

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

API NUMBER: 047 24977 A

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

Horizontal Hole Oil & Gas

Amend reason: CHANGE SURFACE LOCATION

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 30 Twp: 24N Rge: 7W County: GARFIELD  
SPOT LOCATION:  SW  SE  SW  SE FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 175 1700

Lease Name: BOWEN 2407 Well No: 2-30H Well will be 175 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

JOSEPH LYNN BOWEN & SONYA RENA BOWEN  
7629 KEOWEE RD.  
KREMLIN OK 73753

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	6129	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 618213 Location Exception Orders: 633299 Increased Density Orders: 633298

Pending CD Numbers: Special Orders:

Total Depth: 11741 Ground Elevation: 1281 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 100

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: BISON

Approved Method for disposal of Drilling Fluids:

- D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 14-29241
- 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 30 Twp 24N Rge 7W 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: 5616

Radius of Turn: 890

Direction: 358

Total Length: 4727

Measured Total Depth: 11741

True Vertical Depth: 6193

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
INCREASED DENSITY - 633298	12/15/2014 - G75 - 30-24N-7W X618213 MSSP 3 WELLS SANDRIDGE EXPLOR. & PROD., L.L.C. 11-20-2014
LOCATION EXCEPTION - 633299	12/15/2014 - G75 - (I.O.) 30-24N-7W X618213 MSSP COMPL. INT. NCT 150 FSL, NCT 150 FNL, NCT 1780 FEL SANDRIDGE EXPLOR. & PROD., L.L.C. 11-20-2014
SPACING - 618213	12/15/2014 - G75 - (640) 30-24N-7W VAC OTHERS EST (VER) OTHER EXT (VER) OTHERS EXT (HOR) 614579 MSSP, OTHER POE TO BHL NLT 660' FB (SUPERSEDE SP. ORDER # 533440 CSTR SW4; COEXIST SP. ORDER # 533440 MSSLM SW4)

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