

**Venegas, Victoria, EMNRD**

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**From:** Hamlet, Robert, EMNRD  
**Sent:** Tuesday, February 11, 2020 8:45 AM  
**To:** Bratcher, Mike, EMNRD; Venegas, Victoria, EMNRD; Eads, Cristina, EMNRD  
**Subject:** FW: [EXT] Maverick Resources Humble Yates  
**Attachments:** USGS Well in relation to Humble Yates Site.jpg; Trend map photo, Humble Yates2.jpg; USGS information, Humble Yates.pdf; NMOCD Topo map with water features, Humble Yates Battery.pdf; Trend map photo, Humble Yates2.jpg; Google Earth map with samples, Humble Yates Battery.pdf

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**From:** Bob Allen <ballen@sesi-nm.com>  
**Sent:** Monday, February 3, 2020 1:39 PM  
**To:** Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>  
**Cc:** Sergio Contreras <scontreras@sesi-nm.com>; Rebecca Pons <office2@sesi-nm.com>; thoms.haigood@mavresources.com  
**Subject:** [EXT] Maverick Resources Humble Yates

Robert,

According to the NM Oil and Gas Hydrology map, there is no record of groundwater in the immediate vicinity of this location. The depth to groundwater for this location is 225 feet according to the USGS web interface map. This well is located approximately .76 miles from the subject site. The Office of the State Engineer records indicate depth to groundwater to be 300 feet at the nearest well. Furthermore, the trend map reveals depth to groundwater at 200 feet. Based on the information from these three sources, we believe depth to groundwater to be between 200 feet and 225 feet.

After review of the groundwater data at this site, it is my opinion that there is sufficient information available to determine the groundwater is in excess of 200' bgs and most likely over 225' bgs. Therefore, any borehole advanced at the Humble Yates site will be installed in order to establish vertical extent rather than to prove groundwater is in excess of 50' bgs. During the advancement of the borehole, samples will be taken every 5' until two consecutive samples return <1000 ppm for TPH and <600 ppm for chlorides. Our telephone conversation this morning talked about unknown groundwater levels and I think these resources will establish DOW levels well over the 50' threshold for deferment.

On the point of horizontal extent, the four samples retrieved at a depth of 1' below the liner establishes that there is contamination under the majority of the area covered by the liner. However, while we are there, we will sample an additional 3 locations to further verify the horizontal extent of contamination

Bob Allen CSP, CHMM  
Office: (575) 397-0510  
Cell (575) 390-7063



# Maverick Natural Resources, Humble Yates Battery

MAV-19-001  
2RP-5384

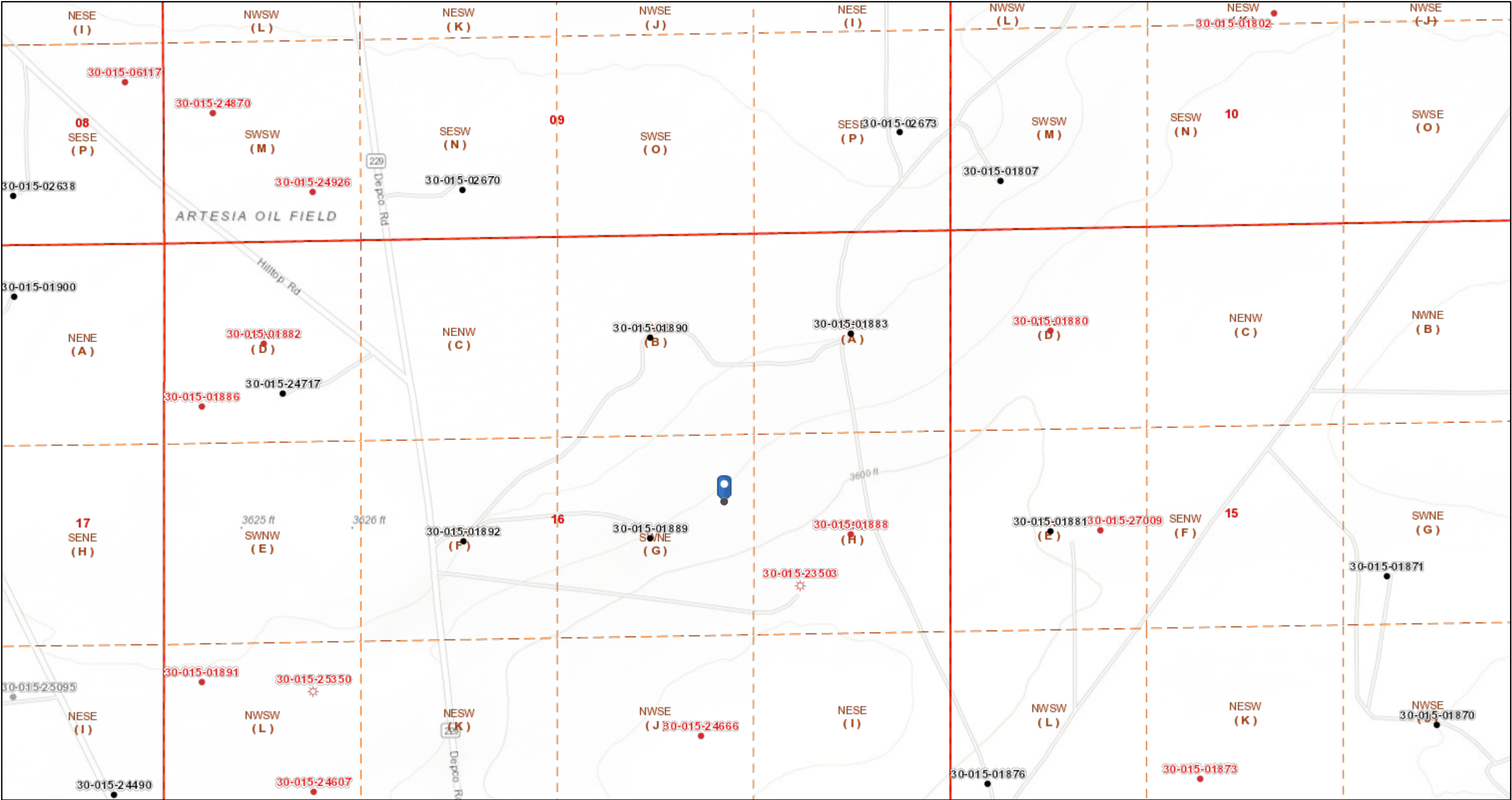
- Legend**
- Sample points
  - ▭ Spill area (red)



Google Earth

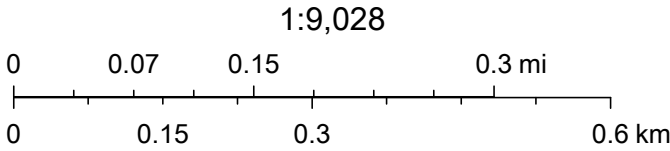


# Humble Yates Battery



2/3/2020, 11:23:51 AM

- |                     |                            |                                  |                                 |   |
|---------------------|----------------------------|----------------------------------|---------------------------------|---|
| Wells - Large Scale | CO2, Temporarily Abandoned | Injection, Active                | Oil, Cancelled                  | Salt Water Injection, New                   |
| undefined           | Gas, Active                | Injection, Cancelled             | Oil, New                        | Salt Water Injection, Plugged               |
| Miscellaneous       | Gas, Cancelled             | Injection, New                   | Oil, Plugged                    | Salt Water Injection, Temporarily Abandoned |
| CO2, Active         | Gas, New                   | Injection, Plugged               | Oil, Temporarily Abandoned      | Water, Active                               |
| CO2, Cancelled      | Gas, Plugged               | Injection, Temporarily Abandoned | Salt Water Injection, Active    | Water, Cancelled                            |
| CO2, New            | Gas, Temporarily Abandoned | Oil, Active                      | Salt Water Injection, Cancelled | Water, New                                  |
| CO2, Plugged        |                            |                                  |                                 |   |



Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department., Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI,



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## National Water Information System: Web Interface

USGS Water Resources

Data Category:


Groundwater ▼

Geographic Area:

New Mexico ▼

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Groundwater levels for New Mexico

Click to hide state-specific text

## Search Results -- 1 sites found

Agency code = usgs

site\_no list =

- 324424104103901

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

## USGS 324424104103901 18S.28E.21.21212

Available data for this site

Groundwater: Field measurements ▼

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°44'24", Longitude 104°10'39" NAD27

Land-surface elevation 3,580 feet above NGVD29

The depth of the well is 250.00 feet below land surface.

This well is completed in the Artesia Group (313ARTS) local aquifer.

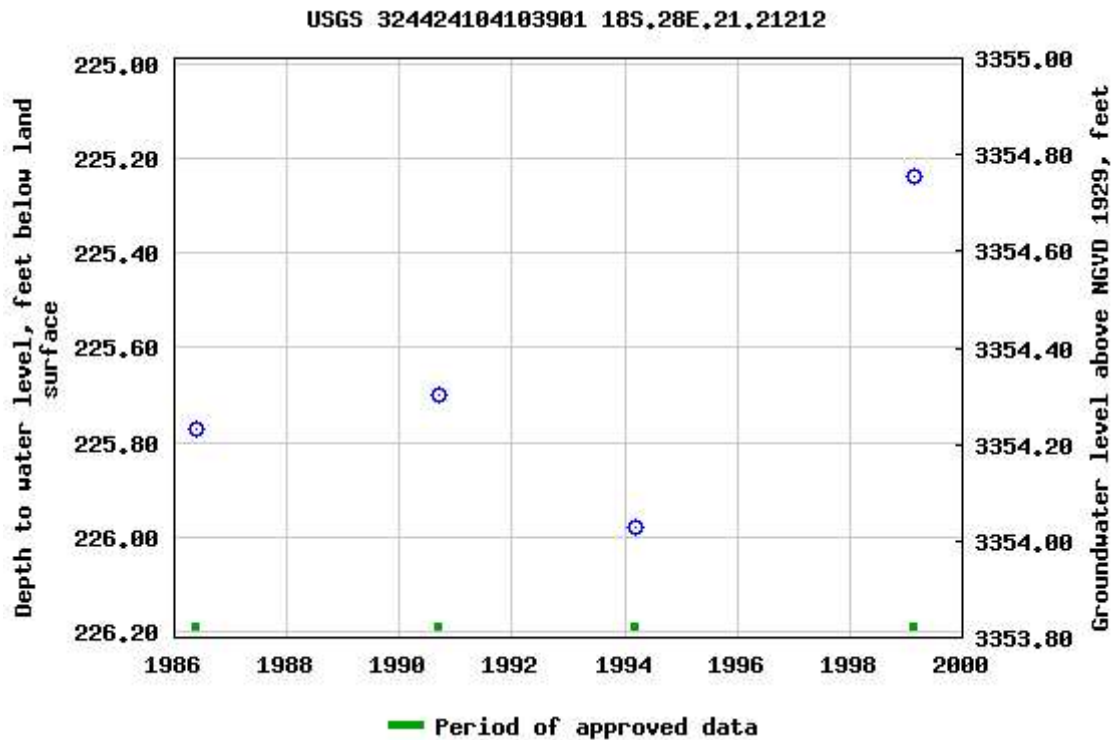
### Output formats

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Breaks in the plot represent a gap of at least one year between field measurements.

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**Title: Groundwater for New Mexico: Water Levels**

**URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>**

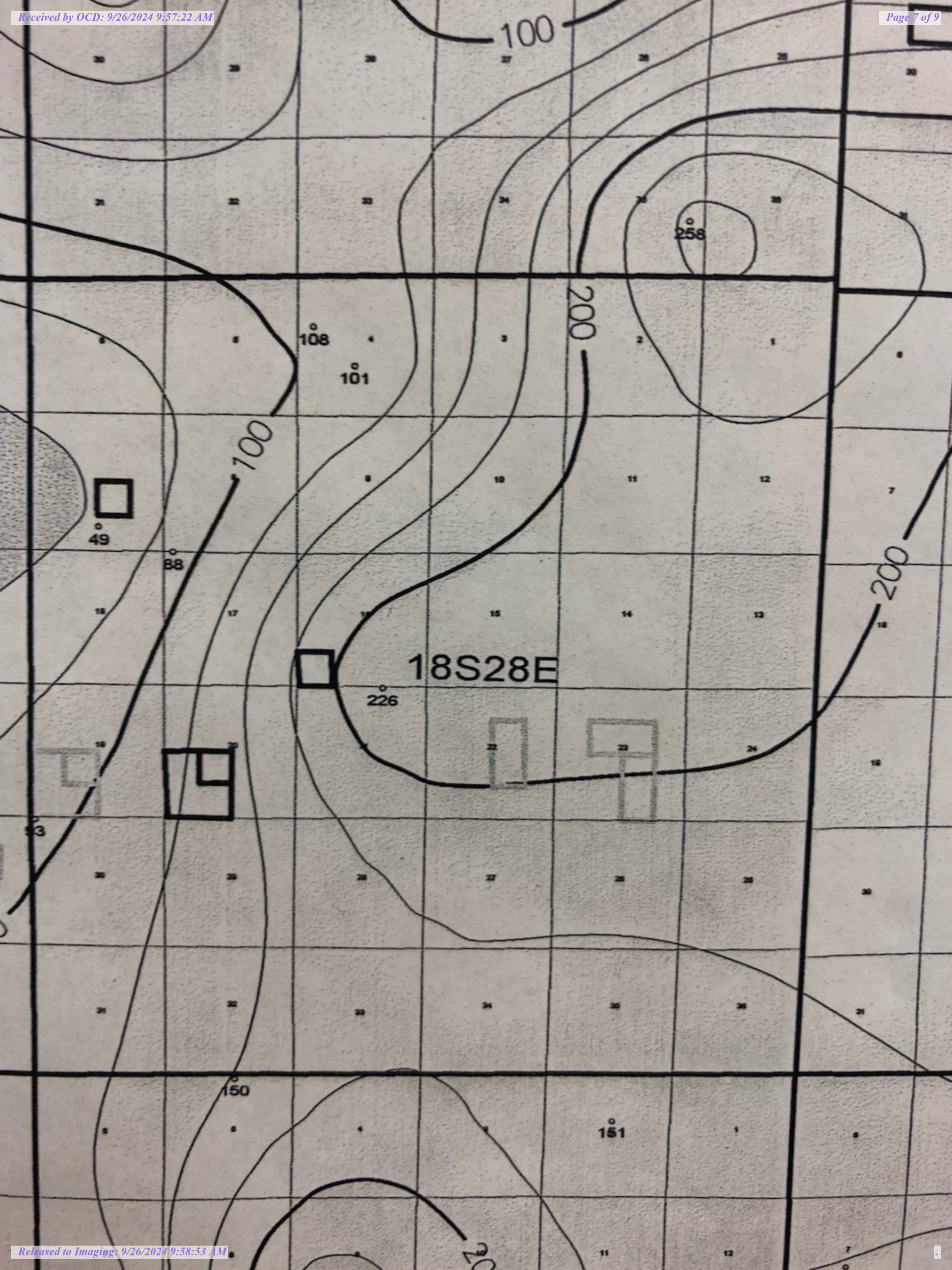


Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2020-02-03 11:45:06 EST

0.56 0.48 nadww01









# Untitled map

Write a description for your map.

Legend

 Test Trench

 Water well Identified in USGS Search





**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

CONDITIONS

Action 387239

CONDITIONS

Operator: MAVERICK OPERATING, LLC 1004 N Big Spring Street Midland, TX 79701	OGRID: 287160
	Action Number: 387239
	Action Type: [IM-SD] Incident File Support Doc (ENV) (IM-BNF)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Historical document upload.	9/26/2024