

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

API NUMBER: 017 25148 A

Approval Date: 12/20/2017
Expiration Date: 06/20/2018

Horizontal Hole Oil & Gas

Amend reason: MOVED SHL 25' FNL

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 36 Twp: 11N Rge: 6W

County: CANADIAN

SPOT LOCATION: ☐ NW ☐ NE ☐ NW ☐ NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 270 670

Lease Name: FRANK EATON 36-1-11-6

Well No: 1XH

Well will be 245 feet from nearest unit or lease boundary.

Operator Name: LINN OPERATING LLC

Telephone: 4052412237; 4052412

OTC/OCC Number: 22182 0

LINN OPERATING LLC
14701 HERTZ QUAIL SPRINGS PKWY
OKLAHOMA CITY, OK 73134-2641

MM CIRCLE T RANCH LLC
14400 SW 74TH
%MAURICE BRANSCUM
MUSTANG OK 73064

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	8955	6	
2	WOODFORD	9000	7	
3			8	
4			9	
5			10	

Spacing Orders: 666770
669273
231308

Location Exception Orders: 670231

Increased Density Orders: 666411

Pending CD Numbers:

Special Orders:

Total Depth: 19555

Ground Elevation: 1307

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 730

Under Federal Jurisdiction: Yes

Fresh Water Supply Well Drilled: Yes

Surface Water used to Drill: No

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: DUNCAN

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: 17-33514

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 BED AQUIFER

Pit Location Formation: DUNCAN

HORIZONTAL HOLE 1

Sec 01 Twp 10N Rge 6W County CANADIAN

Spot Location of End Point: SW SW SW SW

Feet From: SOUTH 1/4 Section Line: 65

Feet From: WEST 1/4 Section Line: 380

Depth of Deviation: 8455

Radius of Turn: 525

Direction: 180

Total Length: 10276

Measured Total Depth: 19555

True Vertical Depth: 9050

End Point Location from Lease,
Unit, or Property Line: 65

Notes:

Category

Description

DEEP SURFACE CASING

11/30/2017 - 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

11/30/2017 - 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: 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

INCREASED DENSITY - 666411

12/18/2017 - G58 - (I.O.) 36-11N-6W
X231208 MSSP
1 WELL
LINN OPERATING, LLC
7/28/2017

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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.

017 25148 FRANK EATON 36-1-11-6 1XH

Category	Description
LOCATION EXCEPTION - 670231	12/18/2017 - G58 - (I.O.) 36-11N-6W & 1-10N-6W X669273 MSSP, WDFD (1-10N-6W) X231308 MSSP (36-11N-6W) X666770 WDFD (36-11N-6W) COMPL. INT. (1-10N-6W) NCT 165' FSL, NCT 0' FNL, NCT 330' FWL COMPL. INT. (36-11N-6W) NCT 0' FSL, NCT 165' FNL, NCT 330' FWL NO OP. NAMED 11/20/2017
MEMO	11/30/2017 - G71 - PITS 1 & 2 - CONCRETE LINED PIT PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 231308	12/18/2017 - G58 - (640) 36-11N-6W VAC OTHERS VAC 189474 MSSLM, OTHERS EXT OTHER EXT 148788 MSSP, OTHERS EST OTHERS
SPACING - 666770	12/18/2017 - G58 - (640)(HOR) 36-11N-6W EXT 655175 WDFD COMPL. INT. NLT 165' FNL & FSL, NLT 330' FEL & FWL (COEXIST SP. ORDER 189474 WDFD)
SPACING - 669273	12/18/2017 - G58 - (640)(HOR) 1-10N-6W EST MSSP, WDFD COMPL. INT. (MSSP) NLT 660' FB COMPL. INT. (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL (COEXIST SP. ORDER 244335 MISS)
SPACING - 670771	12/18/2017 - G58 - (I.O.) 36-11N-6W & 1-10N-6W EST MULTIUNIT HORIZONTAL WELL X669273 MSSP, WDFD 1-10N-6W X231308 MSSP 36-11N-6W X666770 WDFD 36-11N-6W (MSSP IS ADJACENT COMMON SOURCE OF SUPPLY TO WDFD) 50% 1-10N-6W 50% 36-11N-6W LINN OPERATING, LLC 12/5/2017