

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

API NUMBER: 153 23603

Approval Date: 04/04/2017

Expiration Date: 10/04/2017

Horizontal Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 23 Twp: 21N Rge: 17W

County: WOODWARD

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 200 205

Lease Name: DMR TRUST 2117

Well No: 1-23H14H

Well will be 200 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

DALE M RUMSEY REVOCABLE TRUST
PO BOX 6235
PEORIA AZ 85385

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

Name	Depth	Name	Depth
1 MISSISSIPPI SOLID	8830	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 446933
426300

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201701330
201701329

Special Orders:

Total Depth: 18898

Ground Elevation: 1830

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 180

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 14 Twp 21N Rge 17W County WOODWARD

Spot Location of End Point: N2 N2 NW NW

Feet From: NORTH 1/4 Section Line: 200

Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 8302

Radius of Turn: 379

Direction: 2

Total Length: 10000

Measured Total Depth: 18898

True Vertical Depth: 8840

End Point Location from Lease,
Unit, or Property Line: 200

Notes:

Category

Description

DEEP SURFACE CASING

3/31/2017 - 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

3/31/2017 - 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/](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

MEMO

3/31/2017 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201701329

4/4/2017 - G60 - (E.O.) 14 & 23-21N-17W
X426300 MSSSD (23-21N-17W)
X446933 MSSSD (14-21N-17W)
COMPL. INT. (23-21N-17W) NCT 200' FSL, NCT 0' FNL, NCT 330' FWL
COMPL. INT. (14-21N-17W) NCT 0' FSL, NCT 200' FNL, NCT 330' FWL
SANDRIDGE EXPLORATION AND PRODUCTION, LLC.
REC. 4/3/17 (DECKER)

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.

153 23603 DMR TRUST 2117 1-23H14H

Category	Description
PENDING CD - 201701330	4/4/2017 - G60 - (E.O.) 14 & 23-21N-17W EST MULTIUNIT HORIZONTAL WELL X426300 MSSSD (23-21N-17W) X446933 MSSSD (14-21N-17W) 50% 23-21N-17W 50% 14-21N-17W SANDRIDGE EXPLORATION AND PRODUCTION, LLC. REC. 4/3/17 (DECKER)
SPACING - 426300	4/4/2017 - G60 - (640) 23-21N-17W EST OTHERS EXT 156091 MSSSD
SPACING - 446933	4/4/2017 - G60 - (640) 14-21N-17W EXT OTHERS EXT 426300 MSSSD, OTHER

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