

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

API NUMBER: 009 21913

Approval Date: 12/09/2013

Expiration Date: 06/09/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 19 Twp: 10N Rge: 26W

County: BECKHAM

SPOT LOCATION:

NE

NW

NW

NE

FEET FROM QUARTER: FROM

NORTH

FROM

EAST

SECTION LINES:

200

2030

Lease Name: MILLS

Well No: 8-19H

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

Operator Name: SAMSON RESOURCES COMPANY

Telephone: 9185831791

OTC/OCC Number: 5415 0

SAMSON RESOURCES COMPANY
2 W 2ND ST STE 1500
TULSA, OK 74103-3103

MILLS RANCH & CO, LTD
215 HICKORY DR
PAMPA TX 79065

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

Name	Depth	Name	Depth
1 MISSOURIAN GRANITE WASH	10560	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 120456

Location Exception Orders: 618188

Increased Density Orders:

Pending CD Numbers: 201306089

Special Orders:

Total Depth: 15915

Ground Elevation: 2037

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 310

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: ON SITE

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: 1B

Liner required for Category: 1B

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

B. Solidification of pit contents.

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

PERMIT NO: 13-24958

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: ON SITE

Type of Mud System: OIL BASED

Chlorides Max: 300000 Average: 200000

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: 3

Liner required for Category: 3

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 19 Twp 10N Rge 26W County BECKHAM

Spot Location of End Point: S2 S2 S2 S2

Feet From: SOUTH 1/4 Section Line: 210

Feet From: EAST 1/4 Section Line: 2640

Depth of Deviation: 10560

Radius of Turn: 70

Direction: 187

Total Length: 4867

Measured Total Depth: 15915

True Vertical Depth: 11521

End Point Location from Lease,
Unit, or Property Line: 210

Notes:

Category

Description

DEEP SURFACE CASING

12/5/2013 - 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

LOCATION EXCEPTION - 618188

12/5/2013 - G30 - (I.O.) 19-10N-26W
X12456/122543 MOGW
1ST PERF NCT 300 TO NL, NCT 1900 FEL
LAST PERF NCT 300 TO SL, NCT 1900 TO EL
BHL NCT 200 TO SL, NCT 1900 TO EL
SAMSON RESOURCES COMPANY
11/15/13

MEMO

12/5/2013 - G71 - PIT 1 - SOIL COMPACTED PIT, NOTIFY DISTRICT PRIOR TO TESTING SOIL PIT LINER, PIT 2 - 20-MIL LINER REQUIRED, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201306089

12/5/2013 - G30 - 19-10N-26W
X120456/122543 MOGW
2 WELLS
NO OP. NAMED
REC 10/22/13 (MCKEOWN)

SPACING - 120456

12/5/2013 - G30 - (663.5) 19-10N-26W & FRAC. 24-10N-27W
EXT 85641/107694 MOGW, OTHERS

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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.

009 21913 MILLS 8-19H