

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

API NUMBER: 009 21909

Approval Date: 11/21/2013

Expiration Date: 05/21/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 29 Twp: 11N Rge: 25W County: BECKHAM

SPOT LOCATION: ☐ NW ☐ NE ☐ NE ☐ NW FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 250 2300

Lease Name: JOHNSON 20-11-25 Well No: 10H Well will be 250 feet from nearest unit or lease boundary.

Operator Name: LINN OPERATING INC

Telephone: 4052412200; 2818404

OTC/OCC Number: 22182 0

LINN OPERATING INC
14000 QUAIL SPRINGS PKWY STE 5000
OKLAHOMA CITY, OK 73134-2619

LORITA F JOHNSON, TRUSTEE
1409 WEST COUNTRY CLUB BOULEVARD
ELK CITY OK 73644

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

Name	Depth	Name	Depth
1 MISSOURIAN	11600	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 249513

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201306944
201306943

Special Orders:

Total Depth: 16500

Ground Elevation: 2087

Surface Casing: 540

Depth to base of Treatable Water-Bearing FM: 420

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 BED AQUIFER

Pit Location Formation: OGALLALA

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: 13-24950

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: OGALLALA

HORIZONTAL HOLE 1

Sec 20 Twp 11N Rge 25W County BECKHAM

Spot Location of End Point: NW NW NE NW

Feet From: NORTH 1/4 Section Line: 300

Feet From: WEST 1/4 Section Line: 1350

Depth of Deviation: 11000

Radius of Turn: 575

Direction: 350

Total Length: 4700

Measured Total Depth: 16500

True Vertical Depth: 11600

End Point Location from Lease,
Unit, or Property Line: 300

Notes:

Category

Description

MEMO

11/21/2013 - G71 - PITS 1 & 2 - CONCRETE LINED PIT PER OPERATOR REQUEST, PIT 2 - OBM
RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201306943

11/21/2013 - G30 - 20-11N-25W
X249513 MSRN
2 WELLS
NO OP. NAMED
REC 11/19/13 (P.PORTER)

PENDING CD - 201306944

11/21/2013 - G30 - 20-11N-25W
X249513 MSRN
COMP. INT. NCT 300 FNL, NCT 300 FSL, NCT 500 FWL
NO OP. NAMED
REC 11/19/13 (P.PORTER)

SPACING - 249513

11/21/2013 - G30 - (640) 20-11N-25W
EXT 207398 MSRN, OTHERS

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009 21909 JOHNSON 20-11-25 10H

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