

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

API NUMBER: 039 22432

Approval Date: 05/05/2014

Expiration Date: 11/05/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 14 Twp: 15N Rge: 16W

County: CUSTER

SPOT LOCATION: ☐ NE ☐ NE ☐ NW ☐ NW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 2470 1100

Lease Name: ANITA

Well No: 1-14H

Well will be 170 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

ANITA V CHRISTENSEN
PO BOX 720058
OKLAHOMA CITY OK 73172

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

	Name	Depth	Name	Depth
1	COTTAGE GROVE	8640	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 268521

Location Exception Orders: 622628

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 13300

Ground Elevation: 1173

Surface Casing: 900

Depth to base of Treatable Water-Bearing FM: 350

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: 6000

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

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

PERMIT NO: 14-27053

H. SEE MEMO

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.

PIT 2 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: OIL BASED

Chlorides Max: 310000 Average: 270000

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 14 Twp 15N Rge 16W County CUSTER

Spot Location of End Point: SE SE SW SW

Feet From: SOUTH 1/4 Section Line: 200

Feet From: WEST 1/4 Section Line: 1100

Depth of Deviation: 8140

Radius of Turn: 500

Direction: 180

Total Length: 4160

Measured Total Depth: 13300

True Vertical Depth: 8640

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

Notes:

Category

Description

DEEP SURFACE CASING

5/2/2014 - 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

LOCATION EXCEPTION - 622628

5/5/2014 - G72 - 14-15N-16W I.O. X 268521 CGGV;
COMP INT. NCT 300 FNL NCT 300 FSL NCT 1000 FWL;
SANGUINE GAS EXPLORATION LLC;
4/13/2014

MEMO

5/2/2014 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR OPTION, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

SPACING - 268521

5/5/2014 - G72 - (640) 14-15N-16W EXT 261713 CGGV, OTHERS;
EXT OTHERS;

SURFACE CASING

5/2/2014 - G71 - MIN. 500' PER ORDER 42589

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.

039 22432 ANITA 1-14H