

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Form C-144  
June 1, 2004

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

For drilling and production facilities, submit to appropriate NMOCD District Office.  
For downstream facilities, submit to Santa Fe office

**Pit or Below-Grade Tank Registration or Closure**

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☒

Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator: <u>Arch Petroleum Inc.</u> Telephone: <u>432-685-8100</u> e-mail address: <u>wrightc@pogoproducing.com</u>		
Address: <u>P. O. Box 10340, Midland, TX 79702-7340</u>		
Facility or well name: <u>Christmas A #11</u>	API #: <u>30-025-36395</u>	U/L or Qtr/Qtr <u>B</u> Sec <u>27</u> T <u>22S</u> R <u>36E</u>
County: <u>Lea</u>	Latitude <u>32:22:08</u>	Longitude <u>103:15:01</u> NAD: 1927 <input checked="" type="checkbox"/> 1983 <input type="checkbox"/>
Surface Owner: Federal <input type="checkbox"/> State <input type="checkbox"/> Private <input type="checkbox"/> Indian <input checked="" type="checkbox"/>		
<b>Pit</b> Type: Drilling <input checked="" type="checkbox"/> Production <input type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/> Liner type: Synthetic <input checked="" type="checkbox"/> Thickness <u>6</u> mil Clay <input type="checkbox"/> Pit Volume <u>4000</u> bbl	<b>Below-grade tank</b> Volume: <u>    </u> bbl Type of fluid: <u>                    </u> Construction material: <u>                    </u> Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not. <u>                    </u>	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) ( 0 points) 0
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes No	(20 points) ( 0 points) 0
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) ( 0 points) 0
Ranking Score (Total Points)		0

**If this is a pit closure:** (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if you are burying in place) onsite ☒ offsite ☐ If offsite, name of facility                     . (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☒ Yes ☐ If yes, show depth below ground surface                      ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments: <u>Constructed before 4/15/04</u>

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Date: 03/23/05

Printed Name/Title Cathy Wright, Sr Eng Tech

Signature Cathy Wright

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

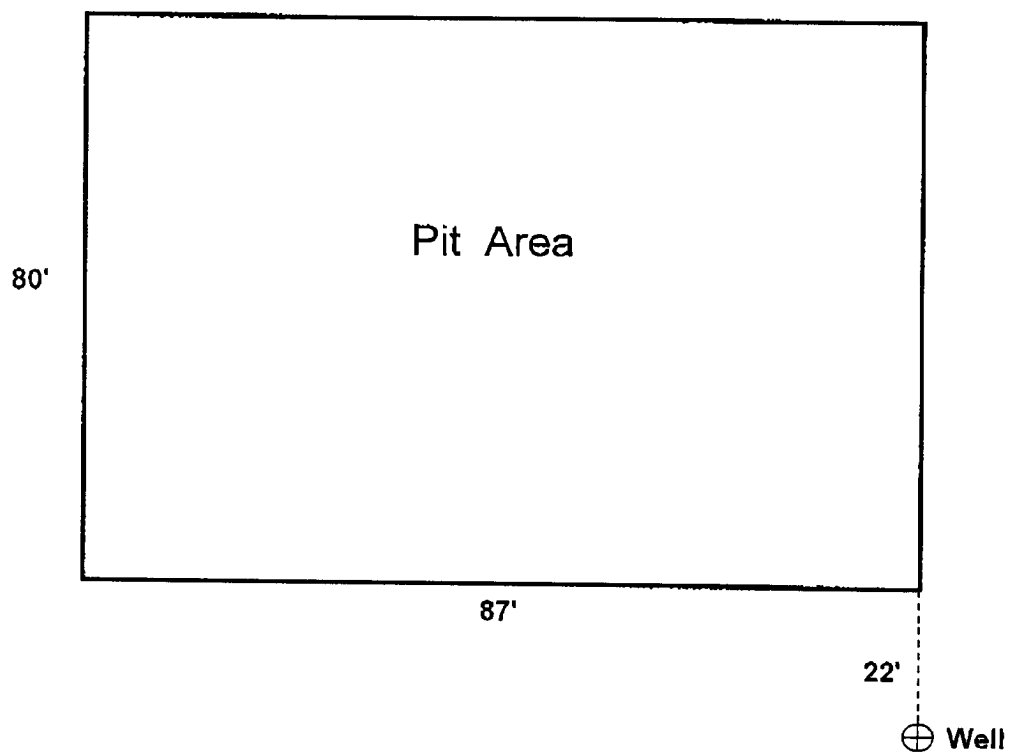
Approval:

Printed Name/Title GARY W. WINK / STAFF MGR

Signature Gary W. Wink

Date: 3/31/05

**CHRISTMAS "A" #11**



B/27/22S/36E

30-025-36395

N 32° 22' 08"

W 103° 15' 01"

#### Pit Closing Procedure:

Pits are dewatered. Dirt contractor digs a deep bury pit adjacent to the drilling pit. Deep bury pit is lined with 12 mil plastic. Dirt contractor pushes contents of drilling pit into the deep bury pit. Deep bury pit is capped with 20 mil plastic then covered with 3 feet of fill dirt.

Water Resources

Data Category:

Site Information

Geographic Area:

New Mexico

go

# Site Map for New Mexico

USGS 322032103143101 22S.36E.35.313224

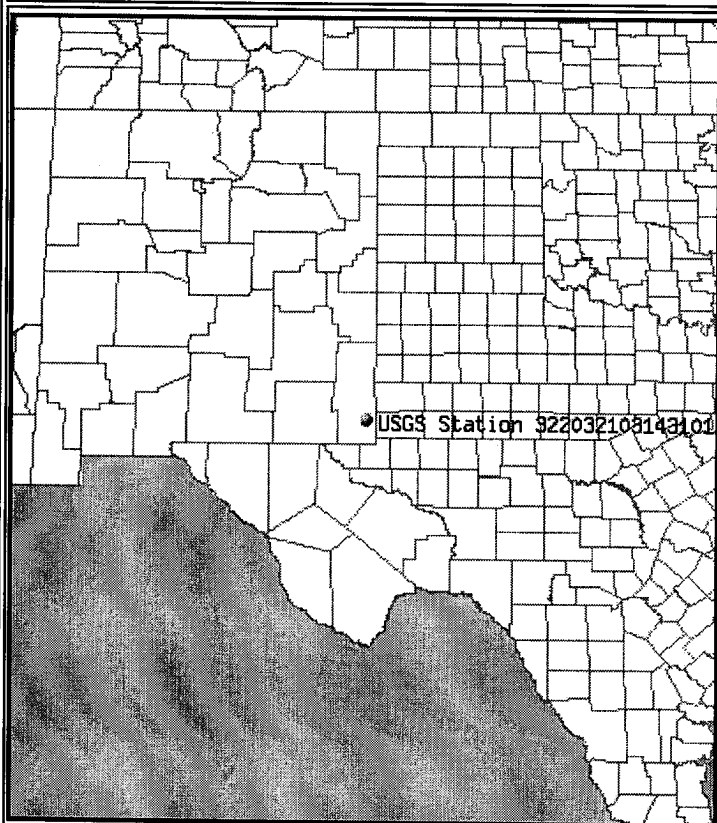
Available data for this site

site map

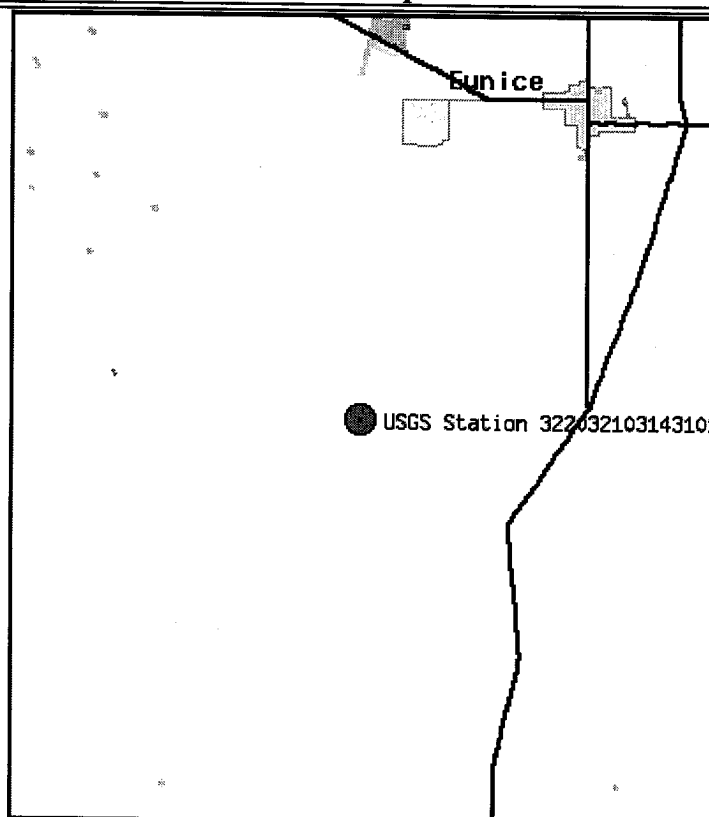
GO

Lea County, New Mexico  
Hydrologic Unit Code 13070007  
Latitude 32°20'32", Longitude 103°14'31" NAD27  
Gage datum 3,496.70 feet above sea level NGVD29

## Location of the site in New Mexico.



## Site map.



ZOOM IN 2X, 4X, 6X, 8X, or ZOOM OUT 2X, 4X, 6X, 8X.

Maps are generated by US Census Bureau TIGER Mapping Service.

Questions about data [New Mexico NWISWeb Data Inquiries](#)  
Feedback on this website [New Mexico NWISWeb Maintainer](#)  
NWIS Site Inventory for New Mexico: Site Map  
<http://waterdata.usgs.gov/nm/nwis/nwismap?>

[Top](#)  
[Explanation of terms](#)

Retrieved on 2005-03-15 11:28:06 EST  
Department of the Interior, U.S. Geological Survey  
USGS Water Resources of New Mexico  
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1.19 0.94 nadww01

Water Resources

Data Category:

Ground Water

Geographic Area:

New Mexico

go

# Ground-water levels for New Mexico

## Search Results -- 1 sites found

Search Criteria

site_no list =	• 322032103143101
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[Save file of selected sites to local disk for future upload](#)
**USGS 322032103143101 22S.36E.35.313224**

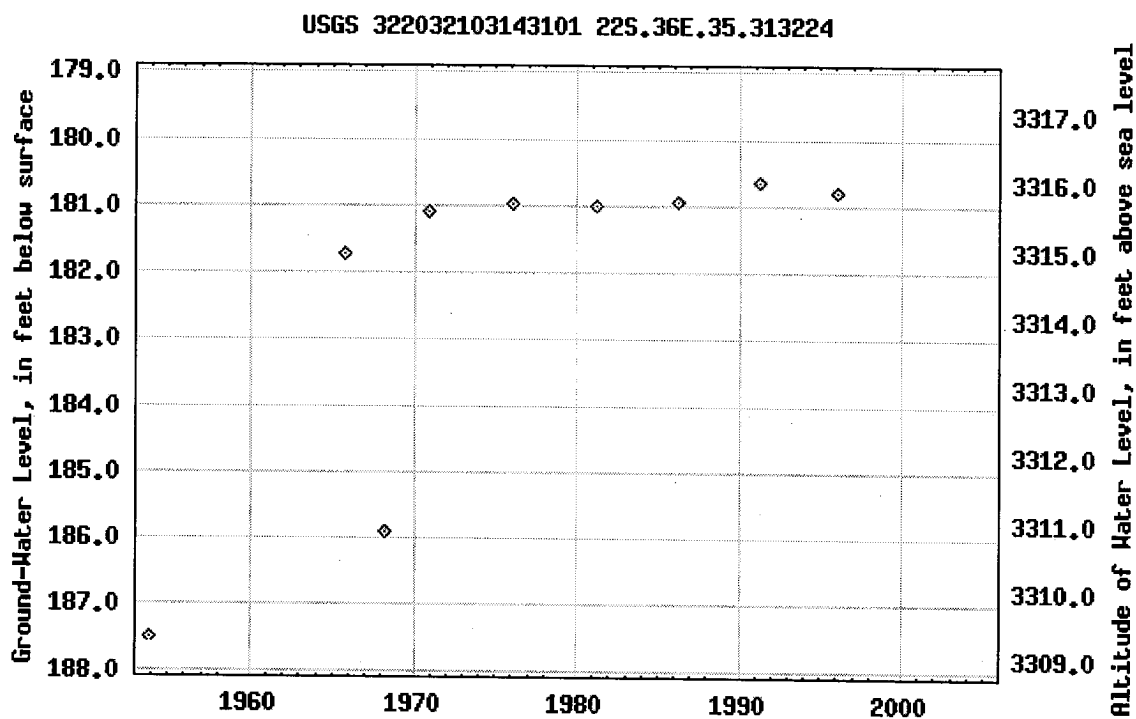
Available data for this site

Ground-water: Levels

GO

Lea County, New Mexico  
 Hydrologic Unit Code 13070007  
 Latitude 32°20'32", Longitude 103°14'31" NAD27  
 Gage datum 3,496.70 feet above sea level NGVD29  
 The depth of the well is 197 feet below land surface.  
 This well is completed in OGALLALA FORMATION (121OGLL)

### Output formats

[Table of data](#)
[Tab-separated data](#)
[Graph of data](#)
[Reselect period](#)


DATES: 11/23/1953 to 03/15/2005 23:59

Breaks in the plot represent a gap of at least one calendar year between two consecutive points.  
[Download a presentation-quality graph](#)

# Great Circle Calculator.

By Ed Williams

You need Javascript enabled if you want this page to do anything useful! For Netscape, it's under Options/Network Preferences/Languages.

## Compute true course and distance between points.

Enter lat/lon of points, select distance units and earth model and click "compute". Lat/lons may be entered in DD.DD, DD:MM.MM or DD:MM:SS.SS formats.

Note that if either point is very close to a pole, the course may be inaccurate, because of its extreme sensitivity to position and inevitable rounding error.

Input Data

Lat1		Lon1	
32:20:32	N	103:14:31	W
Lat2		Lon2	
32:22:08	N	103:15:01	W

Output

Course 1-2	Course 2-1	Distance
345.214501	165.210041	1.654810504

Distance Units:  Earth model:

## Compute lat/lon given radial and distance from a known point

Enter lat/lon of initial point, true course and distance. Select distance units and earth model and click "compute". Lat/lons may be entered in DD.DD, DD:MM.MM or DD:MM:SS.SS formats.

Note that the starting point cannot be a pole.

Input data

Lat1		Lon1	
0:00.00	N	0:00.00	W
Course 1-2		Distance 1-2	
360		0.0	