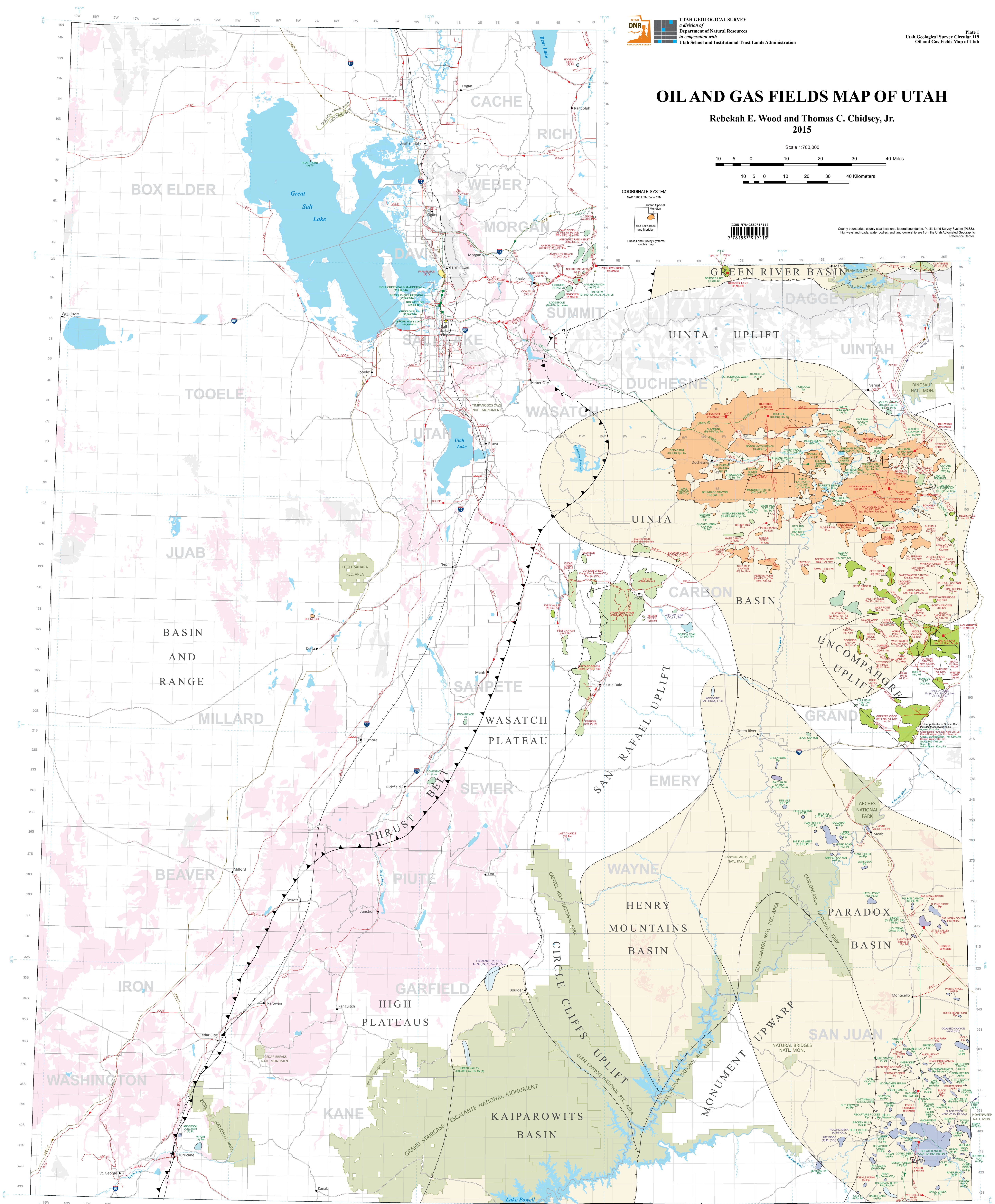




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RESERVOIR ROCKS

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

QUATERNARY
Q Undifferentiated sediments

TERTIARY
Tb Basalt
Tu Uinta Formation
Tw Wasatch Formation

UPPER CRETACEOUS
Kmv Mesaverde Group
Kcg Mesaverde Group, Castle Gate Sandstone
Kms Mesaverde Group, Blackhawk Formation
Kmn Mancos Shale
Kmb Mancos Shale, Blue Gate Shale Member
Knb Mancos Shale, Ferron Sandstone Member
Knt Frontier Formation

PENNSYLVANIAN
Pc Park City Formation
Pm Park City Formation
Pp Paradox Formation

MISSISSIPPIAN
Ml Leadville Limestone
Mm Madison Group
Mn Redwall Limestone

DEVONIAN
De Elbert Formation, McCracken Sandstone Member
Do Ouray Formation

UPPER-LOWER CRETACEOUS
Kd Dakota Sandstone
Kcm Cedar Mountain Formation
Kk Kelvin Formation

JURASSIC
Jm Morrison Formation
Jst Slump Formation
Jec Entrada Sandstone
Jlc Twin Creek Limestone
Jn Navajo/Nugget Sandstone
Jw Wingate Sandstone

TRIASSIC
Tc Chinle Formation
Tm Moenkopi Formation
Td Dinwoody Formation

PERMIAN
Pp Phosphoria Formation
Ppc Park City Formation
Ppk Kaibab Formation
Pwr White Rim Sandstone
Pm Organ Rock Formation
Pcd Cedar Mesa Sandstone
Pdc DeChelly Sandstone
Ptw Toroweap Formation
Pw Weber Sandstone

REFINERIES AND PROCESSING PLANTS

Natural gas processing plant. Notation includes operator and capacity (where available) in millions of cubic feet per day (MMcf/d). Locations are approximate.

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

SURFACE GEOLOGIC FEATURES

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

OTHER SYMBOLS AND DESIGNATIONS

- State capital
- City
- Longitude/latitude
- Township/Range
- Lake, reservoir, or intermittent water
- Major river (channel ≥ 10 feet wide)
- National Park, Monument, or Recreation Area

REFINERIES AND PROCESSING PLANTS

Fields are defined using data current through January 1, 2015. Fields are designated as abandoned, active, or inactive (shut-in). Field boundaries are approximate and do not distinguish between differing producing horizons. Dry holes may exist within fields. Field color indicates predominant age of reservoir rocks. Both abandoned and currently producing formations and fields are shown. Abandoned fields contain no active wells as of January 1, 2015, the most recent data available.

FIELD DESIGNATIONS

Names in red denote fields that primarily produce(d) nonassociated natural gas (methane and higher fractions). These fields may also produce significant condensate or natural gas liquids from the primary reservoir or oil from secondary reservoirs.

Names in green denote fields that primarily produce(d) oil. These fields may produce significant associated natural gas from the primary reservoir or nonassociated natural gas from secondary reservoirs.

Names in blue denote fields that primarily produce(d) carbon dioxide. These fields may produce significant natural gas (methane) and/or oil in the primary and secondary reservoirs.

FIELD DESIGNATIONS

(A) - Abandoned (field or reservoir)
(CBM) - Coalbed methane
(CO₂) - Carbon dioxide reservoir
(CO₂-F) - CO₂ flood project
(D) - Produced water disposal project
(SI) - Shut-in field
(GS) - Gas storage
(H) - Helium reservoir
(HD) - Horizontal drilling
(HS) - Hydrogen sulfide injection
(NI) - Nitrogen injection
(S) - Shut-in field
(W) - Waterflood project

Designations listed before reservoir name apply to the field, whereas designations listed after a reservoir name pertain only to that reservoir.

PIPELINES

Notation includes operator (see Pipeline Operators below), approximate 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. Operators are accurate to the most recent available data. Most infilled gathering and utility distribution systems are not shown.

PIPELINE OPERATORS

APC	Anadarko Petroleum Corporation
BBC	Bill Barrett Corporation
CCI	Castleton Commodities International
CEHPL	Chesapeake Energy Corporation
CIG	Colorado Interstate Gas Company
CPC	ConocoPhillips Company
EP	Enterprise Products Partners LP
KM	Kinder Morgan
KR	Kern River Gas Transmission Company
MESA	MESA, Inc.
NNOG	Navajo National Oil & Gas Company
PAALP	Plains All American Pipeline, L.P.
PNNR	Pioneer Natural Resources
PQC	Pioneer Pipeline Company
QGC	Questar Gas Company
QPC	Questar Pipeline Company
RNR	Rockwell International Corporation
UGS	Utah Gas Service Co.
UNEV	UNEV Pipeline, LLC
UTNJR	Ute Tribe-New Jersey Natural Resources
WGLNW	Williams Gas Pipeline - Northwest
WGR	Western Gas Resources, Inc.

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