

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

API NUMBER: 047 24866

Approval Date: 05/21/2014
Expiration Date: 11/21/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 27 Twp: 24N Rge: 7W County: GARFIELD
SPOT LOCATION: NW NW NE NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 275 1000

Lease Name: DORIS 2407 Well No: 4-27H Well will be 275 feet from nearest unit or lease boundary.
Operator Name: SANDRIDGE EXPLORATION & PRODUCTION LLC Telephone: 4054296169 OTC/OCC Number: 22281 0

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

DORIS JACQULYNE SMITH
4613 W. WILLOW RD. #115
ENID OK 73750

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	5957	6
2			7
3			8
4			9
5			10

Spacing Orders: 613282 Location Exception Orders: 625395 Increased Density Orders: 625180

Pending CD Numbers:

Special Orders:

Total Depth: 11598 Ground Elevation: 1224 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 580

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: 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 BED AQUIFER

Pit Location Formation: SALT PLAINS

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 14-27083

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

E. Haul to Commercial pit facility: Sec. 15 Twn. 24N Rng. 7W Cnty. 47 Order No: 608693

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 27 Twp 24N Rge 7W County GARFIELD

Spot Location of End Point: S2 S2 SW SE

Feet From: SOUTH 1/4 Section Line: 200

Feet From: EAST 1/4 Section Line: 1980

Depth of Deviation: 5524

Radius of Turn: 890

Direction: 185

Total Length: 4676

Measured Total Depth: 11598

True Vertical Depth: 6101

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

Notes:

Category	Description
DEEP SURFACE CASING	5/14/2014 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING
INCREASED DENSITY - 625180	5/21/2014 - G75 - E2 27-24N-7W X613282 MSSP 1 WELL SANDRIDGE EXPLOR. & PROD., L.L.C. 5-9-2014
LOCATION EXCEPTION - 625395	5/21/2014 - G75 - (I.O.) E2 27-24N-7W X613282 MSSP COMPL. INT. NCT 165 FNL, NCT 165 FSL, NCT 560 FWL SANDRIDGE EXPLOR. & PROD., L.L.C. 5-14-2014
SPACING - 613282	5/21/2014 - G75 - (320)(HOR) E2 27-24N-7W SU EXT 595637 MSSP POE TO BHL NLT 660' FB (SUPERSEDE SP. ORDER # 255699 MSSLM SE4 & ORDER # 359121 MRMOG, MSSLM NE4; COEXIST WITH PRODUCING NON-HORIZONTAL SPACING UNITS)

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