

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

API NUMBER: 151 24547

Approval Date: 10/10/2018

Expiration Date: 04/10/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 11 Twp: 24N Rge: 14W County: WOODS
SPOT LOCATION: FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 225 660

Lease Name: HUBBELL 2414 Well No: 1-11H14H 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

LINDA FAYE HUBBELL & LEWIS R. HUBBELL
P.O. BOX 55
HELENA OK 73741

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	6275	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 652770
651903

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201806776

Special Orders:

Total Depth: 16000 Ground Elevation: 1481 Surface Casing: 360 Depth to base of Treatable Water-Bearing FM: 110

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

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

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-35351
H. SEE MEMO

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 14 Twp 24N Rge 14W County WOODS

Spot Location of End Point: SW SE SE SE

Feet From: SOUTH 1/4 Section Line: 150

Feet From: EAST 1/4 Section Line: 560

Depth of Deviation: 5880

Radius of Turn: 477

Direction: 179

Total Length: 9371

Measured Total Depth: 16000

True Vertical Depth: 6382

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

Notes:

Category

Description

HYDRAULIC FRACTURING

9/12/2018 - 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

MEMO

9/12/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

PENDING CD - 201806776

10/10/2018 - G75 - (I.O.)(IRR UNIT) E2 11 & E2 14-24N-14W
X651903 MSSP **
COMPL. INT. NCT 150' FNL, NCT 150' FSL, NCT 560' FEL
NO OP. NAMED
REC 9-10-2018 (JACKSON)

** S/B X651903/652770 MSSP; TO BE CORRECTED AT HEARING FOR FINAL ORDER LOCATION EXCEPTION PER ATTORNEY FOR OPERATOR

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.

151 24547 HUBBELL 2414 1-11H14H

Category	Description
SPACING - 651903	10/10/2018 - G75 - (640)(IRR UNIT) E2 11 & E2 14-24N-14W EXT (VER) OTHERS EXT (HOR) 644486 MSSP POE TO BHL NLT 660' FB (COEXIST SP. ORDER # 170589 MNNG, MISS 11-24N-14W & ORDER # 132716 MNNG, MSSLM 14-24N-14W)
SPACING - 652770	10/10/2018 - G75 - CONFIRM 651903 AFTER FAILURE TO NOTICE CERTAIN RESPONDENTS

API 151-24547

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

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

Certificate of Authorization No. 1293 LS

WOODS

County, Oklahoma

225' FNL - 660' FEL Section 11 Township 24N Range 14W I.M.

KICKOFF POINT:
100' FNL - 560' FEL
NAD-27 (US Feet)
36°34'43.1"N
98°39'33.2"W
36.578632515"N
98.659221559"W
X = 1806432
Y = 575304

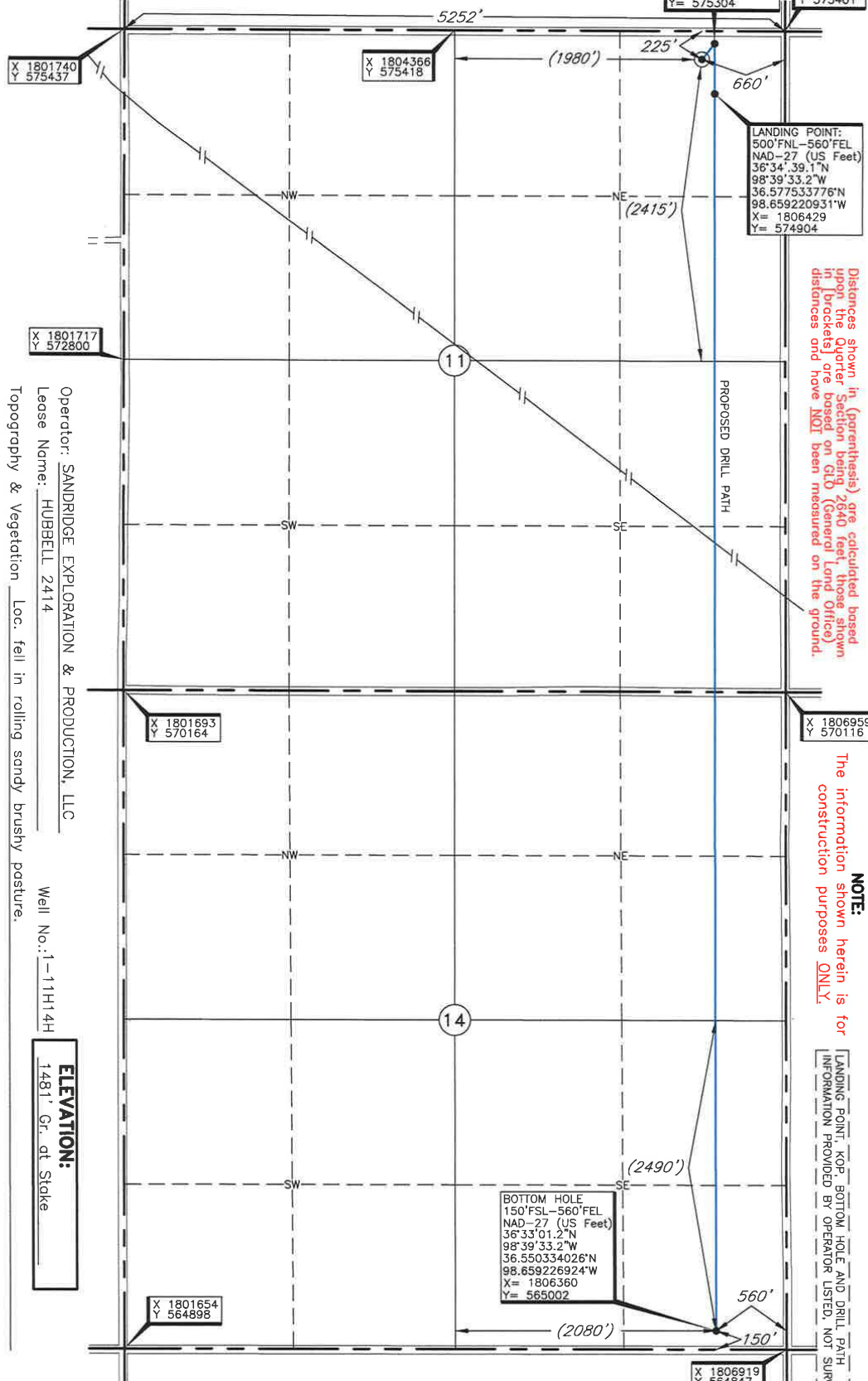
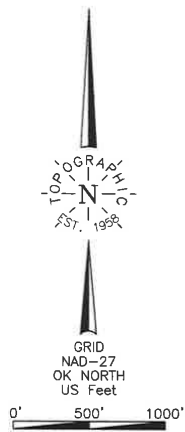
X 1806992
Y 575401

LANDING POINT:
500' FNL - 560' FEL
NAD-27 (US Feet)
36°34'39.1"N
98°39'33.2"W
36.577533776"N
98.659220931"W
X = 1806429
Y = 574904

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

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

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



X 1801740
Y 575437

X 1804366
Y 575418

X 1801717
Y 572800

X 1801693
Y 570164

X 1806959
Y 570116

X 1801654
Y 564898

BOTTOM HOLE
150' FSL - 560' FEL
NAD-27 (US Feet)
36°33'01.2"N
98°39'33.2"W
36.550334026"N
98.659226924"W
X = 1806360
Y = 565002

X 1806919
Y 564847

Operator: SANDRIDGE EXPLORATION & PRODUCTION, LLC
Lease Name: HUBBELL 2414
Topography & Vegetation: Loc. fell in rolling sandy brushy pasture.
Well No.: 1-11H14H
ELEVATION: 1481' Gr. at Stake
Good Drill Site? Yes
Reference Stakes or Alternate Location: Stakes Set None
Best Accessibility to Location: From North off county road.
Distance & Direction: From Jct. of St. Hwy. 45 E-W and US Hwy. 281 N-W, ±12.0 mi. East of Wynoka, OK, go ±1.0 mi. SE on St. Hwy. 45, then ±0.1 mi. South to the NE Cor. of Sec. 11-T24N-R11W

DATUM: NAD-27
LAT: 36°34'41.8"N
LONG: 98°39'34.4"W
LAT: 36.578288765° N
LONG: 98.659561775° W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 1806331
Y: 575180

Invoice # 301223 Date of Drawing: Aug. 29, 2018
Date Staked: Aug. 28, 2018

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

Oklahoma Lic. No. 1433

TAW

