

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

API NUMBER: 047 24834 A

Approval Date: 04/10/2014  
Expiration Date: 10/10/2014

Horizontal Hole Oil & Gas

Amend reason: CHANGE SURFACE LOCATION & SURFACE OWNER; ADD DISPOSAL METHOD; UPDATE ORDERS

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 07 Twp: 24N Rge: 6W County: GARFIELD  
SPOT LOCATION:  NE  NE  NW  NW FEET FROM QUARTER: FROM NORTH FROM WEST  
SECTION LINES: 225 1300

Lease Name: HOPKINS 2406 Well No: 1-7H Well will be 225 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

JUDY KIRTON  
1414 SONATA CIRCLE  
ENID OK 73703

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	5768	6
2			7
3			8
4			9
5			10

Spacing Orders: 625754 Location Exception Orders: 626277 Increased Density Orders:

Pending CD Numbers: Special Orders:

Total Depth: 11807 Ground Elevation: 1115 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 380

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: 14-26743

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

E. Haul to Commercial pit facility: Sec. 15 Twn. 24N Rng. 7W Cnty. 47 Order No: 608693

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 07 Twp 24N Rge 6W County GARFIELD

Spot Location of End Point: S2 S2 SW SW

Feet From: SOUTH 1/4 Section Line: 150

Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 5294

Radius of Turn: 890

Direction: 190

Total Length: 5115

Measured Total Depth: 11807

True Vertical Depth: 5871

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

Notes:

Category	Description
DEEP SURFACE CASING	4/4/2014 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING
LOCATION EXCEPTION - 626277	6/11/2014 - G75 - (I.O.) 7-24N-6W X625754 MSSP COMPL. INT. NCT 150 FNL, NCT 150 FSL, NCT 560 FWL SANDRIDGE EXPLOR. & PROD., L.L.C. 6-3-2014
SPACING - 625754	6/11/2014 - G75 - (640) 7-24N-6W VAC OTHERS EST (VER) OTHERS EXT (VER) OTHERS EST (HOR) OTHER EXT (HOR) 621852 MSSP, OTHER POE TO BHL NLT 660' FB (SUPERSEDE SP. ORDER # 153045 MSSLM)

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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.