

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

API NUMBER: 047 24988

Approval Date: 01/07/2015  
Expiration Date: 07/07/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 03 Twp: 24N Rge: 7W County: GARFIELD  
SPOT LOCATION:  SE  SW  SE  SE FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 300 750

Lease Name: HAYES 2407 Well No: 2-10H Well will be 300 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

RAMON A. HAYES & SANDRA HAYES  
2826 SCISSORTAIL LN.  
ENID OK 73703

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	5785	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 612526 Location Exception Orders: 633431 Increased Density Orders: 633430

Pending CD Numbers:

Special Orders:

Total Depth: 12553 Ground Elevation: 1147 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 430

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: KINGMAN

Approved Method for disposal of Drilling Fluids:

- D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 14-29240
- 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 10 Twp 24N Rge 7W County GARFIELD

Spot Location of End Point: S2 S2 SW SE

Feet From: SOUTH 1/4 Section Line: 150

Feet From: EAST 1/4 Section Line: 1980

Depth of Deviation: 5421

Radius of Turn: 890

Direction: 190

Total Length: 5306

Measured Total Depth: 12125

True Vertical Depth: 5998

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

HORIZONTAL HOLE 2

Sec 10 Twp 24N Rge 7W County GARFIELD

Spot Location of End Point: S2 S2 SE SE

Feet From: SOUTH 1/4 Section Line: 150

Feet From: EAST 1/4 Section Line: 660

Depth of Deviation: 5420

Radius of Turn: 890

Direction: 178

Total Length: 5177

Measured Total Depth: 11995

True Vertical Depth: 5997

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

HORIZONTAL HOLE 3

Sec 10 Twp 24N Rge 7W County GARFIELD

Spot Location of End Point: S2 S2 SE SW

Feet From: SOUTH 1/4 Section Line: 150

Feet From: WEST 1/4 Section Line: 1980

Depth of Deviation: 5435

Radius of Turn: 890

Direction: 210

Total Length: 5720

Measured Total Depth: 12553

True Vertical Depth: 6012

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

Notes:

Category

Description

DEEP SURFACE CASING

12/12/2014 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

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.

047 24988 HAYES 2407 2-10H

Category	Description
INCREASED DENSITY - 633430	1/7/2015 - G75 - 10-24N-7W X612526 MSSP 1 WELL SANDRIDGE EXPLOR. & PROD., L.L.C. 11-24-2014
LOCATION EXCEPTION - 633431	1/7/2015 - G75 - (I.O.) 10-24N-7W X612526 MSSP COMPL. INT. (LAT 1) NCT 150 FNL, NCT 150 FSL, NCT 1880 FEL COMPL. INT. (LAT 2) NCT 150 FNL, NCT 150 FSL, NCT 560 FEL COMPL. INT. (LAT 3) NCT 150 FNL, NCT 150 FSL, NCT 1880 FWL SANDRIDGE EXPLOR. & PROD., L.L.C. 11-24-2014
SPACING - 612526	1/7/2015 - G75 - (640)(HOR) 10-24N-7W EST MSSP POE TO BHL NLT 660' FB (SUPERSEDE SP. ORDER # 539035, MSSLM; COEXIST WITH PRODUCING NON-HORIZONTAL SPACING UNITS)

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.