

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

API NUMBER: 047 24982

Approval Date: 12/17/2014
Expiration Date: 06/17/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 36 Twp: 24N Rge: 8W County: GARFIELD
SPOT LOCATION: SW SW SW SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 240 2400

Lease Name: OKLAHOMA 2408 Well No: 2-36H Well will be 240 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

COMMISSIONERS OF THE LAND OFFICE
120 N. ROBINSON, STE. 1000 W
OKLAHOMA CITY OK 73102

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	6274	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 626747 Location Exception Orders: 633950 Increased Density Orders: 633949

Pending CD Numbers:

Special Orders:

Total Depth: 11874 Ground Elevation: 1370 **Surface Casing: 290** Depth to base of Treatable Water-Bearing FM: 40

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: CEDAR HILLS

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 14-29150

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

E. Haul to Commercial pit facility: Sec. 15 Twn. 24N Rng. 7W Cnty. 47 Order No: 623842

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 36 Twp 24N Rge 8W County GARFIELD

Spot Location of End Point: N2 N2 NE NW

Feet From: NORTH 1/4 Section Line: 150

Feet From: WEST 1/4 Section Line: 1980

Depth of Deviation: 5724

Radius of Turn: 890

Direction: 350

Total Length: 4752

Measured Total Depth: 11874

True Vertical Depth: 6301

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

Notes:

Category	Description
INCREASED DENSITY - 633949	12/17/2014 - G75 - W2 36-24N-8W X626747 MSSP 1 WELL SANDRIDGE EXPLOR. & PROD., L.L.C. 12-9-2014
LOCATION EXCEPTION - 633950	12/17/2014 - G75 - (I.O.) W2 36-24N-8W X626747 MSSP COMPL. INT. NCT 165 FSL, NCT 165 FNL, NCT 560 FEL SANDRIDGE EXPLOR. & PROD., L.L.C. 12-9-2014
SPACING - 626747	12/17/2014 - G75 - (320)(HOR) W2 36-24N-8W EST MSSP POE TO BHL NLT 660' FB (SUPERSEDE SP. ORDER # 543176/543592 CSTR W2 & MSSLM NW4, E2 SW4; COEXIST SP. ORDER # 543176/543592 MSSLM W2 SW4)