

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

API NUMBER: 047 25017

Approval Date: 03/10/2015

Expiration Date: 09/10/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 05 Twp: 24N Rge: 7W

County: GARFIELD

SPOT LOCATION: ☐ NW ☐ NW ☐ NE ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 250 1020

Lease Name: BOWEN FEEDLOT 2407

Well No: 3-5H

Well will be 250 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

JL BOWEN, PRESIDENT  
10815 W. KEOWEE RD.  
ENID OK 73703

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	5810	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 625117

Location Exception Orders:

Increased Density Orders: 635644

Pending CD Numbers: 201500054

Special Orders:

Total Depth: 12338

Ground Elevation: 1171

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 210

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: 15-29700

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 05 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: 5638

Radius of Turn: 890

Direction: 200

Total Length: 5302

Measured Total Depth: 12338

True Vertical Depth: 5906

End Point Location from Lease,

Unit, or Property Line: 150

## Notes:

### Category

### Description

DEEP SURFACE CASING

3/6/2015 - 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 - 635644

3/10/2015 - G76 - 5-24N-7W  
X625117 MSSP  
3 WELLS  
SANDRIDGE EXPLOR. & PROD., L.L.C.  
1/23/2015

PENDING CD - 201500054

3/10/2015 - G76 - (I.O.) 5-24N-7W  
X625117 MSSP  
COMPL. INT. NCT 150 FNL, NCT 150 FSL, NCT 880 FWL  
NO OP. NAMED  
REC. 3/3/2015 (P. PORTER)

SPACING - 625117

3/10/2015 - G76 - (640)(HOR) 5-24N-7W  
EST OTHER  
EXT 620168 MSSP  
POE TO BHL NLT 660' FB  
(SUPERSEDE SP. ORDER # 533268 MSSLM)

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047 25017 BOWEN FEEDLOT 2407 3-5H