

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

API NUMBER: 039 22567

Approval Date: 02/06/2019

Expiration Date: 08/06/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 31 Twp: 15N Rge: 14W County: CUSTER

SPOT LOCATION: FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 290 295

Lease Name: TOWN OF THOMAS Well No: 1-25H Well will be 290 feet from nearest unit or lease boundary.

Operator Name: BLAKE PRODUCTION COMPANY INC

Telephone: 4052869800

OTC/OCC Number: 18119 0

BLAKE PRODUCTION COMPANY INC
1601 NW EXPRESSWAY STE 777
OKLAHOMA CITY, OK 73118-1446

SARATOGA FARMS LLC/Ryan McNeill
2001 SARATOGA CROSSING
EDMOND OK 73003

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

Name	Depth	Name	Depth
1 OSWEGO	9840	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 133115

Location Exception Orders: 684995

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 16570

Ground Elevation: 1728

Surface Casing: 610

Depth to base of Treatable Water-Bearing FM: 360

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: 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? Y

Wellhead Protection Area? Y

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

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

PERMIT NO: 19-36072

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 25 Twp 15N Rge 15W County CUSTER

Spot Location of End Point: SE NW NW NW

Feet From: NORTH 1/4 Section Line: 340

Feet From: WEST 1/4 Section Line: 340

Depth of Deviation: 9360

Radius of Turn: 600

Direction: 316

Total Length: 6267

Measured Total Depth: 16570

True Vertical Depth: 9840

End Point Location from Lease,
Unit, or Property Line: 340

Notes:

Category

Description

HYDRAULIC FRACTURING

1/11/2019 - 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

INTERMEDIATE CASING

1/11/2019 - G71 - DUE TO THE KNOWN POTENTIAL RISK OF ENCOUNTERING AN OVER-PRESSURED ZONE IN THE MORROW SERIES IN THIS AREA, THE TECHNICAL MANAGER RECOMMENDS SETTING AN INTERMEDIATE STRING OF CASING IMMEDIATELY ABOVE THE MORROW SERIES

LOCATION EXCEPTION - 684995

2/6/2019 - G58 - (I.O.) 25-15N-15W
X133115 OSWG
COMPL. INT. NCT 330' FEL, NCT 330' FNL, NCT 330' FWL, NCT 330' FSL
NO OP. NAMED
10/16/2018

PUBLIC WATER SUPPLY WELLS

1/11/2019 - G71 - THOMAS - 5 PWS/WPA, NW/4 & SW/4 31-15N-14W

SPACING - 133115

2/6/2019 - G58 - (640) 25-15N-15W
EXT 45628/47491 OSWG

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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.

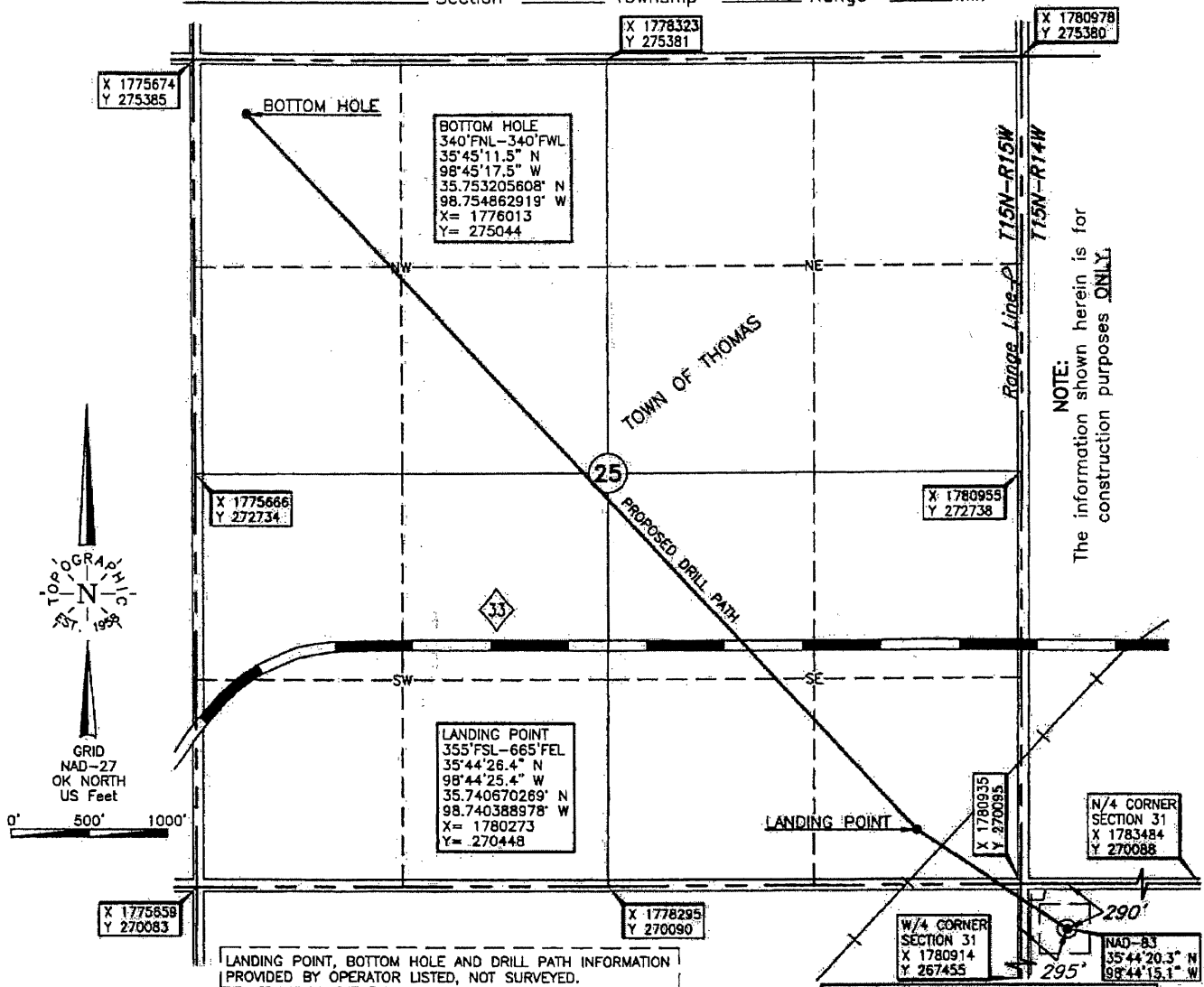
039 22567 TOWN OF THOMAS 1-25H

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA13800 Wireless Way, Okla. City, OK. 73134 (405) 843-4847 • OUT OF STATE (800) 654-3219
Certificate of Authorization No. 1293 LS

CUSTER

County, Oklahoma

290° FNL - 295° FWL Section 31 Township 15N Range 14W I.M.

Operator: BLAKE PRODUCTION CO.Lease Name: TOWN OF THOMASWell No.: 1-25HTopography & Vegetation Lac. fell in power field; ±252' South of overhead Powerline; ±231' East of N-S PipelineGood Drill Site? Yes Reference Stakes or Alternate Location
Stakes Set NoneBest Accessibility to Location From West off county roadDistance & Direction
from Hwy Jct or Town From Junction of State Highway 33 & State Highway 54, NE of Thomas, OK, go ±0.75 miles South on State Highway 54, then ±1.0 mile West on county road to the NW Cor. of Sec. 31-T15N-R14W

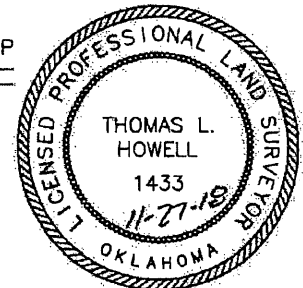
DATUM: NAD-27
 LAT: 35° 44' 20.1" N
 LONG: 98° 44' 13.8" W
 LAT: 35.738919778° N
 LONG: 98.737154681° W
 STATE PLANE
 COORDINATES: (US Feet)
 ZONE: OK NORTH
 X: 1781228
 Y: 269804

Date of Drawing: Nov. 27, 2018
 Invoice # 306827 Date Staked: Nov. 15, 2018 JP

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



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