API NUMBER: 017 25213

Oil & Gas

Horizontal Hole

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

Approval Date: 04/19/2018 10/19/2018 **Expiration Date**

PERMIT TO DRILL

WELL LOCATION: Sec: 15	Twp:	10N	Rge: 5W	County:	CANADIAN
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SPOT LOCATION: SW FEET FROM QUARTER: SE Isw Isw SOUTH FROM WEST SECTION LINES:

Lease Name: MCNEFF 22-27-10-5 Well No: 4XH Well will be 162 feet from nearest unit or lease boundary.

750

LINN OPERATING LLC Operator OTC/OCC Number: Telephone: 2818404010: 4052412 22182 0 Name:

162

LINN OPERATING LLC 600 TRAVIS ST STE 1400

HOUSTON. TX 77002-3005 LARRY E. MCNEFF & JANE M.MCNEFF 12800 SOUTH MUSTANG ROAD

MUSTANG OK 73064

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

Name Depth Name Depth WOODFORD 1 8900 6 2 7 3 8 4 9 5 10 654976 Spacing Orders: Location Exception Orders: Increased Density Orders: 419868 Special Orders:

Pending CD Numbers: 201802242

> 201802244 201802248 201802246

Total Depth: 19445 Ground Elevation: 1194 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 220

Under Federal Jurisdiction: Fresh Water Supply Well Drilled: Yes Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

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?

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 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: 18-34281

H. SEE MEMO

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 27 Twp 10N Rge 5W County **GRADY** Spot Location of End Point: SE SW SW SW Feet From: SOUTH 1/4 Section Line: 65 Feet From: WEST 1/4 Section Line: 380

Depth of Deviation: 7982 Radius of Turn: 575 Direction: 182

Total Length: 10560

Measured Total Depth: 19445
True Vertical Depth: 8900
End Point Location from Lease,
Unit, or Property Line: 65

Notes:

MEMO

Category Description

DEEP SURFACE CASING 4/10/2018 - 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 4/10/2018 - 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:

OCCEWEB.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

4/10/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS (CANADIAN RIVER), PIT 2 - OBM

RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201802242 4/12/2018 - G60 - (I.O.) 22 & 27-10N-5W

EST MULTIUNIT HORIZONTAL WELL

X654976 WDFD 22-10N-5W X419868 WDFD 27-10N-5W

50% 22-10N-5W 50% 27-10N-5W

LINN ENERGY OPERATING, LLC.

REC. 4/17/18 (MINMIER)

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.

017 25213 MCNEFF 22-27-10-5 4XH

Category Description

PENDING CD - 201802244 4/12/2018 - G60 - (I.O.) 22 & 27-10N-5W

X654976 WDFD 22-10N-5W

X419868 WDFD 27-10N-5W

COMPL. INT. (27-10N-5W) NCT 165' FSL, NCT 0' FNL, NCT 330' FWL COMPL. INT. (22-10N-5W) NCT 0' FSL, NCT 165' FNL, NCT 330' FWL

LINN OPERATING, LLC REC. 4/17/18 (MINMIER)

PENDING CD - 201802246 4/12/2018 - G60 - 22-10N-5W

X654976 WDFD 3 WELLS

LINN OPERATING, LLC. REC. 4/17/18 (MINMIER)

PENDING CD - 201802248 4/12/2018 - G60 - 27-10N-5W

X419868 WDFD 3 WELLS NO OP. NAMED

REC. 4/17/18 (MINMIER)

SPACING - 419868 4/12/2018 - G60 - (640) 27-10N-5W

VAC OTHERS

EXT 415281 WDFD, OTHERS

SPACING - 654976 4/12/2018 - G60 - (640)(HOR) 22-10N-5W

EXT 649768 WDFD

POE TO BHL NCT 165' FNL & FSL, NCT 330' FEL & FWL

