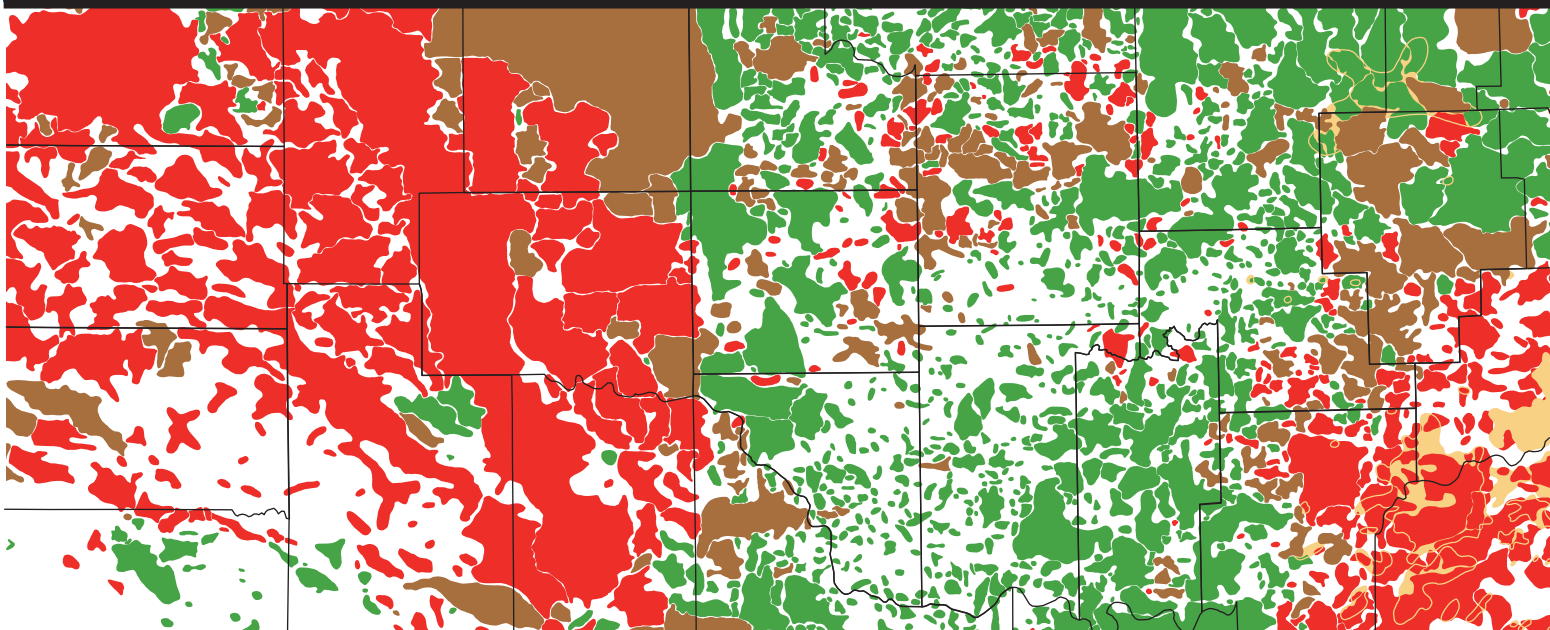


Map GM-39  
**OKLAHOMA OIL AND GAS FIELDS**  
(DISTINGUISHED BY GAS TO OIL RATIO AND  
CONVENTIONAL GAS VS. COALBED METHANE)



## MAP SUPPLEMENT

Map explanation

List of revised field names (sorted by original name)

List of added fields

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2015

# Oklahoma Oil and Gas Fields (Distinguished by Gas to Oil Ratio and Conventional Gas vs. Coalbed Methane)

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## Introduction

This map is an update of Dan T. Boyd's GM 36 (2002) and Margaret R. Burchfield's GM 28 (1985). It shows areas of oil, gas, and coalbed methane production in Oklahoma. The field colors on the map represent a calculated gas to oil ratio (GOR, cubic feet of gas per barrel of oil) based on cumulative production figures reported by IHS. Green signifies oil fields (GOR < 5,000); brown denotes oil and gas fields (GOR ≥ 5,000 and ≤ 20,000); and for GOR > 20,000, red indicates conventional gas fields, whereas orange signifies coalbed methane (CBM) fields. Active, abandoned, producing, and non-producing fields are not distinguished on this map. All field locations are listed by township and range. The townships and ranges with N, S, E, and W directions use the Indian Meridian. When "C" is used in the range column, the Cimarron Meridian is used (only in the Panhandle).

## Data

All well data and most of the production data, except for CBM, were supplied by IHS. Historical data from GM 36 was used when no production data were available. The CBM data used in this map come from a database maintained by OGS geologist Brian J. Cardott.  
(<http://www.ogs.ou.edu/coaldb.php>)

It does not contain wells with significant non-coal contributions.

IHS well and production data were used to construct this map. In some cases, field names attributed to specific wells in the IHS production database are different than the field names listed in the IHS wells database for the same well. In such cases, the field names cited in the well database are used. Wells with IHS's Status Final Codes 0 (dry hole, temporarily abandoned), 8 (junked and abandoned well), 9 (injection, service, water-disposal well, CO<sub>2</sub>, storage, pseudo-original well, mining borehole), A (abandoned location), D (injection well), L (permitted well), S (suspended well), and W (water supply) were removed prior to map construction.

## Map construction

Guidelines given by Boyd (2002) for GM 36 map construction were also followed for this map. All fields were hand drawn in ArcGIS 10.2.2. Lines were not allowed to overlap, other than in major gas areas in Cimarron, Texas, Beaver, and Kay Counties. When overlap occurred outside of major gas areas, clear boundaries were made and space was left between the fields. When overlap was extreme, fields were combined. Wells in unnamed fields within 2 ½ miles of an established field were added into the established field. If located over 2 ½ miles

from an established field, then a field name was assigned. Unnamed fields were labeled as Unnamed and given a corresponding number; wildcats were labeled as Wildcat and given a corresponding number; and if a new field was named in IHS then the name was kept as long as there were no previous fields of that name. Fields that were either removed or added after the publication of GM 36 are listed in the attached appendixes.

In contrast to GM 36, CBM fields are not named on this map. The Oklahoma Corporation Commission reports CBM wells by county, not field. Due to the continuous nature of coalbed methane producing areas, the fields are drawn as continuous as the data and geology allow.

## Sources

IHS, Inc.  
<https://www.ihs.com/>

GM 28  
<http://ogs.ou.edu/fossilfuels/MAPS/GM-28.zip>

GM 36  
<http://ogs.ou.edu/fossilfuels/MAPS/GM-36.pdf>

OGS CBM well database  
<http://www.ogs.ou.edu/coaldb.php>

## Appendix 1. Revised fields

ORIGINAL FIELD NAME	REVISED FIELD NAME
ALTONA DISTRICT	ALTONA
ARKARCHE NORTH	WESLEY WEST
ARNOLDVIEW NORTH	WAYNE SOUTHWEST
ARNOLDVIEW NORTHWEST	WAYNE SOUTHWEST
AUTWINE SOUTHEAST	AUTWINE
BARBER EAST	GARBER EAST
BAUM NORTH	BAUM
BEAVER WEST	FLORIS SOUTHEAST
BEBEE-SOUTHEAST KONAWA	BEBEE-KONAWA SOUTHWEST
BENMARTIN	TULLAHASSEE DISTRICT
BERLIN SOUTHEAST	ELK CITY
BIG POND EAST	BIG POND DISTRICT EAST
BILLINGS SOUTH	BILLINGS EAST
BINGHAM SOUTH	BIGHAM
BIRCH CREEK SOUTH	WYNONA SOUTH
BLACK DOG EAST	BLACK DOG WEST
BOAR CREEK	OSAGE CITY
BRAMAN SOUTH	BRAMAN DISTRICT SOUTHEAST
BRAMAN SOUTHEAST	BRAMAN DISTRICT SOUTHEAST
BRANCH NORTHEAST	E-B RANCH NORTH
BRISTOW EAST	BRISTOW
BROOKSVILLE NORTHWEST	TECUMSEH WEST
BRYON SOUTH	BYRON SOUTH
BRYON SOUTHEAST	BYRON SOUTHEAST
BURDGE	DAGUE
BURLING WEST	BURLINGTON WEST
CARTER	CARTER NORTH
CARTHAGE	CARTHAGE GAS AREA
CEDAR SPRINGS	OKEENE NORTHWEST
CHILES DOME SOUTHEAST	CHILES DOME
CHOATE PRAIRIE	SCIPIO NORTHWEST
CIMMARRON CITY EAST	GUTHRIE WEST
CLARK CREEK	CLARK CREEK EAST
CLEAR LAKE WEST	CLEAR LAKE DISTRICT WEST
CLINTON DISTRICT	CLINTON
COFFEYVILLE	MOUNDS DISTRICT
COFFEYVILLE SOUTHEAST	COFFEYVILLE SOUTH
CORN	COLONY NORTHWEST
COVINGTON NORTH	COVINGTON WEST
CRAWFORD	CRAWFORD NORTHWEST
CRUCA WEST	CRUCE WEST

REMOVED FIELD	REVISED FIELD NAME
DACOMA	CHEROKEE WEST
DALE	DALE WEST
DAVENPORT NORTHWEST	DAVENPORT NORTH
DOWER EAST	CAMRICK DISTRICT
DOWER NORTH	CAMRICK DISTRICT
DOWER SOUTHEAST	CAMRICK DISTRICT
DUNCAN EAST	STAGE STAND SOUTHEAST
EDMOND EAST	EDMOND NORTHEAST
ERICK GAS AREA	ERICK GAS AREA SOUTH
ERICK SOUTH	ERICK GAS AREA SOUTH
EVANSVILLE WEST	EVANSVILLE EAST
FREEDOM SOUTH	WAYNOKA NORTHEAST
GARBER SOUTH	GARBER SOUTHWEST
GERTY SOUTHEAST	GERTY EAST
GIBBON SPUR NORTH	GIBBON SPUR NORTHEAST
GIBBON SPUR WEST	GIBBON SPUR NORTHWEST
GILBERT SOUTHEAST	GILBERT SOUTH
GRIGGS	GRIGGS SOUTHEAST
HAILEYVILLE	HAILEYVILLE SOUTHWEST
HELSEL	HELSEL NORTH
HENRYETTA EAST	HENRYETTA DISTRICT
HESTOR	HECTOR
HILL NORTHWEST	NEWALLA SOUTHWEST
HITCHITA	HITCHITA NORTHEAST
HITCHLAND	HITCHLAND NORTH
HITCHLAND WEST	GUYMON-HUGOTON GAS AREA
HURRAH NORTH	HARRAH NORTH
HURRAH SOUTH	ORCHARD CITY NORTHEAST
IVAN	SOONER TREND
JACKSONVILLE NORTHWEST	JOHNSONVILLE WEST
JOHNSONVILLE NORTHWEST	JOHNSONVILLE WEST
JONES SOUTHWEST	JONES
KELLYVILLE DISTRICT NORTH	KELLYVILLE DISTRICT
KENNAN SOUTHWEST	KEENAN SOUTHWEST
KEOKUK NORTHWEST	PRAGUE SOUTH
KEYES DOME	KEYES GAS AREA
KEYES DOME SOUTH	KEYES GAS AREA
LANGSTON NORTHWEST	LANGSTON WEST
LANGSTON TOWNSITE SOUTHWEST	LANGSTON SOUTHWEST
LAUDERDALE SOUTHEAST	LAUDERDALE
LAWRIE	LAWRIE WEST
LEEDEY SOUTHEAST	LEEDEY
LIBERTY HILL WEST	TECUMSEH NORTHEAST
LOLAND NORTHWEST	IOLAND NORTHWEST

REMOVED FIELD	REVISED FIELD NAME
LONE GROVE	LONE GROVE SOUTH
LONG BRANCH NORTHWEST	INGALLS SOUTH
MARCH WEST	MARCH NORTH
MARLOW TOWNSITE	MARLOW DISTRICT
MASHAM WEST	MASHAM
MAYFIELD NORTHWEST	MAYFIELD NORTHEAST
MCALESTER NORTHEAST	MCALESTER
MEYERS	MYERS
MEYERS NORTHEAST	MYERS NORTHEAST
MIDLER	MILDER
MOCANE-LAVERNE	MOCANE-LAVERNE GAS AREA
MORLOW WEST	MARLOW WEST
MOUNTAIN VIEW	MOUNTAIN VIEW WEST
MUSTANG	YUKON NORTHWEST
MUSTANG EAST	MUSTANG NORTH
NEDAGUE	DAGUE
NELLIE NORTH	NELLIE DISTRICT NORTH
NEWCASTLE	NEWCASTLE EAST
OAKMAN WEST	OAKMAN DISTRICT
OKEENE	OAKWOOD NORTH
OKFUSKEE NORTHWEST	OKFUSKEE TOWNSITE
OLIVE NEW	OLIVE
OLIVET SOUTH	PRAIRIE GEM
ORION NORTHWEST	ORION NORTHEAST
PALACINE NORTHWEST	PALACINE NORTH
PARADISE WEST	PARADISE NORTH
PAWNEE	PAWNEE RESERVATION
PAXTON	PAXTON EAST
PEARL SOUTHEAST	ROYAL WEST
PECK SOUTH	PEEK SOUTH
PETTIT SOUTHEAST	PENN CREEK
PHROSO NORTHWEST	PHROSO NORTHEAST
PIEDMONT	RICHLAND
PINE HOLLOW	PINE HOLLOW SOUTH
PONCA CITY TOWNSITE	PONCA CITY
POND CREEK NORTHEAST	GRANT-POND CREEK NORTHEAST
POND CREEK SOUTHEAST	GRANT-POND CREEK SOUTHEAST
POOR FARM WEST	DEPEW
PRIARIE GEM NORTH	PRAIRIE GEM
PRIARIE SPRINGS	PRIARIE SPRINGS SOUTHWEST
PUTNAM SOUTH	PUTNAM
RAIFORD	SCIPIO NORTHWEST
RALSTON SOUTH	RALSTON DISTRICT
READING SOUTH	REEDING SOUTH

REMOVED FIELD	REVISED FIELD NAME
RETROP SOUTHWEST	MORAVIA EAST
RINER	DELAWARE-CHILDERS
ROCK CREEK	MASHAM
ROCKFORD SOUTH	ROCKY FORD SOUTH
RUSSELL SOUTH	LANGSTON WEST
SAINT JOHNS NORTH	SAINT JOHN NORTH
SALEM NORTHWEST	SALEM SOUTHWEST
SAMPSEL SOUTHEAST	SAMPSEL NORTHEAST
SANCHO NORTHEAST	SANCHO NORTH
SAVANNA NORTHWEST	SAVANNA NORTHEAST
SHAMROCK WEST	SHAMROCK DISTRICT WEST
SHARON	SHARON NORTH
SICKLE SOUTH	SICKLES NORTH
SOPASCO	WOODFORD SOUTH
SPIRO NORTHEAST	SCIPIO NORTHWEST
SPRING VALLEY	HUNTER SOUTH
STAFFORD SOUTHEAST	STAFFORD
STURGIS	STURGIS EAST
SUNNY SLOPE	SUNNY SLOPE NORTHEAST
SYLVIAN NORTH	SYLVIAN
TRIVOLI NORTHEAST	ORION SOUTHEAST
TUTTLE-KEPPEL	TUTTLE-KEPPEL
VANOSS WEST	LEWIS NORTHEAST
WANN EAST	ULAN EAST
WATERLOO DISTRICT	EDMOND NORTHEAST
WAYNOKA	WAYNOKA NORTHEAST
WAYNOKA NORTHWEST	WAYNOKA NORTHEAST
WAYNOKA RIDGE	WAYNOKA SOUTH
WEST-HITCH LAND	HARDESTY WEST
WETUMKA DISTRICT NORTHEAST	WETUMKA DISTRICT EAST
WEWOKA DISTRICT NORTHEAST	WEWOKA NORTHEAST
WHITE EAGLE	WHITE EAGLE NORTHWEST
WHITE EAGLE NORTH	WHITE EAGLE
WILBURTON EAST	WILBURTON SOUTH
WILLOW-GARVIN NORTHWEST	WILLOW-GARVIN
WOODBURN SOUTH	MOCANE-LAVERNE GAS AREA
WYNNEWOOD NORTHEAST	NAHOLA NORTHEAST
YUKON	YUKON NORTHWEST

## Appendix 2. Added Fields

<b>FIELD NUMBER</b>	<b>FIELD NAME</b>
912	ENVILLE SOUTHEAST
964	FLEETWOOD SOUTH
1203	HANCOCK
1360	HUNNEWELL SOUTH
1910	NASON
2341	RED RIVER
2820	UNNAMED 1
2822	UNNAMED 3
2823	UNNAMED 4
2824	UNNAMED 5
2827	UNNAMED 8
2828	UNNAMED 9
2830	UNNAMED 11
2835	UNNAMED 16
2840	UNNAMED 21
2841	UNNAMED 22
2843	UNNAMED 24
2851	UNNAMED 32
2852	UNNAMED 33
2853	UNNAMED 34
2854	UNNAMED 35
2855	UNNAMED 36
2856	UNNAMED 37
2857	UNNAMED 38
2858	UNNAMED 39
2859	UNNAMED 40
2860	UNNAMED 41
2861	UNNAMED 42
2863	UNNAMED 44
2864	UNNAMED 45
2865	UNNAMED 46
2866	UNNAMED 47
2867	UNNAMED 48
2869	UNNAMED 50
2870	UNNAMED 51
2872	UNNAMED 53
2873	UNNAMED 54
2879	UNNAMED 60
2882	UNNAMED 63
2886	UNNAMED 64



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2892	UNNAMED 73
2897	UNNAMED 78
2899	UNNAMED 80
2900	UNNAMED 81
2901	UNNAMED 82
2909	UNNAMED 90
2911	UNNAMED 92
3080	WILDCAT 1
3081	WILDCAT 2
3082	WILDCAT 3
3083	WILDCAT 4
3084	WILDCAT 5
3085	WILDCAT 6
3086	WILDCAT 7
3087	WILDCAT 8
3088	WILDCAT 9

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