



## Produced Water Search Query

### Database Query Page

- Searchable on various parameters including location and formation

### Water Sample Search

API Number

County

Township

Range

Section

Well Name

Formation

Field

- Most conversion to new website format is complete.
- Searchable database queries complete
- Sample mixing tools conversion partially done
- Data packaging and download file creation function partly complete.

## Produced Water :: General Production Data Search Results

107 matching results found

Show  records per page

Filter:

ID	API	Well_Name	Section	Town	Range	Field	Formation	Date_Collected
257	3002520737	STATE RW 001	10	135	32E	WILLIAMS NORTH	PENN	
360	3002520902	HEYCO BETENBOUGH 001	32	135	36E	MCDONALD	ATOKA	
411	3002520737	STATE RW 001	10	135	32E	WILLIAMS NORTH	PENN	
508	3002520405	STATE OF NEW MEXICO 001	20	135	32E			
510	3002520903	G H COATES A 001	19	135	38E			
513	3002505075	MARSHALL E COLE 001	13	135	37E			

### Query Results Page 1

- Listing of basic information meeting search criteria
- List is sortable by any column heading

## Water Sample Mix

API	Well Name	ID	Date Collected
3002505075	MARSHALL E COLE	901	1958-08-30 00:00:00.0
Water Sample 1: Ions & Dissolved Gases (mg/L)			
Ca <sup>++</sup>	Mg <sup>++</sup>	Na <sup>+</sup>	Ba <sup>++</sup>
CO <sub>3</sub> =	HCO <sub>3</sub> <sup>-</sup> 150.0	SO <sub>4</sub> = 4520.0	CL <sup>-</sup> 37200.0
H <sub>2</sub> S	O <sub>2</sub>	CO <sub>2</sub>	Fe <sup>++</sup>
pH	Temperature (F)	Ratio 1 / Volume	Clear
7.9			
Water Sample 2: Ions & Dissolved Gases (mg/L)			
Ca <sup>++</sup>	Mg <sup>++</sup>	Na <sup>+</sup>	Ba <sup>++</sup>
CO <sub>3</sub> =	HCO <sub>3</sub> <sup>-</sup>	SO <sub>4</sub> =	CL <sup>-</sup>
H <sub>2</sub> S	O <sub>2</sub>	CO <sub>2</sub>	Fe <sup>++</sup>
pH	Temperature (F)	Ratio 2 / Volume	
Instructions:			
There are two types of mixing available:			
Mix by Ratio: Insert <span style="color: green;">Temperatures</span> and <span style="color: green;">Ratios</span> for each sample and the <span style="color: green;">Total Volume</span>			
Mix by Volume: Insert <span style="color: green;">Temperatures</span> and <span style="color: green;">Volumes</span> for each sample.			
Then click Mix.			

Sample mixing tools conversion partially done – this function enables users to mix waters of two different compositions and volumes to find the resultant water composition as well as predict scale and mineralization

SALINE WATER DATA      U.S.G.S., WATER RESOURCES DIVISION, ALBUQUERQUE, NEW MEXICO      W.L. HISS 1968      PAGE NO. 1391

LOCATION T 20 S, R 37 E, S 6, 660FS L 1900 FEET L SEC, LEA COUNTY, N, MEX., COMPL DATE 05/09/36 TD 3804 ELEVATIONS=REF PT M 3567

OPERATOR GULF OIL CORP.      C. MATHEWS      WELL NUMBER 1 FIELD MONUMENT GRAYB-SAD      PERM DATUM N      REF NUMBER MN05942      LAT 32,59630 N      LONG 103,28840 W

AND LEASE

WATER FROM FORMATION, SAMPLE SOURCE      RECORD SOURCE BJH      FILE NUMBER 4312

SAMPLED INTERVAL 3180-3742 FIELD PRODUCING FORMATION

RESISTIVITY OHM-M AT DEG F=MEASURED      CL SAL AS NA CL 43438      LOG MILLI-EQUIVALENTS PER LITER

RESISTIVITY .173 OHM-M AT 65 DEG F=CALCULATED      NA CL EQUIV 45613      5 4 3 2 1 0 1 2 3 4 5

CONDUCTIVITY IN MMHOS, AT 25 DEG C=MEAS, 57921 AT 18 DEG C=CALC      CA      HCO3+CO3

PH 7.4      SP G 1.034 AT 4      DEG F      DATE SAMPLED 10/58

*=CALC	MPL	MEL	PC TDS	MPL	MEL	PC TDS	MG	SO4
CA	2399	120	5.2	SI02	-----	-----	-----	-----
MG	599	49	1.3	FE	-----	-----	-----	-----
NA+K	14373	625	31.1	F	-----	-----	-----	-----
CL	26367	744	57.0	N03	-----	-----	-----	-----
SO4	1592	33	3.4	H2S	-----	-----	-----	-----
HCO3+CO3	913	15	2.0	*NA CL	36572	626	79.1	-----

TOTAL DISSOLVED SOLIDS=DETERM, CALC 46243      REMARKS

\*\*\* DATA NEEDED FOR COMPLETE SAMPLE IDENTIFICATION \*\*\*

FORMATION SOURCE MISSING

Newly-found USGS water sample data being digitized. USGS personnel did not find this data in their existing databases, nor have I found it in NM WAIDS. Several townships in SE NM.