Jurassic-Triassic

Jkn Nugget Sandstone

Ra Ankareh Formation

Rt Thaynes Limestone

Rd Dinwoody Formation

RPs Spearfish Formation

Pp Phosphoria Formation

Pm Minnekahta Limestone

Permian-Pennsylvanian

PPh Hartville Formation

PIPml Minnelusa Formation

Pt Tensleep Sandstone

Pw Weber Sandstone

Pm Morgan Formation

Pennsylvanian-Mississippian

PMa Amsden Formation

Md Darwin Sandstone

Mm Madison Limestone

Dj Jefferson Formation

€gv Gros Ventre Formation

€bs Buck Spring Formation

p€ Archean and Proterozoic rocks, undivided

€f Flathead Sandstone

Precambrian

<sup>1</sup> Formation name extended from neighboring states; not formally recognized in Wyoming, or not commonly used in Wyoming

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extensive use of this material. We appreciate your cooperation.

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Dd Darby Formation

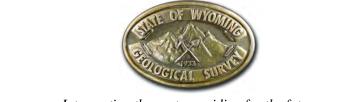
Tw Woodside Shale

Rc Chugwater Formation (or Group)

Rcm Crow Mountain Sandstone (or Member)

Alcova Limestone (or Member)

Red Peak Formation (or Member)

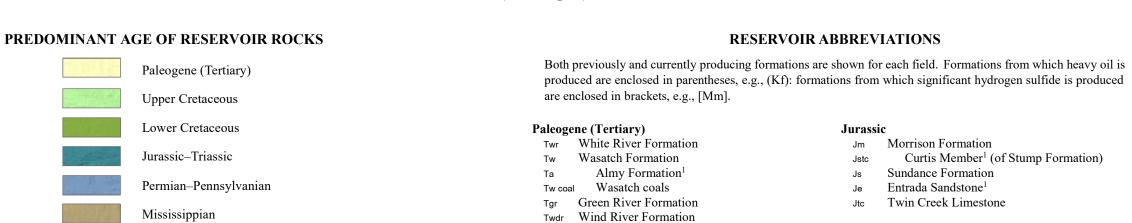






**EXPLANATION** 

An online version of this map is available at Wyoming State Geological Survey website, www.wsgs.wyo.gov



Tfu Fort Union Formation

Tfu coal Fort Union coals

KI Lance Formation

Kle Lewis Shale

Kbp Bearpaw Shale

Kc Cody Shale

Ks Steele Shale

Kba Baxter Shale Kh Hilliard Shale

Kad Adaville Formation

Kn Niobrara Formation

Kg Greenhorn Formation

Kbf Belle Fourche Shale

Ka Aspen Shale

Kmr Mowry Shale

Lower Cretaceous

Kq Quealy Formation

Kmd Muddy Sandstone Knc Newcastle Sandstone

Kbr Bear River Formation Ksc Skull Creek Shale

Kcv Cloverly Formation

Kfr Fall River Formation

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Kla Lakota Formation

Kd Dakota Sandstone<sup>1</sup>

кј J Sandstone

Cretaceous-Jurassic KJg Gannett Group

Kcl Carlile Formation

Kfh Fox Hills Sandstone

Kme Meeteetse Formation

Kmv Mesaverde Formation (or Group)

Kmvt Teapot Sandstone Member Kmvp Parkman Sandstone Member

Ericson Sandstone

Blair Formation

Kcsx Sussex Sandstone Member

Kclcd Codell Sandstone Member

Koltr Turner Sandstone Member

Kfwc Wall Creek Sandstone Member

Kft Torchlight Sandstone Member

Kfp Peay Sandstone Member

Kcsh Shannon Sandstone Member

Pine Ridge Sandstone Rock Springs Formation

Haystack Mountains Formation

Fields generated from well data downloaded from Wyoming Oil and Gas Conservation Commission (http://wogcc.wyo.gov/) on April 15, 2019. Field boundaries are approximate.

Green names denote fields that primarily produce oil. These fields may produce significant associated natural gas from the primary reservoir or nonassociated natural gas from secondary reservoirs. Red names denote fields that primarily produce natural gas. These fields may also produce significant condensate from the primary reservoir or oil from

> FIELD DESIGNATIONS Note: These designations appear after the field name (A) Abandoned field (no production for last 10 years) (CM) Coalbed natural gas (CO2) Carbon dioxide

(HO) Heavy oil (less than 20° API gravity) (H2S) Hydrogen sulfide (OD) Other disposal (Class I and V disposal) (SI) Shut-in field (last production within 3–9 years) **(WD)** Produced water disposal

SYMBOLOGY AND GEOLOGY Active oil refinery. Notation includes capacity in barrels (bbl) oil per stream day

Inactive natural gas processing plant Approximate location of major basin axis Volcanic rocks in Yellowstone National Park area and Absaroka Range

Pipeline routes are plotted as accurately as possible and are only accurate within the scale of this map or maps of smaller scale. Most infield gathering systems are not shown. Pipeline operator and

> ———— Carbon dioxide ——— Condensate ———— Crude oil ———— Natural gas ——— Natural gas liquid

More information available from the Wyoming Pipeline Authority: https://www.wyopipeline.com/

NUMBERED OIL AND GAS FIELDS IN THE POWDER RIVER BASIN 4 ALLISON SOUTH (A) 64 GAP (A) 124 MAYSDORF SOUTH (A) 184 SEMLEK (WD)

PDPnl PDPnl PDPnl PDPnl PDPnl PDPnl AMERICAN 66 GARNER LAKE NORTH 126 M-D NORTH (A) 186 SEMLEK WEST (WD) AMMO (WD) 67 GIBBS (WD) 127 MELLOTT RANCH (WD) 187 SHARP

Kmd PIPml Kmd PIPml PPml 8 AMMO SOUTH (A) 68 GIBBS NORTH (A) 128 MILLER CREEK (WD) 188 SHEARING PEN DRAW (A)
PIPml PPml Korlt Kd PIPml Kmd ARROW (A) 69 GIBBS SOUTH (WD) 129 MILLER CREEK EAST (A) 189 SHORT PRONG WEST 70 GLASSER DRAW 130 MILLER CREEK ROAD 190 SIMPSON NORTH 11 BAR U DRAW (A) 71 GLO 131 MINTURN (A) 191 SIMPSON RANCH 12 BARBER CREEK EAST (A) 72 GLO NORTH 132 MISSOURI 192 SLATTERY (WD) 13 BAUMFALK (A) 73 GOLD MINE DRAW 133 MITCHELL BREAKS 193 SPAAR CREEK 15 BIGFOOT 75 GRASSLAND WEST 135 MONGOOSE (A) 195 SPRING HOLE 16 BISHOP RANCH 76 GRAY (A) 136 MOORCROFT EAST 196 SQUAW CREEK (A) 17 BISHOP RANCH EAST (A) 77 GRAY SOUTH (WD) 137 MOORE RANCH (A) 197 STEWART 18 BISHOP RANCH SOUTH (WD) 78 GUTHREY 138 MOSEBAR (A) 198 STEWART EAST 19 BLACK ROCK DRAW 79 HAIGHT 139 MOSEBAR DRAW 199 STRAAG DRAW

Kmyn Keltr PPml PPml PPml 20 BLUEBIRD (A) 80 HAL (SI) 140 MULE HERDER (SI) 200 SUMMERFIELD

Tfu coal Kmyn Kmd PPml PPml PPml PPml 21 BOOTON 81 HALVERSON NORTH 141 NAPIER ROAD 201 SUPERHORNET (SI)(WD) 30 BUTLER RANCH (A) 90 HOE CREEK (A) 150 OXBOW (SI) 210 TIMBER CREEK NORTHWEST

Knc Kmvp PPml Kmd PPml 31 BUTTE CREEK (A)(WD) 91 HOOVER GULCH (WD) 151 PAUL 211 TIMBER CREEK SOUTH 32 CABIN CANYON (A) 92 INDIAN TREE 152 PEBBLE BEACH (A) 212 TOLAND (A) 33 CABIN CREEK (A) 93 INFINITY (A) 153 PICKREL RANCH (A) 213 T-T ROAD (A)

| PPml | PP 34 CAMBRIDGE (WD) 94 JACKELOPE (A) 154 PIERCE (SI)(WD) 214 TUIT DRAW PIPml PIPml Tfu coal Kmvp Kn Kcltr Kmď 35 CANDY DRAW 95 JB (SI) 155 PINEY 215 TWIN CREEK (A)
PPmI Kmd PPmI PPmI PPmI PPmI 36 CARDINAL (WD) 96 JOYCES (A) 156 PLEASANT VALLEY (SI) 216 VI BAR RANCH PPml PPml PPml Kmd 37 CHALK HILLS (A) 97 KICKEN DRAW 157 POWNALL RANCH 217 WAGON SPOKE (SI)
Pipol Pipol Pipol Pipol Pipol 
 38
 CLABAUGH
 98
 KIEHL WEST (WD)
 158
 PRAIRIE CREEK (WD)
 218
 WALLACE SOUTH

 Kmd PPml
 Kmd Knc
 Kmd PPml
 Kmd Mnc
 Kmd PPml
 39 CLEARWATER 99 KINGSBURY CREEK 159 PRAIRIE CREEK SOUTH 219 WARBONNET (A) 40 CLUBHOUSE (A) 100 KINGSBURY ROAD (A) 161 PRB COAL BED (CM)(OD)(WD) 220 WARD CREEK (A)

Kmd Kmd Kmyn Tw coal Till coal Knc PPml 41 COAL CREEK (WD) 101 KUEHNE RANCH 162 PRONG CREEK WEST 221 WARD CREEK SOUTHEAST (A) 42 CORONA 102 KUEHNE RANCH EAST 163 RAILROAD BEND 222 WARDEN (A)
Koch PIPml PIPml Kind 43 COUNTY LINE 103 KUEHNE RANCH NORTHEAST (A) 164 RAINBOW RANCH NORTH 223 WD (WD)
PPml PPml Kmd Knc PPml PPml 44 CRAWFORD DRAW 104 KUEHNE RANCH SOUTHEAST 165 RAWHIDE BUTTE (A) 224 WELL CREEK (A)

Kf Kmd PPml Tfu PPml 45 DEAD HORSE CREEK SOUTH (WD) 105 KUMMERFELD WEST 166 RIDGEVIEW 225 WHEAT DRAW (SI) 46 DEADMAN CREEK (GD)(WD) 106 LANEY (A)(WD) 167 RIGHT A WAY 226 WHISLER

**BASE MAP EXPLANATION** ★ State capital County boundary Wind River Reservation boundary — 55 Interstate highway

49 DEER FLY SOUTH 109 LITTLE MITCHELL CREEK 170 ROCKHOPPER (WD) 229 WINTER DRAW
PIPml PPml PPml PPml

 50
 DEMOTT DRAW
 110
 LITTLE MO
 171
 ROCKY BUTTE (A)
 230
 WOLF DRAW

 PIPml
 PIPml
 PIPml
 PIPml
 PIPml

51 DEMOTT DRAW WEST (A) 111 LITTLE PINE (WD) 172 ROCKY HILL (SI) 231 WOLFF (WD)
PPmI PPmI Kn Kmd PPmI

53 DOE (A) 113 LOBLOLLY (A) 174 ROSS (009) (A) 233 WORTH (A) 54 DOUBLE SHIELD (WD) 114 LONE CEDAR 175 ROURKE GAP 234 YELLOW HAMMER (A)
PPml PPml PPml PPml PPml

52 DILLINGER RANCH NORTH 112 LITTLE POWDER (A) 173 ROEHRS SOUTH 232 WOOD WEST (A)
PPml Kmr Kmd PPml PPml PPml Kd

55 DUCK NEST CREEK (A) 115 LONG TREE NORTH (A) 176 ROYAL DRAW (A) 235 YELLOW HAMMER NW (A)

Kmd PIPml PIPml Kmd PIPml

57 DUTCH RESERVOIR (A) 117 MALMQUIST 177 ROZET SOUTH 237 ZOE DRAW (A)(WD)
PPml PPml PPml PPml PPml

56 DUTCH (WD) 116 MAC (A)(WD) 160 ROZET EAST 236 YORK
Tiu coal PPml PPml Kmd PPml PPml

58 DUVALL RANCH 118 MAPES (WD) 178 R.T. (A)

Knc PPml PPml PPml PPml

59 ENYARD DRAW (A) 119 MARNIE (WD) 179 RULE

60 FALCON RIDGE 120 MARNIE SOUTH (OD) 180 SAND ROCK (A)
PPml PPml PPml PPml

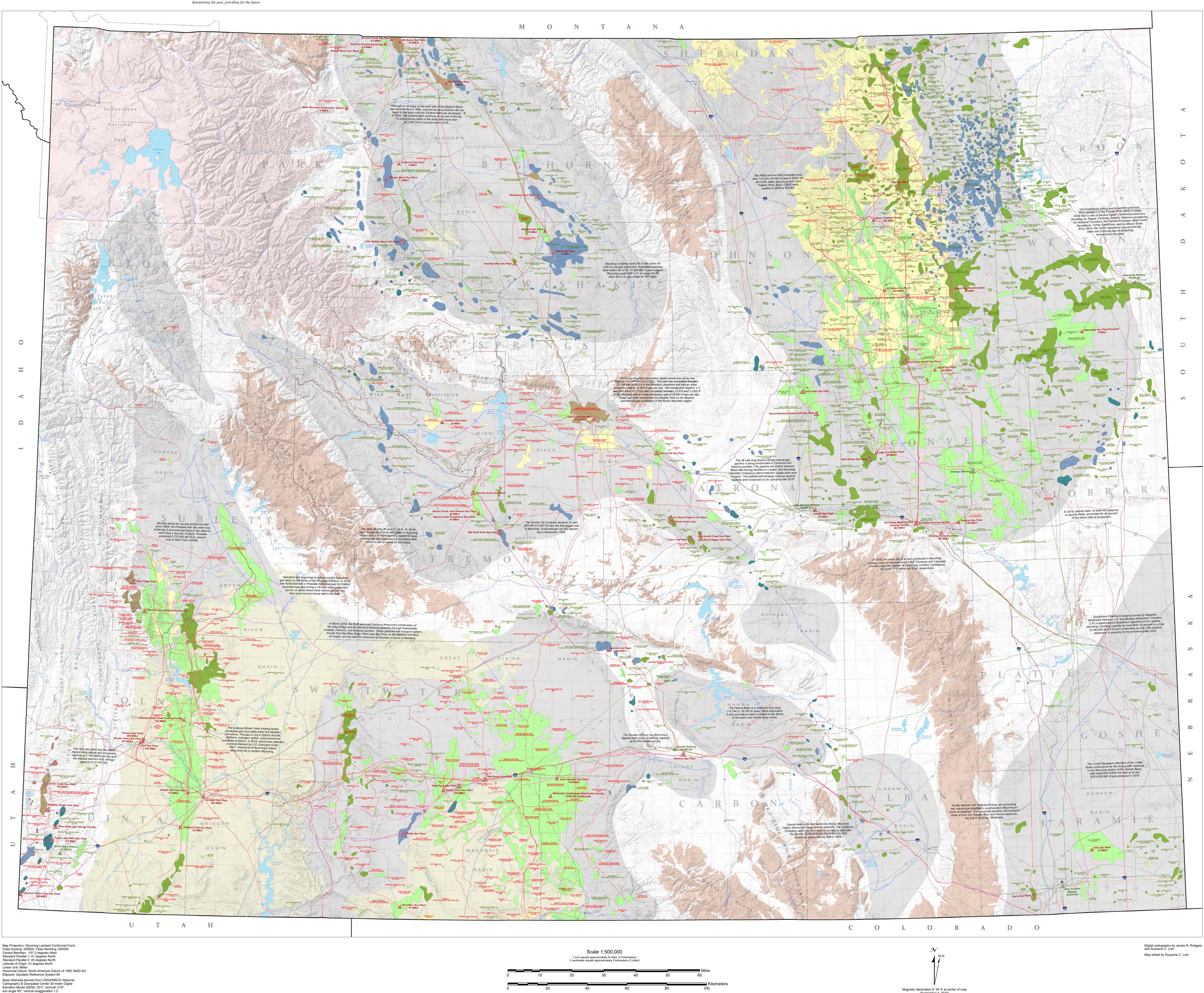
——— U.S. highway ——59—— State highway Perennial river County or other road Lake or reservoir

DISCLAIMERS Using these data at a larger scale will not provide greater accuracy and is a misuse of the data.

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(GS) Gas storage Inactive oil refinery Active natural gas processing plant. Notation includes capacity in millions of cubic feet (MMcf) or barrels (bbl) condensate per day Oil shale occurrence Major sedimentary basin; approximate extent of Paleocene and younger rocks Undifferentiated Precambrian rocks exposed at the surface diameters available on the WSGS online map. 47 DEEP DRAW 107 LEE DRAW (A) 168 ROBINSON RANCH 227 WILDFIRE (HO)(WD)
PIPml PIPml (PIPml) (PIPml) 48 DEER FLY (WD) 108 LILY (WD) 169 ROBINSON RANCH SOUTH (WD) 228 WINDMILL (HO)(WD)

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