

HITP - _17_

**GENERAL
CORRESPONDENCE**

**YEAR(S):
2011**



DOCUMENT TRANSMITTAL FORM

RECEIVED OGD

TO: Mr. Brad Jones NM Energy, Minerals & Natural Resources Oil Conservation Division 1220 St. Francis Drive Santa Fe, NM 87505	PAGE 1 OF 1
	TRANSMITTAL DATE: 03.30.11 A 11:42
	TRANSMITTAL DCN: 109637.8-ALB11TS002
RETURN RESPONSES/COMMENTS TO: Eileen Shannon	
RETURN RESPONSES/COMMENTS BY:	

PROJECT NO.: 109637	PROJECT NAME: EPNG Pipeline Hydro Test Discharge
ACTIVITY/DESCRIPTION: Intent to Perform a Hydrostatic Test - Pipeline Number 1103	

DOCUMENTS BEING TRANSMITTED				
ITEM	REV.	PAGES	DATE	DESIGNATOR
Submittal of a Notice of Intent to Perform a Hydrostatic Test Pipeline Number 1103 - West of Town of Anthony Dona Ana County New Mexico	0	--	03.30.11	109637.8-ALB11RP001

INSTRUCTIONS/REMARKS 3 copies to Robert St. John	<input type="checkbox"/> Mark previous issues "obsolete", "superceded", or "uncontrolled" <input type="checkbox"/> Destroy previous affected material <input type="checkbox"/> Return old material with this record <input checked="" type="checkbox"/> New issue (no previous copies received) <input type="checkbox"/> Replace with revised/new material <input type="checkbox"/> Maintain as controlled copy <input type="checkbox"/> Not Applicable
RECEIPT AND READ ACKNOWLEDGEMENT Please Sign and Return To: ADMINISTRATIVE SUPERVISOR 9019 WASHINGTON NE, BUILDING A ALBUQUERQUE, NM 87113	

CLIENT RECEIPT	PRINT NAME	SIGNATURE	DATE
Complete & Return this page via Fax/Mail/Email			

KLEINFELDER RECEIPT	PRINT NAME	SIGNATURE	DATE
Complete this section upon receipt from client			



DOCUMENT TRANSMITTAL FORM

TO:	Mr. Brad Jones NM Energy, Minerals & Natural Resources Oil Conservation Division 1220 St. Francis Drive Santa Fe, NM 87505	PAGE	1	OF	1
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CLIENT RECEIPT	PRINT NAME	SIGNATURE	DATE
Complete & Return this page via Fax/Mail/Email			

KLEINFELDER RECEIPT	PRINT NAME	SIGNATURE	DATE
Complete this section upon receipt from client			



March 30, 2011
File No. 109637.8-ALB11RP001

Mr. Brad Jones
New Mexico Energy, Minerals, and Natural Resources Department
Oil Conservation Division
1220 St. Francis Drive
Santa Fe, NM 87505

**Subject: Submittal of a Notice of Intent to Perform a Hydrostatic Test
Pipeline Number 1103 – West of Town of Anthony
Dona Ana County, New Mexico**

Dear Mr. Jones:

On behalf of the El Paso Natural Gas Company (EPNG), Kleinfelder West, Inc. (Kleinfelder) is pleased to submit this Notice of Intent (NOI) for a hydrostatic test of the 1103 Pipeline. As with numerous previous pipeline hydrostatic tests, EPNG intends to dispose of the used hydrostatic test water in a Class 1 injection well therefore; no surface discharge of hydrostatic test water is planned.

As required by the United States Department of Transportation Pipeline and Hazardous Materials Safety Administration regulations, EPNG is planning to conduct pipeline reconditioning work on its 30-inch 1103 pipeline located west of the Town of Anthony, New Mexico starting April 2, 2011. EPNG will be hydrostatically testing approximately 3,200 feet of existing pipeline in order to assess whether emergency repairs to a segment of the pipeline can accommodate operating pressure. Dewatering of the tested line will begin on April 4, 2011.

Kleinfelder has included the required information for the NOI as stated in the "Guidelines for Hydrostatic Test Dewatering" dated January 11, 2007. Attached to this NOI are the following:

- Background Information;
- Notice of Intent;
- Figure 1, EPNG 1103 Pipeline Undergoing Hydrostatic Test;
- Figure 2, Temporary Frac tank Staging Location for Hydrostatic Test Water
- Appendix A, Certification of Siting Criteria;
- Appendix B, Water Well Information within 1,000 feet of the Temporary Frac Tank Storage Area and Figure B-1;
- Appendix C, Mine Information within 1,000 feet of the Temporary Frac Tank Storage Area and Figure C-1;
- Appendix D, Federal Emergency Management Administration Flood Insurance Rate Map (Figure D-1);
- Appendix E, Information on Landowners within 1/3 Mile of the Boundary of the Temporary Frac Tank Staging Area (Figure E-1); and
- Appendix F, Public Notice text in English and Spanish.

A check totaling \$250.00 made out to the New Mexico Water Quality Control Commission will be submitted by EPNG for the \$100 filing fee and the \$150 permit fee. As deemed necessary by the NMOCD, EPNG is prepared to post a public notice regarding this event in accordance with Subsection A, B, D and F of NMAC 20.6.2.3108 at the frac tank staging areas (Figure D-1), the Anthony, New Mexico Post Office, and published in the Las Cruces Sun-News newspaper.

Kleinfelder prepared this NOI in a manner consistent with the level of care and skill ordinarily exercised by other members of Kleinfelder's profession practicing in the same locality, under similar conditions and at the date the services are provided. The information provided in this document is based on our understanding of the information provided by EPNG. The work performed was based on project information provided by EPNG.

Should you have any questions, please feel free to contact Eileen Shannon or Bernie Bockisch (Kleinfelder) at (505) 344-7373, or Robert St. John (EPNG) at (432) 333-5523.

Respectfully submitted,

KLEINFELDER WEST, INC.

Reviewed by:



Eileen L. Shannon, P.G
Project Manager



Bernard Bockisch, P.M.P.
Senior Professional

Cc: Robert St. John, El Paso Natural Gas, 1550 Wind Way, Odessa, TX 79761 (3 copies)

Background Information

- The EPNG Pipeline number 1103 is an existing 30-inch (outside diameter) natural gas pipeline that has been in service over 50 years.
- This transportation pipeline is part of a network that transports natural gas (sweet and dry) that is suitable for immediate consumer use.
- Based upon recent experience with the NMOCD, EPNG understands that the water used for testing this pipeline system is generally classified as non-exempt RCRA waste and is subject to the Water Quality Control Commission (WQCC) Regulations.

Notice of Intent Plan

On behalf of EPNG, Kleinfelder is submitting this NOI plan as outlined in NMOCD Guidance document, "Guidelines for Hydrostatic Test Dewatering," (revised January 11, 2007). The NOI plan includes the following items:

Item a. Name and address of the proposed discharger;

Legally Responsible Party

Mr. Phil Baca, Director
El Paso Natural Gas Company
Tucson Division
5151 E. Broadway Blvd., Ste. 1680
Tucson, AZ 85711
520.663.4224

Local Representative

Mr. Robert St. John
El Paso Natural Gas Company
1550 Wind Way
Odessa, TX 79761
432.333.5532

Operator

Physical Address

El Paso Natural Gas Company
El Paso Area Office
12600 McCombs
El Paso, TX 79934

Mailing Address

El Paso Natural Gas Company
El Paso Area Office
12600 McCombs
El Paso, TX 79934

Item b. Location of the discharge, including a street address, if available, and sufficient information to locate the facility with respect to surrounding landmarks;

The section of the 1103 Pipeline to be tested is northwest of Anthony, New Mexico. The eastern end of the segment that will undergo hydrostatic testing is located at MP 224+4785. MP 224+4785 is located approximately 50 feet west of Levee Road, approximately 200 feet north of State Highway 226. The western end segment undergoing hydrostatic testing is at MP 225+2822 which is located approximately 3,000 feet northeast of the intersection of NM Highway 28 and West Bernio Road. The entire length of the 1103 Pipeline to be tested is approximately 3,200 feet. The width of the EPNG easement along this portion of the 1103

Pipeline is 150 feet. The segment of the 1103 Pipeline undergoing testing is between the following locations: MP 224+4785 in Section 8, Township 26 South, Range 3 East to MP 225+2822 on the Section 6/Section 7 line of Township 26 South, Range 3 East. The location of the portion of the 1103 Pipeline to be hydrostatically tested is shown on Figure 1.

The proposed hydrostatic test is being conducted to verify the integrity of repairs made to the 1103 Pipeline. The source of water used for the hydrostatic test will be fresh drinking water from the Town of Anthony or other local municipal water supplies. The test water will be temporarily stored in frac tanks located within the EPNG easement.

Six frac tanks will be located within the EPNG easement near MP 225+2822. The tanks will be oriented in a manner that provides at least a 10-foot buffer between the tanks and the boundary of the EPNG easement. The frac tanks have a lined bermed area as described in Item g (see below). The approximate coordinates for the proposed frac tank staging area are Latitude 32° 04' 05.93" North, Longitude 106° 40' 15.55" West. Approximately 105,000 gallons of water will be used for the hydrostatic test.

Item c. Legal description of the discharge location;

Storage of hydrostatic test water will occur in the frac tank staging area at MP 225+2822 at the following location:

NE 1/4 of the NE 1/4 of Section 7 (on the Section 6/Section 7 line), Township 26 South, Range 3 East in Dona Ana County, New Mexico (See Figure 1).

Item d. Maps (site-specific and regional) indicating the location of the pipelines to be tested;

Figure 1 is a regional map showing topography, the pipeline section undergoing testing, and the hydrostatic test water staging area. Figure 2 is a site-specific map showing details of the hydrostatic test water staging area.

Item e. A demonstration of compliance to the following siting criteria or justification for any exceptions:

- i. Within 200 feet of a watercourse, lakebed, sinkhole, or playa lake;***
- ii. Within 1,000 feet of an existing wellhead protection area or 100-year floodplain;***
- iii. Within, or within 500 feet of, a wetland;***
- iv. Within the area overlying a subsurface mine; or***
- v. Within 500 feet from the nearest permanent residence, school, hospital, institution or church.***

According to Mr. Manuel Zamora, EPNG's Cross-Functional Technician, evidence of some of the above listed features was present within the required radius limits of the proposed hydrostatic test water staging area. Mr. Zamora conducted a site visit to look for the presence of watercourses, lakebeds, sinkholes, playa lakes, wells, wetlands, residences, schools, hospitals, institutions, mines and churches. Exceptions to the siting criteria are stated in the Certification of Siting Criteria included in Appendix A.

Mr. Ray Melendrez of the New Mexico Environment Department, Drinking Water Bureau was contacted on March 28, 2011 to obtain information regarding wellhead protection areas located within 1,000 feet of the temporary staging area for the water. In an email response dated March

29, 2011, Mr. Melendrez stated that there are no public water systems or well head protection areas within 1,000 feet of the frac tank location. A copy of the email correspondence from Mr. Melendrez is included in Appendix B.

A search for surrounding water wells was completed to satisfy a portion of this requirement. The NMOCD Pit Rule Mapping Portal database and the NMOSE Waters database were used for this search, which was conducted on March 28, 2011. According to the database searches, no water wells are located within 1,000 feet of the temporary frac tank staging area (MP 225+2822). Figure B-1, generated from the portal database, is included in Appendix B.

Mr. Mike Thompson with the New Mexico Abandoned Mine Lands Program was contacted to assess the presence of abandoned subsurface mines in the vicinity of the temporary frac tank staging area. According to Mr. Thompson, there is no record of abandoned subsurface mines in that area. A copy of the email from Mr. Thompson is attached in Appendix C. According to the NM Tech "Pit Rule Mapping Portal" database, there are no active or inactive mines in the vicinity of the temporary frac tank staging areas. Figure C-1 (Appendix C), generated from this portal shows no mines within 1,000 feet of the site.

Federal Emergency Management Administration (FEMA) flood insurance rate maps were generated from the FEMA website to search for 100-year floodplains in the proposed hydrostatic test water staging area. According to the FEMA website, the temporary frac tank staging area is not located within a 100-year floodplain. The 100-year floodplain around the Rio Grande is located approximately 2,100 feet to the east. The central portion of the pipeline segment under test, however, passes under the river at this location. The FEMA flood insurance rate map for this area is included in Appendix D.

Item f. A brief description of the activities that produce the discharge;

Pressure testing with water, known as hydrostatic testing, is one of the tools pipeline operators use to verify pipeline integrity. The test involves purging the natural gas from the pipeline, cleaning the pipeline with an aqueous, non-hazardous cleaning fluid, filling the pipeline with water, then pressurizing the pipeline to a pressure higher than the standard operating pressure for approximately nine hours. The purpose of hydrostatic testing in a pipeline is to determine the extent to which potential defects might threaten the pipeline's ability to sustain maximum allowable operation pressure. If leaks or breaks occur, the pipeline is repaired or the affected areas is replaced, and then re-tested. The U.S. Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA) requires periodic pressurized tests on all DOT-regulated pipelines and all newly installed pipelines to verify the integrity and safety of pipeline systems.

Due to a crack discovered during pipeline integrity activities, EPNG immediately lowered the pressure and mobilized work crews to replace the defect. Upon completion of the replacement, EPNG will blow down the entire 20 mile (approximately) long valve section and then cut the line and install test heads to test only the short segment of line that lies between within MP 224+4785 and MP 225+2822. The source of water used for the hydrostatic test will be fresh drinking water from the Town of Anthony or other local municipal water supplies. The water will be stored in frac tanks located within the EPNG easement. Approximately 105,000 gallons of fresh water will be used for the hydrostatic test.

Item g. The method and location for collection and retention of fluids and solids;

Fresh water from the Town of Anthony or other local municipal water supplies will be transported via tanker truck to the temporary frac tank staging area located at MP 225+2822 and placed into the frac tanks via hoses between the tanker trucks and the frac tanks. The fresh water will also be transferred from the frac tanks to the pipeline via hoses. After use, the

hydrostatic test water will be removed from the pipeline via hoses and/or flexible pipe using drip pans under the connection points and stored in approximately six tanks with secondary containment at the hydrostatic test water staging area (Figure 2). The secondary containment under the frac tanks will consist of 80 mil plastic sheeting placed under each individual frac tank. The frac tanks will be located within 50 feet of the point of connection on the 1103 pipeline. All individual tank valves will be closed and locked when not in use. Solids are not anticipated to be produced from the hydrostatic testing.

Item h. A brief description of best management practices to be implemented to contain the discharge onsite and to control erosion;

EPNG intends to discharge the hydrostatic test water into frac tanks for temporary storage. The frac tanks will be located within a lined bermed area as described above in Item g. Once analytical results are obtained for the hydrostatic test water, the water will be transported from the project site in DOT-approved tanker trucks to Key Energy in Farmington, New Mexico. The water will be disposed of in a Class I injection well operated by Key Energy. No upland discharges are planned.

Item i. A request for approval of an alternative treatment, use, and/or discharge location (other than the original discharge site), if necessary;

In the event that the hydrostatic test water is found to be unsuitable for down-hole injection, EPNG will acquire a temporary identification number from the US Environmental Protection Agency for the waste, and it will be properly transported and disposed of at a RCRA permitted Treatment, Storage, and Disposal facility. EPNG will provide the name and address of the facility and the appropriate disposal documentation to the NMOCD.

Item j. A proposed hydrostatic test wastewater sampling plan;

EPNG will not collect nor analyze a pre-test sample of the water obtained from a local municipal water supply. Water quality analytical data supplied by the municipal water entity will be used as a baseline to determine if the water is suitable for use.

Approximately 105,000 gallons of fresh water will be transferred via tanker trucks from the Town of Anthony into seven frac tanks located within EPNG's 1103 Pipeline easement at the east end of the segment under test (See location information under Item c., and Figures 1 and 2).

After the hydrostatic testing of the 1103 Pipeline, this same volume of water will be transferred from the pipeline back into the same frac tanks that were previously used to store the fresh water. A single pre-disposal composite sample (composed of one aliquot from each tank) will be collected from each of the frac tanks and submitted to an EPA-approved analytical laboratory.

The post-hydrostatic test water samples will be analyzed for corrosivity, ignitability, reactivity, toxicity, and/or other characterization as required by Key Energy. Analytical results of the post-hydrostatic test water analysis will be submitted to the NMOCD with a recommendation for disposal of the hydrostatic test water into a Class 1 injection well.

Item k. A proposed method of disposal of fluids and solids after test completion, including closure of any pits, in case the water generated from test exceeds the standards as set forth in Subsections A, B, and C of the 20.6.2.3103 NMAC (the New Mexico Water Quality Control Commission Regulations);

All fluids will be containerized, tested, and transported for disposal as described under item i and f. No solid waste is anticipated. In the event that the hydrostatic test water is found to be unsuitable for down-hole injection well disposal, a temporary identification number will be

acquired from the US Environmental Protection Agency for the waste, and it will be properly transported and disposed of at a RCRA-permitted Treatment, Storage, and Disposal facility. EPNG will provide the name and address of the facility and the appropriate disposal documentation to the NMOCD.

Item l. A brief description of the expected quality and volume of the discharge;

The hydrostatic test water will be analyzed to assess if the constituent concentrations meet Key Energy's disposal requirements for their Class 1 injection well. Based on historical data collected from previous hydrostatic test events using similar methods and solutions, the water quality is expected to be in compliance with regulatory limits. The volume of the hydrostatic test water is expected to be approximately 105,000 gallons.

Item m. Geological characteristics of the subsurface at the proposed discharge site;

Regional Features

The temporary water staging area is located within the southeastern corner of the Mesilla Basin. The Mesilla Basin is a large asymmetric basin covering approximately 1,000 square miles that is part of the southeastern Basin and Range Physiographic province. The Mesilla Basin contains thick fill deposits, locally as much as 3,000 feet. These deposits are mostly unconsolidated sands and gravels and include the major fresh-water aquifers of the region. With respect to both water-supply and groundwater recharge, widespread channel deposits of the modern and ancestral Rio Grande system are a major component of the upper fill sequence. The Mesilla Valley Fault is the structural feature that forms this part of the basin.

Site Geology

The temporary frac tank staging area is located on river alluvium overlying the Upper Santa Fe Unit (USF). The river alluvium consists of sands and pebble- to cobble-sized gravels, with thin, organic-rich silty sands to silty clay lenses as much as 100 feet thick. The river alluvium in the temporary frac tank water storage area consists mainly of gravel and coarse sand with some silt and clay. The USF consists of sand and pebble-sized gravel, with thin discontinuous beds and lenses of sandstone, silty sand, and silty clay, usually non-indurated, with local zones cemented with calcite other minerals including silicate clays, local iron-manganese oxides, gypsum, silica, and zeolite that range from 200 to 750 feet thick in the central basin.

The USF is underlain by the Middle and Lower Santa Fe Units (MSF and LSF) that consist of interbedded sand, silty sand, silty clay, and sandstone that ranges between 300 and 1,000 feet thick in the central part of the basin (Hawley, et. al., 1992).

The depth to and total dissolved solids concentration of the ground water most likely to be affected by the discharge;

Regional Hydrogeology

The fill of the Mesilla Basin has two basic hydrologic components: Santa Fe Group basin fill and the post Santa Fe Group Rio Grande Valley fill. In terms of volume and areal extent, the Santa Fe Group forms the bulk of basin-fill deposits. It comprises a very thick sequence of alluvial, eolian, and lacustrine sediments deposited in intermontane basins of the Rio Grande rift structural province during an interval of about 25 million years starting in late Oligocene time. Widespread filling of several structural sub-basins, which in aggregate form the Mesilla Basin, ended about 700,000 years ago (early Middle Pleistocene time) with the onset of Rio Grande (Mesilla) Valley incision.

Post-Santa Fe Group valley fills include inset deposits of the ancestral Rio Grande and tributary-arroyo systems that form terraces bordering the modern floodplain, and river and arroyo alluvium of the inner valley area that has been deposited since the last major episode of Rio Grande Valley incision in late Pleistocene time (about 15,000 to 25,000 years ago). The two basic hydrogeologic components of the Mesilla Basin model include:

1. Structural and bedrock features. They include basin-boundary mountain uplifts, bedrock units beneath the basin fill, fault zones within and at the edges of basin that influence sediment thickness and composition, and igneous-intrusive and -extrusive rocks that penetrate or are interbedded with basin deposits and in some areas control the movement of water in the hydro-stratigraphic units.
2. Hydrostratigraphic units. The mappable bodies of basin and valley fill are grouped on the basis of origin and position in a stratigraphic sequence. Genetic classes include ancestral-river, present river-valley, basin-floor playa, and piedmont alluvial fan deposits. Time-stratigraphic classes include units deposited during early, middle and late stages of rift-basin filling (i.e. lower, middle and upper Santa Fe Group), and post-Santa Fe valley fills (e.g. channel and floodplain deposits of the Rio Grande, and fan alluvium of tributary arroyos) (Hawley, et al., 1992).

Local Groundwater Hydrology

Locally, groundwater is present in four major hydrostratigraphic units: river alluvium, USF, MSF, and LSF. The river alluvium forms the upper part of the shallow aquifer and groundwater in the vicinity of the temporary frac tank staging area location. The depth to groundwater is expected to range between eight and 12 feet below ground surface in the river alluvium (Hawley, et al., 1992). Groundwater will also be present at depth in the USF, MSF, and LSF at the temporary frac tank storage area location.

In shallow wells in the Anthony and Chamberino areas, total dissolved solids concentrations ranged between 290 and 3,622 milligrams per liter (Terracon et al., 2003). In these wells, concentrations of some metals and organic constituents exceeded the USEPA maximum contaminant levels.

Item n. Identification of landowners at, and adjacent to, the discharge collection/retention site. Landowners within 1/3-mile of the boundary of the temporary frac tank storage area within the EPNG pipeline easement:

A list of landowners within 1/3 mile of the frac tank storage location and a map are provided in Appendix E. EPNG will provide all affected landowners with a brief description of the work involved.

If deemed necessary by NMOCD, a public notice will be posted in accordance with Subsections A, B, D, and F of NMAC 20.6.2.3108 at the frac tank staging area (Figures 2 and D-1), the Anthony, New Mexico Post Office, and published in the Las Cruces Sun-News newspaper. Copies of the English and Spanish versions of the public notices are presented in Appendix E.

References

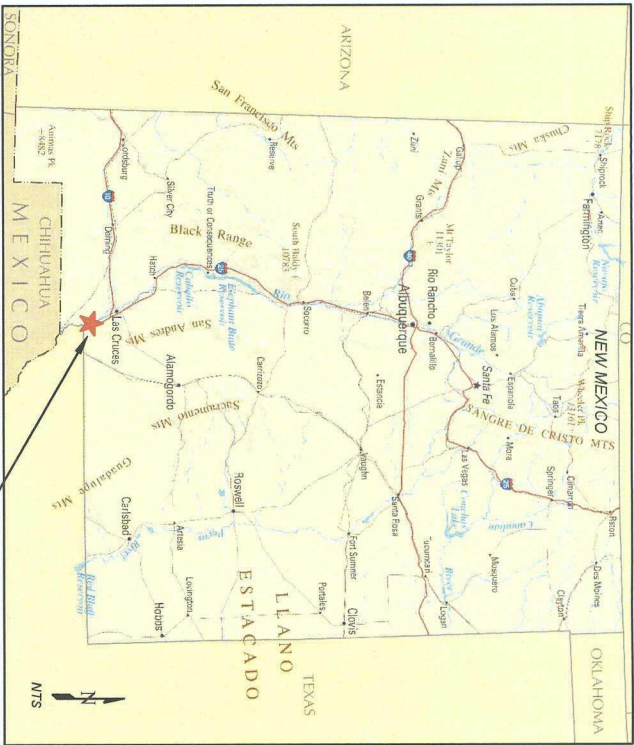
Hawley, J., Lozinsky, R., 1992, Hydrogeologic Framework of the Mesilla Basin in New Mexico and Western Texas, New Mexico Bureau of Mines and Mineral Resources, Open File Report 323.

New Mexico Office of the State Engineer, iWaters database, accessed March 28, 2011 accessed from <http://nmwrrs.ose.state.nm.us/nmwrrs/index.html>.

NMOCD Pit Rule Mapping Portal database search, accessed March 28, 2011 from http://216.93.164.45/prrc_MF/.

Terracon, John Shomaker & Associates, Inc., Livingston Associates, LLC, Inc., Zia Engineering and Environmental, Inc., Sites Southwest, 2003, The New Mexico Lower Rio Grande Regional Water Plan.

FIGURES



SOURCE: Base map provided by nationalatlas.gov.

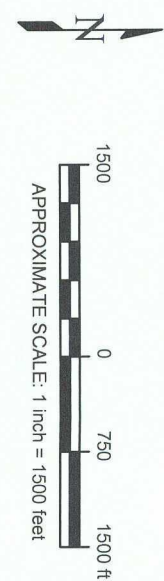
APPROXIMATE
SITE LOCATION

LEGEND

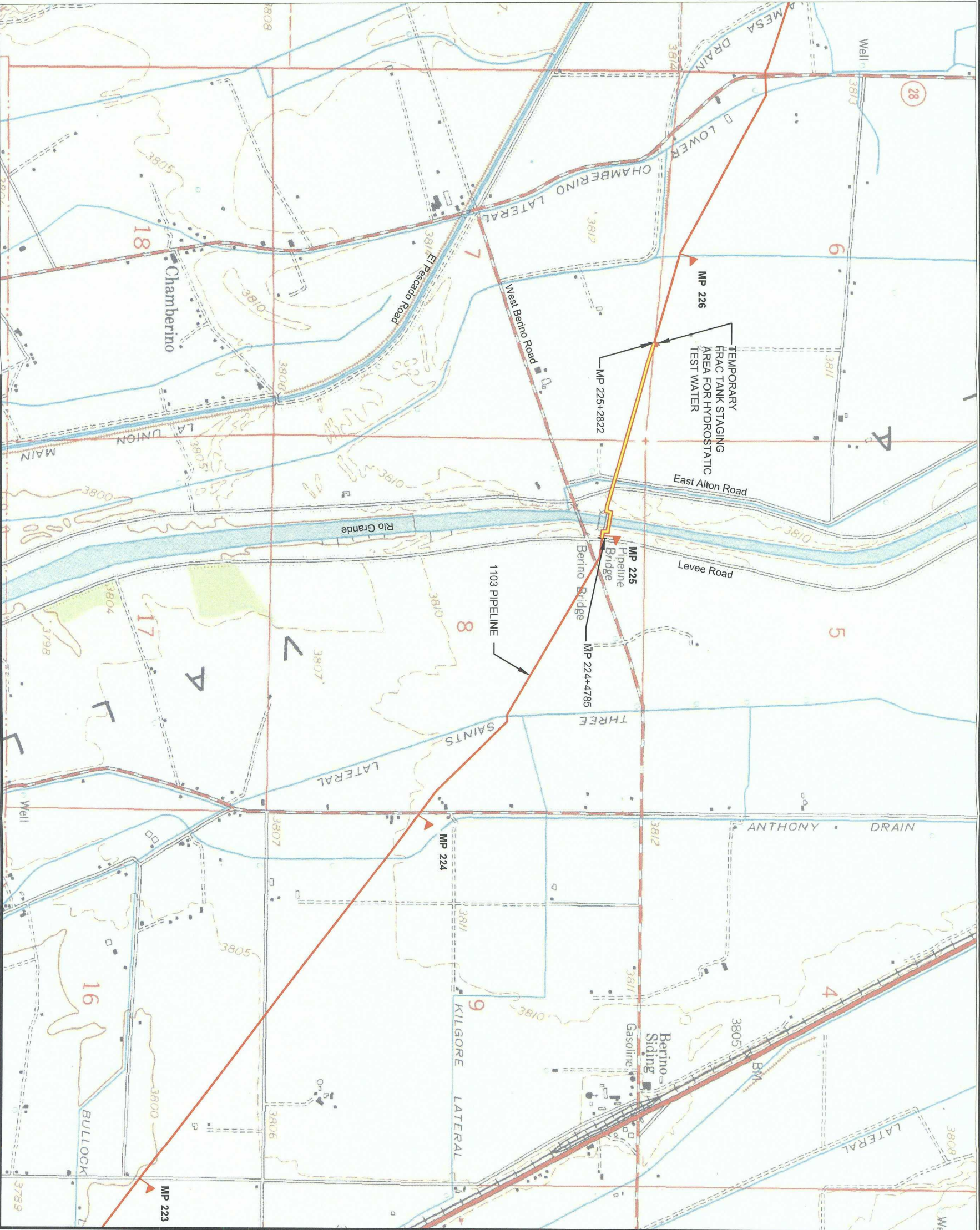
- APPROXIMATE EPNG 1103 WEST PIPELINE
- APPROXIMATE HYDROSTATIC TEST LOCATION
- APPROXIMATE HYDROSTATIC TEST WATER
FRAC TANKS LOCATION
- APPROXIMATE MILE POST MARKERS
- APPROXIMATE SITE LOCATION

NOTE:

EPNG 1103 Pipeline recreated from 01100.00-042 20 and
01100.00-042 10 Expanded Job Markup.PDF from EPNG.

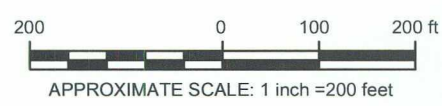
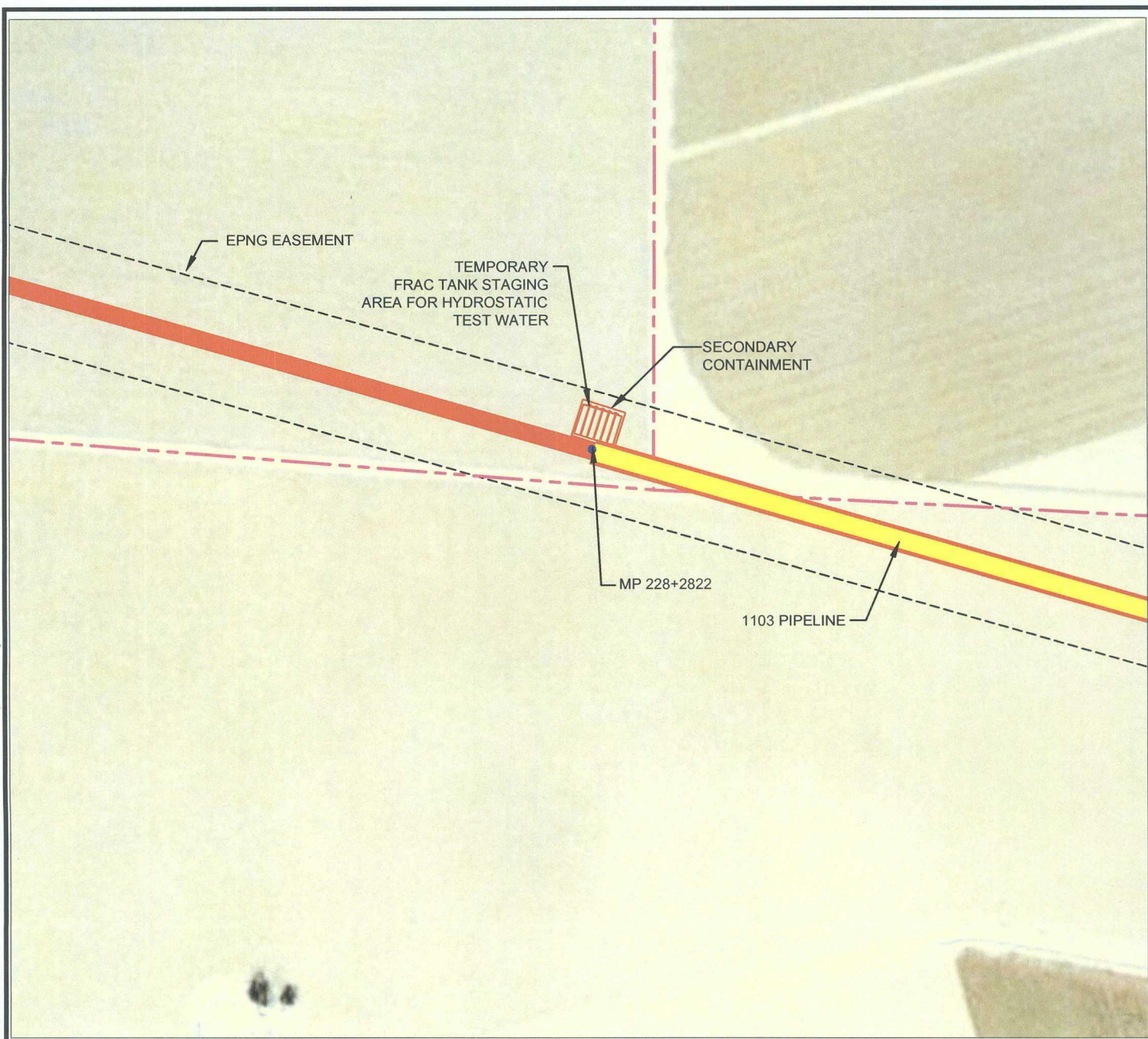


SOURCE: Topo map created from usgs.gov.



PROJECT NO.	109637	FIGURE	1
DRAWN:	MAR 2011	EPNG - 1103 PIPELINE HYDROSTATIC TEST	
DRAWN BY:	JDS	DONA ANA COUNTY	
CHECKED BY:	BB	NEW MEXICO	
FILE NAME:	109637_08_0.dwg	ORIGINATOR:	E. SHANNON
		APPROVED BY:	AS 3/30/11
		DRAWING CATEGORY:	1

ATTACHED IMAGES: New Mexico State Map.bmp Images: STAGING.jpg
ALBUQUERQUE, NM
CAD FILE: G:\Environment\CURRENT WORK FOLDER PROJECTS\109637 - EPNG Pipeline Hydro Test Discharge Permits\2.0 Technical\8 - 1103 Pipeline\2.8 Fi LAYOUT: FIG 2








SOURCE: Aerial map created from Google Earth Pro.

NOTE:
EPNG 1103 Pipeline recreated from 01100.00-042 20 and 01100.00-042 10
Expanded Job Markup.PDF from EPNG.

The information included on this graphic representation has been compiled from a variety of sources and is subject to change without notice. Kleinfelder makes no representations or warranties, express or implied, as to accuracy, completeness, timeliness, or rights to the use of such information. This document is not intended for use as a land survey product nor is it designed or intended as a construction design document. The use or misuse of the information contained on this graphic representation is at the sole risk of the party using or misusing the information.

LEGEND

-  APPROXIMATE LOCATION OF EPNG 1103 PIPELINE
-  SECTION OF PIPE UNDERGOING HYDROSTATIC TEST
-  APPROXIMATE LOCATION OF HYDROSTATIC TEST WATER FRAC TANKS
-  PIPELINE LOCATION
-  EPNG EASEMENT



KLEINFELDER
Bright People. Right Solutions.
www.kleinfelder.com

PROJECT NO.	109637
DRAWN:	MAR 2011
DRAWN BY:	JDS
CHECKED BY:	BB
FILE NAME:	109637_08_0.dwg

TEMPORARY FRAC TANK STAGING AREA FOR HYDROSTATIC TEST WATER	
EPNG 1103 HYDROSTATIC TEST DONA ANA COUNTY NEW MEXICO	
ORIGINATOR: E. SHANNON	DRAWING CATEGORY: 1
APPROVED BY: <i>EJS 3/30/11</i>	

FIGURE
2

APPENDIX A

Certification of Siting Criteria

1 Certification of Siting Criteria

Hydrostatic Discharge Line 1103

I, Manuel Zamora, have performed a site visit to look for the presence of the items described below and have confirmed that these items were not observed within the specified distance for each item listed below of the edge of the pipeline right of way where the water storage tanks will be located at MP 225+2882 on the 1103 Pipeline in Dona Ana County, NM. There are no exceptions to this list.

- i. Within 200 feet of a watercourse, lakebed, sinkhole, or playa lake; No, NOTE: An irrigation canal and Rio Grande River are 1500' from the planned frac tank storage area.
- ii. Within 1,000 feet of an existing wellhead protection area or 100-year floodplain; I will defer to the statement and research from our consultant, Kleinfelder. This information is included as part of the NOI.
- iii. Within 500 feet of, a wetland; No, NOTE: Rio Grande River is 1500' from the planned frac tank storage area.
- iii. Within the area overlying a subsurface mine; NOTE: No
- iv. Within 500 feet from the nearest permanent residence, school, hospital, institution or church. No, NOTE: The nearest structure is a Spice Factory 1000' from the frac tank storage area.

On behalf of El Paso Natural Gas, I state that the above information is complete and true to the best of my knowledge.

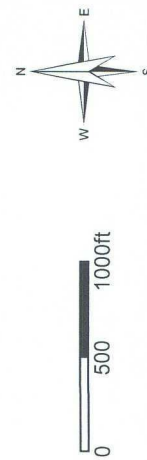
Manuel L. Zamora

Senior Technician

3-29-11
Date

APPENDIX B

Water Well Information within 1,000 feet of the Temporary Frac Tank Storage Area



Petroleum Recovery Research Center	Wells in the Vicinity of 225+2822	Figure: B-1
	EPNG Line 1103, Dona Ana Co., NM	Mar 28, 2011

Eileen Shannon

From: Melendrez, Ray, NMENV <ray.melendrez@state.nm.us>
Sent: Tuesday, March 29, 2011 10:22 AM
To: Eileen Shannon
Subject: RE: Revised request for wellhead protection information - : 225+2822 frac tanks.kmz
Attachments: EBID Chamberino Yard.jpg

Hello Eileen,

Sorry I didn't get back to you earlier I've been out in the field.

From looking at what you attached there are no public water system wells/wellhead protection areas within 1000 feet of the location you indicated. The closest public water system well within the area is the now inactive system EBID Chamberino Yard which I indicated on the attached map. It does not fall within the 1000 feet radius of the frac tank location.

If you need further clarification please contact me.

Thanks,

Ray Melendrez
NMED, Drinking Water Bureau
District 3 Area Manager
Las Cruces & Silver City Offices
1170 N. Solano Dr., Suite M
Las Cruces, NM 88001
Phone: (575) 647-7955
Fax: (575) 526-3891

-----Original Message-----

From: Eileen Shannon [mailto:EShannon@kleinfelder.com]
Sent: Monday, March 28, 2011 5:36 PM
To: Melendrez, Ray, NMENV
Subject: Revised request for wellhead protection information - : 225+2822 frac tanks.kmz
Importance: High

Mr. Melendrez,

As a revision to my email last Thursday, 3/24/11, the frac tank locations will need to be moved due to landowner issues. Please confirm that there are no well head protection areas within 1000 feet of the Google earth placemark.

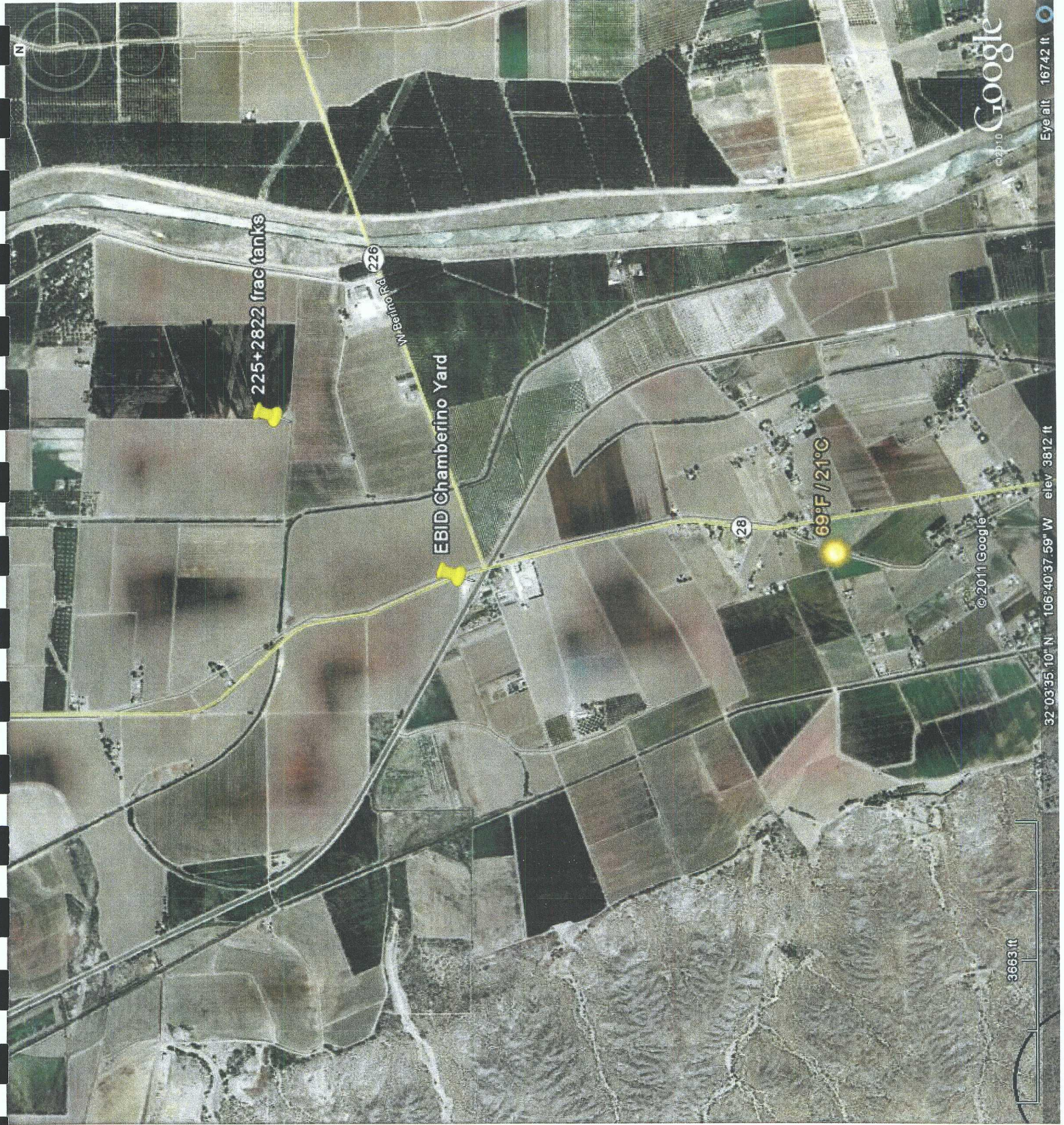
Other site references:

Lat: 32° 04' 5.93" or 32.068314
Long: 106° 40' 15.55"W or 106.670986

Also attached is a map showing 1000 foot radius around the location (no wells in that area).

Thanks, Eileen

Eileen L. Shannon
Project Manager
Kleinfelder West, Inc.
9019 Washington NE, Building A
Albuquerque, NM 87113
o| (505) 344-7373 (Ext. 212)
f| (505) 344-1711
c| (505) 307-0722



APPENDIX C

Mine Information within 1,000 feet of the Temporary Frac Tank Storage Area



Distance (ft): 200 300 500 1000



0 500 1000ft

Petroleum Recovery
Research Center

Mines in the Vicinity of 225+2822

Figure: C-1

EPNG Line 1103, Dona Ana Co., NM

Mar 28, 2011

Eileen Shannon

From: Tompson, Mike, EMNRD <Mike.Tompson@state.nm.us>
Sent: Thursday, March 24, 2011 4:30 PM
To: Eileen Shannon
Cc: Kretzmann, John, EMNRD
Subject: RE: EPNG 1103 Pipeline

Eileen,

The Abandoned Mine Land Program has no record of any abandoned mines in these four sections.

Mike Tompson
New Mexico AML Program

From: Eileen Shannon [mailto:EShannon@kleinfelder.com]
Sent: Thursday, March 24, 2011 4:24 PM
To: Tompson, Mike, EMNRD
Subject: EPNG 1103 Pipeline

Hi Mike,

Kleinfelder is preparing another hydrostatic discharge permit for EPNG. The test will be in their 1103 Pipeline, located in the same trench as the previous site (see attached email between you and David Janney). The frac tanks that will temporarily hold the test water will be in the same location.

Please check to see if you have any active or inactive mines in the following sections. I did not see anything on the PRRC mapping portal (attached), but we need an email from the EMNRD regarding this:

- Section 6, T26S R3E
- Section 7, T26S R3E
- Section 8, T26S R3E
- Section 9, T26S R3E

I have also attached the PRRC map pulled today. I will send a Google Earth Placemark via a second email (it is not letting me cut and paste or move it to this email).

We need to have this permit application to the state by Monday, so a speedy response would be appreciated. Sorry for the short notice.

Please call or email if you have questions.

Thanks,

Eileen Shannon

Eileen L. Shannon

Project Manager

Kleinfelder West, Inc.

9019 Washington NE, Building A

Albuquerque, NM 87113

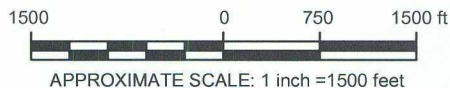
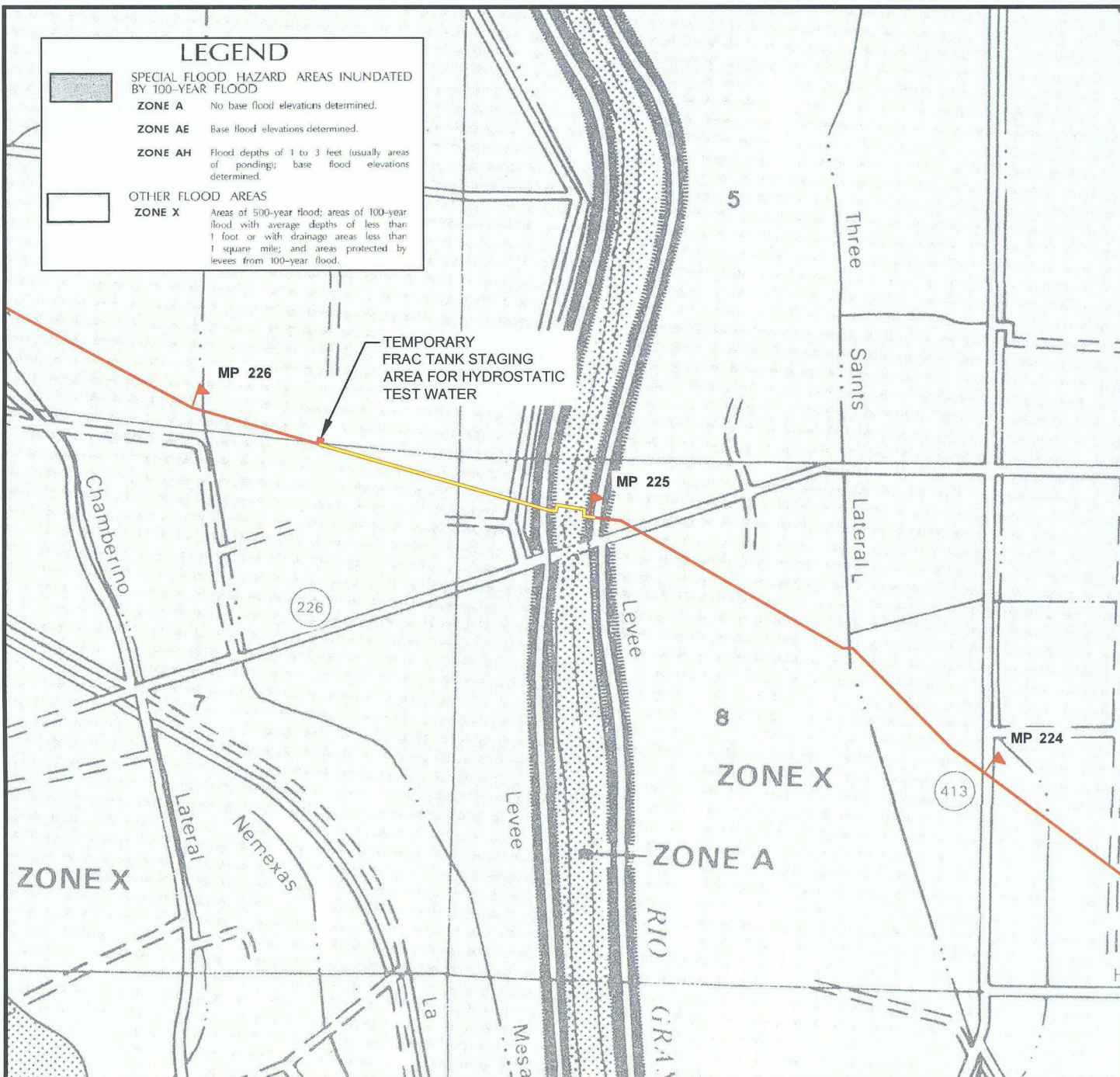
o| (505) 344-7373 (Ext. 212)

f| (505) 344-1711

c| (505) 307-0722

APPENDIX D

Federal Emergency Management Administration Flood Insurance Rate Map



SOURCE: Fema map created from <http://msc.fema.gov>.

NOTE:
EPNG 1103 Pipeline recreated from 01100.00-042 20 Expanded Job Markup .PDF from EPNG.

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LEGEND

- APPROXIMATE EPNG 1103 PIPELINE
- APPROXIMATE HYDROSTATIC TEST SEGMENT
- ◆ APPROXIMATE HYDROSTATIC TEST WATER FRAC TANKS



PROJECT NO.	109637
DRAWN:	MAR 2011
DRAWN BY:	JDS
CHECKED BY:	BB
FILE NAME:	109637_08_0.dwg

FEMA FLOOD INSURANCE MAP

EPNG 1103 HYDROSTATIC TEST
DONA ANA COUNTY
NEW MEXICO

ORIGINATOR:	E. SHANNON
APPROVED BY:	<i>EJS 3/30/11</i>

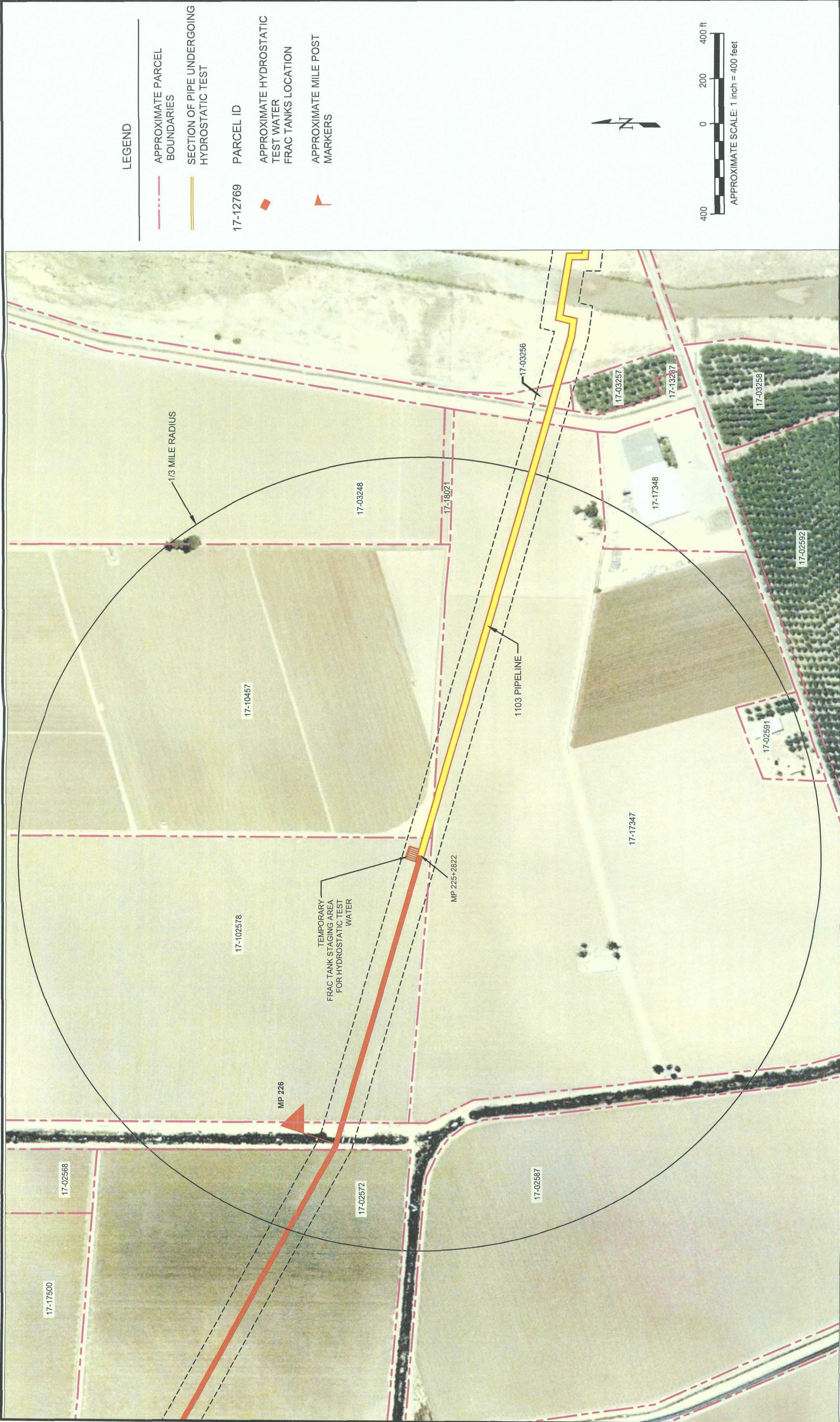
DRAWING CATEGORY:	1
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FIGURE

D-1

APPENDIX E

Landowners within 1/3 Mile of the Boundary of the Temporary Frac Tank Storage Area



CAD FILE: G:\Environment\WORK FOLDER PROJECTS\109637 - EPNG Pipeline Hydro Test Discharge Permits\2.0 Technical\8 - 1103 Pipeline\2.8 FIG E-1 LAYOUT: FIG E-1
ATTACHED IMAGES: Images: New Mexico State Map.bmp Images: STAGING.jpg
Pleasanton, Ca
ATTACHED XREFS:

SOURCE: Aerial map created from Google Earth Pro.

NOTE:
EPNG 1103 Pipeline recreated from 01100.00-042 20 and 01100.00-042 10 Expanded Job Markup PDF from EPNG.
Parcel IDs from <http://gis.donaanacounty.org/advparcels/viewer.htm>.

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PROJECT NO.	109637
DRAWN:	MAR 2011
DRAWN BY:	PD
CHECKED BY:	ES
FILE NAME:	109637_08_0.dwg

LANDOWNERS WITHIN 1/3 MILE RADIUS OF TEMPORARY FRAC TANK STORAGE	
EPNG - 1103 PIPELINE HYDROSTATIC TEST	
DONA ANA COUNTY NEW MEXICO	
ORIGINATOR:	E. SHANNON
APPROVED BY:	ES 3/30/11

FIGURE
E-1

Landowners Within a 1/3 Mile Radius of Temporary Frac Storage Tank Area
1103 Pipeline, Dona Ana County, NM

Parcel Information (MAP CODE)	PARCEL_ID	ACCOUNT NUMBER	NAME	MAIL ADDRESS	CITY	STATE	ZIP_CODE	CLERK Reception#	PHYSICAL ADDRESS	ACRES	ASSESSED LAND VALUE	R_T_S
4-013-151-153-427	17-02572	106014	FLEMING JANE	PO BOX 605	CHAMBERINO	NM	88027	896160	11600 S HIGHWAY 28	66.79	87800	
4-013-151-322-379	17-02578	251843	2WAW FARMS LLC	2452 EL DORADO CT	LAS CRUCES	NM	88011	725489		75.42	72400 3E 26S 6	
4-013-152-212-128	17-02587	251843	2WAW FARMS LLC	2452 EL DORADO CT	LAS CRUCES	NM	88011	725489		67.92	67200 3E 26S 7	
4-013-152-442-189	17-02591	85758	SALOPEK PAULINA U ET AL	1985 SALOPEK RD	LAS CRUCES	NM	88005-6210	963270	1950 W BERINO RD	2.29	29014 3E 26S 7	
4-014-151-040-398	17-03248	149522	HERNANDEZ WILLIE & PEARLA	PO BOX 20	BERINO	NM	88024	972633		51.24	51200 3E 26S 5	
4-013-151-452-389	17-10457	82471	EL PASO NATURAL GAS CO	REFERENCE ONLY	LAS CRUCES	NM	88001	BK 218 PG 341	1120 VETERANS RD	76.5	238500 3E 26S 6	
4-013-152-400-095	17-17347	96483	SLOAN ROBERT M & JACKIE L	1411 ARCHER FARM R D	LA MESA	NM	88044	336081	11015 MONTES RD # 2	100.99	122000 3E 26S 7	
4-014-152-027-095	17-17348	239736	SECO SPICE COMPANY LTD CO	6440 VISTA VALLEY TR L	LAS CRUCES	NM	88007	614627		7.32	124400 3E 26S 8	
4-014-151-030-522	17-18021	240341	EL PASO NATURAL GAS COMPANY	1 REFERENCE ONLY	BERINO	NM	88000	BK 209 PG 373		0.73	1000 3E 26S 5	

Information from Dona Ana County Tax Assessor's Website (<http://gis.donaanacounty.org/advparcels/viewer.htm>), March 29, 2011.

APPENDIX F

Public Notice Text in English and Spanish

PUBLIC NOTICE

The United States Department of Transportation (USDOT) requires periodic pressurized tests on all USDOT-regulated pipelines. El Paso Natural Gas Company (EPNG) hereby gives notice that the following discharge permit application has been submitted to the NM Oil Conservation Division (NMOCD) in accordance with 20.6.2 of the New Mexico Administrative Code (NMAC). The local EPNG mailing address is: El Paso Natural Gas, San Juan Area Office, P.O. Box 127, Bloomfield, NM 87413.

EPNG has submitted an application to perform a hydrostatic test of the 1103 Pipeline on the EPNG pipeline easement in Section 7, Township 26 South, Range 3 East in Dona Ana County, New Mexico. The purpose of hydrostatic (testing with water) is to determine the extent to which potential defects might threaten the pipeline's ability to sustain maximum allowable operation pressure. The test involves purging or blowing-down the natural gas from the pipeline, filling the pipeline with water, and then pressurizing the pipeline to a pressure higher than the desired increased standard operating pressure for a specified duration of time.

A portion (3,200 feet) of the 30-inch diameter EPNG 1103 pipeline will be hydrostatically tested. Up to 105,000 gallons of fresh water, from the Town of Anthony, will be transported via tanker trucks and initially stored in six 21,000-gallon frac tanks located in the NE 1/4 of the NE 1/4 of Section 7, Township 26 South, Range 3 East. This location is northwest of Anthony, New Mexico, at the west end of the segment to be tested, at EPNG Mile Post 225+2822. The location is approximately 3,000 feet northeast of the intersection of NM Highway 28 and West Berino Road. The width of the EPNG easement along this portion of the 1103 Pipeline is 150 feet. Following hydrostatic testing, hoses and/or flexible pipes with drip pans under the points of connection will be used to transfer the used test water from the pipeline into the frac tanks. A composite sample of this water will be analyzed by an EPA-approved analytical laboratory for waste characterization analysis of corrosivity, ignitability, reactivity, toxicity, and/or other characterization as required by Key Energy. Used test water will be removed from the frac-tanks within ten calendar days from the testing completion date. The hydrostatic test water will not be discharged. After receipt of NMOCD approval, it will be properly transported and injected into a permitted Class 1 injection well operated by Key Energy of Farmington, NM.

The shallowest groundwater likely to be affected by a leak, accidental discharge, or spill exists at a depth of approximately eight feet below the ground surface. The shallowest aquifer system may have total dissolved solids concentrations less than 1,000 milligrams per liter.

The notice of intent outlines how hydrostatic test water and waste will be properly managed, including handling, storage, and final disposition. The plan also includes procedures for the proper management of leaks, accidental discharges, and spills to the waters of the State of New Mexico.

For additional information, to be placed on a facility-specific mailing list for future notices, or to submit comments please contact:

Brad Jones, Environmental Engineer
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505
Phone: (505) 476-3487

The NM Energy, Minerals and Natural Resources Department will accept comments and statements of interest regarding this hydrostatic test and will provide future notices for this pipeline upon request.

AVISO PÚBLICO

El Ministerio de Transporte de los Estados Unidos (USDOT) requiere pruebas periódicas de presión en todas las tuberías reguladas por el USDOT. Por medio de la presente, la compañía El Paso Natural Gas (EPNG) da por notificado que el permiso de la siguiente descarga ha sido sometido a la división de la conservación de Petróleo de Nuevo México (NMOCD) de acuerdo con el código administrativo # 20.6.2 de Nuevo México. La dirección local de correo de EPNG es: El Paso Natural Gas, San Juan Area Office, P.O. Box 127, Bloomfield, NM 87413.

El Paso Natural Gas ha introducido una solicitud para realizar una prueba hidrostática en la tubería 1103 ubicada en la servidumbre (o área de servicio) perteneciente a EPNG localizada en la Sección 7 del Ayuntamiento 26 Sur con el Range 3 Este en el condado de Dona Ana, Nuevo México. El propósito de la prueba hidrostática (utilizando agua) es determinar el grado de los posibles o potenciales defectos que pudiesen amenazar (disminuir) la capacidad de la tubería de mantener la presión máxima de operación permitida. La prueba hidrostática implica la purga del gas natural de la tubería (vaciado de la tubería), llenado de la tubería con agua, y finalmente la presurización de la tubería a una presión más alta que la presión estándar deseada de operación por un tiempo determinado.

Una porción (3,200 pies) de la tubería 1103 de 30 pulgadas de diámetro perteneciente a EPNG será probada hidrostáticamente. Hasta un máximo de 105,000 galones de agua fresca, provenientes del pueblo de Anthony, serán transportados por camiones cisternas (camiones tanques) e inicialmente almacenados en seis tanques de 21,000 galones de capacidad (frac-tanks) que serán localizados en el noreste $\frac{1}{4}$ del noreste $\frac{1}{4}$ de la Sección 7, Ayuntamiento 26 Sur, Range 3 Este. Esta ubicación es al Noroeste de Anthony, Nuevo México, en la terminación oeste del tramo a ser ensayado en el Poste Cota 225+2822 perteneciente a EPNG. Esta ubicación esta aproximadamente a 3,000 pies de noroeste de la intersección de West Berino Road (Oeste Carretera Berino) y el NM Highway 28. Lo ancho de la servidumbre de EPNG para este tramo de la tubería 1103 es de 150 pies. Después de la prueba hidrostática, mangueras y/o las tuberías flexibles serán utilizadas para transferir el agua utilizada durante la prueba a los tanques (frac-tanks). Una muestra de esta agua será analizada por un laboratorio (de pruebas analíticas) aprobado por la Agencia de Protección Ambiental (EPA) para realizar un análisis de disposición de desechos por corrosividad, capacidad de ignición, reactividad, toxicidad y cualquier otro tipo de caracterización requerido por Key Energy. El agua utilizada durante la prueba hidrostática será removida de los tanques (frac-tanks) dentro de un periodo de diez (10) días calendarios después que la prueba hidrostática haya sido terminada. El agua utilizada durante la prueba hidrostática no será descargada al ambiente. Después de haber recibido la aprobación por parte de NMOCD, el agua utilizada será transportada e inyectada en un pozo de inyección permitido con la Clase 1 y operado por Key Energy en Farmington, Nuevo México.

El agua subterránea superficial probablemente será afectada por una fuga (goteo), una descarga accidental, o por un derrame que pudiese existir a una profundidad aproximada de 8 pies por debajo de la superficie de tierra. El sistema del acuífero superficial probablemente tiene una concentración total de sólidos en suspensión menor a 1,000 miligramos por litro.

La notificación de intención especifica claramente de cómo se va a proceder, ejecutar y/o manejar el agua utilizada durante la prueba hidrostática y desechos producidos, incluyendo su manejo, almacenaje, y disposición final de los mismos. El plan también incluye los procedimientos para el manejo apropiado de fugas, descargas accidentales, y de derrames en las aguas del Estado de Nuevo México.

Para información adicional, para ser colocado en la lista de personas a quienes se les enviarán futuras notificaciones relacionadas con instalaciones/facilidades, o para enviar comentarios, favor contactar a:

Brad Jones, Environmental Engineer
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505
Teléfono: (505) 476-3487

El Departamento de Energía, Recursos Naturales y Minerales de Nuevo México aceptará comentarios y declaraciones de interés correspondientes a esta prueba hidrostática y proporcionará futuras notificaciones bajo petición.