

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

API NUMBER: 047 24830 A

Approval Date: 04/07/2014
Expiration Date: 10/07/2014

Horizontal Hole Oil & Gas

Amend reason: CHANGE BOTTOM-HOLE LOCATION; UPDATE ORDERS

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 13 Twp: 24N Rge: 7W County: GARFIELD
SPOT LOCATION: SW SE SW SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 200 1850

Lease Name: JAY 2407 Well No: 1-13H Well will be 200 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

MESSENGER FARMS, INC. C/O DENNIS MESSENGER
8506 WEST BLAINE RD.
ENID OK 73703

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	5827	6
2			7
3			8
4			9
5			10

Spacing Orders: 624626

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201401795

Special Orders:

Total Depth: 11480

Ground Elevation: 1157

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 400

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: 14-26774

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 13 Twp 24N Rge 7W County GARFIELD

Spot Location of End Point: N2 N2 NE NE

Feet From: NORTH 1/4 Section Line: 150

Feet From: EAST 1/4 Section Line: 660

Depth of Deviation: 5067

Radius of Turn: 577

Direction: 20

Total Length: 4672

Measured Total Depth: 11480

True Vertical Depth: 5956

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

Notes:

Category	Description
DEEP SURFACE CASING	3/31/2014 - 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
PENDING CD - 201401795	5/1/2014 - G75 - (I.O.) 13-24N-7W X624626 MSSP COMP. INT. NCT 165 FSL, NCT 150 FNL, NCT 660 FEL NO OP. NAMED REC 4-21-2014 (OSBURN)
SPACING - 624626	5/1/2014 - G75 - (640)(HOR) 13-24N-7W EXT 621852 MSSP, OTHER POE TO BHL NLT 660' FB (SUPERSEDE SP. ORDER # 153045 MSSLM; COEXIST WITH DEVELOPED NON-HORIZONTAL SPACING UNITS)

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