<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 District III

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

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

Form C-144

June 1, 2004

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

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

Type of action: Registration of a pit or below-grade tank kx Closure of a pit or below-grade ta

Type of action. Registration of a pre-	of below-grade tank RX Closure of a pit of below-gra		
Operator: Pogo Producing Company Telephon Address: P. O. Box 10340, Midland, TX 7970		ghtc@pogoproducing.com	
Facility or well name: Foxglove 30 Fed #1 API #:		Sec 30 T 23S R 33E	
		36:16.35W <sub>NAD: 1927</sub> 🗷 1983	
Surface Owner: Federal State Private Indian	Dongitude 103:	30:10.3 JWNAD: 1927 KJ 1983 L	
Pit	Below-grade tank		
Type: Drilling 🗷 Production 🗌 Disposal 🗌	Volume:bbl Type of fluid:		
Workover ☐ Emergency ☐	Construction material:  Double-walled, with leak detection? Yes  If not, explain why not.		
Lined \(\overline{\overlin			
Liner type: Synthetic 🖼 Thickness 1.2 mil Clay 🗌			
Pit Volume 16000bbl			
Donal to a second and the first of the second and t	Less than 50 feet	(20 points)	
Depth to ground water (vertical distance from bottom of pit to seasonal	50 feet or more, but less than 100 feet	(10 points)	
high water elevation of ground water.)	100 feet or more X	( 0 points) O	
Wellhead protection area: (Less than 200 feet from a private domestic	Yes	(20 points)	
	No	( () points)	
water source, or less than 1000 feet from all other water sources.)	X	0	
Distance to surface water: (horizontal distance to all wetlands, playas,	Less than 200 feet	(20 points)	
irrigation canals, ditches, and perennial and ephemeral watercourses.)	200 feet or more, but less than 1000 feet	(10 points)	
	1000 feet or more X	( 0 points)	
	Ranking Score (Total Points)	0	
If this is a pit closure: (1) Attach a diagram of the facility showing the pit' your are burying in place) onsite offsite from If offsite, name of facility remediation start date and end date. (4) Groundwater encountered: No offsite Statach soil sample results and a diagram of sample locations and excavated Additional Comments:	(2) A441	description of remedial action taken including	
reditional Comments.	151	DOACOO 22	
	13.14	Non 6	
	12	, Will 30/	
		OL STATE	
		8/99451	
I hereby certify that the information above is true and complete to the best has been/will be constructed or closed according to NMOCD guideline	of my knowledge and belief. I further certify that t	he above-described nit or below-grade tank	
	ъ ы, а general permit 🗀, or an (attacned) alterna	tive OCD-approved plan □.	
Date: 06/02/05 Printed Name/Title Cathy Wright, Sr. Eng Tech	Signature Calky Illy	Let .	
Your certification and NMOCD approval of this application/closure does not otherwise endanger public health or the environment. Nor does it relieve to regulations.	not relieve the operator of liability should the contents	of the pit or tank contaminate ground water or my other federal, state, or local laws and/or	
Approval: Printed Name/Title PETROLEUM ENGINEER	Signature	Date: JUN 0 8 2005	

Water Resources

Data Category:
Site Information

Geographic Area: New Mexico

go

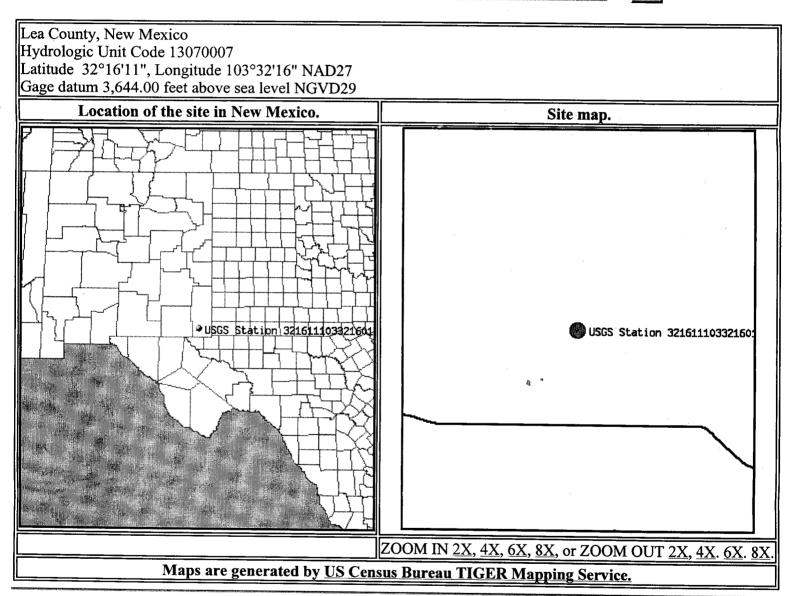
# Site Map for New Mexico

USGS 321611103321601 23S.33E.26.42100

Available data for this site

site map

GO



Questions about data New Mexico NWISWeb Data Inquiries Feedback on this websiteNew Mexico NWISWeb Maintainer NWIS Site Inventory for New Mexico: Site Map http://waterdata.usgs.gov/nm/nwis/nwismap?

Top Explanation of terms

Retrieved on 2005-06-02 16:31:14 EDT

Department of the Interior, U.S. Geological Survey
USGS Water Resources of New Mexico

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0.9 0.9 nadww01



**Water Resources** 

**Data Category: Ground Water**  Geographic Area:

New Mexico



# **Ground-water levels for New Mexico**

Search Results -- 1 sites found

Search Criteria

• 321611103321601 site no list =

Save file of selected sites to local disk for future upload

#### USGS 321611103321601 23S.33E.26.42100

Available data for this site

Ground-water: Levels

GO

**Output formats** Lea County, New Mexico Hydrologic Unit Code 13070007 Table of data Latitude 32°16'11", Longitude 103°32'16" NAD27 Tab-separated data Gage datum 3,644.00 feet above sea level NGVD29 The depth of the well is 190 feet below land surface. Graph of data This well is completed in CHINLE FORMATION (231CHNL) Reselect period USGS 321611103321601 235.33E.26.42100 120 Ground-Water Level, in feet below surface 3520 Δ Δ Δ 130 3510 140 3500 150 3490 160 3480 178 Δ 3478 189 1976 1979 1982 1985 1988 1991 1994 1997 2000 2003 2006 Breaks in the plot represent a gap of at least one calendar year between two consecutive points. Download a presentation-quality graph

Questions about data

New Mexico NWISWeb Data Inquiries Feedback on this websiteNew Mexico NWISWeb Maintainer

Top Explanation of terms

# Great Circle Calculator.

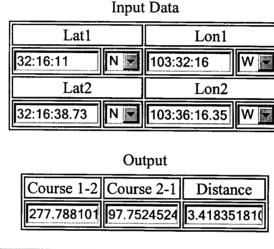
### By Ed Williams

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.



Distance Units: nm 🔻	Earth model:	Spherical (1'=1nm)	[2]
Compute Reset			

## 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

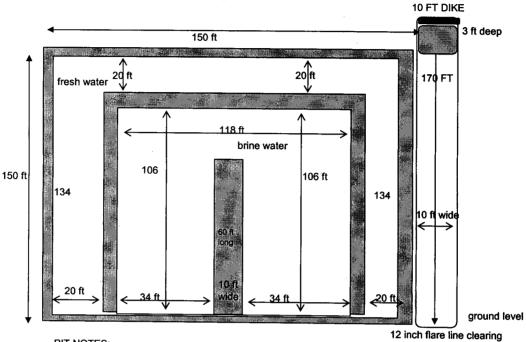
 0:00.00
 N ☑ 0:00.00
 W ☑

 Course 1-2
 Distance 1-2

 360
 0.0

# **POGO Producing Company** Foxglove 30 Federal #1 **Approximate Pit Dimensions**

1980' FNL & 66 FEL, Sec 30, T23S, R33E, Lea County, New Mexico API #



PIT NOTES:

Pit will be lined with 12 mil Black plastic w/ UV protection.

Pit walls are 6 ft to 8 ft wide.

Pit is 9 ft deep below ground level plus 3 ft walls

Pit walls are 2 ft above ground level.

Caliche mined from the pit as well as some caliche hauled in will be used to make Well Pad.

Fresh Water volume to ground level =  $\pm$  7750 bbls

Brine Water volume to ground level = ± 8200 bbls

12 inch Flare line laid on gradual descending graded ROW away from rig to avoid fluid trapping

Fresh water well = (Nad 27) 32° 16' 11" N & 103° 32' 16" W "Published data"

This well produces from a depth greater than 100 ft.

Pit equals approx 16000 bbls