

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

API NUMBER: 047 25016

Approval Date: 03/10/2015

Expiration Date: 09/10/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 03 Twp: 24N Rge: 7W

County: GARFIELD

SPOT LOCATION: ☐ SW ☐ SE ☐ SE ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 300 450

Lease Name: JERRY 2407

Well No: 1-11H

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 SESSORTAIL LANE  
ENID OK 73703

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	5788	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 625911

Location Exception Orders: 635458

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 13775

Ground Elevation: 1145

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 420

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: KINGMAN

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 15-29703

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 11 Twp 24N Rge 7W County GARFIELD

Spot Location of End Point: SE SW SE SE

Feet From: SOUTH 1/4 Section Line: 150

Feet From: EAST 1/4 Section Line: 880

Depth of Deviation: 4973

Radius of Turn: 923

Direction: 135

Total Length: 7352

Measured Total Depth: 13775

True Vertical Depth: 5896

End Point Location from Lease,

Unit, or Property Line: 150

#### HORIZONTAL HOLE 2

Sec 11 Twp 24N Rge 7W County GARFIELD

Spot Location of End Point: NW SE NE SE

Feet From: SOUTH 1/4 Section Line: 1960

Feet From: EAST 1/4 Section Line: 560

Depth of Deviation: 4971

Radius of Turn: 909

Direction: 120

Total Length: 6383

Measured Total Depth: 12782

True Vertical Depth: 5880

End Point Location from Lease,

Unit, or Property Line: 560

#### HORIZONTAL HOLE 3

Sec 11 Twp 24N Rge 7W County GARFIELD

Spot Location of End Point: S2 S2 S2 S2

Feet From: SOUTH 1/4 Section Line: 150

Feet From: EAST 1/4 Section Line: 2640

Depth of Deviation: 4973

Radius of Turn: 918

Direction: 155

Total Length: 6320

Measured Total Depth: 12735

True Vertical Depth: 5891

End Point Location from Lease,

Unit, or Property Line: 150

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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 4

Sec 11 Twp 24N Rge 7W County GARFIELD

Spot Location of End Point: SW SE SW SW

Feet From: SOUTH 1/4 Section Line: 150

Feet From: WEST 1/4 Section Line: 880

Depth of Deviation: 4971

Radius of Turn: 907

Direction: 170

Total Length: 5672

Measured Total Depth: 12068

True Vertical Depth: 5878

End Point Location from Lease,

Unit, or Property Line: 150

## Notes:

### Category

### Description

DEEP SURFACE CASING

3/5/2015 - G64 - 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 - 635458

3/9/2015 - G76 - (I.O.) 11-24N-7W  
X625911 MSSP  
COMPL. INT. (LAT 1) NCT 150 FNL, NCT 150 FSL, NCT 560 FEL, NCT 560 FWL  
COMPL. INT. (LAT 2) NCT 150 FNL, NCT 150 FSL, NCT 560 FEL, NCT 560 FWL  
COMPL. INT. (LAT 3) NCT 150 FNL, NCT 150 FSL, NCT 560 FEL, NCT 560 FWL  
SANDRIDGE EXPLOR. & PROD., L.L.C.  
1/20/2015

SPACING - 625911

3/9/2015 - G76 - (640)(HOR) 11-24N-7W  
VAC OTHERS  
EST (VER) OTHERS  
EXT (VER) OTHERS  
EXT 621852 MSSP, OTHER  
POE TO BHL NLT 660' FB  
(SUPERSEDE NON-DEVELOPED NON-HORIZONTAL SPACING UNITS; COEXIST WITH PRODUCING NON-HORIZONTAL SPACING UNITS)