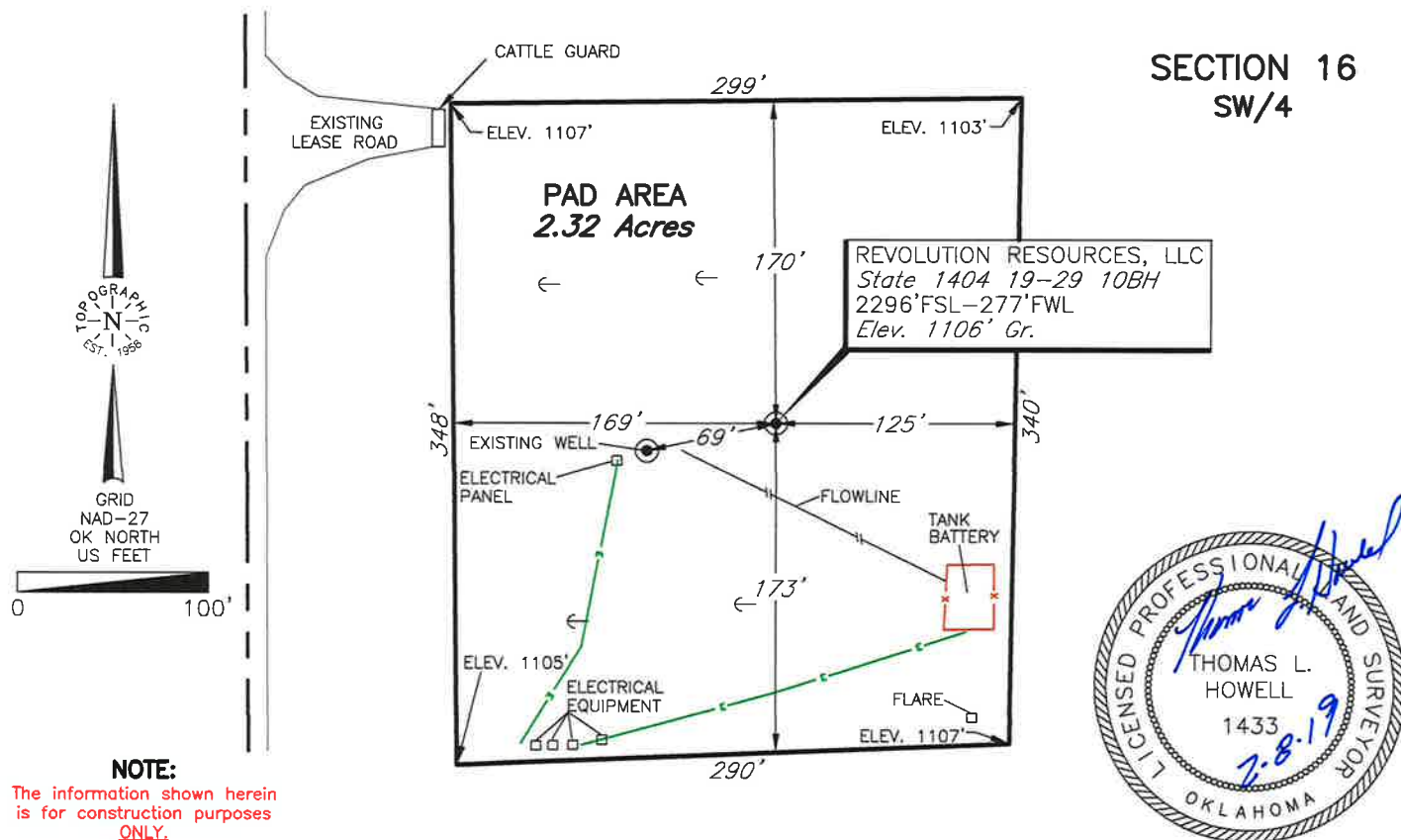
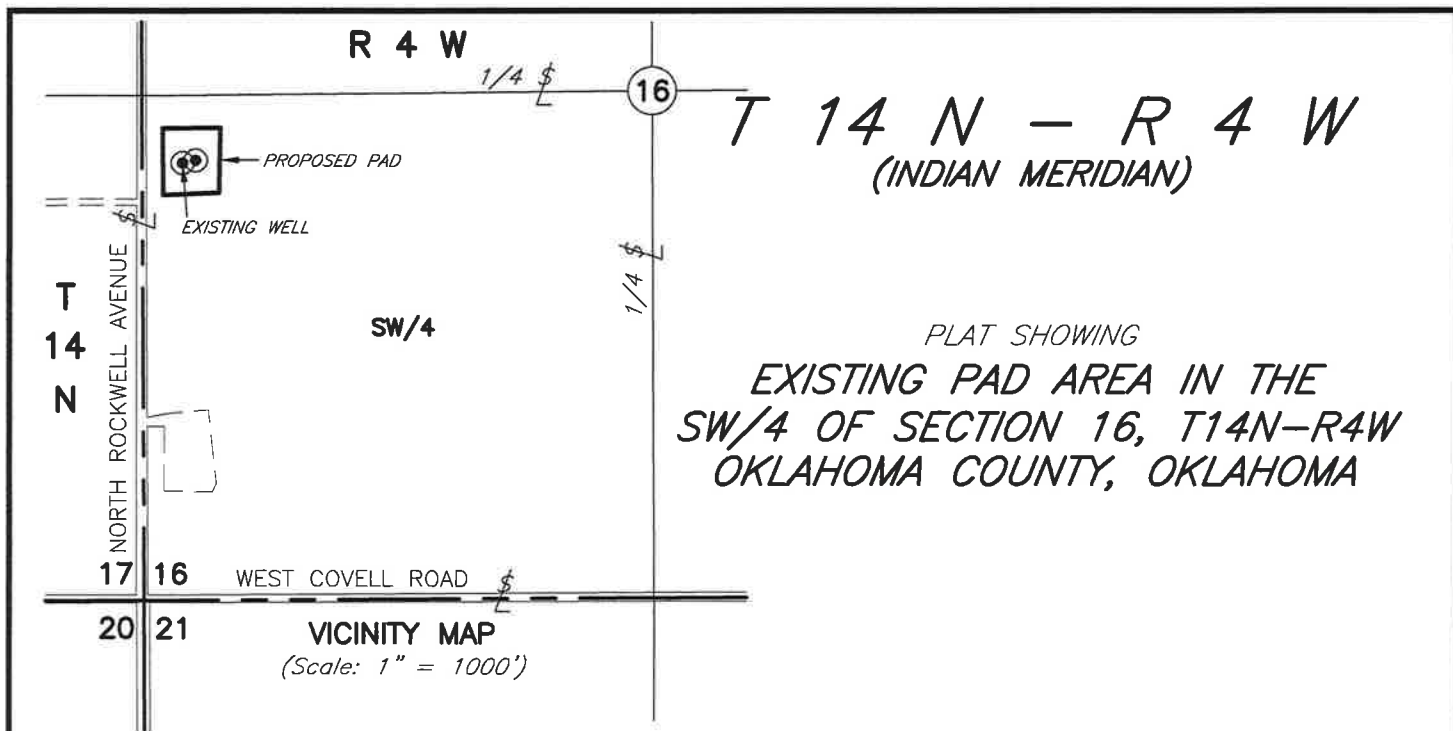
Sec. 16 Twp. 14N Rng. 4W I.M.

County OKLAHOMA State OK

Operator REVOLUTION RESOURCES, LLC.



LAND SURVEYORS OF OKLAHOMA



This plat was prepared exclusively for REVOLUTION RESOURCES, LLC and may not be relied upon by any other entity without the written consent of Topographic Land Surveyors of Oklahoma.				SCALE: 1" = 100'
NO.	REVISION	DATE	BY	DATE: 2-8-19
SURV. BY:	JW	2-6-19		PROJECT NO.: 123745
DRAWN BY:	KH			FILE NAME: L2006A.DWG
APPROVED BY:	TH			DRAWING NO.: 118067-L2-006-A
SURVEYING AND MAPPING BY TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA 13800 Wireless Way, Okla. City, OK. 73134 (405) 843-4847 Certificate of Authorization No. 1293 LS				SHEET 1 OF 1