

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

API NUMBER: 129 24118

Approval Date: 07/12/2018

Expiration Date: 01/12/2019

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 23 Twp: 12N Rge: 24W

County: ROGER MILLS

SPOT LOCATION: ☐ NE ☐ NE ☐ NW ☐ NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 260 1260

Lease Name: SPURBURY

Well No: 1H-14

Well will be 260 feet from nearest unit or lease boundary.

Operator LE NORMAN OPERATING LLC  
Name:

Telephone: 4055481200

OTC/OCC Number: 22738 0

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

GARY & MELANIE COFFIN  
P.O. BOX 473  
CHEYENNE OK 73628

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

	Name	Depth	Name	Depth
1	MARMATON	13300	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 208893

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201804659  
201804657

Special Orders:

Total Depth: 18269

Ground Elevation: 2348

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 960

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

**PIT 1 INFORMATION**

Approved Method for disposal of Drilling Fluids:

Type of Pit System: CLOSED Closed System Means Steel Pits

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: C**

**Liner not required for Category: C**

Pit Location is BED AQUIFER

Pit Location Formation: OGALLALA

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 18-34770

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: 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: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: OGALLALA

## HORIZONTAL HOLE 1

Sec 14 Twp 12N Rge 24W County ROGER MILLS

Spot Location of End Point: NW NW NE NW

Feet From: NORTH 1/4 Section Line: 250

Feet From: WEST 1/4 Section Line: 1370

Depth of Deviation: 12951

Radius of Turn: 382

Direction: 1

Total Length: 4718

Measured Total Depth: 18269

True Vertical Depth: 13300

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

### Notes:

#### Category

#### Description

#### DEEP SURFACE CASING

6/21/2018 - 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

6/21/2018 - G71 - OCC 165:10-3-10 REQUIRES:

1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE;

2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE "FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK: [OCCEWEB.COM/OG/OGFORMS.HTML](http://OCCEWEB.COM/OG/OGFORMS.HTML); AND,

3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: [FRACFOCUS.ORG](http://FRACFOCUS.ORG)

#### MEMO

6/21/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

#### PENDING CD - 201804657

6/25/2018 - G57 - (I.O.) 14-12N-24W  
X208893 MRMN  
1 WELL  
NO OP. NAMED  
REC 7-9-2018 (MINMIER)

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

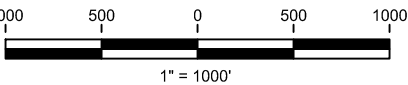
The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.

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.

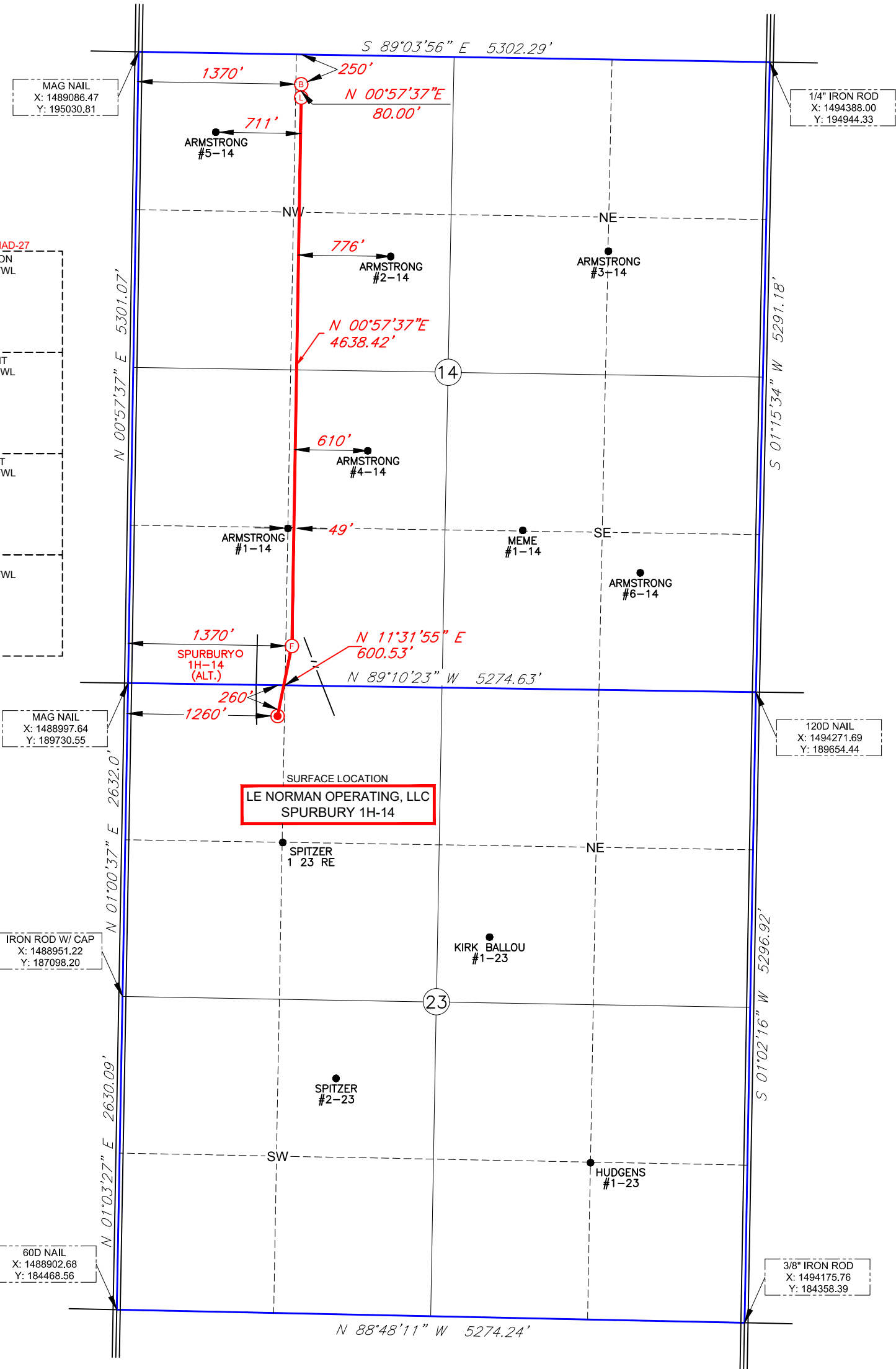
129 24118 SPURBURY 1H-14

Category	Description
PENDING CD - 201804659	6/25/2018 - G57 - (I.O.) 14-12N-24W X208893 MRMN COMPL. INT. NCT 330' FSL, NCT 330' FNL, NCT 1000' FWL NO OP. NAMED REC 7-9-2018 (MINMIER)
SPACING - 208893	6/25/2018 - G57 - (640) 14-12N-24W EXT OTHERS EXT 132600 MRMN, OTHER

COMPANY: LE NORMAN OPERATING, LLC LEASE NAME: SPURBURY 1H-14  
SECTION: 23 TOWNSHIP: T-12-N RANGE: R-24-W FOOTAGES: 260'FNL & 1260'FWL  
COUNTY: ROGER MILLS STATE: OK  
LATITUDE: 35°30'29.18" LONGITUDE: 99°42'45.61" ELEVATION: 2348'GR  
DIRECTION: ±11 MILES SOUTHWEST OF CHEYENNE, OK  
TOPOGRAPHY & VEGETATION: CRP GRASS  
BEST ACCESSIBILITY: FROM LEASE ROAD TO THE EAST



OKLAHOMA NORTH, NAD-27  
SURFACE LOCATION  
SECTION: 260'FNL & 1260'FWL  
LAT: 35°30'29.18"  
LON: 99°42'45.61"  
X: 1490252.98  
Y: 189452.33  
LAT: 35.50810685  
LON: -99.71266996  
FIRST TAKE POINT  
SECTION: 330'FSL & 1370'FWL  
LAT: 35°30'35.02"  
LON: 99°42'44.29"  
X: 1490373.03  
Y: 190040.74  
LAT: 35.50972890  
LON: -99.71230154  
LAST TAKE POINT  
SECTION: 330'FNL & 1370'FWL  
LAT: 35°31'20.90"  
LON: 99°42'44.33"  
X: 1490450.76  
Y: 194678.51  
LAT: 35.52247172  
LON: -99.71221524  
BOTTOM HOLE  
SECTION: 250'FNL & 1370'FWL  
LAT: 35°31'21.69"  
LON: 99°42'44.34"  
X: 1490452.10  
Y: 194758.50  
LAT: 35.52269150  
LON: -99.71221547



- LEGEND
- SURFACE
  - PENETRATION PT.
  - FIRST TAKE
  - LAST TAKE
  - BOTTOM HOLE
  - EXISTING WELLS
  - PROPOSED WELLS
  - ▤ LEASE LINE



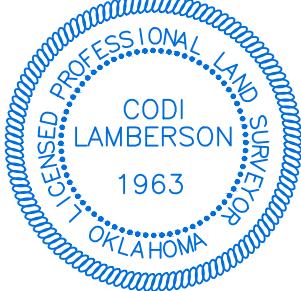
FILE: ORFS-700-210  
DATE: 5-17-2018  
SURVEYED BY: C.H.  
DRAWN BY: K.Y.  
CHECKED BY: C.L.

REVISION:		
1	JD	MOVED TAKE PTS.

I, CODI LAMBERSON, 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 SUPERVISION.

*Codi Lamberson*  
June 7, 2018

CODI LAMBERSON, P.L.S. 1963  
SURVEYED ON THE GROUND: MAY 15, 2018



(CA-7824 LS 7/31/2018)  
1503 S. BARNES, PAMPA, TX 79065  
O: 806.665.0770  
39350 IH-10 WEST, BOERNE, TX 78006  
O: 830.816.5009

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

BORE PATH INFORMATION PROVIDED BY LE NORMAN OPERATING, LLC  
OPEN RANGE FIELD SERVICES HAS NOT PERFORMED A SURVEY ON THE  
GROUND