OIL AND GAS FIELDS MAP OF UTAH

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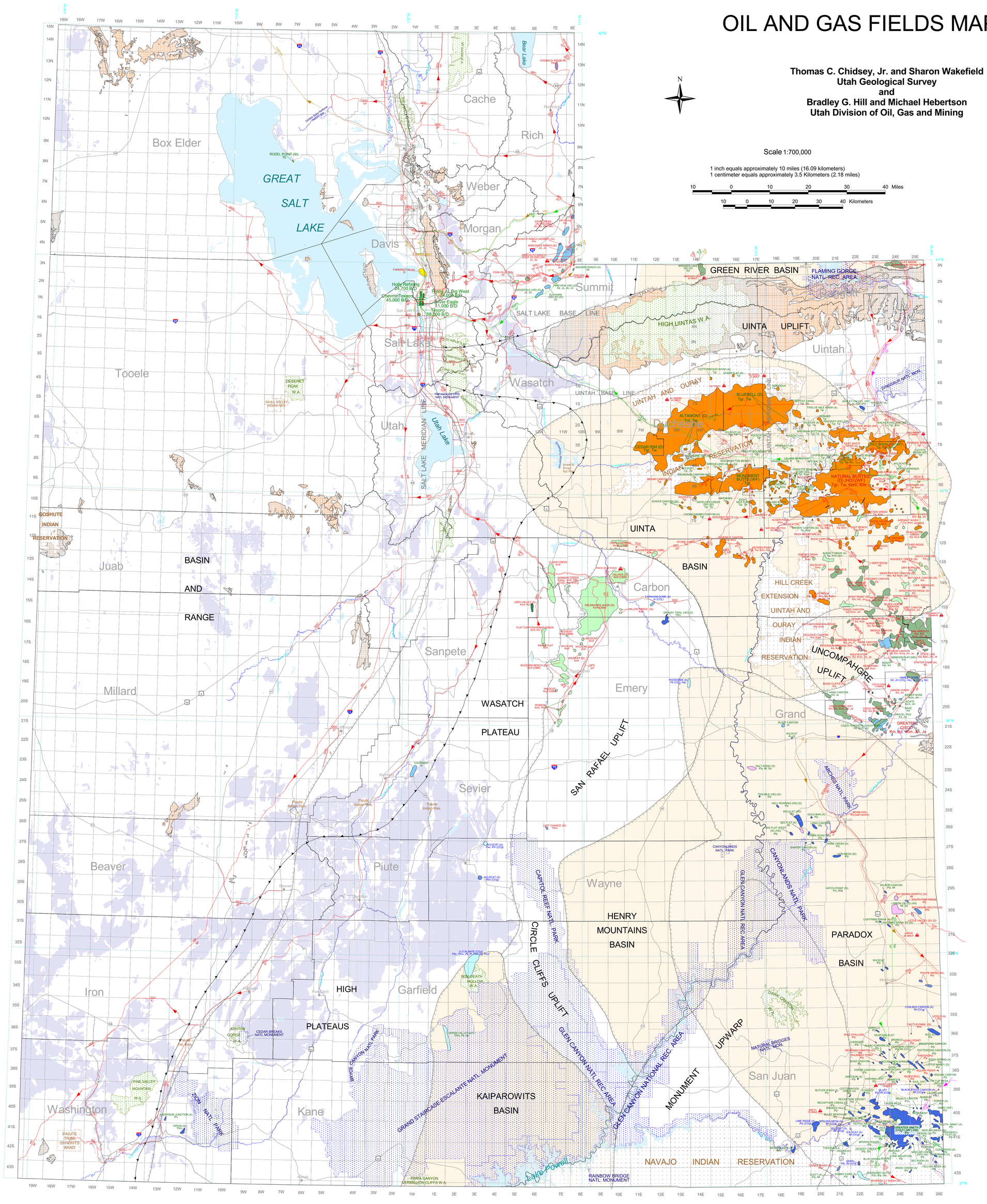
MAP 203 DM
UTAH GEOLOGICAL SURVEY
a division of
DEPARTMENT OF NATURAL RESOURCES
2004 (updated February 2005)

ISBN 1-55791-709-4



Scale 1:700,000

1 inch equals approximately 10 miles (16.09 kilometers)
1 centimeter equals approximately 3.5 Kilometers (2.18 miles)

10 0 10 20 30 40 Miles

10 0 10 20 30 40 Kilometers

EXPLANATION

RESERVOIR ROCKS

- Quaternary (Q)
- Tertiary (T)
- Upper Cretaceous (K)
- Upper-Lower Cretaceous (K)
- Jurassic (J)
- Triassic (TR)
- Permian (P)
- Pennsylvanian (IPp)
- Mississippian (M)
- Devonian (D)

SURFICIAL GEOLOGIC FEATURES

- Leading edge of Sevier thrust belt
- Basin and uplift boundary (hash marks toward basin and away from uplift)
- Major sedimentary basin
- Undifferentiated Precambrian rocks exposed on the surface
- Tertiary/Quaternary volcanic rocks

PIPELINES

Notation includes operator (see Pipeline Operators below), pipe diameter in inches, and direction of flow. Adjacent diameter numbers indicate more than one pipeline of the same type. Pipeline routes are plotted as accurately as possible and are only accurate within the scale of this map. Most infield gathering and utility distribution systems are not shown.

- PPC 8 — Crude oil
- QGC 16 — Natural gas
- CHEVPL 10 — Carbon dioxide
- ARME 10 — Hydrogen sulfide-bearing gas
- FPC 8 — Natural gas processing plant or refinery products

QUATERNARY

Q Undivided sediments

TERTIARY

Tb Basalt
Tu Uinta Formation
Tgr Green River Formation
Tw Wasatch Formation

UPPER CRETACEOUS

Kmv Mesaverde Group
Kcg Castlegate Sandstone
Kmvb Mesaverde Group, Blackhawk Formation
Km Mancos Shale
Kmbg Mancos Shale, Blue Gate Shale Member
Kmf Mancos Shale, Ferron Sandstone Member
Kf Frontier Formation

UPPER-LOWER CRETACEOUS

Kd Dakota Sandstone
Kcm Cedar Mountain Formation
Kk Kelvin Formation

JURASSIC

Jm Morrison Formation
Js Stump Formation
Jc Curtis Formation
Je Entrada Sandstone
Jtc Twin Creek Limestone
Jn Nugget/Navajo Sandstone
Jk Kayenta Formation
Jw Wingate Sandstone

TRIASSIC

TRc Chinle Formation
TRm Moenkopi Formation
TRd Dinwoody Formation

PERMIAN

Pp Phosphoria Formation
Ppc Park City Formation
Pk Kaibab Limestone
Pbb Black Box Dolomite
Pwr White Rim Sandstone
Po Organ Rock Formation
Pcm Cedar Mesa Sandstone
Pdc DeChelly Sandstone
Pt Toroweap Formation

PENNSYLVANIAN

IPw Weber Sandstone
IPh Hermosa Formation
IPht Honaker Trail Formation
IPp Paradox Formation
IPm Molas Formation
IPc Callville Limestone

MISSISSIPPIAN

Ml Leadville Limestone
Mm Madison Group
Mr Redwall Limestone

DEVONIAN

De Elbert Formation
Do Ouray Formation

OTHER SYMBOLS AND DESIGNATIONS

- State Capitol
- County Seat
- Road
- Longitude/Latitude
- Township/Range
- Lake, reservoir & intermittent water
- Major river
- National Park, Monument, Recreation Area
- Indian Reservation
- Wilderness Area

FIELDS

Fields are spotted through January 2005. Field boundaries are approximate and do not distinguish between different producing horizons. Dry holes may exist within fields. Field color indicates predominant age of reservoir rocks. Both abandoned and currently producing formations are shown for each field.

ROCK HOUSE Tw, Kmv, Kcg — Names in red denote fields that primarily produce(d) natural gas. These fields may produce significant condensate along with the natural gas in the primary reservoir or oil from secondary reservoirs

LISBON IM, Do — Names in green denote fields that primarily produce(d) oil. These fields may produce significant associated natural gas along with the oil in the primary reservoir or nonassociated natural gas from secondary reservoirs.

FARNHAM DOME (A) Jn (CO_2) — Names in blue denote fields that primarily produce(d) carbon dioxide. These fields may produce significant natural gas (methane) and oil in the primary and secondary reservoirs.

FIELD DESIGNATIONS

(A) – Abandoned field
(CBM) – Coalbed methane
(CO_2) – Carbon dioxide reservoir
(CO_2F) – CO_2 flood project
(D) – Produced water disposal project
(GI) – Gas injection
(GS) – Gas storage
(He) – Helium reservoir
(HD) – Horizontal drilling project
(HS) – Hydrogen sulfide
(NI) – Nitrogen injection
(SI) – Shut-in field
(WF) – Waterflood project

Note: These designations appear after field name, reservoir name, or reservoir.

PIPELINE OPERATORS

ARME – Anadarko Rocky Mountain Energy
BBC – Bill Barrett Corp.
CHEVPL – Chevron Pipeline Company
CIG – Colorado Interstate Gas Company
CPC – ConocoPhillips Co.
EOC – Evergreen Operating Corp.
EP – Enterprise Products Partners LP
EM – ExxonMobil
FCPC – Four Corners Pipeline Company
IR – Inland Resources, Inc.
KR – Kern River Gas Transmission Company
MESA – MESA, Inc.
NNOG – Navajo Nation Oil and Gas
PEP – Pacific Energy Partners LP
PPC – Pioneer Pipeline Company
QGC – Questar Gas Company
QPC – Questar Pipeline Company
RMPS – Rocky Mountain Pipeline Systems LLC
TBI – Tom Brown, Inc.
TCP – TransColorado Pipeline Gathering Company
UGS – Utah Gas Services Company
UTNJNR – Ute Tribe/New Jersey Natural Resources
WGPLNW – Williams Gas Pipeline – Northwest
WGR – Western Gas Resources, Inc.

REFINERIES AND PLANTS

Tesoro 58,000 B/D — Oil refinery. Notation includes operator and capacity in barrels of oil per day (B/D). Locations are approximate.

Red Wash 50 MMCF — Natural gas processing plant. Notation includes operator and capacity (where data are available) in millions of cubic feet (MMCF) per day. Locations are approximate.

BASE MAP COVERAGES AND SOURCE DATA

County boundaries, city locations, federal boundaries, Public Land Survey System (PLSS), highways and roads, landownership from Utah Automated Geographic Reference Center

COORDINATE SYSTEM:
Transverse Mercator
False Easting: 500000.000000
False Northing: 0.000000
Central Meridan: -111.000000
Scale Factor: 0.999600
Latitude Of Origin: 0.000000
Geographic Coordinate Systems North American 1983
Datum: D North American 1983
Prime Meridian: 0

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ACKNOWLEDGMENTS

Funding for this map was provided, in part, by the U.S. Department of Energy through the Preferred Upstream Management Program (PUMP II), National Petroleum Technology Office, Tulsa, Oklahoma, contract number DE-FC26-02NT15133.

We thank the various oil, gas, and pipeline companies operating in Utah for their assistance in compiling pipeline data on this map. John Hanson, formerly with the Utah Geological Survey (UGS), also assisted with the pipeline portion of the map. The Utah Energy Office and Utah Division of Oil, Gas and Mining, provided petroleum infrastructure data. We thank David Tabet and Mike Hylland of the UGS for their careful reviews.

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