

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

API NUMBER: 051 24024 B

Approval Date: 02/10/2016
Expiration Date: 08/10/2016

Horizontal Hole Oil & Gas

Amend reason: CHANGE SURFACE CASING DEPTH; UPDATE PIT INFORMATION & ORDER

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 31 Twp: 10N Rge: 5W

County: GRADY

SPOT LOCATION: NE NE NW NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 265 1532

Lease Name: HINPARR 31-6-10-5

Well No: 1XH

Well will be 265 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

ROBERT L. HINTON TRUST
29 VILLAGE DRIVE
CHICKASHA OK 73018

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	9652	6	
2 WOODFORD	9696	7	
3		8	
4		9	
5		10	

Spacing Orders: 250481
648596
253223
652302
652303

Location Exception Orders: 652304

Increased Density Orders: 650788
652397

Pending CD Numbers:

Special Orders:

Total Depth: 19642

Ground Elevation: 1273

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 100

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: 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: 16-31062

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 06 Twp 9N Rge 5W County GRADY
Spot Location of End Point: SE SE SW SE
Feet From: SOUTH 1/4 Section Line: 165
Feet From: EAST 1/4 Section Line: 1500
Depth of Deviation: 9077
Radius of Turn: 575
Direction: 179
Total Length: 9662
Measured Total Depth: 19642
True Vertical Depth: 9696
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 - 650788, and INCREASED DENSITY - 652397.

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Category	Description
LOCATION EXCEPTION - 652304	5/4/2016 - G75 - (E.O.) 31-10N-5W & 6-9N-5W X250481 MSSP 31-10N-5W X648596 WDFD 31-10N-5W X253223 MSSP 6-9N-5W X652302 WDFD 6-9N-5W SHL (31-10N-5W) 265 FNL, 1532 FEL COMPL. INT. (31-10N-5W) NCT 330 FNL, NCT 0 FSL, NCT 1432 FEL COMPL. INT. (6-9N-5W) NCT 0 FNL, NCT 330 FSL, NCT 1432 FEL LINN OP., INC. 5-3-2016
MEMO	2/9/2016 - G71 - PIT 1 & 2 - CONCRETE-LINED PIT PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT
SPACING - 250481	2/10/2016 - G75 - (640) 31-10N-5W EST MSSP, OTHERS
SPACING - 253223	5/4/2016 - G75 - (640) 6-9N-5W EXT 144013/217821/244149 MSSP, OTHERS EST OTHERS EXT OTHER
SPACING - 648596	5/4/2016 - G75 - (640)(HOR) 31-10N-5W EXT 641851 WDFD POE TO BHL NCT 165' FNL & FSL, NCT 330' FEL & FWL
SPACING - 652302	5/4/2016 - G75 - (E.O.)(640)(HOR) 6-9N-5W EXT 648596 WDFD POE TO BHL NCT 165' FNL & FSL, NCT 330' FEL & FWL LINN OP., INC. 5-3-2016
SPACING - 652303	5/4/2016 - G75 - (E.O.) 31-10N-5W & 6-9N-5W EST MULTIUNIT HORIZONTAL WELL X250481 MSSP 31-10N-5W X648596 WDFD 31-10N-5W X253223 MSSP 6-9N-5W X652302 WDFD 6-9N-5W (WDFD ASSOCIATED COMMON SOURCE OF SUPPLY TO MSSP) 50% 31-10N-5W 50% 6-9N-5W LINN OP., INC. 5-3-2016

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