

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

API NUMBER: 017 25210

Approval Date: 04/11/2018

Expiration Date: 10/11/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 24 Twp: 11N Rge: 8W

County: CANADIAN

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 240 220

Lease Name: SWEENEY

Well No: 8-24H

Well will be 220 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

OMA BELLE AKERS TRUST  
BOX 452  
BLANCHARD OK 73010

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

| Name       | Depth | Name | Depth |
|------------|-------|------|-------|
| 1 WOODFORD | 11330 | 6    |       |
| 2          |       | 7    |       |
| 3          |       | 8    |       |
| 4          |       | 9    |       |
| 5          |       | 10   |       |

Spacing Orders: 662553

Location Exception Orders:

Increased Density Orders: 676143

Pending CD Numbers: 201800595

Special Orders:

Total Depth: 16044

Ground Elevation: 1342

**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: 10000 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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: DOG CREEK

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

PERMIT NO: 17-33087

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 24 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: 10841

Radius of Turn: 504

Direction: 358

Total Length: 4412

Measured Total Depth: 16044

True Vertical Depth: 11330

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 OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING  |
| HYDRAULIC FRACTURING       | 4/3/2018 - G71 - OCC 165:10-3-10 REQUIRES:<br><br>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;<br><br>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,<br><br>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> |
| INCREASED DENSITY - 676143 | 4/11/2018 - G60 - 24-11N-8W<br>X662553 WDFD<br>6 WELLS<br>NO OP. NAMED<br>4/11/18  |
| PENDING CD - 201800595     | 4/11/2018 - G60 - (I.O.) 24-11N-8W<br>X662553 WDFD<br>COMPL. INT. NCT 150' FSL, NCT 150' FNL, NCT 330' FEL<br>NO OP. NAMED<br>REC. 4/2/18 (DUNN)   |
| SPACING - 662553           | 4/11/2018 - G60 - (640)(HOR) 24-11N-8W<br>EXT 646343 WDFD<br>COMPL. INT. NLT 165' FNL/FSL, NLT 330' FEL/FWL<br>(COEXIST WITH SP. ORDER 380183 WDFD)  |

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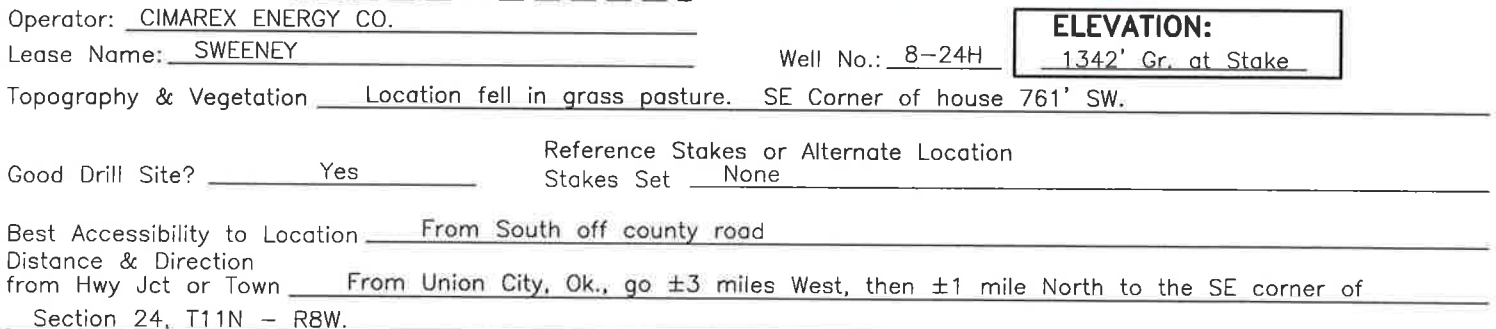
017 25210 SWEENEY 8-24H

6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 \* LOCAL (405) 843-4847 \* OUT OF STATE (800) 654-3219  
Certificate of Authorization No. 1293 LS

CANADIAN

County, Oklahoma

240'FSL - 220'FEL Section 24 Township 11N Range 8W I.M.



This information was gathered with a GPS receiver with  $\pm 1$  foot Horiz./Vert. accuracy

DATUM: NAD-27  
LAT: 35°24'24.8"N  
LONG: 97°59'26.7"W  
LAT: 35.406879695°N  
LONG: 97.990758296°W  
STATE PLANE  
COORDINATES: (US Feet)  
ZONE: OK NORTH  
X: 2002755  
Y: 148110

Date of Drawing: August 2, 2017  
Invoice # 279006B Date Staked: July 25, 2017 RKM

**CERTIFICATE:**  
I, T. Wayne Fisch an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein  
T. Wayne Fisch  
Oklahoma Lic. No. 1378

