

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

API NUMBER: 019 26298

Approval Date: 06/11/2018
Expiration Date: 12/11/2018

Straight Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 30 Twp: 2S Rge: 2W

County: CARTER

SPOT LOCATION: NW NE SW SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 1010 958

Lease Name: COUNTRY GIRL

Well No: 1-30

Well will be 958 feet from nearest unit or lease boundary.

Operator Name: SPRING OPERATING COMPANY

Telephone: 4053406811

OTC/OCC Number: 20386 0

SPRING OPERATING COMPANY
PO BOX 2048
EDMOND, OK 73083-2048

BILLY & ROBIN NEEDHAM
P.O. BOX 145
GRAHAM OK 73437

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

Name	Depth	Name	Depth
1 SYCAMORE	4700	6 ALDRIDGE	5400
2 WOODFORD	4750	7 HUMPHREYS	7150
3 HUNTON	5000	8 SIMS	7300
4 VIOLA	5200	9 GOODWIN	8300
5 MARKHAM	5300	10 SIMPSON	11000

Spacing Orders: 670129

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 12500

Ground Elevation: 946

Surface Casing: 290

Depth to base of Treatable Water-Bearing FM: 40

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Type of Pit System: ON SITE

Type of Mud System: WATER BASED

Chlorides Max: 5000 Average: 3000

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: 2

Liner not required for Category: 2

Pit Location is BED AQUIFER

Pit Location Formation: WELLINGTON

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

Notes:

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.

019 26298 COUNTRY GIRL 1-30

Category	Description
HYDRAULIC FRACTURING	<p>6/1/2018 - G71 - OCC 165:10-3-10 REQUIRES:</p> <p>1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE;</p> <p>2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE "FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK: OCCEWEB.COM/OG/OGFORMS.HTML; AND,</p> <p>3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: FRACFOCUS.ORG</p>
INTENT TO DRILL	<p>6/11/2018 - G75 - FORMATION DEPTHS FOR THE SYCAMORE, WOODFORD, HUNTON AND VIOLA INDICATE THEY ARE IN OVER THRUST FAULT BLOCK PER OPERATOR</p>
SPACING - 670129	<p>6/11/2018 - G75 - (160) SW4 30-2S-2W VAC 284733 HMPR, SIMS, GDWN SCMR, WDFD VAC 370953 MRKM, ADDG, SIMS, HMPR, OTHER EXT 615371 SCMR, WDFD, HNTN, VIOL, MRKM, ADDG, HMPR, SIMS, GDWN, SMPS EST OTHER</p>
SURFACE LOCATION	<p>6/11/2018 - G75 - 1010' FSL, 958' FWL SW4 PER OPERATOR</p>

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