

District I
3625 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-101
March 4, 2004

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

Submit to appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

| | | |
|---|--|---|
| ¹ Operator Name and Address Pogo Producing Company P. O. Box 10340 Midland, TX 79702-7340 | | ² OGRID Number 017891 |
| | | ³ API Number 30 - 025-34517 |
| ³ Property Code 23819 | ⁵ Property Name Pluma 29 State | ⁶ Well No. 1 |

⁷ Surface Location

| | | | | | | | | | |
|--------------------|---------------|-----------------|--------------|---------|-----------------------|---------------------------|-----------------------|------------------------|---------------|
| UL or lot no. G | Section 29 | Township 15S | Range 32E | Lot Idn | Feet from the 2287 | North/South line North | Feet from the 1796 | East/West line East | County Lea |
|--------------------|---------------|-----------------|--------------|---------|-----------------------|---------------------------|-----------------------|------------------------|---------------|

⁸ Proposed Bottom Hole Location If Different From Surface

| | | | | | | | | | |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|

⁹ Proposed Pool 1

Feather Wolfcamp

¹⁰ Proposed Pool 2

Anderson Ranch N. Cisco Canyon

Drilling Pit Location and Other Information

| | | | | | | | | | |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|

Depth to
ground water

more than 100'

Distance from nearest
fresh water well

less than 1 mile

Distance from nearest
surface water

more than 1000'

¹¹ Work Type Code
P

¹² Well Type Code
0

¹³ Cable/Rotary

¹⁴ Lease Type Code
S

¹⁵ Ground Level Elevation
4320'

¹⁶ Multiple
No

¹⁷ Proposed Depth

¹⁸ Formation
Cisco/Wolfcamp

¹⁹ Contractor

²⁰ Spud Date
When Approved

²¹ Proposed Casing and Cement Program

| Hole Size | Casing Size | Casing weight/foot | Setting Depth | Sacks of Cement | Estimated TOC |
|-----------|-------------|--------------------|---------------|-----------------|---------------|
| 17-1/2 | 13-3/8 | 48 | 445 | 490 sks | |
| 11 | 8-5/8 | 32 | 4190 | 2930 sks | |
| 7-7/8 | 5-1/2 | 17 | 10,801 | 2800 sks | |
| | | | | | |
| | | | | | |

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

SEE ATTACHED

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Signature:

Cathy Wright

Printed name: Cathy Wright

Title: Sr. Operation Tech

E-mail Address: wrightc@pogoproducing.com

Date: 05/19/04

Phone: 432-685-8100

OIL CONSERVATION DIVISION

Approved by:

Paul J. [Signature]
PETROLEUM ENGINEER

Title:

Approval Date: JUN 02 2004

Expiration Date:

Conditions of Approval:

Attached ☐

Pogo Producing Company
Pluma 29 State #1
2287' FNL & 1796' FEL
Section 29, T15S, R32E
Lea County, NM
30-025-34517

Pogo Producing Company respectfully request permission to plugback from the Morrow and test the Cisco & Wolfcamp in the Pluma 29 State #1 using the following procedure:

1. NU 5M BOP.
2. Set RBP @ 1,500'. Test to 3000#. Disp hole w/ 2% KCL & cap RBP w/ SN.
3. Perf Cisco w/ 2 spf 10,121'-30'.
4. Acdz Cisco w/ 15% acid.
5. Swab test.
6. Perf Wolfcamp 9926'-40' w/ 2 spf.
7. Acdz Wolfcamp w/ 15% acid.
8. Swab test.
9. Perf Wolfcamp 9839'-43' & 9859'-82' w/ 2 spf.
10. Acdz Wolfcamp w/ 15% acid.
11. Swab test & evaluate.

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Form C-144
March 12, 2004

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: Pogo Producing Company Telephone: 432-685-8100 e-mail address: wrightc@pogoproducing.com
Address: P.O. Box 10340, Midland, TX 79702-7340
Facility or well name: Pluma 29 State #1 API #: 30-025-34517 U/L or Qtr/Qtr SW/NE Sec 29 T 15 R 32
County: Lea Latitude 32 59 19.25N Longitude 103 44 12.48W WAD: 1927 ☐ 1983 ☐ Surface Owner Federal ☐ State ☒ Private ☐ Indian ☐

Pit

Type: Drilling ☐ Production ☐ Disposal ☐

Workover ☒ Emergency ☐

Lined ☒ Unlined ☐

Liner type: Synthetic ☒ Thickness 12 mil Clay ☐ Volume 2000 bbl

Below-grade tank

Volume: _____ bbl Type of fluid: _____

Construction material: _____

Double-walled, with leak detection? Yes ☐ If not, explain why not. _____

Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)

| | |
|---|---------------|
| Less than 50 feet | (20 points) |
| 50 feet or more, but less than 100 feet | (10 points) |
| 100 feet or more | (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 | (20 points) |
| No | (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 | (20 points) |
| 200 feet or more, but less than 1000 feet | (10 points) |
| 1000 feet or more | (0 points) 0 |

Ranking Score (Total Points)

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:

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.

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: 05/19/04

Printed Name/Title Cathy Wright, Sr Oper 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:

Date: 6/1/04

Printed Name/Title

Signature [Signature]

PETROLEUM ENGINEER

Ground-water levels for New Mexico

Search Results -- 1 sites found

Search Criteria

site_no list = • 325846103435401

Save file of selected sites to local disk for future upload

USGS 325846103435401 15S.32E.29.44441

Available data for this site

Ground-water: Levels

GO

Lea County, New Mexico
Hydrologic Unit Code 12080003
Latitude 32°58'46", Longitude 103°43'54" NAD27
Gage datum 4,314.80 feet above sea level NGVD29
The depth of the well is 348 feet below land surface.
This well is completed in OGALLALA FORMATION (121OGLL)

Output formats

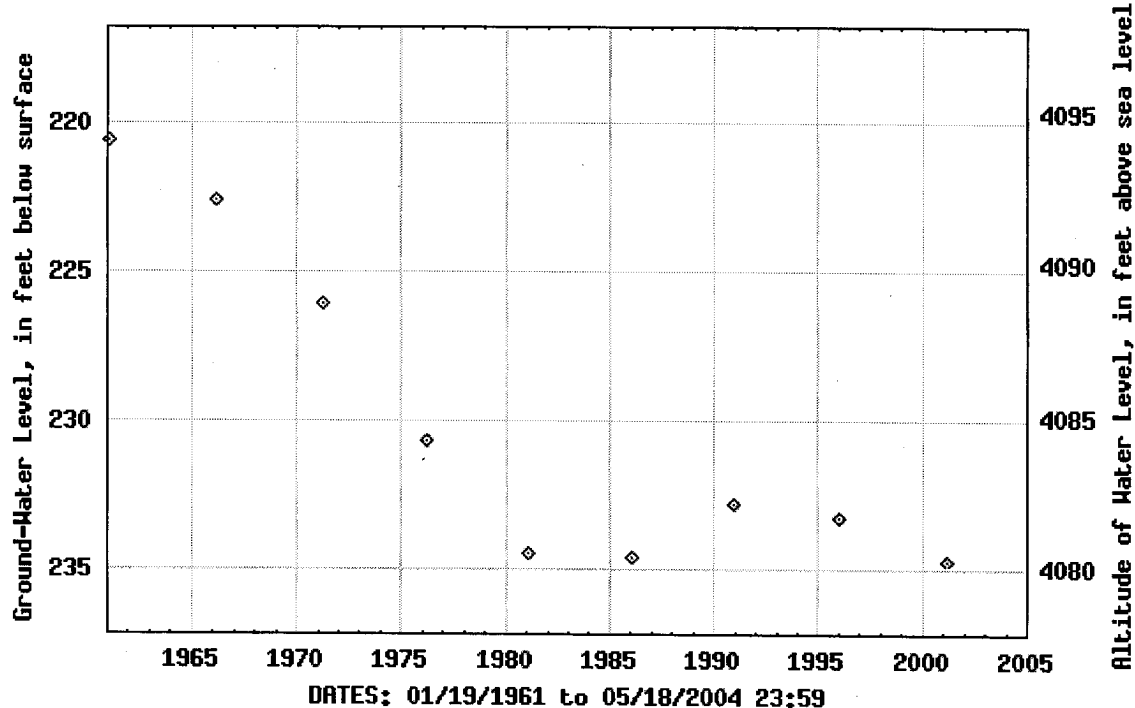
Table of data

Tab-separated data

Graph of data

Reselect period

USGS 325846103435401 15S.32E.29.44441



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



The World Air Sports Federation

Fédération Aéronautique Internationale



WORLD DISTANCE CALCULATOR

Version 1.0 dated 30 October 2001

[Click here to download a version of this page suitable for offline use](#)

(operation instructions available at the end of this page)

Input = Lat/Longs to the same Geodetic Datum, preferably WGS84

| | | | |
|--|--------------------------------|---|--------------------------------|
| Lat 1 | | Long 1 | |
| <input type="text" value="32:59:19.25"/> | <input type="text" value="N"/> | <input type="text" value="103:44:12.48"/> | <input type="text" value="W"/> |
| Lat 2 | | Long 2 | |
| <input type="text" value="32:58:46"/> | <input type="text" value="N"/> | <input type="text" value="103:43:54"/> | <input type="text" value="W"/> |

Distance Units:

Earth model:

COMPUTE

RESET

Output = true courses, then shortest distance on the surface of the selected world model

| | |
|-------------------|--------------------|
| Course 1-2 (deg) | 155.0032714878908 |
| Course 2-1 (deg) | 335.0060661039759 |
| Shortest distance | 0.7040978589357532 |

FAI Web Site Directions :

Air sports:

Technical Commissions:

Other sections of the Web Site:

events.fai.org

The home of Air Sport Competition Information. The FAI Sporting Calendar and results of all major FAI Championships are available at this address.

Communication Links

Receive automatically [FAI's News releases](#) and other information such as world record notifications. We have a number of mailing lists to which you can freely subscribe.

Our Discussion Board at board.fai.org gives you the opportunity to publicly discuss issues relating to air sports.

OPERATION:

1. For the calculator to operate, Javascript must be enabled. With MS Windows 98 or later and MS Internet Explorer, Javascript is normally enabled by default. For Netscape Navigator, see Options/ Network Preferences/ Languages, for Netscape Communicator see Edit/ Preferences/ Advanced.
2. Read the operating instructions below and the notes at the end. Scroll the display so that all of the boxes are on screen with the Lat/Long boxes at the top and the output boxes towards the bottom of the screen. You are now ready to make calculations.
3. Enter Latitude and Longitude for the points at the beginning and

32°59' 19.25"
103° 44' 12.48"

Data Category:

Site Information

Geographic Area:

New Mexico

go

Site Map for New Mexico

USGS 325846103435401 15S.32E.29.44441

29/15/32
Plume #1

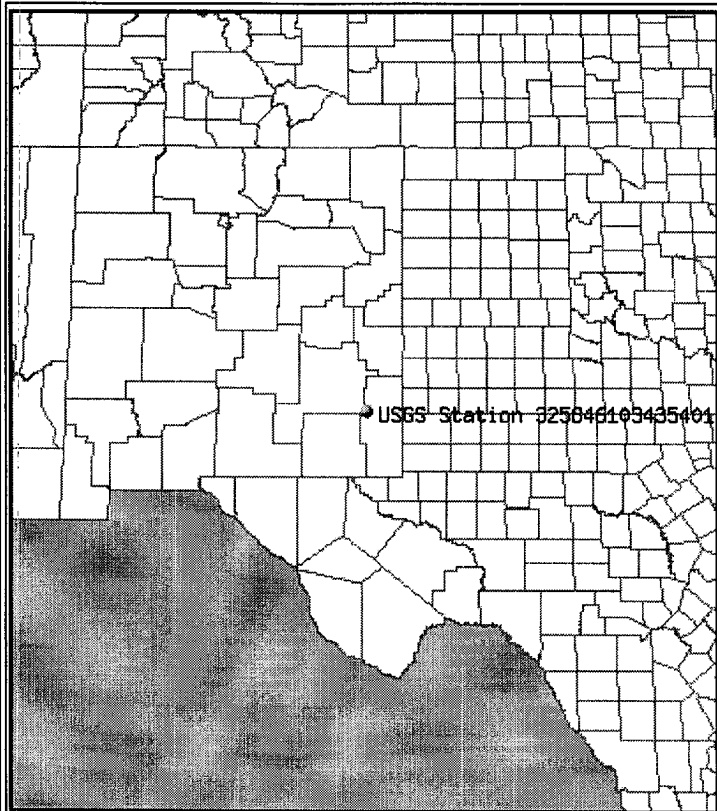
Available data for this site

Station site map

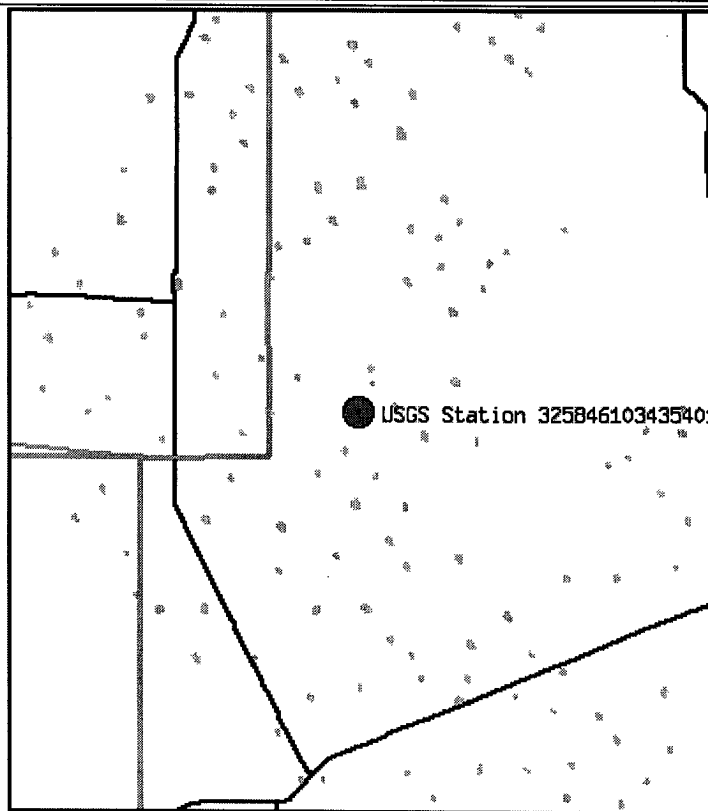
GO

Lea County, New Mexico
Hydrologic Unit Code 12080003
Latitude 32°58'46", Longitude 103°43'54" NAD27
Gage datum 4,314.80 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 gs-w-nm_NWISWeb_Data_Inquiries@usgs.gov
Feedback on this website gs-w-nm_NWISWeb_Maintainer@usgs.gov
NWIS Site Inventory for New Mexico: Site Map
<http://waterdata.usgs.gov/nm/nwis/nwismap?>

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[Explanation of terms](#)

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USGS Water Resources of New Mexico
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