

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

API NUMBER: 125 23918

Approval Date: 02/22/2017
Expiration Date: 08/22/2017

Straight Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 20 Twp: 8N Rge: 5E County: POTTAWATOMIE
SPOT LOCATION: SE NW SE NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 1850 890

Lease Name: SIMPSON Well No: 6 Well will be 430 feet from nearest unit or lease boundary.
Operator Name: TITAN OIL & GAS CORPORATION Telephone: 8004997801 OTC/OCC Number: 19889 0

TITAN OIL & GAS CORPORATION
3500 S BOULEVARD STE 10B
EDMOND, OK 73013-5417

RUSSELL LAIRSON
625 WESTVIEW ROAD
DUNCAN OK 73533

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

	Name	Depth	Name	Depth	
1	CALVIN	3060	6	VIOLA	4150
2	SENORA	3260	7	1ST WILCOX	4200
3	EARLSBORO	3600	8	MARSHALL	4300
4	MISENER	4050	9	2ND WILCOX	4335
5	HUNTON	4100	10		

Spacing Orders: 191928

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 4400

Ground Elevation: 928

Surface Casing: 1000

Depth to base of Treatable Water-Bearing FM: 950

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Type of Pit System: ON SITE

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: 1B

Liner required for Category: 1B

Pit Location is BED AQUIFER

Pit Location Formation: VANOSS

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

H. SOIL COMPACTED PIT, NOTIFY DISTRICT PRIOR TO TESTING SOIL PIT LINER

Notes:

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.

125 23918 SIMPSON 6

Category	Description
HYDRAULIC FRACTURING	2/22/2017 - G71 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK HTTP://FRACFOCUS.ORG/ WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE
SPACING	2/22/2017 - G75 - MISENER, HUNTON UNSPACED; 40-ACRE LEASE (SE4 NE4)
SPACING - 191928	2/22/2017 - G75 - (40) 20-8N-5E EXT OTHERS EXT 49513 ERLB E2 EXT 168883 CLVN, SNOR, MRSL, WLCX2 EXT 48088 WLCX1 EST VIOL, OTHER
SURFACE LOCATION	2/22/2017 - G75 - 1850' FNL, 890' FEL NE4 20-8N-5E PER STAKING PLAT

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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.

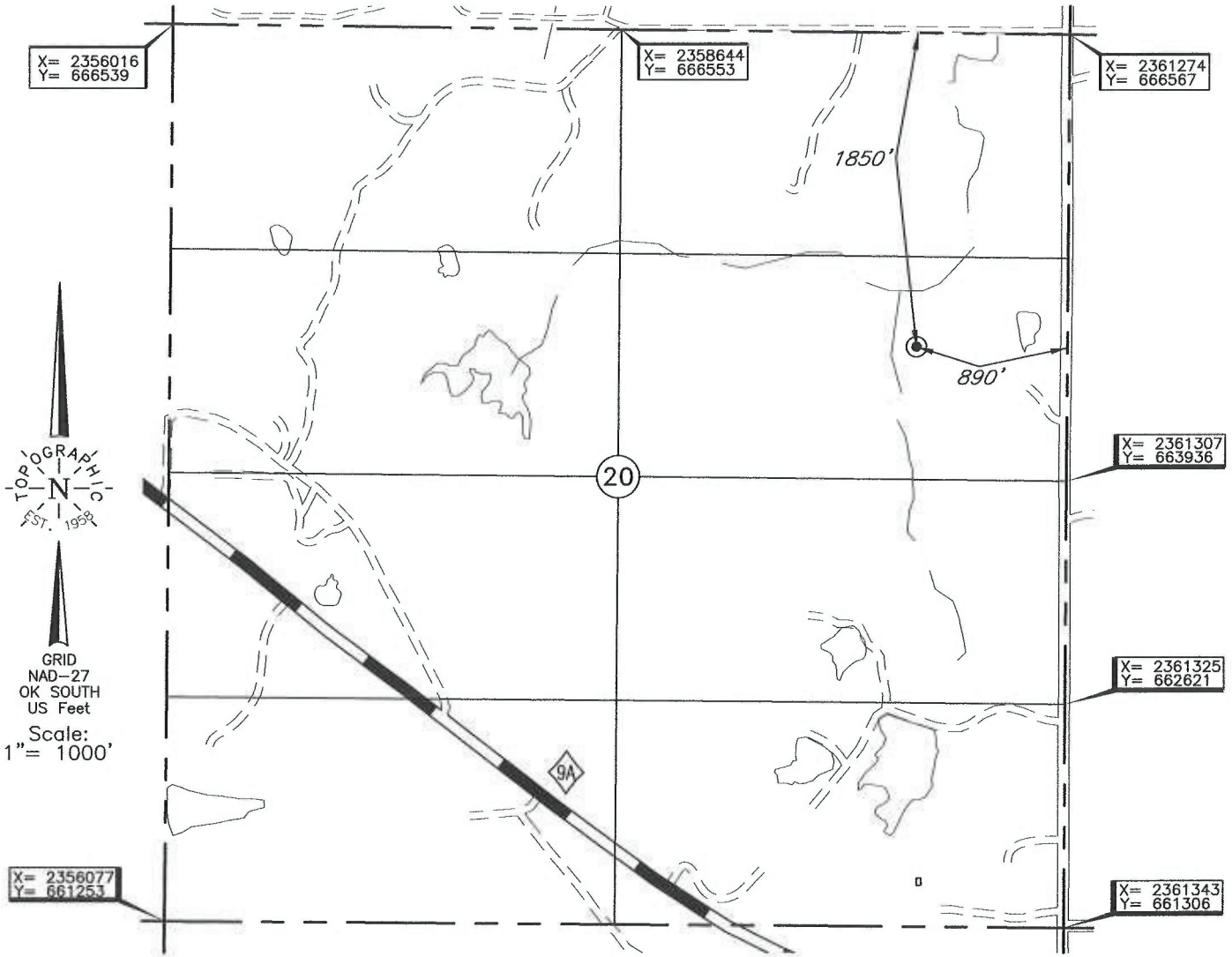
TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
 Certificate of Authorization No. 1293 LS

POTTAWATOMIE

County, Oklahoma

1850'FNL - 890'FEL Section 20 Township 8N Range 5E I.M. API 125-23918



NOTE:

The information shown herein is for construction purposes ONLY.

Distances shown in (parenthesis) are calculated based upon the Quarter Section being 2640 feet, those shown in [brackets] are based on GLO (General Land Office) distances and have NOT been measured on the ground.

Operator: TITAN OIL & GAS CORP.
 Lease Name: SIMPSON Well No.: #6 **ELEVATION:** 928' Gr. at Stake
 Topography & Vegetation Loc. fell in trees, ±140' East of creek
 Good Drill Site? Yes Reference Stakes or Alternate Location Stakes Set None
 Best Accessibility to Location From East off county road
 Distance & Direction From Hwy Jct or Town From Maud, OK, go ±1.0 mi. West, then ±2.0 mi. North to the NE
 Cor. of Sec. 20-T8N-R5E

DATUM: NAD-27
 LAT: 35°09'14.2"N
 LONG: 96°47'39.7"W
 LAT: 35.153950540° N
 LONG: 96.794360102° W
 STATE PLANE
 COORDINATES: (US Feet)
 ZONE: OK SOUTH
 X: 2360407
 Y: 664712

Date of Drawing: Jun. 22, 2016
 Invoice # 261980 Date Staked: Jun. 21, 2016 AC

CERTIFICATE:

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

T. Wayne Fisch
 Oklahoma Lic. No. 1378



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