

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

API NUMBER: 047 25008

Approval Date: 02/04/2015  
Expiration Date: 08/04/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 03 Twp: 24N Rge: 8W County: GARFIELD  
SPOT LOCATION:  SW  SW  SE  SW FEET FROM QUARTER: FROM SOUTH FROM WEST  
SECTION LINES: 225 1400

Lease Name: LIMING 2408 Well No: 2-3H Well will be 225 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

HAROLD GREGG LIMING  
408 N. OAKWOOD RD. #7-A  
ENID OK 73703

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	5888	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 625826 Location Exception Orders: 635639 Increased Density Orders: 635638

Pending CD Numbers:

Special Orders:

Total Depth: 11455 Ground Elevation: 1232 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 270

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: 15-29519

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

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

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 03 Twp 24N Rge 8W County GARFIELD

Spot Location of End Point: N2 N2 N2 N2

Feet From: NORTH 1/4 Section Line: 200

Feet From: WEST 1/4 Section Line: 2640

Depth of Deviation: 5347

Radius of Turn: 577

Direction: 20

Total Length: 5202

Measured Total Depth: 11455

True Vertical Depth: 5924

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

Notes:

Category	Description
DEEP SURFACE CASING	1/28/2015 - G71 - APPROVED CONTINGENT ON NOTIFYING OCC FIELD STAFF IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING
INCREASED DENSITY - 635638	2/4/2015 - G76 - 3-24N-8W X625826 MSSP 2 WELLS SANDRIDGE EXPLOR. & PROD., L.L.C. 1/23/2015
LOCATION EXCEPTION - 635639	2/4/2015 - G76 - (I.O.) 3-24N-8W X625826 MSSP COMPL. INT. NCT 150 FSL, NCT 150 FNL, NCT 660 FWL SANDRIDGE EXPLOR. & PROD., L.L.C. 1/23/2015
SPACING - 625826	2/4/2015 - G76 - (640) 3-24N-8W EST (VER) OTHER EST (HOR) OTHER EXT (VER) OTHERS EXT (HOR) 609635 MSSP POE TO BHL NLT 660' FB

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