

NGGDPP Project Final Report

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Project Title: Nevada Collections Inventory and Metadata for the National Catalog

Name of the State Geological Survey: Nevada Bureau of Mines and Geology

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Total Project Period:

09/15/2012 through 9/14/2013

Nevada Collections Inventory and Metadata for the National Catalog

Abstract

Through this project, the Nevada Bureau of Mines and Geology (NBMG) entered a total of 4675 new records to and updated two previously entered collections in the National Catalog of archived materials in the National Geologic and Geophysical Data Preservation Program. These entries were formatted in accordance with the NNGDPP Metadata Preparation Guide and came from the NBMG Mining District File Index (NVGEODEX) and the Nevada Oil and Gas Well Index (NVOILWEL). This project has helped continue the ongoing efforts of the NBMG to index, preserve, and make available to the public a variety of sample, geologic, and mineral resource information.

Project Report

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Mining District File Index (NVGEODEX)

The first data set submitted was an update of the NBMG Mining District File Index (NVGEODEX) with the NNGDPP-assigned unique metadata collection ID number 4f4e49cbe4b07f02db5d877f (formerly P687). The NVGEODEX is the index of the NBMG Mining District Files, which consists of maps, reports, photographs, printed spreadsheets and tables, assays, correspondence, claim and mine locations, mine workings information, and related materials dating from the 1860s to the present. Much of it is one-of-a-kind. The indexed documents were assigned unique identifiers and systematically scanned as 300 dpi TIFFs for archiving and converted to PDFs for viewing on our website. The file with 21,887 records was previously submitted in July 2009. The updated file contains 26,295 records, and replaced the earlier file. Documents added to the file included the 1994 FMC Gold Company donation and the NBMG geologic sample library files.

Field Descriptions:

- Collection ID:** Number assigned by NNGDPP personnel
- Title:** Document Title.
- Abstract:** Name of mining district or County if site is not in a district; document description; list of site/mine/claim names mentioned in document; commodities; authors of document.
- Type:** Paper (the form of the original documents), and format if scanned (TIF, PDF)
- SupplementalInformation:** Website containing listing and any scan of documents.
- Coordinates:** Site location in Latitude and Longitude (NAD 83) based on center point location of the mining district, center point of the county for documents not associated with a district, with some county-only sites having their locations plotted and being measured on 7.5' topographic maps.

- DatasetReferenceDate:** Date data table was created for NGGDPP.
- AlternateTitle:** NBMG ID Number.
- AlternateGeometry:** Mining district and County.
- Date:** Date of document or latest date if document spans a range of dates.
- BrowseGraphic:** HTML online link to PDFs of scanned documents.

Nevada Oil and Gas Well Index (NVOILWEL)

The second data set submitted was an update of the NBMG Nevada Oil and Gas Well Index (NVOILWEL) with the NGGDPP-assigned unique metadata collection ID number 4f4e49d8e4b07f02db5df325 (formerly P1028). NVOILWEL is an index of the files, logs, and drill cutting and core samples of oil and gas wells drilled in Nevada. The file with 794 records was previously submitted in July 2009. The updated file contains 1061 records, and replaces the earlier file.

Field Descriptions:

- Collection ID:** Number assigned by NGGDPP personnel
- Title:** NBMG Object ID Number; operator name; well name.
- Abstract:** Description of well file contents; elevation; permit issue date; completion date; latest known well status; list of logs; sample intervals.
- Type:** Paper (the form of the original documents), and format if scanned (TIF, PDF)
- SupplementalInformation:** Website containing listing and any scan of documents.
- Coordinates:** Site location in Latitude and Longitude (NAD 83).
- DatasetReferenceDate:** Date data table was created for NGGDPP.
- AlternateTitle:** Old NGGDPP file number, American Petroleum Institute Number, and Nevada Division of Minerals Permit Number
- AlternateGeometry:** County; UTM location; Public Land Survey location; Distance from Public Land Survey section line
- Date:** Year of completion or issue of permit if site was not drilled.
- BrowseGraphic:** HTML online link to PDFs and/or TIFs of scanned documents.
- VerticalExtent:** Total depth

Under a grant from T. Boone Pickens in 2011, two students from Oklahoma State University recalculated the UTM locations of the then 1006 entries in NVOILWEL and flagged 50 locations that they were uncertain about. The questionable locations were corrected, and the “5% rule” was employed for quality assurance of the other well locations. Had the recalculated locations passed the “5% rule”, then they would have replaced the old locations used in NVOILWEL. Of the 1006 locations, 51 were checked, 5% of which would have been 3. Ten (19.6%) were found to be in significant error, and the recalculated location data were not included in the update. A quality assurance evaluation of the entire data set will have to be conducted and any errors corrected before these locations can be deemed better than the current values.

All of the data records mentioned above were submitted to Tamar Norkin, USGS Core Science Systems, for addition to the National Catalog. At the time of this report, the records are on-line and searchable via the National Digital Catalog of Geological and Geographical Data website.

Summary

The additions to and updates of the existing NBMG collections (NVGEODEX and NVOILWEL) in the NCGDPP National Catalog have helped increase public awareness and access to these two significant earth-science collections at the NBMG. It has increased efficiency in responding to information inquiries, made significantly more Earth-science information about Nevada universally available on the Web, and added significantly to the development of the National Digital Catalog of the National Geologic and Geophysical Data Preservation Program.