

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

API NUMBER: 039 22421

Approval Date: 12/18/2013

Expiration Date: 06/18/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 15 Twp: 15N Rge: 16W

County: CUSTER

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 2440 1320

Lease Name: GREEN

Well No: 1-15H

Well will be 200 feet from nearest unit or lease boundary.

Operator Name: SANGUINE GAS EXPLORATION LLC

Telephone: 9184964774

OTC/OCC Number: 21381 0

SANGUINE GAS EXPLORATION LLC
PO BOX 700720
TULSA, OK 74170-0720

LLOYD R. & BETTY GREEN
PO BOX 1142
KINGFISHER OK 73750

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

	Name	Depth	Name	Depth
1	COTTAGE GROVE	8560	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 618149

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201307521

Special Orders:

Total Depth: 13500

Ground Elevation: 1785

Surface Casing: 900

Depth to base of Treatable Water-Bearing FM: 370

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

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: 20000 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: RUSH SPRINGS

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 13-24829

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR OPTION

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 15 Twp 15N Rge 16W County CUSTER

Spot Location of End Point: S2 S2 S2 SW

Feet From: SOUTH 1/4 Section Line: 200

Feet From: WEST 1/4 Section Line: 1320

Depth of Deviation: 8500

Radius of Turn: 600

Direction: 180

Total Length: 4330

Measured Total Depth: 13500

True Vertical Depth: 8570

End Point Location from Lease,
Unit, or Property Line: 200

Notes:

Category

Description

DEEP SURFACE CASING

12/16/2013 - 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 - 201307521

12/16/2013 - G30 - 15-15N-16W
X201306936 CGGV
COMP. INT. NCT 300 FNL, NCT 300 FSL, NCT 1400** FWL
NO OP. NAMED
REC 11/26/13 (M.PORTER)

**APPLICATION AMENDED IN HEARING FOR INTERIM ORDER TO NCT 1320 FWL PER
OPERATOR

SPACING - 618149

12/16/2013 - G30 - (640) 15-15N-16W
X268521 CGGV, OTHERS

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039 22421 GREEN 1-15H