

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

API NUMBER: 017 25350

Approval Date: 01/10/2019

Expiration Date: 07/10/2020

Horizontal Hole
Multi Unit

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 15 Twp: 14N Rge: 10W County: CANADIAN

SPOT LOCATION: W2 NE NE NE FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 330 450

Lease Name: MEL BIA

Well No: 1H-1003X

Well will be 330 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

JAMESON SISTERS, LLC
123 FALLIGANT AVE
C/O GAYLA BENNETT
SAVANNAH GA 31410

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

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

Spacing Orders: 666315
592229

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201809847
201809846
201809848
201809850

Special Orders:

Total Depth: 22458

Ground Elevation: 1442

Surface Casing: 400

Depth to base of Treatable Water-Bearing FM: 220

Under Federal Jurisdiction: Yes

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: 10000 Average: 5000

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

Within 1 mile of municipal water well? Y

Wellhead Protection Area? Y

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-35462
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 03 Twp 14N Rge 10W County CANADIAN

Spot Location of End Point: N2 NE NE NE

Feet From: NORTH 1/4 Section Line: 150

Feet From: EAST 1/4 Section Line: 330

Depth of Deviation: 11404

Radius of Turn: 574

Direction: 3

Total Length: 10154

Measured Total Depth: 22458

True Vertical Depth: 11970

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

Notes:

Category

Description

HYDRAULIC FRACTURING

12/18/2018 - GB1 - 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; 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

INTERMEDIATE CASING

12/18/2018 - GB1 - DUE TO THE KNOWN POTENTIAL RISK OF ENCOUNTERING AN OVER-PRESSURED ZONE IN THE MORROW SERIES IN THIS AREA, THE TECHNICAL MANAGER RECOMMENDS SETTING AN INTERMEDIATE STRING OF CASING IMMEDIATELY ABOVE THE MORROW SERIES

PENDING CD - 201809846

1/8/2019 - G58 - (I.O.) 3 & 10-14N-10W
EST MULTIUNIT HORIZONTAL WELL
X592229 WDFD
X666315 WDFD
50% 10-14N-10W
50% 3-14N-10W
NO OP. NAMED
REC 12/17/2018 (JOHNSON)

PENDING CD - 201809847

1/8/2019 - G58 - (I.O.) 3 & 10-14N-10W
X592229 WDFD
X666315 WDFD
COMPL. INT. (10-14N-10W) NCT 0' FNL, NCT 150' FSL, NCT 330' FEL
COMPL. INT. (3-14N-10W) NCT 0' FSL, NCT 150' FNL, NCT 330' FEL
NO OP. NAMED
REC 12/17/2018 (JOHNSON)

PENDING CD - 201809848

1/8/2019 - G58 - 3-14N-10W
X592229 WDFD
1 WELL
NO OP. NAMED
REC 12/17/2018 (JOHNSON)

PENDING CD - 201809850

1/8/2019 - G58 - (I.O.) 3-14N-10W
X165:10-3-28(C)(2)(B) WDFD (MEL BIA 1H-1003X)
MAY BE CLOSER THAN 600' TO CHRISTENSEN 1-3H WELL
REC 12/17/2018 (JOHNSON)

PUBLIC WATER SUPPLY WELL

12/18/2018 - GB1 - 1 PWS (GEARY)- NW4 10-14N-10W

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

017 25350 MEL BIA 1H-1003X

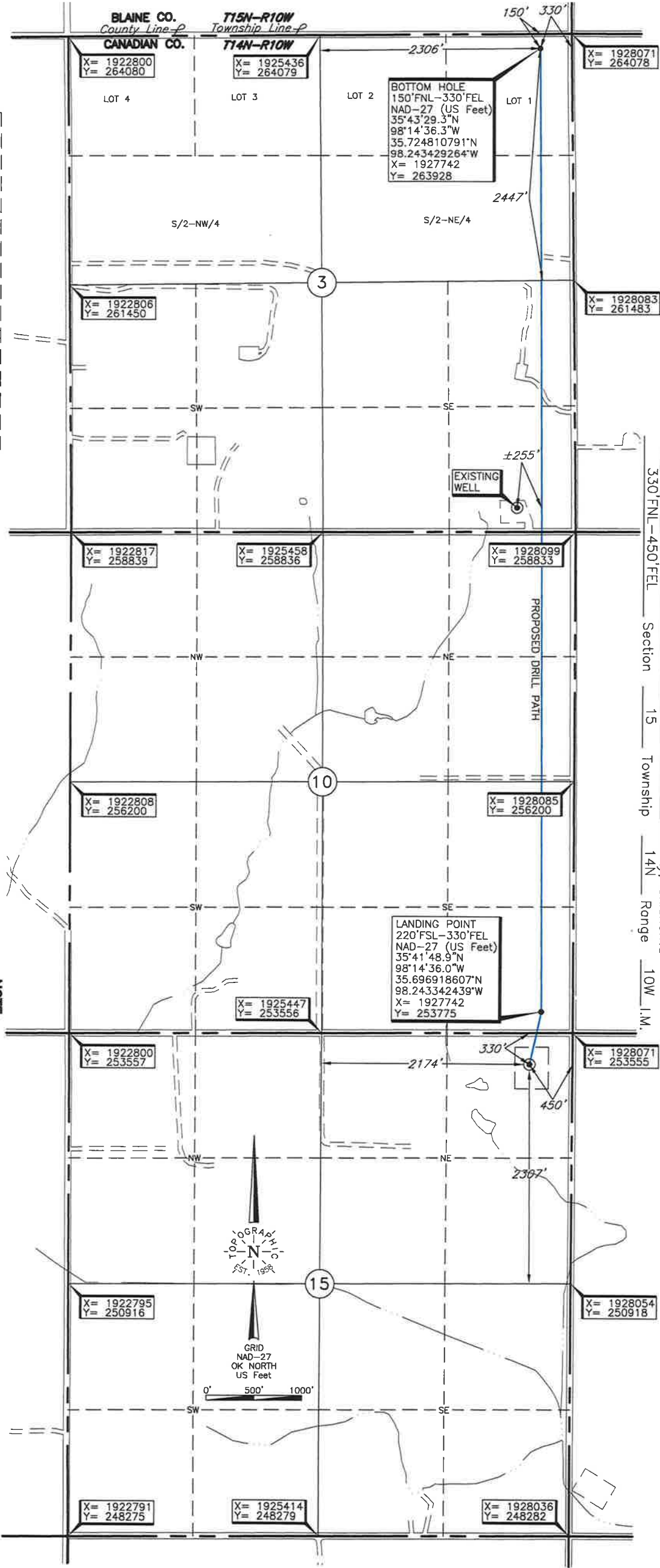
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Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

Category	Description
SPACING - 592229	1/8/2019 - G58 - (640) 3-14N-10W EXT 587156 WDFD, OTHERS
SPACING - 666315	1/8/2019 - G58 - (640)(HOR) 10-14N-10W EST WDFD, OTHER COMPL. INT. (WDFD) NLT 165' FNL/FSL, NLT 330' FEL/FWL

330'FNL-450'FEL Section 15 Township 14N Range 10W I.M.

017-25350



LANDING POINT, BOTTOM HOLE, AND DRILL PATH INFORMATION
PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

ELEVATION:
1442' Gr. at Stake NGVD29

NOTE:
The information shown herein is for construction purposes ONLY

Operator: CIMAREX ENERGY CO.
Lease Name: MEL BIA
Topography & Vegetation Loc. fell in sloping posture.
Good Drill Site? Yes
Reference Stakes or Alternate Location
Stakes Set None
Best Accessibility to Location From North off county road.
Distance & Direction From Geary, OK go ± 0.5 mile North, then ± 0.25 mile East, then ± 4 miles North, then ± 4 miles East to the NE Cor. of Sec. 15-T14N-R10W.

DATUM: NAD-27
LAT: 35°41'43.5"N
LONG: 98°14'37.5"W
LAT: 35.695406783°N
LONG: 98.243753323°W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 1927619
Y: 253225

This information was gathered with a GPS receiver with ± 1 foot Horiz./Vert. accuracy.

Invoice # 300826 Date of Drawing: Aug. 28, 2018
Date Staked: Aug. 16, 2018
TR

CERTIFICATE:

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

Thomas L. Howell
Oklahoma Lic. No. 1433

