

OCD-HOBBS

RESUBMITTAL

F-06-03

Form 160-3
(July 1992)UNITED STATES
DEPARTMENT OF THE INTERIORSUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)FORM APPROVED
OMB NO. 1004-0136
Expires: February 28, 1995

BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Pogo Producing Company

3. ADDRESS AND TELEPHONE NO.

P. O. Box 10340, Midland, TX 79702-7340 432-685-8100

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface 330' FSL & 660' FEL, Section 28

At proposed prod. zone

same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approximately 25 miles East of Carlsbad New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT
(Also to nearest drlg. unit line, if any)

330'

16. NO. OF ACRES IN LEASE

320

17. NO. OF ACRES ASSIGNED

TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

1650'

19. PROPOSED DEPTH

8900'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3598' GR

Carlsbad Controlled Water Park

22. APPROX. DATE WORK WILL START*

When approved

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
25	Conductor	NA	40	Cmt to surface w/ Redi-mix
17-1/2	13-3/8 J-55	54.5	1000	1000 sxs - circ to surface
11	8-5/8 J-55	32	4700	1800 sxs - circ to surface
7-7/8	5-1/2 J-55	17 & 15.5	8900	1200 sxs - est TOC 3000'

1. Drill 25" hole to 40'. Set 40' of 20" conductor pipe and cement to surface w/ Redi-mix.

2. Drill 17-1/2" hole to 1000'. Run & set 1000' of 13-3/8" 54.5# J-55 ST&C csg. Cmt w/ 1000 sks Cl "C" cmt + 2% CaCl2 + 1/4# Flocele/sk. Circ cmt to surface.

3. Drill 11" hole to 4700'. Run & set 4700' of 8-5/8" csg as follows: 500' of 8-5/8" 32# S-80 ST&C csg, 4200' of 8-5/8" 32# J-55 ST&C. Cmt w/ 1800 sks Cl "C" cmt + 2% CaCl2 + 1/4# Flocele/sk. Circ cmt to surface.

4. Drill 7-7/8" hole to 8900'. Run & set 8900' 5-1/2" csg as follows: 2900' of 5-1/2" 17# J-55, LT&C, 5000' of 5-1/2" 15.5# J-55 LT&C, 1000' of 5-1/2" 17# J-55 LT&C. Cmt in two stages, DV tool @ ±6200'. Cmt 1st stage w/ 600 sks Cl "H" Premium Plus cmt + add, 2nd stage cmt w/ 600 sks Cl "H" cmt + add. Est TOC 3000' FS.

Witness Surface Casing

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS

IN ABOVE SPACE DESCRIBE PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

TITLE

Sr Eng Tech

DATE 02/28/06

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

/s/ Tony J. Herrell

TITLE

FIELD MANAGER

DATE

APR 03 2006

*See Instructions On Reverse Side

APPROVAL FOR 1 YEAR

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DISTRICT I
P.O. Box 1830, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT III
1000 Rio Brazos Rd., Artec, NM 87410

DISTRICT IV
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code 51683	Pool Name RED TANK - BONE SPRING
Property Code 47271 9342	Property Name RED TANK "28" FEDERAL	Well Number 2
GRID No. 17891	Operator Name POGO PRODUCING COMPANY	Elevation 3598'

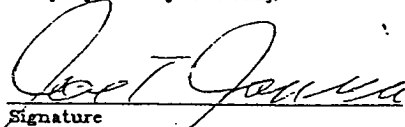
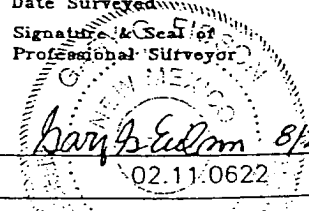
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	28	22-S	32-E		330	SOUTH	660	EAST	LEA

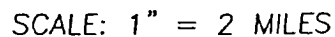
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

				OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.  Signature Joe T. Janica Printed Name Agent Title 09/16/02 Date			
				SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. AUGUST 26, 2002 Date Surveyed A.W.B. Signature & Seal of Professional Surveyor  02.11.0622 Certificate No. RONALD J. EIDSON 3239 GARY EIDSON 12641			
				DETAIL 3599.1' 3601.5' 3596.1' 3602.0'			
				SEE DETAIL 660'			

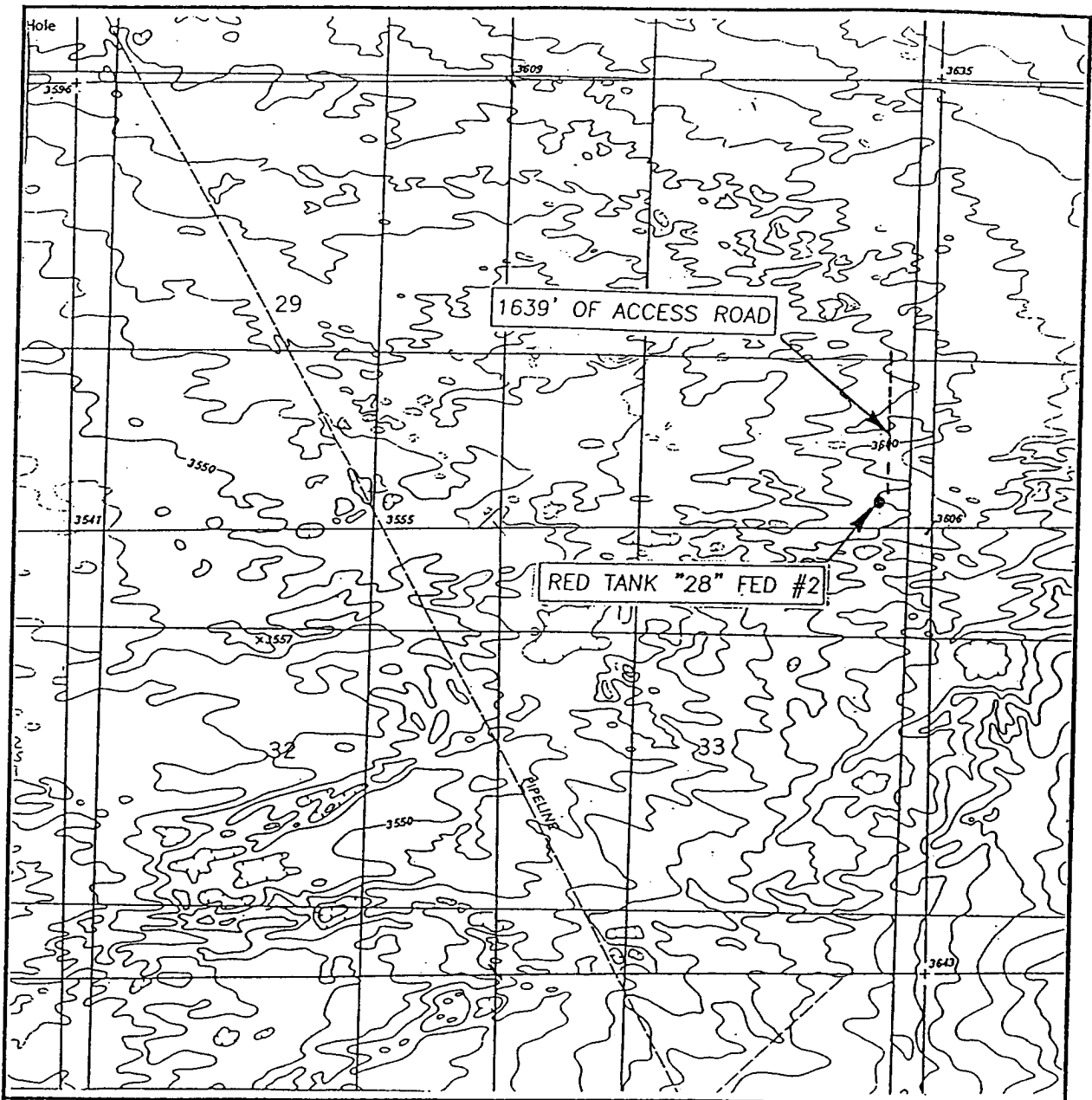
THE NORTH



LEASE RED TANK "28" FEDERAL

JOHN WEST SURVEYING
HOBBS, NEW MEXICO
(505) 393-3117

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: 10'
BOOTLEG RIDGE, N.M.

SEC. 28 TWP. 22-S RGE. 32-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 330' FSL & 660' FEL

ELEVATION 3598'

OPERATOR POGO PRODUCING COMPANY

LEASE RED TANK "28" FEDERAL

U.S.G.S. TOPOGRAPHIC MAP
BOOTLEG RIDGE, N.M.

JOHN WEST SURVEYING
HOBBS, NEW MEXICO
(505) 393-3117

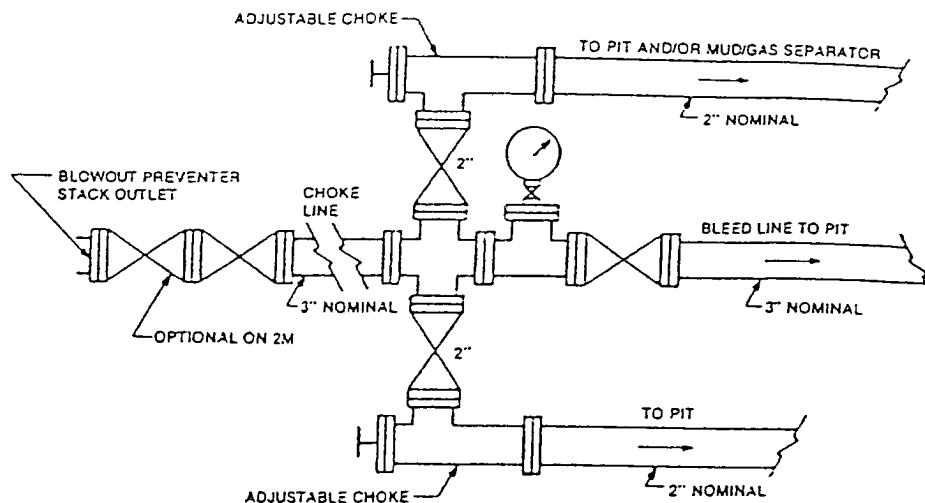


FIGURE K4-1. Typical choke manifold assembly for 2M and 3M rated working pressure service — surface installation.

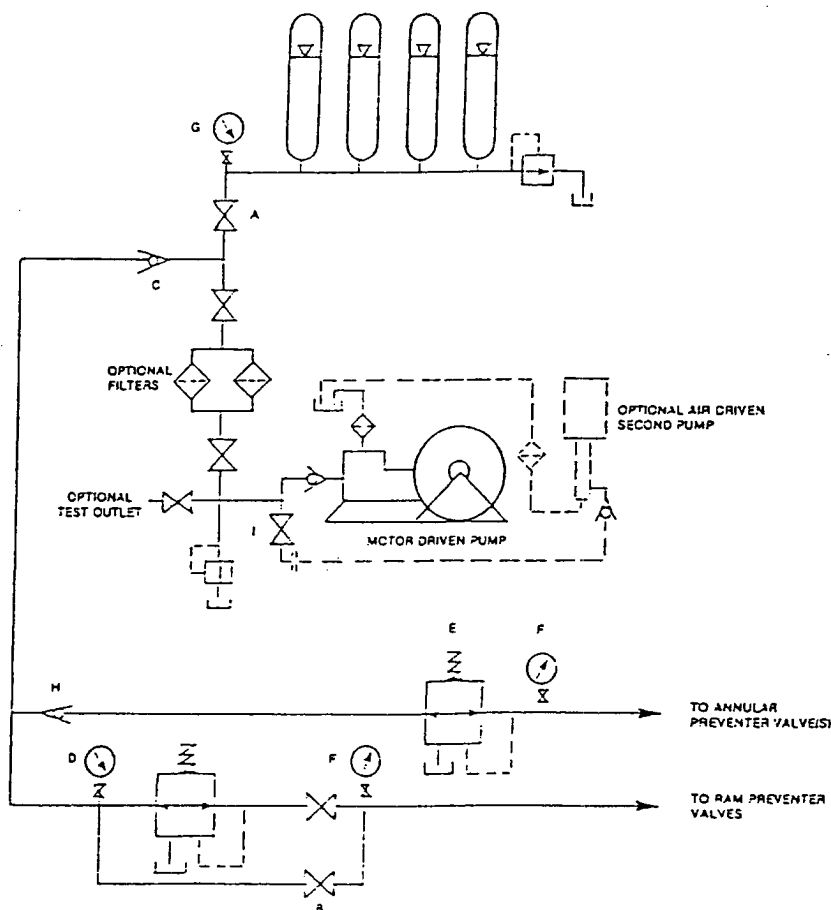


FIGURE K6-1. The schematic sketch of an accumulator system shows required and optional components.

EXHIBIT "E-1"
CHOKE MANIFOLD & CLOSING UNIT

POGO PRODUCING COMPANY
RED TANK "28" FEDERAL # 2
UNIT "P" SECTION 28
T22S-R32E LEA CO. NM

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

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

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: Red Tank 28 Federal #2 API #: 30-025-37772 U/L or Qtr/Qtr P Sec 28 T 22S R 32E
County: Lea Latitude 32:22:08.47 Longitude 103:40:17.36 NAD: 1927 ☐ 1983 ☐ Surface Owner Federal ☒ State ☐ Private ☐ Indian

Pit	Below-grade tank	
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>12</u> mil Clay <input type="checkbox"/> Volume <u>16000</u> bbl	Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes <input type="checkbox"/> 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 X	(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 X	(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 X	(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: 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: 4/6/06

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:

Date: APR 17 2006

Printed Name/Title

PETROLEUM ENGINEER

Signature [Signature]

Water Resources

Data Category:

Site Information

Geographic Area:

New Mexico

go

Site Map for New Mexico

USGS 322314103384301 22S.32E.14.32322

Available data for this site

site map



Lea County, New Mexico

Hydrologic Unit Code

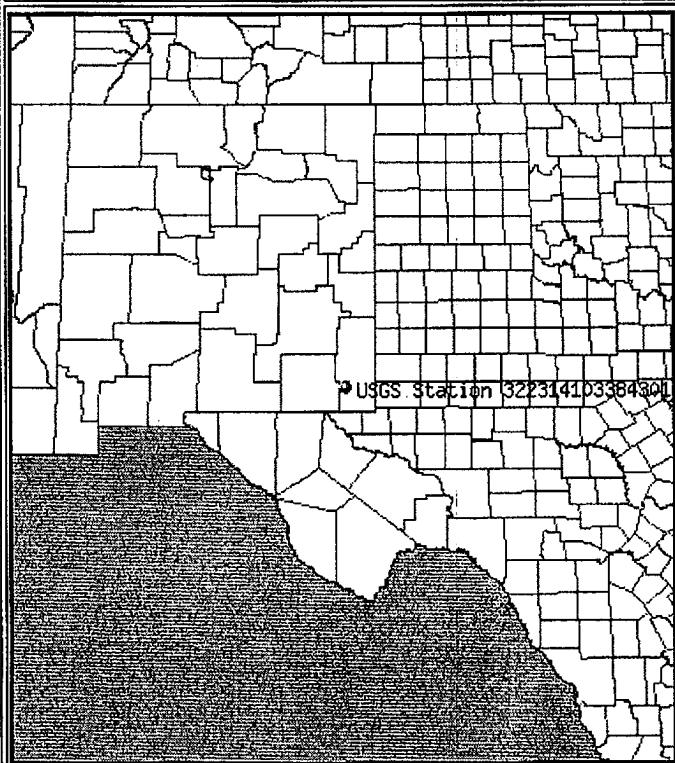
Latitude 32°23'14", Longitude 103°38'43" NAD27

Land-surface elevation 3,717.00 feet above sea level NGVD29

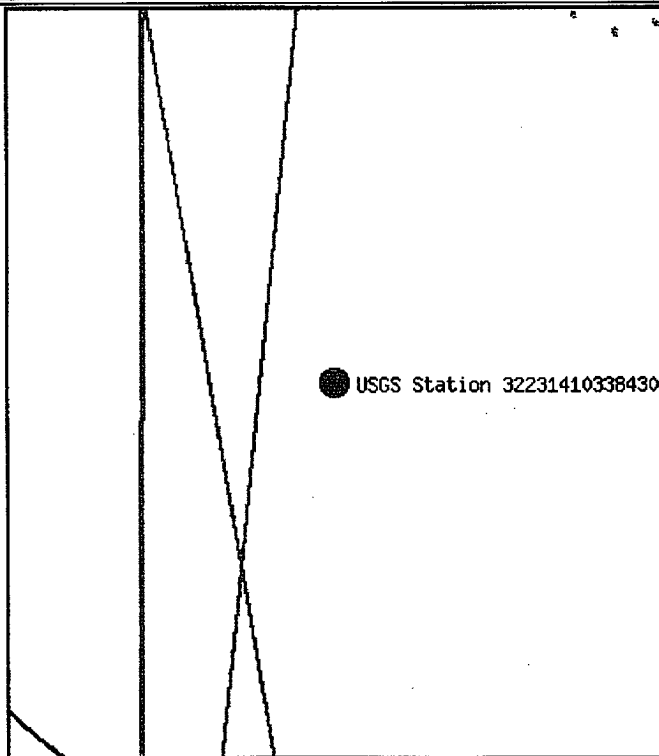
The depth of the well is 435 feet below land surface.

This well is completed in the SANTA ROSA SANDSTONE (231SNRS) local aquifer.

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](#)

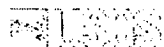
Retrieved on 2006-04-06 14:28:07 EDT

Department of the Interior, U.S. Geological Survey

USGS Water Resources of New Mexico

http://nwis.waterdata.usgs.gov/nm/nwis/nwismap?site_no=322314103384301

4/6/2006



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 = • 322314103384301

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

USGS 322314103384301 22S.32E.14.32322

Available data for this site

Ground-water: Levels

GO

Lea County, New Mexico

Hydrologic Unit Code

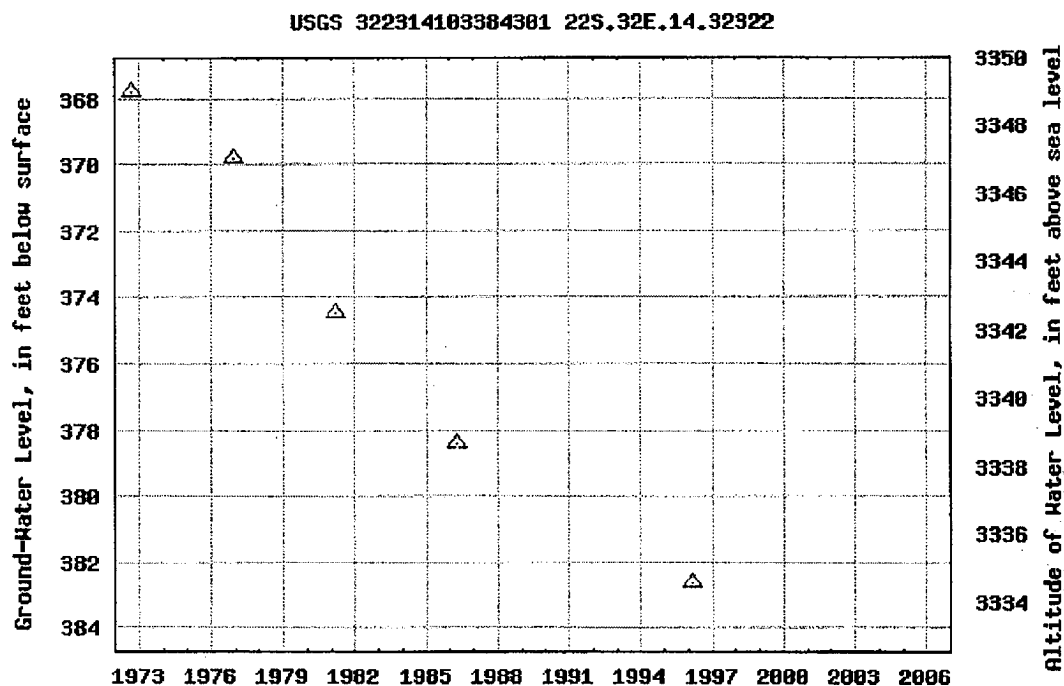
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Output formats

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

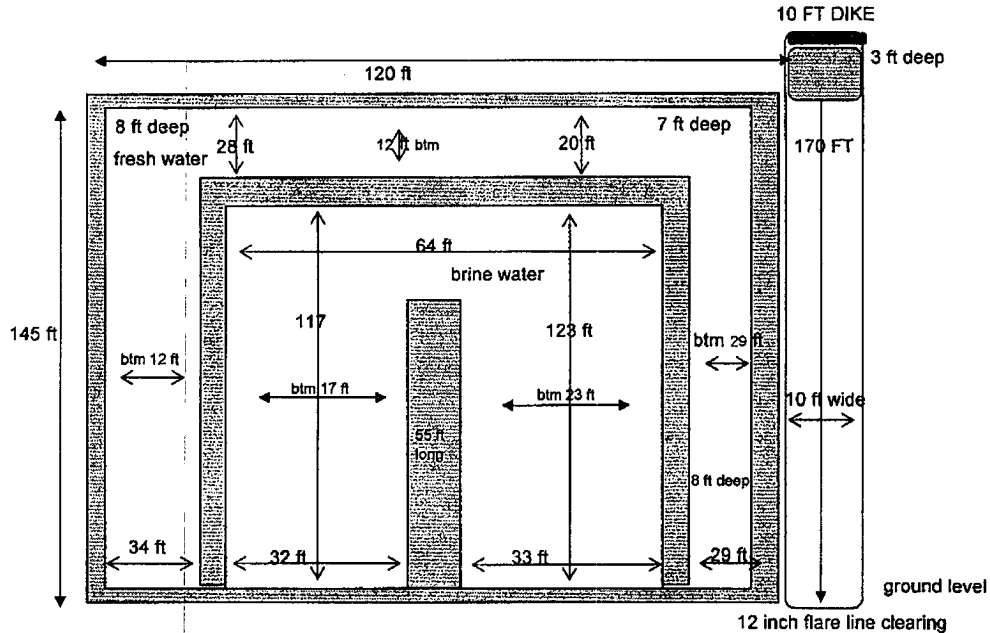
Breaks in the plot represent a gap of at least one calendar year between two consecutive points.

[Download a presentation-quality graph](#)[Questions about data](#) [New Mexico NWISWeb Data Inquiries](#)[Feedback on this website](#) [New Mexico NWISWeb Maintainer](#)[Top](#)
[Explanation of terms](#)http://nwis.waterdata.usgs.gov/nm/nwis/gwlevels/?site_no=322314103384301

4/6/2006

**POGO Producing Company
Red Tank 28 Federal #2
Approximate Pit Dimensions**

P/28/22S/32E, Lea County, New Mexico



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 8 ft deep below ground level plus 2 ft walls

Pit walls are 2 ft above ground level.

Caliches mined from pit used to make Well Pad.

Fresh Water volume to ground level = \pm 7950 bbls

Brine Water volume to ground level = \pm 7730 bbls

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

Fresh water well = (Nad 27) 32° 23' 14" N & 103° 38' 43" W "Published data"

This well produces from a depth greater than 100 ft.

Pit equals approx 16000 bbls

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	
32:23:14	N	103:38:43	W
Lat2		Lon2	
32:22:08.47	N	103:40:17.36	W

Output

Course 1-2	Course 2-1	Distance
230.576195	50.5621597	1.719551808

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	

 The sender of this message has requested a read receipt. [Click here to send a receipt.](#)

Mull, Donna, EMNRD

From: Phillips, Dorothy, EMNRD
To: Mull, Donna, EMNRD
Cc:
Subject: RE: Financial Assurance Requirement
Attachments:

Sent: Mon 4/17/2006 8:52 AM

None of these appear on Jane's list and all have blanket bonds.

From: Mull, Donna, EMNRD
Sent: Monday, April 17, 2006 7:42 AM
To: Phillips, Dorothy, EMNRD
Cc: Macquesten, Gail, EMNRD; Sanchez, Daniel J., EMNRD
Subject: Financial Assurance Requirement

Dorothy,

Is the Financial Assurance Requirement for these Operators OK?

Matathon Oil Co (14021)
Momentum Energy (227069)
David H Arrington Oil & Gas (5898)
Chevron USA Inc, (4323)
Chesapeake Operating Inc (147179)
Yates Petroleum Corp (25575)
Occidental Permian LP (157984)
Pogo Producing Co (17891)
Samson Resources Co (20165)
Range Operating New Mexico Inc. (277588)

Please let me know. Thanks Donna