

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

API NUMBER: 017 25235

Approval Date: 06/20/2018

Expiration Date: 12/20/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 23 Twp: 11N Rge: 8W

County: CANADIAN

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 315 330

Lease Name: KIM ANDERSON FARM

Well No: 1-23H

Well will be 315 feet from nearest unit or lease boundary.

Operator Name: CIMAREX ENERGY CO

Telephone: 9185851100

OTC/OCC Number: 21194 0

CIMAREX ENERGY CO  
202 S CHEYENNE AVE STE 1000  
TULSA, OK 74103-3001

KIM ANDERSON FARM, LLC  
21895 W. NORTH AVE  
BROOKFIELD WI 53045

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

Name	Depth	Name	Depth
1 WOODFORD	11510	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 671019

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201803818

Special Orders:

Total Depth: 16378

Ground Elevation: 1301

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 420

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

**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: 5000 Average: 3000

Is depth to top of ground water greater than 10ft below base of pit? N

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

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

PERMIT NO: 18-34560

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

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.

# HORIZONTAL HOLE 1

Sec 23 Twp 11N Rge 8W County CANADIAN

Spot Location of End Point: N2 NW NW NW

Feet From: NORTH 1/4 Section Line: 150

Feet From: WEST 1/4 Section Line: 330

Depth of Deviation: 10869

Radius of Turn: 800

Direction: 360

Total Length: 4252

Measured Total Depth: 16378

True Vertical Depth: 11653

End Point Location from Lease,  
Unit, or Property Line: 150

## Notes:

### Category

### Description

DEEP SURFACE CASING

5/23/2018 - 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

5/23/2018 - 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)

PENDING CD - 201803818

6/1/2018 - G57 - (I.O.) 23-11N-8W  
X671019 WDFD  
COMPL. INT. NCT 150' FSL, NCT 150' FNL, NCT 330' FWL  
NO OP. NAMED  
REC 6-18-2018 (DUNN)

SPACING - 671019

6/1/2018 - G57 - (640)(HOR) 23-11N-8W  
EXT 662553 WDFD, OTHER  
EXT OTHER  
POE TO BHL (WDFD) NLT 165' FNL & FSL, NCT 330' FEL & FWL  
(COEXIST WITH SP. ORDER #376959 WDFD)

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.

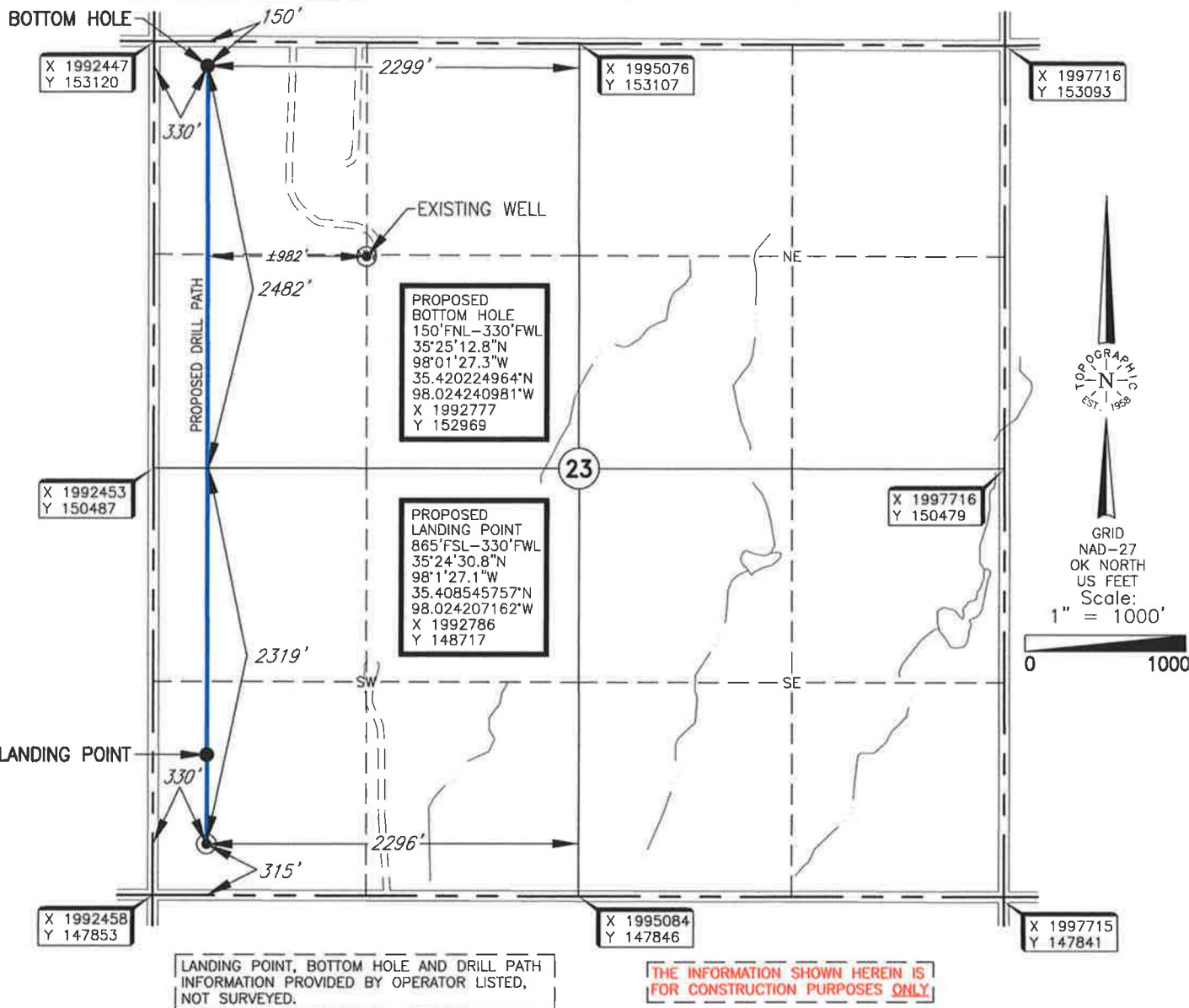
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

017 25235 KIM ANDERSON FARM 1-23H

CANADIAN

County, Oklahoma

315' FSL - 330' FWL Section 23 Township 11N Range 8W I.M.



Operator: CIMAREX ENERGY CO.

Lease Name: KIM ANDERSON FARM

Well No.: 1-23H

ELEVATION:

1301' Gr. at Stake (NGVD29)

Topography & Vegetation Location fell in sloped wheat field, 245' north of E-W pipeline.

Good Drill Site? Yes

Reference Stakes or Alternate Location  
Stakes Set None

Best Accessibility to Location From South off county road.

Distance & Direction

from Hwy Jct or Town From Union City, Ok., go ±4 miles West, then ±1 mile North, then ±1 mile West to the SW corner of Section 23, T11N - R8W.

DATUM: NAD-27

LAT: 35°24'25.3"N

LONG: 98°01'27.1"W

LAT: 35.407034787°N

LONG: 98.024203016°W

STATE PLANE

COORDINATES (US FEET):

ZONE: OK NORTH

X: 1992787

Y: 148167

Date of Drawing: May 10, 2018

Invoice # 293944

Date Staked: May 9, 2018

RKM

CERTIFICATE:

I, Thomas L. Howell an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein.

Oklahoma Reg. No. 1433

