

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

API NUMBER: 009 21891 A

Approval Date: 06/12/2013
Expiration Date: 12/12/2013

Horizontal Hole Oil & Gas

Amend reason: CHANGE SHL 20' SOUTH OF THE ORIGINAL
LOCATION PERMITTED

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 04 Twp: 10N Rge: 25W County: BECKHAM
SPOT LOCATION: NE NW NW NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 180 400

Lease Name: HEINSOHN 4-10-25 Well No: 10H Well will be 180 feet from nearest unit or lease boundary.

Operator Name: LINN OPERATING INC Telephone: 2818404000; 2818404 OTC/OCC Number: 22182 0

LINN OPERATING INC
14000 QUAIL SPRINGS PKWY STE. 5000
OKLAHOMA CITY, OK 73134

DARRELL D HEINSOHN & KATHY HEINSOHN, HW
17563 EAST 1130 ROAD
SAYRE OK 73662

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

Name	Depth	Name	Depth
1 MO'AN (UP GRANITE WASH)	11250	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 129891 Location Exception Orders: 611821 Increased Density Orders:

Pending CD Numbers: Special Orders:

Total Depth: 16200 Ground Elevation: 2045 Surface Casing: 400 Depth to base of Treatable Water-Bearing FM: 280

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: 30000 Average: 5000
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 OTHER HSA
Pit Location Formation: DOXEY

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: 13-23594
- 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 OTHER HSA
Pit Location Formation: DOXEY

HORIZONTAL HOLE 1

Sec 04 Twp 10N Rge 25W County BECKHAM
Spot Location of End Point: SE SW SW SW
Feet From: SOUTH 1/4 Section Line: 300
Feet From: WEST 1/4 Section Line: 600
Depth of Deviation: 11200
Radius of Turn: 575
Direction: 180
Total Length: 4950
Measured Total Depth: 16200
True Vertical Depth: 11250
End Point Location from Lease,
Unit, or Property Line: 300

Notes:

Table with 2 columns: Category, Description. Includes entries for LOCATION EXCEPTION - 611821, MEMO, and SPACING - 129891.

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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.