

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

API NUMBER: 017 25205

Approval Date: 04/05/2018  
Expiration Date: 10/05/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 36 Twp: 11N Rge: 8W

County: CANADIAN

SPOT LOCATION:  NW  NW  NW  NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 240 255

Lease Name: ELDER

Well No: 9H-2623X

Well will be 240 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

SCHIEBER FAMILY FARMS, LLC.  
5225 S. HWY. 81  
UNION CITY OK 73090

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	11197	6	
2	WOODFORD	11510	7	
3	HUNTON	11650	8	
4			9	
5			10	

Spacing Orders: 671019  
660367  
673257

Location Exception Orders: 673258

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 22297

Ground Elevation: 1281

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 370

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? 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 ALLUVIAL

Pit Location Formation: ALLUVIUM

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

PERMIT NO: 18-34221

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: NW NE NE NE

Feet From: NORTH 1/4 Section Line: 150

Feet From: EAST 1/4 Section Line: 400

Depth of Deviation: 11062

Radius of Turn: 750

Direction: 355

Total Length: 10057

Measured Total Depth: 22297

True Vertical Depth: 11650

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

Notes:

Category	Description
DEEP SURFACE CASING	4/3/2018 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING
HYDRAULIC FRACTURING	4/3/2018 - 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: <a href="http://OCCEWEB.COM/OG/OGFORMS.HTML">OCCEWEB.COM/OG/OGFORMS.HTML</a> ; 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: <a href="http://FRACFOCUS.ORG">FRACFOCUS.ORG</a>
LOCATION EXCEPTION - 673258	4/4/2018 - G75 - (I.O.) 26 & 23-11N-8W X671019 MSSP, HNTN 26-11N-8W X660367 WDFD 26-11N-8W X671019 MSSP, WDFD, HNTN 23-11N-8W COMPL. INT. (26-11N-8W) NCT 150' FSL, NCT 0' FNL, NCT 400' FEL COMPL. INT. (23-11N-8W) NCT 0' FSL, NCT 150' FNL, NCT 400' FEL NO OP. NAMED 2-7-2018
SPACING - 660367	4/4/2018 - G75 - (640)(HOR) 26-11N-8W EST WDFD POE TO BHL NCT 165' FNL & FSL, NCT 330' FEL & FWL
SPACING - 671019	4/4/2018 - G75 - (640)(HOR) 26 & 23-11N-8W EXT 662553 MSSP 26 & 23-11N-8W EXT 662553 WDFD 23-11N-8W EXT 661734 HNTN 26 & 23-11N-8W COMPL. INT. (MSSP, HNTN) NLT 660' FB COMPL. INT. (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL (COEXIST SP. ORDER # 127075/128028 HNTN, ORDER # 134394 MSSLM, ORDER # 258100 CSTR & ORDER # 376959 WDFD 23-11N-8W; SP. ORDER # 144210 MSSLM, HNTN 26-11N-8W)
SPACING - 673257	4/4/2018 - G75 - (I.O.) 26 & 23-11N-8W EST MULTIUNIT HORIZONTAL WELL X671019 MSSP, HNTN 26-11N-8W X660367 WDFD 26-11N-8W X671019 MSSP, WDFD, HNTN 23-11N-8W (MSSP, HNTN ASSOCIATED COMMON SOURCES OF SUPPLY TO WDFD) 50% 26-11N-8W 50% 23-11N-8W NO OP. NAMED 2-7-2018

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**TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA**

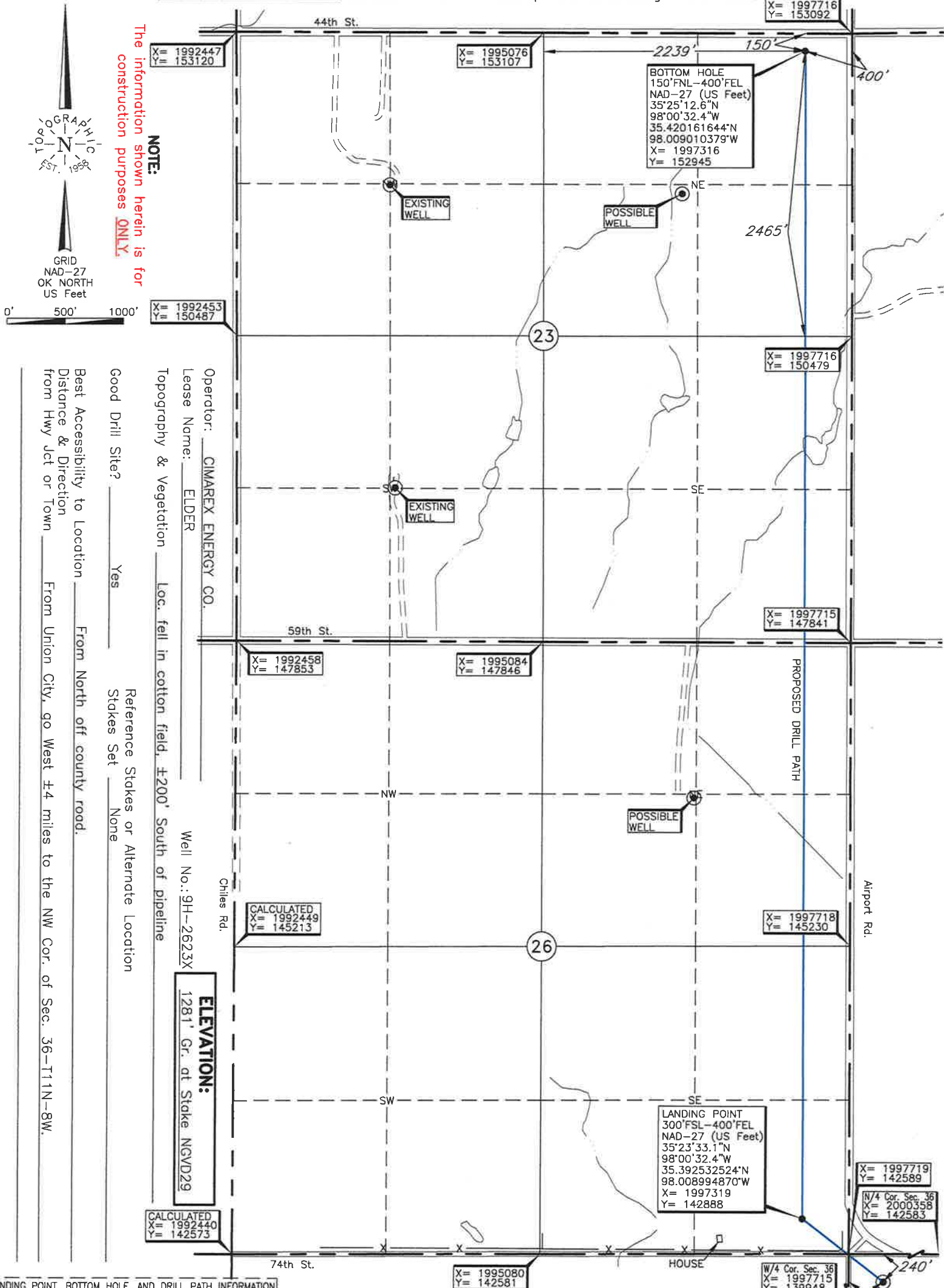
13800 WIRELESS WAY, OKLA. CITY, OKLA. 73134 \* LOCAL (405) 843-4847 \* OUT OF STATE (800) 654-3219  
 Certificate of Authorization No. 1293 LS

API 017-25205

CANADIAN

County, Oklahoma

240'FNL-255'FWL Section 36 Township 11N Range 8W I.M.



**NOTE:**  
 The information shown herein is for construction purposes ONLY.

Operator: CIMAREX ENERGY CO.  
 Lease Name: ELDER  
 Topography & Vegetation: Loc. fell in cotton field, ±200' South of pipeline  
 Well No.: 9H-2623X  
 ELEVATION: 1281' Gr. at Stake NGVD29  
 Reference Stakes or Alternate Location: Stakes Set None  
 Good Drill Site? Yes  
 Best Accessibility to Location: From North off county road.  
 Distance & Direction from Hwy Jct or Town: From Union City, go West ±4 miles to the NW Cor. of Sec. 36-11N-8W.

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

DATUM: NAD-27  
 LAT: 35°23'27.8"N  
 LONG: 98°00'24.5"W  
 LAT: 35.391050694°N  
 LONG: 98.006798014°W  
 STATE PLANE  
 COORDINATES: (US Feet)  
 ZONE: OK NORTH  
 X: 1997974  
 Y: 142348

Date of Drawing: Mar. 14, 2018  
 Invoice # 290625 Date Staked: July 25, 2017 TR

**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

*Thomas L. Howell*  
 Oklahoma Lic. No. 1433

