

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

API NUMBER: 051 24218 A

Approval Date: 11/09/2017
Expiration Date: 05/09/2018

Horizontal Hole Oil & Gas

Amend reason: OCC CORRECTION: FORMATION AND PIT MEMO

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 11 Twp: 4N Rge: 5W County: GRADY
SPOT LOCATION: ☐ NW ☐ NW ☐ SE ☐ NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 1400 1190

Lease Name: SPIES Well No: 1H-11X Well will be 1190 feet from nearest unit or lease boundary.
Operator Name: NEWFIELD EXPLORATION MID-CON INC Telephone: 2816742521; 9188781 OTC/OCC Number: 20944 0

NEWFIELD EXPLORATION MID-CON INC
4 WATERWAY SQ PL STE 100
SPRING, TX 77380-2764

SUE C DENNIS
15437 WESTERN AVENUE
LINDSAY KY 73052

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	10167	6	
2	SYCAMORE	10445	7	
3	WOODFORD	11715	8	
4	HUNTON	11967	9	
5			10	

Spacing Orders: 665344
666331

Location Exception Orders: 666332

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 22167

Ground Elevation: 1042

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 150

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: 5000 Average: 3000

F. Haul to Commercial soil farming facility: Sec. 28 Twn. 2N Rng. 4W Cnty. 137 Order No: 665063

Is depth to top of ground water greater than 10ft below base of pit? Y

H. SEE MEMO

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

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: 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: C

Liner not required for Category: C

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

HORIZONTAL HOLE 1

Sec 14 Twp 4N Rge 5W County GRADY

Spot Location of End Point: SW SW SE SE

Feet From: SOUTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 1005

Depth of Deviation: 11460

Radius of Turn: 450

Direction: 179

Total Length: 10000

Measured Total Depth: 22167

True Vertical Depth: 11967

End Point Location from Lease,
Unit, or Property Line: 50

Additional Surface Owner	Address	City, State, Zip
RUSSELL L SPIES	136 7TH AVENUE	KIRKLAND, WA 98033

Notes:

Category

Description

DEEP SURFACE CASING

11/9/2017 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

11/9/2017 - G71 - OCC 165:10-3-10 REQUIRES:

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;

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: OCCWEB.COM/OG/OGFORMS.HTML; AND,

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

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.

051 24218 SPIES 1H-11X

Category	Description
LOCATION EXCEPTION - 666332	<p>11/9/2017 - G60 - (I.O.) 11 & 14-14N-5W X665344 (11-4N-5W) SCMR, WDFD, HNTN X665344 (14-4N-5W) MSSP, WDFD, HNTN X165:10-3-28(C)(2)(B) SCMR, WDFD, HNTN MAY BE CLOSER THAN 600' TO NEARBY WELLS SHL NE4 SECTION 11 COMPL. INT. (11-14N-5W) NCT 165' FNL, NCT 0' FSL, NCT 330' FEL COMPL. INT. (14-14N-5W) NCT 0' FNL, NCT 165' FSL, NCT 330' FEL NEWFIELD EXPLORATION MID-CONTINENT, INC. 7/27/17</p>
MEMO	<p>11/9/2017 - G60 - PIT 1 & 2 - CLOSED SYSTEM = STEEL PITS PER OPERATOR REQUEST, WBM & OBM CUTTINGS CAPTURED IN STEEL HALF PITS & TRANSFERRED TO BACKYARD ENERGY SERVICES SOUTH SCOOP FACILITY (SE4 28-2N-4W, STEPHENS CO.); PIT 2 - OBM TO VENDOR</p>
SPACING - 665344	<p>11/9/2017 - G60 - (640)(HOR) 11 & 14-4N-5W EXT 663879/638843 (11 & 14) WDFD, HNTN EXT 663879/638843 (14) MSSP EST (11) SCMR, OTHER COMPL. INT. (SCMR, MSSP, HNTN) NLT 660' FB COMPL. INT. (WDFD) NCT 165' FNL/FSL, NCT 330' FEL/FWL (SECTION 11: COEXIST WITH SP. ORDER 352144 S2 SCMR, HNTN; SP. ORDER 385886 NE4 SCMR, WDFD, HNTN; SP. ORDER 427233 NW4 SCMR, WDFD, HNTN; SP. ORDER 435920 WDFD) SP. ORDER 496645 SW4 WDFD; SECTION 11: 357415 SCMR, HNTN; SP. ORDER 384246 SW4 WDFD; SP. ORDER 484340 NW4 WDFD)</p>
SPACING - 666331	<p>11/9/2017 - G60 - (I.O.) 11 & 14-4N-5W EST MULTIUNIT HORIZONTAL WELL X665344 (14-4N-5W) MSSP, WDFD, HNTN X665344 (11-4N-5W) SCMR, WDFD, HNTN (MSSP, SCMR, AND HNTN ARE ASSOCIATED COMMON SOURCES OF SUPPLY TO WDFD) 50% 11-4N-5W 50% 14-4N-5W NEWFIELD EXPLORATION MID-CONTINENT INC. 7/27/17</p>
SURFACE CASING	<p>11/9/2017 - G71 - MIN. 300' PER ORDER 31521</p>