

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

API NUMBER: 093 25091

Approval Date: 08/23/2017
Expiration Date: 02/23/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 26 Twp: 20N Rge: 13W County: MAJOR
SPOT LOCATION: SE SE SE SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 225 300

Lease Name: WILLIAM 2013 Well No: 1-26H Well will be 225 feet from nearest unit or lease boundary.

Operator Name: SANDRIDGE EXPLORATION & PRODUCTION LLC Telephone: 4054295610 OTC/OCC Number: 22281 0

SANDRIDGE EXPLORATION & PRODUCTION LLC
123 ROBERT S KERR AVE STE 1702
OKLAHOMA CITY, OK 73102-6406

WILLIAM HILL & GLENDA HILL
ROUTE 1, BOX 9A
LONGDALE OK 73755

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

Name	Depth	Name	Depth
1 MISSISSIPPI	8685	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 79339

Location Exception Orders: 666318

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 13413

Ground Elevation: 1645

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 100

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: 10000 Average: 5000

E. Haul to Commercial pit facility: Sec. 33 Twn. 26N Rng. 15W Cnty. 151 Order No: 627651

Is depth to top of ground water greater than 10ft below base of pit? Y

H. SEE MEMO

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

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.

PIT 2 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: OIL BASED

Chlorides Max: 300000 Average: 200000

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 26 Twp 20N Rge 13W County MAJOR

Spot Location of End Point: NW NE NE NE

Feet From: NORTH 1/4 Section Line: 150

Feet From: EAST 1/4 Section Line: 430

Depth of Deviation: 8166

Radius of Turn: 750

Direction: 359

Total Length: 4069

Measured Total Depth: 13413

True Vertical Depth: 8698

End Point Location from Lease,
Unit, or Property Line: 150

Notes:

Category

Description

DEEP SURFACE CASING

8/8/2017 - G58 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

8/8/2017 - G58 - 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

8/8/2017 - G58 - 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 - 666318

8/23/2017 - G75 - (I.O.) 26-20N-13W
X79339 MISS
COMPL. INT. NCT 150' FSL, NCT 150' FNL, NCT 330' FEL
SANDRIDGE EXPLOR. & PROD., L.L.C.
7-26-2017

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.

Category	Description
MEMO	8/8/2017 - G58 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2-OBM TO VENDOR, OBM CUTTINGS PER DISTRICT
SPACING - 79339	8/23/2017 - G75 - (640) 26-20N-13W EST OTHERS EXT OTHERS EXT 67846 MISS, OTHERS

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.

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

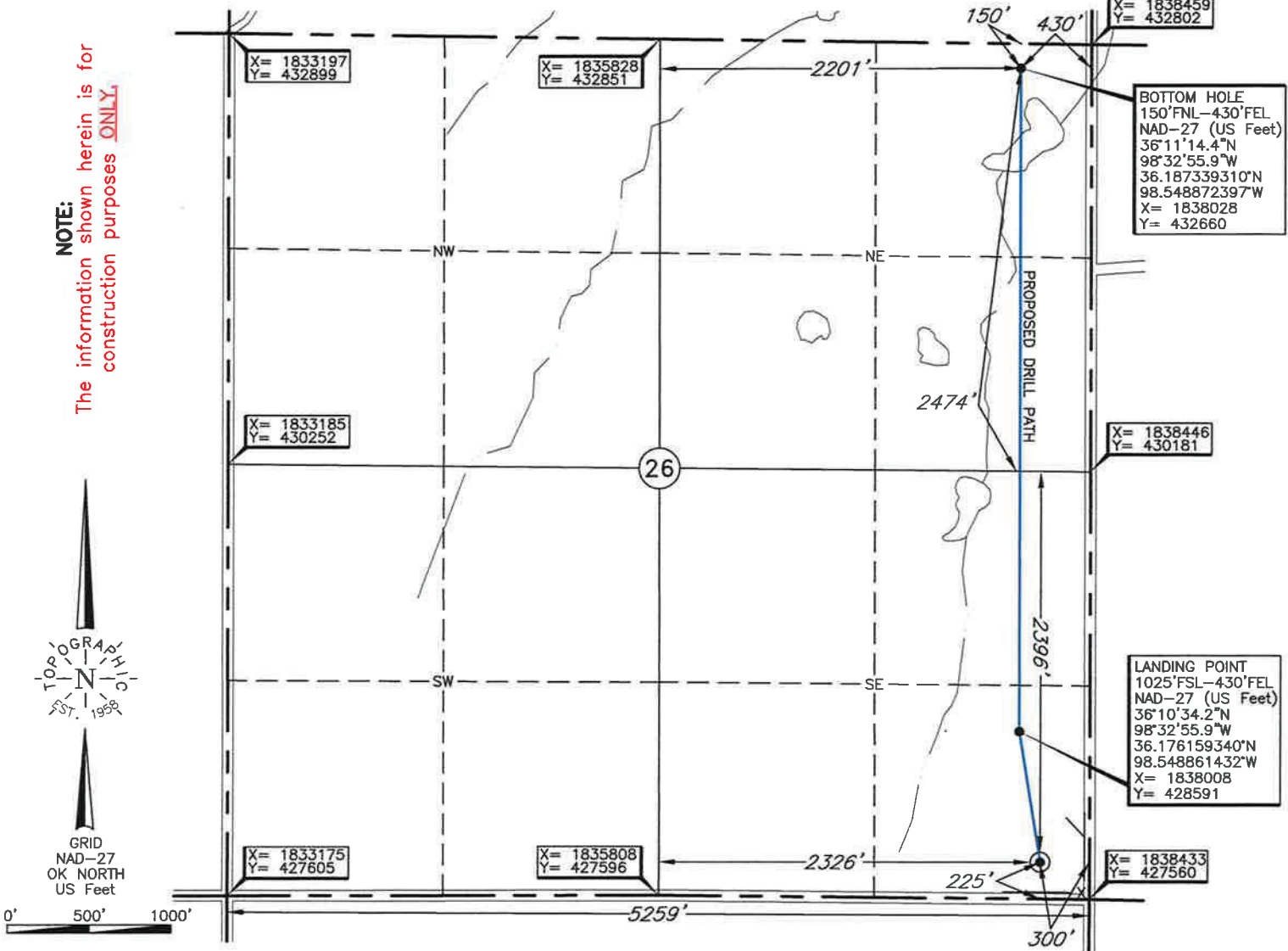
MAJOR

County, Oklahoma

API 093-25091

225'FSL-300'FEL Section 26 Township 20N Range 13W I.M.

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



BOTTOM HOLE
 150'FNL-430'FEL
 NAD-27 (US Feet)
 36°11'14.4"N
 98°32'55.9"W
 36.187339310"N
 98.548872397"W
 X= 1838028
 Y= 432660

LANDING POINT
 1025'FSL-430'FEL
 NAD-27 (US Feet)
 36°10'34.2"N
 98°32'55.9"W
 36.176159340"N
 98.548861432"W
 X= 1838008
 Y= 428591

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

Operator: SANDRIDGE EXPLORATION & PRODUCTION, LLC

Lease Name: WILLIAM 2013

Well No.: 1-26H

ELEVATION:

1645' Gr. at Stake

Topography & Vegetation Loc. fell in grass pasture; ±303' SW of fence/powerline

Good Drill Site? Yes Reference Stakes or Alternate Location None
 Stakes Set None

Best Accessibility to Location From South or East off county road.

Distance & Direction From Cedar Springs, OK, go South ±3 miles, then ±2 miles East to the SE Cor. of Sec. 26-T20N-R13W.

DATUM: NAD-27
 LAT: 36°10'26.3"N
 LONG: 98°32'54.3"W
 LAT: 36.173958618°N
 LONG: 98.548418910°W
 STATE PLANE
 COORDINATES: (US Feet)
 ZONE: OK NORTH
 X: 1838135
 Y: 427789

Date of Drawing: June 21, 2017
 Invoice # 277784 Date Staked: May 1, 2017 TR

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



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