

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

API NUMBER: 047 24811 A

Approval Date: 10/14/2014  
Expiration Date: 04/14/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 23 Twp: 24N Rge: 7W County: GARFIELD  
SPOT LOCATION: ☐ SE ☐ SW ☐ SW ☐ SE FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 210 2120

Lease Name: FROST 2407 Well No: 3-23H Well will be 210 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

HARRISON L. FROST AND HELEN L. FROST  
3524 W.H. HOLDEN RD.  
KREMLIN OK 73753

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	5891	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 613458 Location Exception Orders: 622848 Increased Density Orders: 622934

Pending CD Numbers: Special Orders:

Total Depth: 11520 Ground Elevation: 1196 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 450

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

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

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 14-26462

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR OPTION

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 23 Twp 24N Rge 7W County GARFIELD

Spot Location of End Point: N2 N2 N2 N2

Feet From: NORTH 1/4 Section Line: 150

Feet From: EAST 1/4 Section Line: 2640

Depth of Deviation: 5122

Radius of Turn: 577

Direction: 360

Total Length: 4688

Measured Total Depth: 11520

True Vertical Depth: 5891

End Point Location from Lease,

Unit, or Property Line: 150

## Notes:

### Category

### Description

DEEP SURFACE CASING

10/14/2014 - 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 - 622934

10/14/2014 - G91 - 23-24N-7W  
X 613458 MSSP  
2 WELLS  
SANDRIDGE EXPLOR. & PROD., LLC.  
3-19-2014

LOCATION EXCEPTION - 622848

10/14/2014 - G91 - (I.O.) 23-24N-7W  
X 613458 MSSP  
COMP. INT. NCT 165 FSL, NCT 165 FNL, NCT 1780 FEL  
SANDRIDGE EXPLOR. & PROD., LLC.  
3-18-2014

SPACING - 613458

10/14/2104 - G91 - (640)(HOR) 23-24N-7W  
EXT 609184 MSSP  
POE TO BHL NLT 660' FB  
(SUPERSEDE SP. ORDER #359121 MSSLM)

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

047 24811 FROST 2407 3-23H

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