

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

API NUMBER: 017 24696

Approval Date: 09/03/2014
Expiration Date: 03/03/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 36 Twp: 11N Rge: 8W County: CANADIAN
SPOT LOCATION: N2 NE NE SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 2490 330

Lease Name: STRAKA Well No: 1H-36X 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

GARY & MARGARET STRAKA
9305 REFORMATORY STREET
UNION CITY OK 73090

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	10200	6	
2	WOODFORD	11400	7	
3			8	
4			9	
5			10	

Spacing Orders: 595379

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201405765
201405763
201405764

Special Orders:

Total Depth: 19042 Ground Elevation: 1273 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 380

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 100000 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

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 14-27988

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 25 Twp 11N Rge 8W County CANADIAN

Spot Location of End Point: N2 NE NE NE

Feet From: NORTH 1/4 Section Line: 1

Feet From: EAST 1/4 Section Line: 330

Depth of Deviation: 10999

Radius of Turn: 478

Direction: 360

Total Length: 7292

Measured Total Depth: 19042

True Vertical Depth: 11400

End Point Location from Lease,
Unit, or Property Line: 1

Notes:

Category	Description
DEEP SURFACE CASING	9/2/2014 - G76 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING
PENDING CD - 201405763	9/2/2014 - G75 - (640)(HOR) 25 & 36-11N-8W VAC 144210 MSSLM 25-11N-8W ++ VAC 98732 MSSLM 36-11N-8W ** EXT 595379 WDFD 25-11N-8W EST MSSP 25 & 36-11N-8W COMPL. INT. (MSSP) NLT 660' FB COMPL. INT. (WDFD) NLT 165 FNL & FSL, NLT 330 FEL & FWL REC 8-29-2014 (JOHNSON) ++ S/B VAC 144210 MSSLM & 258100 CSTR 25-11N-8W; TO BE CORRECTED IN ORDER SUBMITTED TO OCC FOR REVIEW PER ATTORNEY FOR OPERATOR ++ S/B VAC 98732 CSTR, MSSLM 36-11N-8W; TO BE CORRECTED IN ORDER SUBMITTED TO OCC FOR REVIEW PER ATTORNEY FOR OPERATOR
PENDING CD - 201405764	9/2/2014 - G75 - (I.O.)(640) 25 & 36-11N-8W EST MULTIUNIT HORIZONTAL WELL X201405763 WDFD 25-11N-8W X201405763 MSSP 25 & 36-11N-8W X595379 WDFD 36-11N-8W (MSSP ASSOCIATED COMMON SOURCE OF SUPPLY TO WDFD) 66% 25-11N-8W 34% 36-11N-8W NO OP. NAMED REC 8-29-2014 (JOHNSON)
PENDING CD - 201405765	9/2/2014 - G75 - (I.O.) 25 & 36-11N-8W X201405763 MSSP, WDFD 25-11N-8W X595379 WDFD 36-11N-8W X201405763 MSSP 36-11N-8W SHL NCT 2490 FSL, NCT 330 FEL 36-11N-8W COMPL. INT. (36-11N-8W) NCT 2640 FSL, NCT 0 FNL, NCT 330 FEL COMPL. INT. (25-11N-8W) NCT 0 FSL, NCT 165 FNL, NCT 330 FEL NO OP. NAMED REC 8-29-2014 (JOHNSON)
SPACING - 595379	9/2/2014 - G75 - (640)(HOR) 36-11N-8W EXT 587488 WDFD POE TO BHL NCT 165 FNL & FSL, NCT 330 FEL & FWL

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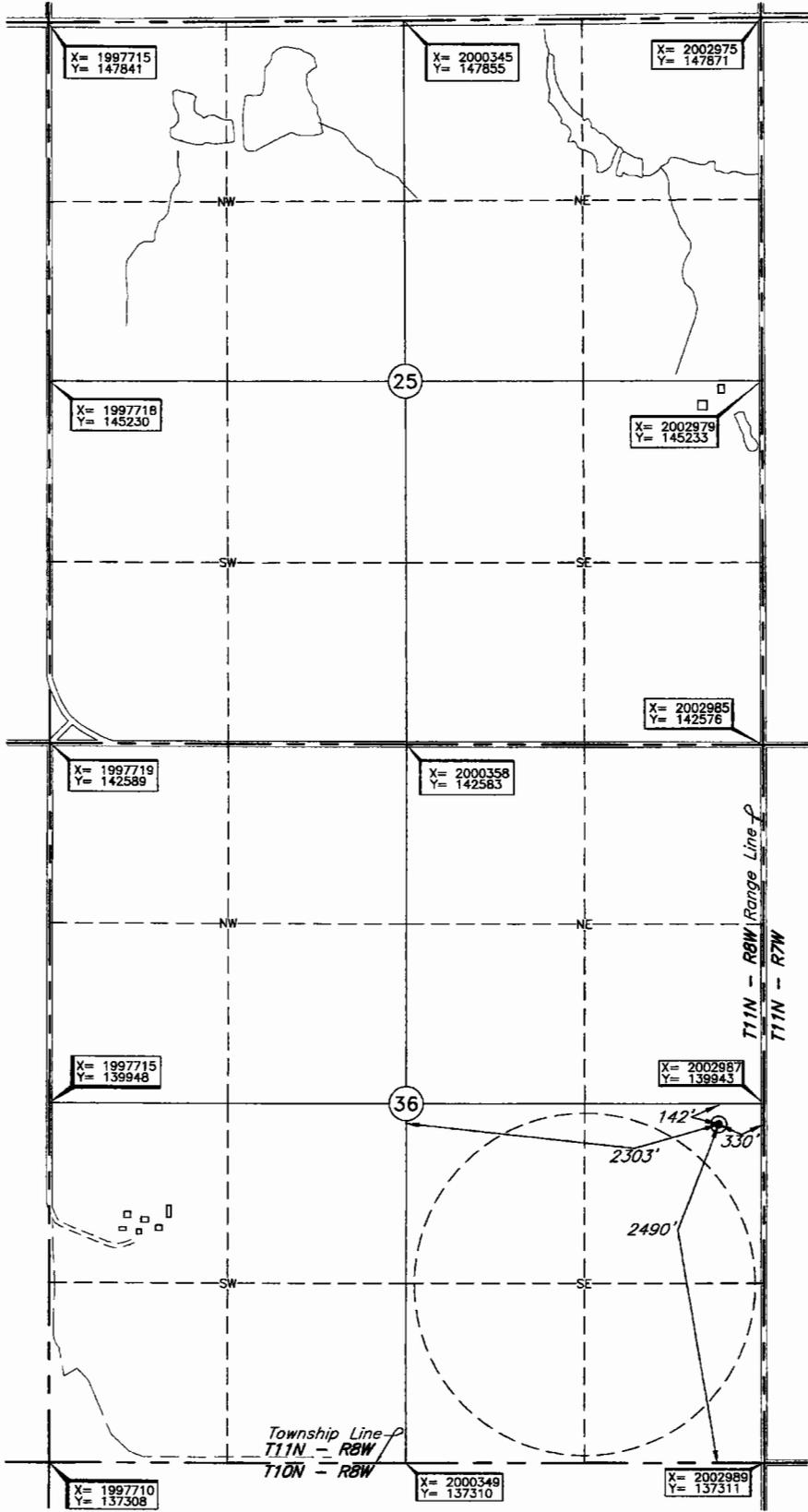
CANADIAN County, Oklahoma

2490'FSL - 330'FEL Section 36 Township 11N Range 8W I.M.

API 017-24696



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



Operator: CIMAREX ENERGY CO.
 Lease Name: STRAKA
 Topography & Vegetation: Loc. fell in level cotton field, ±284' NE of last wheel track of pivot irrigation
 Good Drill Site? Yes
 Reference Stakes or Alternate Location: Stakes Set
 Well No.: 1H-36X
 ELEVATION: 1273' Gr. at Stake
 Best Accessibility to Location: From East of county road
 Distance & Direction: From St. Hwy. 152 East and US Hwy. 81 at Union City, OK, go ±3.0 mi. West, then ±1.0 mi. South to the SE Cor. of Sec. 36-T11N-R8W

DATUM: NAD-27
 LAT: 35°23'02.6"N
 LONG: 97°59'27.9"W
 STATE PLANE COORDINATES: (US Feet)
 ZONE: OK NORTH
 X: 2002657
 Y: 139801

Date of Drawing: Jul. 25, 2014
 Invoice # 227324 Date Staked: Jul. 22, 2014 AC

CERTIFICATE:
 I, Thomas L. Howell a 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

