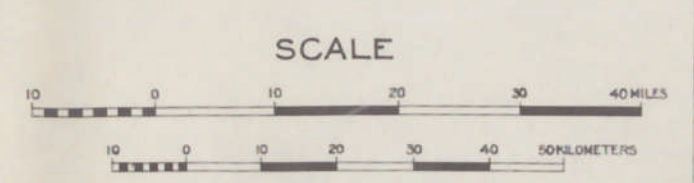
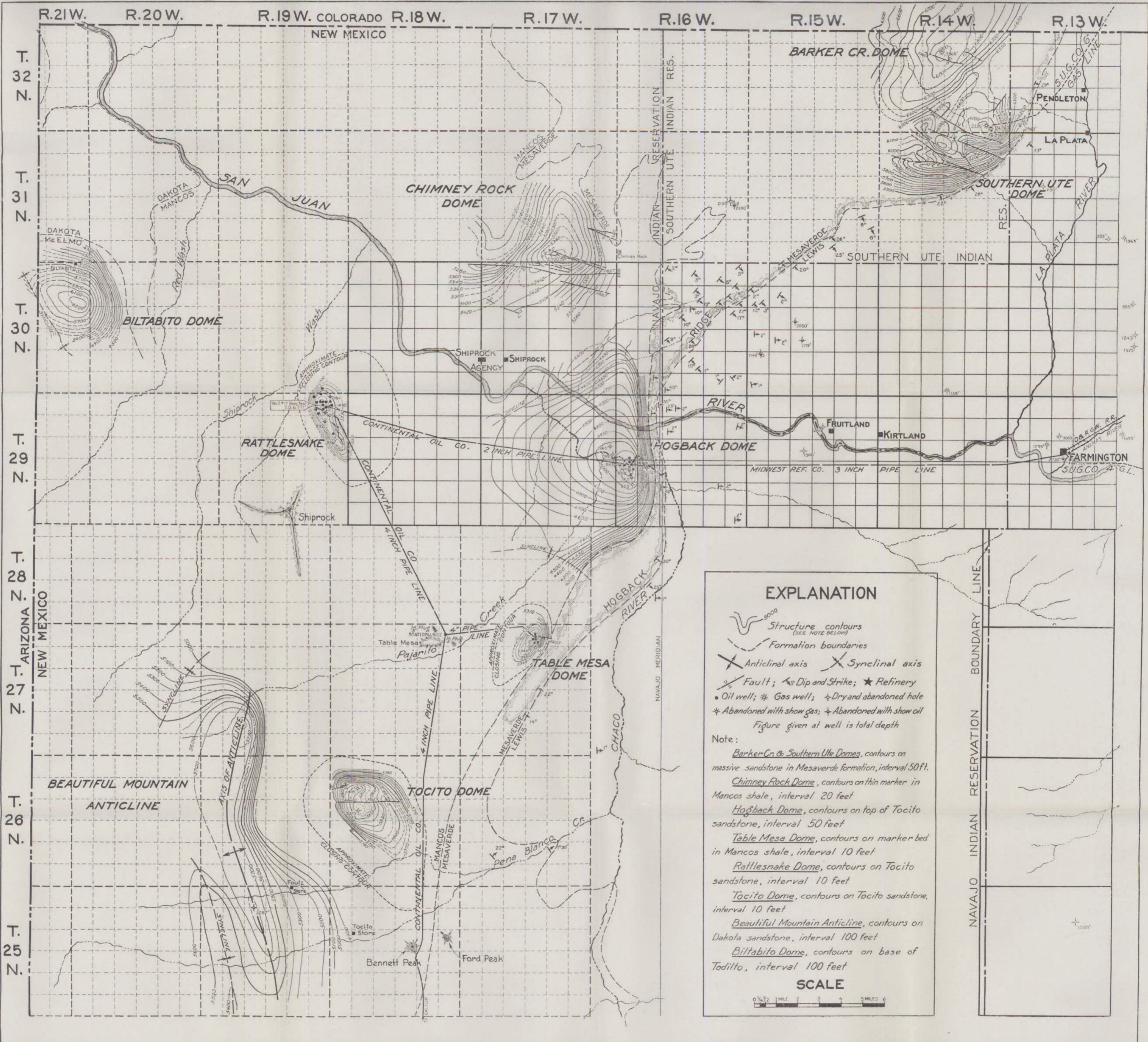


EXPLANATION

- A QUATERNARY—ALLUVIUM, BOLSON DEPOSITS AND DUNE SAND, GILA CONGLOMERATE AND GRAVEL
TERTIARY—OGALLALA, SANTA FE, WASATCH, TORRELLON, GIL ALAMO, BAYON AND GALISTEO.
- B CRETACEOUS—MIDERMOTT, KIRTLAND, PICTURED CLIFFS, LEWIS, MESAVRICE, VERMILION, TRINIDAD, PIERRE, NICHOLSON, BENLON, MANCOS, DAKOTA, SARTEN, PURGATORIO, MORRISON AND MUELMO.
- C JURASSIC—NAVAJO, TODILLO, WINGATE, TRIASSIC—CHINLE, SPANISH, FOLDED DOCK-LIM, SANTA ROSA, MOENKOPF AND LOSO.
- PERMIAN—RISTLER, CASTILE, CHIPADERA, GYM AND ASO.
- PENNSYLVANIAN—MAGDALENA, MISSISSIPPIAN—LAKE VALLEY, UPPER DEVONIAN—PERRICH, SILURIAN—FISSELMAN, GEDOCVIAN—MONTANA AND EL PASO; CAMBRIAN—BLISS.
- IGNEOUS ROCKS (EXTRUSIVE)
- IGNEOUS ROCKS—INTRUSIVE—MOSTLY PORPHYRIES, GRANITE, SCHIST, QUARTZITE AND ASSOCIATED PRE-CAMBRIAN ROCKS.



New Mexico School of Mines
STATE BUREAU OF MINES AND MINERAL RESOURCES
 SOCORRO, N. MEX.
GEOLOGIC MAP OF NEW MEXICO
 by
DEAN E. WINCHESTER
 Taken almost entirely from U. S. Geological Survey geologic map of New Mexico prepared by
 N. H. Darton, 1928
1931



EXPLANATION

- Structure contours (SEE NOTE BELOW)
 - Formation boundaries
 - Anticlinal axis
 - Synclinal axis
 - Fault; Dip and Strike; Refinery
 - Oil well; Gas well; Dry and abandoned hole
 - Abandoned with show gas; Abandoned with show oil
- Figure given at well is total depth

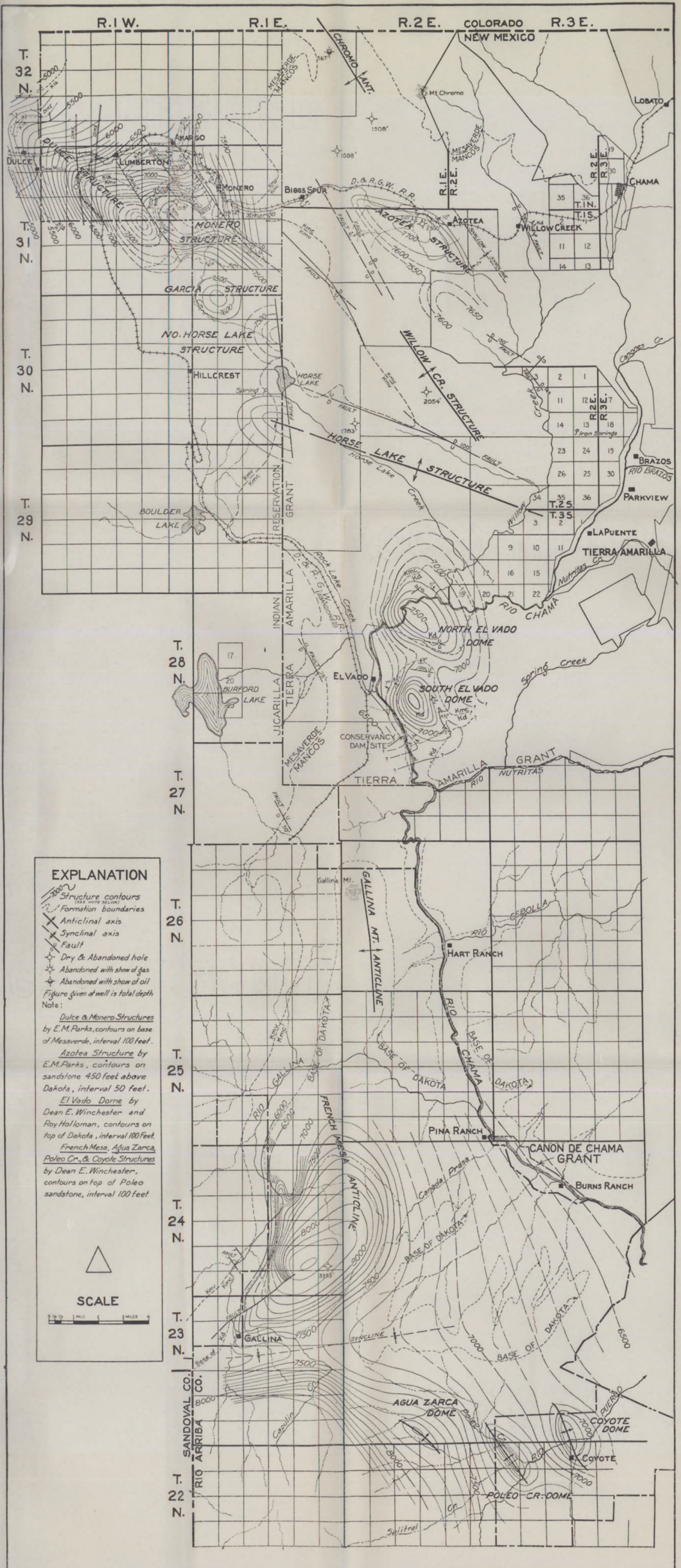
Note:

- Barker Cr. & Southern Ute Domes, contours on massive sandstone in Mesaverde formation, interval 50 ft.*
- Chimney Rock Dome, contours on thin marker in Mancos shale, interval 20 feet*
- Hogback Dome, contours on top of Tocito sandstone, interval 50 feet*
- Table Mesa Dome, contours on marker bed in Mancos shale, interval 10 feet*
- Rattlesnake Dome, contours on Tocito sandstone, interval 10 feet*
- Tocito Dome, contours on Tocito sandstone, interval 10 feet*
- Beautiful Mountain Anticline, contours on Dakota sandstone, interval 100 feet*
- Biltabito Dome, contours on base of Todilto, interval 100 feet*

SCALE



Map of northwestern San Juan County showing Geologic Structure.

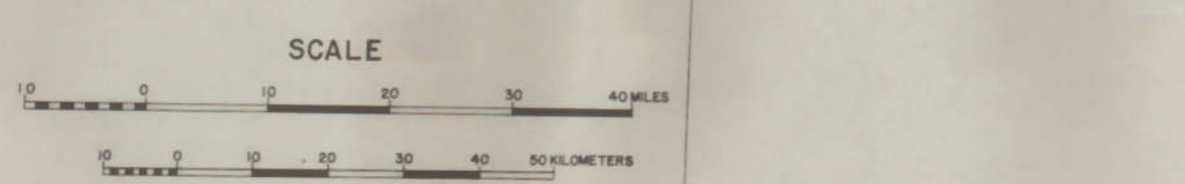


Map of part of Rio Arriba County showing Geologic Structure.



EXPLANATION

- OIL FIELD
- GAS FIELD
- OIL AND GAS FIELD
- CO₂ GAS FIELD
- AXIS OF ANTICLINE OR DOME
- GAS PIPE LINE
- OIL PIPE LINE
- DRILLING WELL (JULY 15, 1936)
- DRY AND ABANDONED HOLE
- OIL WELL
- GAS WELL
- CO₂ GAS WELL
- ABANDONED HOLE WITH SHOW OF OIL
- ABANDONED HOLE WITH SHOW OF GAS
- ABANDONED HOLE WITH SHOW OF OIL AND GAS
- ABANDONED HOLE, GRANITE REPORTED. (FIGURES INDICATE TOTAL DEPTH)
- OIL REFINERY
- GASOLINE PLANT
- CO₂ ICE PLANT



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 SOCORRO, N. MEX.
OIL AND GAS MAP OF NEW MEXICO

by
DEAN E. WINCHESTER (1931)
 Revised by A. ANDREAS to July 15, 1936

Oil and gas information compiled from various sources. All wells not indicated in certain areas because of limitation of scale, and depth shown is maximum reached in these areas. Only typical wells shown in productive areas, which give average depth of producing horizon. Base modified from U. S. Geological Survey Base Map of New Mexico, edition of 1922.

