

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

API NUMBER: 051 24040

Approval Date: 06/10/2016

Expiration Date: 12/10/2016

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: 290 575

Lease Name: BRAUM 28-21-10-6

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	MISSISSIPPI	9721	6	
2	MISSISSIPPIAN	9947	7	
3	WOODFORD	10307	8	
4			9	
5			10	

Spacing Orders: 242927  
255248  
653283

Location Exception Orders: 653284

Increased Density Orders: 653287

Pending CD Numbers: 201601728  
201601749

Special Orders:

Total Depth: 20323

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: 16-31325

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 21 Twp 10N Rge 6W County GRADY
Spot Location of End Point: N2 NE NE NE
Feet From: NORTH 1/4 Section Line: 165
Feet From: EAST 1/4 Section Line: 330
Depth of Deviation: 10100
Radius of Turn: 575
Direction: 3
Total Length: 9320
Measured Total Depth: 20323
True Vertical Depth: 10323
End Point Location from Lease,
Unit, or Property Line: 165

Notes:

Table with 2 columns: Category, Description. Rows include DEEP SURFACE CASING, HYDRAULIC FRACTURING, INCREASED DENSITY - 653287, LOCATION EXCEPTION - 653284, and MEMO.

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Category	Description
PENDING CD - 201601728	6/9/2016 - G75 - 28-10N-6W X255248 MSSP, WDFD 1 WELL NO OP. NAMED REC 5-31-2016 (NORRIS)
PENDING CD - 201601749	6/9/2016 - G75 - (E.O.) 21-10N-6W X165:10-3-28(C)(2)(B) MISS (BRAUM 28-21-10-6 1XH) CLOSER THAN 600' TO BOND 2-21 NO OP. NAMED REC 5-31-2016 (COLAW)
SPACING - 242927	6/9/2016 - G75 - (640) 21-10N-6W EXT 91509/237110 MISS, OTHERS EST WDFD, OTHERS
SPACING - 255248	6/9/2016 - G75 - (640) 28-10N-6W EXT 171390 MSSP, OTHERS EXT 242927 WDFD, OTHERS
SPACING - 653283	6/9/2016 - G75 - (E.O.) 21 & 28-10N-6W EST MULTIUNIT HORIZONTAL WELL X242927 MISS, WDFD 21-10N-6W X255248 MSSP, WDFD 28-10N-6W (MISS, MSSP ASSOCIATED COMMON SOURCES OF SUPPLY TO WDFD) 50% 21-10N-6W 50% 28-10N-6W NO OP. NAMED 6-6-2016

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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.

