

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

API NUMBER: 093 25204

Approval Date: 02/20/2019

Expiration Date: 08/20/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 03 Twp: 20N Rge: 15W County: MAJOR

SPOT LOCATION: ☐ SW ☐ SE ☐ SE ☐ SE FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 240 440

Lease Name: COACHMAN 2015 Well No: 1-3H Well will be 240 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

RONNIE & TERESA GOULD  
237293 E CR 540  
CHESTER OK 73838

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

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

Spacing Orders: 134401

Location Exception Orders:

Increased Density Orders: 688820

Pending CD Numbers: 201706071

Special Orders:

Total Depth: 13800

Ground Elevation: 1807

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 510

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: 19-36177

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 03 Twp 20N Rge 15W County MAJOR

Spot Location of End Point: NE NW NE NE

Feet From: NORTH 1/4 Section Line: 150

Feet From: EAST 1/4 Section Line: 980

Depth of Deviation: 8273

Radius of Turn: 686

Direction: 357

Total Length: 4450

Measured Total Depth: 13800

True Vertical Depth: 8920

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

### Notes:

#### Category

#### Description

#### DEEP SURFACE CASING

1/25/2019 - 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

1/25/2019 - 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](http://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](http://FRACFOCUS.ORG)

#### INCREASED DENSITY - 688820

2/19/2019 - G56 - 3-20N-15W  
X134401 MSSLM  
1 WELL  
SANDRIDGE EXPLOR. & PROD. LLC  
12/26/2018

#### INTERMEDIATE CASING

1/25/2019 - 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

This permit does not address the right of entry or settlement of surface damages.

093 25204 COACHMAN 2015 1-3H

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	1/25/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 201706071	<p>2/19/2019 - G56 - (I.O.) 3-20N-15W  X134401 MSSLM  COMPL INT (3-20N-15W) NCT 150' FSL, NCT 0' FNL, NCT 1320' FEL***  COMPL INT (34-21N-15W) NCT 0' FSL, NCT 150' FNL, NCT 330' FEL***  NO OP NAMED  REC 1/28/2019 (MILLER)</p> <p>***WILL BE AMENDED TO NCT 150' FNL, NCT 150' FSL, NCT 660' FEL OF 3-20N-15W AT HEARING PER ATTORNEY FOR OPERATOR</p>
SPACING - 134401	<p>2/15/2019 - G56 - (640) 3-20N-15W  EXT OTHERS  EST MSSLM, OTHERS</p>

Certificate of Authorization No. 1293 LS

MAJOR

County, Oklahoma

240'FSL-440'FEL Section 3 Township 20N Range 15W I.M.

Township Line -  $T21N-R15W$

X=	1769427
Y=	454676

5th Standard Parallel North

T20N B15W

X= 1765208  
Y= 454715

X= 1767831  
Y= 454691

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X= 1770453
Y= 454668
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Lot 4

Lot 3

Lot 2

Lot 1

BOTTOM HOLE  
150'FNL-980'FEL  
NAD-27 (US Feet)  
36°14'46.0"N  
98°46'54.4"W  
36.246113725°N  
98.781770563°W  
X= 1769473  
Y= 454526

X= 1765203  
Y= 451678

X=	1770454
Y=	451669

LANDING POINT  
500'FSL-980'FEL  
NAD-27 (US Feet)  
36°13'56.7"N  
98°46'53.9"W  
36.232422164°N  
98.781630368°W  
X= 1769475  
Y= 449542

KICKOFF POINT  
100'FSL-980'FEL  
NAD-27 (US Feet)  
36°13'52.8"N  
98°46'53.8"W  
36.231323368°N  
98.781619120°W  
X= 1769475  
Y= 449142

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X= 1765198
Y= 449050
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X= 1767819  
Y= 449045

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X= 1770455
Y= 449040
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KICKOFF POINT, LANDING POINT, BOTTOM HOLE, AND DRILL PATH  
INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

Operator: SANDRIDGE EXPLORATION & PRODUCTION, LLC

Lease Name: COACHMAN 2015

Well No.: 1-3H

**ELEVATION:**

1807' Gr. at Stake

Topography & Vegetation Loc. fell in rolling sandy pasture.

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

Best Accessibility to Location From South off county road.

Distance & Direction  
from Hwy Jct or Town From Seiling, OK, go North on St. Hwy. 251 ±4.5 miles, then

East at Chester, OK,  $\pm 8$  miles, then 1 mile North to the SE Cor. of Sec. 3-T20N-R15W.

Revision ☒ A

Date of Drawing: Oct. 15, 2018

Invoice # 303148 Date Staked: Sept. 24, 2018

TR

**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

This information was gathered with a GPS receiver with  $\pm 1$  foot Horiz./Vert. accuracy.

DATUM: NAD-27  
LAT: 36°13'54.2"N  
LONG: 98°46'47.3"W  
LAT: 36.231716560°N  
LONG: 98.779792164°W  
STATE PLANE  
COORDINATES: (US Feet)  
ZONE: OK NORTH  
X: 1770015  
Y: 449280

