HIP - 106

GENERAL CORRESPONDENCE

YEAR(S): 2007

PNM Resources
Alvarado Square
Albuquerque, NM 87158-2104
www.pnmresources.com
505.241.2031
Fax: 505.241.2376

PNM Resources

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

November 20, 2007

Brad Jones
State of New Mexico - Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

RE: PNM Albuquerque Mainline Pressure Test HI-101
Hydrostatic Test Completion Notice

Dear Mr. Jones,

Public Service Company of New Mexico (PNM) has completed the hydrostatic test and discharge for the Albuquerque Mainline project.

Thank you for your assistance. If additional information is required, please call me at (505) 241-0627.

Sincerely,

Michael Prescott
Environmental Scientist
Cc: ESD/DCC

PNM Resources
Alvarado Square
Albuquerque, NM 87158-2104
www.pnmresources.com
505.241.2031
Fax: 505.241.2376

PNM Resources

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

September 11, 2007

Brad Jones
State of New Mexico - Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

RE: Hydrostatic Test Discharge Permit HI-106
PNM Albuquerque Mainline Pressure Test

Dear Mr. Jones,

Based on the chemical cleaning contractor's analysis of the Albuquerque Mainline pipeline, it was determined that a different cleaning agent should be used than was originally proposed to adequately clean the pipe. Attached is the new MSDS sheet for the cleaning agent. There is no change to the volume of the chemical cleaning waste stream identified in the discharge permit application.

Sincerely,

Marcelle Fiedler
Senior Environmental Scientist

MATERIAL SAFETY DATA SHEET

GC-1001

Date: 1-17-2007	Page 1 of 6

Section I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT: GC-1001
SUPPLIER:

EMERGENCY 24 HOUR PHONE:

1-800-535-5053

GCS CHEMICAL.
Rt. 1 Box 259 HWY 99 South
Pawhuska, OK 74056
(918) 287-3850

Section II. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS/ (%) CAS NUMBER	EXPOSURE LIMITS	CONCENTRATION %
METHANOL 67-56-1	TWA (OSHA) 200 ppm TLV (ACGIH) 200 ppm	<15
ISOPROPYL ALCOHOL 67-63-0	NONE ESTABLISHED	<15

Section III. HAZARDS IDENTIFICATION

ACUTE EXPOSURE: Can cause irritation to eyes, skin and respiratory tract.
CHRONIC EXPOSURE: Chronic overexposure can cause damage to kidneys, blood, nerves, liver and lungs. Persons with severe skin, liver or kidney problems should avoid use.

Potential Health Effects

EYE: Risk of serious damage to eyes. Can cause tearing, or irritation, burning sensation, redness, swelling and/or blurred vision.

SKIN: Causes irritation or drying of the skin.

INHALATION: Irritates respiratory tract, vapors may cause drowsiness and dizziness. After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped give artificial respiration.

INGESTION: Toxic: danger of very serious irreversible effects if swallowed.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Pre-existing medical conditions of the following organs or organ system may be aggravated by exposure to this material: skin, eyes.

Section IV. FIRST AID MEASURES

EYE CONTACT: Flush eyes with water for 15 minutes. Get medical advice.

SKIN CONTACT: Remove contaminated clothing. Wash skin thoroughly with water and soap. Get medical advice if symptoms develop and persist. Wash contaminated clothing before reuse.

INHALATION: Remove victim to fresh air and, if needed, immediately begin artificial respiration. Give oxygen if breathing is labored. Get emergency medical help. Contact physician immediately.

INGESTION: Call a physician immediately. DO NOT induce vomiting. Have patient lie down and keep warm. Vomiting may lead to phuemonitis, which may be fatal. Transport to the nearest medical facility immediately for further treatment.

Section V. FIRE FIGHTING MEASURES

FLASHPOINT (METHOD): > 54 F

FLAMMABLE LIMITS: Lower - ND Upper - ND

EXTINGUISHING MEDIA: DRY POWDER
CARBON DIOXIDE

Special Fire Fighting Procedures: Water spray may be ineffective on fire but can protect fire fighters and cool closed containers. Do not use water in a jet. Use fog nozzles if water is used. Do not enter confined fire-space without full bunker gear. (Helmet with face shield, bunker coats, gloves and rubber boots.) Use NIOSH approved positive-pressure self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: **Highly flammable. Vapors can cause flash fire.** Isolate from oxidizers, heat, sparks, electric equipment and open flame. Carbon monoxide may be evolved if incomplete combustion occurs. The vapor is heavier than air, spreads along the ground and distant ignition is possible. Closed containers may explode if exposed to extreme heat. Applying to hot surfaces requires special precautions.

Section VI. ACCIDENTAL RELEASE MEASURES

In case of spillage, absorb with inert material and dispose of in accordance with applicable regulations.

Section VII. HANDLING AND STORAGE

Handling: Electrostatic charges may be generated during pumping, which could cause fire.

Ensure electrical continuity by bonding and grounding all equipment. Restrict line velocity during pumping in order to avoid generation of electrostatic discharge.

Storage: Keep away from aerosols, flammables, oxidizing agents, corrosives and from products harmful or toxic to man or the environment. Must be stored in a well ventilated area, away from sunlight, ignition sources and other sources of heat.
Do not store above 49 C/120 F. Store in tightly closed and upright containers.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Controls: Ventilate to keep vapors of this material below 100 ppm. If over TLV in accordance with 29 CFR 1910.134, use NIOSH approved positive-pressure self-contained breathing apparatus.

Ventilation: Mechanical (general) ventilation is acceptable.

Personal Protection: Wear OSHA standard goggles or face shield. Consult safety equipment supplier. Wear gloves, apron and footwear impervious to this material. Wash clothing before reuse.

WORK HYGIENIC PRACTICES: Avoid contact with skin, eyes, and clothing. After handling this product, wash hands before eating, drinking, or smoking. If contact occurs, remove contaminated clothing. If needed, take First Aid action shown in Section IV. Launder contaminated clothing before reuse.

Section IX. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear Liquid
pH: ND
Freezing Point: -126 F
Vapor Pressure: ND
Solubility: Completely miscible
Odor: Bland odor
Boiling Point: ND
Flash Point: > 54F
Vapor Density(Air = 1): ND
Specific Gravity (H2O = 1): .79

Section X. STABILITY AND REACTIVITY

Chemical Stability: Stable

Materials to avoid: Strong oxidizing materials, strong acids.

Conditions to avoid: Heat, open flames, and sparks and other ignition sources

Hazardous Decomposition or Byproducts: From fire: Smoke, carbon dioxide, carbon monoxide.

Hazardous Polymerization will not occur under normal conditions.

Section XI. TOXICOLOGICAL INFORMATION

Material	Cas #	TWA (OSHA)	TLV (ACGIH)	HAP
Methanol	67-56-1	200 ppm S	200 ppm S	yes

Each component showing "yes" under "HAP" is an EPA Hazardous Air Pollutant.

Methanol	67-56-1	Ceiling: None Known	STEL: 250 ppm (OSHA/ACGIH)

Acute hazards: None known.

Eye & Skin contact: Primary irritation to skin is defatting, dermatitis. Primary irritation to eyes is redness, tearing, blurred vision. Liquid can cause eye irritation. Wash thoroughly after handling.

Inhalation: Anesthetic. Irritates respiratory tract. Acute overexposure can cause serious nervous system depression. Vapor harmful. Breathing vapor can cause irritation. Acute overexposure can cause damage to kidneys, blood, nerves, liver and lungs. Repeated exposure over TLV can cause blindness.

Swallowing: Can be fatal or cause blindness if swallowed. Cannot be made non-poisous. POISON! Can cause irreversible nervous system damage and death. Harmful or fatal if swallowed. Swallowing can cause abdominal irritation, nausea, vomiting and diarrhea.

Subchronic hazards and conditions aggravated: Absorption through skin may be harmful. Studies with laboratory animals indicate this product can cause damage to fetus. This product has no carcinogens listed by IARC, NTP, NIOSH, OSHA or ACGIH as of this date. Chronic overexposure can cause damage to kidneys, blood, nerves, liver and lungs. Persons with severe skin, liver or kidney problems should avoid use.

Section XII. ECOLOGICAL INFORMATION

Acute toxicity: Product has low toxicity for fish, aquatic invertebrates and microorganisms and expected to have low toxicity for algae.

Mammalian information: Products lowest lethal dose data : Oral LD 50 is 1000. 0 mg/kg (man) and Skin LD 50 is 20000.0 mg/kg (rabbits).

Mobility: Dissolves in water and considered mobile liquid. If product enters soil, it will be highly mobile and may contaminate groundwater.

Degradability: Readily biodegradable meeting the 10 day window criterion. Oxidises rapidly by photo-chemical reactions in air.

Bioaccumulation: Not expected to bioaccumulate significantly.

Product Name: GC-1001	Page 5 of 6
Date: 1-17-07	

Section XIII. DISPOSAL CONSIDERATIONS

Waste Disposal Method: EPA approved Hazardous Waste Site. Follow applicable local, state, and federal regulations.

Section XIV. TRANSPORT INFORMATION

DOT (Department of Transportation): Shipping name: GC-1001
Drum Label: Flammable Liquid
Class/Division: 3
ID # 1230
Packing Group: II

Section XV. REGULATORY INFORMATION

SARA TITLE III, SECTION 313

TOXIC CHEMICAL	CAS #	CONCENTRATION (%)
Methanol	67-56-1	<10%
Isopropyl Alcohol	67-63-0	<10%

This product contains the indicated toxic chemicals subject to the reporting requirements of section 313 of the emergency planning and community Right-to-Know Act of 1986 and of 40 CFR 372. This information must be included in all MSDSs that are copied and distributed for this material.

EPA HAZARDS: **SARA SECTION 311/312 HAZARDS**
Acute Health, Fire

CERCLA RQ VALUE: 5000 pounds if in one container

Section XVI. OTHER INFORMATION

NFPA HEALTH	1
HMIS FLAMMABILITY	3
HMIS REACTIVITY	0
HMIS PERSONAL PROTECTION	B

This information is intended for the soul use of individuals trained in the NFPA &HMIS hazard rating systems.

This MSDS has been revised to upgrade format and update data. This MSDS will supersede previously issued MSDS.

EMPLOYEE TRAINING: Employees should be made aware of all hazards of this material (as stated in the MSDS) before handling.

Product Name: GC-1001	Page 6 of 6
Date: 1-17-07	

NOTICE

The data presented is true and correct to the best of our knowledge and belief, however, neither seller nor preparer makes any warranties, express or implied, concerning the information presented. The user is cautioned to perform his own hazard evaluation and to rely upon his own determinations.

ACKNOWLEDGEMENT OF RECEIPT
OF CHECK/CASH

I hereby acknowledge receipt of check No. _____ dated 8/13/07

or cash received on _____ in the amount of $ 600.00

from Public Service Company of New Mexico

for HFP-106

Submitted by: Lawrence Romero Date: 9/5/07

Submitted to ASD by: Lawrence Romero Date: 9/5/07

Received in ASD by: _____ Date: _____

Filing Fee _____ New Facility _____ Renewal _____

Modification _____ Other _____

Organization Code 521.07 Applicable FY 2004

To be deposited in the Water Quality Management Fund.

Full Payment ✓ or Annual Increment _____

PNM Resources
Alvarado Square
Albuquerque, NM 87158-2104
www.pnmresources.com
505.241.2031
Fax: 505.241.2376

PNM Resources

Hand Delivered to OCD

September 4, 2007

Brad Jones
State of New Mexico - Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

RE: PNM Albuquerque Mainline Pressure Test
Permit fee for Hydrostatic Test Discharge Permit – HI-106

Dear Mr. Jones,

Enclosed is a check in the amount of $600 for PNM's Hydrostatic Test Discharge Permit for the Albuquerque Mainline Pressure Test. PNM has completed the public notice requirement NMAC 20.6.2.3108. PNM plans to begin the chemical cleaning part of the hydrostatic test September 10, 2007.

Sincerely,

Marcelle Fiedler
Senior Environmental Scientist
Attachment: check
Cc: ESD/DCC

A personal commitment to New Mexico

If you have any questions about this payment please contact:

PNM UTILITY
Accounts Payable, MS 0720
Alvarado Square
Albuquerque, NM 87158

BANK #	CHECK DATE	VENDOR NO.	CHECK NO.
615	Aug/13/2007	0000011449	141811

INVOICE #	DATE	AMOUNT	DISC.	NET AMT	VOUCHER ID	REMARKS
080207	Aug/02/2007	600.00	0.00	600.00	00097385	

PLEASE CONTACT VELMA CRUZ TO PICK UP CHECK

Total Gross Amount	Total Discounts	Total Paid Amount
$600.00	$0.00	$600.00

Jones, Brad A., EMNRD

From: Price, Wayne, EMNRD
Sent: Friday, August 24, 2007 12:18 PM
To: Winner, Curtis
Cc: Horn, Claudette; Jones, Brad A., EMNRD
Subject: RE: PNM hydrostatic testing of new pipe-radioactive component test requirements

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From: Winner, Curtis [mailto:Curtis.Winner@pnmresources.com]
Sent: Friday, August 24, 2007 12:21 PM
To: Price, Wayne, EMNRD
Cc: Horn, Claudette
Subject: PNM hydrostatic testing of new pipe-radioactive component test requirements

Wayne,

As we discussed today, it is unlikely that the radioactive components of Radium 226 & 228 and Uranium will be detected in new pipe hydrostatically tested with fresh water from a municipal water supply. Therefore PNM proposes to not include these components in our hydrostatic testing sampling plans submitted as part of our individual permit applications. Do you agree with this approach?

We agree that all tests of used pipe will include these constituents as required by the WQCC regulations.

Curtis J. Winner
Manager, Environmental Construction and Maintenance
Public Service Company of New Mexico
Alvarado Square MS 2104
Albuquerque, NM 87158
Work: (505)241-0625
Cell: (505)269-8181

PNM Resources
Alvarado Square
Albuquerque, NM 87158-2104
www.pnmresources.com
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Fax: 505.241.2376

PNM Resources

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

August 15, 2007

Brad Jones
State of New Mexico - Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

RE: Public Notice Requirements for the Hydrostatic Test Discharge Permit HI-106 PNM Albuquerque Mainline Pressure Test

Dear Mr. Jones,

In compliance with NMAC 20.6.2.3108, PNM is submitting proof of public notice for the Hydrostatic Test Discharge Permit HI-106. Enclosed is:

- An affidavit of mailings to underlying and adjacent landowners,
- Proof of Publication in the Farmington Daily Times, and
- An affidavit of the posting of two (2) signs near the project site including pictures of the signs.

Mailings to adjacent and underlying landowners
Notification letters with a copy of the public notice was sent via certified mail, return receipt to underlying and adjacent landowners on August 1, 2007 to:

Navajo Nation Land Department (Exhibit A)
Bureau of Land Management (Exhibit B)
Nageezi Chapter House (Exhibit C)

The certified mail and return receipts are included in each Exhibit along with copies of the letters sent.

Proof of Publication in the Farmington Daily Times
Attached is a copy of the page from the newspaper and an affidavit from the Farmington Times.

An affidavit of the posting of two (2) signs near the project site including pictures
Attached is an affidavit from Jon Jones who put up the signs at the discharge site and at a nearby store called the "44" store. Pictures of the signs are attached.

Sincerely,

Marcelle Fiedler
Senior Environmental Scientist

Attachments

AFFIDAVIT OF MAILINGS

STATE OF NEW MEXICO)
) ss
COUNTY OF BERNALILLO)

BEFORE ME, the undersigned authority, personally appeared MARCELLE FIEDLER ("Affiant") on the date written below, who having been first duly sworn according to law, deposes and says:

1. I am over the age of eighteen and competent to testify concerning the matters stated herein based on my own personal knowledge, education and experience.

2. I am a Senior Environmental Scientist employed by Public Service Company of New Mexico, a New Mexico corporation ("PNM"), in its Environmental Services Department.

3. I have personal knowledge of PNM's Albuquerque Mainline Expansion Project.

4. As part of the permitting process for PNM's Albuquerque Mainline Expansion Project, PNM filed an application for an Individual Hydrostatic Test Discharge Permit ("IHTD Permit") with the New Mexico Energy, Minerals and Natural Resources Department - Oil Conservation Division. As part of the public notice requirement for the IHTD Permit, on August 1, 2007, I personally mailed notices to all the property owners as listed on Exhibits A thru C, which said exhibits are attached hereto and made a part hereof.

FURTHER AFFIANT SAYETH NAUGHT.

Marcelle Fiedler

The foregoing was sworn to before me by Marcelle Fiedler on this 14 day of August, 2007.

My Commission Expires: April 12, 2010

(Seal)

FERNANDO VIGIL NOTARY PUBLIC STATE OF NEW MEXICO

Notary Public

PNM Resources
Alvarado Square
Albuquerque, NM 87158-2104
www.pnmresources.com
505.241.2031
Fax: 505.241.2376

Exhibit A

PNM Resources

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

July 31, 2007

W. Mike Halona
Navajo Nation Land Department
PO Box 2249
Window Rock, AZ 86515

RE: Phase II Albuquerque Mainline Expansion Project

Dear Mr. Halona:

To satisfy the New Mexico Water Quality Control Commission regulations public notice requirements for a Hydrostatic Test Permit for the Albuquerque Mainline Pressure test, PNM is required to submit to the Navajo Nation, an underlying and adjacent landowner of the discharge location, a copy of the public notice. Please find a copy of the public notice enclosed. Please feel free to contact me if you have any questions. I can be reached at 505-241-0665.

Sincerely,

Marcelle Fiedler

Environmental Scientist
Public Service Company of New Mexico
Alvarado Square MS 2104
Albuquerque, NM 87158

cc: ESD/DCC
Attachments: OCD Public Notice

NOTICE OF PUBLICATION

PNM (Public Service Company of New Mexico), Alvarado Square, Albuquerque, New Mexico 87158-2104, has submitted an application for an Individual Hydrostatic Test Discharge Permit to the New Mexico Energy, Minerals and Natural Resources Department, Oil Conservation Division (OCD) for the Albuquerque Natural Gas Pipeline. Approximately 12 miles of 20-inch pipe will be hydrostatically tested using water from the City of Bloomfield. PNM will discharge the test water within T22N R08W Sections 22, 26, and 27. The discharge location can be found by turning south from State Highway 550 onto Indian Service Route/San Juan County Road 7900. After about 10 miles turn west on a dirt road approximately 3,000 feet north of the intersection of Indian Service Road 7900 and the pipeline road. The pipeline is approximately 1/4 mile from the turn off. Approximately 399,000 gallons of wastewater will be generated from the hydrostatic test. Prior to hydrostatic testing, the pipe will be dry pigged followed by chemical cleaning. Dry pigging waste (approx 500-2500 gallons) and chemical cleaning waste (between 8,000-12,000 gallons) will be stored with secondary containment at the intersection of County Roads 7970 and 7900 prior to disposal. Because the pipe will be cleaned before performing the test, the water is expected to meet Water Quality Control Commission (WQCC) water quality standards and can be sprayed on the pipeline Right of Way. If WQCC water quality standards are not met the test water will be hauled to an approved disposal location. The depth of groundwater potentially affected by the discharge is about 220-790 feet below the surface. The total dissolved solids concentration of the groundwater in the area is 870 parts per million.
Any interested person may obtain information, submit comments, and request to be placed on a facility-specific mailing list for future notices by contacting Brad Jones at the New Mexico OCD at 1220 South St Francis Drive, Santa Fe, New Mexico 87505, Telephone (505) 476-3487. The OCD will accept comments and statements of interest regarding the permit application and will create a facility-specific mailing list for persons who wish to receive future notices.

AVISO PARA PUBLICACIÓN

PNM (Public Service Company of New Mexico), Alvarado Square, Albuquerque, New Mexico 87158-2104, ha presentado una solicitud para obtener permiso para un Examen Hidrostático de Descarga Individual, procedente del New Mexico Energy, Minerals and Natural Resources Department, Oil Conservation Division (OCD), para el Gasoducto Albuquerque de Gas Natural. Aproximadamente 12 millas de tubería de 20 pulgadas serán probadas usando agua de la Cuidad de Bloomfield. PNM descargará el agua de la prueba adentro de las secciones T22N R08W 22, 26, y 27. El sitio de la descarga se encuentra volteando hacia el Sur, procediendo de la Carretera Estatal 550 y entrando a la Indian Service Route/San Juan County Road 7900. Después de aproximadamente 10 millas voltea hacia el oeste sobre un camino sin pavimento por aproximadamente 3,000 pies, al Norte de la intersección de Indian Service Road 7900 y la carretera del gasoducto. El gasoducto se encuentra aproximadamente 1/4 de milla después de haber volteado. Aproximadamente 399,000 galones de agua de desperdicio serán producto del Examen Hidrostático. Antes del Examen Hidrostático, la tubería se alistará con Dry Pigs (instrumentos para examinar) y después será lavada químicamente. El agua de desperdicio con *pigs secos* (de 500 a 2,500 galones) así como el agua de desperdicio del lavado químico, (de 8,000 a 12,000 galones) serán guardadas en un contenido segundario localizado en la intersección de County Roads 7970 y 7900, hasta su disposición. Como la tubería será limpiada antes de la ejecución del Examen, se espera que el agua satisfaga las normas de calidad del Water Quality Control Comisión (WQCC) y pueda así ser regada sobre el derecho de la vía del Gasoducto. Si las normas de calidad del agua del WQCC no son satisfechas, el agua del Examen será transportada a un lugar aprobado para su disposición. La profundidad del agua subterránea que pueda ser afectada por el descargue es de entre 220 a 790 pies debajo de la superficie. La concentración total de sólidos disueltos en el agua subterránea del área es de 870 unidades por millón. Cualquier persona interesada puede obtener información, presentar comentarios, o pedir que sea incluido en la lista de correo de una facilidad especifica para recibir avisos en el futuro, dirigiéndose a Brad Jones en el New Mexico OCD en el 1220 South St Francis Drive, Santa Fe, New Mexico 87505, Teléfono (505)-476-3487. El OCD aceptará comentarios y declaraciones de interés sobre la solicitud del permiso y establecerá una lista de correo aplicable a facilidades específicas para las personas que desean recibir avisos en el futuro.

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

W. Mike Halona
Navajo Nation Land Department
Post Office Box 2249
Window Rock, AZ 86515

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by (Printed Name) Josephine Tsosie
C. Date of Delivery 8/8/07

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☒ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7006 0810 0005 9137 8801

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

7006 0810 0005 9137 8801

U.S. Postal Service™ 5104
CERTIFIED MAIL™ RECEIPT Marcelle
(Domestic Mail Only; No Insurance Coverage Provided)
For delivery information visit our website at www.usps.com®
OFFICIAL USE

Postage	$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$

DTS AUG 1 2007 Postmark Here ALBUQUERQUE NM 87103

W. Mike Halona
Navajo Nation Land Department
Post Office Box 2249
Window Rock, AZ 86515

for Instructions

PNM Resources
Alvarado Square
Albuquerque, NM 87158-2104
www.pnmresources.com
505.241.2031
Fax: 505.241.2376

Exhibit #B

PNM Resources

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

July 31, 2007

Mary Jo Albin
Realty Specialist
Bureau of Land Management
1235 La Plata Highway, Suite A
Farmington, NM 87401

RE: Phase II Albuquerque Mainline Expansion Project

Dear Mrs. Albin:

To satisfy the New Mexico Water Quality Control Commission regulations public notice requirements for a Hydrostatic Test Permit for the Albuquerque Mainline Pressure test, PNM is required to submit to Bureau of Land Management, an underlying and adjacent landowner of the discharge location, a copy of the public notice. Please find a copy of the public notice enclosed. Please feel free to contact me if you have any questions. I can be reached at 505-241-0665.

Sincerely,

Marcelle Fiedler
Environmental Scientist
Public Service Company of New Mexico
Alvarado Square MS 2104
Albuquerque, NM 87158

cc: ESD/DCC
Attachments: OCD Public Notice

NOTICE OF PUBLICATION

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AVISO PARA PUBLICACIÓN

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SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Mary Jo Albin
Realty Specialist
Bureau of Land Management
1235 La Plata Highway, Suite A
Farmington, NM 87401

COMPLETE THIS SECTION ON DELIVERY

A. Signature
x H. Pierson ☐ Agent ☐ Addressee

B. Received by (Printed Name) H. Pierson C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☒ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7006 0810 0005 9137 8818

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

7006 0810 0005 9137 8818

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®

OFFICIAL USE

Postage	$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$

DTS
ALBUQUERQUE NM 87103
AUG 1 2007 Postmark Here

Mary Jo Albin
Realty Specialist
Bureau of Land Management
1235 La Plata Highway, Suite A
Farmington, NM 87401

See Reverse for Instructions

PNM Resources
Alvarado Square
Albuquerque, NM 87158-2104
www.pnmresources.com
505.241.2031
Fax: 505.241.2376

Exhibit C

PNM Resources

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

July 31, 2007

Nageezi Chapter House
PO Box 100
Nageezi, NM 87037

RE: Phase II Albuquerque Mainline Expansion Project

To whom it may concern:

To satisfy the New Mexico Water Quality Control Commission regulations public notice requirements for a Hydrostatic Test Permit for the Albuquerque Mainline Pressure test, PNM is required to submit to you a copy of the public notice. Please find a copy of the public notice enclosed. Please feel free to contact me if you have any questions. I can be reached at 505-241-0665.

Sincerely,

Marcelle Fiedler

Senior Environmental Scientist
Public Service Company of New Mexico
Alvarado Square MS 2104
Albuquerque, NM 87158

cc: ESD/DCC
Attachments: OCD Public Notice

NOTICE OF PUBLICATION

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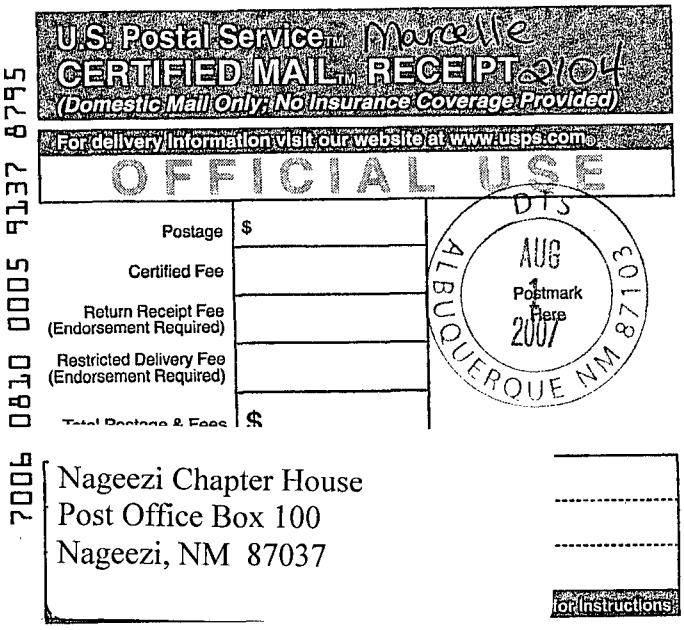

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Nageezi Chapter House
Post Office Box 100
Nageezi, NM 87037

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Louise Juick ☐ Agent ☐ Addressee

B. Received by (Printed Name) Louise Juick
C. Date of Delivery 8.13.07

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☑ No

AUG 13 2007

3. Service Type
☑ Certified Mail ☐ Express Mail
☐ Registered ☑ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7006 0810 0005 9137 8795

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

AFFIDAVIT OF PUBLICATION

Ad No. 289257

STATE OF NEW MEXICO
County of San Juan:

ROBIN ALLISON, being duly sworn says: That she is the CLASSIFIED MANAGER of THE DAILY TIMES, a daily newspaper of general circulation published in English at Farmington, said county and state, and that the hereto attached Legal Notice was published in a regular and entire issue of the said DAILY TIMES, a daily newspaper duly qualified for the purpose within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico for publication and appeared in the Internet at The Daily Times web site on the following day(s):

Friday August 03, 2007

And the cost of the publication is $178.50

Robin Allison

ON 8/14/07 ROBIN ALLISON appeared before me, whom I know personally to be the person who signed the above document.

Wynell Corey

My Commission Expires November 17, 2008

COPY OF PUBLICATION

NOTICE OF PUBLICATION

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AFFIDAVIT OF POSTING

STATE OF NEW MEXICO)
) ss
COUNTY OF BERNALILLO)

BEFORE ME, the undersigned authority, personally appeared JON W. JONES ("Affiant") on the date written below, who having been first duly sworn according to law, deposes and says:

1. I am over the age of eighteen and competent to testify concerning the matters stated herein based on my own personal knowledge, education and experience.

2. I am a PROFESSIONAL ENGINEER employed by Public Service Company of New Mexico, a New Mexico corporation ("PNM"), in its Gas Engineering Department.

3. I have personal knowledge of PNM's Albuquerque Mainline Expansion Project.

4. As part of the permitting process for PNM's Albuquerque Mainline Expansion Project, PNM filed an application for an Individual Hydrostatic Test Discharge Permit ("IHTD Permit") with the New Mexico Energy, Minerals and Natural Resources Department - Oil Conservation Division. As part of the public notice requirement for the IHTD Permit, on August 2, 2007, I personally placed two (2) signs, each measuring 2' X 3', at the following locations:

    a. The Red Mesa store and gas station called the "44 Store" located 9.6 miles NW of Lybrook, NM on NM Highway 550; and

    b. The Dugan Big Band Interconnect located on PNM's Albuquerque mainline at milepost 43.59.

FURTHER AFFIANT SAYETH NAUGHT.

Jon W. Jones

The foregoing was sworn to before me by Jon W. Jones on this 13 day of August, 2007.

My Commission Expires: July 2, 2010
(Seal)

Notary Public

Public Notice at the "44" store at the turn off for 7900 that goes to Dugan Big Band Interconnect, the discharge location.


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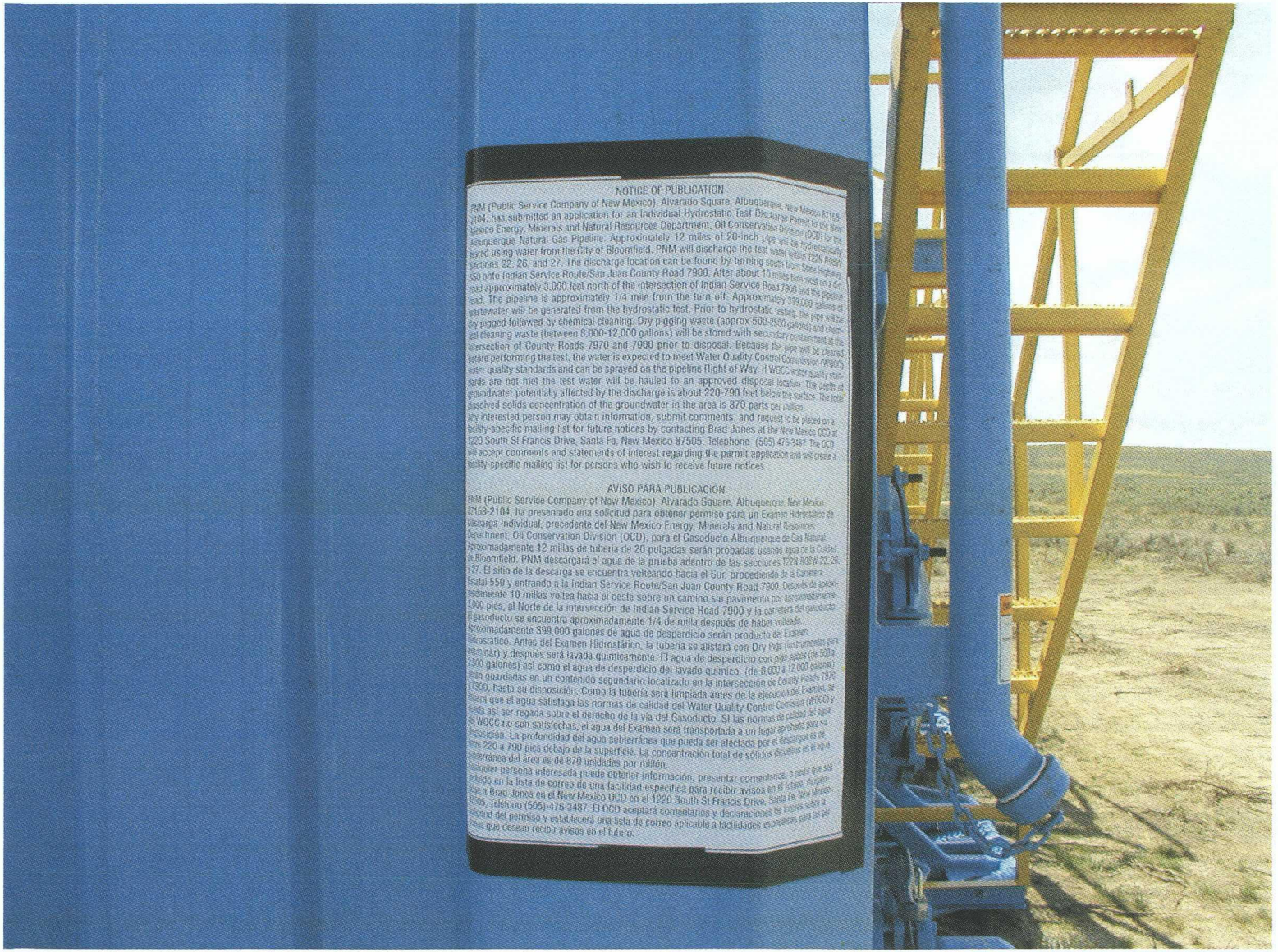
AT
AVAILABLE

Public Notice at the discharge location, Dugan Big Band Interconnect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THE DAILY TIMES
FARMINGTON, NEW MEXICO
THE FOUR CORNERS INFORMATION LEADER

PO Box 450 Farmington, NM 87499

)ate: 08/06/07

)IL CONSERVATION DIVISION

)IL CONSERVATION DIVISIO
220 SOUTH ST. FRANCIS DRIVE
ANTA FE, NM 87505
505) 476-3440

Ad#	Publication	Class	Start	Stop	Times	AS/400 Acct
000763683	FARMINGTO	0152 - Legal Notices	08/03/2007	08/03/2007	1	781442
000763683	FARMINGTO	0152 - Legal Notices	08/03/2007	08/03/2007	1	781442

Total Cost:	$178.72
Payment:	$0.00
Balance Due:	$178.72

TEXT:

NOTICE OF PUBLICATIONSTATE OF NEW MEXICOENERGY, MINERALS AND NAT

Please include Ad number on your payment.

AFFIDAVIT OF PUBLICATION

Ad No. 55485

STATE OF NEW MEXICO
County of San Juan:

ROBIN ALLISON, being duly sworn says: That she is the CLASSIFIED MANAGER of THE DAILY TIMES, a daily newspaper of general circulation published in English at Farmington, said county and state, and that the hereto attached Legal Notice was published in a regular and entire issue of the said DAILY TIMES, a daily newspaper duly qualified for the purpose within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico for publication and appeared in the Internet at The Daily Times web site on the following day(s):

Friday, August 03, 2007

And the cost of the publication is $178.72

Robin Allison

ON 8/7/07 ROBIN ALLISON appeared before me, whom I know personally to be the person who signed the above document.

Wynell Corey

My Commission Expires November 17, 2008

COPY OF PUBLICATION

NOTICE OF PUBLICATION

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations (20.6.2.3106 NMAC), the following discharge permit application(s) has been submitted to the Director of the New Mexico Oil Conservation Division ("NMOCD"), 1220 S. Saint Francis Drive, Santa Fe, New Mexico 87505, Telephone (505) 476-3440:

(HI-106) Public Service Company of New Mexico (PNM), Alvarado Square, Albuquerque, New Mexico 87158-2104, has submitted an application for an Individual Hydrostatic Test Discharge Permit for the Albuquerque Natural Gas Pipeline. Approximately 12 miles of 20-inch pipe will be hydrostatically tested using water from the City of Bloom field. PNM proposes to discharge the test wastewater along the pipeline right-of way in Sections 22, 26, and 27 of Township 22 North, Range 8 West, NMPM, San Juan County, New Mexico. The discharge location can be found by turning south from State Hwy 550 onto Indian Service Route/San Juan County Road 7900, after about 10 miles turn west on a dirt road approximately 3,000 feet north of the intersection of Indian Service Road 7900 and the pipeline road. The pipeline is approximately ¼ mile from the turn off. Approximately 399,000 gallons of wastewater will be generated from the hydrostatic test, contained in portable storage tanks in with secondary containment and tested prior to disposal. Prior to the hydrostatic testing, the pipe will be dry-pigged followed by chemical cleaning. Approximately 500-2500 gallons dry-pigging waste and between 8,000-12,000 gallons chemical cleaning waste will be contained in portable storage tanks in with secondary containment and tested prior to off-site disposal. Due to the pre-cleaning of the pipeline, the wastewater quality is expected to meet Water Quality Control Commission (WQCC) water quality standards and will be sprayed on the pipeline right of way. If WQCC water quality standards are not met the test water will be hauled to an approved disposal location. Ground water most likely to be affected by an accidental discharge is at a depth of approximately 220 to 790 feet with a total dissolved solids concentration of 870 mg/l. The plan consists of a description of the method and location for collection, testing and retention of fluids and solids, how products and wastes will be properly handled, stored, and disposed of, including how spills, leaks, and other accidental discharges to the surface will be managed in order to protect fresh water.

The NMOCD has determined that the application is administratively complete and has prepared a draft permit. The NMOCD will accept comments and statements of interest regarding this application and will create a facility-specific mailing list for persons who wish to receive future notices. Persons interested in obtaining further information, submitting comments or requesting to be on a facility-specific mailing list for future notices may contact the Environmental Bureau Chief of the Oil Conservation Division at the address given above. The administrative completeness determination and draft permit may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday, or may also be viewed at the NMOCD web site http://www.emnrd.state.nm.us/ocd/. Persons interested in obtaining a copy of the application and draft permit may contact the NMOCD at the address given above. Prior to ruling on any proposed discharge permit or major modification, the Director shall allow a period of at least thirty (30) days after the date of publication of this notice, during which interested persons may submit comments or request that NMOCD hold a public hearing. Requests for a public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines that there is significant public interest.

If no public hearing is held, the Director will approve or disapprove the proposed permit based on information available, including all comments received. If a public hearing is held, the director will approve or disapprove the proposed permit based on information in the permit application and information submitted at the hearing.

Para obtener más información sobre esta solicitud en espan?ol, sirvase comunicarse por favor: New Mexico Energy, Minerals and Natural Resources Department (Depto. Del Energia, Minerals y Recursos Naturales de Nuevo México), Oil Conservation Division (Depto. Conservacion Del Petróleo), 1220 South St. Francis Drive, Santa Fe, New México (Contacto: Dorothy Phillips, 505-476-3461)

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 26th day of July 2007.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

SEAL

Mark Fesmire, Director

Legal No. 55485 published in The Daily Times, Farmington, New Mexico on Friday, August 3, 2007.

NOTICE OF PUBLICATION

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations (20.6.2.3106 NMAC), the following discharge permit renewal application has been submitted to the Director of the New Mexico Oil Conservation Division ("NMOCD"), 1220 S. Saint Francis Drive, Santa Fe, New Mexico 87505, Telephone (505) 476-3440:

(GW324) Mission Petroleum Carriers, Inc., David Fontenot, 8450 Mosley Road, Houston, Texas 77075, has submitted a renewal application for the previously approved discharge plan (GW-324) for the Denton Truck Unloading Facility (oil and gas service company) located in the NE/4 of Section 16, Township 15 South, Range 37 East, NMPM, Lea County, New Mexico, approximately 10 miles east of Lovington, New Mexico on U.S. Highway 82. This is an unloading facility only where crude oil is unloaded to be stored until it is later piped to Texas, New Mexico, etc. All fluids generated at this site are contained within collection steel tanks prior to injection into a pipeline. Groundwater most likely to be affected by a spill, leak or accidental discharge is at a depth of approximately 50 feet below ground surface, with a total dissolved solids concentration of approximately 408 mg/L. The discharge plan addresses how oilfield products and waste will be properly handled, stored, and disposed of, including how spills, leaks, and other accidental discharges to the surface will be managed in order to protect fresh water.

(HI-106) Public Service Company of New Mexico (PNM), Alvarado Square, Albuquerque, New Mexico 87158-2104, has submitted an application for an Individual Hydrostatic Test Discharge Permit for the Albuquerque Natural Gas Pipeline. Approximately 12 miles of 20-inch pipe will be hydrostatically tested using water from the City of Bloomfield. PNM proposes to discharge the test wastewater along the pipeline right-of way in Sections 22, 26, and 27 of Township 22 North, Range 8 West, NMPM, San Juan County, New Mexico. The discharge location can be found by turning south from State Hwy 550 onto Indian Service Route/San Juan County Road 7900, after about 10 miles turn west on a dirt road approximately 3,000 feet north of the intersection of Indian Service Road 7900 and the pipeline road. The pipeline is approximately _ mile from the turn off. Approximately 399,000 gallons of wastewater will be generated from the hydrostatic test, contained in portable storage tanks in with secondary containment and tested prior to disposal. Prior to the hydrostatic testing, the pipe will be dry-pigged followed by chemical cleaning. Approximately 500-2500 gallons dry-pigging waste and between 8,000-12,000 gallons chemical cleaning waste will be contained in portable storage tanks in with secondary containment and tested prior to off-site disposal. Due to the pre-cleaning of the pipeline, the wastewater quality is expected to meet Water Quality Control Commission (WQCC) water quality standards and will be sprayed on the pipeline right of way. If WQCC water quality standards are not met the test water will be hauled to an approved disposal location. Ground water most likely to be affected by an accidental discharge is at a depth of approximately 220 to 790 feet with a total dissolved solids concentration of 870 mg/l. The plan consists of a description of the method and location for collection, testing and retention of fluids and solids, how products and wastes will be properly handled, stored, and disposed of, including how spills, leaks, and other accidental discharges to the surface will be managed in order to protect fresh water.

The NMOCD has determined that the application is administratively complete and has prepared a draft permit. The NMOCD will accept comments and statements of interest regarding this application and will create a facility-specific mailing list for persons who wish to receive future notices. Persons interested in obtaining further information, submitting comments or requesting to be on a facility-specific mailing list for future notices may contact the Environmental Bureau Chief of the Oil Conservation Division at the address given above. The administrative completeness determination and draft permit may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday, or may also be viewed at the NMOCD web site http://www.emnrd.state.nm.us/ocd/. Persons interested in obtaining a copy of the application and draft permit may contact the NMOCD at the address given above. Prior to ruling on any proposed discharge permit or major modification, the Director shall allow a period of at least thirty (30) days after the date of publication of this notice, during which interested persons may submit comments or request that NMOCD hold a public hearing. Requests for a public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines that there is significant public interest.

If no public hearing is held, the Director will approve or disapprove the proposed permit based on information available, including all comments received. If a public hearing is held, the director will approve or disapprove the proposed permit based on information in the permit application and information submitted at the hearing.

Para obtener más información sobre esta solicitud en espan ol, sírvase comunicarse por favor: New Mexico Energy, Minerals and Natural Resources Department (Depto Del Energia, Minerals y Recursos Naturales de Nuevo México), Oil Conservation Division (Depto. Conservacio n Del Petróleo), 1220 South St. Francis Drive, Santa Fe, New México, (Contacto: Dorothy Phillips, 505-476-3461)

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 26th day of July, 2007.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

S E A L
Mark Fesmire,
Director
Legal#81377
Pub. July 31, 2007

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Mark E. Fesmire, P.E.
Director
Oil Conservation Division

July 26, 2007

Ms. Marcelle Fiedler
Senior Environmental Scientist
PNM
Alvarado Square MS2104
Albuquerque, New Mexico 87158-2104

Re: Hydrostatic Test Discharge Permit HI-106
PNM Albuquerque Mainline Pressure Test
Discharge Location: Sections 22, 26, and 27, Township 22 North, Range 8 West, NMPM, San Juan County, New Mexico

Dear Ms. Fiedler:

The New Mexico Oil Conservation Division (OCD) has received Public Service Company of New Mexico's (PNM) request dated July 23, 2007, for authorization to discharge approximately 399,000 gallons of wastewater from a hydrostatic test of 12.8 miles of the Albuquerque Mainline, a natural gas pipeline that extends from Albuquerque to Bloomfield, New Mexico. The proposed discharge site is along the pipeline right-of-way located within Sections 22, 26, and 27, Township 22 North, Range 8 West, NMPM, San Juan County, New Mexico. The submittal provided the required information in order to deem the application "administratively" complete. The OCD approves the Farmington Daily Times as the newspaper of general circulation for the published notice and the discharge location and the post office and/or "44" store and gas station in Nageezi, New Mexico as proposed posting locations.

Therefore, the July 2006 New Mexico Water Quality Control Commission (WQCC) regulations notice requirements (20.6.2.3108 NMAC) must be satisfied and demonstrated to the OCD. The hydrostatic test event shall not be initiated until the OCD notice period passes, the permit is issued, and the additional permit fee is paid.

If there are any questions regarding this matter, please do not hesitate to contact me at (505) 476-3487 or brad.a.jones@state.nm.us.

Sincerely,

Brad A. Jones
Environmental Engineer

BAJ/baj

xc: OCD District III Office, Aztec

Jones, Brad A., EMNRD

From: Fiedler, Marcelle [Marcelle.Fiedler@pnmresources.com]
Sent: Thursday, July 26, 2007 11:25 AM
To: Jones, Brad A., EMNRD
Cc: Jones, Jon; Winner, Curtis
Subject: Location of public notice postings

Brad
Per our phone conversation I am emailing you our proposed locations for posting the 2 ft by 3 ft sign in English and Spanish for the Albuquerque Mainline hydrostatic test. Pending permission from the property owner, we plan to post a sign at the 44 store and gas station at the turn off to County Road 7900. If that is not possible we will post a sign at the Nageezi post office (or store next door), with permission from the property owner. In addition a similar sign will be posted at the discharge location.

Please confirm that OCD approves these locations. Thanks

marcelle

Marcelle Fiedler
PNM Alvarado Square MS 2104
Albuquerque, NM 87158

ph: 505-241-0665
fax: 505-241-2384
cell: 505-220-1056

NOTICE OF PUBLICATION

PNM (Public Service Company of New Mexico), Alvarado Square, Albuquerque, New Mexico 87158-2104, has submitted an application for an Individual Hydrostatic Test Discharge Permit to the New Mexico Energy, Minerals and Natural Resources Department, Oil Conservation Division (OCD) for the Albuquerque Natural Gas Pipeline. Approximately 12 miles of 20-inch pipe will be hydrostatically tested using water from the City of Bloomfield. PNM will discharge the test water within T22N R08W Sections 22, 26, and 27. The discharge location can be found by turning south from State Highway 550 onto Indian Service Route/San Juan County Road 7900. After about 10 miles turn west on a dirt road approximately 3,000 feet north of the intersection of Indian Service Road 7900 and the pipeline road. The pipeline is approximately ¼ mile from the turn off. Approximately 399,000 gallons of wastewater will be generated from the hydrostatic test. Prior to hydrostatic testing, the pipe will be dry pigged followed by chemical cleaning. Dry pigging waste (approx 500-2500 gallons) and chemical cleaning waste (between 8,000-12,000 gallons) will be stored with secondary containment at the intersection of County Roads 7970 and 7900 prior to disposal. Because the pipe will be cleaned before performing the test, the water is expected to meet Water Quality Control Commission (WQCC) water quality standards and can be sprayed on the pipeline Right of Way. If WQCC water quality standards are not met the test water will be hauled to an approved disposal location. The depth of groundwater potentially affected by the discharge is about 220-790 feet below the surface. The total dissolved solids concentration of the groundwater in the area is 870 parts per million.

Any interested person may obtain information, submit comments, and request to be placed on a facility-specific mailing list for future notices by contacting Brad Jones at the New Mexico OCD at 1220 South St Francis Drive, Santa Fe, New Mexico 87505, Telephone (505) 476-3487. The OCD will accept comments and statements of interest regarding the permit application and will create a facility-specific mailing list for persons who wish to receive future notices.

PNM Resources
Alvarado Square
Albuquerque, NM 87158-2104
www.pnmresources.com
505.241.2031
Fax: 505.241.2376

PNM Resources

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

July 23, 2007

Brad Jones
State of New Mexico - Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

RE: PNM Albuquerque Mainline Pressure Test
Request for Individual Permit to Hydrostatically Test and Discharge

Dear Mr. Jones,

In April 2007, Public Service Company of New Mexico (PNM) submitted a request for an individual permit to hydrostatically test and discharge for the Albuquerque Mainline project. PNM would like to rescind the original application and reapply with this request.

Summary of Activities
PNM will hydrostatically test a portion of the Albuquerque Mainline, a gas pipeline that extends from Albuquerque to Bloomfield in San Juan County, New Mexico. The 12.8 miles of 20-inch pipe will be hydrostatically tested using approximately 399,000 gallons of water from a Bloomfield municipal source. Most of the pipeline segment is used pipe. The pipeline will be cleaned prior to testing.

Name and Address of Discharger
PNM
Marcelle Fiedler
Alvarado Square MS2104
Albuquerque, NM 87158

Location and Legal Description of Discharge

The test water will be collected at Dugan Big Band Interconnect, milepost 43.59, within Section 27 T22N R8W. This location can be found by turning south from State Highway 550 onto Indian Service Route/San Juan County Road 7900. After approximately 10 miles, turn west on a dirt road approximately 3,000 feet north of the intersection of Indian Service Road 7900 and the pipeline road. The pipeline is approximately ¼ mile from the turn off.

Once collected, the hydrostatic test water will be tested and if approved by OCD will be discharged within Sections 22,26,27 T22N R8W along the PNM gas pipeline right-of-way (ROW) with a sprayer truck. Water will be sprayed along PNM's 50 foot ROW approximately ¾ mile to the north and south of Dugan Big Band Interconnect, the location where water comes out

of the pipe. Enclosed is a map showing the location along the ROW where water will be sprayed. Areas where water will not be sprayed, because they do not meet the siting criteria, are also shown.

Maps

The following maps are included with this permit application.

- Overview of project area (topo map)
- Discharge site (topo and aerial map)
- Well and depth to ground water
- Floodplain map
- Geology of area
- Soils
- Land Ownership map

Demonstration of Compliance with Siting Criteria

See attached Discharge Site Map and Certification of Compliance with Siting Criteria completed by the PNM Project Manager. As noted above, areas along the discharge route which do not conform to the siting criteria (e.g.) will be avoided. This will be accomplished through contractor training and flagging/signs along the ROW.

Compliance with OCD's siting criteria are met because:

1. Hydrostatic test water will not be discharged within 200 feet of any watercourse (see Discharge site map)
2. The nearest well is more than 4000 ft away from the discharge site and the discharge area is not within the 100 year floodplain (see Vicinity well and FEMA Flood plain maps)
3. There are no wetlands within 500 ft (see Discharge site map)
4. PNM contacted the NM Bureau of Mines and Minerals about subsurface mines and email verification was submitted to PNM that there are no mines in the area. (see attached email from Bureau of Mines)
5. There are no residences, schools, hospitals, or churches within 500 feet (see Discharge site map)

Description of Activities

The Albuquerque Mainline will be hydrostatically tested in three sections using approximately 399,000 gallons of water from a Bloomfield municipal source. Each section will be tested for a minimum of 8 hours.

Prior to hydrostatic testing, the pipeline will be dry pigged followed by chemical cleaning. The MSDS for the proposed cleaning agent is attached. Four to six chemical cleaning runs are anticipated in order to achieve desired pipe conditions. For each run, 200 gallons of cleaning agent will be mixed with 1800 gallons of water for an estimated total of 8,000 to 12,000 gallons of chemical cleaning fluids.

PNM intends to have all tanks and water removed from the site within 91 days of the start of the dry pigging. We anticipate this date to be approximately November 23rd, assuming a start date of

August 27, 2007. Enclosed is a project timeline showing estimated start and end dates of the hydrostatic test activities.

Method & Location for Collection and Retention of Fluids & Solids

Hydrostatic Test

Twenty 20,000 gallon mobile tanks will be used to contain the test water prior to discharge. The test water will be transferred from the pipe into the tanks by connecting a hose from the pipe directly to the tanks. When filling, the tanks will be interconnected. When a tank has been filled, valves will be closed/disconnected to isolate the filled tank. PNM will use plastic liner or drip trays under hoses and valves to collect drips and leaks when transferring water. PNM will conduct daily inspections of each tank containing test water.

Dry Pigging

Approximately 500-2500 gallons of dry pigging waste will be collected in a 60 barrel tanker and transferred to a 3,000 gallon plastic tank (the tank dimensions are 8 feet in diameter and 8 feet tall) at the intersection of County Roads 7970 and 7900 for storage prior to disposal. Hay bales and a plastic liner will be installed around the tank for secondary containment that will be sufficient to hold one and a third the tanks capacity. PNM will use plastic liner or drip trays under hoses and valves to collect drips and leaks when transferring wastes.

Chemical Cleaning

The fluids from each cleaning run will be collected in a 60-barrel tanker truck and transferred to four 3,000 gallon tanks that are not interconnected (the tank dimensions are 8 feet in diameter and 8 feet tall) at the intersection of County Roads 7970 and 7900 for storage prior to disposal. Hay bales and a plastic liner will be installed around the tank for secondary containment that will be sufficient to hold one and a third the tanks capacity, approximately 4,000 gallons. PNM will use plastic liner or drip trays under hoses and valves to collect drips and leaks when transferring wastes.

Separate trucks will be used to transport the dry pigging waste and chemical cleaning waste to the storage area. Dry pigging waste and chemical cleaning waste will be stored in separate tankers.

BMPs to Contain Discharge On Site & Control Erosion

Water will be sprayed onto the ROW in a controlled rate so that erosion does not occur. Water will not be sprayed on days when wind will carry the water off the ROW.

Request for Alternate Treatment/Disposal

If the hydrostatic test water does not meet conditions for discharge to the ROW, PNM has made arrangements with Key Energy Services for Class I injection well disposal, if the test water meets Key Energy Services disposal criteria.

Hydrostatic Test Water Sampling Plan

Hydrostatic test water samples will be collected from the first and last tank filled. The test water will be analyzed for the constituents identified in NMAC 20.6.2.3103 (A)(B(C). Upon receipt of the analytical results, PNM will submit them to the OCD for approval to discharge.

During PNM's meeting with the OCD on June 20th, PNM stated that we may pull a water sample from the first section of pipe hydrostatically tested for our own reference. At the meeting, it was agreed that the sampling plan, for the purposes of the discharge permit, would consist of sampling of the first and last storage tanks to receive the hydrostatic test water. No other sampling was going to be required by the OCD as the first and last storage tanks would provide the most accurate and sufficient representation of the test water. Therefore, we think it is inappropriate to include any other sampling which PNM may conduct for its own information.

At the June meeting, PNM agreed to expedite the laboratory analyses to minimize the storage time of the test water in the storage tanks. The calendar we provided with our July 2nd submittal reflects "rush turnaround" for each analysis.

Disposal of Fluids & Solids

Dry Pigging Waste

A representative sample of the dry pigging waste will be taken from the storage tank. Prior to disposal, the dry pigging waste will be analyzed for the following:

- TPH (418.1)
- TCLP (RCRA 8)
- NORM Testing
- BTEX, MTB, TMB (8021B)
- PCB (8082)
- Reactivity
- Corrosivity
- Ignitability
- Paint Filter (9095A)
- Chlorides

If the dry pigging waste is Non-Hazardous/ Non-RCRA regulated, passes the paint filter test and does not exceed 1,000 ppm for chlorides, it will go to Envirotech Inc. (Farmington, NM) for landfarming. The landfarm will receive an OCD form C-138 certified by the generator before disposal. If it is Hazardous/RCRA regulated, it will go to Clean Harbors Aragonite TSDF (Knolls, Utah) for incineration.

Chemical Cleaning

A representative sample of the chemical cleaning fluids will be taken from the storage tank. Prior to disposal, the chemical cleaning fluids will be analyzed for the following:

- TPH (418.1)
- TCLP (RCRA 8)
- NORM Testing
- BTEX, MTB, TMB (8021B)
- PCB (8082)
- Reactivity

- Corrosivity
- Ignitability
- Chlorides

If the chemical cleaning waste is Non-Hazardous/ Non-RCRA regulated, it will go to Key Energy Services Class 1 Injection Well (Farmington, NM). If it is Hazardous/RCRA regulated, it will go to Clean Harbors Aragonite TSDF (Knolls, Utah) for incineration.

Expected Quality & Volume of Discharge

The expected volume of the hydrostatic test discharge is approximately 399,000 gallons. Given the extensive pipeline cleaning prior to the test, water quality is expected to be comparable to the quality of the inlet municipal water and will be analyzed to determine if it meets WQCC standards.

Geological Characteristics of Subsurface at Discharge Site

According to the NM Bureau of Mines and Mineral resources geologic map, the project is within the San Juan Basin in the Nacimiento formation. Soils in the area are Blancot-Notal association gently sloping. The Blancot series consists of very deep, well-drained soils that formed in alluvium and fan alluvium from sandstone and shale. They are on valley sides and ridges. Notal series are very deep, well drained soils on stream terraces on valley floors and alluvial fans on valley sides, fan terraces and small depression of undulating plateaus. They formed in alluvium, stream alluvium and fan alluvium from shale, siltstone, and sandstone (NRCS soils data). The NM Bureau of Mines and Mineral geologic map may be found: http://geoinfo.nmt.edu/publications/maps/geologic/state/home.html - Open file geologic maps for the quadrangles were not available. Information about soils was obtained from the NRCS web soil survey website: http://websoilsurvey.nrcs.usda.gov/app/

Depth & TDS Concentration of Ground Water Most Likely to be Affected by Discharge

According to State Engineer well records, the recorded depth to water from several wells within T22N R08W Section 23 are 220 feet and 790 feet. Total Dissolved solids from a water well shown on maps from the *USGS Hydrogeology of the San Jose, Nacimiento, and Animas Formations in the San Juan structural basin, New Mexico, Colorado, Arizona and Utah*, is 870 parts per million. (see enclosed maps)

ID of Landowners at and Adjacent to Discharge Site and Collection/Retention Site

A map is provided showing the landownership of the underlying and adjacent property owners from the pipeline ROW discharge location and area where water will be sprayed if it approved by OCD. BIA and BLM are the underlying and adjacent landowners and both have been notified via certified mail about the project and hydrostatic test.

Closing

In the event of a release associated with project activities, PNM will comply with OCD's Release Notification and Corrective Action regulation NMAC 19.15.3.116 to remediate the spill as soon as possible.

A check for $100 was submitted with our rescinded application. Therefore, we are not submitting a filing fee with this application. If an additional filing fee is required, please let me know.

Once OCD rules this application as administratively complete, PNM will provide notice of the permit application in the Farmington Daily Times following requirements in NMAC 20.6.2.3108. In addition, a sign will be placed at the location of the discharge and at the post office or grocery store in Cuba, New Mexico providing a synopsis of the public notice.

Thank you for your assistance. If additional information is required please notify me in writing. Please call me at (505) 241-0665 if you have any questions.

Sincerely,

Marcelle Fiedler

Marcelle Fiedler
Senior Environmental Scientst
Attachment: Location maps
Cc: ESD/DCC

Certification of Compliance with Siting Criteria

I, Jon Jones, Professional Engineer with PNM visited the project site in the field on June 21, 2007 and verified that the stretch of ROW where PNM will spray the hydrostatic test water (0.75 miles north of milepost 43.59 and 0.95 miles south), upon OCD approval, meets the following siting criteria:

- No wells within 1,000 ft
- No watercourses within 200 ft
- No wetlands within 500ft
- No permanent residence, school, hospital, institution or church within 500 ft

Locations were the criteria are not met PNM will not spray water. My observations in the field match the enclosed map showing where PNM plans to spray water.

Jon W Jones Professional Engineer 7-18-07

Signature Title Date

PNM Albuquerque Main Line Uprate Project Timeline 2007

AUGUST

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27 Dry Pigging	28 Chemical Cleaning	29	30	31	

SEPTEMBER

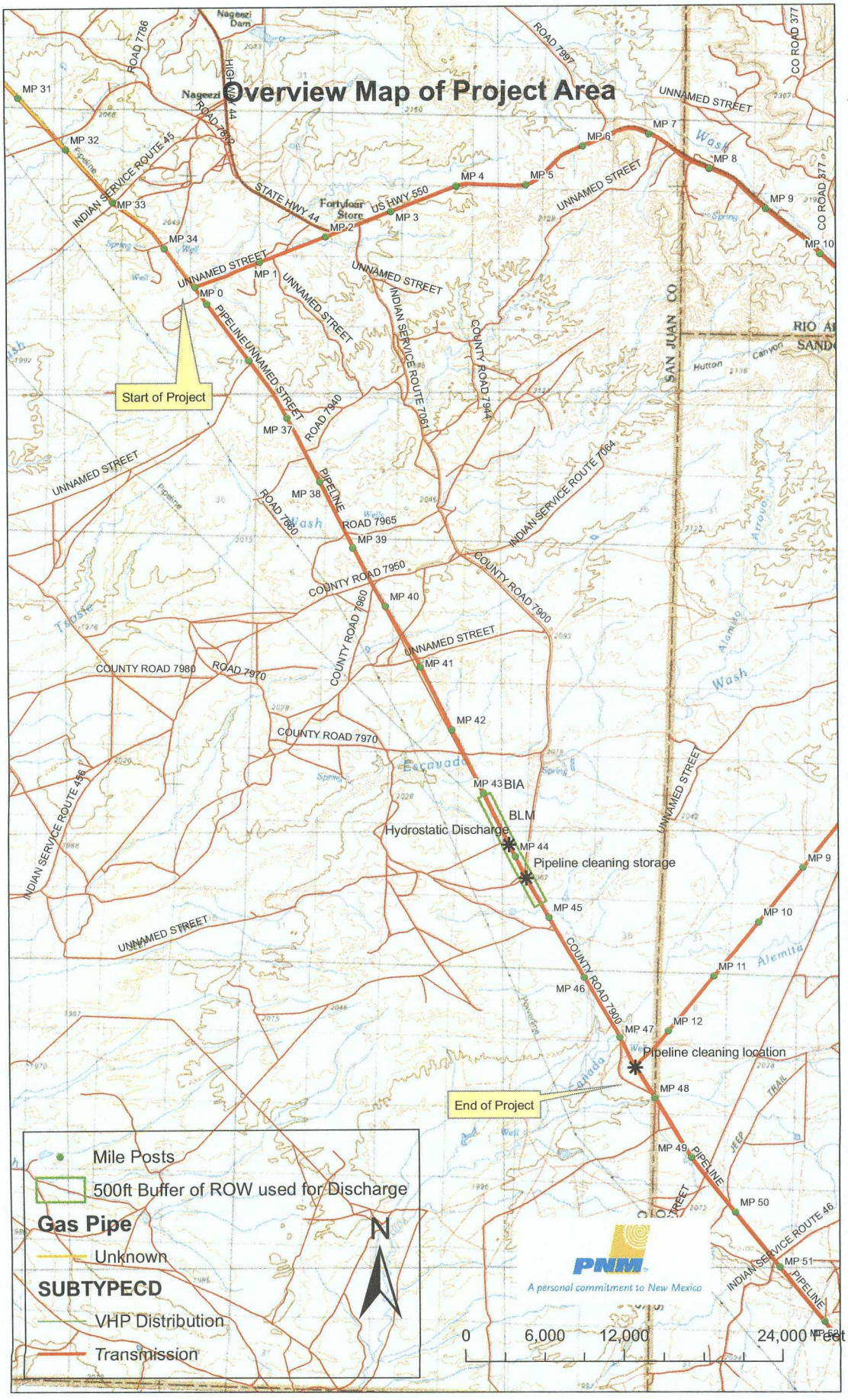
S	M	T	W	T	F	S
						1
2 Hydrostatic	3 Testing	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21 Hydrostatic test water sampling and lab turn around times	22
23	24	25	26	27	28	29
30						

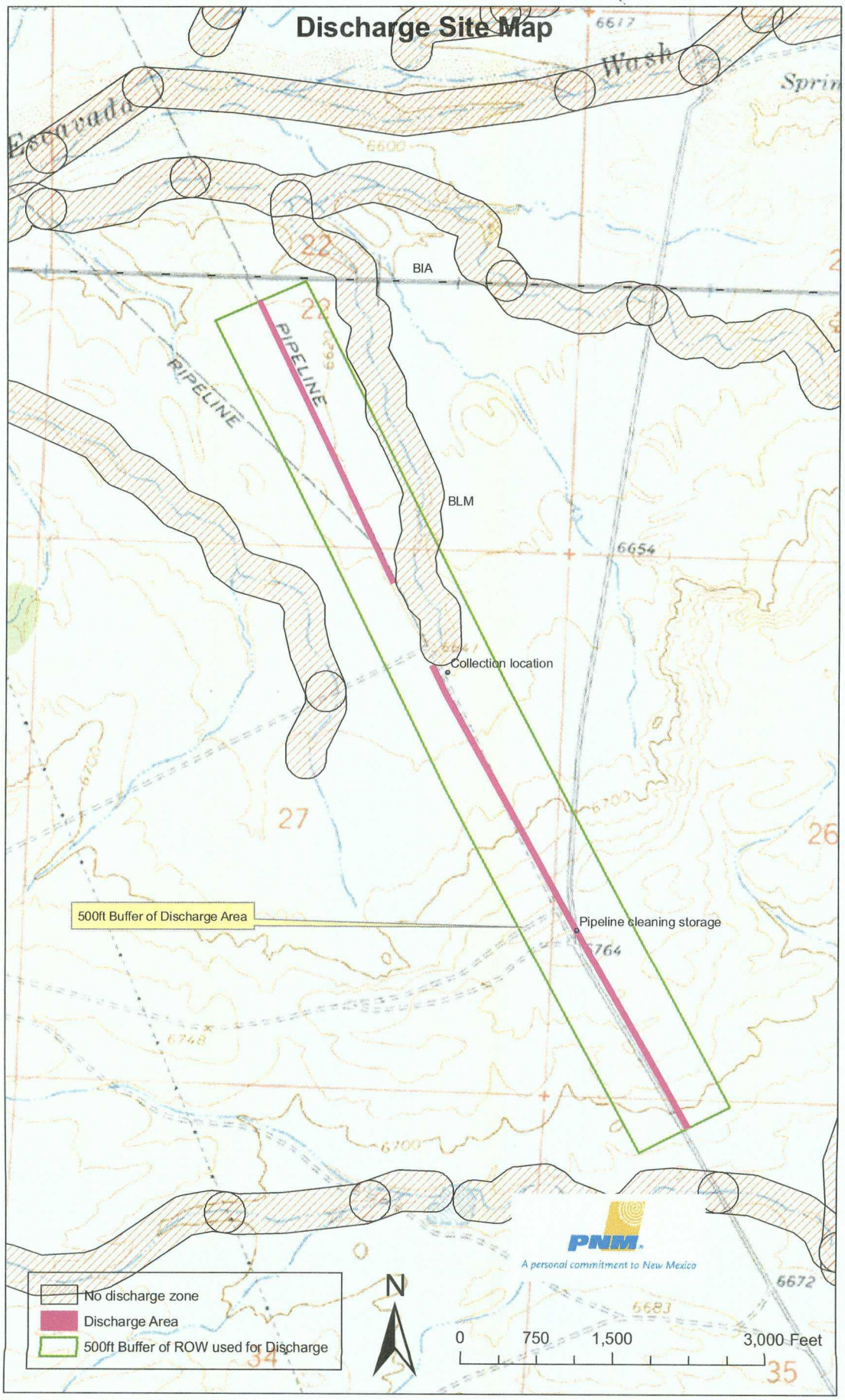
OCTOBER

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9 OCD Approvals for disposition of Hydrostatic Water	10	11	12	13
14	15	16	17	18	19	20
21 Discharge of hydrostatic test water to the PNM ROW and removal of tanks as emptied	22	23	24	25	26	27
28	29	30	31			

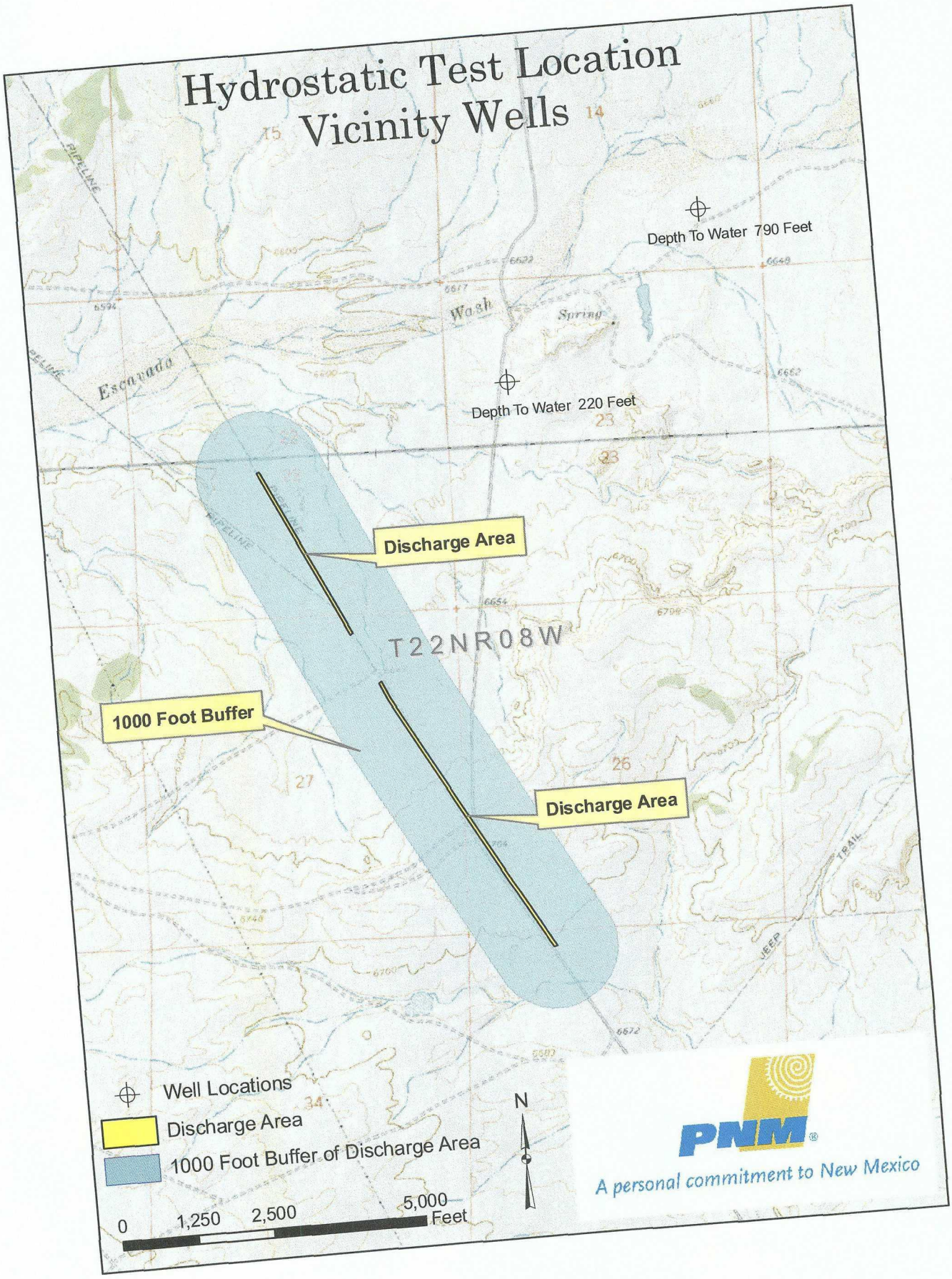
NOVEMBER

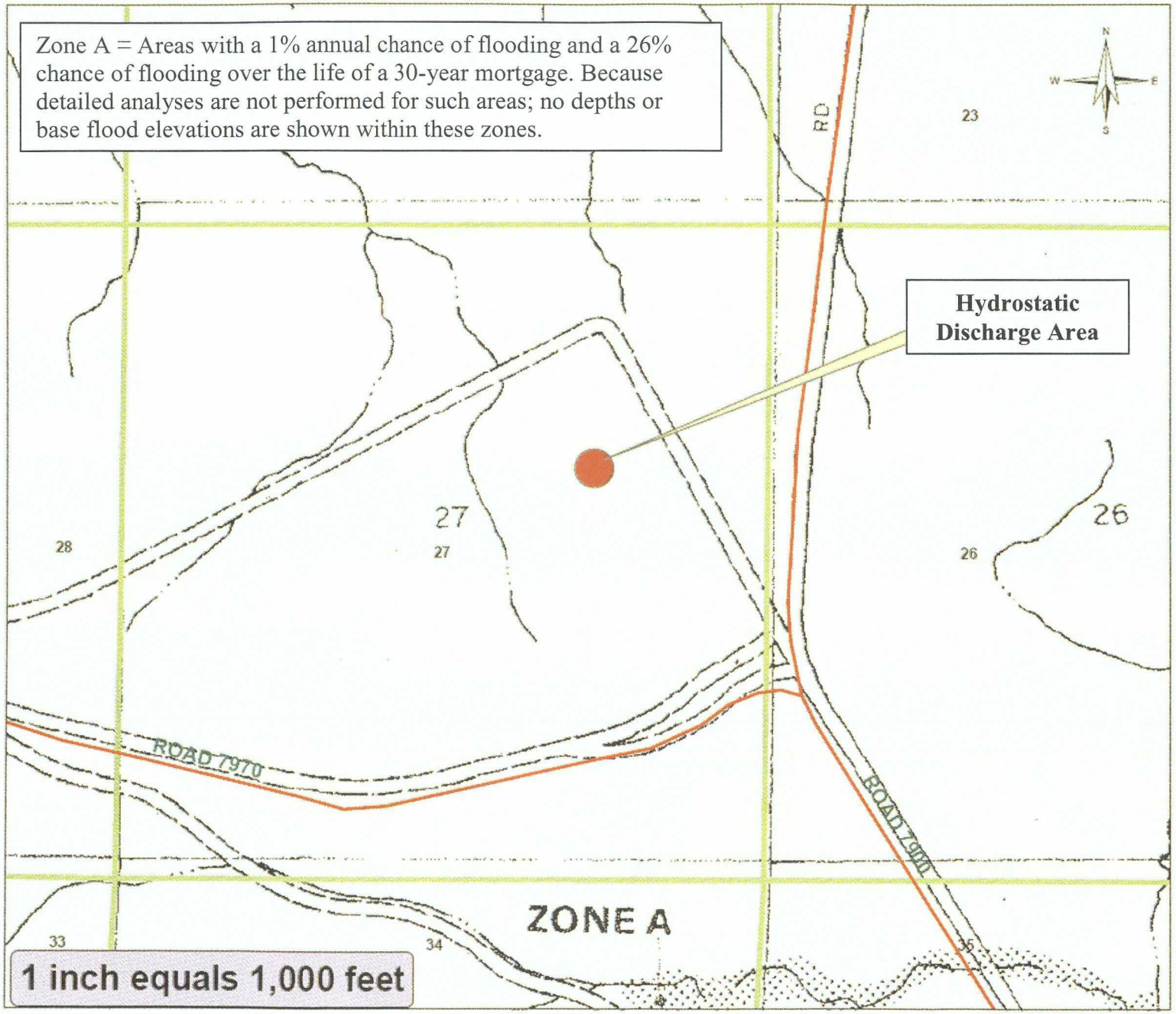
S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	


Overview Map of Project Area
Start of Project
End of Project
Pipeline cleaning location
Pipeline cleaning storage
Hydrostatic Discharge
BLM
BIA
MP 0
MP 1
MP 2
MP 3
MP 4
MP 5
MP 6
MP 7
MP 8
MP 9
MP 10
MP 11
MP 12
MP 31
MP 32
MP 33
MP 34
MP 37
MP 38
MP 39
MP 40
MP 41
MP 42
MP 43
MP 44
MP 45
MP 46
MP 47
MP 48
MP 49
MP 50
MP 51
STATE HWY 44
US HWY 560
Fortyfour Store
ROAD 7786
ROAD 7997
CO ROAD 377
CO ROAD 377
UNNAMED STREET
INDIAN SERVICE ROUTE 45
INDIAN SERVICE ROUTE 7061
INDIAN SERVICE ROUTE 7064
INDIAN SERVICE ROUTE 436
INDIAN SERVICE ROUTE 46
PIPELINE
ROAD 7940
ROAD 7965
ROAD 7960
COUNTY ROAD 7944
COUNTY ROAD 7950
COUNTY ROAD 7960
COUNTY ROAD 7900
COUNTY ROAD 7980
ROAD 7970
SAN JUAN CO
Wash
Canyon
Hutton
Alemita
Escavada
TRAIL
JEEP
Mile Posts
500ft Buffer of ROW used for Discharge
Gas Pipe
Unknown
SUBTYPECD
VHP Distribution
Transmission
N
PNM
A personal commitment to New Mexico
0
6,000
12,000
24,000 Feet


Discharge Site Map
Wash
BIA
PIPELINE
PIPELINE
BLM
Collection location
500ft Buffer of Discharge Area
Pipeline cleaning storage
No discharge zone
Discharge Area
500ft Buffer of ROW used for Discharge
N
PNM
A personal commitment to New Mexico
0
750
1,500
3,000 Feet


Discharge Site Map
Aerials
BIA
BLM
Collection location
Pipeline cleaning storage
500ft Buffer of Discharge Area
No discharge zone
Discharge Area
500ft Buffer of ROW used for Discharge
N
0
750
1,500
3,000 Feet
PNM
A personal commitment to New Mexico


Hydrostatic Test Location
Vicinity Wells
Depth To Water 790 Feet
Depth To Water 220 Feet
Discharge Area
T22NR08W
1000 Foot Buffer
Discharge Area
Well Locations
Discharge Area
1000 Foot Buffer of Discharge Area
0
1,250
2,500
5,000
Feet
N
PNM
A personal commitment to New Mexico



SAN JUAN COUNTY
FLOODPLAIN MANAGEMENT
209 S OLIVER, AZTEC NM 87410
505-334-1180

S27 - T22N - R8W
FLOODPLAIN MAP # 3500641275B

Fiedler, Marcelle

From: Moiola, Lloyd, EMNRD [lloyd.moiola@state.nm.us]
Sent: Wednesday, July 18, 2007 10:20 AM
To: Fiedler, Marcelle
Subject: RE: Coal mines

Hi Marcelle,

Your project is within the Bisti coal field, however, based on the records available to the New Mexico Abandoned Mine Land Program I did not find any known mines in sections 22 and 26 in T22N R8W. If you need information for additional project areas please give me a call or send an email and I will be glad to help.

Thanks,

Lloyd Moiola
AML Project Manager
505-476-3429

From: Fiedler, Marcelle [mailto:Marcelle.Fiedler@pnmresources.com]
Sent: Wednesday, July 18, 2007 9:18 AM
To: Moiola, Lloyd, EMNRD
Subject: FW: Coal mines

From: Prescott, Michael
Sent: Thursday, July 12, 2007 10:23 AM
To: Fiedler, Marcelle
Subject: RE: Coal mines

Hi Lloyd,

The scope of our project has changed slightly and I was wondering if you could confirm that there are no recorded mines in the adjacent sections 22 and 26 in T22N R8W as well. Thanks very much for your help!

Michael Prescott
Environmental Construction and Maintenence
PNM Resources, Inc
Office: 505.241.0627
Mobile: 505.385.4927

From: Moiola, Lloyd, EMNRD [mailto:lloyd.moiola@state.nm.us]
Sent: Tuesday, May 01, 2007 11:54 AM
To: Prescott, Michael
Cc: Kretzmann, John, EMNRD; gretchen@gis.nmt.edu
Subject: Coal mines

Michael,

I checked through documents on file with the New Mexico Abandoned Mine Land Program and did not find any known mines in T22N R8W section 27 of the Fire Rock Well quad and T23N R9W section 13 of the Lybrook NW quad. These areas are adjacent to the Bisti coalfield, however, the only mines I could locate are north and west of the sections you mentioned.

Thanks,

Lloyd Moiola
AML Project Manager
505-476-3429

MATERIAL SAFETY DATA SHEET

Lubchem, Inc. 23609 W. Hardy Rd. Spring, TX 77373
Telephone (281) 350-9600
Revision 4/15/00

NFPA CODES	
Health	1
Flammability	0
Reactivity	0
Special	COR

Section I - Product Identification

Product Name: Lubchem IS-1100
Product Type: Pipeline Cleaning Fluid
Formula/CAS No.: Complex Mixture

Section II - Hazardous Ingredients / Identity Information

Hazardous Ingredients	CAS Number	%	Exposure Limits
Sodium Hydroxide	CAS # 1310-73-2	10	2mg/m (ceiling)
Ethylene Glycol Butyl Ether	CAS# 111-76-2	5	TWA/TLV 25ppm

Section III - Physical / Chemical Characteristics

Boiling Point: >210 F
Specific Gravity (H2O = 1): 0.987
Vapor Pressure (mm Hg.): .006@20C
Melting Point: N/A
Vapor Density (Air =1) >1
Evaporation Rate (Butyl Acetate =1): >1
Solubility in Water: Complete
Appearance/Odor: Amber liquid, characteristic odor
pH: 13

Section IV - Fire and Explosion Hazard Data

Flash Point (PMCC) >212F
Extinguishing Media: N/A
Special Fire Fighting Procedures: Use suitable extinguishing media to control surrounding fire.
Unusual Fire and Explosion Hazards: N/A

Section V - Reactivity Data

Stability: Material is stable
Conditions to Avoid: N/D
Incompatibility (materials to avoid): Amphoteric metals (zinc, aluminum, copper and brass), bleaching agents, oxidizers, organic acids, organic nitrogen compounds,
Hazardous Decomposition Products: Fumes of metal oxides.
Hazardous Polymerization: Will not occur

Section VI - Health Hazard Data

Health Hazards (Chronic): N/D
Signs and Symptoms of Over Exposure
Eyes: Eye contact with product may cause severe irritation, burns, irreversible damage, and blindness.
Inhalation: Inhalation of mist may cause irritation, nausea, headache, and pain, decreased breathing capacity, tissue destruction.
Ingestion: may cause severe irritation, burns, tissue ululceration, and gastrointestinal damage.
Skin: contact may cause burns, tissue destruction, skin damage, effects may be delayed.
Medical Conditions Generally Aggravated by Exposure: Over exposure may aggravate disorders of the blood circulatory system, lungs - respiratory system.
Emergency and First Aid Procedures:
Eyes: Flush eyes with water for 15 minutes while lifting upper and lower eyelids and consult physician immediately.
Inhalation: Remove to fresh air, if not breathing give artificial respiration, if breathing is difficult give oxygen. Contact physician immediately.

Ingestion: Do not induce vomiting. Rinse mouth with water. Dilute stomach contents by drinking large quantities of water. Do not induce vomiting, ilf vomiting occurs spontaneously keep head below hips to prevent breathing vomit into lungs. Call physician immediately.
Skin: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing. Call a physician.

Section VII – Environmental Protection:

Steps To Be Taken In Case Material Is Released or Spilled: Contain spill immediately. Prevent entering any waterway by diking. Absorb with inert absorbent material (sand, clay, dirt, absorbent). Large spills should be diked and picked up with vacuum pumps, shovels, buckets or other means and placed in suitable containers.
Waste Disposal Method: Comply with all governmental regulations.

Section VIII – Special Precautions:

Precautions To Be Taken In Handling and Storage: Do not store containers in direct sunlight, keep containers away from excessive heat.
Other Precautions: Avoid contact with skin and eyes. Use good housekeeping practices and clean up spills promptly. Eye wash and safety shower should be in close proximity.

Section IX - Control Measures:

Respiratory Protection: If exposure to mist may occur use a NIOSH respirator approved for your conditions of exposure.
Ventilation - Local Exhaust: Acceptable
Eye Protection: Chemical splash goggles with full-face shield recommended.
Protective Gloves: Rubber or neoprene.
Other Protective Clothing or Equipment: Chemical resistant clothing, rubber apron and rubber boots.
Work / Hygienic Practices: Safety shower and eye wash fountain.

Section X – Transportation Data

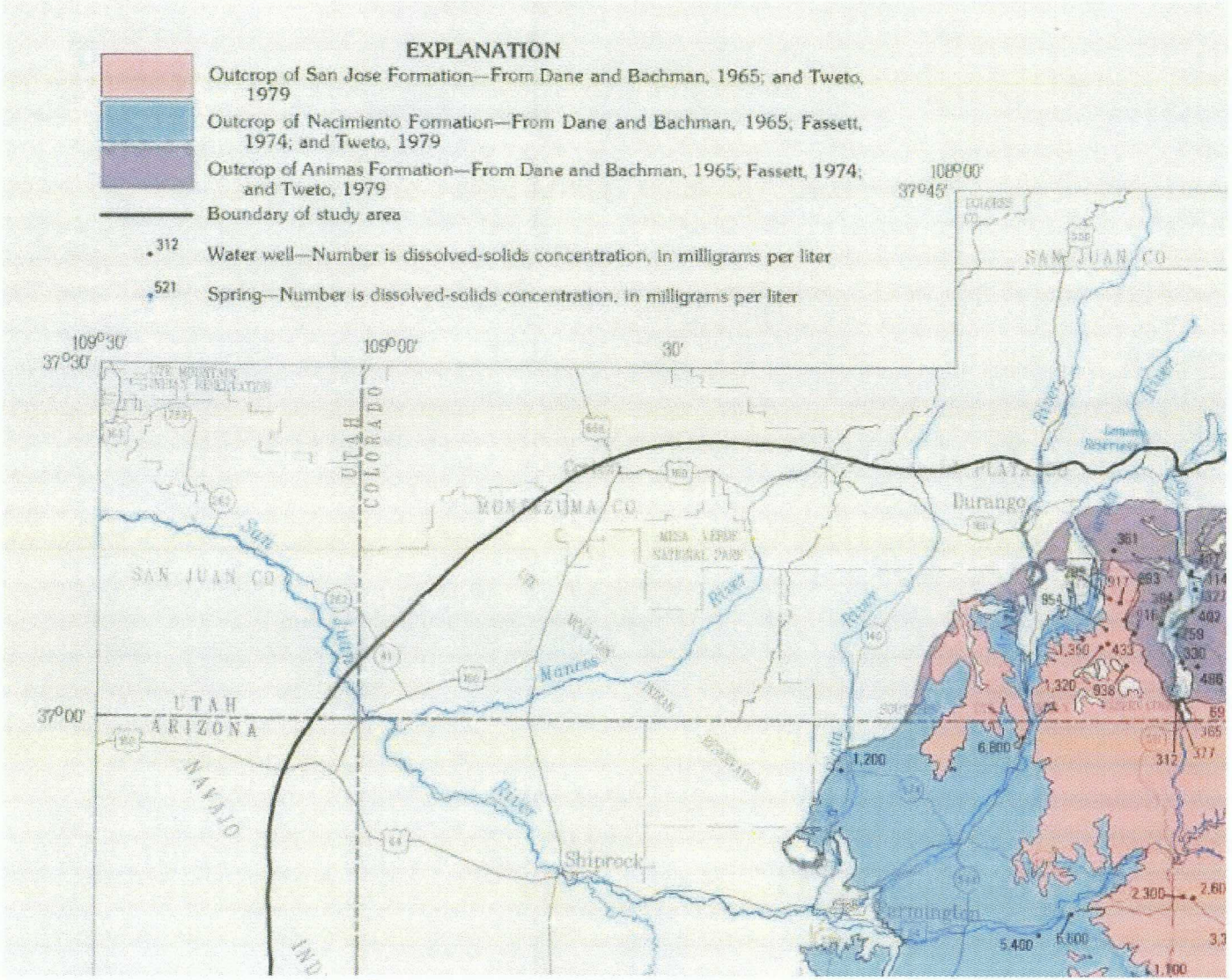
DOT Proper Shipping Name: Corrosive Liquid, n.o.s. (contains Sodium Hydroxide), 8, UN1760, PG III
Label Requirements: Corrosive

Section XI – Regulatory Information

All ingredients are listed on the TSCA inventory

This document is prepared pursuant to the OSHA Hazard Communication Standard (29CFR1910.1200). The information herein is given in good faith, but no warranty, express or implied, is made. Consult Lubchem, Inc. For further information: 281-350-9600.

Abbreviations: N/A: Not Applicable N/D: Not Determined



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Filename
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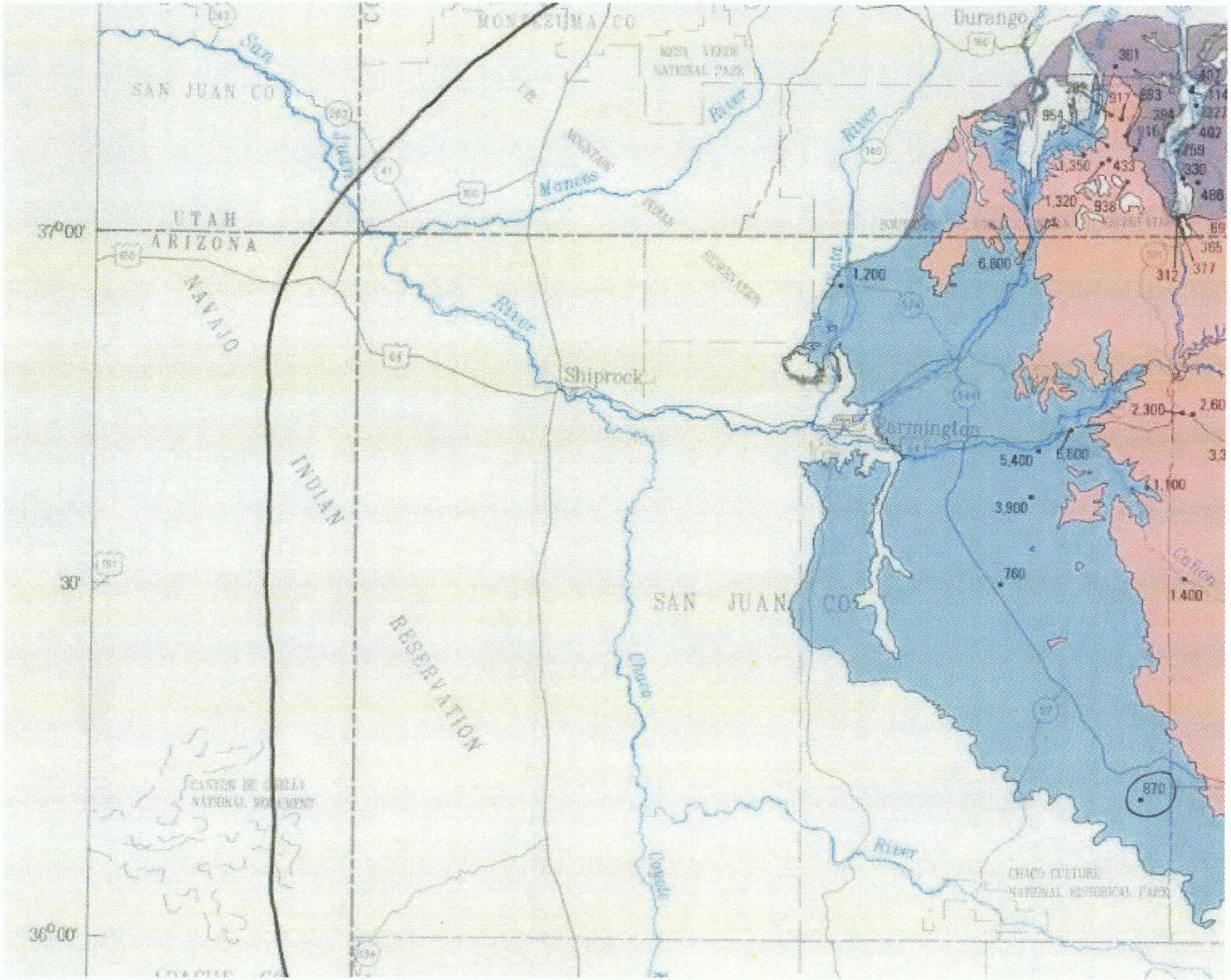

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Filename
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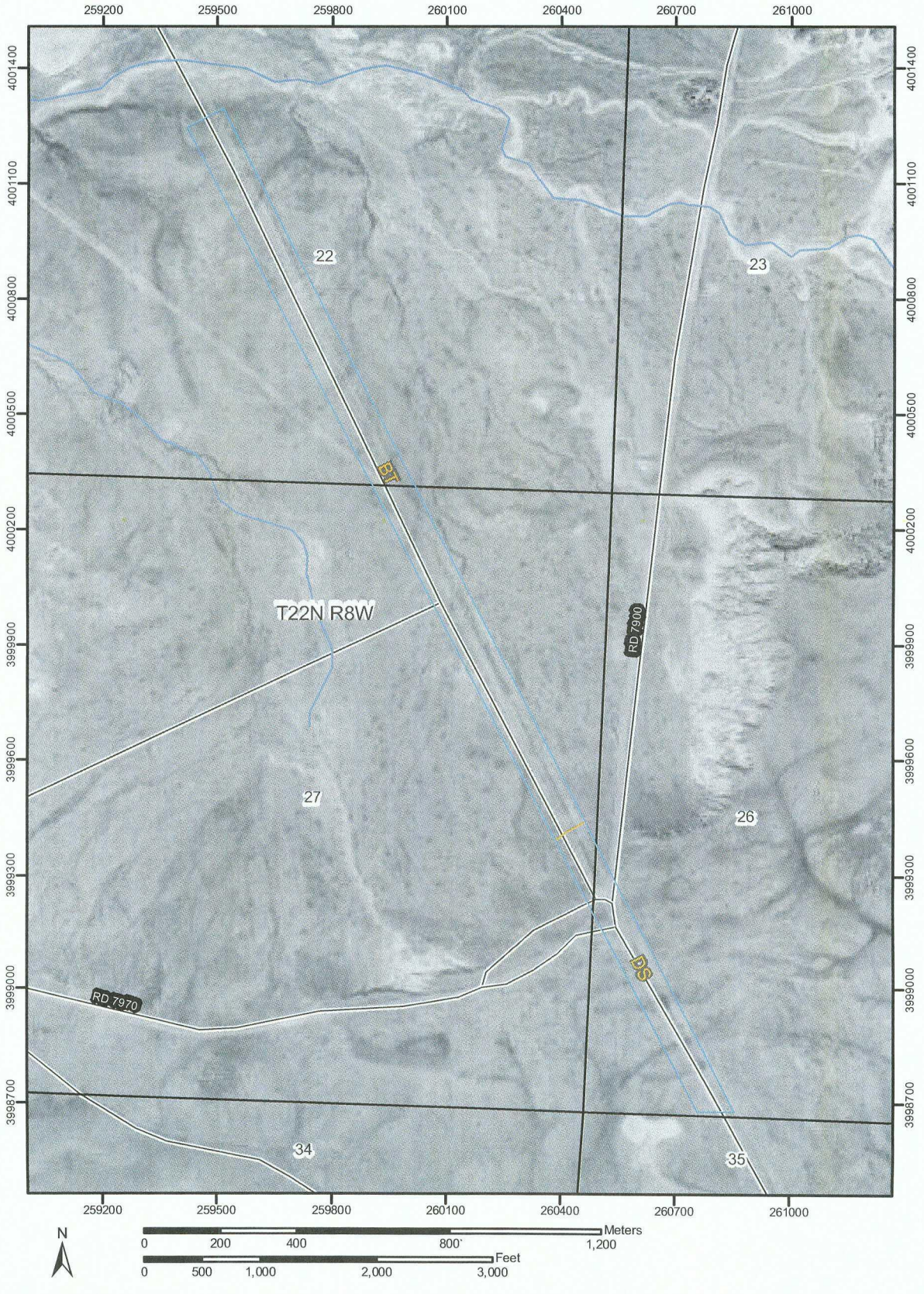
Soil Map–San Juan County, New Mexico, Eastern Part
(Soil map)



MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Units

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other

Special Line Features
- Gully
- Short Steep Slope
- Other

Political Features

Public Land Survey
- Township and Range
- Section

Municipalities
- Cities
- Urban Areas

Water Features
- Oceans
- Streams and Canals

Transportation
- Rails

Roads
- Interstate Highways
- US Routes
- State Highways
- Local Roads
- Other Roads

MAP INFORMATION

Original soil survey map sheets were prepared at publication scale. Viewing scale and printing scale, however, may vary from the original. Please rely on the bar scale on each map sheet for proper map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov
Coordinate System: UTM Zone 13N

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: San Juan County, New Mexico, Eastern Part
Survey Area Data: Version 6, Jan 13, 2007

Date(s) aerial images were photographed: 10/13/1997

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

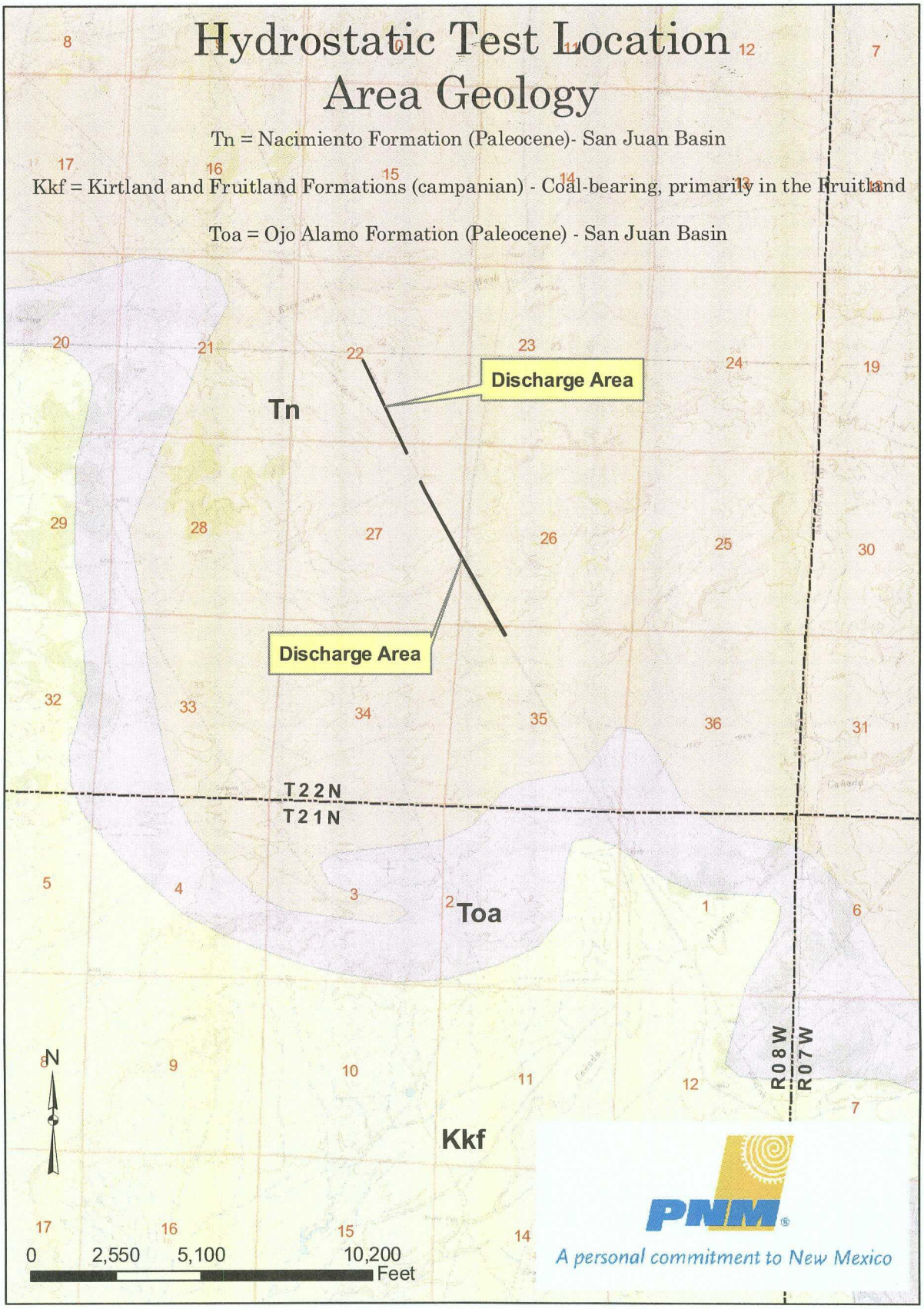
San Juan County, New Mexico, Eastern Part (NM618)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BT	Blancot-Notal association, gently sloping	51.0	73.8%
DS	Doak-Sheppard-Shiprock association, rolling	18.1	26.2%
Totals for Area of Interest (AOI)		69.0	100.0%

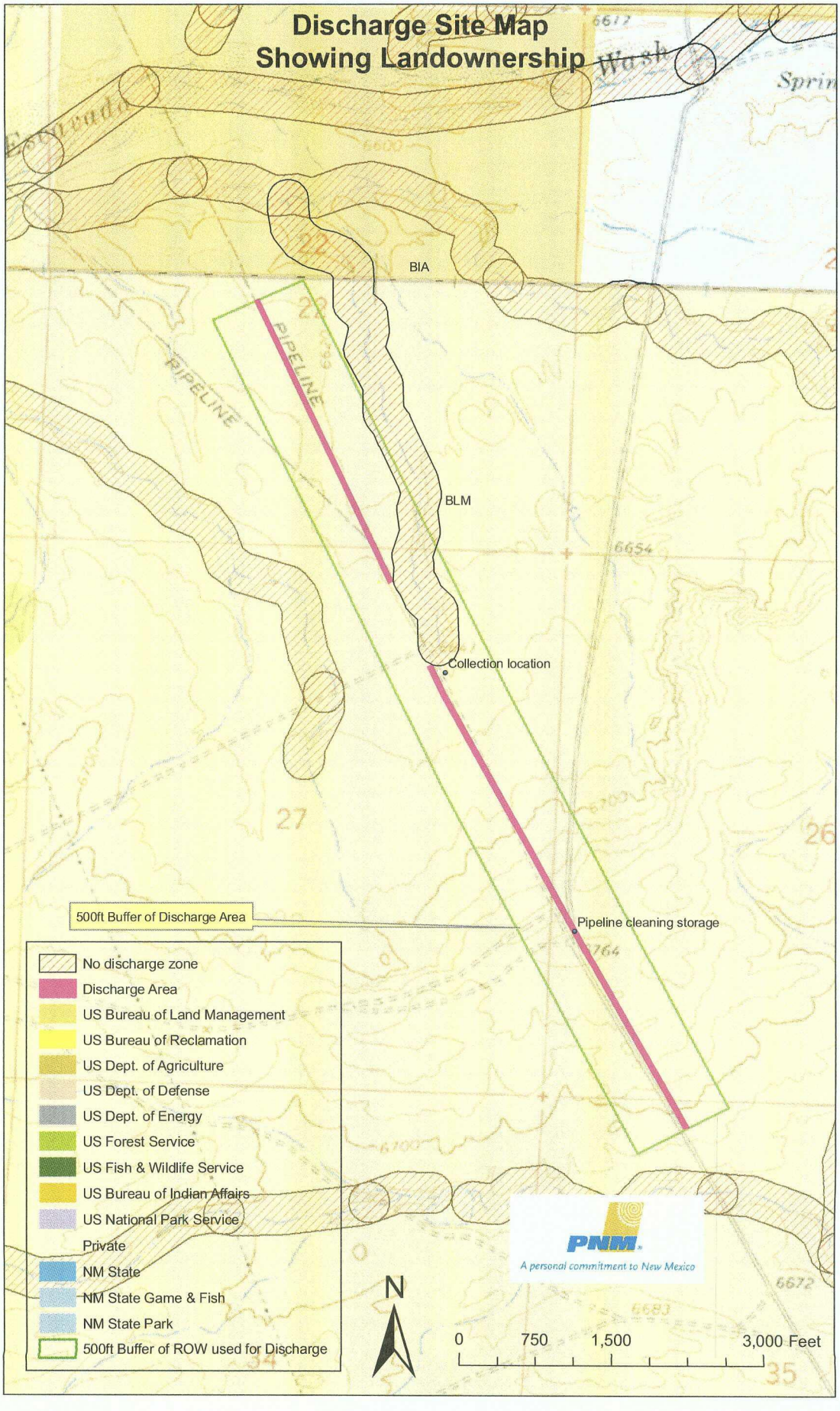
Hydrostatic Test Location Area Geology

Tn = Nacimiento Formation (Paleocene)- San Juan Basin

Kkf = Kirtland and Fruitland Formations (campanian) - Coal-bearing, primarily in the Fruitland

Toa = Ojo Alamo Formation (Paleocene) - San Juan Basin




Discharge Site Map
Showing Landownership
BIA
BLM
PIPELINE
RIPELINE
Collection location
Pipeline cleaning storage
500ft Buffer of Discharge Area
No discharge zone
Discharge Area
US Bureau of Land Management
US Bureau of Reclamation
US Dept. of Agriculture
US Dept. of Defense
US Dept. of Energy
US Forest Service
US Fish & Wildlife Service
US Bureau of Indian Affairs
US National Park Service
Private
NM State
NM State Game & Fish
NM State Park
500ft Buffer of ROW used for Discharge
PNM
A personal commitment to New Mexico
N
0
750
1,500
3,000 Feet

PNM Resources
Alvarado Square
Albuquerque, NM 87158-2104
www.pnmresources.com
505.241.2031
Fax: 505.241.2376

PNM Resources

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

July 18, 2007

Brad Jones
State of New Mexico - Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

RE: PNM Albuquerque Mainline Pressure Test
Request for Individual Permit to Hydrostatically Test and Discharge

Dear Mr. Jones,

In response to your July 12, 2007 letter regarding PNM's Notice of Intent to hydrostatically test the Albuquerque Mainline, PNM is providing the following additional information and comments. Under each section where OCD had comments PNM has provided a response or made the requested edits.

Location and legal description of discharge:

OCD: Please modify the first sentence of the second paragraph to clarify that PNM will test the wastewater generated from hydrostatic test to determine if discharging along the right-of way is viable.

PNM:
The test water will be collected at Dugan Big Band Interconnect, milepost 43.59, within Section 27 T22N R8W. This location can be found by turning south from State Highway 550 onto Indian Service Route/San Juan County Road 7900. After approximately 10 miles, turn west on a dirt road approximately 3,000 feet north of the intersection of Indian Service Road 7900 and the pipeline road. The pipeline is approximately ¼ mile from the turn off.

Once collected, the hydrostatic test water will be tested and if approved by OCD will be discharged within Sections 22,26,27 T22N R8W along the PNM gas pipeline right-of-way (ROW) with a sprayer truck. Water will be sprayed along PNM's 50 foot ROW approximately ¾ mile to the north and south of Dugan Big Band Interconnect, the location where water comes out of the pipe. Enclosed is a map showing the location along the ROW where water will be sprayed. Areas where water will not be sprayed, because they do not meet the siting criteria, are also shown.

Demonstration of compliance with siting criteria:

OCD: Please reference or provide a demonstration for *each* siting criteria in this section. Please modify the signed certification statement to specifically identify the area assessed during the visual inspection. Also, please provide a key, legend, or explanation for each map.

PNM:
See attached Discharge Site Map and Certification of Compliance with Siting Criteria completed by the PNM Project Manager. As noted above, areas along the discharge route which do not conform to the siting criteria (e.g.) will be avoided. This will be accomplished through contractor training and flagging/signs along the ROW.

Compliance with OCD's siting criteria are met because:

1. Hydrostatic test water will not be discharged within 200 feet of any watercourse (see Discharge site map)
2. The nearest well is more than 4000 ft away from the discharge site and the discharge area is not within the 100 year floodplain (see Vicinity well and FEMA Flood plain maps)
3. There are no wetlands within 500 ft (see Discharge site map)
4. PNM contacted the NM Bureau of Mines and Minerals about subsurface mines and email verification was submitted to PNM that there are no mines in the area. (see attached email from Bureau of Mines)
5. There are no residences, schools, hospitals, or churches within 500 feet (see Discharge site map)

Description of activities:

OCD: Please provide an approximate total volume for waste generated from the chemical cleaning. Also, please provide a MSDS for the cleaning agent.

PNM:
An MSDS is enclosed.

The Albuquerque Mainline will be hydrostatically tested in three sections using approximately 399,000 gallons of water from a Bloomfield municipal source. Each section will be tested for a minimum of 8 hours.

Prior to hydrostatic testing, the pipeline will be dry pigged followed by chemical cleaning. The MSDS for the proposed cleaning agent is attached. Four to six chemical cleaning runs are anticipated in order to achieve desired pipe conditions. For each run, 200 gallons of cleaning agent will be mixed with 1800 gallons of water for an estimated total of 8,000 to12,000 gallons of chemical cleaning fluids.

PNM intends to have all tanks and water removed from the site within 91 days of the start of the dry pigging. We anticipate this date to be approximately November

23rd, assuming a start date of August 27, 2007. Enclosed is a project timeline showing estimated start and end dates of the hydrostatic test activities.

Method and location for collection and retention of fluids and solids:

OCD: Please specify the capacity and number of tanker trucks that are proposed for collection and temporary storage of the dry pigging waste.

PNM:

Dry Pigging

Wastes will be collected in a 60 barrel tanker and transferred to a 3,000 gallon plastic tank (the tank dimensions are 8 feet in diameter and 8 feet tall) at the intersection of County Roads 7970 and 7900 for storage prior to disposal. Hay bales and a plastic liner will be installed around the tank for secondary containment that will be sufficient to hold one and a third the tanks capacity. PNM will use plastic liner or drip trays under hoses and valves to collect drips and leaks when transferring wastes.

OCD: Please specify the capacity and number of tanker trucks that are proposed for collection and temporary storage of the chemical cleaning waste. Also, please specify if the same tanker truck(s) will be utilized for the collection and temporary storage of the chemical cleaning waste and dry pigging waste.

PNM:

Chemical Cleaning

The fluids from each cleaning run will be collected in a 60-barrel tanker truck and transferred to four 3,000 gallon tanks (the tank dimensions are 8 feet in diameter and 8 feet tall) at the intersection of County Roads 7970 and 7900 for storage prior to disposal. Hay bales and a plastic liner will be installed around the tank for secondary containment that will be sufficient to hold one and a third the tanks capacity. PNM will use plastic liner or drip trays under hoses and valves to collect drips and leaks when transferring wastes.

Separate trucks will be used to transport the dry pigging waste and chemical cleaning waste to the storage area. Dry pigging waste and chemical cleaning waste will be stored in separate tankers.

Hydrostatic test water sampling plan:

OCD: It was OCDs understanding that PNM would pull a wastewater sample from the first section of pipeline testing to assess the potential quality of the wastewater. It was also OCDs understanding that PNM would expedite the final laboratory analyses to reduce the storage time of the hydrostatic wastewater. None of the above mentioned agreements are expressed in this section. Please address.

PNM:
During PNM's meeting with the OCD on June 20th, PNM stated that we may pull a water sample from the first section of pipe hydrostatically tested for our own reference. At the meeting, it was agreed that the sampling plan, for the purposes of the discharge permit, would consist of sampling of the first and last storage tanks to receive the hydrostatic test water. No other sampling was going to be required by the OCD as the first and last storage tanks would provide the most accurate and sufficient representation of the test water. Therefore, we think it is inappropriate to include any other sampling which PNM may conduct for its own information.

At the June meeting, PNM agreed to expedite the laboratory analyses to minimize the storage time of the test water in the storage tanks. The calendar we provided with our July 2nd submittal reflects "rush turnaround" for each analysis.

Disposal of fluids and solids:

OCD: Please include the waste acceptance criteria (Paragraph A of Section 15 of 19.15.36 NMAC) for chlorides regarding the landfarming option for the dry pigging waste. Please omit the reference of the paint filter from the chemical cleaning waste testing criteria and list. Based upon the information provided in the submittal, the chemical cleaning waste will primarily consist of liquids.

PNM:
Dry Pigging Waste

A representative sample of the dry pigging waste will be taken from the storage tank. Prior to disposal, the dry pigging waste will be analyzed for the following:

- TPH (418.1)
- TCLP (RCRA 8)
- NORM Testing
- BTEX, MTB, TMB (8021B)
- PCB (8082)
- Reactivity
- Corrosivity
- Ignitability
- Paint Filter (9095A)
- Chlorides

If the dry pigging waste is Non-Hazardous/ Non-RCRA regulated, passes the paint filter test and does not exceed 1,000 ppm for chlorides, it will go to Envirotech Inc. (Farmington, NM) for landfarming. The landfarm will receive an OCD form C-138 certified by the generator before disposal. If it is Hazardous/RCRA regulated, it will go to Clean Harbors Aragonite TSDF (Knolls, Utah) for incineration.

Chemical Cleaning

A representative sample of the chemical cleaning fluids will be taken from the storage tank. Prior to disposal, the chemical cleaning fluids will be analyzed for the following:

- TPH (418.1)
- TCLP (RCRA 8)
- NORM Testing
- BTEX, MTB, TMB (8021B)
- PCB (8082)
- Reactivity
- Corrosivity
- Ignitability
- Chlorides

If the chemical cleaning waste is Non-Hazardous/ Non-RCRA regulated, it will go to Key Energy Services Class 1 Injection Well (Farmington, NM). If it is Hazardous/RCRA regulated, it will go to Clean Harbors Aragonite TSDF (Knolls, Utah) for incineration.

Geological characteristics of subsurface at discharge site:

OCD: Please provide the information regarding the assessment of subsurface mines in the section that demonstrates the siting criteria. Also, please contact the NM Bureau of Mines and Minerals to request an updated assessment of Sections *22, 26* and 27 of Township 22 North, Range 8 West, NMPM.

PNM:
See *Demonstration of Compliance with Siting Criteria* above.

Depth and TDS concentration of ground water most likely to be affected by discharge:

OCD: Please provide the total dissolved solids concentration or concentration range of the ground water most likely to be affected at the proposed site. The current proposal cannot be accepted. Please provide and reference the sources for the information regarding the total dissolved solids concentration or concentration range.

PNM:
According to State Engineer well records, the recorded depth to water from several wells within
T22N R08W Section 23 are 220 feet and 790 feet. Total Dissolved solids from a water well shown on maps from the *USGS Hydrogeology of the San Jose, Nacimiento, and Animas Formations in the San Juan structural basin, New Mexico, Colorado, Arizona and Utah*, is 870 parts per million. (see enclosed maps)

Identification of landowners at and adjacent to discharge site and collection/retention site:

OCD: Please identify the landowner(s) at the proposed discharge and collection/retention sites.

PNM:
A map is provided showing the landownership of the underlying and adjacent property owners from the pipeline ROW discharge location and area where water will be sprayed if it approved by OCD. BIA and BLM are the underlying and adjacent landowners and both have been notified via certified mail about the project and hydrostatic test.

Certification of compliance with siting criteria statement:

OCD: Please modify the signed certification statement to specifically identify the area assessed during the visual inspection.

PNM:
See revised signed Statement.

Maps:

OCD: Please properly identify the area along the right-of-way where the discharge of hydrostatic test wastewater will and will not be allowed to discharge. Also, please provide a key, legend, or explanation for each map.

PNM:
See revised maps.

Sincerely,

Marcelle Fiedler
Environmental Scientist II
Attachment: Location maps
Cc: ESD/DCC

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Mark E. Fesmire, P.E.
Director
Oil Conservation Division

July 12, 2007

Ms. Marcelle Fiedler
Environmental Scientist II
PNM
Alvarado Square
Albuquerque, New Mexico 87158-2104

Re: Notice of Intent to Hydrostatically Test and Discharge
PNM Albuquerque Mainline Pressure Test

Dear Ms. Fiedler:

The New Mexico Oil Conservation Division (OCD) has received the Public Service Company of New Mexico's (PNM) notice of intent (NOI), dated July 2, 2007, to hydrostatically test a portion of the Albuquerque Mainline, a natural gas pipeline that extends from Albuquerque to Bloomfield, New Mexico. The NOI does not provide the sufficient details for the OCD to properly assess and determine whether a permit is required. The following request for additional information is based on the format of the July 2, 2007 submittal.

Location and legal description of discharge:

Please modify the first sentence of the second paragraph to clarify that PNM will test the wastewater generated from hydrostatic test to determine if discharging along the right-of way is viable.

Demonstration of compliance with siting criteria:

Please reference or provide a demonstration for *each* siting criteria in this section. Please modify the signed certification statement to specifically identify the area assessed during the visual inspection. Also, please provide a key, legend, or explanation for each map.

Description of activities:

Please provide an approximate total volume for waste generated from the chemical cleaning. Also, please provide a MSDS for the cleaning agent.

Method and location for collection and retention of fluids and solids:

Please specify the capacity and number of tanker trucks that are proposed for collection and temporary storage of the dry pigging waste.

Please specify the capacity and number of tanker trucks that are proposed for collection and temporary storage of the chemical cleaning waste. Also, please specify if the same tanker truck(s) will be utilized for the collection and temporary storage of the chemical cleaning waste and dry pigging waste.

Hydrostatic test water sampling plan:

It was OCDs understanding that PNM would pull a wastewater sample from the first section of pipeline testing to assess the potential quality of the wastewater. It was also OCDs understanding that

PNM would expedite the final laboratory analyses to reduce the storage time of the hydrostatic wastewater. None of the above mentioned agreements are expressed in this section. Please address.

Disposal of fluids and solids:

Please include the waste acceptance criteria (Paragraph A of Section 15 of 19.15.36 NMAC) for chlorides regarding the landfarming option for the dry pigging waste.

Please omit the reference of the paint filter from the chemical cleaning waste testing criteria and list. Based upon the information provided in the submittal, the chemical cleaning waste will primarily consist of liquids.

Geological characteristics of subsurface at discharge site:

Please provide the information regarding the assessment of subsurface mines in the section that demonstrates the siting criteria. Also, please contact the NM Bureau of Mines and Minerals to request an updated assessment of Sections *22, 26* and 27 of Township 22 North, Range 8 West, NMPM.

Depth and TDS concentration of ground water most likely to be affected by discharge:

Please provide the total dissolved solids concentration or concentration range of the ground water most likely to be affected at the proposed site. The current proposal cannot be accepted. Please provide and reference the sources for the information regarding the total dissolved solids concentration or concentration range.

Identification of landowners at and adjacent to discharge site and collection/retention site:

Please identify the landowner(s) at the proposed discharge and collection/retention sites.

Certification of compliance with siting criteria statement:

Please modify the signed certification statement to specifically identify the area assessed during the visual inspection.

Maps:

Please properly identify the area along the right-of-way where the discharge of hydrostatic test wastewater will and will not be allowed to discharge. Also, please provide a key, legend, or explanation for each map.

If there are any questions regarding this matter, please do not hesitate to contact me at (505) 476-3487 or brad.a.jones@state.nm.us.

Sincerely,

Brad A. Jones
Environmental Engineer

BAJ/baj

cc: OCD District IV Office, Santa Fe, NM

PNM Resources
Alvarado Square
Albuquerque, NM 87158-2104
www.pnmresources.com
505.241.2031
Fax: 505.241.2376

PNM Resources

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

July 2, 2007

Brad Jones
State of New Mexico - Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

RECEIVED
2007 JUL 5 PM 1 55

RE: PNM Albuquerque Mainline Pressure Test
Request for Individual Permit to Hydrostatically Test and Discharge

Dear Mr. Jones,

In April 2007, Public Service Company of New Mexico (PNM) submitted a request for an individual permit to hydrostatically test and discharge for the Albuquerque Mainline project. PNM would like to rescind the original application and reapply with this request.

Summary of Activities

PNM will hydrostatically test a portion of the Albuquerque Mainline, a gas pipeline that extends from Albuquerque to Bloomfield in San Juan County, New Mexico. The 12.8 miles of 20-inch pipe will be hydrostatically tested using approximately 399,000 gallons of water from a Bloomfield municipal source. Most of the pipeline segment is used pipe. The pipeline will be cleaned prior to testing.

Name and Address of Discharger

PNM
Marcelle Fiedler
Alvarado Square MS2104
Albuquerque, NM 87158

Location and Legal Description of Discharge

The test water will be collected at Dugan Big Band Interconnect, milepost 43.59, within Section 27 T22N R8W. This location can be found by turning south from State Highway 550 onto Indian Service Route/San Juan County Road 7900. After approximately 10 miles, turn west on a dirt road approximately 3,000 feet north of the intersection of Indian Service Road 7900 and the pipeline road. The pipeline is approximately ¼ mile from the turn off.

Once collected, the hydrostatic test water will be discharged within Sections 22,26,27 T22N R8W along the PNM gas pipeline right-of-way (ROW) with a sprayer truck. Water will be sprayed along PNM's 50 foot ROW approximately ¾ mile to the north and south of Dugan Big Band Interconnect, the location where water comes out of the pipe. Enclosed is a map showing

the location along the ROW where water will be sprayed. Areas where water will not be sprayed, because they do not meet the siting criteria, are also shown.

Maps

The following maps are included with this permit application.

- Overview of project area (topo map)
- Discharge site (topo and aerial map)
- Well and depth to ground water
- Floodplain map
- Geology of area
- Soils
- Land Ownership map

Demonstration of Compliance with Siting Criteria

See attached Discharge Site Map and Certification of Compliance with Siting Criteria completed by the PNM Project Manager. As noted above, areas along the discharge route which do not conform to the siting criteria (e.g. waterways) will be avoided. This will be accomplished through contractor training and flagging/signs along the ROW.

Description of Activities

The Albuquerque Mainline will be hydrostatically tested in three sections using approximately 399,000 gallons of water from a Bloomfield municipal source. Each section will be tested for a minimum of 8 hours.

Prior to hydrostatic testing, the pipeline will be dry pigged followed by chemical cleaning. The MSDS for the proposed cleaning agent is attached. Four to six chemical cleaning runs are anticipated in order to achieve desired pipe conditions. For each run, 200 gallons of cleaning agent will be mixed with 1800 gallons of water.

PNM intends to have all tanks and water removed from the site within 91 days of the start of the dry pigging. We anticipate this date to be approximately November 23rd, assuming a start date of August 27, 2007. Enclosed is a project timeline showing estimated start and end dates of the hydrostatic test activities.

Method & Location for Collection and Retention of Fluids & Solids

Hydrostatic Test

Twenty 20,000 gallon mobile tanks will be used to contain the test water prior to discharge. The test water will be transferred from the pipe into the tanks by connecting a hose from the pipe directly to the tanks. When filling, the tanks will be interconnected. When a tank has been filled, valves will be closed/disconnected to isolate the filled tank. PNM will use plastic liner or drip trays under hoses and valves to collect drips and leaks when transferring water. PNM will conduct daily inspections of each tank containing test water.

Dry Pigging

Wastes will be collected in a tanker truck and transferred to a tank at the intersection of County Roads 7970 and 7900 for storage prior to disposal. Hay bales and a plastic liner will be installed around the tank for secondary containment that will be sufficient to hold one and a third the tanks capacity. PNM will use plastic liner or drip trays under hoses and valves to collect drips and leaks when transferring wastes.

Chemical Cleaning

The fluids from each cleaning run will be collected in a tanker truck and transferred to a tank at the intersection of County Roads 7970 and 7900 for storage prior to disposal. Hay bales and a plastic liner will be installed around the tank for secondary containment that will be sufficient to hold one and a third the tanks capacity. PNM will use plastic liner or drip trays under hoses and valves to collect drips and leaks when transferring wastes.

BMPs to Contain Discharge On Site & Control Erosion

Water will be sprayed onto the ROW in a controlled rate so that erosion does not occur. Water will not be sprayed on days when wind will carry the water off the ROW.

Request for Alternate Treatment/Disposal

If the hydrostatic test water does not meet conditions for discharge to the ROW, PNM has made arrangements with Key Energy Services for Class I injection well disposal, if the test water meets Key Energy Services disposal criteria.

Hydrostatic Test Water Sampling Plan

Hydrostatic test water samples will be collected from the first and last tank filled. The test water will be analyzed for the constituents identified in NMAC 20.6.2.3103 (A)(B(C). Upon receipt of the analytical results, PNM will submit them to the OCD for approval to discharge.

Disposal of Fluids & Solids

Dry Pigging Waste

A representative sample of the dry pigging waste will be taken from the storage tank. Prior to disposal, the dry pigging waste will be analyzed for the following:

- TPH (418.1)
- TCLP (RCRA 8)
- NORM Testing
- BTEX, MTB, TMB (8021B)
- PCB (8082)
- Reactivity
- Corrosivity
- Ignitability
- Paint Filter (9095A)
- Chlorides

If the dry pigging waste is Non-Hazardous/ Non-RCRA regulated it will go to Envirotech Inc. (Farmington, NM) for landfarming. If it is Hazardous/RCRA regulated, it will go to Clean Harbors Aragonite TSDF (Knolls, Utah) for incineration.

Chemical Cleaning

A representative sample of the chemical cleaning fluids will be taken from the storage tank. Prior to disposal, the chemical cleaning fluids will be analyzed for the following:

- TPH (418.1)
- TCLP (RCRA 8)
- NORM Testing
- BTEX, MTB, TMB (8021B)
- PCB (8082)
- Reactivity
- Corrosivity
- Ignitability
- Paint Filter (9095A)
- Chlorides

If the chemical cleaning waste is Non-Hazardous/ Non-RCRA regulated and passes the paint filter test, it will go to Key Energy Services Class 1 Injection Well (Farmington, NM). If it is Hazardous/RCRA regulated, it will go to Clean Harbors Aragonite TSDF (Knolls, Utah) for incineration.

Expected Quality & Volume of Discharge

The expected volume of the hydrostatic test discharge is approximately 399,000 gallons. Given the extensive pipeline cleaning prior to the test, water quality is expected to be comparable to the quality of the inlet municipal water and will be analyzed to determine if it meets WQCC standards.

Geological Characteristics of Subsurface at Discharge Site

According to the NM Bureau of Mines and Mineral resources geologic map, the project is within the San Juan Basin in the Nacimiento formation. Soils in the area are Blancot-Notal association gently sloping. The Blancot series consists of very deep, well-drained soils that formed in alluvium and fan alluvium from sandstone and shale. They are on valley sides and ridges. Notal series are very deep, well drained soils on stream terraces on valley floors and alluvial fans on valley sides, fan terraces and small depression of undulating plateaus. They formed in alluvium, stream alluvium and fan alluvium from shale, siltstone, and sandstone (NRCS soils data). The NM Bureau of Mines and Mineral geologic map may be found: http://geoinfo.nmt.edu/publications/maps/geologic/state/home.html - Open file geologic maps for the quadrangles were not available. Information about soils was obtained from the NRCS web soil survey website: http://websoilsurvey.nrcs.usda.gov/app/

PNM contacted the NM Bureau of Mines and Minerals about subsurface mines and email verification was submitted to PNM that there are no mines in the area. See enclosed email.

Depth & TDS Concentration of Ground Water Most Likely to be Affected by Discharge

According to State Engineer well records, the recorded depth to water from several wells within

T22N R08W Section 23 are 220 feet and 790 feet. PNM was not able to readily obtain the TDS concentration for ground water in the discharge area. PNM will proceed as if the ground water is less than 10,000 ppm TDS and will seek to discharge test water to the ROW in accordance with NMAC 20.6.2.3103.

ID of Landowners at and Adjacent to Discharge Site and Collection/Retention Site
A map is provided showing the landownership of the adjacent property owners from the pipeline ROW discharge location and area where water will be sprayed if it meets WQCC standards. The adjacent landowners (BIA and BLM) have been notified via certified mail about the project and hydrostatic

Closing
In the event of a release associated with project activities, PNM will comply with OCD's Release Notification and Corrective Action regulation NMAC 19.15.3.116 to remediate the spill as soon as possible.

A check for $100 was submitted with our rescinded application. Therefore, we are not submitting a filing fee with this application. If an additional filing fee is required, please let me know.

Once OCD rules this application as administratively complete, PNM will provide notice of the permit application in the Farmington Daily Times following requirements in NMAC 20.6.2.3108. In addition, a sign will be placed at the location of the discharge and at the post office or grocery store in Cuba, New Mexico providing a synopsis of the public notice.

Thank you for your assistance. If additional information is required please notify me in writing. Please call me at (505) 241-0665 if you have any questions.

Sincerely,

Marcelle Fiedler

Marcelle Fiedler
Environmental Scientist II
Attachment: Location maps
Cc: ESD/DCC

Certification of Compliance with Siting Criteria

I, Jon Jones, Professional Engineer with PNM visited the project site in the field on June 21, 2007 and verified that the stretch of ROW where PNM will spray the hydrostatic test water, upon OCD approval, meets the following siting criteria:

- No wells within 1,000 ft
- No watercourses within 200 ft
- No wetlands within 500ft
- No permanent residence, school, hospital, institution or church within 500 ft

Locations were the criteria are not met PNM will not spray water. My observations in the field match the enclosed map showing where PNM plans to spray water.

Signature	Title	Date
Jon Jones	Professional Engineer	6-28-07

PNM Albuquerque Main Line Uprate Project Timeline 2007

AUGUST

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27 Dry Pigging	28 Chemical Cleaning	29	30	31	

SEPTEMBER

S	M	T	W	T	F	S
						1
2 Hydrostatic	3 Testing	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21 Hydrostatic test water sampling and lab turn around times	22
23	24	25	26	27	28	29
30						

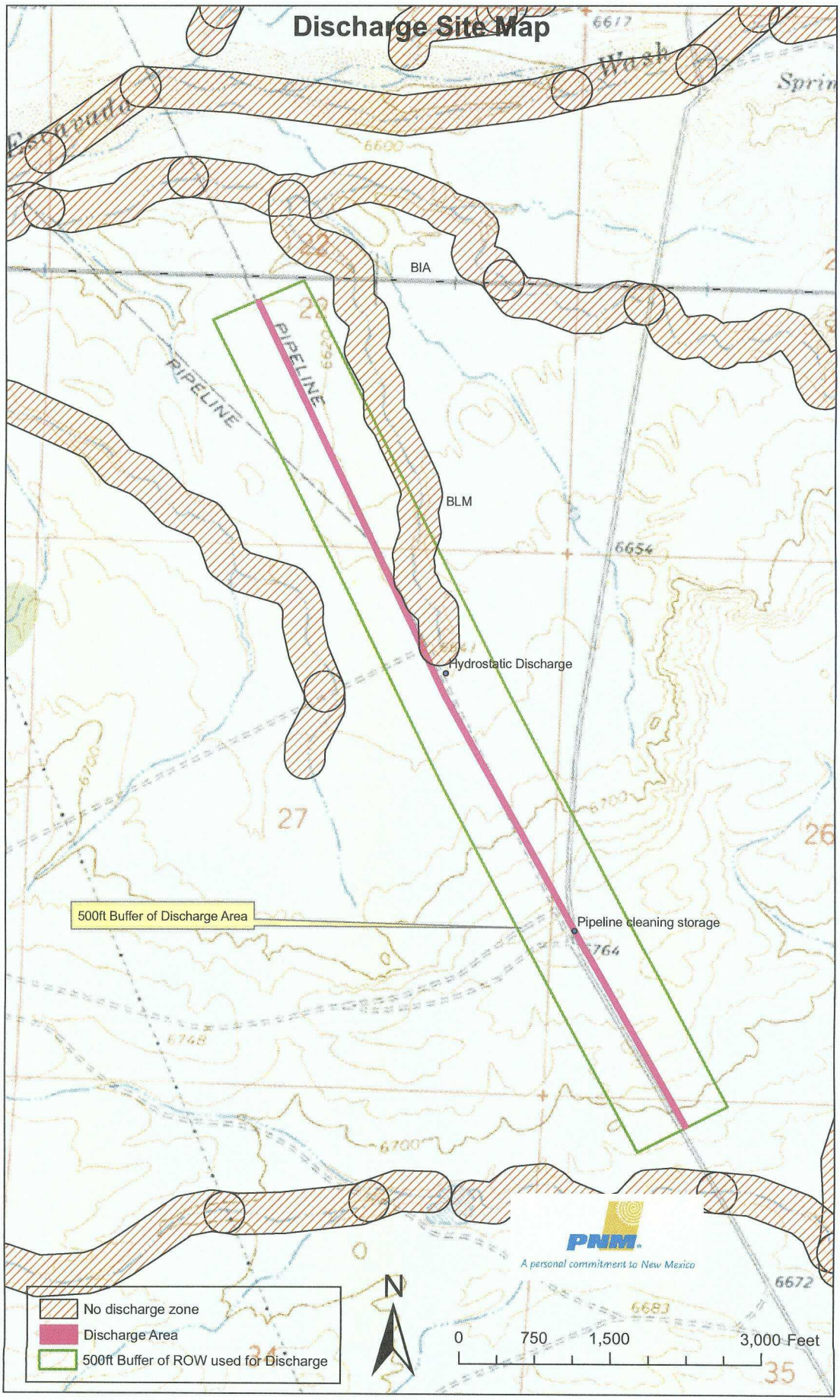
OCTOBER

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9 OCD Approvals for disposition of Hydrostatic Water	10	11	12	13
14	15	16	17	18	19	20
21 Discharge of hydrostatic test water to the PNM ROW and removal of tanks as emptied	22	23	24	25	26	27
28	29	30	31			

NOVEMBER

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

Overview Map of Project Area


Discharge Site Map
Wash
BIA
PIPELINE
PIPELINE
BLM
Hydrostatic Discharge
500ft Buffer of Discharge Area
Pipeline cleaning storage
No discharge zone
Discharge Area
500ft Buffer of ROW used for Discharge
N
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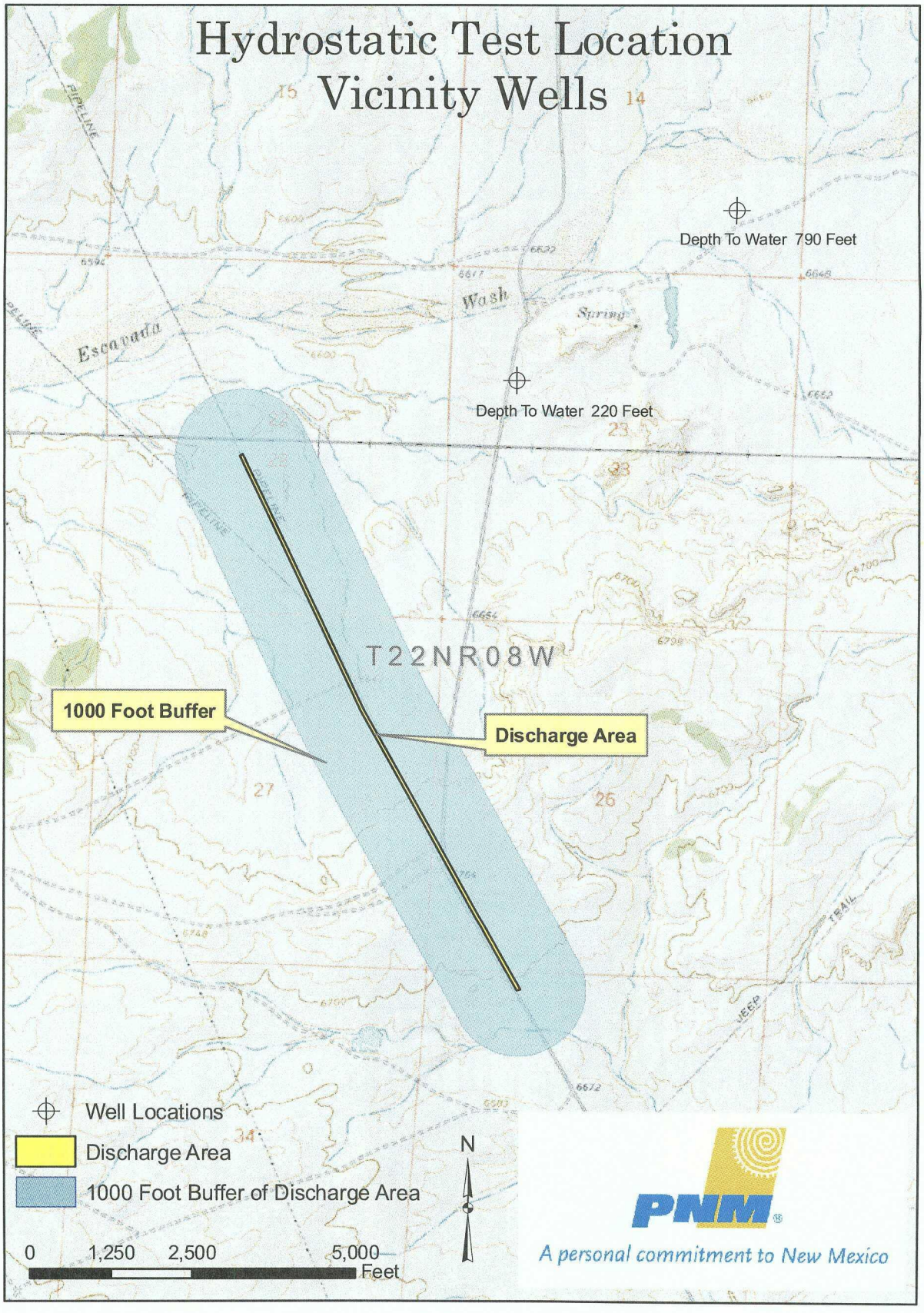
0
750
1,500
3,000 Feet


Hydrostatic Test Location
Vicinity Wells
Depth To Water 790 Feet
Depth To Water 220 Feet
Wash
Spring
Escavada
T22NR08W
1000 Foot Buffer
Discharge Area
Well Locations
Discharge Area
1000 Foot Buffer of Discharge Area
0
1,250
2,500
5,000
Feet
N
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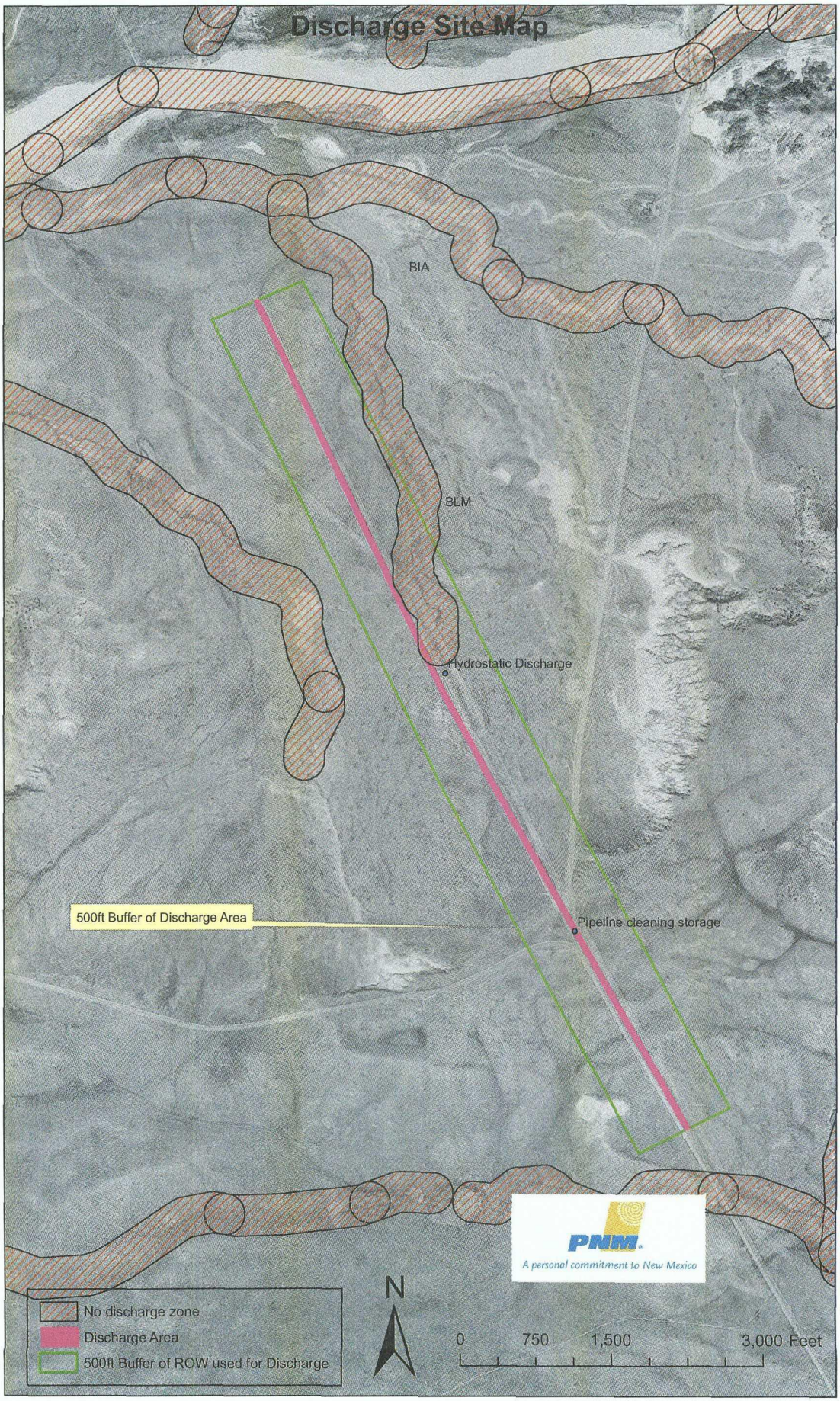
Discharge Site Map
BIA
BLM
Hydrostatic Discharge
500ft Buffer of Discharge Area
Pipeline cleaning storage
PNM
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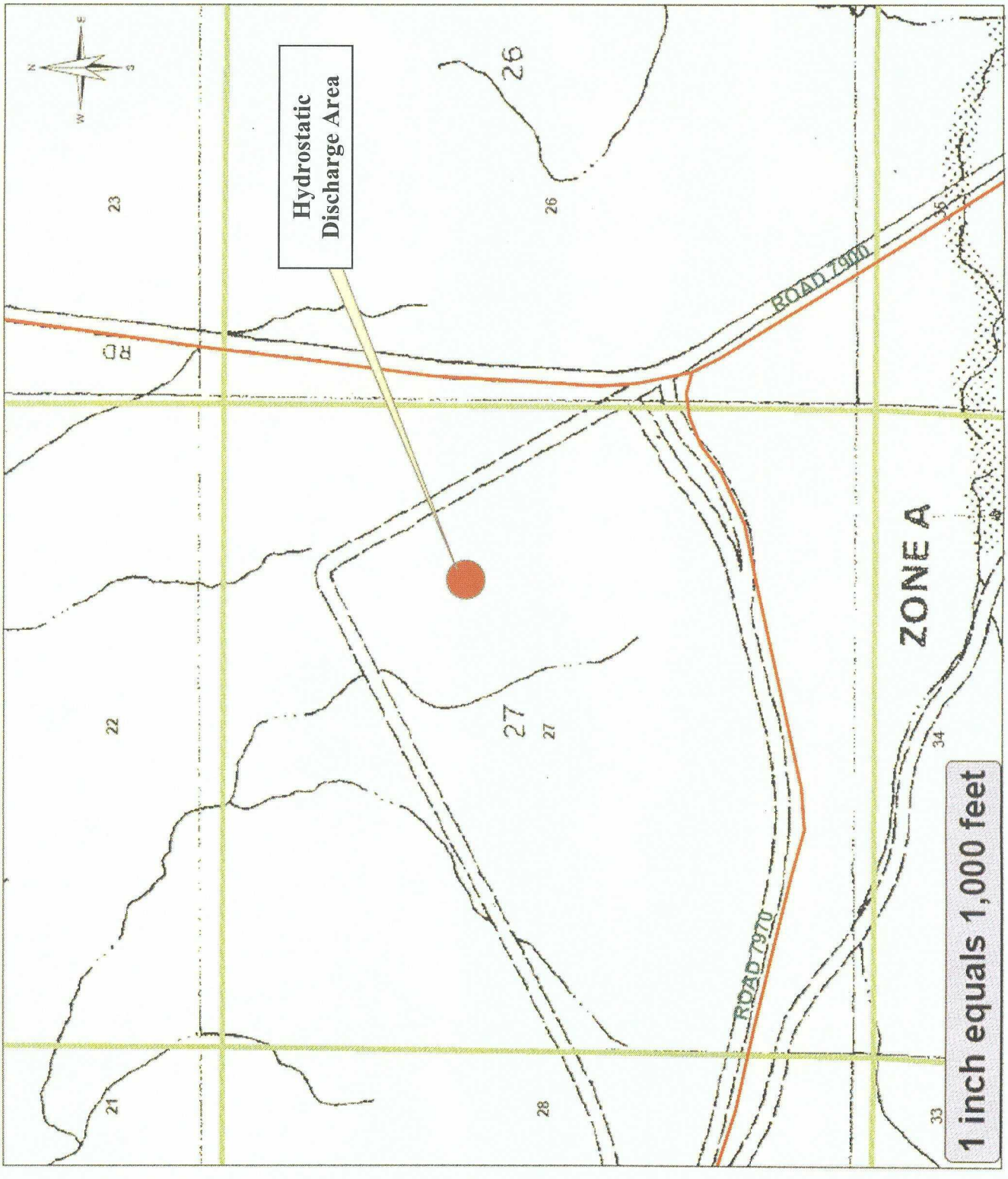
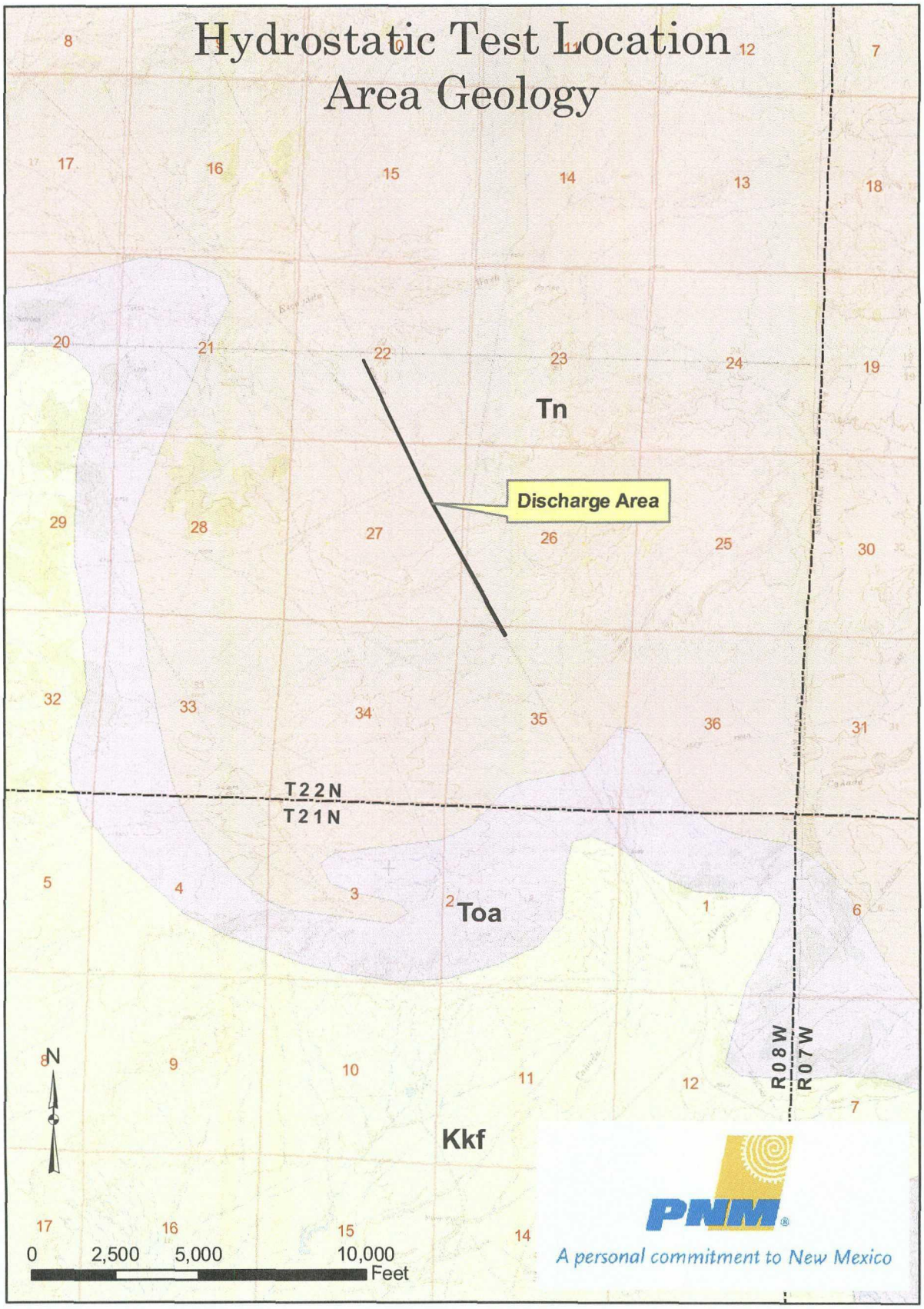
No discharge zone
Discharge Area
500ft Buffer of ROW used for Discharge
N
0
750
1,500
3,000 Feet

SAN JUAN COUNTY
FLOODPLAIN MANAGEMENT
209 S OLIVER, AZTEC NM 87410
505-334-1180

S27 - T22N - R8W
FLOODPLAIN MAP # 3500641275B




Hydrostatic Test Location
Area Geology
Tn
Discharge Area
Toa
Kkf
T22N
T21N
R08W
R07W
N
0
2,500
5,000
10,000
Feet
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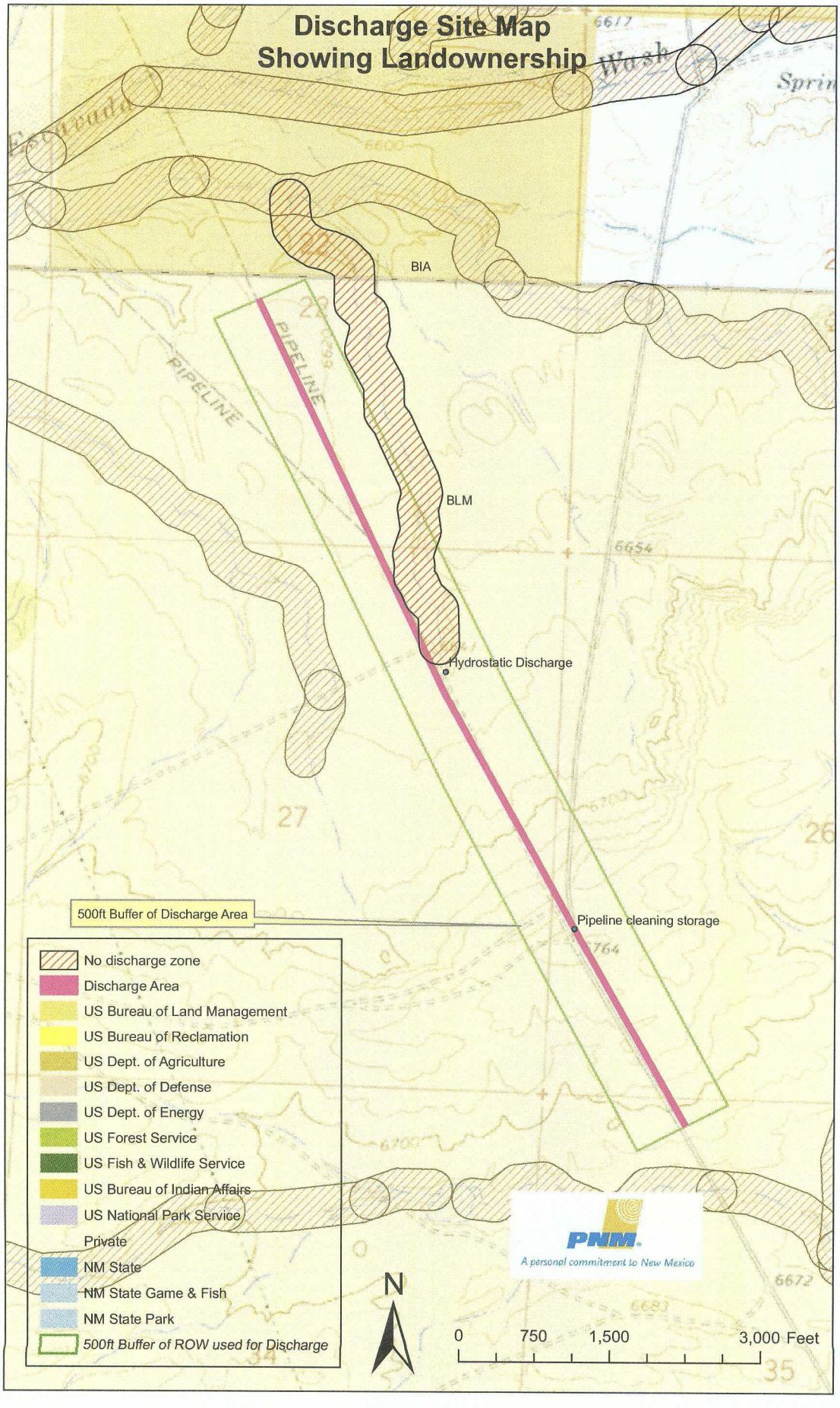
Discharge Site Map
Showing Landownership
BIA
BLM
PIPELINE
PIPELINE
Hydrostatic Discharge
Pipeline cleaning storage
500ft Buffer of Discharge Area
No discharge zone
Discharge Area
US Bureau of Land Management
US Bureau of Reclamation
US Dept. of Agriculture
US Dept. of Defense
US Dept. of Energy
US Forest Service
US Fish & Wildlife Service
US Bureau of Indian Affairs
US National Park Service
Private
NM State
NM State Game & Fish
NM State Park
500ft Buffer of ROW used for Discharge
PNM
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N
0
750
1,500
3,000 Feet

Fiedler, Marcelle

From: Prescott, Michael
Sent: Tuesday, May 01, 2007 12:53 PM
To: Winner, Curtis
Cc: Fiedler, Marcelle
Subject: FW: Coal mines

From: Moiola, Lloyd, EMNRD [mailto:lloyd.moiola@state.nm.us]
Sent: Tuesday, May 01, 2007 11:54 AM
To: Prescott, Michael
Cc: Kretzmann, John, EMNRD; gretchen@gis.nmt.edu
Subject: Coal mines

Michael,

I checked through documents on file with the New Mexico Abandoned Mine Land Program and did not find any known mines in T22N R8W section 27 of the Fire Rock Well quad and T23N R9W section 13 of the Lybrook NW quad. These areas are adjacent to the Bisti coalfield, however, the only mines I could locate are north and west of the sections you mentioned.

Thanks,

Lloyd Moiola
AML Project Manager
505-476-3429

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Nageezi Chapter House
Post Office Box 100
Nageezi, NM 87037

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☑ Addressee

B. Received by (Printed Name) Lucy Sylvestern & | C. Date of Delivery 7-02-07

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

JUL - 2 2007
USPS

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☑ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7006 0810 0005 9137 8900

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

W. Mike Halona
Attention: Howard Drapper
Navajo Nation Land Department
Post Office Box 2249
Window Rock, AZ 86515

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by (Printed Name) Vera Shirley | C. Date of Delivery 7-2-07

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☒ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7006 0810 0005 9137 8931

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

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Alvarado Square
Albuquerque, NM 87158-2104
www.pnmresources.com
505.241.2031
Fax: 505.241.2376

PNM Resources

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

April 26, 2007

Brad Jones
State of New Mexico - Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

RE: PNM Albuquerque Mainline Pressure Test
Amendment to PNM's Request for Individual permit to Hydrostatically Test and Discharge

Dear Mr. Jones,

In response to your April 17, 2007 letter requesting additional information for PNM's NOI for the Albuquerque Mainline pressure test, PNM is providing the following information. Please note the discharge location for Option B has changed from MP 43.3 to MP 43.59.

1. *Location of the proposed discharge options with respect to surrounding landmarks.* Option A discharge site is located at MP 34.7.

A map with driving directions is enclosed titled DOE Take Off. Option B discharge site is located at MP 43.59. A map with driving directions is enclosed titled Dugan Big Band.

2. *Provide site-specific topographical maps to demonstrate discharge site is not within 200 feet of a watercourse or 500 feet of a wetland.*

With our original NOI, we provided an overall map showing the two options for discharging. Now we are including a site-specific map (both topographic and with aerial photography) for both options with a 200 feet and 500 feet buffer around the discharge location. From these maps you can see that there are not waterways or wetlands with the buffers.

3. *Provide a site-specific FEMA map that demonstrates the discharge location is not within a 100-year floodplain.*

A site-specific map for each option is provided showing the floodplain map relative to the discharge locations. These maps were provided by the San Juan County floodplain coordinator.

The expected quality of the waste material generated from the cleaning process will not be known until it can be analyzed. However it is expected to contain compressor oil, lean oil, black power, paraffin and natural gas liquids. The volume is estimated to be about 30 barrels (1260 gallons).

MSDS data sheets for the chemicals that will be used in the cleaning process will not be available until a sample of the liquid in the pipeline can be analyzed. There are different chemicals that can be used based on the analysis of the pipeline liquid. PNM will obtain a sample of the pipeline liquid in late May 2007. MSDS data for any chemicals used will be provided once they are known. As originally stated, PNM has not determined if chemically cleaning will be used. This decision will be based on cost and timing for the project.

8. *Provide operational details and best management practices that will be implemented in the transfer of wastewater from the pipeline to trucks for off-site disposal if water does not satisfy the WQCC standards. If frac tanks are used submit a plan to ensure all aboveground tanks have impermeable secondary containment which will contain a volume at least one-third greater than the total volume of the largest tank or all interconnected tanks.*

Transfer of wastewater (if unable to satisfy the WQCC standards) will be conducted and performed in a manner appropriate to prevent discharge to the ground. BMPs may include the use of spill trays below connections and valves.. In the event frac tanks are needed, site appropriate secondary containment should be determined by the following variables: type of frac tank used, waste water quality, terrain of location, depth and quality of ground water, and inspection frequency and capabilities.

9. *Modify the sampling plan to indicate which parameters will be analyzed.*

Test water will be tested to determine if it meets WQCC standards from 20.6.2.3103. The water sampling plan for Option "A" will involve testing the water at the beginning (MP 34.7), end (MP47.47) and approximately the middle of the one section at an existing above ground isolation block valve (MP 40.8). The water sampling plan for Option "B" will involve testing the water as it is transferred from the second to the last section of pipe (MP 43.59) and a sample from the last test section (MP 47.47).

10. *Provide the total dissolved solids concentration of the ground water most likely to be affected at the discharge locations.*

PNM has exhausted the resources available for TDS. Assume that the ground water is fresh water and no wastewater will be discharged onto the ground unless it meets the WQCC standards in NMAC 20.6.2.3103.

4. *Provide a letter and map from NM Bureau of Mines and Minerals confirming that the discharge location is not overlying a subsurface mine.*

PNM contacted the NM Bureau of Mines and Minerals and they are not aware of any subsurface mines below the discharge locations and were unaware of this requirement, as they had never received a request of this type in the past. We informed them of the source of the request and provided you contact information for them to discuss with you. No written verification was provided.

5. *Provide a site-specific map that illustrates the location of documented or observed wells near the discharge site.*

A map is enclosed showing the discharge location relative to wells in the Office of State Engineers database. The depth to water is shown for the wells in the area. In addition, the project engineer has been on site and verified that there are no wells within 1000 feet of both options. Copies of the well logs are not available.

6. *Provide most recent aerial photography demonstrating that the discharge locations are not within 500 feet from a permanent residence, school, hospital, institution or church.*

A site-specific map with aerial photography of both options with a 500 feet buffer of the discharge location is provided showing that there are no residence, school, hospital, institution or church within 500 feet of the sites. The project engineer has been on site and verified that there are no buildings within 500 feet of both options.

7. *Provide operational details and best management practices in the collection, temporary storage, and disposal of any waste material generated from the chemical cleaning process. Provide a brief description of expected quality and volume of waste material generated from the cleaning process Provide MSDSs for all chemicals used*

Materials generated in the chemical cleaning process will be collected in a manner appropriate to prevent discharge to the ground. Materials will be stored in containers that are impermeable and of sound construction as to hold the contents of the given weight and quantity of material. Disposal of materials will be in accordance with OCD regulations and approvals. Final disposition will be dependant upon the following lab analyses .

- TPH (418.1)
- TCLP (RCRA 8)
- NORM Testing
- BTEX (8020)
- PCB (8082)
- Flammability
- Corrosivity (pH)

11. *Clarify the landowners at and adjacent to each of the proposed discharge sites for both options.*

A map is provided showing the landownership of the adjacent property owners. The nearest property owners are more than 1/3 of a mile away. Adjacent landowners are BIA and BLM. Both will be notified of the project and hydrostatic testing.

12. *All general statements must be supported by a citation of publication and copies of all cited pages provided. Provide references of the sources of information regarding geology.*

Enclosed is the Geologic Map of New Mexico used to determine the geology. This map may also be found: http://geoinfo.nmt.edu/publications/maps/geologic/state/home.html - Open file geologic maps for the quadrangles were not available. Information about soils was obtained from the NRCS web soil survey website: http://websoilsurvey.nrcs.usda.gov/app/

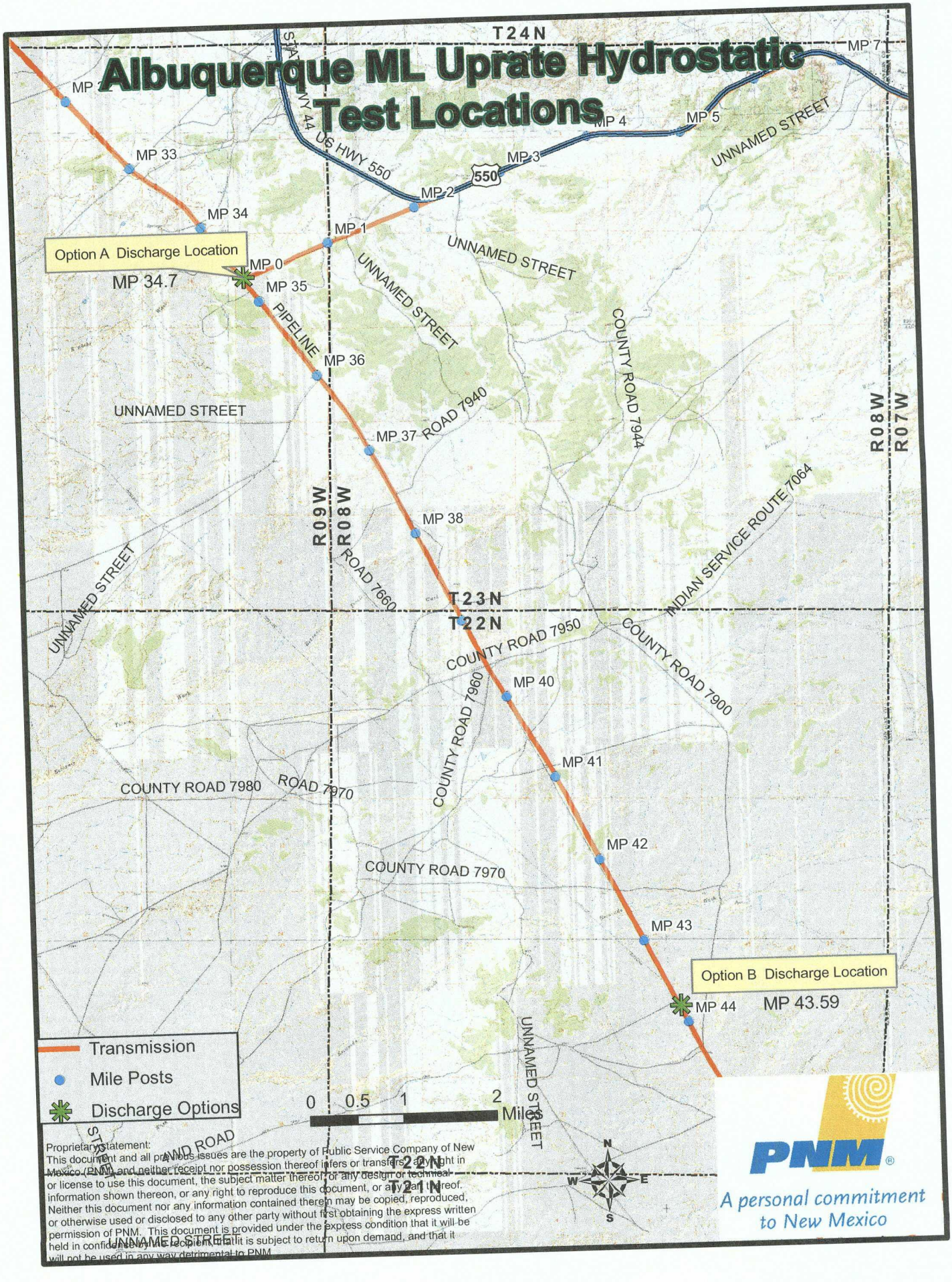
PNM requests written verification that this application is deemed administratively complete. If additional information is required please notify me in writing as soon as possible. Please call Marcelle Fiedler at (505) 241-0665 if you have any questions.

Sincerely,

Curtis J. Winner
Manager, Environmental Construction and Maintenance
Public Service Company of New Mexico
Alvarado Square MS 2104
Albuquerque, NM 87158

Attachment: Location maps
Cc: ESD/DCC

Albuquerque ML Uprate Hydrostatic Test Locations



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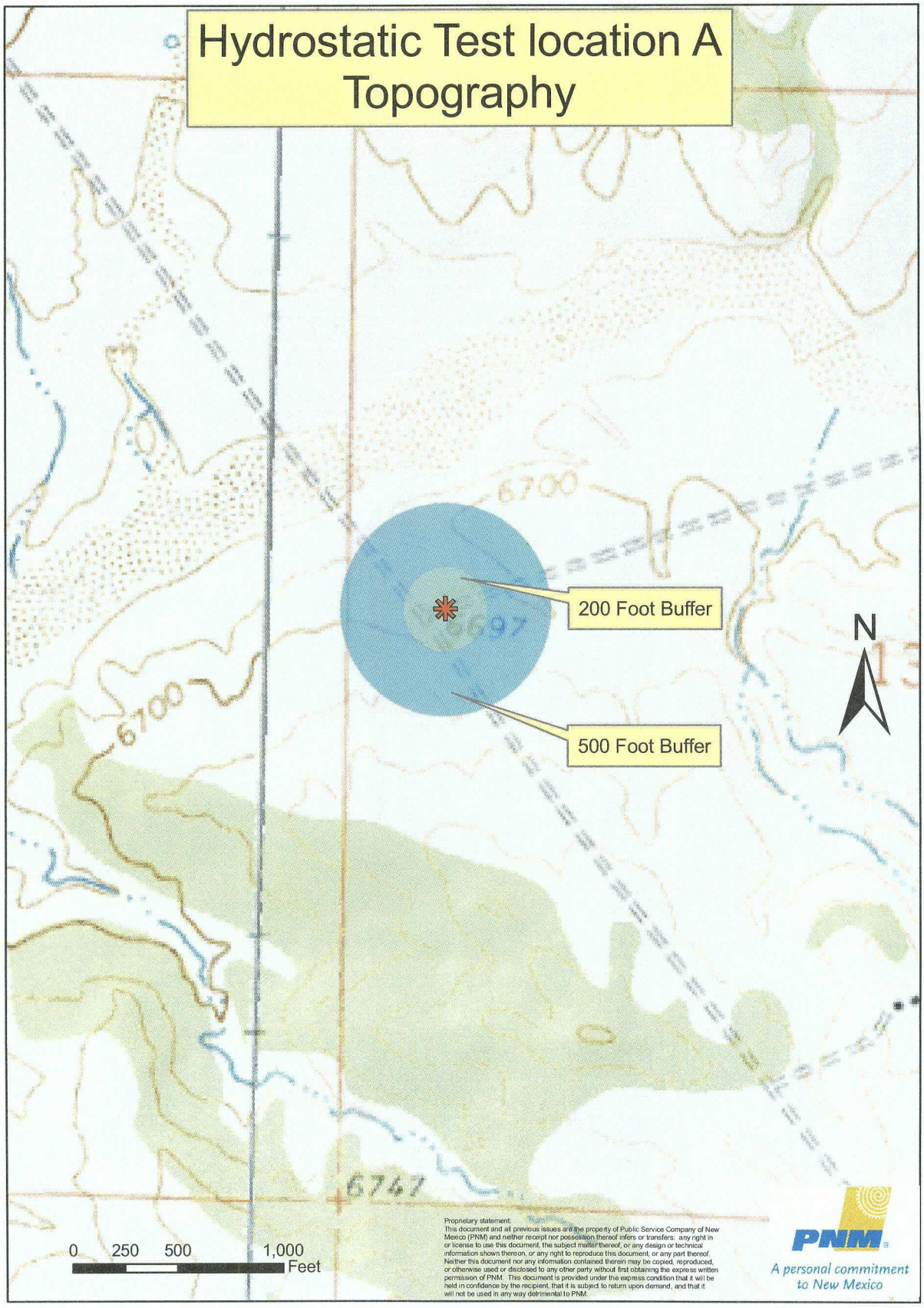
Hydrostatic Test location A
Topography
6700
6697
6700
6747
200 Foot Buffer
500 Foot Buffer
N
0 250 500 1,000
Feet
Proprietary statement:
This document and all previous issues are the property of Public Service Company of New Mexico (PNM) and neither receipt nor possession thereof infers or transfers: any right in or license to use this document, the subject matter thereof, or any design or technical information shown thereon, or any right to reproduce this document, or any part thereof. Neither this document nor any information contained therein may be copied, reproduced, or otherwise used or disclosed to any other party without first obtaining the express written permission of PNM. This document is provided under the express condition that it will be held in confidence by the recipient, that it is subject to return upon demand, and that it will not be used in any way detrimental to PNM.
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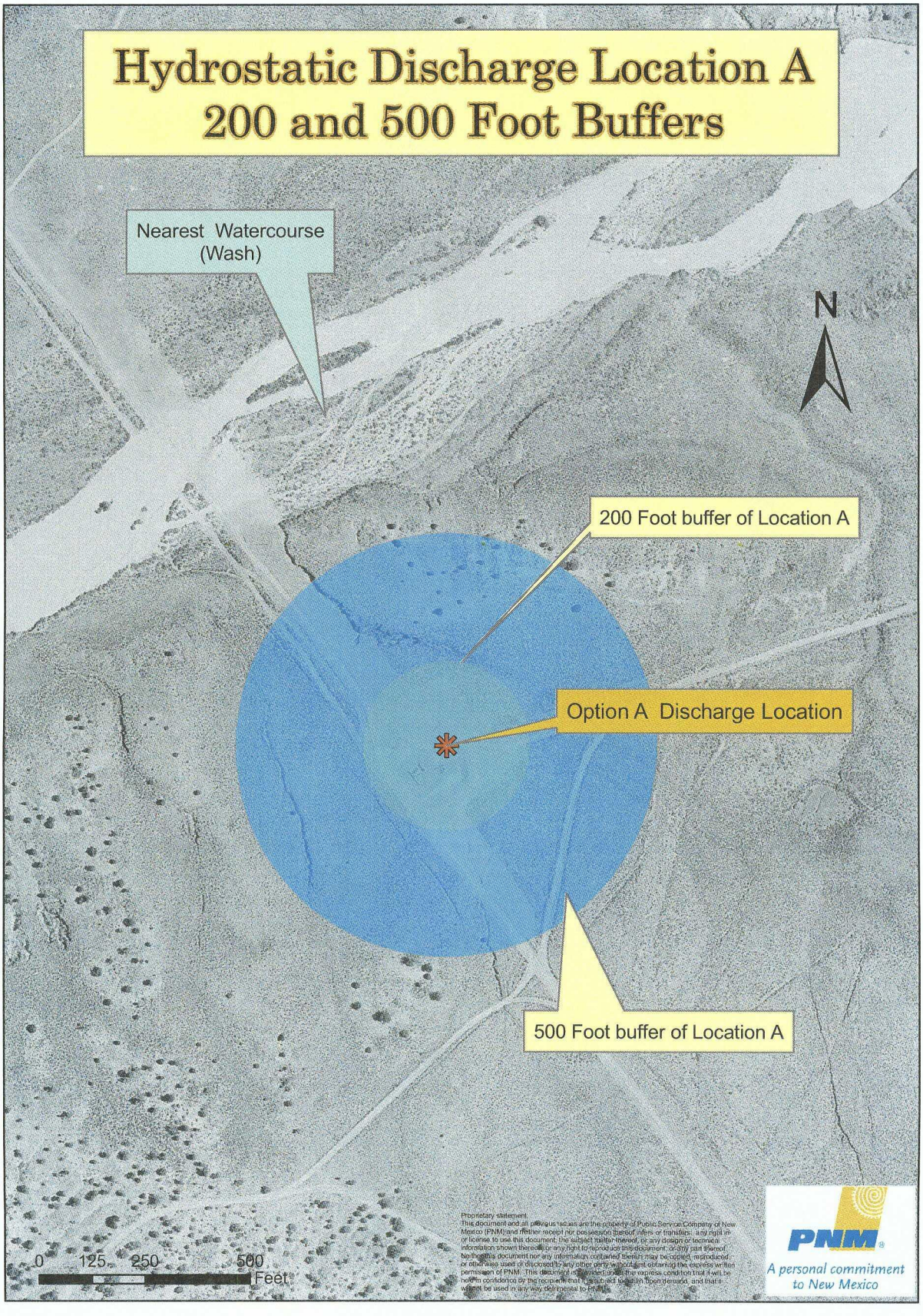
Hydrostatic Discharge Location A
200 and 500 Foot Buffers



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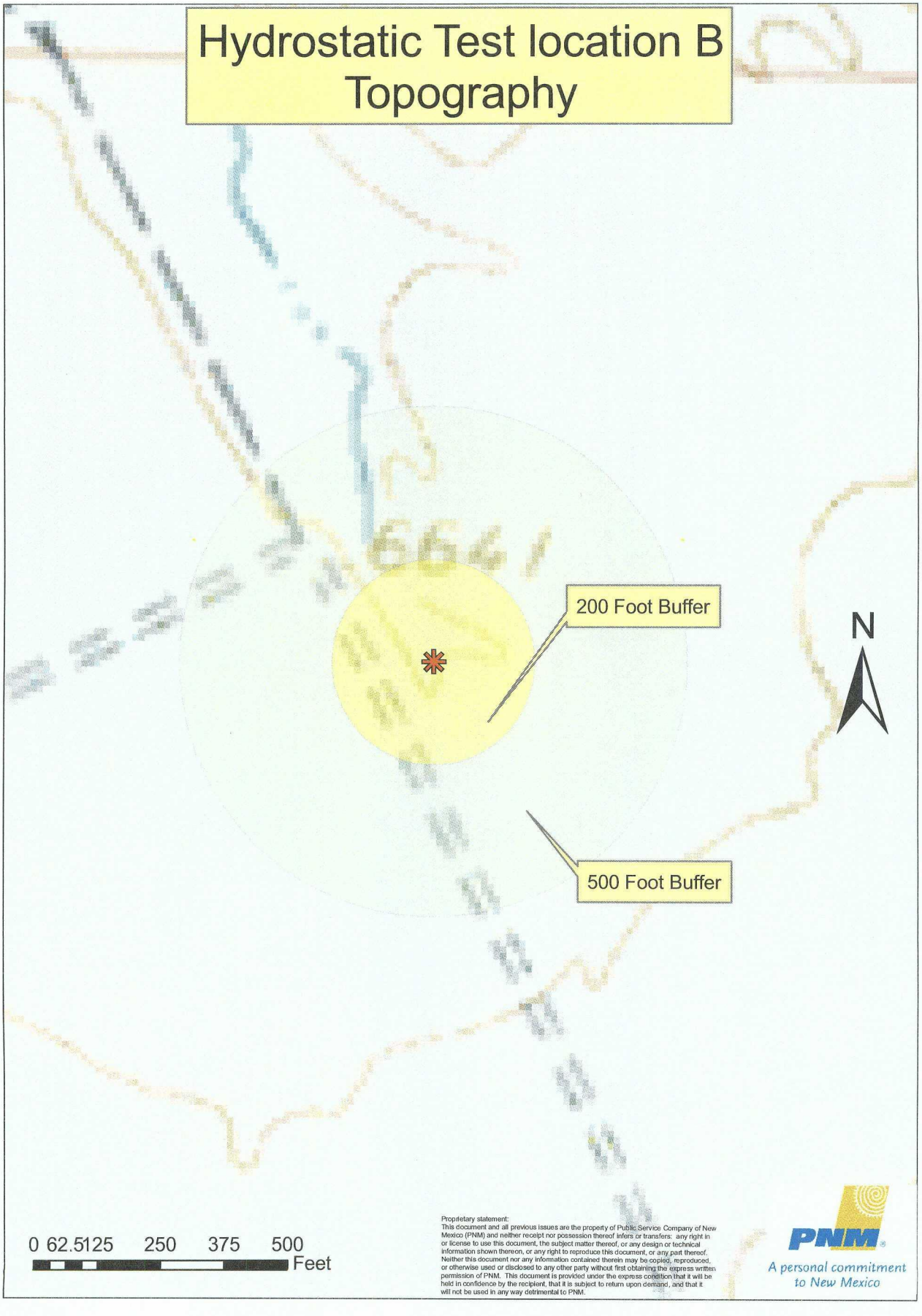
Hydrostatic Test location B Topography



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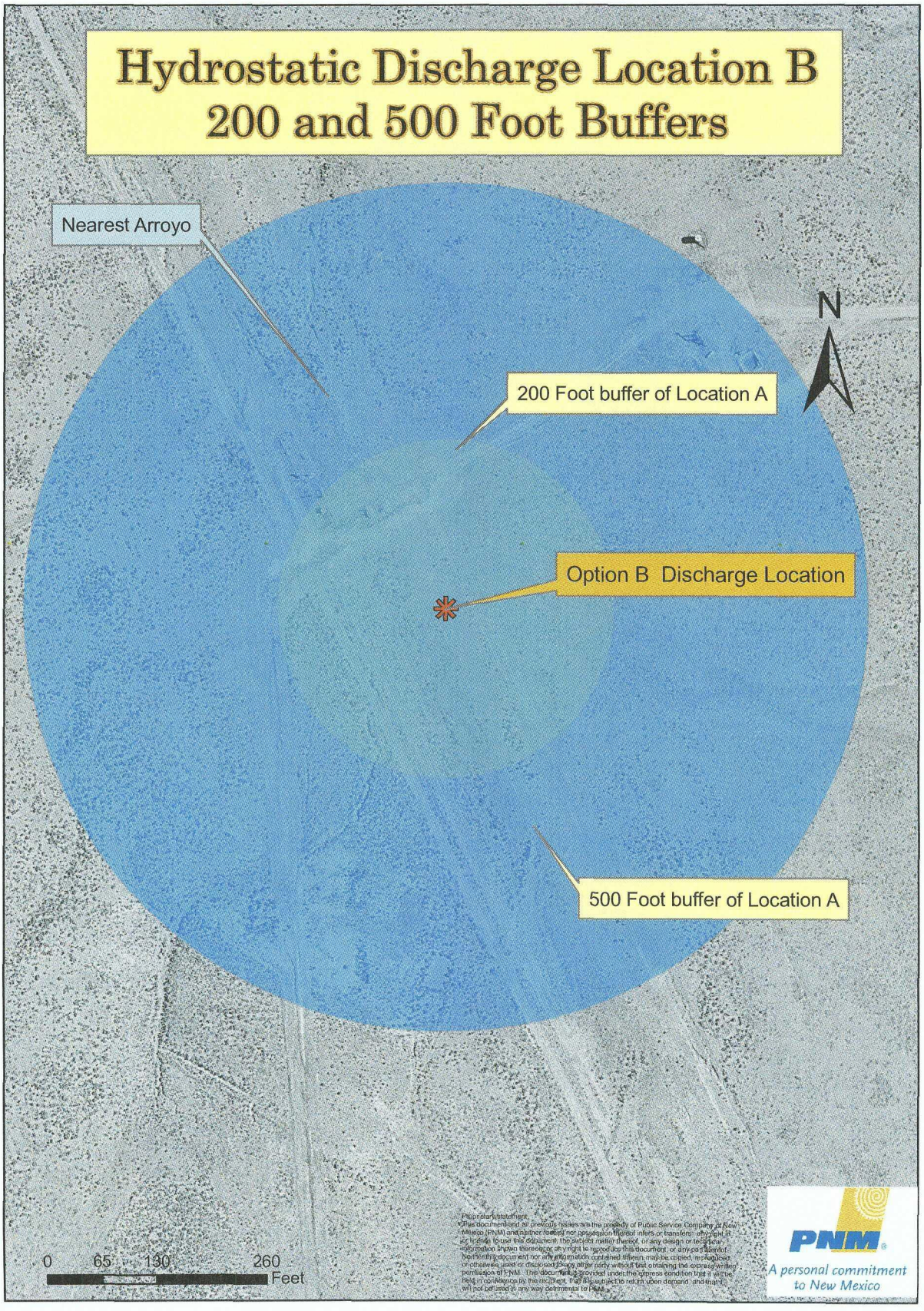
Hydrostatic Discharge Location B
200 and 500 Foot Buffers
Nearest Arroyo
N
200 Foot buffer of Location A
Option B Discharge Location
500 Foot buffer of Location A
0
65
130
260
Feet
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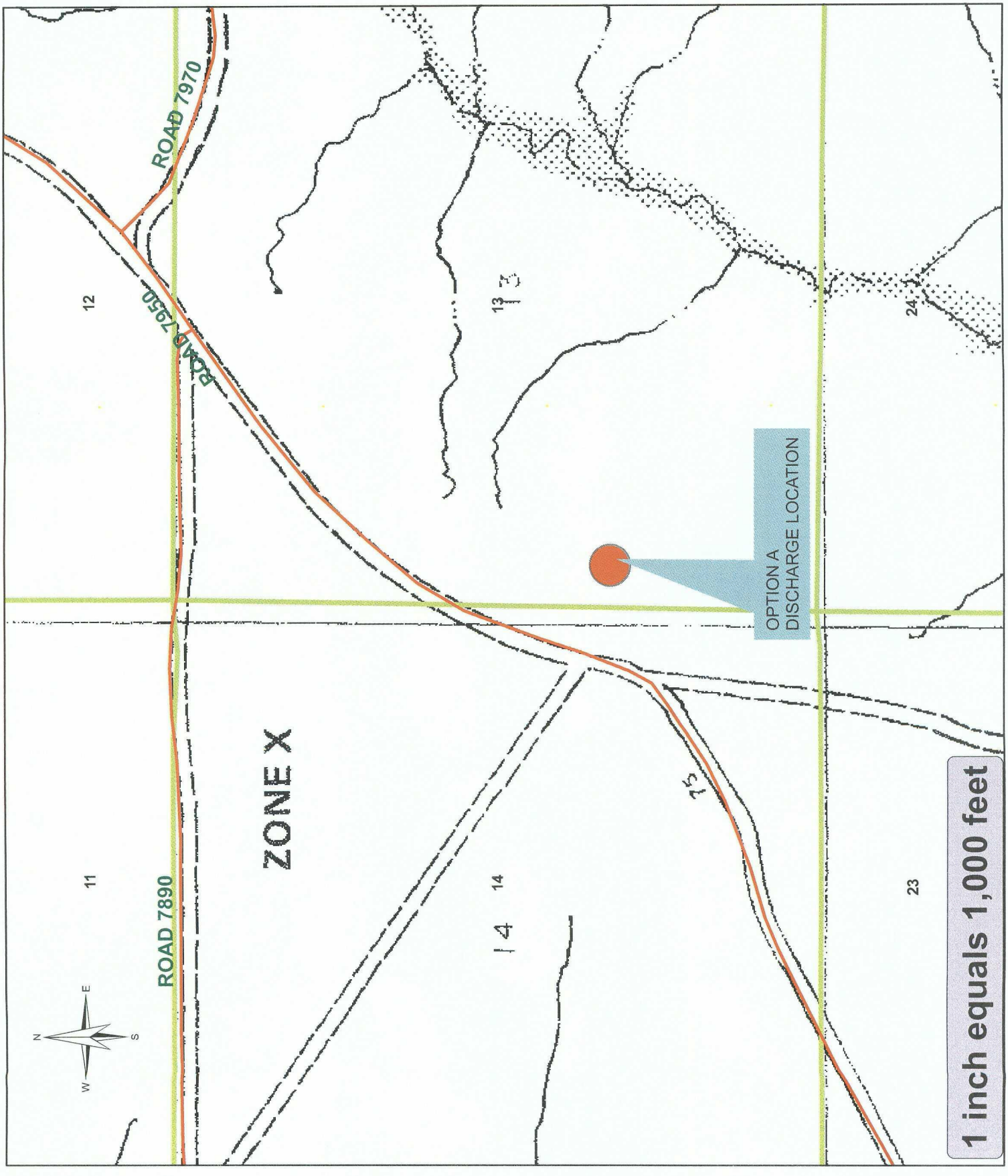
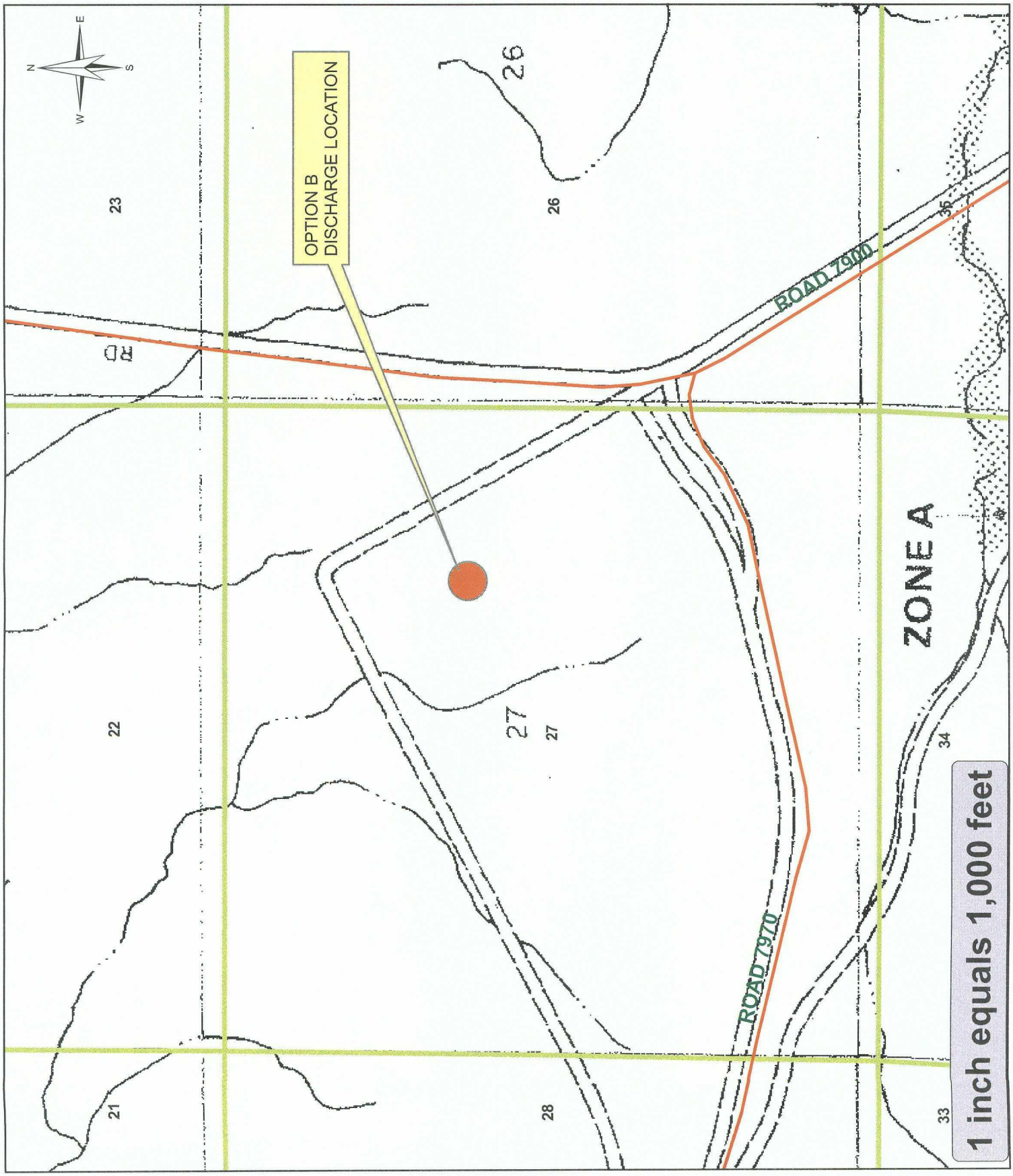
SAN JUAN COUNTY
FLOODPLAIN MANAGEMENT
209 S OLIVER, AZTEC NM 87410
505-334-1180

S13 - T22N - R9W
FLOODPLAIN MAP # 3500641275B



SAN JUAN COUNTY
FLOODPLAIN MANAGEMENT
209 S OLIVER, AZTEC NM 87410
505-334-1180

S27 - T22N - R8W
FLOODPLAIN MAP # 3500641275B




Hydrostatic Test location A
Vicinity Wells
Depth to water 515 feet
Depth to water 690 feet
Depth to water 630 feet
1000 Foot Buffer
N
Depth to water 173 feet
Legend
ose_wells_jan03
Discharge Locations
0 2,500 5,000 10,000
Feet
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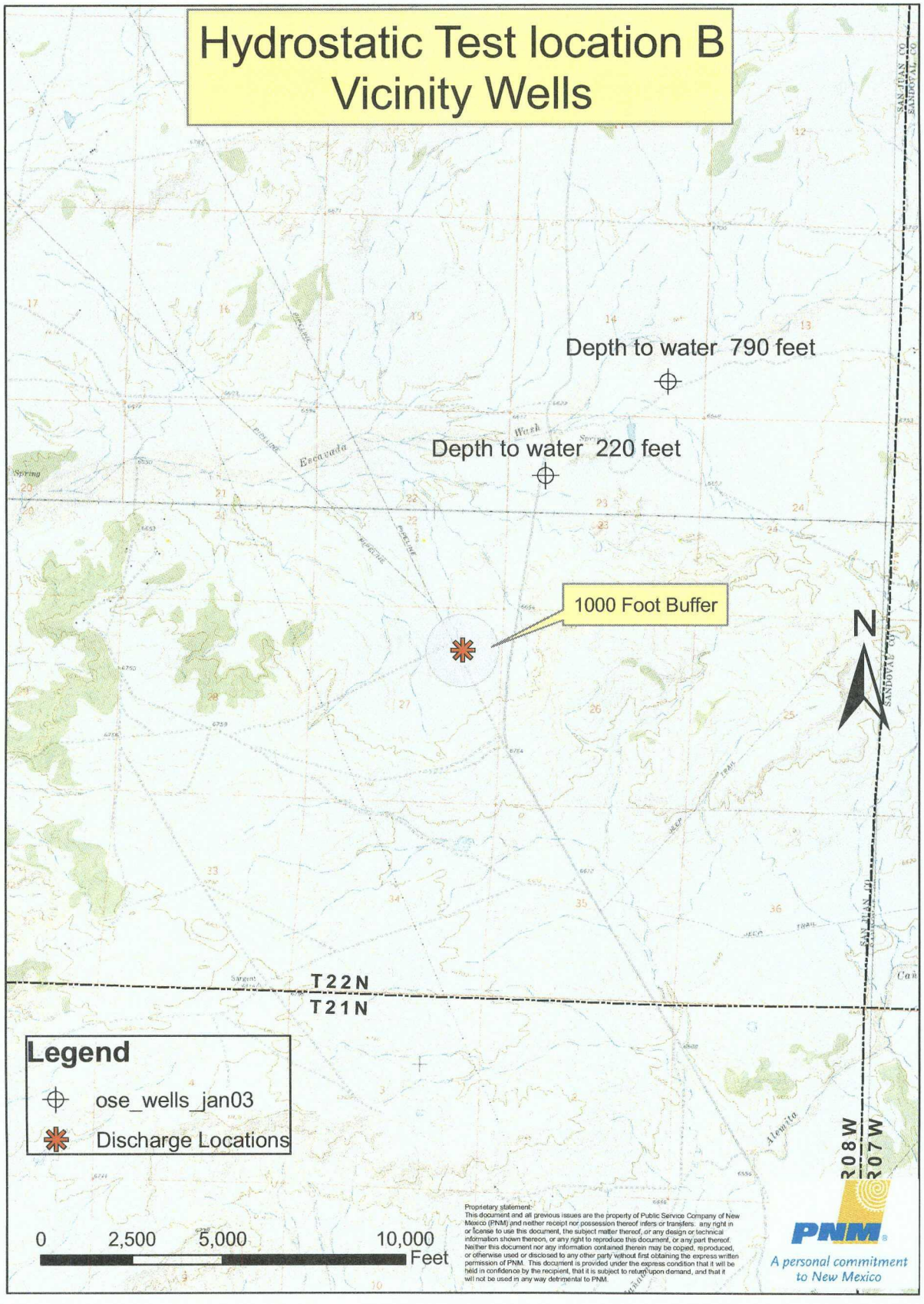
Hydrostatic Test location B
Vicinity Wells
Depth to water 790 feet
Depth to water 220 feet
1000 Foot Buffer
N
T22N
T21N
R08W
R07W
Legend
ose_wells_jan03
Discharge Locations
0
2,500
5,000
10,000
Feet
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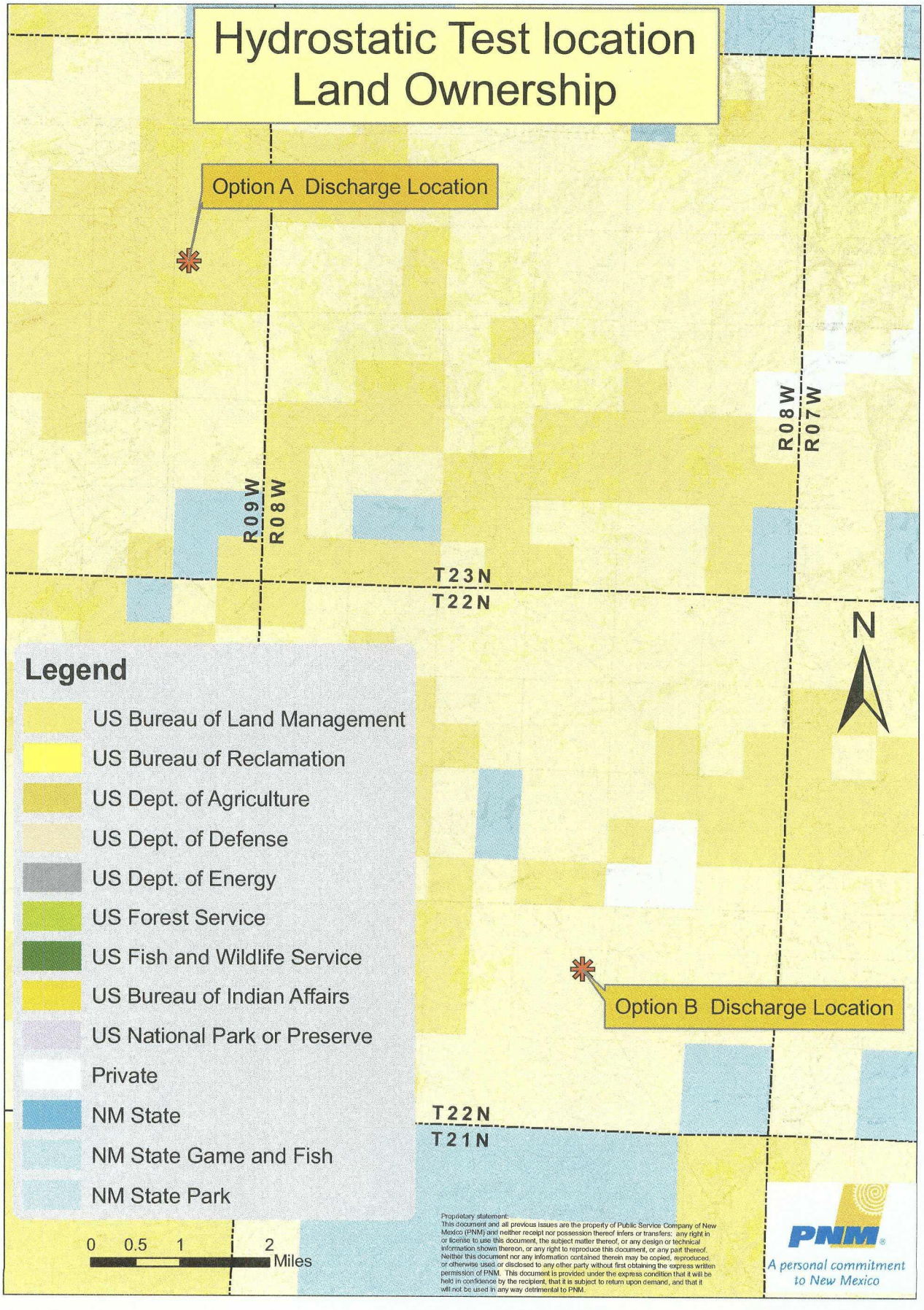
Hydrostatic Test location
Land Ownership
Option A Discharge Location
R09W
R08W
R08W
R07W
T23N
T22N
N
Legend
US Bureau of Land Management
US Bureau of Reclamation
US Dept. of Agriculture
US Dept. of Defense
US Dept. of Energy
US Forest Service
US Fish and Wildlife Service
US Bureau of Indian Affairs
US National Park or Preserve
Private
NM State
NM State Game and Fish
NM State Park
Option B Discharge Location
T22N
T21N
0 0.5 1 2
Miles
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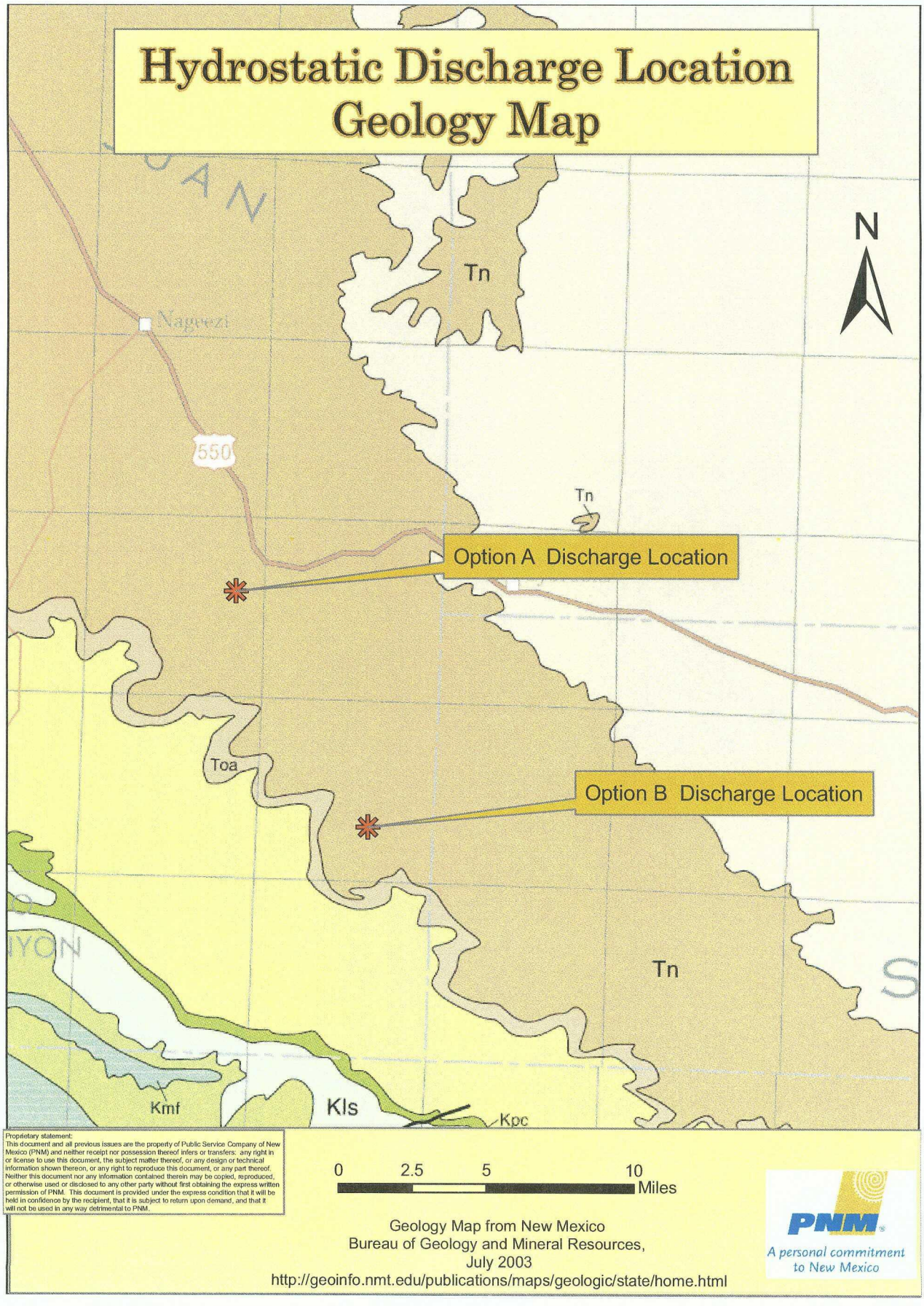
Hydrostatic Discharge Location Geology Map



Geology Map from New Mexico
Bureau of Geology and Mineral Resources,
July 2003
http://geoinfo.nmt.edu/publications/maps/geologic/state/home.html

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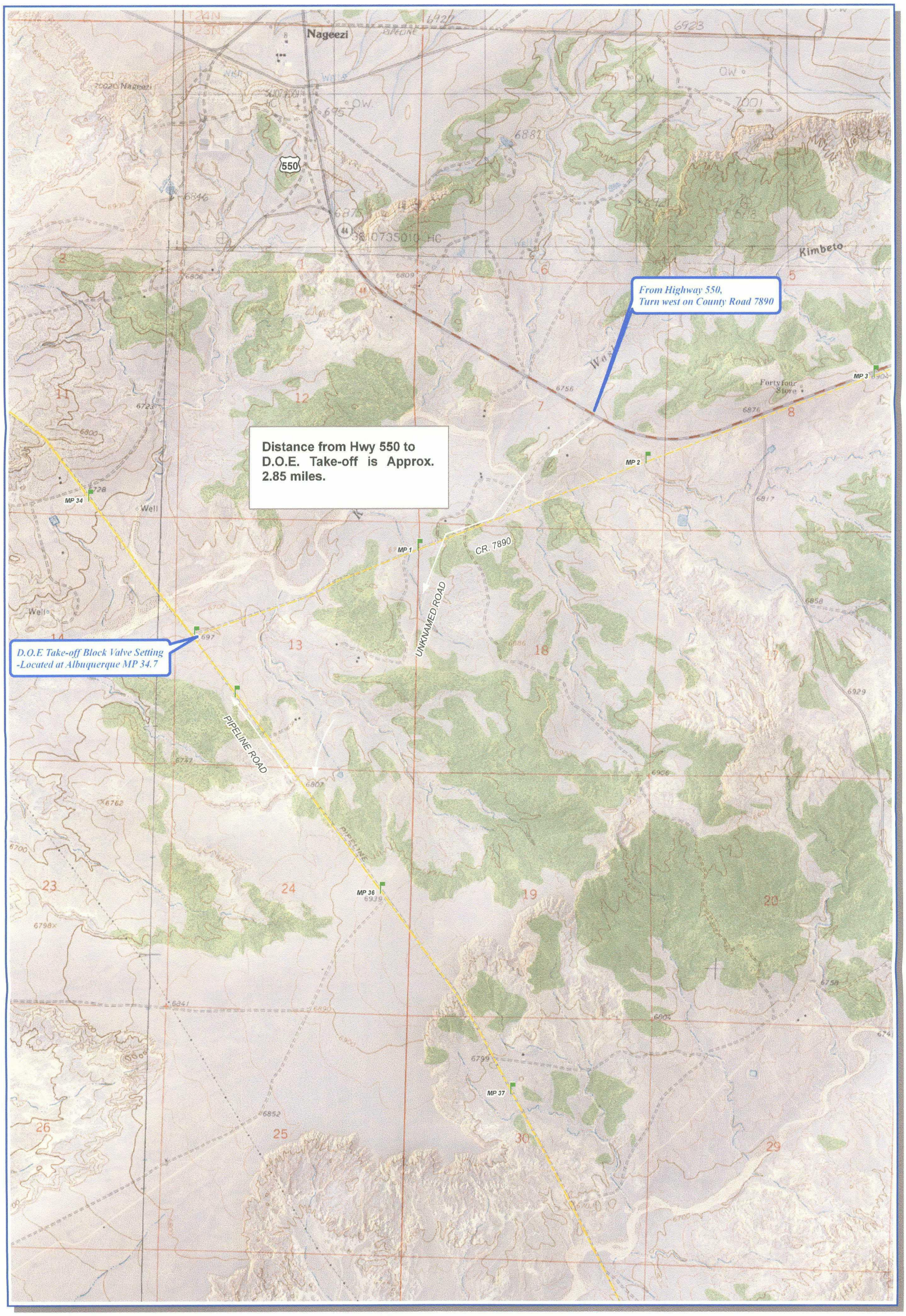

Plan of Development Access Map

Albuquerque Mainline Expansion

Project 2007: Phase II

Route to D.O.E. Take-off & Lybrook Take-off Stations from Highway 550

Sheet 2 of 5: D.O.E. Take-off

Legend
PNM Facilities
Facility Type
Block Valve Settings
Dehydrator Stations
Mile Posts
PNM Piplines
Existing Transmission
NM Cities and Towns
Population Size
0 - 3931
3932 - 14568
14569 - 37844
37845 - 74267
74268 - 449607

0 0.2 0.4 0.8 Miles

For Reference Only!
Do not use for line locating

If Excavating, Call:
Albuquerque Area 260-1990
Las Cruces Area 526-0400
Statewide 1-800-321-ALERT

GAS Engineering
INNOVATIVE Software Solutions

PNM - Innovative Software Solutions
Drew P. Enright, 04-26-2007
Map Size: 8.5 by 14 inches Printer Page Format: Legal
\\Albnas1\gengrp\Collaboration\GAS\ABQ ML Pressure Increase 2007\MXD\ABQ_MV_ML_FOD_2007 sht2 Inserted

PNM A personal commitment to New Mexico

N

550

From Highway 550,
Turn south on Indian Service Route 7890

MP 0
MP 1
MP 2
MP 5
MP 6
MP 7
CR. 7890
MP 35
PIPELINE ROAD
MP 36
MP 37
MP 38
MP 39
MP 40
MP 41
MP 42
MP 43

Distance from Hwy 550 to Dugan Big Band Interconnect is Approx. 10.10 miles.

Dugan Big Band Interconnect
-Located at Albuquerque MP 43.59

Turn west on Dirt Road Approx. 3,000 feet North of the intersection of ISR 7890 & Pipeline Road.

0 0.5 1 2 Miles

Plan of Development Access Map

Albuqueruque Mainline Expansion

Project 2007: Phase II

Route to Dugan Big Band Interconnect the turn off at the 44 Store on Highway 550

Sheet 4 of 5: Dugan Big Band

Legend

Pnm Facilities
Facility Type
- Block Valve Settings
- Dehydrator Stations
- Mile Posts

PNM Piplines
- Existing Transmission

NM Cities and Towns
Population Size
- 0 - 3931
- 3932 - 14565
- 14566 - 37844
- 37845 - 74267
- 74268 - 448607

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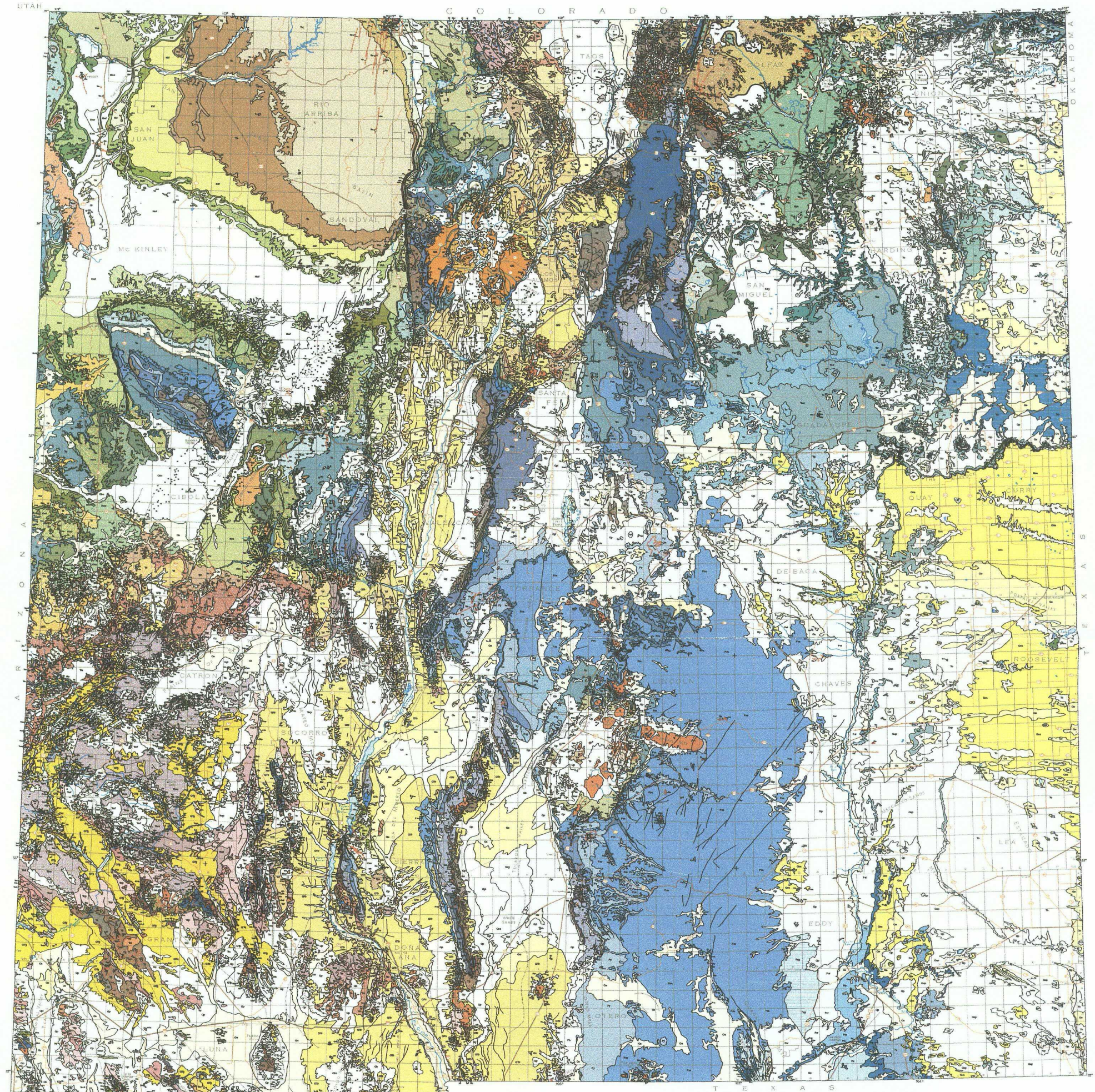
Las Cruces Area 526-0400
Statewide 1-800-321-ALERT

PNM - Innovative Software Solutions
Chris P. Enright, 04-05-2007
Map Size: 8.5 by 14 inches, Printer Page Format: Legal
\\Albnas1\gsproj\Collaboration\GAS\Alb ML Pressure Increase 2007\I.S.S\ArcMXD\ABQ_NW_M-L_P.O.D._2007-sht4-bsize.mxd



Geologic Map of New Mexico

New Mexico Bureau of Geology and Mineral Resources

Celebrating 75 Years of Service

A DIVISION OF NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY

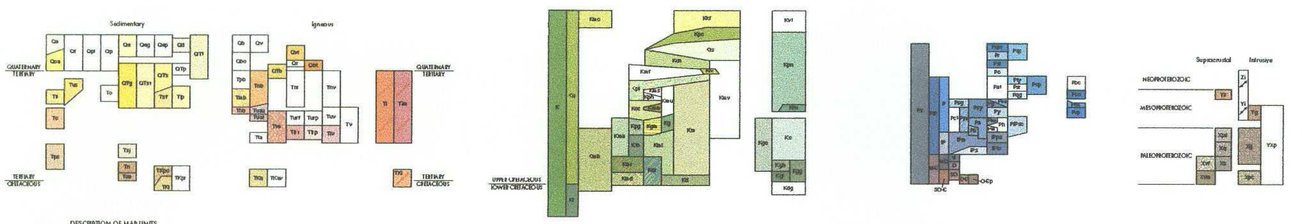
Peter A. Scholle, *State Geologist*

2003

PUBLISHED IN COOPERATION WITH THE U.S. GEOLOGICAL SURVEY

1:500,000

For sale from:
New Mexico Bureau of Geology and Mineral Resources
New Mexico Institute Of Mining And Technology
801 Leroy Place Socorro, New Mexico 87801 (505) 835-5410
geoinfo.nmt.edu



DESCRIPTION OF MAP UNITS

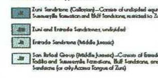
QUATERNARY

Qa Alluvium (Holocene to upper Pleistocene)

CRETACEOUS

PALEOZOIC

PROTEROZOIC



JURASSIC

TRIASSIC

MAP SYMBOLS

Contact

Nomenclature change

Gradational facies boundary

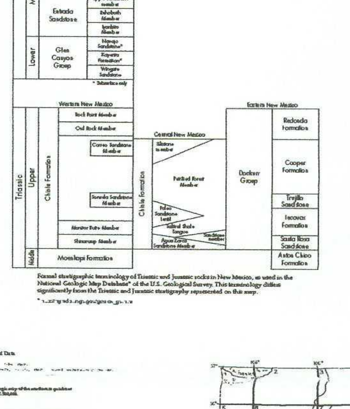
Fault—Dashed where approximately located, dotted where concealed

Tertiary dikes

Proterozoic dikes

Proterozoic ductile shear zone

Playa



Formal stratigraphic terminology of Triassic and Jurassic rocks in New Mexico, as used in the National Geologic Map Database* of the U.S. Geological Survey. This terminology differs significantly from the Triassic and Jurassic stratigraphy represented on this map.

EXPLANATION FOR

Geologic Map of New Mexico

1:500,000

New Mexico Bureau of Geology and Mineral Resources

Celebrating 75 Years of Service

A DIVISION OF NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY

Peter A. Scholle, State Geologist

2003

PUBLISHED IN COOPERATION WITH THE U.S. GEOLOGICAL SURVEY

This map represents the first substantial revision of the geologic map of New Mexico at this scale since the appearance of the State Geologic Map of New Mexico by Carle H. Dane and George O. Bachman, published in two sheets by the U.S. Geological Survey (in cooperation with the New Mexico Bureau of Mines and Mineral Resources) in 1965. The present compilation was started in 1985 by G. Robert Osburn, under the directorship of Frank Kottlowski. The bulk of the compilation was accomplished between 1987 and 1998 by Orin J. Anderson and Glen E. Jones. Since 1998 the map has been reviewed and revised by many other workers (listed below). The present map reflects substantial revisions to the Anderson and Jones compilation. Earlier versions of that compilation appeared in 1994 as Open file Report # 408 of the New Mexico Bureau of Mines and Mineral Resources, and in 1997 as Open file Report 97 52 of the U.S. Geological Survey. Work on this project has spanned the administrations of three directors at the New Mexico Bureau of Geology and Mineral Resources: Frank Kottlowski, Charles Chapin, and Peter Scholle. This map was created in Macromedia Freehand from ArcInfo files created by Greg Green, U.S. Geological Survey.

Unless otherwise noted, all persons listed are present or former members of the staff of the New Mexico Bureau of Geology and Mineral Resources

Digital Processing: Greg Green, U.S. Geological Survey

Digitizing: Glen E. Jones

Digital Cartography & Layout: Rebecca J.T. Taylor, Prisma Light Studio

Cartographic/GIS Support: Kathryn E. Glesener

Geologic Review:

Paul W. Bauer
Steven M. Cather
Richard M. Chamberlin
Sean D. Connell
John Hawley
Thomas W. Judkins, U.S. Geological Survey; geologic names review
Karl E. Karlstrom, University of New Mexico
Timothy Lawton, New Mexico State University
Peter W. Lipman, U.S. Geological Survey
David W. Love
Spencer G. Lucas, New Mexico Museum of Natural History and Science
William C. McIntosh
Charles Maxwell, U.S. Geological Survey
Virginia T. McLemore
Chuck Pillmore, U.S. Geological Survey
Jim Ratté, U.S. Geological Survey
Adam S. Read
William R. Seager, New Mexico State University
Lee A. Woodward, University of New Mexico

Editorial: Jane C. Love and L. Greer Price

Production: L. Greer Price

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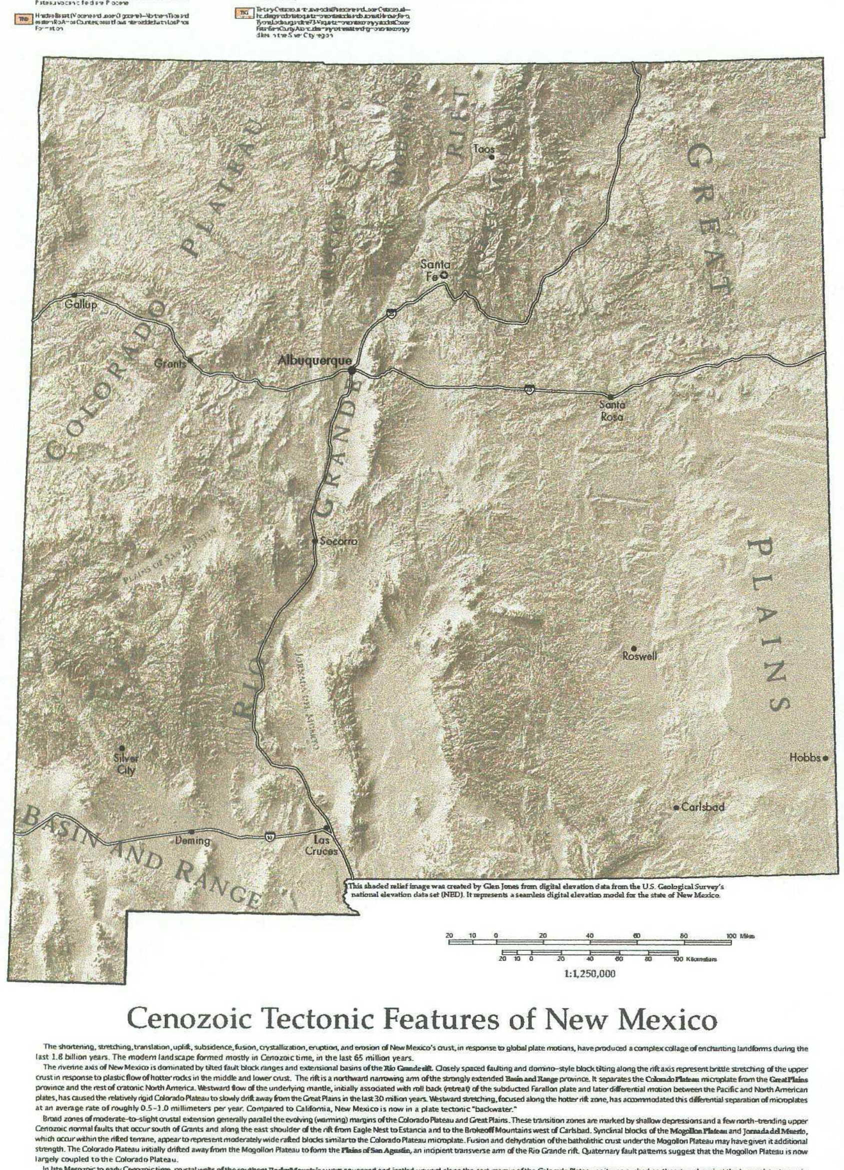
NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY
801 Leroy Place Socorro, New Mexico 87801 (505) 835-5410
geoinfo.nmt.edu
ISBN 1-883905-16-8

New Mexico Bureau of Geology and Mineral Resources, 2003,
Geologic Map of New Mexico, 1:500,000:
New Mexico Bureau of Geology and Mineral Resources



This shaded relief image was created by Glen Jones from digital elevation data from the U.S. Geological Survey's national elevation data set (NED). It represents a seamless digital elevation model for the state of New Mexico.

1:1,250,000

Cenozoic Tectonic Features of New Mexico

The shortening, stretching, translation, uplift, subsidence, fusion, crystallization, eruption, and erosion of New Mexico's crust, in response to global plate motions, have produced a complex collage of enchanting landforms during the last 1.8 billion years. The modern landscape formed mostly in Cenozoic time, in the last 65 million years.

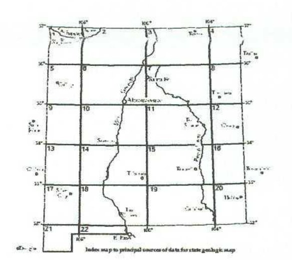
The riverine axis of New Mexico is dominated by tilted fault block ranges and extensional basins of the **Rio Grande rift**. Closely spaced faulting and domino-style block tilting along the rift axis represent brittle stretching of the upper crust in response to plastic flow of hotter rocks in the middle and lower crust. The rift is a northward narrowing arm of the strongly extended **Basin and Range** province. It separates the **Colorado Plateau** microplate from the **Great Plains** province and the rest of cratonic North America. Westward flow of the underlying mantle, initially associated with roll back (retreat) of the subducted Farallon plate and later differential motion between the Pacific and North American plates, has caused the relatively rigid Colorado Plateau to slowly drift away from the Great Plains in the last 30 million years. Westward stretching, focused along the hotter rift zone, has accommodated this differential separation of microplates at an average rate of roughly 0.5–1.0 millimeters per year. Compared to California, New Mexico is now in a plate tectonic "backwater."

Broad zones of moderate-to-slight crustal extension generally parallel the evolving (warming) margins of the Colorado Plateau and Great Plains. These transition zones are marked by shallow depressions and a few north-trending upper Cenozoic normal faults that occur south of Grants and along the east shoulder of the rift from Eagle Nest to Estancia and to the Brokeoff Mountains west of Carlsbad. Synclinal blocks of the **Mogollon Plateau** and **Jornada del Muerto**, which occur within the rifted terrane, appear to represent moderately wide rafted blocks similar to the Colorado Plateau microplate. Fusion and dehydration of the batholithic crust under the Mogollon Plateau may have given it additional strength. The Colorado Plateau initially drifted away from the Mogollon Plateau to form the **Plains of San Agustin**, an incipient transverse arm of the Rio Grande rift. Quaternary fault patterns suggest that the Mogollon Plateau is now largely coupled to the Colorado Plateau.

In late Mesozoic to early Cenozoic time, crustal welts of the southern **Rocky Mountains** were squeezed and jostled upward along the east margin of the Colorado Plateau as it was pushed northeastward against the less resistant margin of the craton. This Laramide zone of crustal shortening has apparently guided later development of the Rio Grande rift and peripheral zones of extension. For example, in northern New Mexico younger rift basins have partially inverted (collapsed) the core area of the older Laramide Rocky Mountains.

Richard M. Chamberlin

Principal Sources of Data



Index map to principal sources of data for state geologic map

Map Unit Legend Summary

San Juan County, New Mexico, Eastern Part

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BT	Blancot-Notal association, gently sloping	39.6	98.9
FX	Fruitland-Persayo-Sheppard complex, hilly	0.0	0.0
RA	Riverwash	0.4	1.1

SOIL SURVEY OF SAN JUAN COUNTY, NEW MEXICO, EASTERN PART

Option A

USDA Natural Resources Conservation Service

Option A

MAP LEGEND

- Soil Map Units
- Cities
- Detailed Counties
- Detailed States
- Interstate Highways
- Roads
- Rails
- Water
- Hydrography
- Oceans
- Escarpment, bedrock
- Escarpment, non-bedrock
- Gulley
- Levee
- Slope
- Blowout
- Borrow Pit
- Clay Spot
- Depression, closed
- Eroded Spot
- Gravel Pit
- Gravelly Spot
- Gulley
- Lava Flow
- Landfill
- Marsh or Swamp
- Miscellaneous Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Slide or Slip
- Sinkhole
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Perennial Water
- Wet Spot

MAP INFORMATION

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov

Coordinate System: UTM Zone 13

Soil Survey Area: San Juan County, New Mexico, Eastern Part
Spatial Version of Data: 5
Soil Map Compilation Scale: 1:63360

Map comprised of aerial images photographed on these dates:
10/13/1997

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

SOIL SURVEY OF SAN JUAN COUNTY, NEW MEXICO, EASTERN PART

Option A

Option B

MAP LEGEND

- Soil Map Units
- Cities
- Detailed Counties
- Detailed States
- Interstate Highways
- Roads
- Rails
- Water
- Hydrography
- Oceans
- Escarpment, bedrock
- Escarpment, non-bedrock
- Gulley
- Levee
- Slope
- Blowout
- Borrow Pit
- Clay Spot
- Depression, closed
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- Gravel Pit
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- Saline Spot
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- Perennial Water
- Wet Spot

MAP INFORMATION

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Coordinate System: UTM Zone 13

Soil Survey Area: San Juan County, New Mexico, Eastern Part
Spatial Version of Data: 5
Soil Map Compilation Scale: 1:63360

Map comprised of aerial images photographed on these dates:
10/13/1997

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Map Unit Legend Summary

San Juan County, New Mexico, Eastern Part

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BT	Blancot-Notal association, gently sloping	38.4	100.0

LOCATION NOTAL NM

Established Series
Rev. JVC/WWJ/SAZ
12/2006

NOTAL SERIES

The Notal series consists of very deep, well drained, sodium affected soils that formed in alluvium, stream alluvium, and fan alluvium derived from shale, siltstone, and sandstone. Notal soils are on low stream terraces on valley floors and alluvial fans on valley sides, fan terraces and small depressions of undulating plateaus. Permeability is very slow. Slopes are 0 to 5 percent. Mean annual precipitation is about 7 inches and mean annual temperature is about 52 degrees F.

TAXONOMIC CLASS: Fine, mixed, active, calcareous, mesic Typic Torriorthents

TYPICAL PEDON: Notal silty clay loam--on a nearly level low stream terrace at 5,495 feet elevation--rangeland. (Colors are for dry soil unless otherwise noted. When described, the pedon was moist from 1 to 4 inches and dry below.)

A--0 to 3 inches; pale brown (10YR 6/3) silty clay loam, brown (10YR 4/3) moist; moderate thick platy structure parting to strong very fine granular; soft, very friable, sticky and plastic; few fine and very fine roots; few very fine vesicular pores; slightly effervescent; strongly alkaline (pH 8.8); clear smooth boundary. (2 to 4 inches thick)

Bw--3 to 11 inches; grayish brown (10YR 5/2) silty clay loam, dark grayish brown (10YR 4/2) moist; moderate coarse subangular blocky structure; hard, friable, sticky and plastic; few medium and common fine and very fine roots; few very fine tubular pores; secondary gypsum segregated in very few fine filaments; slightly effervescent; strongly alkaline (pH 9.0); clear smooth boundary. (0 to 10 inches thick)

BCy--11 to 27 inches; grayish brown (10YR 5/2) gypsiferous silty clay, dark grayish brown (10YR 4/2) moist; weak very thick platy structure parting to moderate coarse subangular blocky; hard, firm, sticky and plastic; few medium and common fine and very fine roots; few very fine tubular pores; few thin strata of silt loam; secondary gypsum segregated as common fine irregularly shaped filaments; slightly effervescent; strongly alkaline (pH 9.0); clear wavy boundary. (6 to 20 inches thick)

Cy--27 to 70 inches; grayish brown (10YR 5/2) gypsiferous silty clay, dark grayish brown (10YR 4/2) moist; massive; very hard, firm, sticky and plastic; few medium and very fine roots; common thin strata of silt loam and very fine sandy loam, secondary gypsum segregated in few fine and medium irregularly shaped masses and filaments; slightly effervescent; strongly alkaline (pH 8.8).

TYPE LOCATION: San Juan County, New Mexico; on the Navajo Indian Reservation about 9 miles east of Sheep Springs near the Great Bend of the Chaco River; 1,000 feet east and 1,000 feet south of the northwest corner of sec. 3, T.22N., R.16W.; Latitude 36 degrees 10 minutes 27 seconds N and Longitude 108 degrees 9 minutes 46 seconds W.

RANGE IN CHARACTERISTICS:

Soil moisture - Typically, the soil moisture control section is intermittently moist in some part from July to October and December to March. Typic aridic moisture regime.

Soil temperature - 52 to 57 degrees F.

Silicate clay content control section weighted average - 35 to 55 percent

Reaction - moderately to strongly alkaline

Calcium carbonate equivalent - 1 to 10 percent

Rock fragments - 0 to 10 percent pebbles

A horizon
Hue: 10YR or 2.5Y.
Value: 5 or 6 dry, 4 or 5 moist.
Chroma: 2 through 4.
Texture: silty clay loam, clay loam, or sandy clay loam.
Salinity, mmhos/cm: 0 to 8.
Sodicity, SAR: 5 to 13.

Bw horizon
Hue: 10YR or 2.5Y.
Value: 5 or 6 dry and moist.
Chroma: 2 through 4.
Texture: silty clay loam, silty clay, or clay.
Salinity, mmhos/cm: 4 to 8.
Sodicity, SAR: 5 to 13.
Gypsum content: 0 to 1 percent.

BCy and Cy horizons
Hue: 10YR or 2.5Y.
Chroma: 2 to 4.
Texture: stratified gypsiferous sandy clay loam, clay loam, clay or gypsiferous silty clay.
Salinity, mmhos/cm: 4 to 16.
Sodicity, SAR: 13 to 30.
Gypsum content: 1 to 5 percent.
Other features: most pedons have thin strata of silt loam, very fine sandy loam, sandy clay loam, or loam.

COMPETING SERIES: These are the Hanksville (UT), Shear (UT) and Yuba (UT) series. Hanksville soils are moderately deep to shale. Shear soils formed in eolian clays on wind deposited dunes and have very fine granular structure that gives the appearance and loose consistence of medium sand. Yuba soils have salic horizons and mean annual soil temperatures of 51 to 54 degrees F.

GEOGRAPHIC SETTING: Notal soils are on low stream terraces on valley floors and alluvial fans on valley sides, fan terraces, and small depressions of undulating plateaus. Notal soils formed in stratified alluvium, stream alluvium, and fan alluvium derived from Cretaceous and Tertiary shale, siltstone, and sandstone. Thin, locally derived deposits of eolian material are present in some areas. Slopes are 0 to 5 percent. Elevation ranges from 4,700 to 6,500 feet. The mean annual precipitation is 5 to 10 inches with

35 to 60 percent falling as rain from high-intensity thunderstorms between July and September. The mean annual temperature is 50 to 55 degrees F. The average frost-free period is 130 to 160 days.

GEOGRAPHICALLY ASSOCIATED SOILS: These are the Blueflat, Escavada, Hamburn, Jeddito, and Razito soils. Blueflat soils are moderately deep and have gypsic horizons. Escavada soils are sandy and occur on flood plains. Hamburn soils are fine-loamy and occur on flood plains. Jeddito soils are coarse-loamy and occur on low stream terraces. Razito soils are sandy and occur on stable dunes and fan terraces.

DRAINAGE AND PERMEABILITY: Well drained; high runoff; very slow permeability. Some phases of this soil have a rare hazard of flooding.

USE AND VEGETATION: Notal soils are used for livestock grazing and limited irrigated agriculture. Present vegetation is alkali sacaton, mound saltbush, galleta, black greasewood, and Torrey seapweed. Crops grown are alfalfa for hay, and grasses and legumes for pasture.

DISTRIBUTION AND EXTENT: Notal soils are moderately extensive on the western San Juan Basin and Four Corners Platform portions of the Colorado Plateau province in northwest New Mexico. They may also occur in southwest Colorado. MLRA 35.

MLRA OFFICE RESPONSIBLE: Phoenix, Arizona

SERIES ESTABLISHED: San Juan County, New Mexico, Eastern Part, 1978.

REMARKS: Diagnostic horizons and features recognized in this pedon are:

Ochric epipedon - the zone from the soil surface to a depth of about 3 inches (A horizon).

Entisol feature - the lack of diagnostic horizons within the zone from 3 to 40 inches (Bw, BCy, and Cy horizons).

The Bw horizon does not qualify as a cambic horizon because it lacks consistently higher chroma, redder hue, or higher clay content than an underlying horizon, and also because of the lack of evidence of removal of calcium carbonates. Bk or Ck horizons are not present below the Bw horizon, probably due to the young age (Holocene) of the alluvial deposits these soils occur in. Carbonates are present in the parent material and in the dust that falls on the soil.

Classified according to Soil Taxonomy Second Edition, 1999.

The taxonomic classification was changed from Typic Camborthids to Typic Torriorthents in 1993. Present classification represents the soil as mapped in the drier areas of San Juan County, New Mexico. The upper end of the precipitation range has been restricted to 8 inches to better represent the Typic Aridic moisture regime as it occurs in northwest New Mexico. Areas mapped as Notal in the Eastern Part of San Juan County, New Mexico, which have 8 to 10 inches of mean annual precipitation, are within the range of the established Lybrook series.

ADDITIONAL DATA: One pedon in San Juan County, NM was sampled for full characterization by the NSSL as pedon No. S86NM-045-9.

Soil and Range Inventory Report of District 12; U.S.D.I., BIA, Shiprock Agency, 1978. Soil profile

#4506-1 is within the range of this series.

Salinity values were determined on the type location and four additional pedons with a Wheatstone bridge or Instant EC salinity kit. SAR values are partially estimated. Calcium carbonate equivalence was determined with a field volume calcimeter.

National Cooperative Soil Survey
U.S.A.

LOCATION BLANCOT NM

Established Series
Rev. CWK/TLP/LH/SAZ/WWJ
05/2006

BLANCOT SERIES

The Blancot series consists of very deep, well drained soils that formed in alluvium and fan alluvium from shale and sandstone. Blancot soils are on valley sides and ridges. Slopes are 0 to 8 percent. The mean annual precipitation is about 10 inches and the mean annual temperature is about 49 degrees F.

TAXONOMIC CLASS: Fine-loamy, mixed, superactive, mesic Ustic Haplargids

TYPICAL PEDON: Blancot loam--rangeland. (Colors are for dry soil unless otherwise stated.)

A--0 to 2 inches; pale brown (10YR 6/3) loam, brown (10YR 5/3) moist; weak very fine granular structure; soft, very friable, slightly sticky and slightly plastic; common very fine roots; few fine pores; moderately alkaline (pH 8.2); clear boundary. (2 to 4 inches thick)

AB--2 to 5 inches; pale brown (10YR 6/3) clay loam, brown (10YR 5/3) moist; weak medium platy and weak fine subangular blocky structure; soft, friable, sticky and plastic; few fine and hard medium roots; few fine pores; moderately alkaline (pH 8.2); clear smooth boundary. (2 to 4 inches thick)

Bt1--5 to 10 inches; brown (10YR 5/3) clay loam, brown (10YR 4/3) moist; weak medium and coarse subangular blocky structure; hard, friable, slightly sticky and plastic; few fine and medium roots; few fine and medium pores; thin patchy clay films lining pores and on faces of peds; moderately alkaline (pH 8.0); clear smooth boundary. (4 to 7 inches thick)

Bt2--10 to 15 inches; light brownish gray (2.5Y 6/2) clay loam, grayish brown (2.5Y 5/2) moist; weak coarse and medium subangular blocky structure; hard, firm, slightly sticky and plastic; few fine and medium roots; few fine and medium pores; few thin patchy clay films lining pores and on faces of peds; slightly effervescent with disseminated calcium carbonates; moderately alkaline (pH 8.0); clear smooth boundary. (3 to 7 inches thick)

C1--15 to 23 inches; light yellowish brown (2.5Y 6/4) sandy clay loam, light olive brown (2.5Y 5/4) moist; massive; slightly hard, friable, slightly sticky and slightly plastic; few fine and medium roots; few fine pores; slightly effervescent with disseminated calcium carbonate; moderately alkaline (pH 8.2); clear smooth boundary. (7 to 28 inches thick)

C2--23 to 60 inches; light brownish gray (2.5Y 6/2) clay loam, grayish brown (2.5Y 5/2) moist; massive; hard, friable, sticky and plastic; few fine and medium roots; few fine pores; strongly effervescent with disseminated calcium carbonates; strongly alkaline (pH 8.7).

TYPE LOCATION: San Juan County, New Mexico; 2,000 feet east, 2,200 feet north of the southeast corner sec. 2, T. 31 N., R. 11 W.

RANGE IN CHARACTERISTICS:

Soil moisture - Typically dry in all parts of the soil moisture control section from April 15 to July 1. The soil moisture control section is moist in some part periodically from July through October and moist intermittently from November to April 15. Ustic aridic moisture regime.

Soil temperature - 48 to 52 degrees F.
Particle-size control section: 18 to 35 percent clay

Reaction: neutral in the surface and slightly to moderately alkaline in the subsoil

A horizon -
Hue: 10YR or 2.5Y Value: 5 through 7 dry, 3 through 5 moist
Chroma: 2 through 4
Texture: fine sandy loam, loam, or silt loam

Bt horizon -
Hue: 10YR or 2.5Y
Value: 4 through 6 dry, 3 through 5 moist
Chroma: 2 to6 dry and moist
Texture: loam, sandy clay loam or clay loam

C horizon -
Hue: 10YR or 2.5Y
Value: 5 or 6 dry, 3 through 5 moist
Chroma: 2 to6 dry and moist
Texture: sandy loam, loam, sandy clay loam, clay loam, fine sandy loam, loamy sand, or silty clay loam

Some pedons have accumulations of secondary calcium carbonate.

COMPETING SERIES: Current competitors are the Balon (AZ), Bowbac (WY), Buckle (NM), Cambria (WY), Chilerojo (NM), Cushman (WY), Decolney (WY), Doakum (NM), Forkwood (WY), Fort (CO), Gaddes (AZ), Gapbutte (AZ), Gapmesa (AZ), Hagerman (NM), Hagerwest (NM), Hiland (WY), Mentmore (NM), Oelop (NM), Olney (CO), Palacid (NM), Penistaja (NM), Pokeman (WY), Potts (WY), Pugsley (WY), Quagwa (AZ), Redpen (NM), Spangler (WY), Sundance (CO), Tamarindo (NM), Teckla (WY) and Yenlo (CO) series. Balon and Decolney soils are noncalcareous throughout. Bowbac, Cushman, Gaddes, Gapbutte, Gapmesa, Hagerman, Hagerwest, Pokeman, Pugsley and Spangler soils have lithic or paralithic contacts at moderate depths. Buckle, Doakum, Oelop, Penistaja, and Quagwa soils have Bk horizons in the lower part of the profile. Mentmore soils have accumulations of calcium carbonate and gypsum. Oelop, Palacid, Penistaja and Redpen soils have hue redder than 10YR. Sundance soils have buried paleosol horizons. Teckla soils contain 35 to 70 percent porcelanite rock fragments below a 20 to 40 inch depth. Fort and Yenlo soils have Ck horizons in the lower part of the profile. In addition, the Bowbac, Cambria, Cushman, Decolney, Forkwood, Fort, Hagerman, Hiland, Olney, Pokeman, Potts, Pugsley, Spangler, Sundance, Tekla and Yenlo series are in LRR-G and are more moist in May and June.

GEOGRAPHIC SETTING: Blancot soils are on valley sides and ridges and have slopes of 0 to 8 percent. They formed in moderately fine-textured alluvium and fan alluvium from shale and sandstone. Elevations are 5,600 to 7,000 feet. The climate is semiarid. Mean annual precipitation is typically 10 to 13 inches, however a few areas are as low as 8 or 9 inches; mean annual temperature is 46 to 53 degrees F., and the frost-free period is about 100 to 140 days.

GEOGRAPHICALLY ASSOCIATED SOILS: These are the Avalon, Notal, and Turley soils lack argillic horizons.

DRAINAGE AND PERMEABILITY: Well drained; medium runoff; moderately slow or moderate permeability.

USE AND VEGETATION: Used mainly for rangeland. Present native vegetation is galleta, big sagebrush, blue grama, Indian ricegrass, sand dropseed, alkali sacaton, western wheatgrass and scattered juniper and pinyon.

DISTRIBUTION AND EXTENT: Northwestern New Mexico. MLRA 35. This series is of moderate extent.

MLRA OFFICE RESPONSIBLE: Phoenix, Arizona

SERIES ESTABLISHED: San Juan County, New Mexico, Eastern Part, 1978.

REMARKS: Diagnostic horizons and features recognized in this pedon are:

Ochric epipedon: from 0 to 5 inches.

Argillic horizon: from 5 to 15 inches.

Classified according to Soil Taxonomy Second Edition, 1999.

National Cooperative Soil Survey
U.S.A.

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Mark E. Fesmire, P.E.
Director
Oil Conservation Division

April 17, 2007

Ms. Marcelle Fiedler
Environmental Scientist II
PNM
Alvarado Square
Albuquerque, New Mexico 87158-2104

Re: Notice of Intent to Hydrostatically Test and Discharge
PNM Albuquerque Mainline Pressure Test

Dear Ms. Fiedler:

The New Mexico Oil Conservation Division (OCD) has received the Public Service Company of New Mexico's (PNM) notice of intent (NOI), dated April 11, 2007, to hydrostatically test a portion of the Albuquerque Mainline, a natural gas pipeline that extends from Albuquerque to Bloomfield, New Mexico. The NOI does not provide the sufficient details for the OCD to properly assess and determine whether a permit is required. The following request for additional information is based on the recommended information, suggested by OCD in the January 11, 2007 "Guidelines For Hydrostatic Test Dewatering", for a complete and comprehensive NOI submittal.

1. Please provide the location of the proposed discharge(s), including a street address, if available, and sufficient information to locate the site with respect to surrounding landmarks.

2. Please provide site-specific topographical maps in order to demonstrate that the proposed discharge or collection sites are not within 200 feet of a watercourse, lakebed, sinkhole or playa lake or within 500 feet of a wetland.

3. Please provide a site-specific FEMA map that demonstrates the proposed discharge or collection sites are not within a 100-year floodplain.

4. Please provide a letter and map from the NM Bureau of Mines and Minerals, which confirms that the proposed discharge or collection sites are not within an area overlying a subsurface mine.

5. Please provide a site-specific map that illustrates the location of documented or observed wells near the proposed discharge or collection sites. Also, please provide copies of well logs of the identified well, if available. A proper demonstration shall include the results of a search of the NM Office of the State Engineers database and hardcopy library files and shall include a summary and certification of a visual field survey of the proposed discharge or collection sites.

6. Please provide the most recent available site specific aerial photo and a summary and certification of a visual field survey of the proposed discharge or collection sites in order to

demonstrate that the proposed locations are not within 500 feet from the nearest permanent residence, school, hospital, institution or church.

7. Please provide the operational details and best management practices that will be implemented in the collection, temporary storage, and disposal or recycling of any waste material generated from the chemical cleaning process of the pipeline prior the proposed test. Please provide a brief description of the expected quality and volume of the waste material generated from the proposed cleaning process. Also, please provide current MSDSs for all chemicals proposed for utilization in the cleaning process.

8. Please provide the operational details and best management practices that will be implemented in the transfer of wastewater from the pipeline to the trucks for off-site disposal, if the wastewater does satisfy the standards specified in Section 3103 of 20.6.2 NMAC. If frac tanks are utilized for temporary storage prior to removal and disposal, please submit a plan to ensure that all aboveground tanks have impermeable secondary containment (e.g., liners and berms), which will contain a volume of at least one-third greater than the total volume of the largest tank or all interconnected tanks.

9. Please modify the sampling plan to indicate which parameters will be analyzed. For Option "B", it is recommended to obtain a sample at the end (MP 47.47) of the last section of pipeline and at the beginning (MP 43.3) of the final section after the final section is filled.

10. Please provide the total dissolved solids concentration of the ground water most likely to be affected at each of the proposed sites.

11. Please clearly identify the landowner(s) at and adjacent to each of the proposed discharge and collection/retention sites (Options A and B).

12. Any and all general statements in the NOI must be supported by a citation of publication. Copies of all cited pages must be provided for verification of the accuracy of the general statements. Please provide and reference the sources for the information regarding the geology of the proposed discharge or collection sites.

If there are any questions regarding this matter, please do not hesitate to contact me at (505) 476-3487 or brad.a.jones@state.nm.us.

Sincerely,

Brad A. Jones
Environmental Engineer

BAJ/baj

cc: OCD District IV Office, Santa Fe, NM

demonstrate that the proposed locations are not within 500 feet from the nearest permanent residence, school, hospital, institution or church.

7. Please provide the operational details and best management practices that will be implemented in the collection, temporary storage, and disposal or recycling of any waste material generated from the chemical cleaning process of the pipeline prior the proposed test. Please provide a brief description of the expected quality and volume of the waste material generated from the proposed cleaning process. Also, please provide current MSDSs for all chemicals proposed for utilization in the cleaning process.

8. Please provide the operational details and best management practices that will be implemented in the transfer of wastewater from the pipeline to the trucks for off-site disposal, if the wastewater does satisfy the standards specified in Section 3103 of 20.6.2 NMAC. If frac tanks are utilized for temporary storage prior to removal and disposal, please submit a plan to ensure that all aboveground tanks have impermeable secondary containment (e.g., liners and berms), which will contain a volume of at least one-third greater than the total volume of the largest tank or all interconnected tanks.

9. Please modify the sampling plan to indicate which parameters will be analyzed. For Option "B", it is recommended to obtain a sample at the end (MP 47.47) of the last section of pipeline and at the beginning (MP 43.3) of the final section after the final section is filled.

10. Please provide the total dissolved solids concentration of the ground water most likely to be affected at each of the proposed sites.

11. Please clearly identify the landowner(s) at and adjacent to each of the proposed discharge and collection/retention sites (Options A and B).

12. Any and all general statements in the NOI must be supported by a citation of publication. Copies of all cited pages must be provided for verification of the accuracy of the general statements. Please provide and reference the sources for the information regarding the geology of the proposed discharge or collection sites.

If there are any questions regarding this matter, please do not hesitate to contact me at (505) 476-3487 or brad.a.jones@state.nm.us.

Sincerely,

Brad A. Jones
Environmental Engineer

BAJ/baj

cc: OCD District IV Office, Santa Fe, NM

PNM Resources
Alvarado Square
Albuquerque, NM 87158-2104
www.pnmresources.com
505.241.2031
Fax: 505.241.2376

PNM Resources

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

April 11, 2007

Brad Jones
State of New Mexico - Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

RE: PNM Albuquerque Mainline Pressure Test
Request for Individual permit to Hydrostatically Test and Discharge

Dear Mr. Jones,

The Public Service Company of New Mexico (PNM) proposes to hydrostatically test a portion of the Albuquerque Mainline, a gas pipeline that extends from Albuquerque to Bloomfield in San Juan County, New Mexico. The 12.8 miles of 20-inch pipe will be tested in either one section (Option A) or three sections (Option B) depending on scheduling and budget constraints for the project.

Option "A" would be a test for a minimum of 8 hours for the entire pipeline using approximately 1,045,500 gallons of water from a municipal potable water source. Option "A" would involve a process to chemically clean the pipeline before testing. Option "B" would be to test in three sections using approximately 399,000 gallons of water from a municipal potable water source for the tests. Each test will be a minimum of eight hours and will use the same water. The water sampling plan for Option "A" will involve testing the water at the beginning (MP 34.7), end (MP47.47) and approximately the middle of the one section at an existing above ground isolation block valve (MP 40.8). The water sampling plan for Option "B" will involve testing the water as it is transferred from the second to the last section of pipe and a sample from the last test.

Best Management Practices (BMP) for both options will be implemented by storing the test water in the pipe until a water analysis is complete and pumping the water directly from the pipeline into clean surge tanks (Frac Tanks) and then transferred into trucks for disposal after a water analysis is completed. Once the water analysis is reviewed, test water will be pumped out of the pipe at milepost 34.7, which is within T23N R09W Section 13 for Option "A" and pumped out at milepost 43.3, which is within T22N R08W Section 22 for Option "B". For both options, if the water meets the Water Quality Control Commission standards, PNM will spray the water on the ROW with a sprayer truck. If not, PNM will haul the water to an Oil Conversation Division (OCD) approved disposal location based on the analysis of the test water. PNM will inform the OCD of the specific details (name of facility and permit number) well in advance of the disposal. Hydrostatic testing will occur in July 2007.

Compliance with OCD's siting criteria for Option A are met because:

1. According to State Engineer well records, the recorded depth to water from several wells near the point of discharge are:
    a. T23N R09W Section 12 – 630 feet
    b. T23N R09W Section 25 – 173 feet
    c. T23N R08W Section 27 – 225 feet
    d. T22W R08W Section 23 – 220 feet
2. The nearest waterway is more than 700 feet away,
3. The nearest well is more than 6000 ft away from the discharge site,
4. There are no wetlands within 500 ft, and
5. The discharge will occur at the north end of the line which is greater than 500 ft from any residences, schools, hospitals, or churches.

Compliance with OCD's siting criteria for Option B are met because:

1. According to State Engineer well records, the recorded depth to water from several wells near the point of discharge are:
    a. T22N R08W Section 23 – 220 feet and 790 feet
2. The nearest waterway is more than 500 feet away,
3. The nearest well is more than 4000 ft away from the discharge site,
4. There are no wetlands within 500 ft, and
5. There are no residences, schools, hospitals, or churches within 500 feet of the discharge location.

According to the NM Bureau of Mines and Mineral resources geologic map, the project is within the San Juan Basin in the Nacimiento formation. Soils in the area are Blancot-Notal association gently sloping. The Blancot series consists of very deep, well-drained soils that formed in alluvium and fan alluvium from sandstone and shale. They are on valley sides and ridges. Notal series are very deep, well drained soils on stream terraces on valley floors and alluvial fans on valley sides, fan terraces and small depression of undulating plateaus. They formed in alluvium, stream alluvium and fan alluvium from shale, siltstone, and sandstone (NRCS soils data).

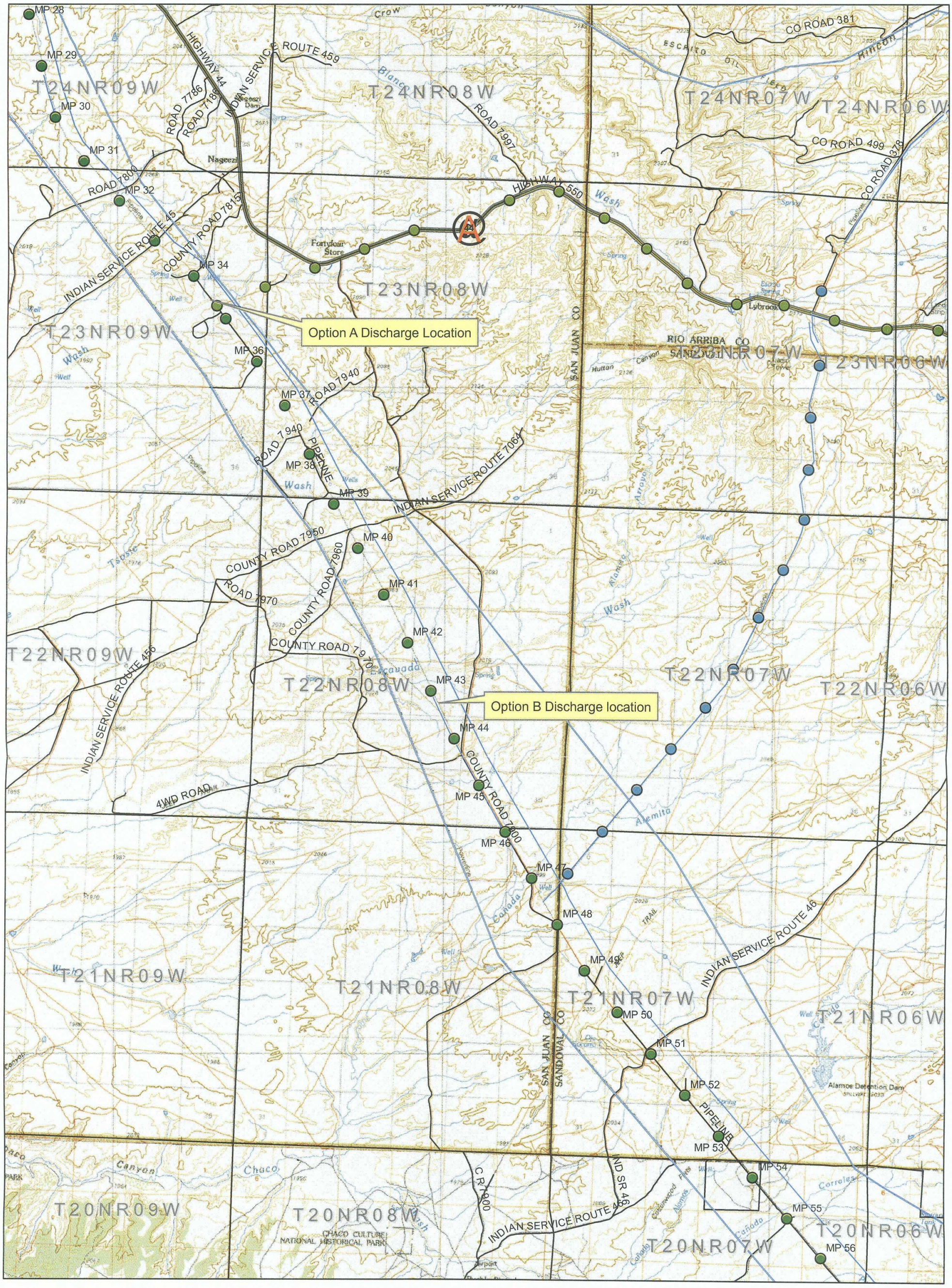
Once PNM receives confirmation from OCD that they have received an administratively complete application, PNM will provide notice of the permit renewal in the Farmington Daily Times following requirements in WQCC 20.6.2.3108. In addition, a sign will be placed at the location of the discharge and at the post office or grocery store in Cuba, New Mexico providing a synopsis of the public notice. The nearest property owners are more than 1/3 of a mile away. Adjacent landowners are BIA and BLM. Both will be notified of the project and hydrostatic testing.

A check for $100 is enclosed for the filing fee for an individual hydrostatic test permit. Thank you in advance for your assistance. If additional information is required please notify me in writing. Please call me at (505) 241-0665 if you have any questions.

Sincerely,

Marcelle Fiedler
Environmental Scientist II
Attachment: Location maps
Cc: ESD/DCC

ABQ ML Uprate
Hydrostatic Test Locations



ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

I hereby acknowledge receipt of check No. _____ dated 4/12/07

or cash received on _____ in the amount of $ 100 00

from PNM

for HIP-106

Submitted by: Lawrence Romero Date: 4/18/07

Submitted to ASD by: Lawrence Romero Date: 4/18/07

Received in ASD by: _____ Date: _____

Filing Fee _____ New Facility _____ Renewal _____

Modification _____ Other _____

Organization Code 521.07 Applicable FY 2004

To be deposited in the Water Quality Management Fund.

Full Payment _____ or Annual Increment _____

If you have any questions about this payment please contact:

PNM UTILITY
Accounts Payable, MS 0720
Alvarado Square
Albuquerque, NM 87158

BANK #	CHECK DATE	VENDOR NO.	CHECK NO.
615	Apr/12/2007	0000011449	131295

INVOICE #	DATE	AMOUNT	DISC.	NET AMT	VOUCHER ID	REMARKS
040307	Apr/03/2007	100.00	0.00	100.00	00073289	

CALL VELMA CRUZ AT 2031

Total Gross Amount	Total Discounts	Total Paid Amount
$100.00	$0.00	$100.00