API NUMBER: 153 23576

Horizontal Hole Oil & Gas

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

Approval Date: 04/21/2016
Expiration Date: 10/21/2016

PERMIT TO DRILL

WELL LOCATION: Sec: 06 Twp: 20N Rge: 22W County: WOODWARD

SPOT LOCATION: SW SE SE SW

FEET FROM QUARTER: FROM **SOUTH** FROM **WEST**

SECTION LINES: **200** **2240**

Lease Name: AMPARAN 6-20-22 **Well No: 1H** **Well will be 200 feet from nearest unit or lease boundary.**

Operator Name: TAPSTONE ENERGY LLC Telephone: 4057021600 OTC/OCC Number: 23467 0

TAPSTONE ENERGY LLC
100 E MAIN ST
OKLAHOMA CITY, OK 73104-2509

ART AMPARAN FAMILY LIMITED PARTNERSHIP
192285 E. COUNTY RD. 55
ARNETT OK 73832

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

	Name	Depth		Name	Depth
1	MISSISSIPPIAN	12700	6		
2			7		
3			8		
4			9		
5			10		

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201601216
201601217

Special Orders:

Total Depth: 17300 Ground Elevation: 2393 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 660

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

PIT 1 INFORMATION

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? 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: OGALLALA

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 16-31213

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 06 Twp 20N Rge 22W County WOODWARD

Spot Location of End Point: N2 N2 NE NW

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 1980

Depth of Deviation: 12145

Radius of Turn: 750

Direction: 359

Total Length: 4250

Measured Total Depth: 17300

True Vertical Depth: 12700

End Point Location from Lease,
Unit, or Property Line: 165

Notes:

Category	Description
DEEP SURFACE CASING	4/20/2016 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING
HYDRAULIC FRACTURING	4/20/2016 - 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.
PENDING CD - 201601216	4/21/2016 - G60 - (640)(HOR) 6-20N-22W VAC 120926 CSTR VAC 214226 MSSMC EST MSSP COMPL. INT. NCT 660' FB REC. 4-19-16 (LEAVITT)
PENDING CD - 201601217	4/21/2016 - G60 - (I.O.) 6-20N-22W X201601216 MSSP COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 1000' FWL NO OP. NAMED REC. 4-19-16 (LEAVITT)

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.

API: 153-23576

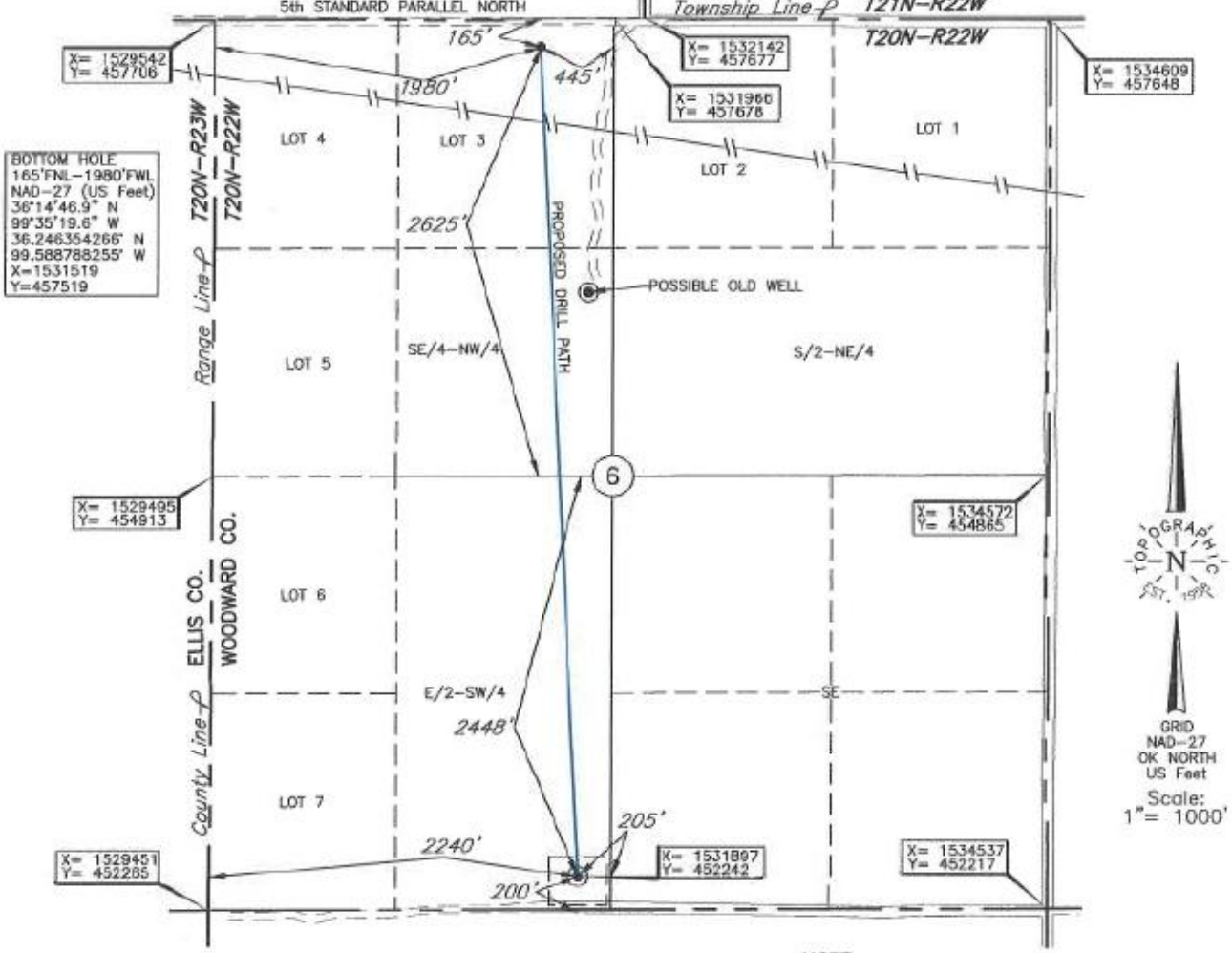
TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 • LOCAL (405) 843-4847 • OUT OF STATE (800) 654-3219

Certificate of Authorization No. 1293 LS

WOODWARD County, Oklahoma

200'FSL – 2240'FWL Section 6 Township 20N Range 22W I.M.



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

NOTE:
The information shown herein is for construction purposes ONLY.

Operator: TAPSTONE ENERGY

Lease Name: AMPARAN 6–20–22 Well No.: 1H

ELEVATION: 2393' Gr. at Stake

Topography & Vegetation Loc. fell in level wheat field

Good Drill Site? Yes

Reference Stakes or Alternate Location Stakes Set None

Best Accessibility to Location From SE off county road

Distance & Direction from Hwy Jct or Town From Sharon, OK, go ±13.0 mi. West, then ±2.0 mi. South, then ±0.5 mi. West, then ±1.0 mi. South, then ±1.0 mi. West to the SW Cor. of Sec. 6–T20N–R22W

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

DATUM: NAD–27
LAT: 36°13'56.7"N
LONG: 99°35'16.5"W
LAT: 36.232423944° N
LONG: 99.587910744° W
STATE PLANE COORDINATES: (US Feet)
ZONE: OK NORTH
X: 1531695
Y: 452444

Revision ☒ A Date of Drawing: Mar. 29, 2016

Invoice # 258235 Date Staked: Mar. 23, 2016 AC

CERTIFICATE:

I, Lee K. Goss an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein

Oklahoma Lic. No. 1778

LICENSED PROFESSIONAL LAND SURVEYOR
LEE K. GOSS
1778
OKLAHOMA
03-29-2016