

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

API NUMBER: 047 24707 A

Approval Date: 07/19/2013
Expiration Date: 01/19/2014

Horizontal Hole Oil & Gas

Amend reason: OCC CORRECTION - CORRECT LOCATION
EXCEPTION FOOTAGES

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 23 Twp: 24N Rge: 7W County: GARFIELD
SPOT LOCATION: FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 200 330

Lease Name: FROST 2407 Well No: 1-23H Well will be 200 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

HELEN L. FROST
3524 W.H. HOLDEN RD.
KRIMLEN OK 73753

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	6214	6
2			7
3			8
4			9
5			10

Spacing Orders: 613458 Location Exception Orders: 613760 Increased Density Orders:

Pending CD Numbers: Special Orders:

Total Depth: 11512 Ground Elevation: 1212 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 570

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: 13-23783
H. CLOSED SYSTEM=STEEL PITS PER OPERATOR OPTION

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 23 Twp 24N Rge 7W County GARFIELD

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: 5128

Radius of Turn: 577

Direction: 4

Total Length: 4642

Measured Total Depth: 11512

True Vertical Depth: 6214

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

Notes:

Category	Description
DEEP SURFACE CASING	7/19/2013 - 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
LOCATION EXCEPTION - 613760	7/19/2013 - G30 - (I.O.) 23-24N-7W X613458 MSSP COMP. INT. NCT 150 FSL, NCT 150 FNL, NCT 560 FWL SANDRIDGE EXPLORATION AND PRODUCTION, L.L.C. 7/12/13
SPACING - 613458	7/19/2013 - G30 - (640 HOR) 23-24N-7W EXT 609184 MSSP POE TO BHL: NLT 660' FB (SUPERSEDE NON-DEVELOPED NON-HORIZONTAL SPACING UNITS; COEXSIT WITH DEVELOPED NON-HORIZONTAL SPACING UNITS)

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