

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

API NUMBER: 047 24978

Approval Date: 12/16/2014
Expiration Date: 06/16/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 34 Twp: 24N Rge: 8W County: GARFIELD
SPOT LOCATION: SE NW NW NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 383 2226

Lease Name: MEIBERGEN 2408 Well No: 1-27H/22H Well will be 383 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

SANDRIDGE EXPLORATION & PRODUCTION, LLC
123 ROBERT S. KERR AVE.
OKLAHOMA CITY OK 73102

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	6266	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201407317
201407749

Special Orders:

Total Depth: 17686 Ground Elevation: 1374 Surface Casing: 600 Depth to base of Treatable Water-Bearing FM: 350

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: CEDAR HILLS

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 14-29172

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

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 22 Twp 24N Rge 8W County GARFIELD

Spot Location of End Point: N2 N2 NW NE

Feet From: NORTH 1/4 Section Line: 150

Feet From: EAST 1/4 Section Line: 1980

Depth of Deviation: 5723

Radius of Turn: 890

Direction: 2

Total Length: 10565

Measured Total Depth: 17686

True Vertical Depth: 6300

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

Notes:

Category	Description
PENDING CD - 201407317	12/9/2014 - G75 - (E.O.)(640)(HOR)(IRR UNIT) E2 22 & E2 27-24N-8W VAC 103816 CSTR, OTHER VAC 193326 MSSLM, OTHERS EST MSSP, OTHERS POE TO BHL NLT 660' FB SANDRIDGE EXPLOR. & PROD., L.L.C. REC 12-15-2014 (DECKER)
PENDING CD - 201407749	12/9/2014 - G75 - (E.O.)(IRR UNIT) E2 22 & E2 27-24N-8W X201407317 MSSP COMPL. INT. NCT 150 FSL, NCT 150 FNL, NCT 280 FWL SANDRIDGE EXPLOR. & PROD., L.L.C. REC 12-15-2014 (DECKER)

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