

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

API NUMBER: 009 21982

Approval Date: 10/20/2016
Expiration Date: 04/20/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 36 Twp: 11N Rge: 21W County: BECKHAM
SPOT LOCATION: NW NE NW NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 165 900

Lease Name: THOROUGHbred Well No: 1H-36 Well will be 165 feet from nearest unit or lease boundary.

Operator Name: LE NORMAN OPERATING LLC Telephone: 4055481200 OTC/OCC Number: 22738 0

LE NORMAN OPERATING LLC
4700 GAILLARDIA PKWY STE 200
OKLAHOMA CITY, OK 73142-1839

BILLY EARL GREEN/LINDA GREEN, H/W
6524 N.W. 116TH STREET
OKLAHOMA CITY OK 73162

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

Name	Depth	Name	Depth
1 DES MOINES	13000	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201603929
201604247

Special Orders:

Total Depth: 17994 Ground Elevation: 1942 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 240

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 8000 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: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: ELK CITY

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 16-31716
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: CLOSED Closed System Means Steel Pits

Type of Mud System: OIL BASED

Chlorides Max: 30000 Average: 8000

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: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: ELK CITY

HORIZONTAL HOLE 1

Sec 36 Twp 11N Rge 21W County BECKHAM

Spot Location of End Point: SW SE SW SW

Feet From: SOUTH 1/4 Section Line: 250

Feet From: WEST 1/4 Section Line: 900

Depth of Deviation: 12420

Radius of Turn: 580

Direction: 180

Total Length: 4663

Measured Total Depth: 17994

True Vertical Depth: 13000

End Point Location from Lease,
Unit, or Property Line: 250

Notes:

Category

Description

DEEP SURFACE CASING

10/19/2016 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

10/19/2016 - 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

10/19/2016 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201603929

10/20/2016 - G60 - (640)(HOR) 36-11N-21W
VAC 167149 DSMN
EST DSMN
COMPL. INT. NCT 660' FB
REC. 10/17/16 (P. PORTER)

PENDING CD - 201604247

10/20/2016 - G60 - (I.O.) 36-11N-21W
X201603929 DSMN
COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 660' FWL
NO OP. NAMED
REC. 10/17/16 (P. PORTER)

This permit does not address the right of entry or settlement of surface damages.

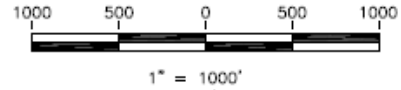
The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.

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.

PROPOSED LOCATION PLAT

3500921982

COMPANY: LE NORMAN OPERATING, LLC LEASE NAME: THOROUGHbred 1H-36
 SECTION: 36 TOWNSHIP: 11N RANGE: 21W ELEVATION: 1942'GR
 COUNTY: BECKHAM STATE: OKLAHOMA FOOTAGES: 165'FNL & 900'FWL
 DIRECTION: ±.5 MILES SOUTHEAST OF ELK CITY, OKLAHOMA
 TOPOGRAPHY & VEGETATION: PASTURE
 BEST ACCESSIBILITY: FROM COUNTY ROAD WEST OF LOCATION



- LEGEND**
- SURFACE
 - Ⓡ 1ST TAKE
 - Ⓛ LAST TAKE
 - Ⓟ BOTTOM HOLE
 - EXISTING WELLS
 - PROPOSED WELLS

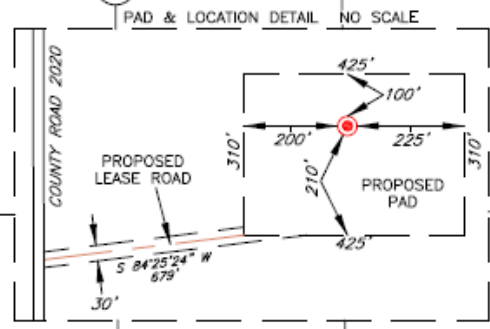
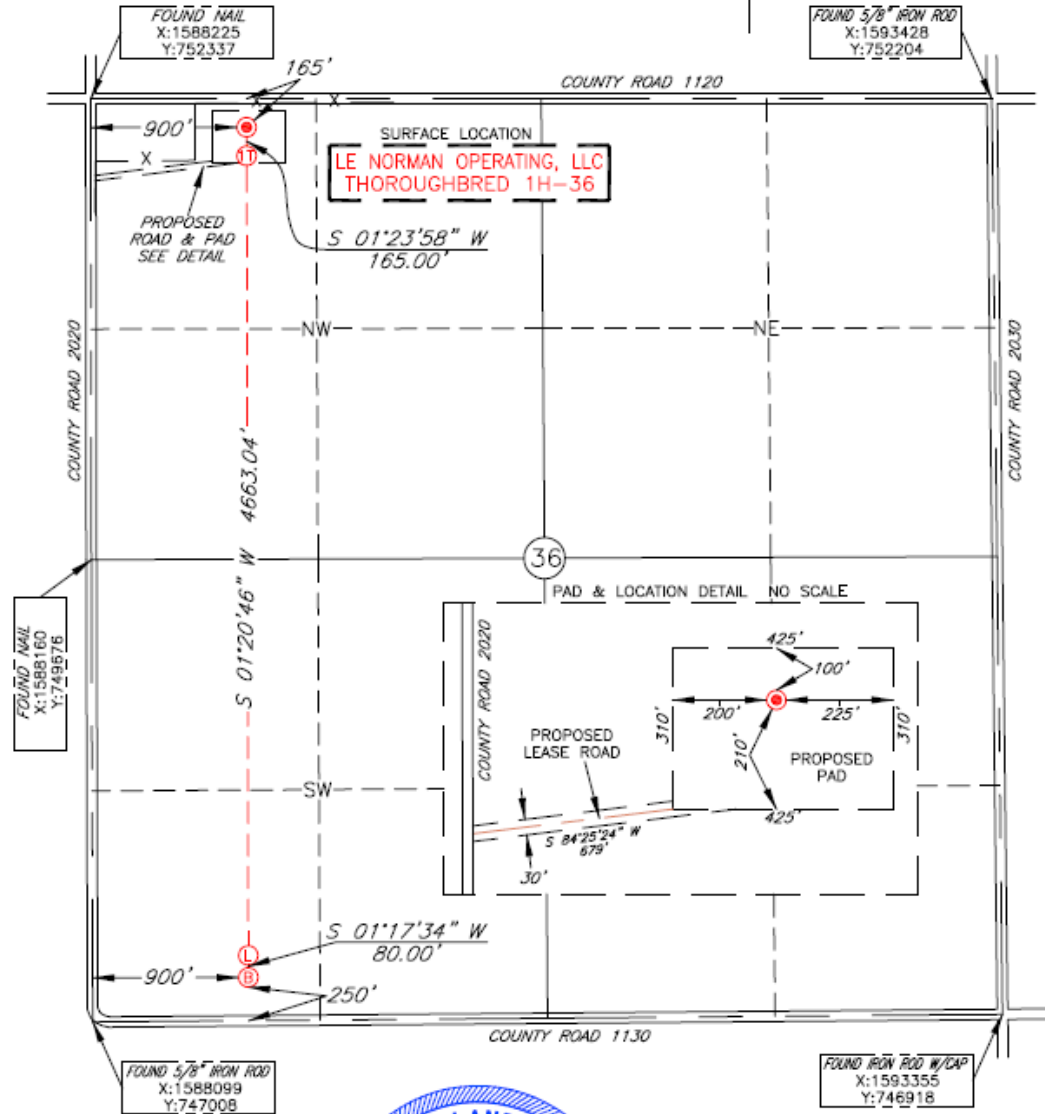
OKLAHOMA NORTH, NAD-27

SURFACE LOCATION
 CALLS: 165'FNL & 900'FWL
 LATITUDE: 35°23'32.55"
 LONGITUDE: -99°22'42.44"
 X:1589120
 Y:752149

1ST TAKE PT.
 CALLS: 330'FNL & 900'FWL
 LATITUDE: 35°23'30.92"
 LONGITUDE: -99°22'42.46"
 X:1589116
 Y:751984

LAST TAKE PT.
 CALLS: 330'FSL & 900'FWL
 LATITUDE: 35°22'44.81"
 LONGITUDE: -99°22'43.01"
 X:1589007
 Y:747322

BOTTOM HOLE LOCATION
 CALLS: 250'FSL & 900'FWL
 LATITUDE: 35°22'44.01"
 LONGITUDE: -99°22'43.02"
 X:1589005
 Y:747242



FILE: ORFS-700-58
 DATE: 9/26/16
 SURVEYED BY: C.H.
 DRAWN BY: J.W.
 CHECKED BY: C.L.

REVISION:



I JACKSON MILLER, HEREBY STATE THAT THE LOCATION PLAT SHOWN HEREON IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AS SURVEYED BY ME OR UNDER MY DIRECT SUPERVISION.

Jackson Miller
 JACKSON MILLER
 OK RLS #1309
 9/27/16

800 W. FRANCIS AVE. PALMA, TX 78066
 TRPLS No. 10193894
 38350 HWY-10 WEST, BOEYNE, TX 78008
 TRPLS No. 10194088

SURVEY & MAPPING BY
ENER-TRANS Inc.
 4405 NW 4th Str. Suite 133 Phone: (405) 947-1340
 Oklahoma City, Oklahoma Fax: (405) 947-2923
 73107 (CA-1114 LS 6/30/2016)

NOTE:
 BEARINGS & COORDINATES BASED ON OKLAHOMA STATE PLANE COORDINATE SYSTEM GPS OBSERVATION, OK SOUTH ZONE, NAD-27 GRID, US SURVEY FEET