

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

API NUMBER: 051 24046

Approval Date: 06/23/2016

Expiration Date: 12/23/2016

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 28 Twp: 10N Rge: 6W

County: GRADY

SPOT LOCATION: ☐ SW ☐ SE ☐ SE ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 290 600

Lease Name: BRAUM 33-4-10-6

Well No: 1XH

Well will be 290 feet from nearest unit or lease boundary.

Operator Name: LINN OPERATING INC

Telephone: 4052412200; 4052412

OTC/OCC Number: 22182 0

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

WHB CATTLE, LP
3000 NE 63RD STREET
OKLAHOMA CITY OK 73121

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

Name	Depth	Name	Depth
1 WOODFORD	10309	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 255248
366115

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201601811
201601812
201602130

Special Orders:

Total Depth: 20706

Ground Elevation: 1289

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 120

Under Federal Jurisdiction: No

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: 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: 16-31324

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 04 Twp 9N Rge 6W County GRADY

Spot Location of End Point: SW SE SE SE

Feet From: SOUTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 600

Depth of Deviation: 10100

Radius of Turn: 575

Direction: 180

Total Length: 9703

Measured Total Depth: 20706

True Vertical Depth: 10324

End Point Location from Lease,
Unit, or Property Line: 165

Notes:

Category

Description

DEEP SURFACE CASING

6/9/2016 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

6/9/2016 - G71 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK [HTTP://FRACFOCUS.ORG/](http://FRACFOCUS.ORG/) WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE.

MEMO

6/9/2016 - G71 - PIT 1 & 2 - CONCRETE-LINED PIT PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

PENDING CD - 201601811

6/10/2016 - G75 - (E.O.) 33-10N-6W & 4-9N-6W
EST MULTIUNIT HORIZONTAL WELL
XOTHERS
X255248 WDFD 33-10N-6W
X366115 WDFD 4-9N-6W
50% 33-10N-6W
50% 4-9N-6W
NO OP. NAMED
REC 6-7-2016 (LEAVITT)

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 24046 BRAUM 33-4-10-6 1XH

Category	Description
PENDING CD - 201601812	6/10/2016 - G75 - (E.O.) 33-10N-6W & 4-9N-6W XOTHERS X255248 WDFD 33-10N-6W X366115 WDFD 4-9N-6W COMPL. INT. (33-9N-6W) NCT 165 FNL, NCT 0 FSL, NCT 330 FEL ** COMPL. INT. (4-9N-6W) NCT 0 FNL, NCT 165 FSL, NCT 330 FEL NO OP. NAMED REC 6-7-2016 (LEAVITT) ** S/B COMPL. INT. (33-10N-6W) NCT 165 FNL, NCT 0 FSL, NCT 330 FEL; TO BE CORRECTED AT HEARING FOR FINAL ORDER LOCATION EXCEPTION PER OPERATOR
PENDING CD - 201602130	6/21/2016 - G75 - 33-10N-6W XOTHER X255248 WDFD 1 WELL NO OP. NAMED HEARING 7-5-2016
SPACING - 255248	6/9/2016 - G75 - (640) 33-10N-6W EXT OTHERS EXT 242927 WDFD, OTHERS
SPACING - 366115	6/9/2016 - G75 - (640) 4-9N-6W EXT 338339 WDFD

PLAT OF
LINN OPERATING, INC
BRAUM 33-4-10-6 1X1H
MINCO FIELD
SHL: 290' FSL & 600' FEL (OFFSITE IN SEC 28)
SECTION 33, TOWNSHIP 10 NORTH, RANGE 6 WEST
INDIAN MERIDIAN
LEASE LINES
SHL: 290' FNL & 600' FEL
GRADY COUNTY, OKLAHOMA

NOTE:
 1. COMBINED SCALE FACTOR: 0.999953993
 2. SHL IS APPROXIMATELY 1.53 MILES N 46°41'30" W OF TITTLE, OKLAHOMA
 3. FOR ADEQUATE INFORMATION SEE PAGE 2.

LEGEND
 1. SURFACE HOLE LOCATION
 2. PROPOSED WELL LOCATION
 3. PROPOSED LATERAL
 4. SURFACE LOCATION OBTAINED FROM DCC
 5. SURVEY LINE

John F. Watson & Company
 LAND & DEVELOPMENT SERVICES
 PROFESSIONAL LAND SURVEYORS
 200 N LORAIN #220
 MIDLAND, TX 79701
 (432) 520-2400

CA#5957 EXPIRATION 5-30-2017
200 N LORAIN #220
MIDLAND, TX 79701
(432) 520-2400

EDWARD H. MEYERS
 1868
OKLAHOMA

SCALE 1" = 1000'
 0' 1000' 2000' 3000'

FILE: S:\OK\GRADY\PROJECTS\BRAUM 33-4-10-6 1X1H (08-02-10).dwg

DATE: 08-17-2016

1. BEARING, DISTANCE & ADEQUATE ARE SHOWN AND 27 US OR SOUTH ZONE AND ARE OBTAINED BY NORMAL GPS TECHNIQUE.
 2. BEARINGS ARE BASED ON NAVD83.
 3. THIS SURVEY IS FOR AN OIL & GAS SUBSURFACE LEASE AND IS NOT A BOUNDARY SURVEY.
 4. LOCATION OF BOUNDARY WELLS AND/OR LEASE BOUNDARY ARE APPROXIMATED FROM OKLAHOMA CORPORATION COMMISSION DATA.
 5. COMPARISON INFORMATION PROVIDED BY THE CLIENT.
 6. THIS SURVEY COMPLIES WITH THE US PUBLIC LAND SURVEY SYSTEM AND MEETS THE OKLAHOMA MINIMUM STANDARDS FOR THE PRACTICE OF LAND SURVEYING AS ADOPTED BY THE OKLAHOMA STATE BOARD OF REGULATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS, EFFECTIVE JULY 25, 2013.
 7. THIS IS NOT A BOUNDARY SURVEY.
 8. THE UNDERSIGNED DO HEREBY CERTIFY THAT THE SURVEY INFORMATION FOUNDED ON THIS PLAT WAS OBTAINED FROM ACTUAL FIELD MEASUREMENTS AND THE OBTAINED SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.