HIP - __113__

GENERAL CORRESPONDENCE

YEAR(S): 2008 to Present

New Mexico Energy, Minerals and Natural Resources Department

Bill Richardson
Governor

Joanna Prukop
Cabinet Secretary
Reese Fullerton
Deputy Cabinet Secretary

Mark Fesmire
Division Director
Oil Conservation Division

October 31, 2008

Mr. Kenneth Marrow
El Paso Natural Gas Company
2316 West Bender Blvd.
Hobbs, New Mexico 88240

Re: Hydrostatic Test Discharge Permit HIP-113
El Paso Natural Gas Company
Pipeline Numbers L30148 and L30101
Location: Sections 24, 25, and 36, Township 19 South, Range 36 East, and Section 1, Township 20 South, Range 36 East, NMPM
Lea County, New Mexico

Dear Mr. Marrow:

The New Mexico Oil Conservation Division (OCD) has received El Paso Natural Gas Company's (EPNG) revised notice of intent, dated September 24, 2008, for authorization to discharge approximately 326,000 gallons of wastewater generated from a hydrostatic test of approximately 5.8 miles of a new 16-inch natural gas transmission pipeline L30131 and 7.3 miles of an existing 20-inch natural gas transmission pipeline L30148, approximately 11 miles southwest of Hobbs, New Mexico. The proposed collection and discharge areas are located within Sections 24, 25, and 36 of Township 19 South, Range 36 East and Section 1 of Township 20 South, Range 36 East, NMPM, Lea County, New Mexico.

Based on the information provided in the request, the hydrostatic test water discharge **is hereby approved** with the following understandings and conditions:

1. EPNG will be testing approximately 5.8 miles of a new 16-inch natural gas transmission pipeline L30131 and 7.3 miles of an existing 20-inch natural gas transmission pipeline L30148, approximately 11 miles southwest of Hobbs, New Mexico.
2. Source of the hydrostatic test water will be obtained from EPNG's Monument Well. Based the laboratory analytical results and on the information provided in the request; OCD identifies the Monument Well as an approved water source for this hydrostatic test.
3. Hydrostatic test water generated from the test will be temporarily stored in 23 temporary frac tanks within Section 1 of Township 20 South, Range 36 East, NMPM, Lea County, New Mexico awaiting the continued testing of pipeline L30148 and analytical testing.
4. EPNG shall implement best management practices in order to prevent the release of any hydrostatic test wastewater.
5. EPNG will secure a sample from the temporary frac tanks and immediately analyzes it at a certified laboratory.
6. All analyzes of samples from wastewater generated from the test must not exceed the standards as set forth in Subsections A, B, and C of the 20.6.2.3103 NMAC.
7. Test results will be sent to the OCD for review and subsequent approval or disapproval for the test water to be discharged.

8. If final discharge of the test water is not approved by the OCD, ENPG will transport the hydrostatic test water to an OCD approved facility for disposal or treat the wastewater to OCD's approved specifications for discharge.
9. If final discharge of the wastewater is approved, the discharge shall occur on the easement right-of-way located within Sections 24, 25, and 36 of Township 19 South, Range 36 East and Section 1 of Township 20 South, Range 36 East, NMPM, Lea County, New Mexico.
10. If final discharge of the wastewater is approved, no hydrostatic test water generated from the test will be discharged to groundwater.
11. If final discharge of the wastewater is approved, no discharge shall occur:
    a. where ground water is less than 10 feet below ground surface.
    b. within 200 feet of a watercourse, lakebed, sinkhole or playa lake;
    c. within an existing wellhead protection area;
    d. within, or within 500 feet of a wetland; or
    e. within 500 feet from the nearest permanent residence, school, hospital, institution or church;
12. EPNG shall report all unauthorized discharges, spills, leaks and releases of hydrostatic test water and conduct corrective action pursuant to WQCC Regulation 20.6.2.1203 NMAC and OCD Rule 116 (19.15.3.116 NMAC).

It is understood that the hydrostatic test will begin approximately November 1, 2008. **This permit will expire in 120 calendar days.** This permit may be revoked or suspended for violation of any applicable provisions and/or conditions of the permit.

This approval does not relieve EPNG of responsibility should its operation result in pollution of surface water, ground water, or the environment. In addition, OCD approval does not relieve EPNG of responsibility for compliance with other federal, state or local regulations.

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

Sincerely,

Wayne Price
Environmental Bureau Chief

LWP/baj

cc: OCD District I Office, Hobbs

THE SANTA FE
NEW MEXICAN
Founded 1849

NM EMNRD Oil Consv.
Brad Jones
1220 S. St. Francis Drive
Santa Fe, NM 87505

ALTERNATE ACCOUNT: 56689
AD NUMBER: 00269563 ACCOUNT: 00002212
LEGAL NO: 86074 P.O. #: 52100-00000137
258 LINES 1 TIME(S) 225.12
AFFIDAVIT: 7.00
TAX: 18.42
TOTAL: 250.54

AFFIDAVIT OF PUBLICATION

STATE OF NEW MEXICO
COUNTY OF SANTA FE

I, L. Paquin, being first duly sworn declare and say that I am Legal Advertising Representative of THE SANTA FE NEW MEXICAN, a daily newspaper published in the English language, and having a general circulation in the Counties of Santa Fe and Los Alamos, State of New Mexico and being a newspaper duly qualified to publish legal notices and advertisements under the provisions of Chapter 167 on Session Laws of 1937; that the publication # 86074 a copy of which is hereto attached was published in said newspaper 1 day(s) between 10/03/2008 and 10/03/2008 and that the notice was published in the newspaper proper and not in any supplement; the first date of publication being on the 3rd day of October, 2008 and that the undersigned has personal knowledge of the matter and things set forth in this affidavit.

/S/ L. Paquin
LEGAL ADVERTISEMENT REPRESENTATIVE

Subscribed and sworn to before me on this 13rd day of October, 2008

Notary Pamela Anne Beach

Commission Expires: May 31, 2011

Ok to pay 10/22/08

OFFICIAL SEAL
Pamela Anne Beach
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires: 5-31-11

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:

(HIP-113) El Paso Natural Gas Company (EPNG) of 2316 West Bender Blvd., Hobbs, New Mexico 88240, 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 hydrostatically testing approximately 5.8 miles of a new 16-inch natural gas transmission pipeline L30131 and approximately 7.3 miles of an existing 20-inch natural gas transmission pipeline, L30148, approximately 11 miles southeast of Hobbs, New Mexico. EPNG will obtain water for the hydrostatic test from its Monument well. EPNG will remove the hydrostatic test wastewater from the pipelines and temporarily store the wastewater within Section 1 of Township 20 South, Range 36 East, NMPM, Lea County, New Mexico and discharged it within the pipeline easement right-of-way located within Section 1 of Township 20 South, Range 36 East and Sections 24, 25, and 36 of Township 19 South, Range 36 East, NMPM, Lea County, New Mex-

ico. This area is located 2.5 miles west of State Route 8, from Monument, New Mexico, on County Road (CR) 42 near the intersection with CR 46. The discharge will take place along the easement right-of-way for an approximate distance of 1.5 miles north of this intersection and an approximate distance of 1.5 miles south of this intersection. Approximately 326,000 gallons of wastewater will be generated from the hydrostatic test, and tested prior to discharge or disposal. Due to the new pipe, the pre-cleaning of the old pipe, and source water to be used during the testing, the discharge water is expected to meet Water Quality Control Commission (WQCC) water quality standards. If WQCC water quality standards are not met the test wastewater will be treated to the standards for discharge or hauled to an approved disposal location. Groundwater most likely to be affected by an accidental discharge is at a depth of approximately 40 to 59 feet below ground surface with a total dissolved solids concentration of approximately 707 to 4230 mg/l. The plan consists of a description of the method and location for retention, and testing of water and solids, 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 29th day of September, 2008.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

S E A L
Mark Fesmire,
Director
Legal No. 86074
Pub. Oct. 3, 2008

ACKNOWLEDGEMENT OF RECEIPT
OF CHECK/CASH

I hereby acknowledge receipt of check No. _____ dated 10/2/08

or cash received on _____ in the amount of $ 600 00

from EL PASO NATURAL GAS

for HIP-113 General Permit Fee

Submitted by: Laurergie Romero Date: 10/10/08

Submitted to ASD by: Laurergie Romero Date: 10/10/08

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 _____

elpaso

October 6, 2008

UPS Tracking#
1Z8010391346972048

New Mexico Energy, Minerals, and Natural Resources Dept.
Oil Conservation Division
1220 South Francis Drive
Santa Fe, New Mexico 87505
(505) 476-3465 office
(505) 476-3462 fax

Re: General Permit Fee for El Paso Natural Gas Company's Hydrostatic Test Discharge Permit# HIP-113

Dear Mr. Brad Jones:

El Paso Natural Gas Company (EPNG) is pleased to submit a check for the general permit fee for the Hydrostatic Test Discharge Permit# HIP-113. While the New Mexico Oil Conservation Division has not invoiced EPNG for the general permit fee yet, EPNG is forwarding the check early in an effort to secure the hydrostatic test discharge permit as quickly as possible after the close of the 30-day public notice period. As requested, the enclosed check is for the amount of $600.00 and has been made out to the "Water Quality Management Fund".

Please contact me at (432) 686-3268 if you have any questions regarding the attached check. EPNG appreciates the guidance you have provided throughout the application process.

Respectfully,

El Paso Natural Gas Company

Glen Thompson

Glen Thompson
Principal Environmental Representative

enc
cc: Mark Haag – Project Engineer, EPNG
Kenny Morrow – Plains Area Operations Manager, EPNG
Sandra Miller- Environmental Manager PWED, EPNG

El Paso Corporation
PO Box 1087 Colorado Springs, Colorado 80944
tel 719.473.2300 fax 719.520.4318

EL PASO NATURAL GAS COMPANY
P.O. BOX 4430
HOUSTON, TX 77210-4430

REMITTANCE ADVICE

CHECK DATE	10/02/2008
CHECK NUMBER	07568315
VENDOR NUM	0000002667

NEW MEXICO WATER QUALITY MANAGEMENT FUND
C/O NM OIL CONSERVATION DIVISION
1220 S SAINT FRANCIS DR
SANTA FE, NM 87505

RETAIN FOR YOUR RECORDS

Refer Payment Inquires to EPGTR - 713-420-4200

Voucher ID	Invoice Number	Invoice Date	Discount	Paid Amount
00352119	CKREQ080930	09/30/2008	0.00	600.00
	HYDROSTATIC TEST DISCHARGE PERMIT HIP - 113			
		TOTAL	$0.00	$600.00

Advertising Receipt

Hobbs Daily News-Sun
201 N Thorp
P. O. Box 936
Hobbs, NM 88241

Phone: 575-393-2123
Fax: 575-397-0610

NM OIL CONSERVATION DIVISION,
JIM GRISWOLD
1220 S. SAINT FRANCIS DR.
SANTA FE , NM 87505

Acct #: 01101546
Ad #: 00018057
Phone: (505)476-3492
Date: 09/29/2008
Ad taker: C2 **Salesperson:** 08

Sort Line: #24429/52100-0000013762 **Classification:** 673

Description	Start	Stop	Ins.	Cost/Day	Total
07 07 Daily News-Sun	10/01/2008	10/01/2008	1	131.04	131.04

Ad Text:

LEGAL
OCTOBER 1, 2008
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:

Payment Reference:

Total:	131.04
Tax:	8.76
Net:	139.80
Prepaid:	0.00
Total Due	139.80

Affidavit of Publication

State of New Mexico,
County of Lea.

I, KATHI BEARDEN
PUBLISHER
of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period

of 1 issue(s).
Beginning with the issue dated
October 01, 2008
and ending with the issue dated
October 01, 2008

PUBLISHER
Sworn and subscribed to before me
this 2nd day of
October, 2008

Notary Public

My commission expires
February 07, 2009
(Seal)

OFFICIAL SEAL
DORA MONTZ
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires:

This newspaper is duly qualified to publish legal notices or advertisments within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said publication has been made.

01
JI
N
12

LEGAL
OCTOBER 1, 2008
NOTICE OF PUBLICATION

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

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GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 29th day of September, 2008.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION
Mark Fesmire, Director

S E A L
#24429
SANTA FE, NM 87505

KLEINFELDER
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DOCUMENT TRANSMITTAL FORM

TO:	Mr. Brad Jones NM Energy, Minerals, and Natural Resources OCD 1220 St. Francis Drive Santa Fe, NM 87505	RECEIVED 2008 OCT 16	**PAGE**	1	**OF** 1
			TRANSMITTAL DATE:	10/15/08	
			TRANSMITTAL DCN:	93123.2-ALB08TS001	
RETURN RESPONSES/COMMENTS TO:		David Janney			
RETURN RESPONSES/COMMENTS BY:		October 29, 2008			

PROJECT NO.:	93123	**PROJECT NAME:**	**Public Notice**
ACTIVITY/DESCRIPTION:			

DOCUMENTS BEING TRANSMITTED

ITEM	REV.	PAGES	DATE	DESIGNATOR
Hobbs Lateral Hydrostatic Test Public Notice Photographs	0	6	10/15/08	93123.2-ALB08LT001

INSTRUCTIONS/REMARKS

- ☐ Mark previous issues "obsolete", "superseded", or uncontrolled"
- ☐ Destroy previous affected material
- ☐ Return old material with this record
- ☒ New issue (no previous copies received)
- ☐ Replace with revised/new material
- ☐ Maintain as controlled copy
- ☐ Not Applicable

RECEIPT AND READ ACKNOWLEDGEMENT PLEASE COMPLETE AND RETURN WITHIN 15 WORKING DAYS TO:

KLEINFELDER DOCUMENT CONTROL CENTER

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

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

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DOCUMENT TRANSMITTAL FORM

TO:	Mr. Brad Jones NM Energy, Minerals, and Natural Resources OCD 1220 St. Francis Drive Santa Fe, NM 87505	PAGE	1	OF	1
		TRANSMITTAL DATE:	10/15/08		
		TRANSMITTAL DCN:	93123.2-ALB08TS001		
RETURN RESPONSES/COMMENTS TO:		David Janney			
RETURN RESPONSES/COMMENTS BY:		October 29, 2008			

PROJECT NO.:	93123	PROJECT NAME:	Public Notice
ACTIVITY/DESCRIPTION:			

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8300 Jefferson NE, Suite B
Albuquerque, NM
87113

p| 505.344.7373
f | 505.344.1711

kleinfelder.com

October 15, 2008
File No. 93123.2-ALB08LT001

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

SUBJECT: Hobbs Lateral Hydrostatic Test Public Notice Photographs

Dear Mr. Jones:

Kleinfelder West, Inc. (Kleinfelder) on behalf of the El Paso Natural Gas Company (EPNG) is pleased to submit for your review the attached photographs showing the placement of public notice signs at and around the discharge site, and at the Monument, New Mexico Post Office.

The following are attached:

- Ten Public Notice photographs.

Should you have any questions, please feel free to contact Marco Wikstrom or David Janney (Kleinfelder) at (505) 344-7373, or Glen Thompson (EPNG) at (432) 686-3268.

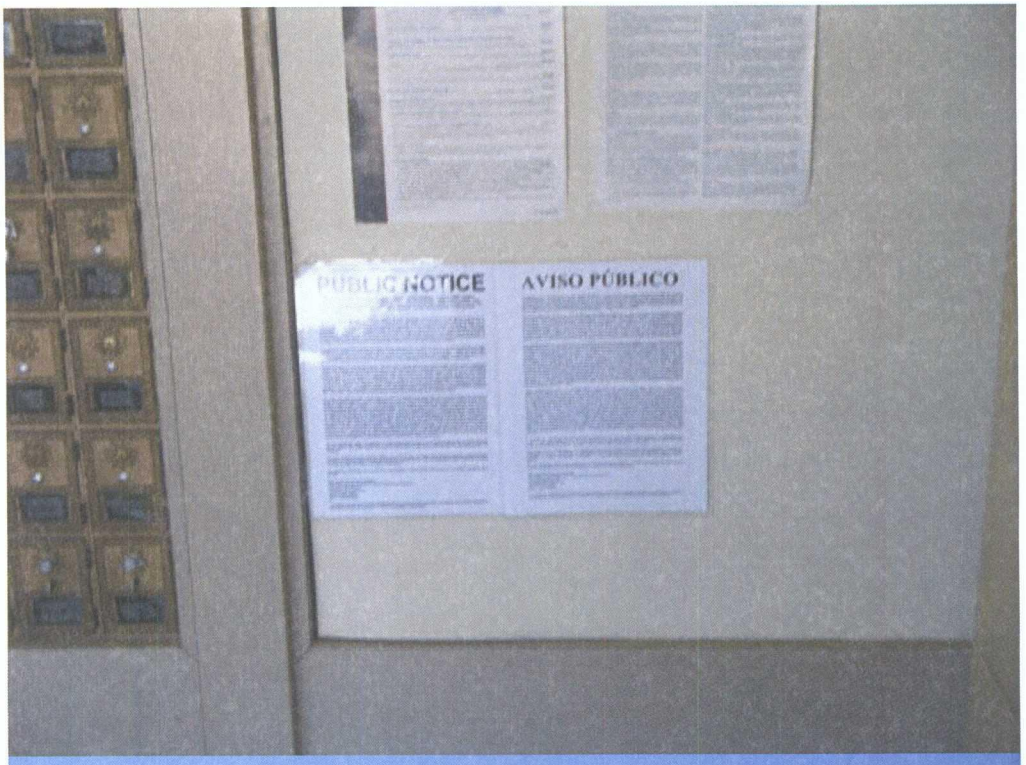
Sincerely,
KLEINFELDER WEST, INC.

Marco Wikstrom
Staff Geologist

Reviewed by:

David Janney, P.G.
Project Manager


NOTICE
AVISO PUBLICO




PEARL VALLEY
STOP


STOP
PUBLIC NOTICE

New Mexico Energy, Minerals and Natural Resources Department

Bill Richardson
Governor

Joanna Prukop
Cabinet Secretary
Reese Fullerton
Deputy Cabinet Secretary

Mark Fesmire
Division Director
Oil Conservation Division

September 29, 2008

Mr. Kenneth Marrow
El Paso Natural Gas Company
2316 West Bender Blvd.
Hobbs, New Mexico 88240

Re: Hydrostatic Test Discharge Permit HIP-113
El Paso Natural Gas Company
Pipeline Numbers L30148 and L30101
Location: Sections 24, 25, and 36, Township 19 South, Range 36 East, and Section 1, Township 20 South, Range 36 East, NMPM
Lea County, New Mexico

Dear Mr. Marrow:

The New Mexico Oil Conservation Division (OCD) has received El Paso Natural Gas Company's (EPNG) revised notice of intent, dated September 24, 2008, for authorization to discharge approximately 326,000 gallons of wastewater generated from a hydrostatic test of approximately 5.8 miles of a new 16-inch natural gas transmission pipeline L30131 and 7.3 miles of an existing 20-inch natural gas transmission pipeline L30148, approximately 11 miles southeast of Hobbs, New Mexico. The proposed collection and discharge areas are located within Sections 24, 25, and 36 of Township 19 South, Range 36 East and Section 1 of Township 20 South, Range 36 East, NMPM, Lea County, New Mexico. The submittal provided the required information in order to deem the application "administratively" complete. The OCD approves the Hobbs News Sun as the newspaper of general circulation for the published notice and the discharge and collection locations and the post office in Monument, 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

cc: OCD District I Office, Hobbs

KLEINFELDER
Bright People. Right Solutions.

RECEIVED
2008 OCT 6 PM 3 34

DOCUMENT TRANSMITTAL FORM

TO:	Mr. Brad Jones NM Energy, Minerals, and Natural Resources OCD 1220 St. Francis Drive Santa Fe, NM 87505	PAGE	1	OF	1
		TRANSMITTAL DATE:	10/03/08		
		TRANSMITTAL DCN:	93123.1-ALB08TS001		

RETURN RESPONSES/COMMENTS TO:	David Janney
RETURN RESPONSES/COMMENTS BY:	October 17, 2008

PROJECT NO.:	93123	PROJECT NAME:	NOI
ACTIVITY/DESCRIPTION:			

DOCUMENTS BEING TRANSMITTED

ITEM	REV.	PAGES	DATE	DESIGNATOR
Resubmittal of NOI for the Discharge of Hydrostatic Test Water Pipeline Numbers L30148 and L30131 Lea County, New Mexico	0	48	9/24/08	93123.1-ALB08RP001

INSTRUCTIONS/REMARKS

- ☐ Mark previous issues "obsolete", "superseded", or uncontrolled"
- ☐ Destroy previous affected material
- ☐ Return old material with this record
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- ☒ Replace with revised/new material
- ☐ Maintain as controlled copy
- ☐ Not Applicable

RECEIPT AND READ ACKNOWLEDGEMENT
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RETURN RESPONSES/COMMENTS BY:	October 17, 2008				

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ACTIVITY/DESCRIPTION:			

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Albuquerque, NM
87113

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September 24, 2008
File No. 93123.1-ALB08RP001

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

Subject: **Resubmittal of Notice of Intent for the Discharge of Hydrostatic Test Water, Pipeline Numbers L30148 and L30131, Lea County, New Mexico**

Dear Mr. Jones:

On behalf of El Paso Natural Gas Company (EPNG) Kleinfelder West, Inc. (Kleinfelder) is pleased to resubmit this Notice of Intent (NOI) to discharge hydrostatic test water.

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

- Background information;
- Hydrostatic Test Water Discharge Plan;
- Figure 1, Regional Site Location Map;
- Figures 2a, 2b, 2c, and 2d, Pipeline Section and Discharge Location Maps;
- Figure 3, Water Storage Tank Location Maps;
- Figure 4, Groundwater Atlas; Pecos River Basin;
- Figure 5, Property Owner Map;
- Table 1, EPNG Groundwater Sample Results;
- Appendix A, MSD Sheet for N-Spec 120 Cleaner;
- Appendix B, Certification of Siting Criteria;
- Appendix C, Public Notice text in Spanish and English;
- Appendix D, Monument station well analytical results;
- Appendix E, Copy of email from the New Mexico Abandoned Mine Lands Program; and
- Appendix F, Copies of letter and email from the New Mexico State Land Office, Hobbs District.

Public notice will be posted in accordance with NMAC 20.6.2.3108 at the staging area sites (Figures 2c and 3), in the Monument, NM Post Office, and published in the Hobbs News Sun newspaper.

Should you have any questions, please feel free to contact Marco Wikstrom or David Janney at (505) 344-7373.

Sincerely,
KLEINFELDER WEST, INC.

for Marco Wikstrom
Staff Geologist

Reviewed by:

for Barbara Everett, R.G., P.G.
Program Manager

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Local Representative (Alt.)	Tim Howell El Paso Natural Gas Company 2316 W. Bender Blvd. Hobbs, NM 88240 (505) 492-3128
Operator	El Paso Natural Gas Company Plains Operating Area
Mailing Address	El Paso Natural Gas Company Plains Operating Area 2316 W. Bender Blvd. Hobbs, NM 88240

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

Proposed land application of hydrostatic test water will occur on the L30148 pipeline right of way between MP-0.5 and MP-2.5, a total of 2.0 miles (Figure 2c).

No water will be discharged within the radii outlined in item e, within 200 feet of any publicly maintained roadway, or within a wellhead protection area. Non-discharge areas along the course of the pipeline right of way will be posted with signs or flagging to alert tank truck drivers as to where and where not they can discharge.

Item c. Legal description of the discharge location;

The proposed discharge will occur on the pipeline right-of-way in portions of the following sections in Lea County, NM (Figure 5 and item o.):

Section 1, Township 20 South, Range 36 East
Section 36, Township 19 South, Range 36 East
Section 25, Township 19 South, Range 36 East
Section 24, Township 19 South, Range 36 East

Portions of the following sections in Lea County, NM are within 1/3-mile of the discharge (Figure 5 and item o.):

Section 6, Township 20 South, Range 37 East
Section 30, Township 19 South, Range 37 East
Section 19, Township 19 South, Range 37 East
Section 31, Township 19 South, Range 37 East

Introduction and removal of discharge water will occur, and water storage tanks will be located within the staging areas in portions of the the following sections in Lea County, New Mexico:

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Monument Well Water - Section 13, Township 19 South, Range 36 East
Used Hydrostatic Test Water - Section 1, Township 20 South, Range 36 East

(See Figures 2c, 2d, and 3 for discharge locations and staging areas.)

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

Figure 1 is a regional map showing the general location of the L30148 and L30131 pipelines to be hydrostatically tested. Figures 2a, 2b, 2c, and 2d are site-specific maps showing topography, the pipelines, the test water storage locations, and the discharge locations.

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

i. Within 200 feet of a watercourse, lakebed, sinkhole, or playa lake;

ii. Within an existing wellhead protection area or 100-year floodplain;

iii. Within, or within 500 feet of, a wetland;

iv. Within the area overlying a subsurface mine; or

v. Within 500 feet from the nearest permanent residence, school, hospital, institution or church.

None of the above listed features are present within the required radius limits of the proposed discharge. A search for surrounding water wells was completed to satisfy a portion of this requirement. The WATERS database at the Office of the State Engineer was used in this search and was re-accomplished on July 22, 2008. According to the search, no water wells are located within wellhead protection area radii of the proposed discharge area or staging areas.

Mr. Mike Thomson with the New Mexico Abandoned Mine Lands Program (505-476-3427) was contacted to assess the presence of abandoned subsurface mines in the vicinity of the discharge location and water storage tank staging areas. He searched records and spoke with colleagues to determine if subsurface mines were present. According to Mr. Thomson, there is no evidence of subsurface mines in these areas. A copy of an email from Mr. Thomson is attached in Appendix E.

In addition, Mr. Mark Haag, El Paso Natural Gas Principal Engineer, performed a discharge site visit to look for the presence of watercourses, lakebeds, sinkholes, playa lakes, wells, wetlands, residences, schools, hospitals, institutions, mines and churches. According to Mr. Haag, these items were not observed within the prescribed distances of any proposed discharge location. State Highway 322 crosses the discharge ROW at approximately MP-0.95, and County Road 43 crosses the ROW at approximately MP-2.15. A Certification of Site Criteria from Mr., Haag is attached in Appendix B.

No Federal Emergency Management Administration (FEMA) Flood Insurance Rate Maps of the subject site are available.

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No water will be discharged within the radii outlined above (items i. through v.) or within 200 feet of any publicly-maintained roadway. The non-discharge areas within 200 feet of the road crossings will be posted with signs or flagging to alert tank truck drivers as to where and where they cannot discharge.

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

Pressure testing with water, known as hydrostatic testing, is one of the tools pipeline operators use to verify pipeline integrity. The test involves purging the natural gas from the pipeline, cleaning the pipeline with an aqueous, non-hazardous cleaning fluid, filling the pipeline with water, then pressurizing the pipeline to a pressure higher than the standard operating pressure for a specified duration of time. The purpose of hydrostatic testing in a pipeline is to determine the extent to which potential defects might threaten the pipeline's ability to sustain maximum allowable operation pressure (MAOP). If leaks or breaks occur, the pipeline is repaired or replaced and then retested. The United States Department of Transportation (USDOT) requires periodic pressurized tests on all USDOT-regulated pipelines and for any newly installed pipelines to verify the integrity and safety of pipeline systems. Approximately 346,000 gallons of fresh water will be supplied for the hydrostatic tests and pipeline cleaning by the EPNG-owned "Monument" well. This water has been sampled and analyzed for the constituents listed in Item j (Appendix D).

Prior to hydrostatic testing of the existing L30131 pipeline, the pipeline will be cleansed using a non-hazardous aqueous cleaning fluid, N-Spec 120 (please see the attached MSD sheet under Appendix A) and then thoroughly rinsed with water from the Monument well to remove any residual cleaning solution, oil, or deleterious substances. It is anticipated that the volume of cleaning solution and rinseate together will not exceed 20,000 gallons. This cleaning fluid and rinseate will be introduced at Mile Post-6 (MP-6) of the L30131 pipeline, located in Sec. 1; T 20 S; R 36 E. The cleaning solution and rinse water will be removed at Valve No. 1, MP-0 on the L30131 and the water will be temporarily stored for characterization in a frac-tank at this location. Following characterization, the water will be transported to Safety-Kleen in Midland, Texas for proper disposal (see item k).

Since the L30148 (Hobbs Lateral) section is new pipeline made of new materials, there will be no cleansing of this section of pipeline.

Approximately 326,000 gallons of water from EPNG's Monument well will be stored in frac tanks in the pipe lay down storage yard 2,400 feet north of MP-3.953 in Section 13, Township 19 South, Range 36 East (Figures 2c and 3).

Two adjacent sections of pipeline will be tested:

1. Approximately 326,000 gallons of potable water from the frac tanks in the lay down yard near MP-3.953 will enter L30148 and will be used to hydrostatically test L30148 from MP-3.953 to EOL (northern half of the pipeline). This water will then be transferred within the pipeline to the southern half of L30148 to test the southern half of this pipeline from MP-0 to MP-3.953. After the testing of this pipeline is complete the water will be transferred to frac tanks at MP-0 of 30148 which coincides with MP-6 of

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30131 in Sec. 1; T 20 S; R 36 E until it can be used to test L30131(Figures 2c and 3).

2. If timing allows, instead of transferring the water to the frac tanks in Sec. 1; T 20 S; R 36 E, the water will be transferred directly to L30131. If timing does not allow, this water will be transferred into the frac tanks in Sec. 1; T 20 S; R 36 E and used later to hydrostatically test L30131. Following testing of L30131, the test water will be transferred back into to the frac-tanks located in Sec. 1; T 20 S; R 36 E. The water will be sampled and analyzed according to the protocol outlined in "item j". NMOCD will review of the analytical results and if the test water meets the requirements of New Mexico Water Quality Control Commission Regulations 20.6.2.3103, sections A, B, and C, NMAC it will be discharged onto a portion of the L30148 pipeline right of way (Figures 2c and 2d also see items b and c).

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

The 20,000 gallons of N-Spec 120 cleaning solution and rinse water used to clean the L30131 will be removed via a hose attached to Valve No. 1, MP-0 L30131 and be temporarily stored for characterization in a frac-tank at this location.

The 326,000 gallons of fresh water to be used for hydrostatic testing of both L30131 and 30148 will be stored in frac tanks in Section 13, Township 19 South, Range 36 East *before* hydrostatic testing, then in Section 1, Township 20 South, Range 36 East, *after* hydrostatic testing. Seventeen frac tanks will be staged in the NE/4 of Sec 13; T 19 S, and 23 frac tanks will be staged in the N/2 of Sec. 1; T 20 S; R 36 E (Figures 2c and 3).

The frac tank staging area within the NE/4 of Section 13, Township 19 South, Range 36 East will cover an area approximately 100 feet by 125 feet, or 12,500 square feet, and will be located approximately 2,400 feet north of MP-3.953 (Figure 3).

The frac tank staging area in Section 1, Township 20 South, Range 36 East will cover an area approximately 100 feet by 125 feet, or 12,500 square feet, and will be centered approximately 60 feet to the east of MP-0 of L30148. This staging area is located within a 5-acre environmentally surveyed area on State-owned property (Figures 3 and 5). A letter from the New Mexico State Land Office, Hobbs District, giving EPNG permission to use the land for this staging area is included in Appendix F.

Solids are not anticipated to be produced from the hydrostatic testing.

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

After the NMOCD approves the discharge, EPNG will utilize tanker trucks, equipped with water separator bars to discharge the water onto EPNG's pipeline right-of-way (Figures 2b, 2c, and 2d). No water will be allowed to run off of the

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right-of-way or cause erosion. Discharge of the water will be performed within the right of way of L30148 between MP-0.5 and MP-2.5 (Figure 2c). The discharge locations will be well outside of the setback distances described in Items b and e, and signs or flagging will be placed along the route to alert tank truck drivers as to where and where not they can discharge.

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

In the event that the hydrostatic test water is found to be unsuitable for land application, it will be treated by filtration through activated charcoal and/or other applicable media until it meets the NMOCD standards outlined in NMAC 20.6.2.3103 subsections A, B, and C and then applied to the land surface on the designated discharge area after recieving NMOCD approval.

Item j. A proposed hydrostatic test wastewater sampling plan;

Analytical sampling for the hydrostatic test water will consist of one baseline sample from the water source, and two composite pre-discharge samples.

Analytical data from the baseline samples will help to establish initial quality of the test water before introduction to the pipelines (Appendix D).

Analytical data from the post-hydrostatic test water will be used to determine if the water is suitable for discharge:

20,000 gallons of N-Spec 120 cleaning solution and rinse water used to clean the L30131 will be removed via a hose attached to Valve No. 1, MP-0 L30131 and be temporarily stored for characterization in a frac-tank at this location.

1. After cleaning and rinsing, the 20,000 gallons of N-Spec 120 cleaning solution and rinse water used on the L30131 pipeline will be transferred into a frac-tank and a pre-disposal sample will be collected and submitted to an EPA-approved analytical laboratory.
2. After the hydrostatic tests of L30131 and L30148, the approximately 326,000 gallons of water will be transferred from the pipeline into frac-tanks located in Sec. 1; T 20 S; R 36 E (Figures 2b and 3). A pre-discharge composite sample will be collected from these tanks and submitted to an EPA-approved analytical laboratory.

The sample of N-Spec cleaning fluid and rinseate solution used to clean L30131 will be analyzed for corrosivity, ignitability, reactivity, and toxicity.

Both baseline and pre-discharge hydrostatic test water samples will be analyzed to ensure that it meets standards outlined in NMAC 20.6.2.3102, sections A, B, and C. Analytical results will be submitted to the NMOCD presenting the results and making a recommendation for disposal of the hydrostatic test water.

Item k. A proposed method of disposal of fluids and solids after test completion, including closure of any pits, in case the water generated from test exceeds the standards as set forth in Subsections A, B, and C of the

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20.6.2.3103 NMAC (the New Mexico Water Quality Control Commission Regulations);

All fluids will be containerized, tested and then discharged or transported for disposal as described under item i. and f. No solid waste is anticipated. In the event that the hydrostatic test water is found to be unsuitable for land application, it will be treated by filtration through activated charcoal and/or other media as appropriate until it meets the NMOCD standards outlined in NMAC 20.6.2.3103 subsections A, B, and C. Analytical results will be submitted to the NMOCD presenting the results and making a recommendation for disposal of the hydrostatic test water.

The 10,000 gallons of cleaning solution and 10,000 gallons of rinseate water used to clean L30131 before hydrostatic testing will be transported off-site via USDOT-approved tanker trucks for treatment and disposal at Safety Kleen of Midland, Texas, EPA #396090019, transporter #TXD 062287883. Safety Kleen, 10607 West County Road 127, PO Box 60756, Midland, TX 79711, phone: (432) 563-2305.

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

The discharge will be tested in accordance with the guidelines noted in Item j. to assess if the constituent concentrations in the water meet the New Mexico Water Quality Control Commission Regulations 20.6.2.3103, subsections A, B, and C. The approximate volume of the discharge is expected to be 326,000 gallons. Based on historical data collected from previous hydrostatic test events using similar cleaning techniques before introducing the test water, the quality of the discharged water is expected to meet regulatory limits.

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

The proposed discharge is located in an area with little topographic relief. Rock below the area consists of clastic, carbonate, and evaporate sedimentary rocks ranging from Ordovician through Triassic in age. The Permian-age formations are an important local source of oil and natural gas. These rocks are draped by alluvial sediments of Quaternary age ranging from 30 to 60 feet in thickness consisting of sand, gravel, silt, and clay.

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

Site Hydrology

The proposed discharge is located in the Pecos River Basin in southern Lea County, New Mexico (Figure 4). The area has no perennial streams, but there are a few ephemeral streams and broad drainages.

Site Hydrogeology

Groundwater is encountered at a depth of 40 to 59 feet below the ground surface (domestic well owned by Mr. James Byrd, located in the NE/4; NE/4; NE/4; Sec 1;

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T20S; R36E, and a commercial well owned by Chevron USA located in the NE/4; SE/4; Sec 24; T 19S; R 36E). The Ogallala Formation containing the Ogallala aquifer is the principal source of domestic and industrial water in the area. The Ogallala Formation overlies the relatively impermeable Chinle Formation and dips to the southeast, generally parallel to the underlying Chinle Formation and present-day subsurface. The Ogallala aquifer is unconfined in some areas where it comes in contact with Pleistocene alluvium. The general hydraulic gradient of 10 to 12 feet per mile (approximately 0.002 ft/ft) generally flows to the southeast (Cronin, 1969). The lateral movement of groundwater in this aquifer has been estimated to range from two inches per day (Cronin, 1969) to more than a foot per day (Minton, n.d.).

Water Quality

Water quality of the Ogallala aquifer in the area is mostly of slightly saline to moderately saline as defined as water containing 1,000 to 10,000 milligrams per liter (mg/L) of total dissolved solids (TDS) (Hem, 2005). Water above 3,000 mg/L TDS is considered water of limited use (Howells, 1990). According to the New Mexico State Engineer's Office, groundwater in this formation is deteriorating in quality (Boyer et al., 1980). Water samples collected by EPNG in January 1981 from eight privately-owned shallow wells in the vicinity had TDS values ranging between 707 and 4230 mg/L (Table 1).

Groundwater from formations below the Ogallala Formation contains higher concentrations of dissolved solids, primarily chloride and sulfate salts (Bureau of Reclamation, 1976). Triassic-age formations have also yielded acceptable potable water but in low to moderate quantities. The deeper Permian formation contains water of saline to brine quality. These waters are generally not used for domestic purposes, but may be used for injection into oil and gas fields for secondary recovery.

Item o. Identification of landowners at and adjacent to the discharge and collection/retention site.

Landowners within 1/3-mile of the proposed discharge:
(See Figure 5, Property Owner Map)

Mr. Jimmie T, Cooper
BOX 55
MONUMENT, NM 88265
505-397-2045
SE/4; SE/4; Sec 24; T 19S; R 36E
N/2; Sec 19; T 19S; R 36E
NW/4; Sec 25; T 19S; R 36E

Apache Corporation/Leaco Exploration
17 Hess Lane
Monument New Mexico 88265
N/2; NE/4; Sec 36; T 19S; R 36E

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Versado Gas Processors Operated by Targa Resources, Inc
Mr. Todd Young
P.O. Box 67
Monument, New Mexico 88265
SW/4; SE/4; Sec 36; T 19S; R 36E

Chevron USA
Mr. Rodney Bailey
15 Smith Road
Midland, TX 79705
(432) 894-3519
SE/4; SE/4; Sec 36; T 19S; R 36E

Mr. James R. Byrd
P.O. Box 32
Monument, New Mexico 88265
N/2 and SW/4; NW/4; NE/4; Sec 1; T 20S; R 36E
NW/4; NW/4; SE/4; Sec 1; T 20S; R 36E
NW/4; NW/4; Sec 6; T 20S; R 37E
W/2; Sec 31; T 20S; R 37E

Lee Partners
P.O Box 4967
Houston, TX 77210-4967
4.8-acre plot within SE/4; SW/4; SE/4; Sec 1; T 20S; R 36E

NM State Land Office – Hobbs District
2702 – D North Grimes
Hobbs, NM 88240
(Remaining land within 1/3-mile of the discharge, see Figure 5)

Landowners of the collection/retention sites:

El Paso Natural Gas Company
2 North Nevada Ave.
Colorado Springs, CO 80903
All of Sec 13; T 19S; R 36E (Tank staging area is within the NE/4; of this section, 17 tanks, Figures 2c and 3)
SE/4; NW/4; Sec 5; T 21S; R 36E (Staging area for the N-Spec 120 cleaner and rinse water)

NM State Land Office – Hobbs District
2702 – D North Grimes
Hobbs, NM 88240

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References

Boyer, D. G., D. McQuillan, and M.S. Goad, *New Mexico Surface Impoundment Assessment*, Water Pollution Control Bureau, New Mexico Environmental Improvement Division, Santa Fe, NM, 1980.

Cronin, J. G., *Ground Water in the Ogallala Formation in the Southern High Plains of Texas and New Mexico*, Hydrologic Investigations, Atlas HA-330, USGS, Washington, DC, 1969.

Hem, J. D., *Study and Interpretation of the Chemical Characteristics of Natural Water*, Geological Survey Water-Supply Paper 1473, Reprinted from the 1970 edition, University Press of the Pacific, 2005.

Howells, L., *Base of Moderately Saline Ground Water in San Juan County, Utah*, Utah Department of Natural Resources Technical Publication no. 94,35 p. 1990.

Minton, E. G., *General Ground Water Supply on the High Plains of New Mexico*, Lea County Ground Water Conservation, Lovington, NM, no date.

Nicholson, A. and A Clebsch, *Geology and Ground Water Conditions in Southern Lea County, New Mexico*, Ground Water Report No. 6, State Bureau of mines and Mineral Resources, New Mexico Institute of Mining and Technology, Socorro, NM, 1961.

Saylor, L. A., *Eunice "B" Compressor Station Discharge Plan*, El Paso Natural Gas, 1993.

U.S. Bureau of Reclamation, *Eastern New Mexico Water Supply Project, New Mexico*, Final Environmental Statement, Department of the Interior, Washington, DC, 1976.

Figures

SOURCE: Map provided by nationalatlas.com. NTS

LEGEND

★ = Site Location

KLEINFELDER	REGIONAL MAP OF DISCHARGE LOCATION		FIGURE 1
Originator: M. Wikstrom	Drawn By: PDan	Date: April 2008	
Approved By: D. Janney	Project No.: 93123	Drawing No.: 93123_05_0	
	Scale: NTS	Drawing Category: A	

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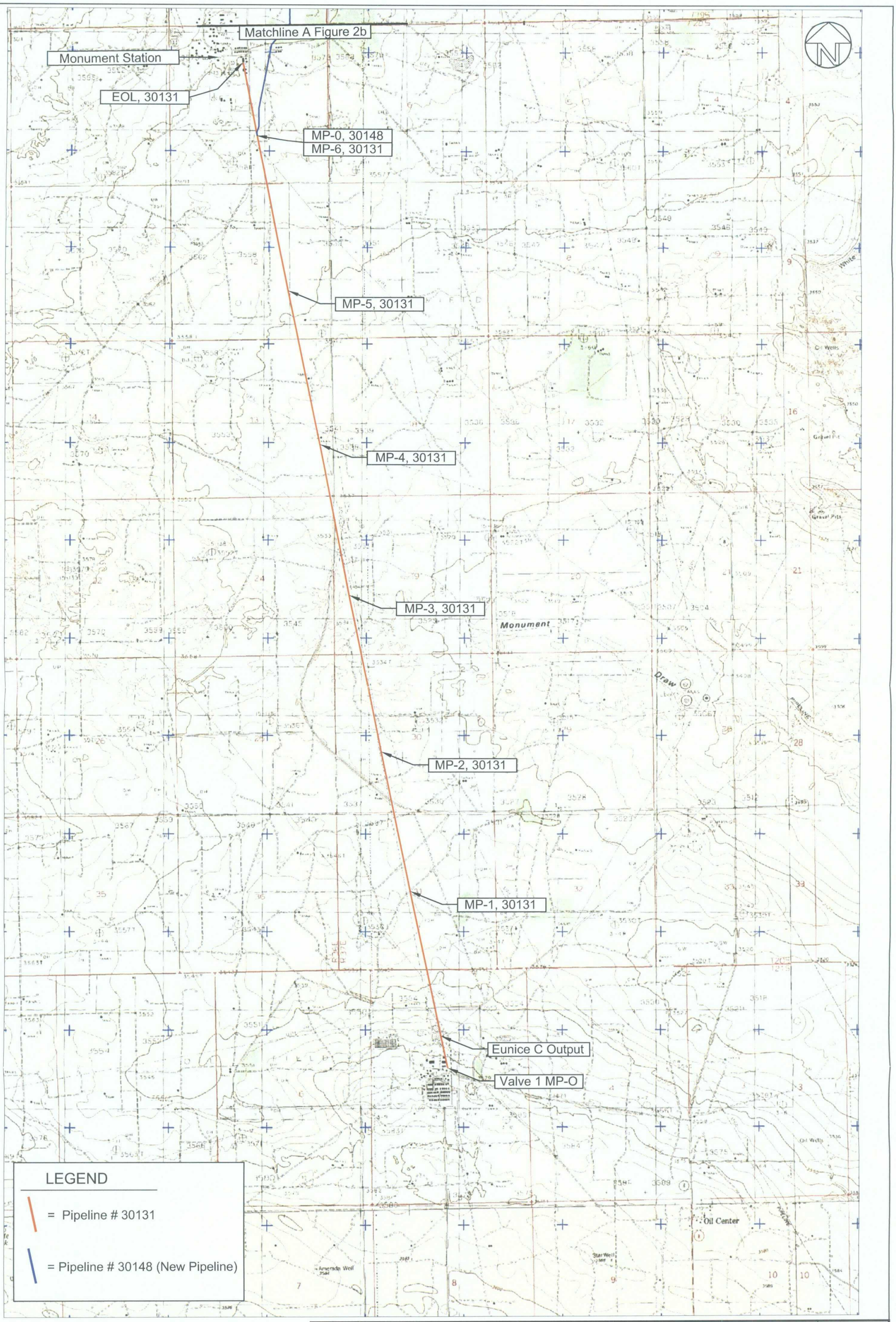

KLEINFELDER	PIPELINE MAP 30131 - Pipeline Hobbs, New Mexico		FIGURE 2a
Originator: M. Wikstrom	Drawn By: PDan	Date: April 2008	
Approved By: E. Shannon	Project No.: 93123	Drawing No.: 93123_02_0	
	Scale: 1" = 3000'	Drawing Category: A	

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MP-7, 30148

EOL, 30148

MP-6, 30148

MP-5, 30148

MP-4, 30148

MP-3.953

MP-3, 30148

MP-2, 30148

MP-1, 30148

EOL, 30131

Matchline A Figure 2a

MP-0, 30148
MP-6, 30131

Monument Springs

Indian Hill

Monument

Monument

LEGEND

= Pipeline # 30131

= Pipeline# 30148 (New Pipeline)

3000 0 1500 3000 ft

SCALE: 1" = 3000'

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PIPELINE SECTIONS
30148 - Pipeline
Hobbs, New Mexico

FIGURE **2b**

Originator: M. Wikstrom	Drawn By: PDan	Date: April 2008
Approved By: D. Janney	Project No.: 93123	Drawing No.: 93123_02_0
	Scale: 1" = 3000'	Drawing Category: A

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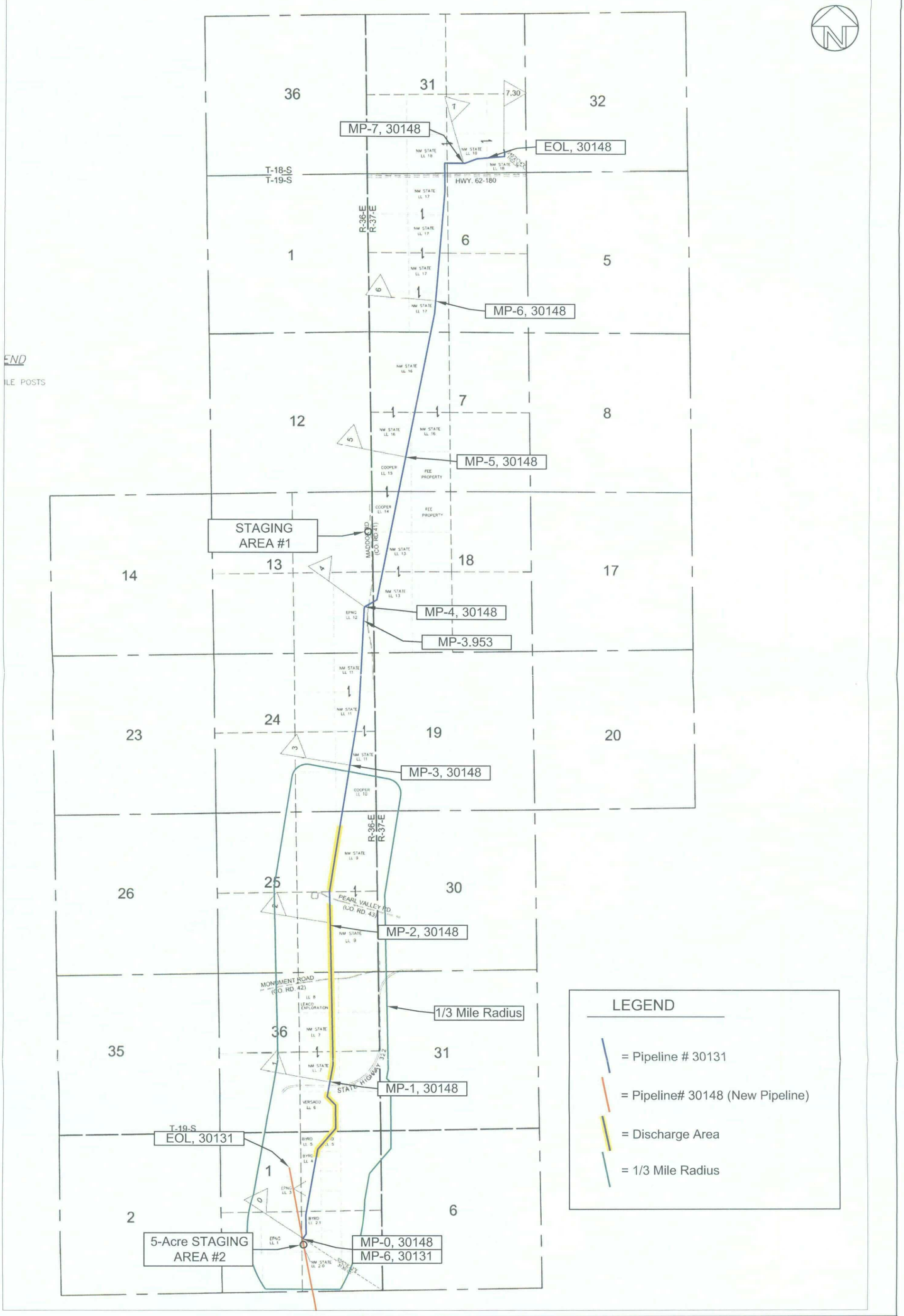

KLEINFELDER	PIPELINE SECTIONS SHOWING DISCHARGE LOCATIONS AND LAND OWNERS - 30148 - Pipeline Hobbs, New Mexico		FIGURE 2C
Originator: M. Wikstrom	Drawn By: PDan	Date: September 2008	
Approved By: D. Janney	Project No.: 93123	Drawing No.: 93123_02_0	
	Scale: 1" = 3000'	Drawing Category: A	

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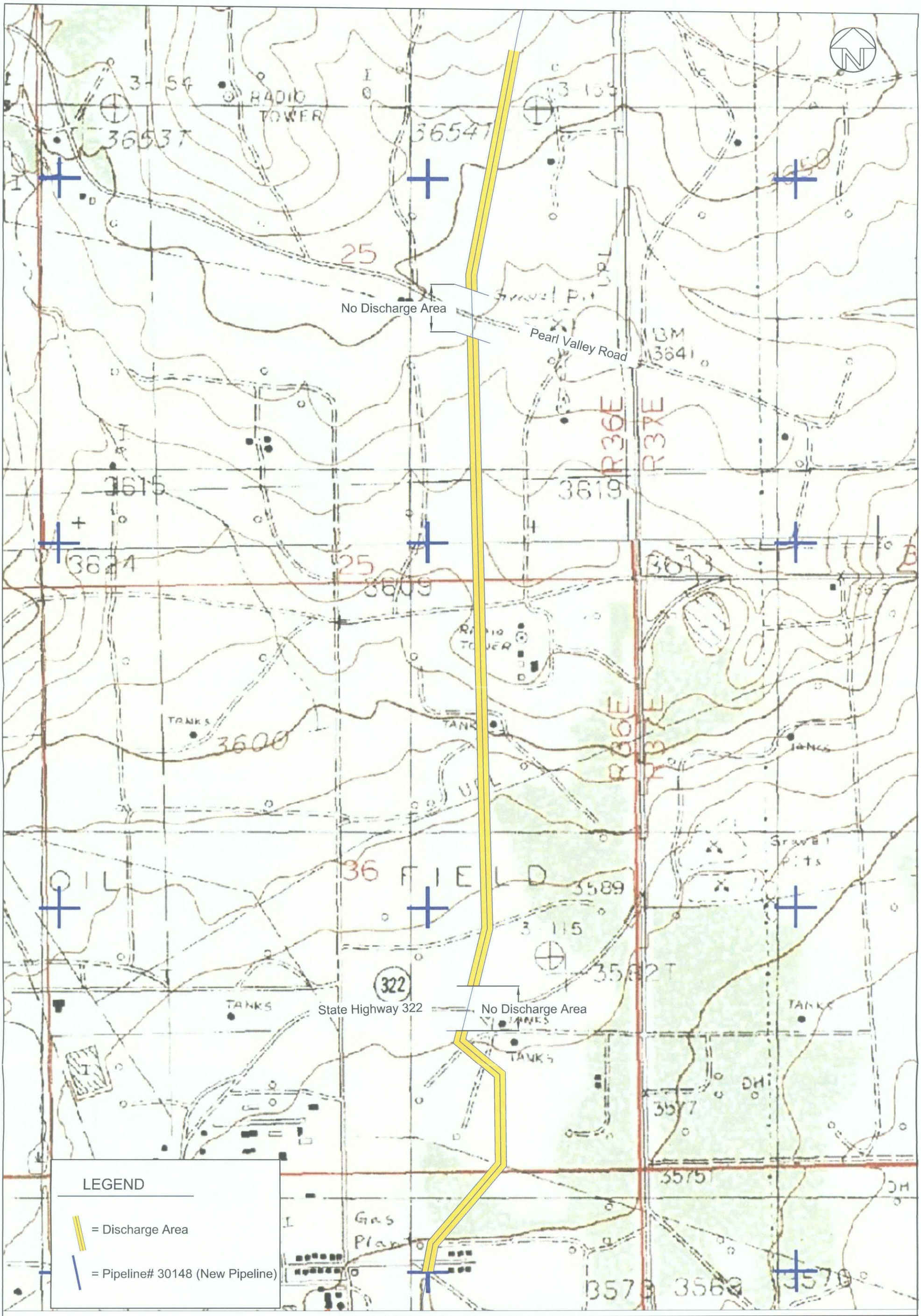

KLEINFELDER	Right of Way Discharge 30148 - Pipeline Hobbs, New Mexico		FIGURE 2d
Originator: M. Wikstrom	Drawn By: PDan	Date: Sept 2008	
Approved By: D. Janney	Project No.: 93123	Drawing No.: 93123_02_0	
	Scale: 1" = 3000'	Drawing Category: A	

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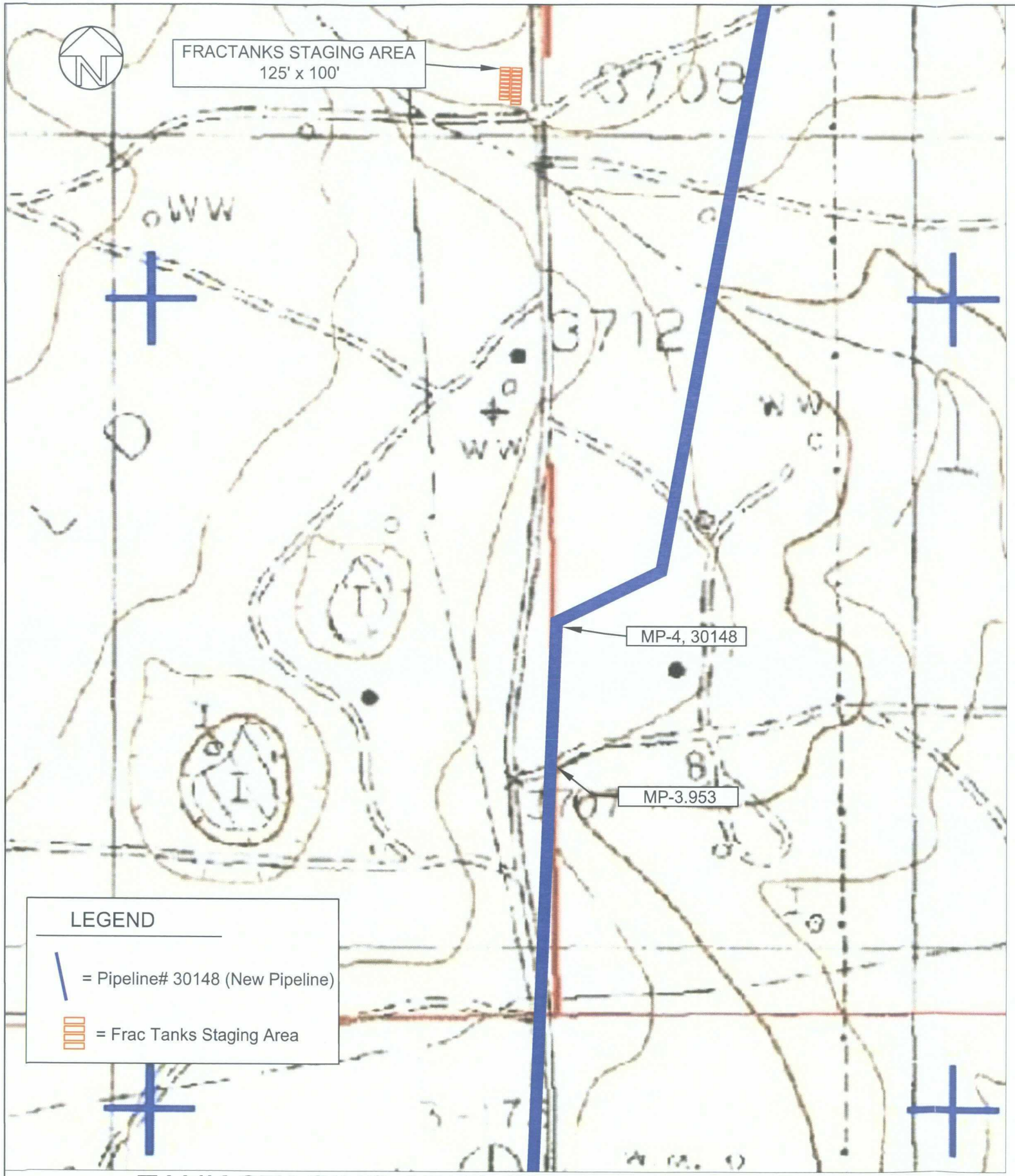
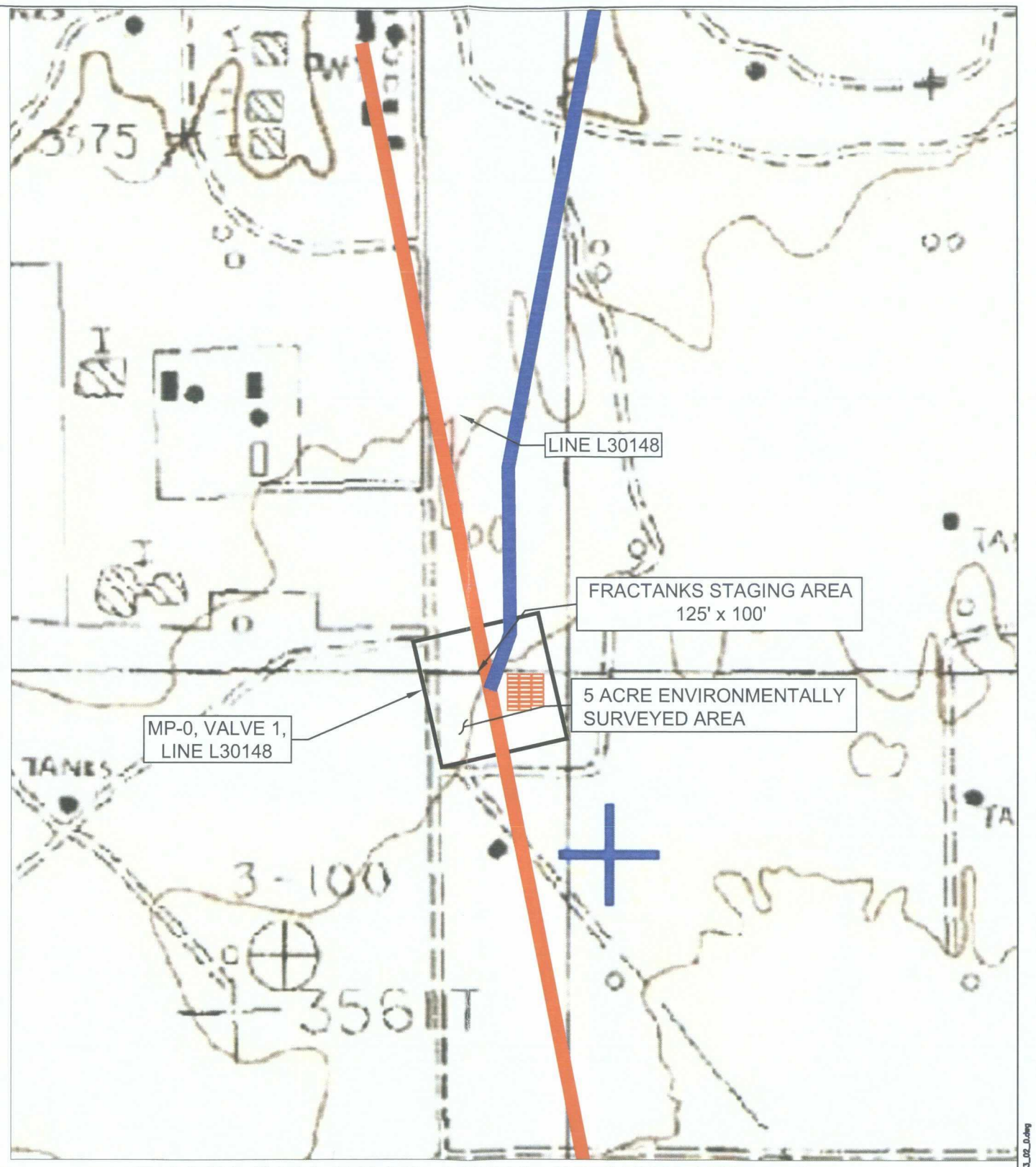


TANK STAGING AREA #1 (FRESH WATER)

NE ¼ OF SECTION 13, TOWNSHIP 19S, RANGE 36E
(SEE FIGURE 2C FOR LOCATION)

500 0 250 500 ft
SCALE: 1" = 500'



TANK STAGING AREA #2 (USED WATER)

S ½ OF SECTION 1, TOWNSHIP 20S, RANGE 36E
(SEE FIGURE 2C FOR LOCATION)

KLEINFELDER	WATER STORAGE TANK LOCATION MAP MP - 3.953 30148 Pipeline Hobbs, New Mexico		FIGURE
Originator: M. Wikstrom	Drawn By: PDan	Date: August 2008	3
Approved By: D. Janney	Project No.: 93123	Drawing No.: 93123_02_0	
	Scale: 1" = 500'	Drawing Category: A	

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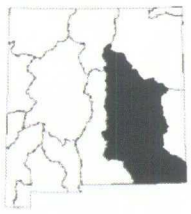
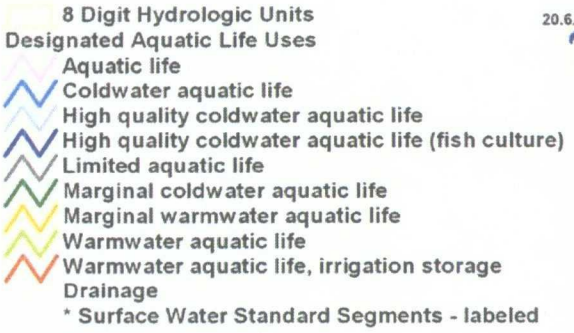
Pecos River Basin





SOURCE: Map acquired from http://www.nmenv.state.nm.us/NMAtlas/printablemaps/printablemaps.html

LEGEND

★ TEST SITE

KLEINFELDER	GROUNDWATER ATLAS MAP Pecos River Basin		FIGURE 4
Originator: M. Wikstrom	Drawn By: PDan	Date: April 2008	
Approved By: D. Janney	Project No.: 93123	Drawing No.: 93123_05_0	
	Scale: 1" = 20 mi	Drawing Category: A	

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NM STATE LL 11
NM STATE LL 11
COOPER
24
19
NM STATE LL 11
COOPER LL 10
COOPER
25
NM STATE LL 9
30
PEARL VALLEY RD. CO. RD. 43
NM STATE LL 9
MONUMENT RD. CO. RD. 42
LL 8
LEACO EXPLORATION
LEACO
36
NM STATE LL 7
31
NM STATE LL 7
STATE HWY 322
BYRD
VERSADO LL 6
CHEVRON USA
BYRD LL 5
BYRD LL 5
BYRD LL 4
BYRD
1
6
BYRD LL 2.1
EPNG LL 1
NM State LL 20

LEGEND

= Pipeline # 30131

= Pipeline# 30148 (New Pipeline)

= Discharge Area

= 1/3 Mile Radius

= State Owned Land

= Private Owned Land

1500 0 750 1500 ft

SCALE: 1" = 1500'

KLEINFELDER

PROPERTY OWNERS MAP
Hobbs, New Mexico

FIGURE 5

Originator: M. Wikstrom	Drawn By: PDan	Date: September 2008
Approved By: D. Janney	Project No.: 93123	Drawing No.: 93123_02_0
	Scale: 1" = 3000'	Drawing Category: A

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Tables

Table 1, Groundwater Quality and Analytical Results, (El Paso Natural Gas 1981)

Analyses of Well Water from the Ogallala Formation
Located near El Paso Natural Gas Company's Eunice and Monument Plants

Constituent	Well Designation[1]							
	L[1]	M[2]	N[3]	P[4]	Q[5]	R[6]	S[7]	T[8]
Sulfate (SO_4), mg/L	124	1780	145	72	480	140	380	1480
Chloride (Cl), mg/L	1385	1078	220	35	407	89	145	624
Nitrate (NO_3 as N), mg/L	0	0	4.5	3	5	9.5	0	0
Specific Conductance, mmhos/cm	4100	4800	1100	495	2010	850	1560	4000
pH	7.2	7.15	7.8	7.75	7.85	8.1	8.7	8.05
Total Dissolved Solids, mg/L	3801	4230	874	396	1684	707	1172	3162
Chromium (Cr), mg/L	.01	.01	0	0	.01	0	0	.01
Copper (Cu), mg/L	.05	.05	.05	0	.05	0	0	0
Iron (FE), mg/L	.03	.01	0	0	.01	.01	0	.01
Manganese (Mn), mg/L	.17	.10	0	0	.03	.02	0	.03
Zinc (Zn), mg/L	.10	.75	.10	.70	1.25	.10	0	.05

1/ Windmill 1/4 mile East of Monument Plant (East of Union Texas Britt Well #3).
2/ Windmill 1/2 to 3/4 miles SE of Eunice Plant.
3/ Windmill one mile NW of Monument Plant.
4/ Jim Cooper Ranch Home one mile NW of Monument Plant.
5/ Windmill 1/4 to 1/2 mile SE of Eunice Plant.
6/ Sam Hardy Home 1/4 mile East of Eunice Plant. (Continental Oil Company, East 1/2 mile of house).
7/ Deck Ranch windmill 1/4 mile NW of Eunice Plant.
8/ Millard Deck Ranch windmill 1/2 mile North of Eunice Plant.

APPENDIX A
MSD Sheet for N-Spec 120 Cleaner

Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

Common Name	N-SPEC 120 Cleaner
Supplier	Coastal Chemical Co., L.L.C. 3520 Veterans Memorial Drive Abbeville, LA 70510 337-893-3862
Synonym	Not available.
Trade name	Not available.
Material Uses	Not available.
Manufacturer	Coastal Chemical Co., L.L.C. 3520 Veterans Memorial Drive Abbeville, LA 70510 337-893-3862

Code	
MSDS#	Not available.
Validation Date	9/2/2004
Print Date	9/2/2004
Responsible Name	Charles Toups

In Case of Emergency: Transportation Emergency Call CHEMTREC 800-424-9300 Other Information Call Charles Toups 337-261-0796

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits
Confidential infomation			

Section 3. Hazards Identification

Physical State and Appearance: Liquid.

Emergency Overview: CAUTION!
MAY CAUSE EYE IRRITATION.
MAY CAUSE SKIN IRRITATION.
MAY BE HARMFUL IF SWALLOWED.
Keep away from heat, sparks and flame. Avoid contact with eyes. Do not ingest. Avoid prolonged or repeated contact with skin. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

Routes of Entry: Eye contact. Inhalation. Ingestion.

Potential Acute Health Effects

Eyes: Hazardous in case of eye contact (irritant). Inflammation of the eye is characterized by redness, watering, and itching.

Skin: Irritation of the product in case of skin contact: Not available.
Hazardous in case of skin contact

Inhalation: Hazardous in case of inhalation.

Ingestion: Hazardous in case of ingestion.

Potential Chronic Health Effects: CARCINOGENIC EFFECTS: Not available.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.

Medical Conditions Aggravated by Overexposure: Repeated or prolonged exposure is not known to aggravate medical condition.

Overexposure /Signs/Symptoms: Not available.

See Toxicological Information (section 11)

Continued on Next Page

Section 4. First Aid Measures

Eye Contact	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Get medical attention immediately.
Skin Contact	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cold water may be used.Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.
Notes to Physician	Not available.

Section 5. Fire Fighting Measures

Flammability of the Product	Not available
Auto-ignition Temperature	Not available.
Flash Points	Tested - No Flash present
Flammable Limits	Not available.
Products of Combustion	These products are carbon oxides (CO, CO2), sulfur oxides (SO2, SO3...).
Fire Hazards in Presence of Various Substances	Not available.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use alcohol foam, water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.
Protective Clothing (Fire)	Be sure to use an approved/certified respirator or equivalent.
Special Remarks on Fire Hazards	No additional remark.
Special Remarks on Explosion Hazards	Not available.

Section 6. Accidental Release Measures

Small Spill and Leak	The concentrated form of this material is a cleaner. During application, hazardous material on the apparatus or structure being cleaned may become part of the cleaning solution. Check with all applicable regulations before disposing of the material created during application.
Large Spill and Leak	The concentrated form of this material is a cleaner. During application, hazardous material on the apparatus or structure being cleaned may become part of the cleaning solution. Check with all applicable regulations before disposing of the material created during application.

Continued on Next Page

Section 7. Handling and Storage

Handling	Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Use explosion-proof electrical (ventilating, lighting and material handling) equipment.
Storage	Keep container tightly closed and in a well-ventilated place.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
Personal Protection	
Eyes	Safety glasses.
Body	Lab coat.
Respiratory	Wear appropriate respirator when ventilation is inadequate.
Hands	Impervious gloves.
Feet	Not applicable.
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Product Name	Exposure Limits
Confidential infomation	

Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid.
Molecular Weight	Not applicable.
Molecular Formula	Not applicable.

Odor	Not available.
Taste	Not available.
Color	Blue. (Dark.)

pH (1% Soln/Water)	6 to 8 [Neutral.]
Boiling/Condensation Point	The lowest known value is 100°C (212°F) (Water). Weighted average: 140.43°C (284.8°F)
Melting/Freezing Point	May start to solidify at 0°C (32°F) based on data for: Water. Weighted average: -46.19°C (-51.1°F)
Critical Temperature	Not available.
Specific Gravity	0.9 to 0.98 (Water = 1)
Vapor Pressure	The highest known value is 2.3 kPa (17.2 mm Hg) (at 20°C) (Water). Weighted average: 1.17 kPa (8.78 mm Hg) (at 20°C)
Vapor Density	The highest known value is 5.11 (Air = 1). Weighted average: 2.93 (Air = 1)
Volatility	Not available.
Odor Threshold	The highest known value is 34.6 ppm
Evaporation Rate	0.02 compared to Butyl acetate
VOC	Not available.

Continued on Next Page

Viscosity	Not available.
$LogK_{ow}$	The product is much more soluble in water.
Ionicity (in Water)	Anionic.
Dispersion Properties	See solubility in water, methanol, diethyl ether.
Solubility	Easily soluble in cold water, hot water, methanol, diethyl ether. Insoluble in n-octanol.
Physical Chemical Comments	Not available.

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Conditions of Instability	Not available.
Incompatibility with Various Substances	Reactive with oxidizing agents, acids. Slightly reactive to reactive with reducing agents.
Hazardous Decomposition Products	Not available.
Hazardous Polymerization	Will not occur.

Section 11. Toxicological Information

Toxicity to Animals	Acute oral toxicity (LD50): 1900 mg/kg [Rat]. Acute dermal toxicity (LD50): 9510 mg/kg [Rabbit].
Chronic Effects on Humans	No additional remark.
Other Toxic Effects on Humans	Hazardous in case of eye contact (irritant), of ingestion, of inhalation. Hazardous in case of skin contact (irritant). Slightly hazardous in case of skin contact (sensitizer).
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Not available.
Special Remarks on Other Toxic Effects on Humans	Material is irritating to mucous membranes and upper respiratory tract.

Section 12. Ecological Information

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Biodegradable/OECD	Not available.
Mobility	Not available.
	These products are carbon oxides (CO, CO_2) and water, nitrogen oxides (NO, NO_2...), sulfur oxides (SO_2, SO_3...), phosphates. Some metallic oxides.
Toxicity of the Products of Biodegradation	The products of degradation are less toxic than the product itself.

Continued on Next Page

Special Remarks on the Products of Biodegradation	Not available.

Section 13. Disposal Considerations

Waste Information	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Waste Stream	Not available.

Consult your local or regional authorities.

Section 14. Transport Information

Shipping Description	Not a DOT controlled material (United States). Not regulated.
Reportable Quantity	11061.8 lbs. (5016.7 kg)
Marine Pollutant	Not regulated - Alkylaryl sulfonate amine salt - less then 10 % .
Special Provisions for Transport	Contains alkylbenzenesulfonate

Section 15. Regulatory Information

HCS Classification	CLASS: Target organ effects.
U.S. Federal Regulations	TSCA 8(a) PAIR: contains Alkylbenzenesulfonate SARA 302/304/311/312 extremely hazardous substances: No products were found. SARA 302/304 emergency planning and notification: No products were found. SARA 302/304/311/312 hazardous chemicals: No products were found. SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found. SARA 313 toxic chemical notification and release reporting: No products were found. Clean Water Act (CWA) 307: No products were found. Clean Water Act (CWA) 311: No products were found. Clean air act (CAA) 112 accidental release prevention: No products were found. Clean air act (CAA) 112 regulated flammable substances: No products were found. Clean air act (CAA) 112 regulated toxic substances: No products were found.
International Regulations	
EINECS	Not available.
DSCL (EEC)	Risk to eyes. May cause irriationby skin contact. R322- May be harmful if swallowed. R36/38- Irritating to eyes and skin.
International Lists	No products were found.
State Regulations	Pennsylvania RTK: Dipropylene glycol monomethyl ether; Trade Secret; Gylcol Ether PNB Florida: Dipropylene glycol monomethyl ether; Ethanol Minnesota: Dipropylene glycol monomethyl ether Massachusetts RTK: Dipropylene glycol monomethyl ether; Ethanol New Jersey: Ethanol; Gylcol Ether PNB WARNING: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: Ethanol

Continued on Next Page

Section 16. Other Information

Label Requirements	MAY CAUSE EYE IRRITATION. MAY CAUSE SKIN IRRITATION. MAY BE HARMFUL IF SWALLOWED.

Hazardous Material Information System (U.S.A.)

Health	*	1
Flammability		0
Reactivity		0
Personal Protection		B

National Fire Protection Association (U.S.A.)

References	Not available.
Other Special Considerations	Not available.

Validated by Charles Toups on 9/2/2004.

Verified by Charles Toups.

Printed 9/2/2004.

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

APPENDIX B
Certification of Siting Criteria

Certification of Siting Criteria, Hydrostatic Discharge on Line 30148 Right of Way, and Water Tank Staging Areas

I, Mark Haag, have performed a site visit and visual inspection to look for the presence of watercourses, lakebeds, playa lakes, residences, schools, hospitals, churches, evidence of underground mines, water wells, and institutions within the specified distances (listed below) of the right of way (ROW) of the proposed discharge location along line 30148 (between MP-0.5 and MP-2.5) and the proposed staging area locations in Section 13, Township 19 South, Range 36 East, and Section 1, Township 20 South, Range 36 East. State highway 322 runs across the discharge location at MP-0.95, and County road 43 crosses the discharge area at MP-2.15. I did not observe any of these features within the proposed discharge area or within the distances indicated in the items listed below (items i. through v.). Discharge will not take place within 200 feet of these roads. Before discharge, signs will be posted along the ROW to inform water truck drivers to stop discharging within 200 feet of the roads.

Mark A Haag

Mark Haag
Principal Engineer

9/25/08
Date

i. ***Within 200 feet of a watercourse, lakebed, sinkhole, or playa lake;***

ii. ***Within an existing wellhead protection area or 100-year floodplain;***

iii. ***Within, or within 500 feet of, a wetland;***

iv. ***Within the area overlying a subsurface mine; or***

v. ***Within 500 feet from the nearest permanent residence, school, hospital, institution or church.***

APPENDIX C
Public Notice Text in Spanish and English

PUBLIC NOTICE

The United States Department of Transportation (USDOT) requires periodic pressurized tests on all USDOT-regulated pipelines. El Paso Natural Gas Company (EPNG) hereby gives notice that the following discharge permit application has been submitted to the NM Oil Conservation Division (NMOCD) in accordance with Subsection B, C, E, and F of 20.6.2.3108 New Mexico Administrative Code. The local EPNG mailing address is: El Paso Natural Gas, 2316 West Bender Blvd., Hobbs, NM 88240.

EPNG has submitted an application for hydrostatic test water discharge which will occur on the pipeline right-of-way in Sections 24, 25, and 36; Township 19 South; Range 36 East, and Section 1; Township 20 South; Range 36 East, in Lea County, New Mexico. The location of the discharge is approximately 11 miles southwest of Hobbs, NM, and 2.5 miles west of Monument, NM. To reach the discharge location from Hobbs, travel 8 miles west on US 180 to its intersection with State Route (SR) 8. On SR 8, travel 5 miles south to Monument. From Monument, travel 2.5 miles west on County Road (CR) 42 to the intersection with CR 46. The discharge will take place along the easement right-of-way for an approximate distance of 1.5 miles north of this intersection and an approximate distance of 1.5 miles south of this intersection.

The purpose of hydrostatic (testing with water) pipeline testing is to determine the extent to which potential defects might threaten the pipeline's ability to sustain maximum allowable operation pressure. The test involves purging the natural gas from the pipeline, cleaning the pipeline with an aqueous, non-hazardous cleaning fluid, filling the pipeline with water, then pressurizing the pipeline to a pressure higher than the standard operating pressure for a specified duration of time.

Existing pipeline L30131 and new pipeline L30148 (Hobbs Lateral) will each be hydrostatically tested. Prior to hydrostatic testing, the existing L30131pipeline will be cleansed using approximately 10,000 gallons of an aqueous and non-hazardous cleaning fluid, N-Spec 120 and then thoroughly rinsed with approximately 10,000 gallons water to remove any residual cleaning solution, oil, or deleterious substances. The volume of cleaning solution and rinseate together will not exceed 21;000 gallons and it will be stored on EPNG property located at the Eunice C compressor station, Section 5; Township 21 South; Range 36 East. A composite sample of the of cleaning fluid and rinseate solution will be analyzed for corrosivity, ignitability, reactivity, and toxicity in addition to the NM Water Quality Control Commission standards (WQCC) standards described below. This water will be transported for proper disposal to Safety Kleen in Midland, Texas.

Up to 336,000 gallons of fresh unused water, pumped from EPNG's Monument well, will be initially stored in 21,000-gallon tanks (frac-tanks) located in a portion of Section 13; Township 19 South; Range 36 East. Since the L30148 section is new pipeline made of new materials, it is not anticipated that cleansing this section of pipeline is necessary and it will be hydrostatically tested first. Following hydrostatic testing, a hose will be fitted to a valve on the L30148 pipeline and the used test water will be placed into frac tanks located within a five-acre portion of Section 1; Township 20 South; Range 36 East. As many as 23 frac tanks may be necessary to temporarily contain up to 326,000 gallons of used test water. The footprint of the frac tanks is estimated to be 12,500 square feet. After testing the new L30148 pipeline, the water will be reintroduced to the pipeline and also used to test the existing L30131 pipeline. Following testing the of the L30131 pipeline, the water will be returned to the frac tanks located in Section 1. After hydrostatic testing is complete, the water will be analyzed to ensure it meets the WQCC standards as per 20.6.2.3103 Sections A, B, and C. Used test water may be stored in the frac tanks for several months, pending analytical results, before being discharged along the easement right-of-way. The frac tanks will be pumped into tank trucks with a hose fitted to a valve on the frac tank and an in-line pump.

The first groundwater likely to be affected by a leak, accidental discharge, or spill exists at a depth of 40 to 59 feet below the ground surface. This aquifer system has a total dissolved solids concentration of between 707 and 4230 milligrams per liter or greater.

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

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

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

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

AVISO PÚBLICO

El Ministerio de Transporte de Estados Unidos (USDOT) requiere pruebas a presión periódicas en todas las tuberías USDOT-reguladas. La compañía de gas natural de El Paso (EPNG) da por este medio el aviso que el uso siguiente del permiso de la descarga se ha sometido a la división de la conservación de aceite del nanómetro (NMOCD) de acuerdo con la subdivisión B, C, E, y F del código administrativo de 20.6.2.31 08 New México. La dirección local del correo de EPNG es: Gas natural de El Paso, 2316 bulevares del oeste del doblador., Hobbs, nanómetro 88240.

EPNG ha presentado una solicitud para la descarga hidrostática del agua de la prueba que ocurrirá en el derecho de paso de la tubería en las secciones 24, 25, y 36; El municipio 19 del sur; Gama 36 del este, y sección 1; El municipio 20 del sur; Gama 36 del este, en condado del pasto, Neuvo México. La localización de la descarga está a aproximadamente 11 millas de sudoeste de Hobbs, del nanómetro, y de 2.5 millas al oeste del monumento, nanómetro. Para alcanzar la localización de la descarga de Hobbs, viaje 8 millas del oeste en los E.E.U.U. 180 a su intersección con la ruta del estado (SENIOR) 8. En el SENIOR 8, viajan 5 millas de del sur al monumento. Del monumento, viajan 2.5 millas de del oeste en el camino del condado (CR) 42 a la intersección con el CR 46. La descarga ocurrirá a lo largo del derecho de paso para una distancia aproximada de 1.5 millas de norte de esta intersección y una distancia aproximada de 1.5 millas de sur de esta intersección.

El propósito (prueba con agua) de la prueba hidrostática de la tubería es determinar el grado a cual los defectos potenciales pudieron amenazar a la capacidad de la tubería de sostener la presión máxima permitida de la operación. La prueba implica el purgar del gas natural de la tubería, limpiando la tubería con un quitamanchas acuoso, non-hazardous, rellenar la tubería con agua, después presurizando la tubería a una presión más alta que la presión de funcionamiento estándar para una duración especificada del tiempo. La tubería existente L30131 y la nueva tubería L30148 (lateral de Hobbs) cada uno hidrostático serán probadas. Antes de la prueba hidrostática, el L30131pipeline existente será limpiado usando aproximadamente 10.000 galones de un acuoso y el quitamanchas non-hazardous, N-Espec. 120 y entonces aclarado a fondo con aproximadamente 10.000 galones riega para quitar cualquier solución residual de la limpieza, aceite, o sustancia deletérea. El volumen de solución y de rinseate de la limpieza de junto no excederá 21,000 galones y será almacenado en la característica situada en la estación del compresor de Eunice C, sección 5 de EPNG; El municipio 21 del sur; Gama 36 del este. Una muestra compuesta de del quitamanchas y de la solución del rinseate será analizada para la corrosividad, el ignitability, la reactividad, y la toxicidad además de los estándares de los estándares de la Comisión del control de calidad del agua del nanómetro (WQCC) descritos más abajo. Esta agua será transportada para la disposición apropiada a la seguridad Kleen en el Midland, Tejas.

Hasta 336,000 galones de agua inusitada fresca, pompeados del monumento de EPNG bien, serán almacenados inicialmente en los tanques de 21,000 galones (los frac-tanques) situados en una porción de la sección 13; El municipio 19 del sur; Gama 36 del este. Puesto que la sección L30148 es nueva tubería hecha de nuevos materiales, no se anticipa que el limpiamiento de esta sección de la tubería es necesario e hidrostático será probado primero. Después de la prueba hidrostática, una manguera será cabida a una válvula en la tubería L30148 y la agua usada de la prueba será colocada en los tanques del frac situados dentro de una porción del cinco-acre de la sección 1; El municipio 20 del sur; Gama 36 del este. Tanto como los 23 tanques del frac pueden ser necesarios contener temporalmente hasta 326,000 galones de agua usada de la prueba. La huella de los tanques del frac se estima para ser 12,500 pies cuadrados. Después de probar la nueva tubería L30148, la agua será reintroducida a la tubería y también utilizada para probar la tubería existente L30131. Después de la prueba de la tubería L30131, el agua será vuelta a los tanques del frac situados en la sección 1. Después de que la prueba hidrostática sea completa, el agua será analizada para asegurarse que cumple los estándares de WQCC según 20.6.2.31 03 secciones A, B, y agua usada la C. de la prueba se puede almacenar en los tanques del frac por varios meses, hasta que finalicen resultados analíticos, antes de ser descargada a lo largo del derecho de paso. Los tanques del frac serán pompeados en los carros del tanque con una manguera cabida a una válvula en el tanque del frac y una pompa en línea.

La primera agua subterránea probablemente que se afectará por un escape, una descarga accidental, o un derramamiento existe en una profundidad de 40 a 59 pies debajo de la superficie de tierra. Este sistema del acuífero tiene una concentración total de los sólidos en suspensión entre de 707 y 4230 miligramos por litro o mayor.

El aviso del intento y la descarga planean esquemas cómo el agua y la basura producidas serán manejadas correctamente, incluyendo la dirección, almacenaje, y la disposición final. El plan también incluye los procedimientos para la gerencia apropiada de escapes, de descargas accidentales, y de derramamientos para proteger las aguas del estado de Neuvo México.

Para la información adicional, ser colocado en una lista de personas a quienes se mandan propaganda facilidad-específica para los avisos futuros, o someter los comentarios satisfacen entran en contacto con:

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

La energía del nanómetro, los minerales y el departamento de los recursos naturales aceptarán comentarios y declaraciones del interés con respecto a esta prueba hidrostática y proporcionarán los avisos futuros para esta tubería a petición.

APPENDIX D
Monument Station Well Analytical Results

LABORATORY SERVICE REPORT

REQUESTOR:	Morrow, Kenny	REPORT DATE:	12/30/2005
		REQUEST NO:	2005121518
		APPROVED BY:	Campbell, Darrell
		PENDING REQ. ID:	2005121518
DISTRIBUTION:	Howell, Timothy; St. John, Robert; Havenman, Bill; Whitney, Mark		
PERFORMED BY:	Aerotech Environmental Laboratories		

Request Description:	Domestic water (SWDA) @ Monument
Date Received:	12/2/2005
Date Completed:	12/29/2005

Sample No: 1 Sampled By: Mark Whitney Sample Date: 12/1/2005 2:00:00 PM

Description:	
Analysis:	WP Domestic Water - SDWA PAL
Purpose:	Disposal/Environmental Concerns
Matrix:	Water
Location:	EPNG - Midland - Plains - Monument Station - 0+0 - Breakroom - sink

Data: See attached sheet(s).

Comments:

Request: 2005121518

Sample:	1
Metals	
Aluminium (mg/l)	< 0.2
Barium (mg/l)	< 0.001
Beryllium (mg/l)	< 0.001
Boron (mg/l)	< 0.2
Cadmium (mg/l)	< 0.001
Calcium (mg/l)	< 2
Chromium (mg/l)	< 0.001
Copper (mg/l)	0.023
Iron (mg/l)	< 0.05
Magnesium (mg/l)	< 2
Manganese (mg/l)	< 0.005
Nickel (mg/l)	< 0.001
Potassium (mg/l)	< 2
Silver (mg/l)	< 0.001
Sodium (mg/l)	< 2
Zinc (mg/l)	< 0.01
Antimony (mg/l)	< 0.003
Arsenic (mg/l)	< 0.001
Lead (mg/l)	< 0.001
Selenium (mg/l)	< 0.002
Thallium (mg/l)	< 0.001
Hardness, Calcium/Magnesium (As CaC (mg/l)	< 13
Mercury (mg/l)	< 0.0002
Anions	
Bromide (mg/l)	< 0.5
Chloride (mg/l)	< 2
Nitrogen, Nitrate (As N) (mg/l)	< 0.2
Nitrogen, Nitrite (As N) (mg/l)	< 0.2
Sulfate (mg/l)	< 2
Fluoride (mg/l)	< 0.4
General Analyses	
Alkalinity, Bicarbonate (As CaCO3) (mg/l)	< 2
Alkalinity, Carbonate (As CaCO3) (mg/l)	< 2
Alkalinity, Hydroxide (As CaCO3) (mg/l)	< 2
Alkalinity, Total (As CaCO3) (mg/l)	< 6
Cyanide, Total (mg/l)	< 0.02
Specific Conductivity (µS/cm)	6.7
Chromium VI (mg/l)	< 0.01
pH (SU)	6.74
Silica (Silicon dioxide-SiO2) (mg/l)	< 0.2139
Total Dissolved Solids (mg/l)	< 10
Suspended Solids (Residue, Non-Filt (mg/l)	< 10
Turbidity (NTU)	0.27
Asbestos (MFL)	< 0.2
Radiochemical Activity	
Gross Alpha (pCi/L)	1.0+/-0.5

Request: 2005121518

Sample:	1
Gross Beta (pCi/L)	<2.9
Radium 226 (pCi/L)	<0.2
Radium 228 (pCi/L)	<0.4
Total Radium (pCi/L)	<0.4
504.1 Analysis	
1,2-Dibromo-3-chloropropane (DBCP) (mg/l)	< 0.00002
1,2-Dibromoethane (EDB) (mg/l)	< 0.00001
505 Analysis	
Chlordane (mg/l)	< 0.0002
Aroclor 1016 (mg/l)	< 0.00008
Aroclor 1221 (mg/l)	< 0.02
Aroclor 1232 (mg/l)	< 0.0005
Aroclor 1242 (mg/l)	< 0.0003
Aroclor 1248 (mg/l)	< 0.0001
Aroclor 1254 (mg/l)	< 0.0001
Aroclor 1260 (mg/l)	< 0.0002
Toxaphene (mg/l)	< 0.001
515.1 Analysis	
2,4-D (mg/l)	< 0.0001
2,4,5-TP (Silvex) (mg/l)	< 0.0002
Pentachlorophenol (mg/l)	< 0.00004
Dalapon (mg/l)	< 0.001
Dinoseb (mg/l)	< 0.0002
Picloram (mg/l)	< 0.0001
Dicamba (mg/l)	< 0.0001
524.2 Analysis	
1,1,1,2-Tetrachloroethane (mg/l)	< 0.0005
1,1,1-Trichloroethane (mg/l)	< 0.0005
1,1,2,2-Tetrachloroethane (mg/l)	< 0.0005
1,1,2-Trichloroethane (mg/l)	< 0.0005
1,1-Dichloroethane (mg/l)	< 0.0005
1,1-Dichloroethene (mg/l)	< 0.0005
1,1-Dichloropropene (mg/l)	< 0.0005
1,2,3-Trichlorobenzene (mg/l)	< 0.0005
1,2,3-Trichloropropane (mg/l)	< 0.002
1,2,4-Trichlorobenzene (mg/l)	< 0.0005
1,2,4-Trimethylbenzene (mg/l)	< 0.0005
1,2-Dibromo-3-chloropropane (mg/l)	< 0.002
1,2-Dibromoethane (mg/l)	< 0.0005
1,2-Dichlorobenzene (mg/l)	< 0.0005
1,2-Dichloroethane (mg/l)	< 0.0005
1,2-Dichloropropane (mg/l)	< 0.0005
1,3,5-Trimethylbenzene (mg/l)	< 0.0005
1,3-Dichlorobenzene (mg/l)	< 0.0005
1,3-Dichloropropane (mg/l)	< 0.0005
1,4-Dichlorobenzene (mg/l)	< 0.0005
2,2-Dichloropropane (mg/l)	< 0.0005

Request: 2005121518

Sample:	1
2-Chlorotoluene (mg/l)	< 0.0005
4-Chlorotoluene (mg/l)	< 0.0005
4-Isopropyltoluene (mg/l)	< 0.0005
Benzene (mg/l)	< 0.0005
Bromobenzene (mg/l)	< 0.0005
Bromochloromethane (mg/l)	< 0.0005
Bromodichloromethane (mg/l)	< 0.0005
Bromoform (mg/l)	< 0.0005
Bromomethane (mg/l)	< 0.0005
Carbon tetrachloride (mg/l)	< 0.0005
Chlorobenzene (mg/l)	< 0.0005
Chloroethane (mg/l)	< 0.0005
Chloroform (mg/l)	< 0.0005
Chloromethane (mg/l)	< 0.0005
cis-1,2-Dichloroethene (mg/l)	< 0.0005
cis-1,3-Dichloropropene (mg/l)	< 0.0005
Dibromochloromethane (mg/l)	< 0.0005
Dibromomethane (mg/l)	< 0.0005
Dichlorodifluoromethane (mg/l)	< 0.0005
Ethylbenzene (mg/l)	< 0.0005
Hexachlorobutadiene (mg/l)	< 0.0005
Isopropylbenzene (mg/l)	< 0.0005
m,p-Xylene (mg/l)	< 0.0005
Methylene chloride (mg/l)	< 0.0005
Naphthalene (mg/l)	< 0.0005
n-Butylbenzene (mg/l)	< 0.0005
n-Propylbenzene (mg/l)	< 0.0005
o-Xylene (mg/l)	< 0.0005
sec-Butylbenzene (mg/l)	< 0.0005
Styrene (mg/l)	< 0.0005
tert-Butylbenzene (mg/l)	< 0.0005
Tetrachloroethene (mg/l)	< 0.0005
Toluene (mg/l)	< 0.0005
trans-1,2-Dichloroethene (mg/l)	< 0.0005
trans-1,3-Dichloropropene (µg/l)	< 0.0005
Trichloroethene (mg/l)	< 0.0005
Trichlorofluoromethane (mg/l)	< 0.0005
Trihalomethanes, Total (mg/l)	< 0.0005
Vinyl chloride (mg/l)	< 0.0005
Xylenes, Total (mg/l)	< 0.0005
525.2 Analysis	
Alachlor (mg/l)	< 0.0002
Aldrin (mg/l)	< 0.0005
Atrazine (mg/l)	< 0.0001
Heptachlor (mg/l)	< 0.00004
Heptachlor epoxide (mg/l)	< 0.00002
gamma-BHC (Lindane) (mg/l)	< 0.00002
Benzo[a]pyrene (µg/l)	< 0.00002
Di(2-ethylhexyl)phthalate (mg/l)	< 0.0006
Di(2-ethylhexyl)adipate (mg/l)	< 0.0006

Request: 2005121518

Sample:	1
Endrin (mg/l)	< 0.00001
Hexachlorobenzene (mg/l)	< 0.0001
Hexachlorocyclopentadiene (mg/l)	< 0.0001
Simazine (mg/l)	< 0.00007
Methoxychlor (mg/l)	< 0.0001
Propachlor (mg/l)	< 0.0005
Butachlor (mg/l)	< 0.0005
Dieldrin (mg/l)	< 0.0005
Metolachlor (mg/l)	< 0.0005
Metribuzin (mg/l)	< 0.0005
531.1 Analysis	
Aldicarb (mg/l)	< 0.0005
Aldicarb Sulfone (mg/l)	< 0.0008
Aldicarb Sulfoxide (mg/l)	< 0.0005
Carbaryl (mg/l)	< 0.0005
Carbofuran (mg/l)	< 0.0009
3-Hydroxycarbofuran (mg/l)	< 0.0005
Methomyl (mg/l)	< 0.0005
Oxamyl (mg/l)	< 0.002
547 Analysis	
Glyphosate (mg/l)	< 0.006
548.1 Analysis	
Endothall (mg/l)	< 0.009
549.2 Analysis	
Diquat (mg/l)	< 0.0004
1613-B Analysis	
2,3,7,8-TCDD (pg/l)	< 5.0

elpaso

CHAIN OF CUSTODY RECORD

LSR NUMBER	PROJECT NAME
2005121518	Monument Station

SAMPLERS: (Signature) Mark Whitaker DATE: 12-1-05

LAB ID	DATE	TIME	MATRIX	SAMPLE NUMBER	TOTAL NUMBER OF CONTAINERS	COMPOSITE OR GRAB	Metals*	Anions*	General Chemistry*	Asbestos	Radiochemical*	504.1, 524.2	505, 515.1	525.2, 531.1, 547	548, 549, 1613
	12-1	1400	A	1	28	G	X	X	X	X	X	XX	XX	XXX	XXX
			A	Trip Blank		G						XX			

LABORATORY: PAL

REMARKS: IF SAMPLE QUANTITY IS LIMITED - PLEASE ANALYZE IN ORDER GIVEN

*See Attached List

RELINQUISHED BY: (Signature)	DATE:	TIME:	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE:	TIME:	RECEIVED BY: (Signature)
Mark Whitaker	12-1	1700					

RELINQUISHED BY: (Signature)	DATE:	TIME:	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE:	TIME:	RECEIVED AT LABORATORY BY: (Signature)

REQUESTED TURNAROUND TIME:
☑ Routine ☐ Rush

ginal Testing Laboratory
py EPC Laboratory
py Field Sampler

BILL NO:

SAMPLE RECIEIPT REMARKS:

CHARGE CODE:

RESULTS & INVOICES TO:

LABORATORY SERVICES
EL PASO CORPORATION
8645 RAILROAD DRIVE
EL PASO, TEXAS 79904

915-587-3729 FAX: 915-587-3835

FM-08-0564 (05/2003)1

APPENDIX E
Copy of Emails from the New Mexico Abandoned Mine Lands Program

Marco Wikstrom - RE: Hydrostatic Test Discharge Site

From: "Tompson, Mike, EMNRD" <Mike.Tompson@state.nm.us>
To: "Marco Wikstrom" <MWikstrom@kleinfelder.com>
Date: 9/8/2008 8:29 AM
Subject: RE: Hydrostatic Test Discharge Site

Here is the message. I will call to make sure you received it.

Mike Tompson

From: Tompson, Mike, EMNRD
Sent: Tuesday, July 22, 2008 11:19 AM
To: 'Marco Wikstrom'; Jones, Brad A., EMNRD
Cc: Kretzmann, John, EMNRD
Subject: RE: Hydrostatic Test Discharge Site

Marco and Brad,

This is a confirmation that the Abandoned Mine Land Program does not know of any abandoned mines is the Sections you specified below. That is not to say that there are definitely no mines in the area. It just means that we have not had any reports of mines being located there in the past. And the USGS does not show any mining symbols on the topo map.

I hope this e-mail sufficient and if anybody has any questions, they are welcome to contact me.

Mike Tompson
New Mexico Abandoned Mine Land Program
505.476.3427

From: Marco Wikstrom [mailto:MWikstrom@kleinfelder.com]
Sent: Tuesday, July 22, 2008 9:08 AM
To: Tompson, Mike, EMNRD
Cc: Glen.Thompson@ElPaso.com; David Janney
Subject: Hydrostatic Test Discharge Site

Mike,

We talked on the phone a few months back about locating abandoned mines in the vicinity of a proposed hydrostatic discharge. The NMOCD now wants an email from you verifying what we talked about (per your records) that there are no mines underlying the proposed discharge, "...within the area overlying a subsurface mine."

The location of the discharge is within the following sections:

The proposed discharge will occur on the pipeline right-of-way within the following sections in Lea County, New Mexico:

Section 1, Township 20 South, Range 36 East

Section 36, Township 19 South, Range 36 East

Section 25, Township 19 South, Range 36 East

Section 24, Township 19 South, Range 36 East

Introduction and removal of discharge water will occur, and water storage tanks will be located within the staging area in the following section in Lea County, New Mexico:

Section 13, Township 19 South, Range 36 East

After reviewing your records, can you CC me on the email you send to Brad Jones of the NMOCD?

His email address is: brad.a.jones@state.nm.us

Thanks,
Marco

Marco Wikstrom
Staff Geologist
KLEINFELDER
mwikstrom@kleinfelder.com
(505) 344-7373 Office
(505) 344-1711 Fax
(505) 948-4454 Mobile

8300 Jefferson NE Suite B
Albuquerque, NM 87113

Do you really have to print this email?
Think environment!

communication is strictly prohibited. If you have received this information in error, please notify the sender immediately.

Confidentiality Notice: This e-mail, including all attachments is for the sole use o

APPENDIX F
Letter from the NM State Land Office – Hobbs District

David Janney - RE:

From: "Villa, Anna" <avilla@slo.state.nm.us>
To: "Lopez, John J" <John.Lopez@ElPaso.com>
Date: 9/22/2008 8:08 AM
Subject: RE:
CC: "Jones, Brad A., EMNRD" <brad.a.jones@state.nm.us>, "Thompson, Glen D" <Glen.Thompson@ElPaso.com>, Marco Wikstrom <MWikstrom@kleinfelder.com>, "Anderson, David R (Land Mgr)" <David.R.Anderson@ElPaso.com>
Attachments: Villa, Anna.vcf

Good Morning John,

As we discussed last week, we have amended your current right of way to allow you to have temporary workspace for the staging and storage area for your project. The temporary workspace is located in portions of the NE4SW4 and NW4SE4 of Section 1, Township 20 South, Range 36 East.

Mr. Jones, if there are additional questions or concerns regarding the approval of this amendment, please feel free to contact me via email or telephone.

Have a great day!

Anna Villa, R/W Leasing Manager
NMSLO
(505)827-5789

From: Lopez, John J [mailto:John.Lopez@ElPaso.com]
Sent: Thursday, September 18, 2008 3:26 PM
To: Villa, Anna
Cc: Jones, Brad A., EMNRD; Thompson, Glen D; Marco Wikstrom; Anderson, David R (Land Mgr)
Subject:

Good Afternoon Anna,

A few minutes ago I received a call from Mr. Brad Jones with the NMOCD regarding landowner confirmation for the storage of hydrostatic "frac" tanks within the approximate 5-acre pre-approved staging and storage area for the Hobbs Pipeline Project. If you recall, we discussed this issue in detail several times being that the landowner changed from private to state trust lands.

Earlier this week, I wrote a letter to Mr. Jones that describes my error in land ownership. Mr. Jones is now in receipt of this letter and was notified that he will not accept my word or confirmation, he has to have confirmation from you specifically (e-mail will be

acceptable) that you concur with EPNG's storing of frac tanks in the SW corner of the pre-approved 5-acre site.

To help expedite the approval of the Hydrostatic Test Plan, can you please send Mr. Jones confirmation as requested? I went ahead and attached the land plat for the 5-acre site and the September 12th memo for a quick reference

Legal description of the proposed frac tank storage area is below:

S1/2 of Section 1, Township 20 South, Range 36 East; the frac tanks will be located in SW corner of the
5-acre area site.

Thanks Anna, I will call you later today to discuss this issue further.

John

elpaso Natural Gas

September 12, 2008

Mr. Brad Jones, Environmental Engineer
New Mexico Oil Conservation Division
1220 S. St Francis Drive
Santa Fe, NM 87505

RE: Landowner Consent to Locate Water Storage Tanks

Dear Mr. Jones:

This letter is to inform you that El Paso Natural Gas Company ("EPNG") reviewed its landowner records in SE4 of Section 1, Township 20 South; Range 36 East in Lea County, New Mexico and determined that a mistake was made in identifying the correct landowner in the area where the frac tanks are to be temporarily stored. To ensure EPNG landowner records were correct, I notified and confirmed through county and state land officials that the area EPNG is proposed to store frac tanks for hydrostatic testing belongs to the State of New Mexico and not to Mr. James Byrd as first indicated. EPNG ultimately apologizes for mis-informing you and your office.

On Friday September 12, 2008, I spoke with Ms. Anna Villa, Manager, Surface Right Division, New Mexico State Land Office ("NMSLO") regarding our request to store frac tanks within the pre-approved 5-acre area. She mentioned that there is no need to sign another official landowner notification letter being that the state had already been notified.

As mentioned, the 5-acre area has already been approved by the Ms. Villa's office for staging and storage for the Hobbs Pipeline Project ("Project"). EPNG's winning contractor, Harpole Construction, has already started to utilize this area for its intended purpose. The Project is scheduled to start as early as September 16, 2008. By copy of this letter Ms. Villa is notified of this situation. If you have questions regarding this issue please notify me directly @ (719) 661-9800.

Regards,

John J. Lopez
Land Department

El Paso Natural Gas
2 North Nevada Avenue Colorado Springs, Colorado 80903
PO Box 1087 Colorado Springs, Colorado 80944
tel 719 473 2300

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September 9, 2008
File No. 93123.1-ALB08RP001

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

Subject: **Resubmittal of Notice of Intent for the Discharge of Hydrostatic Test Water, Pipeline Numbers L30148 and L30131, Lea County, New Mexico**

Dear Mr. Jones:

On behalf of El Paso Natural Gas Company (EPNG) Kleinfelder West, Inc. (Kleinfelder) is pleased to resubmit this Notice of Intent (NOI) to discharge hydrostatic test water.

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

- Background information;
- Hydrostatic Test Water Discharge Plan;
- Figure 1, Regional Site Location Map;
- Figures 2a, 2b, 2c, and 2d, Pipeline Section and Discharge Location Maps;
- Figure 3, Water Storage Tank Location Map;
- Figure 4, Groundwater Atlas Map; Pecos River Basin;
- Figure 5, Property Owners Map
- Table 1, EPNG Groundwater Quality and Analytical Results;
- Appendix A, MSD Sheet for N-Spec 120 Cleaner;
- Appendix B, Certification of Siting Criteria;
- Appendix C, Public Notice in Spanish and English;
- Appendix D, Monument station well analytical results;
- Appendix E, Copy of emails from the New Mexico Abandoned Mine Lands Program; and
- Appendix F, Copy of a Letter from Mr. John Lopez of the EPNG Land Department

Public notice will be posted in accordance with NMAC 20.6.2.3108 at the staging area sites (Figures 2c and 3), in the Monument, NM Post Office, and published in the Hobbs News Sun newspaper.

Should you have any questions, please feel free to contact Marco Wikstrom or David Janney at (505) 344-7373.

Sincerely,
KLEINFELDER WEST, INC.

For David W. Janney
Marco Wikstrom
Staff Geologist

Reviewed by:

Barbara Everett, R.G., P.G.
Program Manager

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Albuquerque, NM
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Background Information

El Paso Natural Gas (EPNG) is planning to construct the "Hobbs Expansion Project" which includes the following components:

1) The construction of the 7.3 mile 20-inch diameter Hobbs Lateral pipeline, line 30148 (L30148), and the Hobbs Meter Station, all tested to support a maximum allowable operation pressure (MAOP) of 837 pound-force per square inch gauge (psig).
2) Pipeline system improvements including up-rating the existing 5.8 mile 16-inch diameter Line 30131 (L30131) to a MAOP of 837 psig.
3) Construction of the Eunice "C" compressor station to replace the existing Eunice "A" compressor station. (A discharge permit application for Eunice C has been filed with the NMOCD.)
4) Flow control improvements at the existing Keystone Mainline Compressor Station (in Texas).

Part of accomplishing these objectives is hydrostatic testing of the existing L30131 and planned (new) L30148 pipeline to comply with U.S. Department of Transportation regulations.

Hydrostatic Test Water Discharge Plan

On behalf of EPNG, Kleinfelder is submitting this hydrostatic test water discharge plan for an Individual Discharge Permit pursuant to Section 1201 of 20.6.2 NMAC. In accordance with Section 1201 of 20.6.2 NMAC and NMOCD "Guidelines for Hydrostatic Test Dewatering," (revised January 11, 2007). The discharge plan includes the following:

Item a. Name and address of the proposed discharger;

Legally Responsible Party	Mike Catt, Vice President El Paso Natural Gas Company 2 North Nevada Ave. Colorado Springs, CO 80903
Local Representative	Kenneth Morrow, Manager El Paso Natural Gas Company 2316 W. Bender Blvd. Hobbs, NM 88240 Office: (505) 492-2380, Cell: (505) 390-3716 1-800-334-8047 (24 hour emergency notification)
Or **Local Representative (Alt.)**	Tim Howell El Paso Natural Gas Company 2316 W. Bender Blvd. Hobbs, NM 88240

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(505) 492-3128

Operator El Paso Natural Gas Company
Plains Operating Area

Mailing Address El Paso Natural Gas Company
Plains Operating Area
2316 W. Bender Blvd.
Hobbs, NM 88240

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

Proposed land application of hydrostatic test water will occur on the L30148 pipeline right of way between MP-0.5 and MP-2.5, a total of 2.0 miles (Figure 2c).

No water will be discharged within the radii outlined in item e, within 200 feet of any publicly maintained roadway, or within a wellhead protection area. Non-discharge areas along the course of the pipeline right of way will be posted with signs or flagging to alert tank truck drivers as to where and where not they can discharge.

Item c. Legal description of the discharge location;

The proposed discharge will occur on the pipeline right-of-way upon or within 1/3-mile of the following sections in Lea County, New Mexico:

Section 1, Township 20 South, Range 36 East
Section 6, Township 20 South, Range 37 East
Section 36, Township 19 South, Range 36 East
Section 25, Township 19 South, Range 36 East
Section 24, Township 19 South, Range 36 East
Section 19, Township 19 South, Range 37 East
Section 30, Township 19 South, Range 37 East
Section 31, Township 19 South, Range 37 East

Introduction and removal of discharge water will occur, and water storage tanks will be located within the staging areas in the following sections in Lea County, New Mexico:

Monument Well Water - Section 13, Township 19 South, Range 36 East
Used Hydrostatic Test Water - Section 1, Township 20 South, Range 36 East

(See Figures 2c, 2d, and 3 for discharge locations and staging areas.)

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

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Figure 1 is a regional map showing the general location of the L30148 and L30131 pipelines to be hydrostatically tested. Figures 2a, 2b, 2c, and 2d are site-specific maps showing topography, the pipelines, the test water storage locations, and the discharge locations.

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

i. Within 200 feet of a watercourse, lakebed, sinkhole, or playa lake;

ii. Within an existing wellhead protection area or 100-year floodplain;

iii. Within, or within 500 feet of, a wetland;

iv. Within the area overlying a subsurface mine; or

v. Within 500 feet from the nearest permanent residence, school, hospital, institution or church.

None of the above listed features are present within the required radius limits of the proposed discharge. A search for surrounding water wells was completed to satisfy a portion of this requirement. The WATERS database at the Office of the State Engineer was used in this search and was re-accomplished on July 22, 2008. According to the search, no water wells are located within wellhead protection area radii of the proposed discharge area or staging areas.

Mr. Mike Thomson with the New Mexico Abandoned Mine Lands Program (505-476-3427) was contacted to assess the presence of abandoned subsurface mines in the vicinity of the discharge location and water storage tank staging areas. He searched records and spoke with colleagues to determine if subsurface mines were present. According to Mr. Thomson, there is no evidence of subsurface mines in these areas. A copy of an email from Mr. Thomson is attached in Appendix E.

In addition, Mr. Mark Haag, El Paso Natural Gas Principal Engineer, performed a discharge site visit to look for the presence of watercourses, lakebeds, sinkholes, playa lakes, wells, wetlands, residences, schools, hospitals, institutions, mines and churches. According to Mr. Haag, these items were not observed within the prescribed distances of any proposed discharge location. State Highway 322 crosses the discharge ROW at approximately MP-0.95, and County Road 43 crosses the ROW at approximately MP-2.15. A Certification of Site Criteria from Mr., Haag is attached in Appendix B.

No Federal Emergency Management Administration (FEMA) Flood Insurance Rate Maps of the subject site are available.

No water will be discharged within the radii outlined above (items i. through v.) or within 200 feet of any publicly-maintained roadway. The non-discharge areas within 200 feet of the road crossings will be posted with signs or flagging to alert tank truck drivers as to where and where they cannot discharge.

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

Pressure testing with water, known as hydrostatic testing, is one of the tools pipeline operators use to verify pipeline integrity. The test involves purging the

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natural gas from the pipeline, cleaning the pipeline with an aqueous, non-hazardous cleaning fluid, filling the pipeline with water, then pressurizing the pipeline to a pressure higher than the standard operating pressure for a specified duration of time. The purpose of hydrostatic testing in a pipeline is to determine the extent to which potential defects might threaten the pipeline's ability to sustain maximum allowable operation pressure (MAOP). If leaks or breaks occur, the pipeline is repaired or replaced and then retested. The United States Department of Transportation (USDOT) requires periodic pressurized tests on all USDOT-regulated pipelines and for any newly installed pipelines to verify the integrity and safety of pipeline systems. Approximately 346,000 gallons of fresh water will be supplied for the hydrostatic tests and pipeline cleaning by the EPNG-owned "Monument" well. This water has been sampled and analyzed for the constituents listed in Item j (Appendix D).

Prior to hydrostatic testing of the existing L30131 pipeline, the pipeline will be cleansed using a non-hazardous aqueous cleaning fluid, N-Spec 120 (please see the attached MSD sheet under Appendix A) and then thoroughly rinsed with water from the Monument well to remove any residual cleaning solution, oil, or deleterious substances. It is anticipated that the volume of cleaning solution and rinseate together will not exceed 20,000 gallons. This cleaning fluid and rinseate will be introduced at Mile Post-6 (MP-6) of the L30131 pipeline, located in Sec. 1; T 20 S; R 36 E. The cleaning solution and rinse water will be removed at Valve No. 1, MP-0 on the L30131 and the water will be temporarily stored for characterization in a frac-tank at this location. Following characterization, the water will be transported to Safety-Kleen in Midland, Texas for proper disposal (see item k).

Since the L30148 (Hobbs Lateral) section is new pipeline made of new materials, there will be no cleansing of this section of pipeline.

Approximately 326,000 gallons of water from EPNG's Monument well will be stored in frac tanks in the pipe lay down storage yard 2,400 feet north of MP-3.953 in Section 13, Township 19 South, Range 36 East (Figures 2c and 3).

Two adjacent sections of pipeline will be tested:

1. Approximately 326,000 gallons of potable water from the frac tanks in the lay down yard near MP-3.953 will enter L30148 and will be used to hydrostatically test L30148 from MP-3.953 to EOL (northern half of the pipeline). This water will then be transferred within the pipeline to the southern half of L30148 to test the southern half of this pipeline from MP-0 to MP-3.953. After the testing of this pipeline is complete the water will be transferred to frac tanks at MP-0 of 30148 which coincides with MP-6 of 30131 in Sec. 1; T 20 S; R 36 E until it can be used to test L30131(Figures 2c and 3).
2. If timing allows, instead of transferring the water to the frac tanks in Sec. 1; T 20 S; R 36 E, the water will be transferred directly to L30131. If timing does not allow, this water will be transferred into the frac tanks in Sec. 1; T 20 S; R 36 E and used later to hydrostatically test L30131. Following testing of L30131, the test water will be transferred back into to the frac-

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tanks located in Sec. 1; T 20 S; R 36 E. The water will be sampled and analyzed according to the protocol outlined in "item j". NMOCD will review of the analytical results and if the test water meets the requirements of New Mexico Water Quality Control Commission Regulations 20.6.2.3103, sections A, B, and C, NMAC it will be discharged onto a portion of the L30148 pipeline right of way (Figures 2c and 2d also see items b and c).

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

The 20,000 gallons of N-Spec 120 cleaning solution and rinse water used to clean the L30131 will be removed via a hose attached to Valve No. 1, MP-0 L30131 and be temporarily stored for characterization in a frac-tank at this location.

The 326,000 gallons of water used for hydrostatic testing of both L30131 and 30148 will be stored in frac tanks in Section 13, Township 19 South, Range 36 East *before* hydrostatic testing, then in Section 1, Township 20 South, Range 36 East, *after* hydrostatic testing. Seventeen frac tanks will be staged in the NE/4 of Sec 13; T 19 S, and 23 frac tanks will be staged in the N/2 of Sec. 1; T 20 S; R 36 E (Figures 2c and 3).

The frac tank staging area within the NE/4 of Section 13, Township 19 South, Range 36 East will cover an area approximately 100 feet by 125 feet, or 12,500 square feet, and will be located approximately 2,400 feet north of MP-3.953 (Figure 3).

The frac tank staging area in Section 1, Township 20 South, Range 36 East will cover an area approximately 100 feet by 125 feet, or 12,500 square feet, and will be centered approximately 60 feet to the east of MP-0 of L30148. This staging area is located within a 5-acre environmentally surveyed area on State-owned property (Figures 3 and 5). A letter from Mr. John Lopez, EPNG Land Department is included in Appendix F.

Solids are not anticipated to be produced from the hydrostatic testing.

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

After the NMOCD approves the discharge, EPNG will utilize tanker trucks, equipped with water separator bars to discharge the water onto EPNG's pipeline right-of-way (Figures 2b, 2c, and 2d). No water will be allowed to run off of the right-of-way or cause erosion. Discharge of the water will be performed within the right of way of L30148 between MP-0.5 and MP-2.5 (Figure 2c). The discharge locations will be well outside of the setback distances described in Items b and e, and signs or flagging will be placed along the route to alert tank truck drivers as to where and where not they can discharge.

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

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In the event that the hydrostatic test water is found to be unsuitable for land application, it will be treated by filtration through activated charcoal and/or other applicable media until it meets the NMOCD standards outlined in NMAC 20.6.2.3103 subsections A, B, and C and then applied to the land surface on the designated discharge area after recieving NMOCD approval.

Item j. A proposed hydrostatic test wastewater sampling plan;

Analytical sampling for the hydrostatic test water will consist of one baseline sample from the water source, and two composite pre-discharge samples.

Analytical data from the baseline samples will help to establish initial quality of the test water before introduction to the pipelines (Appendix D).

Analytical data from the post-hydrostatic test water will be used to determine if the water is suitable for discharge:

20,00 gallons of N-Spec 120 cleaning solution and rinse water used to clean the L30131 will be removed via a hose attached to Valve No. 1, MP-0 L30131 and be temporarily stored for characterization in a frac-tank at this location.

1. After cleaning and rinsing, the 20,000 gallons of N-Spec 120 cleaning solution and rinse water used on the L30131 pipeline will be transferred into a frac-tank and a pre-disposal sample will be collected and submitted to an EPA-approved analytical laboratory.
2. After the hydrostatic tests of L30131 and L30148, the approximately 326,000 gallons of water will be transferred from the pipeline into frac-tanks located in Sec. 1; T 20 S; R 36 E (Figures 2b and 3). A pre-discharge composite sample will be collected from these tanks and submitted to an EPA-approved analytical laboratory.

The sample of N-Spec cleaning fluid and rinseate solution used to clean L30131 will be analyzed for corrosivity, ignitability, reactivity, and toxicity.

Both baseline and pre-discharge hydrostatic test water samples will be analyzed to ensure that it meets standards outlined in NMAC 20.6.2.3102, sections A, B, and C. Analytical results will be submitted to the NMOCD presenting the results and making a recommendation for disposal of the hydrostatic test water.

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

All fluids will be containerized, tested and then discharged or transported for disposal as described under item i. and f. No solid waste is anticipated. In the event that the hydrostatic test water is found to be unsuitable for land application, it will be treated by filtration through activated charcoal and/or other media as appropriate until it meets the NMOCD standards outlined in NMAC 20.6.2.3103 subsections A, B, and C. Analytical results will be submitted to the NMOCD

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presenting the results and making a recommendation for disposal of the hydrostatic test water.

The 10,000 gallons of cleaning solution and 10,000 gallons of rinseate water used to clean L30131 before hydrostatic testing will be transported off-site via USDOT-approved tanker trucks for treatment and disposal at Safety Kleen of Midland, Texas, EPA #396090019, transporter #TXD 062287883. Safety Kleen, 10607 West County Road 127, PO Box 60756, Midland, TX 79711, phone: (432) 563-2305.

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

The discharge will be tested in accordance with the guidelines noted in Item j. to assess if the constituent concentrations in the water meet the New Mexico Water Quality Control Commission Regulations 20.6.2.3103, subsections A, B, and C. The approximate volume of the discharge is expected to be 326,000 gallons. Based on historical data collected from previous hydrostatic test events using similar cleaning techniques before introducing the test water, the quality of the discharged water is expected to meet regulatory limits.

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

The proposed discharge is located in an area with little topographic relief. Rock below the area consists of clastic, carbonate, and evaporate sedimentary rocks ranging from Ordovician through Triassic in age. The Permian-age formations are an important local source of oil and natural gas. These rocks are draped by alluvial sediments of Quaternary age ranging from 30 to 60 feet in thickness consisting of sand, gravel, silt, and clay.

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

Site Hydrology

The proposed discharge is located in the Pecos River Basin in southern Lea County, New Mexico (Figure 4). The area has no perennial streams, but there are a few ephemeral streams and broad drainages.

Site Hydrogeology

Groundwater is encountered at a depth of 40 to 59 feet below the ground surface (domestic well owned by Mr. James Byrd, located in the NE/4; NE/4; NE/4; Sec 1; T20S; R36E, and a commercial well owned by Chevron USA located in the NE/4; SE/4; Sec 24; T 19S; R 36E). The Ogallala Formation containing the Ogallala aquifer is the principal source of domestic and industrial water in the area. The Ogallala Formation overlies the relatively impermeable Chinle Formation and dips to the southeast, generally parallel to the underlying Chinle Formation and present-day subsurface. The Ogallala aquifer is unconfined in some areas where it comes in contact with Pleistocene alluvium. The general hydraulic gradient of 10 to 12 feet per mile (approximately 0.002 ft/ft) generally flows to the southeast (Cronin,

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1969). The lateral movement of groundwater in this aquifer has been estimated to range from two inches per day (Cronin, 1969) to more than a foot per day (Minton, n.d.).

Water Quality

Water quality of the Ogallala aquifer in the area is mostly of slightly saline to moderately saline as defined as water containing 1,000 to 10,000 milligrams per liter (mg/L) of total dissolved solids (TDS) (Hem, 2005). Water above 3,000 mg/L TDS is considered water of limited use (Howells, 1990). According to the New Mexico State Engineer's Office, groundwater in this formation is deteriorating in quality (Boyer et al., 1980). Water samples collected by EPNG in January 1981 from eight privately-owned shallow wells in the vicinity had TDS values ranging between 707 and 4230 mg/L (Table 1).

Groundwater from formations below the Ogallala Formation contains higher concentrations of dissolved solids, primarily chloride and sulfate salts (Bureau of Reclamation, 1976). Triassic-age formations have also yielded acceptable potable water but in low to moderate quantities. The deeper Permian formation contains water of saline to brine quality. These waters are generally not used for domestic purposes, but may be used for injection into oil and gas fields for secondary recovery.

Item o. Identification of landowners at and adjacent to the discharge and collection/retention site.

Landowners within 1/3-mile of the proposed discharge:
(See Figure 5, Property Owner Map)

Mr. Jimmie T, Cooper
BOX 55
MONUMENT, NM 88265
505-397-2045
SE/4; SE/4; Sec 24; T 19S; R 36E
N/2; Sec 19; T 19S; R 36E
NW/4; Sec 25; T 19S; R 36E

Apache Corporation/Leaco Exploration
17 Hess Lane
Monument New Mexico 88265
N/2; NE/4; Sec 36; T 19S; R 36E

Versado Gas Processors Operated by Targa Resources, Inc
Mr. Todd Young
P.O. Box 67
Monument, New Mexico 88265
SW/4; SE/4; Sec 36; T 19S; R 36E

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Chevron USA
Mr. Rodney Bailey
15 Smith Road
Midland, TX 79705
(432) 894-3519
SE/4; SE/4; Sec 36; T 19S; R 36E

Mr. James R. Byrd
P.O. Box 32
Monument, New Mexico 88265
N/2 and SW/4; NW/4; NE/4; Sec 1; T 20S; R 36E
NW/4; NW/4; SE/4; Sec 1; T 20S; R 36E
NW/4; NW/4; Sec 6; T 20S; R 37E
W/2; Sec 31; T 20S; R 37E

Lee Partners
P.O Box 4967
Houston, TX 77210-4967
4.8-acre plot within SE/4; SW/4; SE/4; Sec 1; T 20S; R 36E

NM State Land Office – Hobbs District
2702 – D North Grimes
Hobbs, NM 88240
(Remaining land within 1/3-mile of the discharge, see Figure 5)

Landowners of the collection/retention sites:

El Paso Natural Gas Company
2 North Nevada Ave.
Colorado Springs, CO 80903
All of Sec 13; T 19S; R 36E (Tank staging area is within the NE/4; of this section, 17 tanks, Figures 2c and 3)
SE/4; NW/4; Sec 5; T 21S; R 36E (Staging area for the N-Spec 120 cleaner and rinse water)

NM State Land Office – Hobbs District
2702 – D North Grimes
Hobbs, NM 88240

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Boyer, D. G., D. McQuillan, and M.S. Goad, *New Mexico Surface Impoundment Assessment*, Water Pollution Control Bureau, New Mexico Environmental Improvement Division, Santa Fe, NM, 1980.

Cronin, J. G., *Ground Water in the Ogallala Formation in the Southern High Plains of Texas and New Mexico*, Hydrologic Investigations, Atlas HA-330, USGS, Washington, DC, 1969.

Hem, J. D., *Study and Interpretation of the Chemical Characteristics of Natural Water*, Geological Survey Water-Supply Paper 1473, Reprinted from the 1970 edition, University Press of the Pacific, 2005.

Howells, L., *Base of Moderately Saline Ground Water in San Juan County, Utah*, Utah Department of Natural Resources Technical Publication no. 94,35 p. 1990.

Minton, E. G., *General Ground Water Supply on the High Plains of New Mexico*, Lea County Ground Water Conservation, Lovington, NM, no date.

Nicholson, A. and A Clebsch, *Geology and Ground Water Conditions in Southern Lea County, New Mexico*, Ground Water Report No. 6, State Bureau of mines and Mineral Resources, New Mexico Institute of Mining and Technology, Socorro, NM, 1961.

Saylor, L. A., *Eunice "B" Compressor Station Discharge Plan*, El Paso Natural Gas, 1993.

U.S. Bureau of Reclamation, *Eastern New Mexico Water Supply Project, New Mexico*, Final Environmental Statement, Department of the Interior, Washington, DC, 1976.

Figures

SOURCE: Map provided by national*atlas*.com. *NTS*

LEGEND

★ = Site Location

KLEINFELDER	REGIONAL MAP OF DISCHARGE LOCATION		FIGURE 1
Originator: M. Wikstrom	Drawn By: PDan	Date: April 2008	
Approved By: D. Janney	Project No.: 93123	Drawing No.: 93123_05_0	
	Scale: NTS	Drawing Category: A	

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Matchline A Figure 2b

Monument Station

EOL, 30131

MP-0, 30148
MP-6, 30131

MP-5, 30131

MP-4, 30131

MP-3, 30131

MP-2, 30131

MP-1, 30131

Eunice C Output

Valve 1 MP-O

LEGEND

= Pipeline # 30131

= Pipeline # 30148 (New Pipeline)

3000 0 1500 3000 ft

SCALE: 1" = 3000'

KLEINFELDER	PIPELINE MAP 30131 - Pipeline Hobbs, New Mexico		FIGURE 2a
Originator: M. Wikstrom	Drawn By: PDan	Date: April 2008	
Approved By: E. Shannon	Project No.: 93123	Drawing No.: 93123_02_0	
	Scale: 1" = 3000'	Drawing Category: A	

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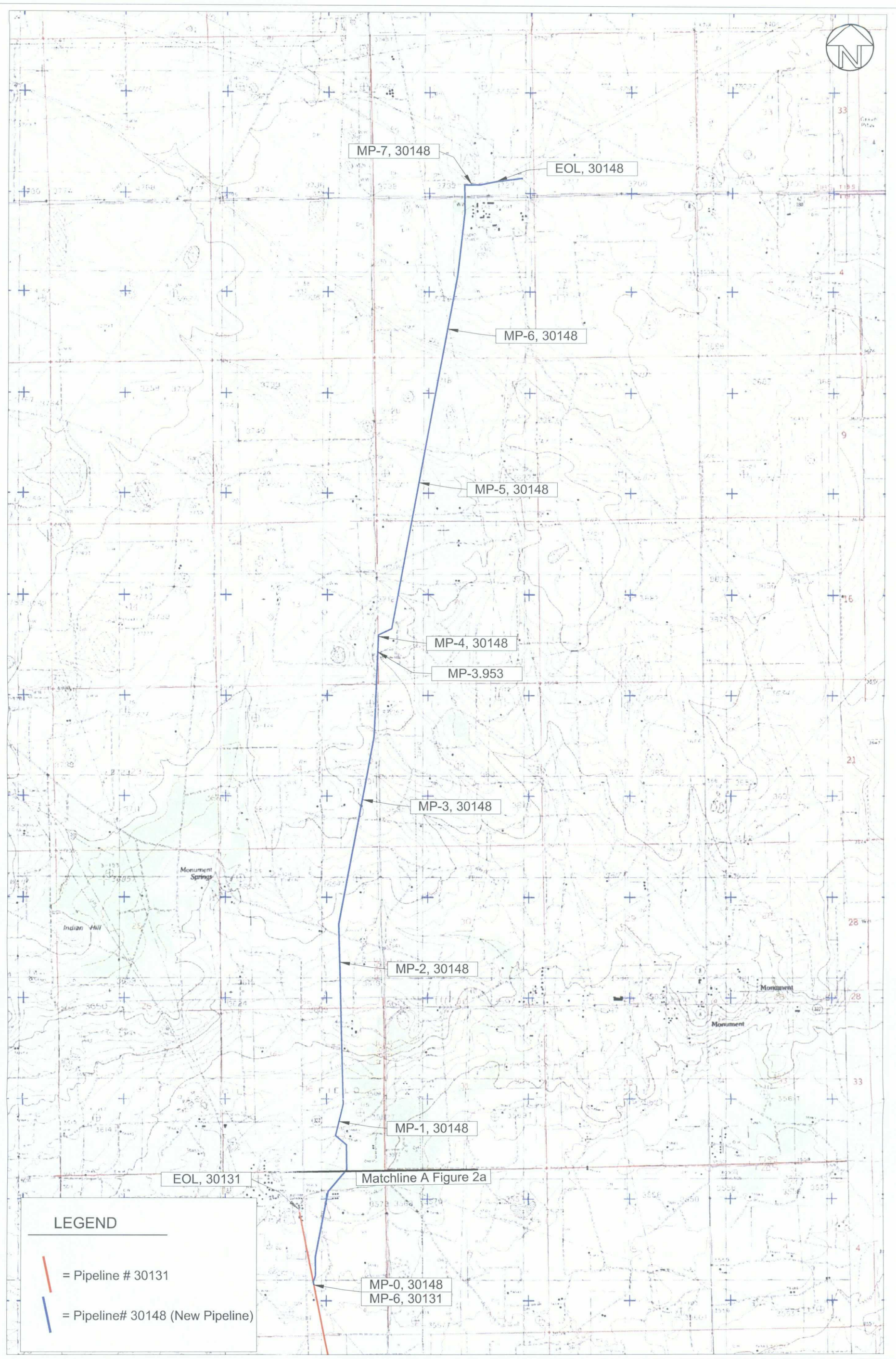

3000 0 1500 3000 ft

SCALE: 1" = 3000'

KLEINFELDER	PIPELINE SECTIONS 30148 - Pipeline Hobbs, New Mexico		FIGURE 2b
Originator: M. Wikstrom	Drawn By: PDan	Date: April 2008	
Approved By: D. Janney	Project No.: 93123	Drawing No.: 93123_02_0	
	Scale: 1" = 3000'	Drawing Category: A	

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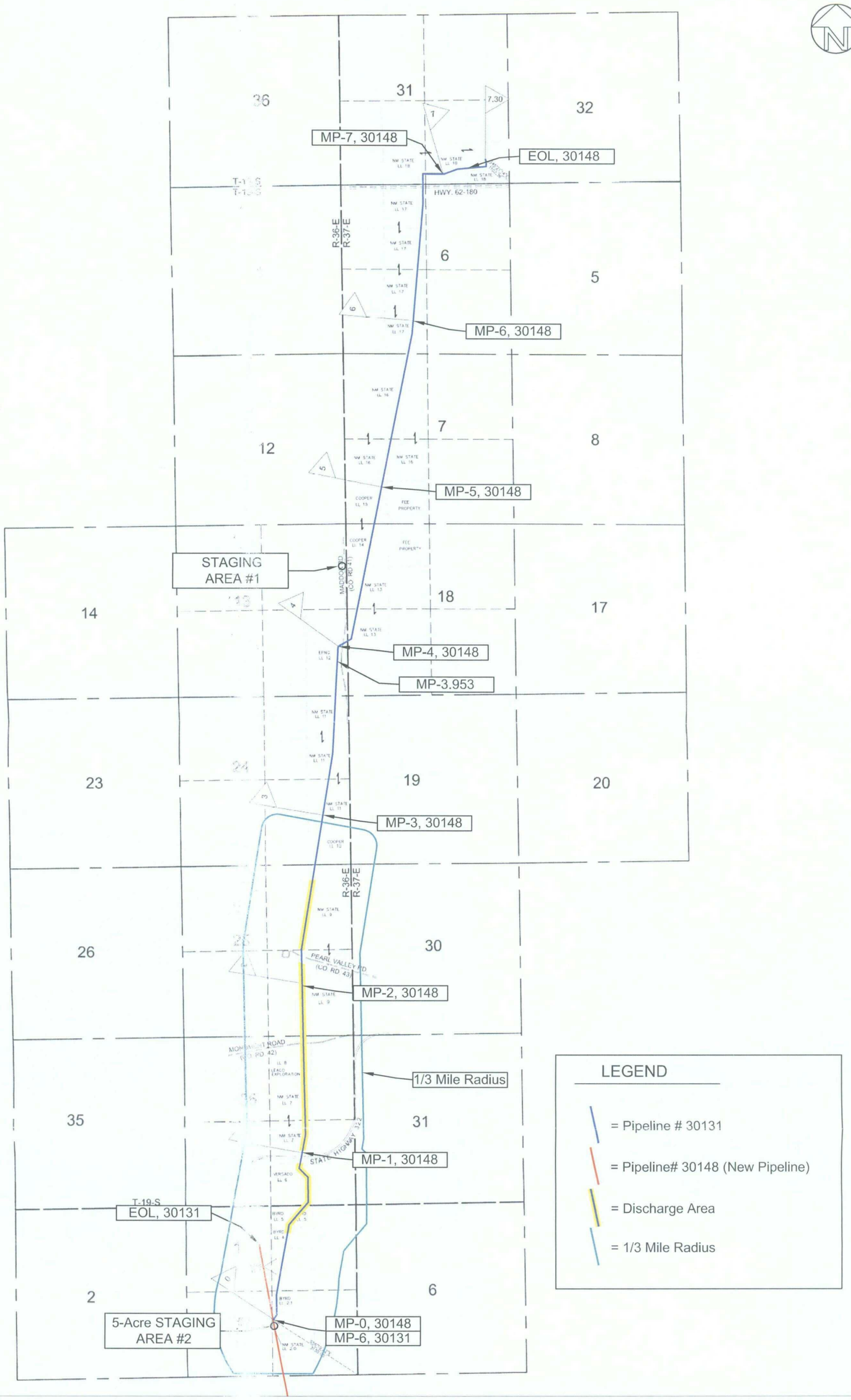

KLEINFELDER

PIPELINE SECTIONS SHOWING DISCHARGE LOCATIONS AND LAND OWNERS - 30148 - Pipeline
Hobbs, New Mexico

FIGURE 2C

Originator: M. Wikstrom	Drawn By: PDan	Date: September 2008
Approved By: D. Janney	Project No.: 93123	Drawing No.: 93123_02_0
	Scale: 1" = 3000'	Drawing Category: A

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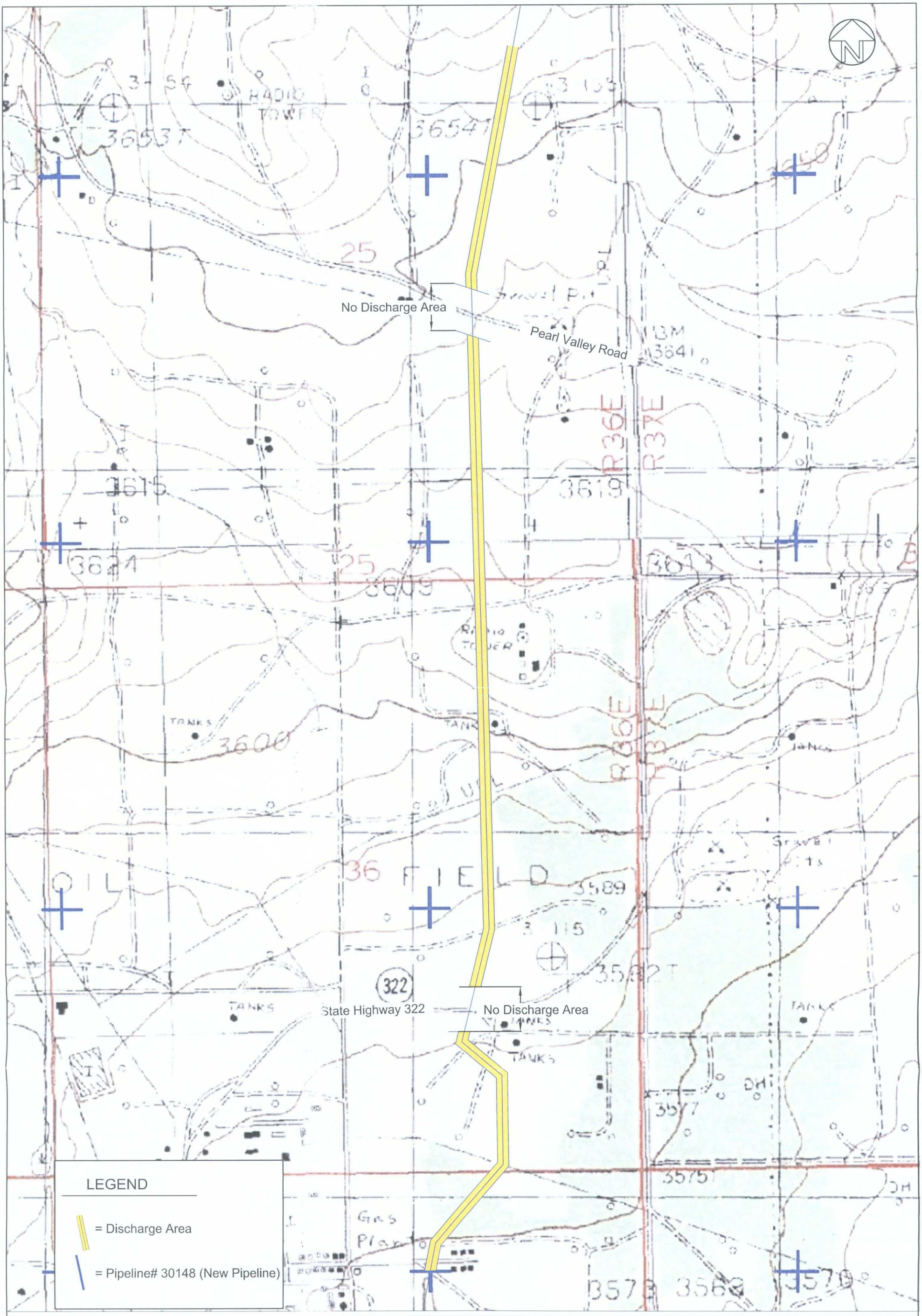

KLEINFELDER	Right of Way Discharge 30148 - Pipeline Hobbs, New Mexico		FIGURE 2d
Originator: M. Wikstrom	Drawn By: PDan	Date: Sept 2008	
Approved By: D. Janney	Project No.: 93123	Drawing No.: 93123_02_0	
	Scale: 1" = 3000'	Drawing Category: A	

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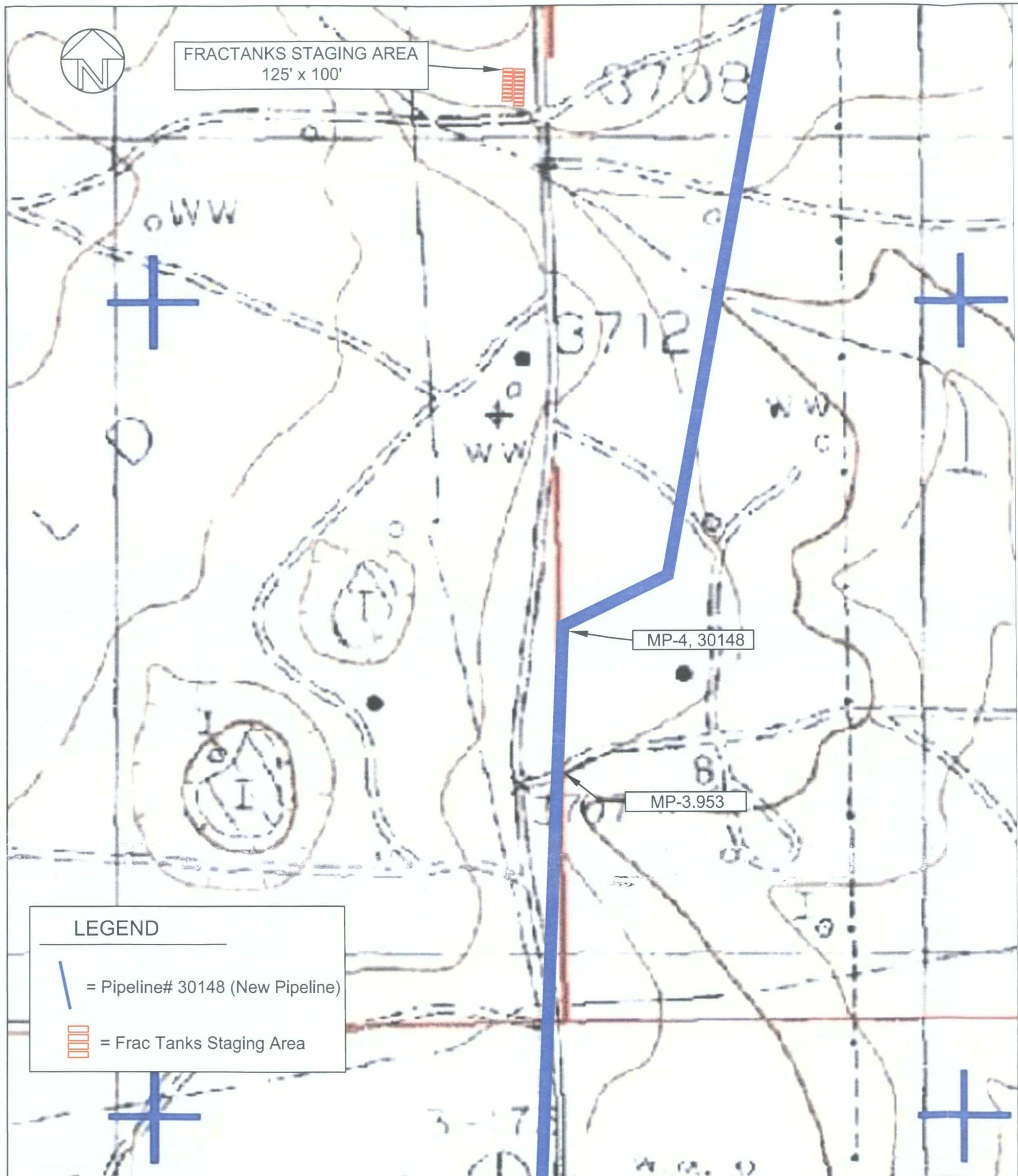
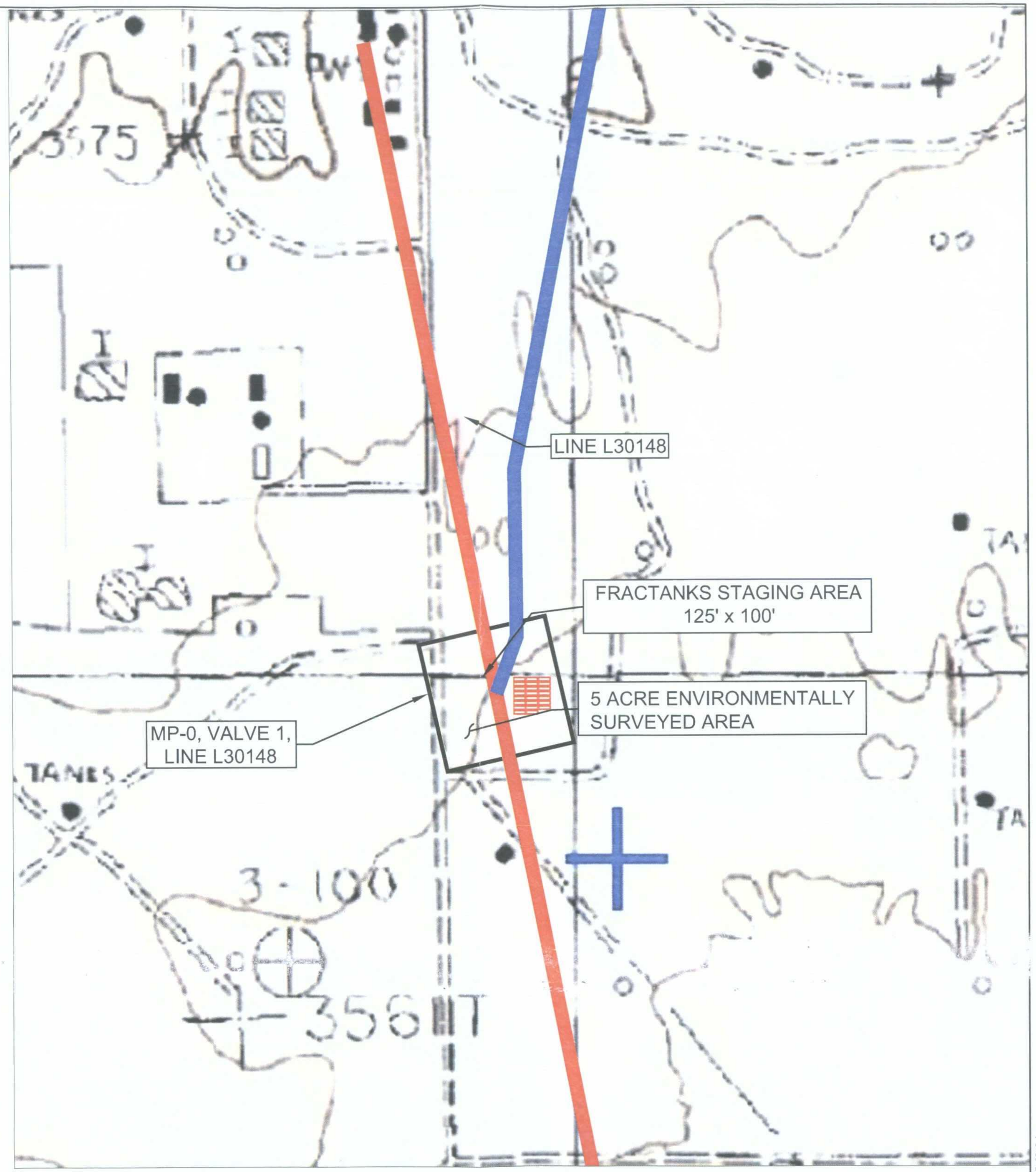


TANK STAGING AREA #1 (FRESH WATER)

NE ¼ OF SECTION 13, TOWNSHIP 19S, RANGE 36E
(SEE FIGURE 2C FOR LOCATION)

500 0 250 500 ft
SCALE: 1" = 500'



TANK STAGING AREA #2 (USED WATER)

S ½ OF SECTION 1, TOWNSHIP 20S, RANGE 36E
(SEE FIGURE 2C FOR LOCATION)

KLEINFELDER	WATER STORAGE TANK LOCATION MAP **MP - 3.953 30148 Pipeline** Hobbs, New Mexico		FIGURE **3**
Originator: M. Wikstrom	Drawn By: PDan	Date: August 2008	
Approved By: D. Janney	Project No.: 93123	Drawing No.: 93123_02_0	
	Scale: 1" = 500'	Drawing Category: A	

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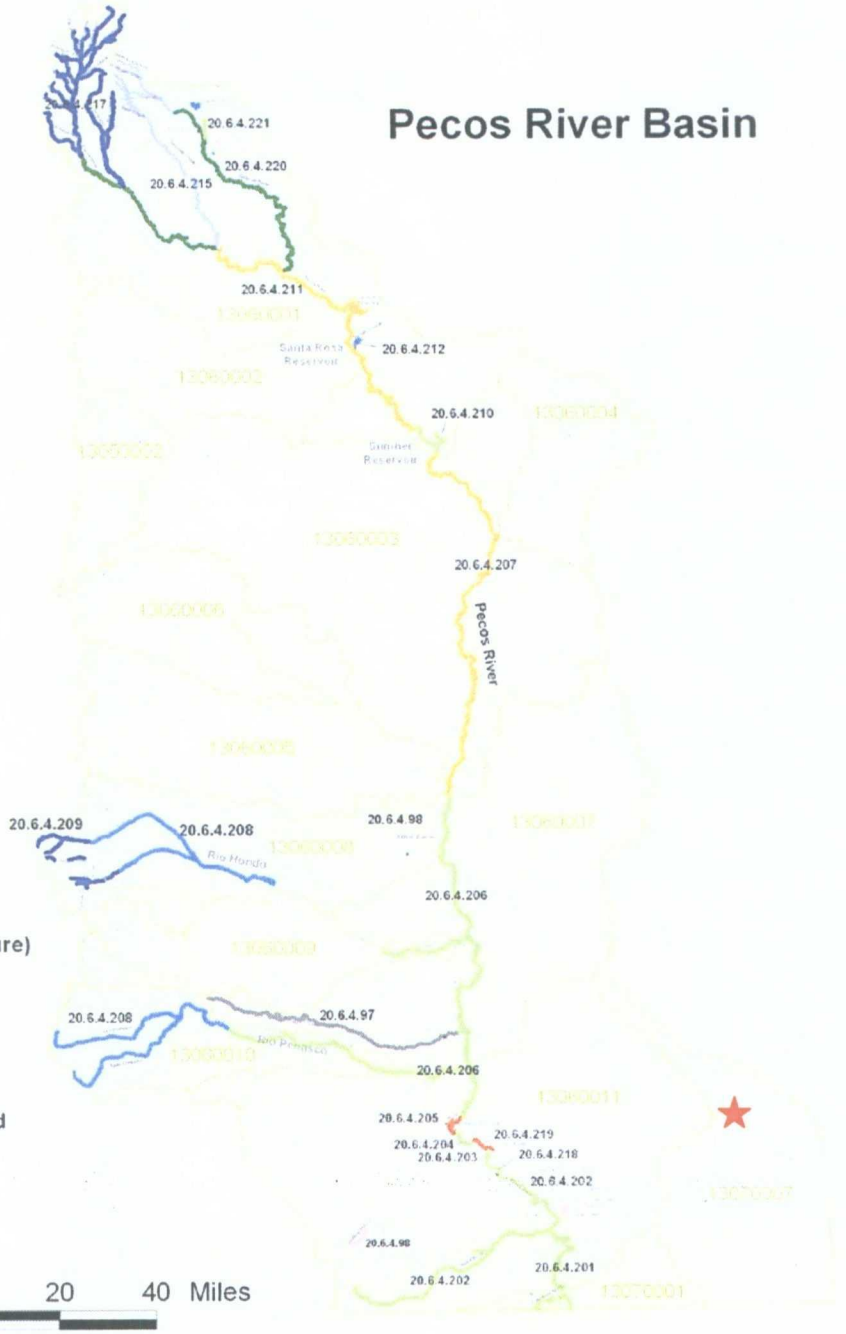
Pecos River Basin

LOCATION



8 Digit Hydrologic Units

Designated Aquatic Life Uses

- Aquatic life
- Coldwater aquatic life
- High quality coldwater aquatic life
- High quality coldwater aquatic life (fish culture)
- Limited aquatic life
- Marginal coldwater aquatic life
- Marginal warmwater aquatic life
- Warmwater aquatic life
- Warmwater aquatic life, irrigation storage
- Drainage
- * Surface Water Standard Segments - labeled

Data Sources:
National Hydrography Dataset 2004
USGS/NRCS Hydrologic Units 2006

Projection: State Plane
Datum: NAD 83

SOURCE: Map acquired from http://www.nmenv.state.nm.us/NMAtlas/printablemaps/printablemaps.html

LEGEND

★ TEST SITE

KLEINFELDER	GROUNDWATER ATLAS MAP Pecos River Basin		FIGURE 4
Originator: M. Wikstrom	Drawn By: PDan	Date: April 2008	
Approved By: D. Janney	Project No.: 93123	Drawing No.: 93123_05_0	
	Scale: 1" = 20 mi	Drawing Category: A	

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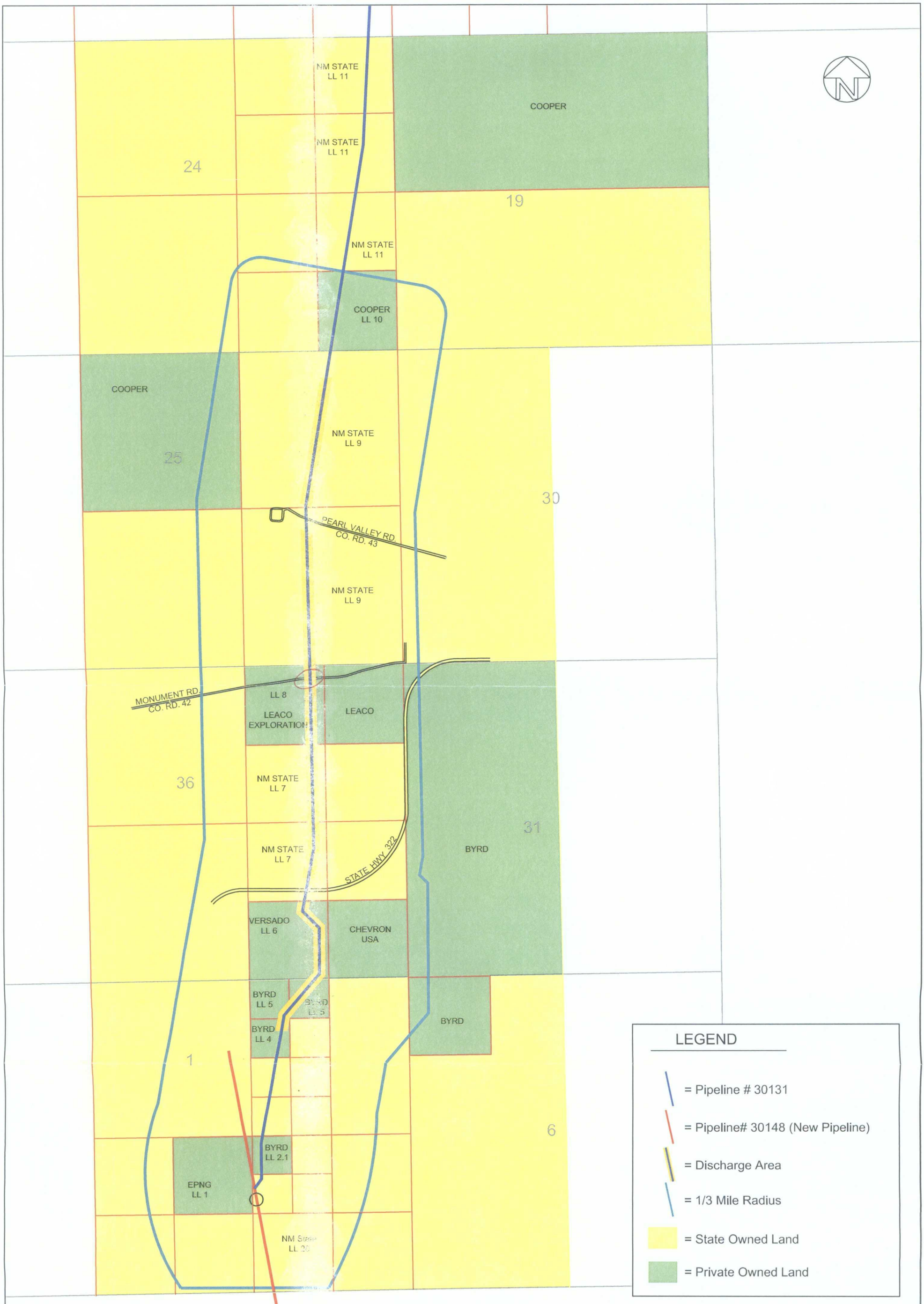

KLEINFELDER

PROPERTY OWNERS MAP
Hobbs, New Mexico

Originator: M. Wikstrom	Drawn By: PDan	Date: September 2008
Approved By: D. Janney	Project No.: 93123	Drawing No.: 93123_02_0
	Scale: 1" = 3000'	Drawing Category: A

FIGURE 5

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Tables

Table 1, Groundwater Quality and Analytical Results, (El Paso Natural Gas 1981)

Analyses of Well Water from the Ogallala Formation
Located near El Paso Natural Gas Company's Eunice and Monument Plants

Constituent	Well Designation[1]							
	L[1]	M[2]	N[3]	P[4]	Q[5]	R[6]	S[7]	T[8]
Sulfate (SO_4), mg/L	124	1780	145	72	480	140	380	1480
Chloride (Cl), mg/L	1385	1078	220	35	407	89	145	624
Nitrate (NO_3 as N), mg/L	0	0	4.5	3	5	9.5	0	0
Specific Conductance, mmhos/cm	4100	4800	1100	495	2010	850	1560	4000
pH	7.2	7.15	7.8	7.75	7.85	8.1	8.7	8.05
Total Dissolved Solids, mg/L	3801	4230	874	396	1684	707	1172	3162
Chromium (Cr), mg/L	.01	.01	0	0	.01	0	0	.01
Copper (Cu), mg/L	.05	.05	.05	0	.05	0	0	0
Iron (FE), mg/L	.03	.01	0	0	.01	.01	0	.01
Manganese (Mn), mg/L	.17	.10	0	0	.03	.02	0	.03
Zinc (Zn), mg/L	.10	.75	.10	.70	1.25	.10	0	.05

1/ Windmill 1/4 mile East of Monument Plant (East of Union Texas Britt Well #3).
2/ Windmill 1/2 to 3/4 miles SE of Eunice Plant.
3/ Windmill one mile NW of Monument Plant.
4/ Jim Cooper Ranch Home one mile NW of Monument Plant.
5/ Windmill 1/4 to 1/2 mile SE of Eunice Plant.
6/ Sam Hardy Home 1/4 mile East of Eunice Plant. (Continental Oil Company, East 1/2 mile of house).
7/ Deck Ranch windmill 1/4 mile NW of Eunice Plant.
8/ Millard Deck Ranch windmill 1/2 mile North of Eunice Plant.

APPENDIX A
MSD Sheet for N-Spec 120 Cleaner

Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

Common Name	N-SPEC 120 Cleaner
Supplier	Coastal Chemical Co., L.L.C. 3520 Veterans Memorial Drive Abbeville, LA 70510 337-893-3862
Synonym	Not available.
Trade name	Not available.
Material Uses	Not available.
Manufacturer	Coastal Chemical Co., L.L.C. 3520 Veterans Memorial Drive Abbeville, LA 70510 337-893-3862

Code	
MSDS#	Not available.
Validation Date	9/2/2004
Print Date	9/2/2004
Responsible Name	Charles Toups

In Case of Emergency: Transportation Emergency Call CHEMTREC 800-424-9300 Other Information Call Charles Toups 337-261-0796

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits
Confidential infomation			

Section 3. Hazards Identification

Physical State and Appearance: Liquid.

Emergency Overview:
CAUTION!
MAY CAUSE EYE IRRITATION.
MAY CAUSE SKIN IRRITATION.
MAY BE HARMFUL IF SWALLOWED.
Keep away from heat, sparks and flame. Avoid contact with eyes. Do not ingest. Avoid prolonged or repeated contact with skin. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

Routes of Entry: Eye contact. Inhalation. Ingestion.

Potential Acute Health Effects

Eyes: Hazardous in case of eye contact (irritant). Inflammation of the eye is characterized by redness, watering, and itching.

Skin: Irritation of the product in case of skin contact: Not available.
Hazardous in case of skin contact

Inhalation: Hazardous in case of inhalation.

Ingestion: Hazardous in case of ingestion.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Not available.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.

Medical Conditions Aggravated by Overexposure: Repeated or prolonged exposure is not known to aggravate medical condition.

Overexposure /Signs/Symptoms: Not available.

See Toxicological Information (section 11)

Continued on Next Page

Section 4. First Aid Measures

Eye Contact	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Get medical attention immediately.
Skin Contact	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cold water may be used.Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.
Notes to Physician	Not available.

Section 5. Fire Fighting Measures

Flammability of the Product	Not available
Auto-ignition Temperature	Not available.
Flash Points	Tested - No Flash present
Flammable Limits	Not available.
Products of Combustion	These products are carbon oxides (CO, CO2), sulfur oxides (SO2, SO3...).
Fire Hazards in Presence of Various Substances	Not available.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use alcohol foam, water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.
Protective Clothing (Fire)	Be sure to use an approved/certified respirator or equivalent.
Special Remarks on Fire Hazards	No additional remark.
Special Remarks on Explosion Hazards	Not available.

Section 6. Accidental Release Measures

Small Spill and Leak	The concentrated form of this material is a cleaner. During application, hazardous material on the apparatus or structure being cleaned may become part of the cleaning solution. Check with all applicable regulations before disposing of the material created during application.
Large Spill and Leak	The concentrated form of this material is a cleaner. During application, hazardous material on the apparatus or structure being cleaned may become part of the cleaning solution. Check with all applicable regulations before disposing of the material created during application.

Continued on Next Page

Section 7. Handling and Storage

Handling	Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Use explosion-proof electrical (ventilating, lighting and material handling) equipment.
Storage	Keep container tightly closed and in a well-ventilated place.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
Personal Protection	
Eyes	Safety glasses.
Body	Lab coat.
Respiratory	Wear appropriate respirator when ventilation is inadequate.
Hands	Impervious gloves.
Feet	Not applicable.
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Product Name	Exposure Limits
Confidential infomation	

Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid.
Molecular Weight	Not applicable.
Molecular Formula	Not applicable.

Odor	Not available.
Taste	Not available.
Color	Blue. (Dark.)

pH (1% Soln/Water)	6 to 8 [Neutral.]
Boiling/Condensation Point	The lowest known value is 100°C (212°F) (Water). Weighted average: 140.43°C (284.8°F)
Melting/Freezing Point	May start to solidify at 0°C (32°F) based on data for: Water. Weighted average: -46.19°C (-51.1°F)
Critical Temperature	Not available.
Specific Gravity	0.9 to 0.98 (Water = 1)
Vapor Pressure	The highest known value is 2.3 kPa (17.2 mm Hg) (at 20°C) (Water). Weighted average: 1.17 kPa (8.78 mm Hg) (at 20°C)
Vapor Density	The highest known value is 5.11 (Air = 1). Weighted average: 2.93 (Air = 1)
Volatility	Not available.
Odor Threshold	The highest known value is 34.6 ppm
Evaporation Rate	0.02 compared to Butyl acetate
VOC	Not available.

Continued on Next Page

Viscosity	Not available.
$LogK_{ow}$	The product is much more soluble in water.
Ionicity (in Water)	Anionic.
Dispersion Properties	See solubility in water, methanol, diethyl ether.
Solubility	Easily soluble in cold water, hot water, methanol, diethyl ether. Insoluble in n-octanol.
Physical Chemical Comments	Not available.

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Conditions of Instability	Not available.
Incompatibility with Various Substances	Reactive with oxidizing agents, acids. Slightly reactive to reactive with reducing agents.
Hazardous Decomposition Products	Not available.
Hazardous Polymerization	Will not occur.

Section 11. Toxicological Information

Toxicity to Animals	Acute oral toxicity (LD50): 1900 mg/kg [Rat]. Acute dermal toxicity (LD50): 9510 mg/kg [Rabbit].
Chronic Effects on Humans	No additional remark.
Other Toxic Effects on Humans	Hazardous in case of eye contact (irritant), of ingestion, of inhalation. Hazardous in case of skin contact (irritant). Slightly hazardous in case of skin contact (sensitizer).
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Not available.
Special Remarks on Other Toxic Effects on Humans	Material is irritating to mucous membranes and upper respiratory tract.

Section 12. Ecological Information

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Biodegradable/OECD	Not available.
Mobility	Not available.
	These products are carbon oxides (CO, CO_2) and water, nitrogen oxides (NO, NO_2...), sulfur oxides (SO_2, SO_3...), phosphates. Some metallic oxides.
Toxicity of the Products of Biodegradation	The products of degradation are less toxic than the product itself.

Continued on Next Page

Special Remarks on the Products of Biodegradation	Not available.

Section 13. Disposal Considerations

Waste Information	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Waste Stream	Not available.

Consult your local or regional authorities.

Section 14. Transport Information

Shipping Description	Not a DOT controlled material (United States). Not regulated.
Reportable Quantity	11061.8 lbs. (5016.7 kg)
Marine Pollutant	Not regulated - Alkylaryl sulfonate amine salt - less then 10 % .
Special Provisions for Transport	Contains alkylbenzenesulfonate

Section 15. Regulatory Information

HCS Classification	CLASS: Target organ effects.
U.S. Federal Regulations	TSCA 8(a) PAIR: contains Alkylbenzenesulfonate SARA 302/304/311/312 extremely hazardous substances: No products were found. SARA 302/304 emergency planning and notification: No products were found. SARA 302/304/311/312 hazardous chemicals: No products were found. SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found. SARA 313 toxic chemical notification and release reporting: No products were found. Clean Water Act (CWA) 307: No products were found. Clean Water Act (CWA) 311: No products were found. Clean air act (CAA) 112 accidental release prevention: No products were found. Clean air act (CAA) 112 regulated flammable substances: No products were found. Clean air act (CAA) 112 regulated toxic substances: No products were found.
International Regulations	
EINECS	Not available.
DSCL (EEC)	Risk to eyes. May cause irriationby skin contact. R322- May be harmful if swallowed. R36/38- Irritating to eyes and skin.
International Lists	No products were found.
State Regulations	Pennsylvania RTK: Dipropylene glycol monomethyl ether; Trade Secret; Gylcol Ether PNB Florida: Dipropylene glycol monomethyl ether; Ethanol Minnesota: Dipropylene glycol monomethyl ether Massachusetts RTK: Dipropylene glycol monomethyl ether; Ethanol New Jersey: Ethanol; Gylcol Ether PNB WARNING: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: Ethanol

Continued on Next Page

Section 16. Other Information

Label Requirements

MAY CAUSE EYE IRRITATION.
MAY CAUSE SKIN IRRITATION.
MAY BE HARMFUL IF SWALLOWED.

Hazardous Material Information System (U.S.A.)

Health	*	1
Flammability		0
Reactivity		0
Personal Protection		B

National Fire Protection Association (U.S.A.)

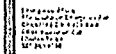
References Not available.

Other Special Considerations Not available.

Validated by Charles Toups on 9/2/2004.

Verified by Charles Toups.

Printed 9/2/2004.



Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

APPENDIX B
Certification of Siting Criteria

Certification of Siting Criteria, Hydrostatic Discharge on Line 30148 Right of Way, and Water Tank Staging Areas

I, Mark Haag, have performed a site visit and visual inspection to look for the presence of watercourses, lakebeds, playa lakes, residences, schools, hospitals, churches, evidence of underground mines, water wells, and institutions within the specified distances (listed below) of the right of way (ROW) of the proposed discharge location along line 30148 (between MP-0.5 and MP-2.5) and the proposed staging area locations in Section 13, Township 19 South, Range 36 East, and Section 1, Township 20 South, Range 36 East. State highway 322 runs across the discharge location at MP-0.95, and County road 43 crosses the discharge area at MP-2.15. Discharge will not take place within 200 feet of these roads. Before discharge, signs will be posted along the ROW to inform water truck drivers to stop discharging within 200 feet of the roads.

Mark A Haag

Mark Haag
Principal Engineer

9/12/2008
Date

i. ***Within 200 feet of a watercourse, lakebed, sinkhole, or playa lake;***

ii. ***Within an existing wellhead protection area or 100-year floodplain;***

iii. ***Within, or within 500 feet of, a wetland;***

iv. ***Within the area overlying a subsurface mine; or***

v. ***Within 500 feet from the nearest permanent residence, school, hospital, institution or church.***

APPENDIX C
Public Notice in Spanish and English

AVISO PÚBLICO

El Ministerio de Transporte de Estados Unidos (USDOT) requiere pruebas a presión periódicas en todas las tuberías USDOT-reguladas. La compañía de gas natural de El Paso (EPNG) da por este medio el aviso que el uso siguiente del permiso de la descarga se ha sometido a la división de la conservación de aceite del nanómetro (NMOCD) de acuerdo con la subdivisión B, C, E, y F del código administrativo de 20.6.2.31 08 New México. La dirección local del correo de EPNG es: Gas natural de El Paso, 2316 bulevares del oeste del doblador., Hobbs, nanómetro 88240.

EPNG ha presentado una solicitud para la descarga hidrostática del agua de la prueba que ocurrirá en el derecho de paso de la tubería en las secciones 24, 25, y 36; El municipio 19 del sur; Gama 36 del este, y sección 1; El municipio 20 del sur; Gama 36 del este, en condado del pasto, Neuvo México. La localización de la descarga está a aproximadamente 11 millas de sudoeste de Hobbs, del nanómetro, y de 2.5 millas al oeste del monumento, nanómetro. Para alcanzar la localización de la descarga de Hobbs, viaje 8 millas del oeste en los E.E.U.U. 180 a su intersección con la ruta del estado (SENIOR) 8. En el SENIOR 8, viajan 5 millas de del sur al monumento. Del monumento, viajan 2.5 millas de del oeste en el camino del condado (CR) 42 a la intersección con el CR 46. La descarga ocurrirá a lo largo del CR 46 para una distancia aproximada de 1.5 millas de norte de esta intersección y una distancia aproximada de 1.5 millas de sur de esta intersección.

El propósito (prueba con agua) de la prueba hidrostática de la tubería es determinar el grado a cual los defectos potenciales pudieron amenazar a la capacidad de la tubería de sostener la presión máxima permitida de la operación. La prueba implica el purgar del gas natural de la tubería, limpiando la tubería con un quitamanchas acuoso, non-hazardous, rellenar la tubería con agua, después presurizando la tubería a una presión más alta que la presión de funcionamiento estándar para una duración especificada del tiempo. La tubería existente L30131 y la nueva tubería L30148 (lateral de Hobbs) cada uno hidrostático serán probadas. Antes de la prueba hidrostática, el L30131pipeline existente será limpiado usando aproximadamente 10.000 galones de un acuoso y el quitamanchas non-hazardous, N-Espec. 120 y entonces aclarado a fondo con aproximadamente 10.000 galones riega para quitar cualquier solución residual de la limpieza, aceite, o sustancia deletérea. El volumen de solución y de rinseate de la limpieza de junto no excederá 21.000 galones y será almacenado en la característica situada en la estación del compresor de Eunice C, sección 5 de EPNG; El municipio 21 del sur; Gama 36 del este. Una muestra compuesta de del quitamanchas y de la solución del rinseate será analizada para la corrosividad, el ignitability, la reactividad, y la toxicidad además de los estándares de los estándares de la Comisión del control de calidad del agua del nanómetro (WQCC) descritos más abajo. Esta agua será transportada para la disposición apropiada a la seguridad Kleen en el Midland, Tejas.

Hasta 346.000 galones de agua inusitada fresca, pompeados del monumento de EPNG bien, serán almacenados inicialmente en los tanques de 21.00 galones (los frac-tanques) situados en una porción de la sección 13; El municipio 19 del sur; Gama 36 del este. Puesto que la sección L30148 es nueva tubería hecha de nuevos materiales, no se anticipa que el limpiamiento de esta sección de la tubería es necesario e hidrostático será probado primero. Después de la prueba hidrostática, una manguera será cabida a una válvula en la tubería L30148 y la agua usada de la prueba será colocada en los tanques del frac situados dentro de una porción del cinco-acre de la sección 1; El municipio 20 del sur; Gama 36 del este. Tanto como los 23 tanques del frac pueden ser necesarios contener temporalmente hasta 326.000 galones de agua usada de la prueba. La huella de los tanques del frac se estima para ser 12.500 pies cuadrados. Después de probar la nueva tubería L30148, la agua será reintroducida a la tubería y también utilizada para probar la tubería existente L30131. Después de la prueba de la tubería L30131, el agua será vuelta a los tanques del frac situados en la sección 1. Después de que la prueba hidrostática sea completa, el agua será analizada para asegurarse que cumple los estándares de WQCC según 20.6.2.31 03 secciones A, B, y agua usada la C. de la prueba se puede almacenar en los tanques del frac por varios meses, hasta que finalicen resultados analíticos, antes de ser descargada a lo largo del CR 46. Los tanques del frac serán pompeados en los carros del tanque con una manguera cabida a una válvula en el tanque del frac y una pompa en línea.

La primera agua subterránea probablemente que se afectará por un escape, una descarga accidental, o un derramamiento existe en una profundidad de 40 a 59 pies debajo de la superficie de tierra. Este sistema del acuífero tiene una concentración total de los sólidos en suspensión entre de 707 y 4230 miligramos por litro o mayor.

El aviso del intento y la descarga planean esquemas cómo el agua y la basura producidas serán manejadas correctamente, incluyendo la dirección, almacenaje, y la disposición final. El plan también incluye los procedimientos para la gerencia apropiada de escapes, de descargas accidentales, y de derramamientos para proteger las aguas del estado de Neuvo México.

Para la información adicional, ser colocado en una lista de personas a quienes se mandan propaganda facilidad-específica para los avisos futuros, o someter los comentarios satisfacen entran en contacto con:

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

La energía del nanómetro, los minerales y el departamento de los recursos naturales aceptarán comentarios y declaraciones del interés con respecto a esta prueba hidrostática y proporcionarán los avisos futuros para esta tubería a petición.

PUBLIC NOTICE

The United States Department of Transportation (USDOT) requires periodic pressurized tests on all USDOT-regulated pipelines. El Paso Natural Gas Company (EPNG) hereby gives notice that the following discharge permit application has been submitted to the NM Oil Conservation Division (NMOCD) in accordance with Subsection B, C, E, and F of 20.6.2.3108 New Mexico Administrative Code. The local EPNG mailing address is: El Paso Natural Gas, 2316 West Bender Blvd., Hobbs, NM 88240.

EPNG has submitted an application for hydrostatic test water discharge which will occur on the pipeline right-of-way in Sections 24, 25, and 36; Township 19 South; Range 36 East, and Section 1; Township 20 South; Range 36 East, in Lea County, New Mexico. The location of the discharge is approximately 11 miles southwest of Hobbs, NM, and 2.5 miles west of Monument, NM. To reach the discharge location from Hobbs, travel 8 miles west on US 180 to its intersection with State Route (SR) 8. On SR 8, travel 5 miles south to Monument. From Monument, travel 2.5 miles west on County Road (CR) 42 to the intersection with CR 46. The discharge will take place along CR 46 for an approximate distance of 1.5 miles north of this intersection and an approximate distance of 1.5 miles south of this intersection.

The purpose of hydrostatic (testing with water) pipeline testing is to determine the extent to which potential defects might threaten the pipeline's ability to sustain maximum allowable operation pressure. The test involves purging the natural gas from the pipeline, cleaning the pipeline with an aqueous, non-hazardous cleaning fluid, filling the pipeline with water, then pressurizing the pipeline to a pressure higher than the standard operating pressure for a specified duration of time.

Existing pipeline L30131 and new pipeline L30148 (Hobbs Lateral) will each be hydrostatically tested. Prior to hydrostatic testing, the existing L30131pipeline will be cleansed using approximately 10,000 gallons of an aqueous and non-hazardous cleaning fluid, N-Spec 120 and then thoroughly rinsed with approximately 10,000 gallons water to remove any residual cleaning solution, oil, or deleterious substances. The volume of cleaning solution and rinseate together will not exceed 21,000 gallons and it will be stored on EPNG property located at the Eunice C compressor station, Section 5; Township 21 South; Range 36 East. A composite sample of the of cleaning fluid and rinseate solution will be analyzed for corrosivity, ignitability, reactivity, and toxicity in addition to the NM Water Quality Control Commission standards (WQCC) standards described below. This water will be transported for proper disposal to Safety Kleen in Midland, Texas.

Up to 346,000 gallons of fresh unused water, pumped from EPNG's Monument well, will be initially stored in 21,00-gallon tanks (frac-tanks) located in a portion of Section 13; Township 19 South; Range 36 East. Since the L30148 section is new pipeline made of new materials, it is not anticipated that cleansing this section of pipeline is necessary and it will be hydrostatically tested first. Following hydrostatic testing, a hose will be fitted to a valve on the L30148 pipeline and the used test water will be placed into frac tanks located within a five-acre portion of Section 1; Township 20 South; Range 36 East. As many as 23 frac tanks may be necessary to temporarily contain up to 326,000 gallons of used test water. The footprint of the frac tanks is estimated to be 12,500 square feet. After testing the new L30148 pipeline, the water will be reintroduced to the pipeline and also used to test the existing L30131 pipeline. Following testing the of the L30131 pipeline, the water will be returned to the frac tanks located in Section 1. After hydrostatic testing is complete, the water will be analyzed to ensure it meets the WQCC standards as per 20.6.2.3103 Sections A, B, and C. Used test water may be stored in the frac tanks for several months, pending analytical results, before being discharged along CR 46. The frac tanks will be pumped into tank trucks with a hose fitted to a valve on the frac tank and an in-line pump.

The first groundwater likely to be affected by a leak, accidental discharge, or spill exists at a depth of 40 to 59 feet below the ground surface. This aquifer system has a total dissolved solids concentration of between 707 and 4230 milligrams per liter or greater.

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

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

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

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

APPENDIX D
Monument Station Well Analytical Results

elpaso

LABORATORY SERVICE REPORT

REQUESTOR:	Morrow, Kenny	REPORT DATE:	12/30/2005
		REQUEST NO:	2005121518
		APPROVED BY:	Campbell, Darrell
		PENDING REQ. ID:	2005121518

DISTRIBUTION: Howell, Timothy; St. John, Robert; Havenman, Bill; Whitney, Mark

PERFORMED BY: Aerotech Environmental Laboratories

Request Description: Domestic water (SWDA) @ Monument
Date Received: 12/2/2005
Date Completed: 12/29/2005

Sample No: 1 Sampled By: Mark Whitney Sample Date: 12/1/2005 2:00:00 PM
Description:
Analysis: WP Domestic Water - SDWA PAL
Purpose: Disposal/Environmental Concerns
Matrix: Water
Location: EPNG - Midland - Plains - Monument Station - 0+0 - Breakroom - sink

Data: See attached sheet(s).

Comments:

Request: 2005121518

Sample:	1
Metals	
Aluminum (mg/l)	< 0.2
Barium (mg/l)	< 0.001
Beryllium (mg/l)	< 0.001
Boron (mg/l)	< 0.2
Cadmium (mg/l)	< 0.001
Calcium (mg/l)	< 2
Chromium (mg/l)	< 0.001
Copper (mg/l)	0.023
Iron (mg/l)	< 0.05
Magnesium (mg/l)	< 2
Manganese (mg/l)	< 0.005
Nickel (mg/l)	< 0.001
Potassium (mg/l)	< 2
Silver (mg/l)	< 0.001
Sodium (mg/l)	< 2
Zinc (mg/l)	< 0.01
Antimony (mg/l)	< 0.003
Arsenic (mg/l)	< 0.001
Lead (mg/l)	< 0.001
Selenium (mg/l)	< 0.002
Thallium (mg/l)	< 0.001
Hardness, Calcium/Magnesium (As CaC (mg/l)	< 13
Mercury (mg/l)	< 0.0002
Anions	
Bromide (mg/l)	< 0.5
Chloride (mg/l)	< 2
Nitrogen, Nitrate (As N) (mg/l)	< 0.2
Nitrogen, Nitrite (As N) (mg/l)	< 0.2
Sulfate (mg/l)	< 2
Fluoride (mg/l)	< 0.4
General Analyses	
Alkalinity, Bicarbonate (As CaCO3) (mg/l)	< 2
Alkalinity, Carbonate (As CaCO3) (mg/l)	< 2
Alkalinity, Hydroxide (As CaCO3) (mg/l)	< 2
Alkalinity, Total (As CaCO3) (mg/l)	< 6
Cyanide, Total (mg/l)	< 0.02
Specific Conductivity (µS/cm)	6.7
Chromium VI (mg/l)	< 0.01
pH (SU)	6.74
Silica (Silicon dioxide-SiO2) (mg/l)	< 0.2139
Total Dissolved Solids (mg/l)	< 10
Suspended Solids (Residue, Non-Filt (mg/l)	< 10
Turbidity (NTU)	0.27
Asbestos (MFL)	< 0.2
Radiochemical Activity	
Gross Alpha (pCi/L)	1.0+/-0.5

Request: 2005121518

Sample:	1
Gross Beta (pCi/L)	<2.9
Radium 226 (pCi/L)	<0.2
Radium 228 (pCi/L)	<0.4
Total Radium (pCi/L)	<0.4

504.1 Analysis

1,2-Dibromo-3-chloropropane (DBCP) (mg/l)	< 0.00002
1,2-Dibromoethane (EDB) (mg/l)	< 0.00001

505 Analysis

Chlordane (mg/l)	< 0.0002
Aroclor 1016 (mg/l)	< 0.00008
Aroclor 1221 (mg/l)	< 0.02
Aroclor 1232 (mg/l)	< 0.0005
Aroclor 1242 (mg/l)	< 0.0003
Aroclor 1248 (mg/l)	< 0.0001
Aroclor 1254 (mg/l)	< 0.0001
Aroclor 1260 (mg/l)	< 0.0002
Toxaphene (mg/l)	< 0.001

515.1 Analysis

2,4-D (mg/l)	< 0.0001
2,4,5-TP (Silvex) (mg/l)	< 0.0002
Pentachlorophenol (mg/l)	< 0.00004
Dalapon (mg/l)	< 0.001
Dinoseb (mg/l)	< 0.0002
Picloram (mg/l)	< 0.0001
Dicamba (mg/l)	< 0.0001

524.2 Analysis

1,1,1,2-Tetrachloroethane (mg/l)	< 0.0005
1,1,1-Trichloroethane (mg/l)	< 0.0005
1,1,2,2-Tetrachloroethane (mg/l)	< 0.0005
1,1,2-Trichloroethane (mg/l)	< 0.0005
1,1-Dichloroethane (mg/l)	< 0.0005
1,1-Dichloroethene (mg/l)	< 0.0005
1,1-Dichloropropene (mg/l)	< 0.0005
1,2,3-Trichlorobenzene (mg/l)	< 0.0005
1,2,3-Trichloropropane (mg/l)	< 0.002
1,2,4-Trichlorobenzene (mg/l)	< 0.0005
1,2,4-Trimethylbenzene (mg/l)	< 0.0005
1,2-Dibromo-3-chloropropane (mg/l)	< 0.002
1,2-Dibromoethane (mg/l)	< 0.0005
1,2-Dichlorobenzene (mg/l)	< 0.0005
1,2-Dichloroethane (mg/l)	< 0.0005
1,2-Dichloropropane (mg/l)	< 0.0005
1,3,5-Trimethylbenzene (mg/l)	< 0.0005
1,3-Dichlorobenzene (mg/l)	< 0.0005
1,3-Dichloropropane (mg/l)	< 0.0005
1,4-Dichlorobenzene (mg/l)	< 0.0005
2,2-Dichloropropane (mg/l)	< 0.0005

Request: 2005121518

Sample:	1
2-Chlorotoluene (mg/l)	< 0.0005
4-Chlorotoluene (mg/l)	< 0.0005
4-Isopropyltoluene (mg/l)	< 0.0005
Benzene (mg/l)	< 0.0005
Bromobenzene (mg/l)	< 0.0005
Bromochloromethane (mg/l)	< 0.0005
Bromodichloromethane (mg/l)	< 0.0005
Bromoform (mg/l)	< 0.0005
Bromomethane (mg/l)	< 0.0005
Carbon tetrachloride (mg/l)	< 0.0005
Chlorobenzene (mg/l)	< 0.0005
Chloroethane (mg/l)	< 0.0005
Chloroform (mg/l)	< 0.0005
Chloromethane (mg/l)	< 0.0005
cis-1,2-Dichloroethene (mg/l)	< 0.0005
cis-1,3-Dichloropropene (mg/l)	< 0.0005
Dibromochloromethane (mg/l)	< 0.0005
Dibromomethane (mg/l)	< 0.0005
Dichlorodifluoromethane (mg/l)	< 0.0005
Ethylbenzene (mg/l)	< 0.0005
Hexachlorobutadiene (mg/l)	< 0.0005
Isopropylbenzene (mg/l)	< 0.0005
m,p-Xylene (mg/l)	< 0.0005
Methylene chloride (mg/l)	< 0.0005
Naphthalene (mg/l)	< 0.0005
n-Butylbenzene (mg/l)	< 0.0005
n-Propylbenzene (mg/l)	< 0.0005
o-Xylene (mg/l)	< 0.0005
sec-Butylbenzene (mg/l)	< 0.0005
Styrene (mg/l)	< 0.0005
tert-Butylbenzene (mg/l)	< 0.0005
Tetrachloroethene (mg/l)	< 0.0005
Toluene (mg/l)	< 0.0005
trans-1,2-Dichloroethene (mg/l)	< 0.0005
trans-1,3-Dichloropropene (µg/l)	< 0.0005
Trichloroethene (mg/l)	< 0.0005
Trichlorofluoromethane (mg/l)	< 0.0005
Trihalomethanes, Total (mg/l)	< 0.0005
Vinyl chloride (mg/l)	< 0.0005
Xylenes, Total (mg/l)	< 0.0005
525.2 Analysis	
Alachlor (mg/l)	< 0.0002
Aldrin (mg/l)	< 0.0005
Atrazine (mg/l)	< 0.0001
Heptachlor (mg/l)	< 0.00004
Heptachlor epoxide (mg/l)	< 0.00002
gamma-BHC (Lindane) (mg/l)	< 0.00002
Benzo[a]pyrene (µg/l)	< 0.00002
Di(2-ethylhexyl)phthalate (mg/l)	< 0.0006
Di(2-ethylhexyl)adipate (mg/l)	< 0.0006

Request: 20051215-18

Sample:	1
Endrin (mg/l)	< 0.00001
Hexachlorobenzene (mg/l)	< 0.0001
Hexachlorocyclopentadiene (mg/l)	< 0.0001
Simazine (mg/l)	< 0.00007
Methoxychlor (mg/l)	< 0.0001
Propachlor (mg/l)	< 0.0005
Butachlor (mg/l)	< 0.0005
Dieldrin (mg/l)	< 0.0005
Metolachlor (mg/l)	< 0.0005
Metribuzin (mg/l)	< 0.0005
531.1 Analysis	
Aldicarb (mg/l)	< 0.0005
Aldicarb Sulfone (mg/l)	< 0.0008
Aldicarb Sulfoxide (mg/l)	< 0.0005
Carbaryl (mg/l)	< 0.0005
Carbofuran (mg/l)	< 0.0009
3-Hydroxycarbofuran (mg/l)	< 0.0005
Methomyl (mg/l)	< 0.0005
Oxamyl (mg/l)	< 0.002
547 Analysis	
Glyphosate (mg/l)	< 0.006
548.1 Analysis	
Endothall (mg/l)	< 0.009
549.2 Analysis	
Diquat (mg/l)	< 0.0004
1613-B Analysis	
2,3,7,8-TCDD (pg/l)	< 5.0

elpaso

CHAIN OF CUSTODY RECORD

LSR NUMBER	PROJECT NAME
2005121518	Monument Station

SAMPLERS: (Signature) Mark Whitten

DATE: 12-1-05

LAB ID	DATE	TIME	MATRIX	SAMPLE NUMBER	TOTAL NUMBER OF CONTAINES	COMPOSITE OR GRAB	Metals*	Anions*	General Chemistry*	Asbestos	Radiochemical*	504.1, 524.2	505, 515.1	525.2, 531.1, 547	548, 549, 1613
	12-1	1400	A	1	28	G	X	X	X	X	X	XX	XX	XXX	XXX
			A	Trip Blank		G						XX			

LABORATORY: PAL

REMARKS: IF SAMPLE QUANITY IS LIMITED - PLEASE ANALYZE IN ORDER GIVEN

*See Attached List

RELINQUISHED BY: (Signature)	DATE:	TIME:	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE:	TIME:	RECEIVED BY: (Signature)
Mark Whitten	12-1	1700					
RELINQUISHED BY: (Signature)	DATE:	TIME:	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE:	TIME:	RECEIVED AT LABORATORY BY: (Signature)

REQUESTED TURNAROUND TIME:
☑ Routine ☐ Rush

ginal Testing Laboratory
py EPC Laboratory
py Field Sampler

BILL NO:

SAMPLE RECIEIPT REMARKS:

CHARGE CODE:

RESULTS & INVOICES TO:

LABORATORY SERVICES
EL PASO CORPORATION
8645 RAILROAD DRIVE
EL PASO, TEXAS 79904

915-587-3729 FAX: 915-587-3335

APPENDIX E
Copy of Emails from the New Mexico Abandoned Mine Lands Program

Marco Wikstrom - RE: Hydrostatic Test Discharge Site

From: "Tompson, Mike, EMNRD" <Mike.Tompson@state.nm.us>
To: "Marco Wikstrom" <MWikstrom@kleinfelder.com>
Date: 9/8/2008 8:29 AM
Subject: RE: Hydrostatic Test Discharge Site

Here is the message. I will call to make sure you received it.

Mike Tompson

From: Tompson, Mike, EMNRD
Sent: Tuesday, July 22, 2008 11:19 AM
To: 'Marco Wikstrom'; Jones, Brad A., EMNRD
Cc: Kretzmann, John, EMNRD
Subject: RE: Hydrostatic Test Discharge Site

Marco and Brad,

This is a confirmation that the Abandoned Mine Land Program does not know of any abandoned mines is the Sections you specified below. That is not to say that there are definitely no mines in the area. It just means that we have not had any reports of mines being located there in the past. And the USGS does not show any mining symbols on the topo map.

I hope this e-mail sufficient and if anybody has any questions, they are welcome to contact me.

Mike Tompson
New Mexico Abandoned Mine Land Program
505.476.3427

From: Marco Wikstrom [mailto:MWikstrom@kleinfelder.com]
Sent: Tuesday, July 22, 2008 9:08 AM
To: Tompson, Mike, EMNRD
Cc: Glen.Thompson@ElPaso.com; David Janney
Subject: Hydrostatic Test Discharge Site

Mike,

We talked on the phone a few months back about locating abandoned mines in the vicinity of a proposed hydrostatic discharge. The NMOCD now wants an email from you verifying what we talked about (per your records) that there are no mines underlying the proposed discharge, "...within the area overlying a subsurface mine."

The location of the discharge is within the following sections:

The proposed discharge will occur on the pipeline right-of-way within the following sections in Lea County, New Mexico:

Section 1, Township 20 South, Range 36 East

Section 36, Township 19 South, Range 36 East

Section 25, Township 19 South, Range 36 East

Section 24, Township 19 South, Range 36 East

Introduction and removal of discharge water will occur, and water storage tanks will be located within the staging area in the following section in Lea County, New Mexico:

Section 13, Township 19 South, Range 36 East

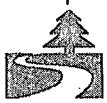
After reviewing your records, can you CC me on the email you send to Brad Jones of the NMOCD?

His email address is: brad.a.jones@state.nm.us

Thanks,
Marco

Marco Wikstrom
Staff Geologist
KLEINFELDER
mwikstrom@kleinfelder.com
(505) 344-7373 Office
(505) 344-1711 Fax
(505) 948-4454 Mobile

8300 Jefferson NE Suite B
Albuquerque, NM 87113



communication is strictly prohibited. If you have received this information in error, please notify the sender immediately.

Confidentiality Notice: This e-mail, including all attachments is for the sole use o

APPENDIX F
Copy of Letter from Mr. John Lopez of the EPNG Land Department

elpaso Natural Gas

September 12, 2008

Mr. Brad Jones, Environmental Engineer
New Mexico Oil Conservation Division
1220 S. St Francis Drive
Santa Fe, NM 87505

RE: Landowner Consent to Locate Water Storage Tanks

Dear Mr. Jones:

This letter is to inform you that El Paso Natural Gas Company ("EPNG") reviewed its landowner records in SE4 of Section 1, Township 20 South; Range 36 East in Lea County, New Mexico and determined that a mistake was made in identifying the correct landowner in the area where the frac tanks are to be temporarily stored. To ensure EPNG landowner records were correct, I notified and confirmed through county and state land officials that the area EPNG is proposed to store frac tanks for hydrostatic testing belongs to the State of New Mexico and not to Mr. James Byrd as first indicated. EPNG ultimately apologizes for mis-informing you and your office.

On Friday September 12, 2008, I spoke with Ms. Anna Villa, Manager, Surface Right Division, New Mexico State Land Office ("NMSLO") regarding our request to store frac tanks within the pre-approved 5-acre area. She mentioned that there is no need to sign another official landowner notification letter being that the state had already been notified.

As mentioned, the 5-acre area has already been approved by the Ms. Villa's office for staging and storage for the Hobbs Pipeline Project ("Project"). EPNG's winning contractor, Harpole Construction, has already started to utilize this area for its intended purpose. The Project is scheduled to start as early as September 16, 2008. By copy of this letter Ms. Villa is notified of this situation. If you have questions regarding this issue please notify me directly @ (719) 661-9800.

Regards,

John J. Lopez
Land Department

El Paso Natural Gas
2 North Nevada Avenue Colorado Springs, Colorado 80903
PO Box 1087 Colorado Springs, Colorado 80944
tel 719 473 2300

KLEINFELDER
Bright People. Right Solutions.

8300 Jefferson NE, Suite B
Albuquerque, NM
87113

p| 505.344.7373
f| 505.344.1711

kleinfelder.com

September 9, 2008
File No. 93123.1-ALB08RP001

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

Subject: **Resubmittal of Notice of Intent for the Discharge of Hydrostatic Test Water, Pipeline Numbers L30148 and L30131, Lea County, New Mexico**

Dear Mr. Jones:

On behalf of El Paso Natural Gas Company (EPNG) Kleinfelder West, Inc. (Kleinfelder) is pleased to resubmit this Notice of Intent (NOI) to discharge hydrostatic test water.

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

- Background information;
- Hydrostatic Test Water Discharge Plan;
- Figure 1, Regional Site Location Map;
- Figures 2a, 2b, and 2c Pipeline Section and Discharge Location Maps;
- Figure 3, Water Storage Tank Location Maps;
- Figure 4, Groundwater Atlas; Pecos River Basin;
- Table 1, EPNG Groundwater Sample Results;
- Appendix A, MSD Sheet for N-Spec 120 Cleaner;
- Appendix B, Certification of Siting Criteria;
- Appendix C, Public Notice text in Spanish and English;
- Appendix D, Monument station well analytical results;
- Appendix E, Copy of email from the New Mexico Abandoned Mine Lands Program; and
- Appendix F, Copy of a Letter Addressed to Mr. James Byrd.

Public notice will be posted in accordance with NMAC 20.6.2.3108 at the staging area sites (Figures 2c and 3), in the Monument, NM Post Office, and published in the Hobbs News Sun newspaper.

Should you have any questions, please feel free to contact Marco Wikstrom or David Janney at (505) 344-7373.

Sincerely,
KLEINFELDER WEST, INC.

Marco Wikstrom
Staff Geologist

Reviewed by:

Barbara Everett, R.G., P.G.
Program Manager

Background Information

El Paso Natural Gas (EPNG) is planning to construct the "Hobbs Expansion Project" which includes the following components:

1) The construction of the 7.3 mile 20-inch diameter Hobbs Lateral pipeline, line 30148 (L30148), and the Hobbs Meter Station, all tested to support a maximum allowable operation pressure (MAOP) of 837 pound-force per square inch gauge (psig).
2) Pipeline system improvements including up-rating the existing 5.8 mile 16-inch diameter Line 30131 (L30131) to a MAOP of 837 psig.
3) Construction of the Eunice "C" compressor station to replace the existing Eunice "A" compressor station. (A discharge permit application for Eunice C has been filed with the NMOCD.)
4) Flow control improvements at the existing Keystone Mainline Compressor Station (in Texas).

Part of accomplishing these objectives is hydrostatic testing of the existing L30131 and planned (new) L30148 pipeline to comply with U.S. Department of Transportation regulations.

Hydrostatic Test Water Discharge Plan

On behalf of EPNG, Kleinfelder is submitting this hydrostatic test water discharge plan for an Individual Discharge Permit pursuant to Section 1201 of 20.6.2 NMAC. In accordance with Section 1201 of 20.6.2 NMAC and NMOCD "Guidelines for Hydrostatic Test Dewatering," (revised January 11, 2007). The discharge plan includes the following:

Item a. Name and address of the proposed discharger;

Legally Responsible Party	Mike Catt, Vice President El Paso Natural Gas Company 2 North Nevada Ave. Colorado Springs, CO 80903
Local Representative	Kenneth Morrow, Manager El Paso Natural Gas Company 2316 W. Bender Blvd. Hobbs, NM 88240 Office: (505) 492-2380, Cell: (505) 390-3716 1-800-334-8047 (24 hour emergency notification)
Or **Local Representative (Alt.)**	Tim Howell El Paso Natural Gas Company 2316 W. Bender Blvd. Hobbs, NM 88240 (505) 492-3128
Operator	El Paso Natural Gas Company Plains Operating Area

Mailing Address

El Paso Natural Gas Company
Plains Operating Area
2316 W. Bender Blvd.
Hobbs, NM 88240

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

Proposed land application of hydrostatic test water will occur on the L30148 pipeline right of way between MP-0.5 and MP-2.5, a total of 2.0 miles (Figure 2c).

No water will be discharged within the radii outlined in item e, or within 200 feet of any publicly maintained roadway or within 1,000 feet of a wellhead protection area. Non-discharge areas along the course of the pipeline right of way will be posted with signs or flagging to alert tank truck drivers as to where and where not they can discharge.

Item c. Legal description of the discharge location;

The proposed discharge will occur on the pipeline right-of-way within the following sections in Lea County, New Mexico:

Section 1, Township 20 South, Range 36 East
Section 36, Township 19 South, Range 36 East
Section 25, Township 19 South, Range 36 East
Section 24, Township 19 South, Range 36 East

Introduction and removal of discharge water will occur, and water storage tanks will be located within the staging areas in the following sections in Lea County, New Mexico:

Monument Well Water - Section 13, Township 19 South, Range 36 East
Used Hydrostatic Test Water - Section 1, Township 20 South, Range 36 East

(See Figures 2c and 3 for discharge locations and staging areas.)

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

Figure 1 is a regional map showing the general location of the L30148 and L30131 pipelines to be hydrostatically tested. Figures 2a, 2b, and 2c are site-specific maps showing topography, the pipelines, the test water storage locations, and the discharge location.

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

i. Within 200 feet of a watercourse, lakebed, sinkhole, or playa lake;

ii. Within an existing wellhead protection area or 100-year floodplain;

iii. Within, or within 500 feet of, a wetland;

iv. Within the area overlying a subsurface mine; or

v. Within 500 feet from the nearest permanent residence, school, hospital, institution or church.

None of the above listed features are present within the required radius limits of the proposed discharge. A search for surrounding water wells was completed to satisfy a portion of this requirement. The WATERS database at the Office of the State Engineer was used in this search and was re-accomplished on July 22, 2008. According to the search, no water wells are located within 1,000 feet of the proposed discharge area or staging areas.

Mr. Mike Thomson with the New Mexico Abandoned Mine Lands Program (505-476-3427) was contacted to assess the presence of abandoned subsurface mines in the vicinity of the discharge location and water storage tank staging areas. He searched records and spoke with colleagues to determine if subsurface mines were present. According to Mr. Thomson, there is no evidence of subsurface mines in these areas. A copy of an email from Mr. Thomson is attached in Appendix E.

In addition, Mr. Mark Haag, El Paso Natural Gas Principal Engineer, performed a discharge site visit to look for the presence of watercourses, lakebeds, sinkholes, playa lakes, wells, wetlands, residences, schools, hospitals, institutions, mines and churches. According to Mr. Haag, these items were not observed within 500 feet of any proposed discharge location. A Certification of Site Criteria from Mr., Haag is attached in Appendix B.

No Federal Emergency Management Administration (FEMA) Flood Insurance Rate Maps of the subject site are available.

No water will be discharged within the radii outlined above (items i. through v.) or within 200 feet of any publicly-maintained roadway. Non-discharge areas along the course of the pipeline right of way will be posted with signs or flagging to alert tank truck drivers as to where and where they cannot discharge.

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

Pressure testing with water, known as hydrostatic testing, is one of the tools pipeline operators use to verify pipeline integrity. The test involves purging the natural gas from the pipeline, cleaning the pipeline with an aqueous, non-hazardous cleaning fluid, filling the pipeline with water, then pressurizing the pipeline to a pressure higher than the standard operating pressure for a specified duration of time. The purpose of hydrostatic testing in a pipeline is to determine the extent to which potential defects might threaten the pipeline's ability to sustain maximum allowable operation pressure (MAOP). If leaks or breaks occur, the pipeline is repaired or replaced and then retested. The United States Department of Transportation (USDOT) requires periodic pressurized tests on all USDOT-regulated pipelines and for any newly installed pipelines to verify the integrity and safety of pipeline systems. Approximately 346,000 gallons of fresh water will be supplied for the hydrostatic tests and pipeline cleaning by the EPNG-owned "Monument" well. This water has been sampled and analyzed for the constituents listed in Item j (Appendix D).

Prior to hydrostatic testing of the existing L30131 pipeline, the pipeline will be cleansed using a non-hazardous aqueous cleaning fluid, N-Spec 120 (please see the attached MSD sheet under Appendix A) and then thoroughly rinsed with water from the Monument well to remove any residual cleaning solution, oil, or deleterious substances. It is anticipated that the volume of cleaning solution and rinseate together will not exceed 20,000 gallons. This cleaning fluid and rinseate will be introduced at Mile Post-6 (MP-6) of the L30131 pipeline, located in Sec. 1; T 20 S; R 36 E. The cleaning solution and rinse water will be removed at Valve No. 1, MP-0 on the L30131 and the water will be temporarily stored for characterization in a frac-tank at this location. Following

characterization, the water will be transported to Safety-Kleen in Midland, Texas for proper disposal (see item k).

Since the L30148 (Hobbs Lateral) section is new pipeline made of new materials, there will be no cleansing of this section of pipeline.

Approximately 326,000 gallons of water from EPNG's Monument well will be stored in frac tanks in the pipe lay down storage yard near MP-3.953 in Section 13, Township 19 South, Range 36 East (Figures 2c and 3).

Two adjacent sections of pipeline will be tested:

1. Approximately 326,000 gallons of potable water from the frac tanks in the lay down yard near MP-3.953 will enter L30148 and will be used to hydrostatically test L30148 from MP-3.953 to EOL (northern half of the pipeline). This water will then be transferred within the pipeline to the southern half of L30148 to test the southern half of this pipeline from MP-0 to MP-3.953. After the testing of this pipeline is complete the water will be transferred to frac tanks at MP-0 of 30148 which coincides with MP-6 of 30131 in Sec. 1; T 20 S; R 36 E until it can be used to test L30131(Figures 2c and 3).
2. If timing allows, instead of transferring the water to the frac tanks in Sec. 1; T 20 S; R 36 E, the water will be transferred directly to L30131. If timing does not allow, this water will be transferred from the frac tanks in Sec. 1; T 20 S; R 36 E to L30131 and used to hydrostatically test this pipeline. Following testing of L30131, the test water will be transferred into to the frac-tanks located in Sec. 1; T 20 S; R 36 E. The water will be sampled and analyzed according to the protocol outlined in "item j". NMOCD will review of the analytical results and if the test water meets the requirements of New Mexico Water Quality Control Commission Regulations 20.6.2.3103, it will be discharged onto a portion of the L30148 pipeline right of way (Figure 2c, also see items b and c).

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

The 20,000 gallons of N-Spec 120 cleaning solution and rinse water used to clean the L30131 will be removed via a hose attached to Valve No. 1, MP-0 L30131 and be temporarily stored for characterization in a frac-tank at this location.

The 326,000 gallons of water used for hydrostatic testing of both L30131 and 30148 will be stored in frac tanks in Section 13, Township 19 South, Range 36 East *before* hydrostatic testing, then in Section 1, Township 20 South, Range 36 East, *after* hydrostatic testing. Seventeen frac tanks will be staged in the SE/4 of Sec 13; T 19 S, and 23 frac tanks will be staged in the N/2 of Sec. 1; T 20 S; R 36 E (Figures 2c and 3).

The frac tank staging area within the SE/4 of Section 13, Township 19 South, Range 36 East will cover an area approximately 250 feet by 50 feet, or 12,500 square feet, and will be centered approximately 50 feet west of MP-3.953 (Figure 3).

The frac tank staging area in Section 1, Township 20 South, Range 36 East will cover an area approximately 150 feet by 150 feet, or 22,500 square feet, and will be centered approximately 60 feet to the east of MP-0 of L30148. This staging area is located within a 5-acre environmentally surveyed area on private property (Figure 3). The land belongs to Mr. James Byrd, who has given permission to use his land as a staging area. A letter was recently sent to Mr. Byrd to keep him updated on the project, and to thank him for the use of his land (Appendix F).

Solids are not anticipated to be produced from the hydrostatic testing.

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

After the NMOCD approves the discharge, EPNG will utilize tanker trucks, equipped with water separator bars to discharge the water onto EPNG's pipeline right-of-way (Figures 2b, and 2c). No water will be allowed to run off of the right-of-way or cause erosion. Discharge of the water will be performed within the right of way of L30148 between MP-0.5 and MP-2.5 (Figure 2c). The discharge locations will be well outside of the setback distances described in Items b and e, and signs or flagging will be placed along the route to alert tank truck drivers as to where and where not they can discharge.

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

In the event that the hydrostatic test water is found to be unsuitable for land application, it will be treated by filtration through activated charcoal and/or other applicable media until it meets the NMOCD standards outlined in NMAC 20.6.2.3103 subsections A, B, and C and then applied to the land surface on the designated discharge area.

Item j. A proposed hydrostatic test wastewater sampling plan;

Analytical sampling for the hydrostatic test water will consist of one baseline sample from the water source, and two composite pre-discharge samples.

Analytical data from the baseline samples will help to establish initial quality of the test water before introduction to the pipelines (Appendix D).

Analytical data from the post-hydrostatic test water will be used to determine if the water is suitable for discharge:

20,00 gallons of N-Spec 120 cleaning solution and rinse water used to clean the L30131 will be removed via a hose attached to Valve No. 1, MP-0 L30131 and be temporarily stored for characterization in a frac-tank at this location.

1. After cleaning and rinsing, the 20,000 gallons of N-Spec 120 cleaning solution and rinse water used on the L30131 pipeline will be transferred into a frac-tank and a pre-disposal sample will be collected and submitted to an EPA-approved analytical laboratory.
2. After the hydrostatic tests of L30131 and L30148, the approximately 326,000 gallons of water will be transferred from the pipeline into frac-tanks located in Sec. 1; T 20 S; R 36 E (Figures 2b and 3). A pre-discharge composite sample will be collected from these tanks and submitted to an EPA-approved analytical laboratory.

The sample of N-Spec cleaning fluid and rinseate solution used to clean L30131 will be analyzed for corrosivity, ignitability, reactivity, and toxicity.

Both baseline and pre-discharge hydrostatic test water samples will be analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and

RCRA metals. Analytical results will be submitted to the NMOCD presenting the results and making a recommendation for disposal of the hydrostatic test water.

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

All fluids will be containerized, tested and then discharged or transported for disposal as described under item i. and f. No solid waste is anticipated. In the event that the hydrostatic test water is found to be unsuitable for land application, it will be treated by filtration through activated charcoal and/or other media as appropriate until it meets the NMOCD standards outlined in NMAC 20.6.2.3103 subsections A, B, and C.

Following disposal characterization and approval by NMOCD, the 10,000 gallons of cleaning solution and 10,000 gallons of rinseate water used to clean L30131 before hydrostatic testing will be transported off-site via USDOT-approved tanker trucks for treatment and disposal at Safety Kleen of Midland, Texas, EPA #396090019, transporter #TXD 062287883. Safety Kleen, 10607 West County Road 127, PO Box 60756, Midland, TX 79711, phone: (432) 563-2305.

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

The discharge will be tested in accordance with the guidelines noted in Item j. to assess if the constituent concentrations in the water meet the New Mexico Water Quality Control Commission Regulations 20.6.2.3103, subsections A, B, and C. The approximate volume of the discharge is expected to be 326,000 gallons. Based on historical data collected from previous hydrostatic test events using similar cleaning techniques before introducing the test water, the quality of the discharged water is expected to meet regulatory limits.

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

The proposed discharge is located in an area with little topographic relief. Rock below the area consists of clastic, carbonate, and evaporate sedimentary rocks ranging from Ordovician through Triassic in age. The Permian-age formations are an important local source of oil and natural gas. These rocks are draped by alluvial sediments of Quaternary age ranging from 30 to 60 feet in thickness consisting of sand, gravel, silt, and clay.

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

Site Hydrology

The proposed discharge is located in the Pecos River Basin in southern Lea County, New Mexico (Figure 4). The area has no perennial streams, but there are a few ephemeral streams and broad drainages.

Site Hydrogeology

Groundwater is encountered at a depth of approximately 160 feet below the ground surface. The Ogallala Formation containing the Ogallala aquifer is the principal source of domestic and industrial water in the area. The Ogallala Formation overlies the relatively impermeable Chinle Formation and dips to the southeast, generally parallel to the underlying Chinle Formation and present-day subsurface. The Ogallala aquifer is

unconfined in some areas where it comes in contact with Pleistocene alluvium. The general hydraulic gradient of 10 to 12 feet per mile (approximately 0.002 ft/ft) generally flows to the southeast (Cronin, 1969). The lateral movement of groundwater in this aquifer has been estimated to range from two inches per day (Cronin, 1969) to more than a foot per day (Minton, n.d.).

Water Quality

Water quality of the Ogallala aquifer in the area is mostly of slightly saline to moderately saline as defined as water containing 1,000 to 10,000 milligrams per liter (mg/L) of total dissolved solids (TDS) (Hem, 2005). Water above 3,000 mg/L TDS is considered water of limited use (Howells, 1990). According to the New Mexico State Engineer's Office, groundwater in this formation is deteriorating in quality (Boyer et al., 1980). Water samples collected by EPNG in January 1981 from eight privately-owned shallow wells in the vicinity had TDS values ranging between 707 and 4230 mg/L (Table 1).

Groundwater from formations below the Ogallala Formation contains higher concentrations of dissolved solids, primarily chloride and sulfate salts (Bureau of Reclamation, 1976). Triassic-age formations have also yielded acceptable potable water but in low to moderate quantities. The deeper Permian formation contains water of saline to brine quality. These waters are generally not used for domestic purposes, but may be used for injection into oil and gas fields for secondary recovery.

Item o. Identification of landowners at and adjacent to the discharge and collection/retention site.

Landowners within 1/3-mile of the proposed discharge:

Mr. Jimmie T, Cooper
BOX 55
MONUMENT, NM 88265
505-397-2045
S/2; Sec 24; T 19S; R 36E
All of Sec 36; T 19S; R 36E other than land owned by the State of New Mexico, Mr. Larry Moyle, Chevron USA, and Versado Gas Processors.

Apache Corporation/Leaco Exploration
17 Hess Lane
Monument New Mexico 88265
N/2; NE/4; Sec 36; T 19S; R 36E

Versado Gas Processors Operated by Targa Resources, Inc
Mr. Todd Young
P.O. Box 67
Monument, New Mexico 88265
SW/4; SE/4; Sec 36; T 19S; R 36E

Chevron USA
Mr. Rodney Bailey
15 Smith Road
Midland, TX 79705

(432) 894-3519
SE/4; SE/4; Sec 36; T 19S; R 36E

Mr. Larry Moyle
DLD Corporation
P.O. Box 3083
Fort Mill, SC 29708
S/2; S/2; SE/4; Sec 36; T 19S; R 36E

Mr. James R. Byrd
P.O. Box 32
Monument, New Mexico 88265
N/2 and SW/4; NW/4; NE/4; Sec 1; T 20S; R 36E
NW/4; NW/4; SE/4; Sec 1; T 20S; R 36E

Lee Partners
P.O Box 4967
Houston, TX 77210-4967
4.8-acre plot within SE/4; SW/4; SE/4; Sec 1; T 20S; R 36E

NM State Land Office – Hobbs District
2702 – D North Grimes
Hobbs, NM 88240
(Remaining land within 1/3-mile of the discharge)

Landowners of the collection/retention sites:

El Paso Natural Gas Company
2 North Nevada Ave.
Colorado Springs, CO 80903
All of Sec 1; T 19S; R 36E (Tank staging area is within the SE/4; SE/4 of this section, 17 tanks, Figures 2c and 3)
SE/4; NW/4; Sec 5; T 21S; R 36E (Staging area for the N-Spec 120 cleaner and rinse water)

Mr. James R. Byrd
P.O. Box 32
Monument, New Mexico 88265
Five-acre plot within SE/4; SW/4; SE/4; Sec 1; T 20S; R 36E
(Tank staging area, 23 tanks, Figures 2c and 3)

References

Boyer, D. G., D. McQuillan, and M.S. Goad, *New Mexico Surface Impoundment Assessment*, Water Pollution Control Bureau, New Mexico Environmental Improvement Division, Santa Fe, NM, 1980.

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Howells, L., *Base of Moderately Saline Ground Water in San Juan County, Utah*, Utah Department of Natural Resources Technical Publication no. 94,35 p. 1990.

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Nicholson, A. and A Clebsch, *Geology and Ground Water Conditions in Southern Lea County, New Mexico*, Ground Water Report No. 6, State Bureau of mines and Mineral Resources, New Mexico Institute of Mining and Technology, Socorro, NM, 1961.

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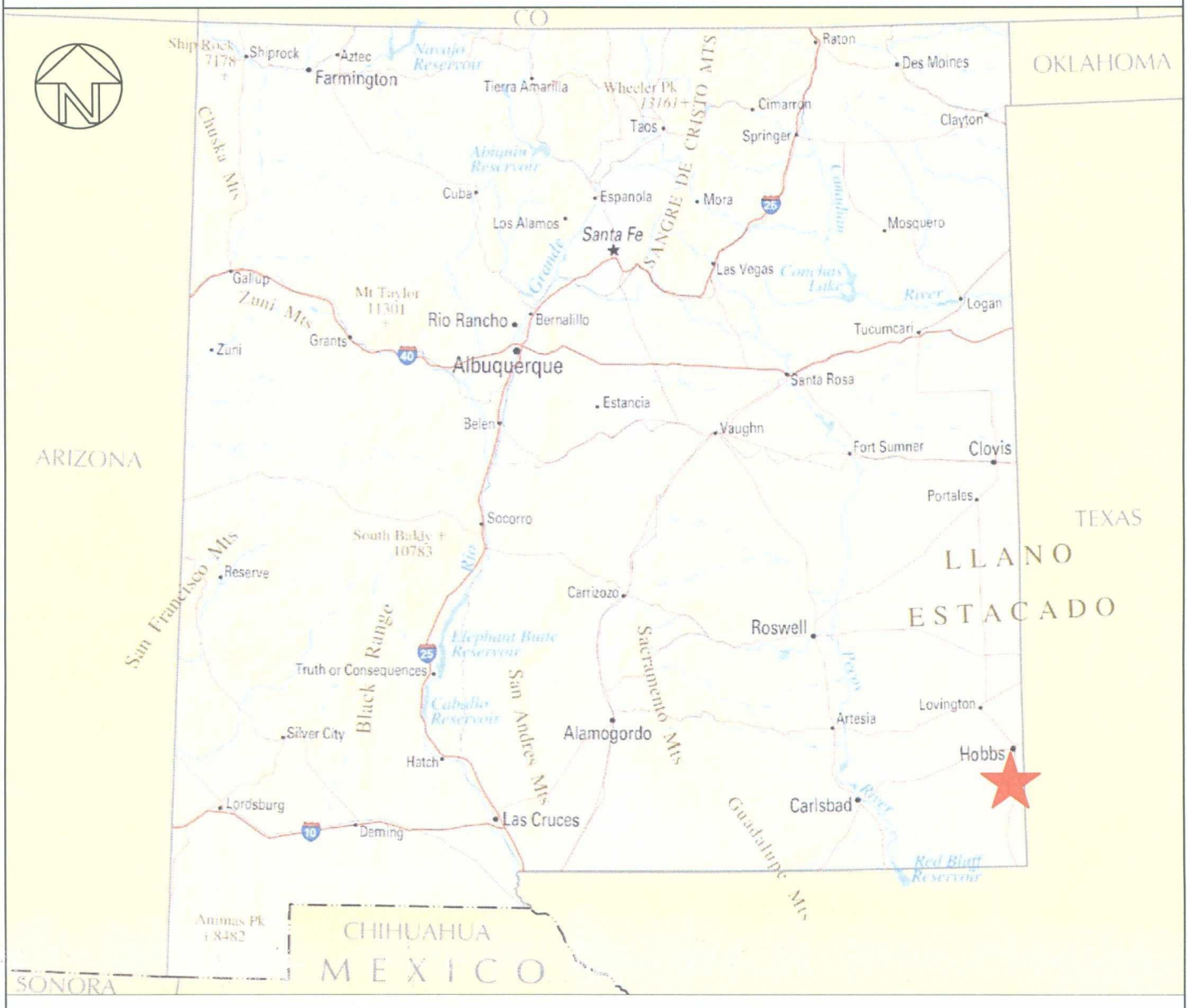
U.S. Bureau of Reclamation, *Eastern New Mexico Water Supply Project, New Mexico*, Final Environmental Statement, Department of the Interior, Washington, DC, 1976.

Figures



SOURCE: Map provided by national*atlas*.com. *NTS*

LEGEND

= Site Location

KLEINFELDER	REGIONAL MAP OF DISCHARGE LOCATION		FIGURE 1
Originator: M. Wikstrom	Drawn By: PDan	Date: Apr 2008	
Approved By: D. Janney	Project No.: 93123	Drawing No.: 93123_05_0	
	Scale: NTS	Drawing Category: A	

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Matchline A Figure 2b

Monument Station

EOL, 30131

MP-0, 30148
MP-6, 30131

MP-5, 30131

MP-4, 30131

MP-3, 30131

MP-2, 30131

MP-1, 30131

Eunice C Output

Valve 1 MP-O

LEGEND

= Pipeline # 30131

= Pipeline # 30148 (New Pipeline)

3000 0 1500 3000 ft

SCALE: 1" = 3000'

KLEINFELDER	PIPELINE MAP 30131 - Pipeline Hobbs, New Mexico		FIGURE 2a
Originator: M. Wikstrom	Drawn By: PDan	Date: April 2008	
Approved By: E. Shannon	Project No.: 93123	Drawing No.: 93123_02_0	
	Scale: 1" = 3000'	Drawing Category: A	

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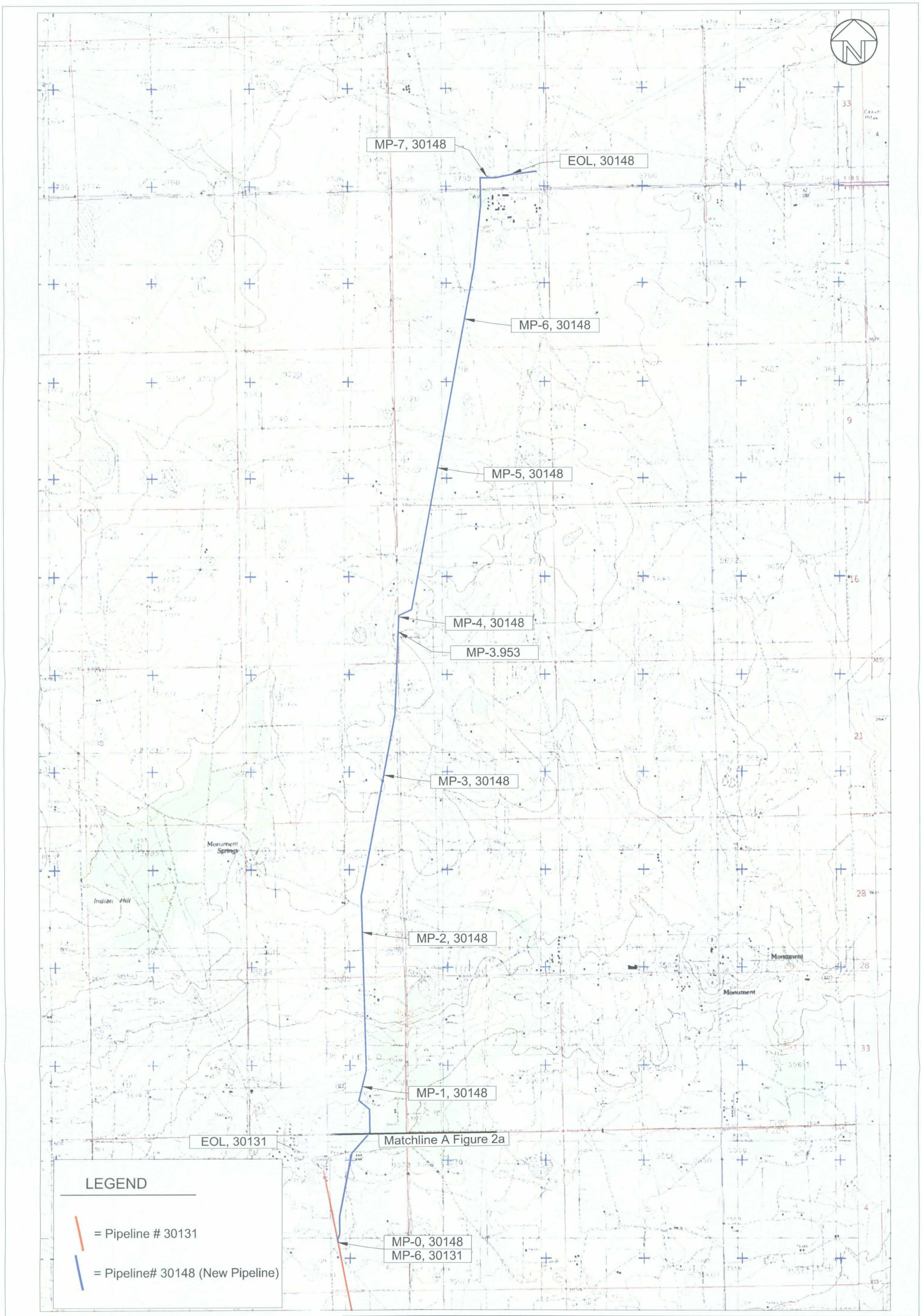

KLEINFELDER	PIPELINE SECTIONS 30148 - Pipeline Hobbs, New Mexico		FIGURE 2b
Originator: M. Wikstrom	Drawn By: PDan	Date: April 2008	
Approved By: D. Janney	Project No.: 93123	Drawing No.: 93123_02_0	
	Scale: 1" = 3000'	Drawing Category: A	

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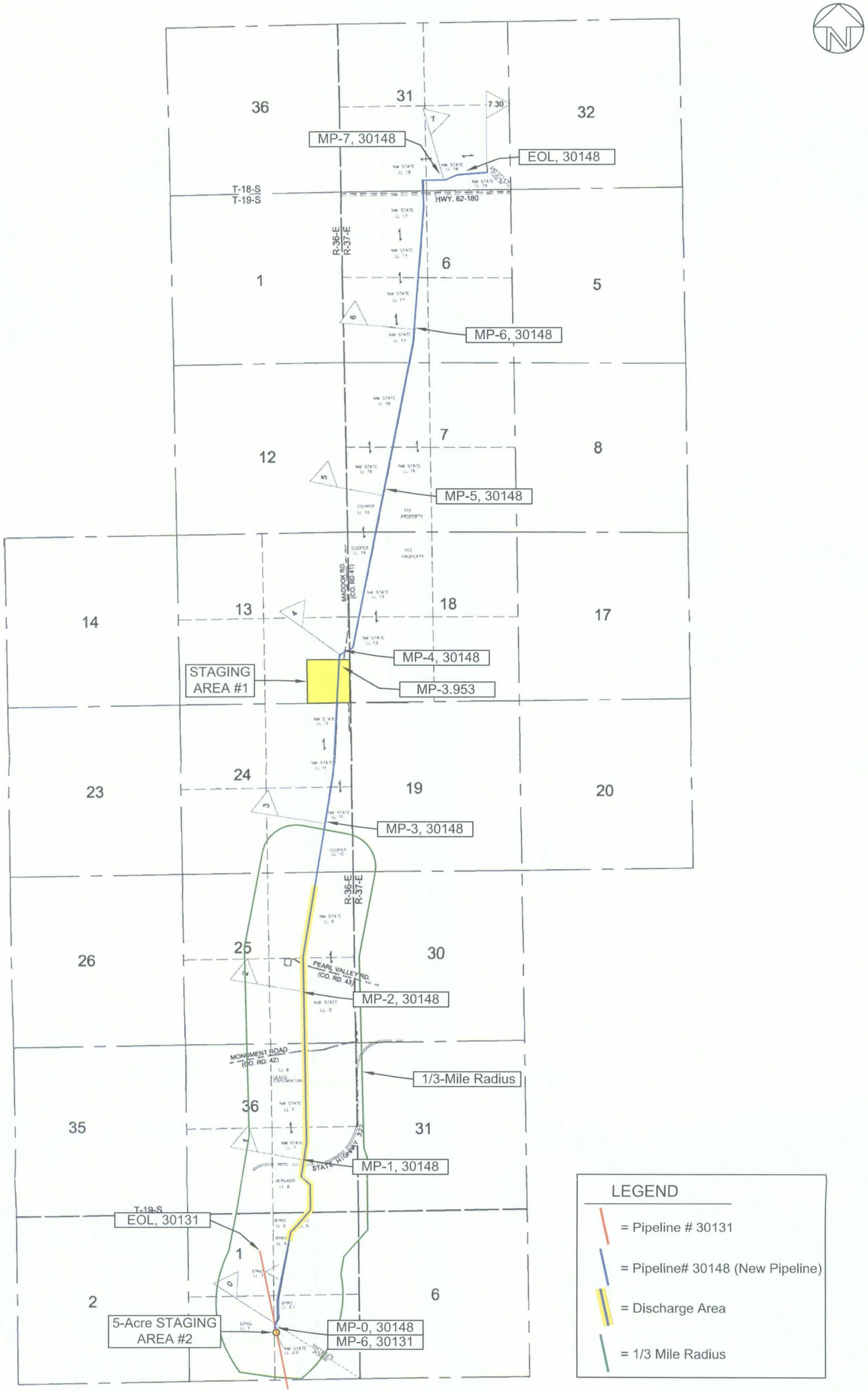

LEGEND

= Pipeline # 30131

= Pipeline# 30148 (New Pipeline)

= Discharge Area

= 1/3 Mile Radius

3000 0 1500 3000 ft

SCALE: 1" = 3000'

KLEINFELDER

PIPELINE SECTIONS SHOWING DISCHARGE LOCATIONS AND LAND OWNERS - 30148 - Pipeline
Hobbs, New Mexico

FIGURE 2C

Originator: M. Wikstrom	Drawn By: PDan	Date: April 2008
Approved By: E. Shannon	Project No.: 93123	Drawing No.: 93123_02_1
	Scale: 1" = 3000'	Drawing Category: A

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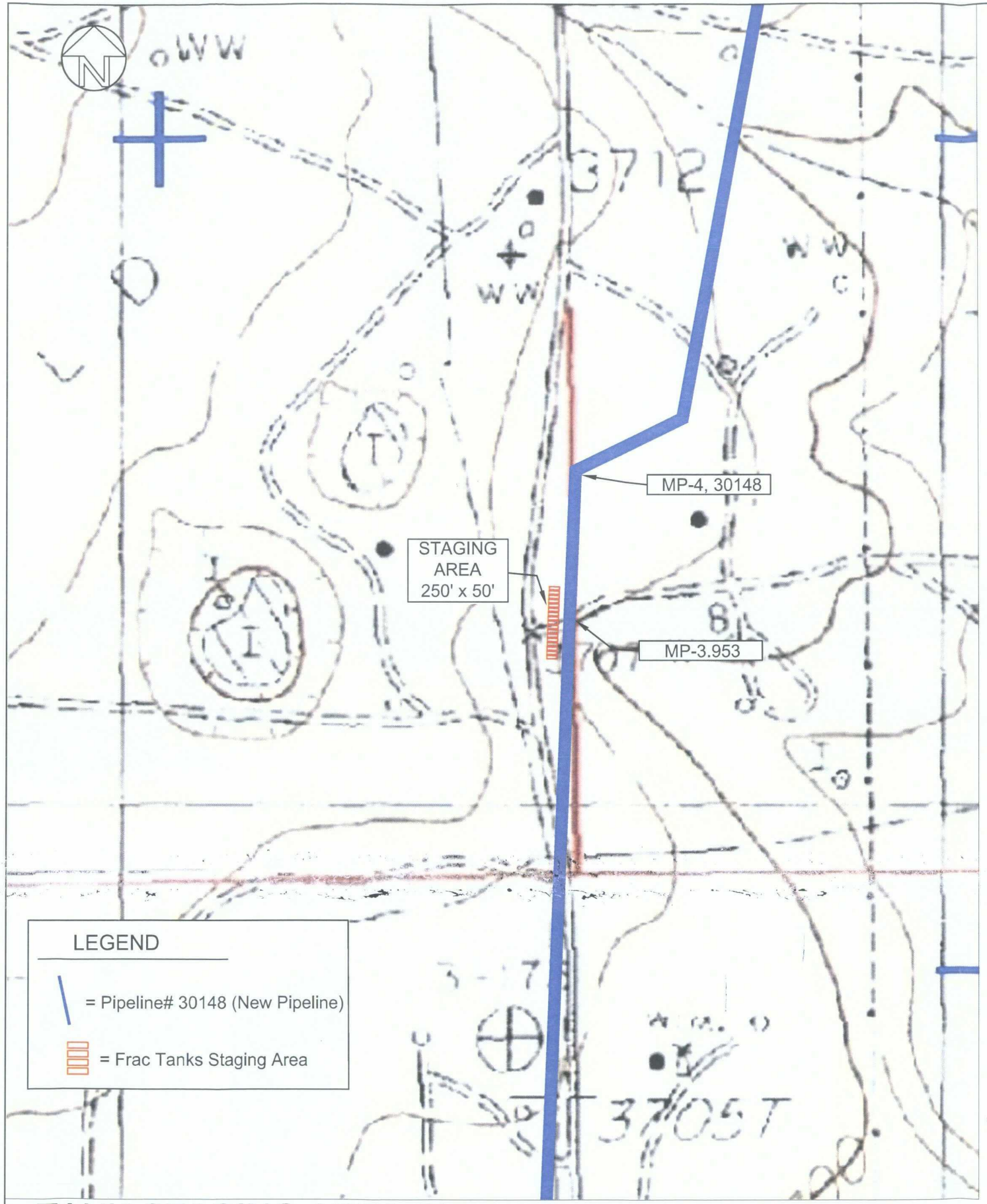
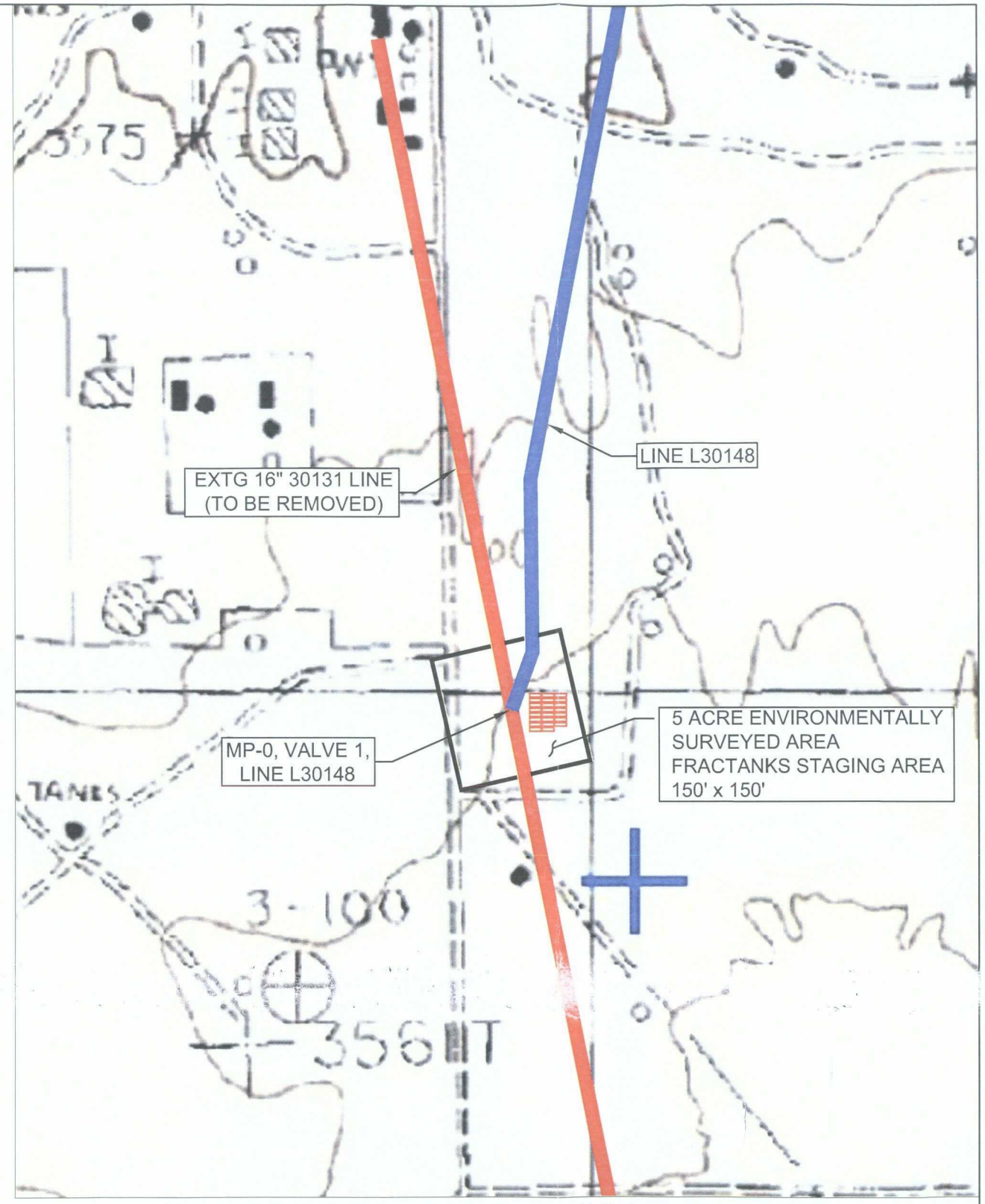


TANK STAGING AREA #1 (FRESH WATER)

SE ¼ OF SECTION 13, TOWNSHIP 19S, RANGE 36E
(SEE FIGURE 2C FOR LOCATION)

500 0 250 500 ft
SCALE: 1" = 500'

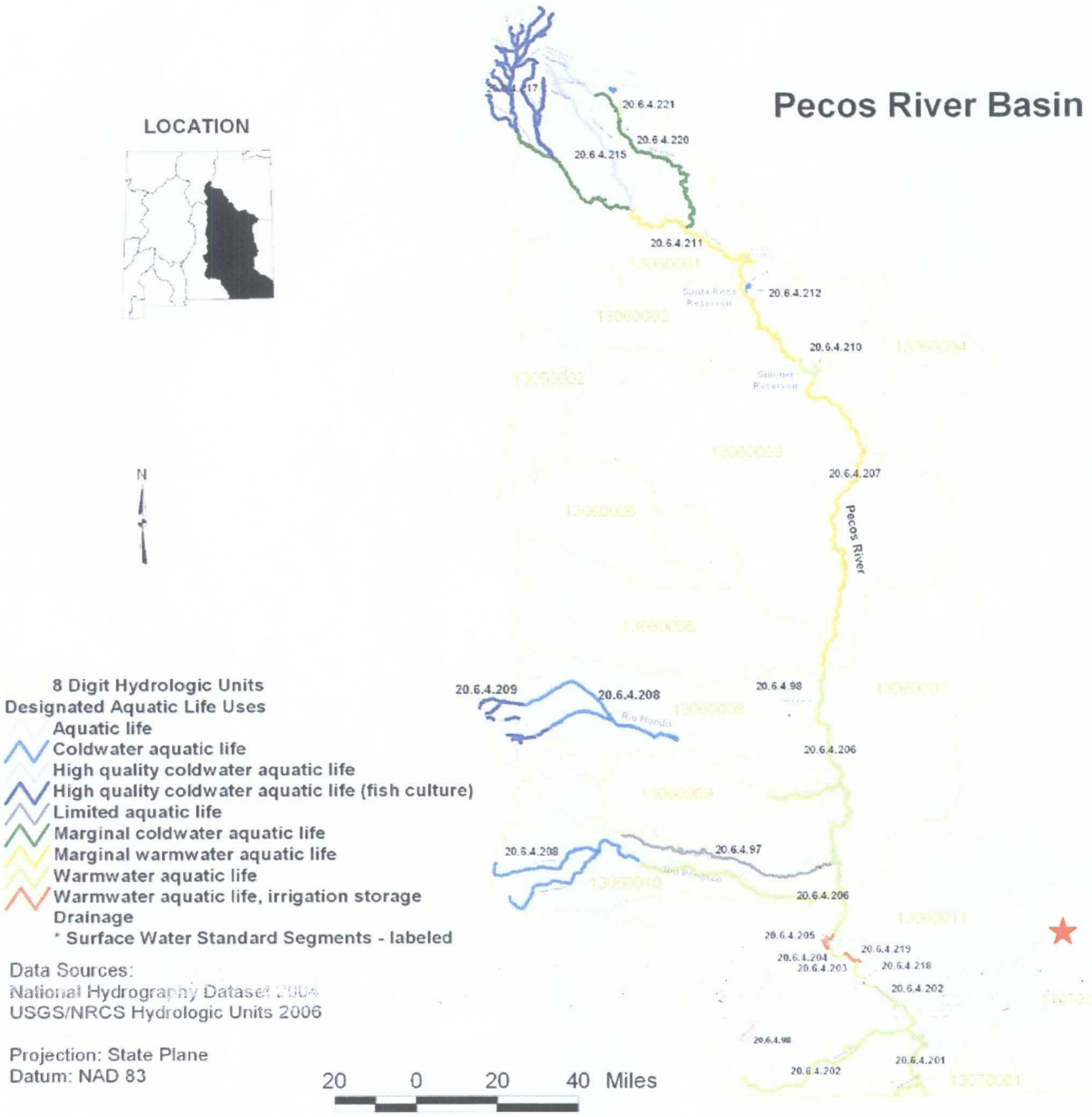


TANK STAGING AREA #2 (USED WATER)

S ½ OF SECTION 1, TOWNSHIP 20S, RANGE 36E
(SEE FIGURE 2C FOR LOCATION)

KLEINFELDER	WATER STORAGE TANK LOCATION MAPS MP - 3.953 30148 Pipeline Hobbs, New Mexico		FIGURE 3
Originator: M. Wikstrom	Drawn By: PDan	Date: August 2008	
Approved By: D. Janney	Project No.: 93123	Drawing No.: 93123_02_0	
	Scale: 1" = 500'	Drawing Category: A	

Pecos River Basin



SOURCE: Map acquired from http://www.nmenv.state.nm.us/NMAtlas/printablemaps/printablemaps.html

LEGEND

★ TEST SITE

KLEINFELDER	GROUNDWATER ATLAS MAP Pecos River Basin		FIGURE 4
Originator: M. Wikstrom	Drawn By: PDan	Date: April 2008	
Approved By: D. Janney	Project No.: 93123	Drawing No.: 93123_05_0	
	Scale: 1" = 20 mi	Drawing Category: A	

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Tables

Table 1, Groundwater Quality and Analytical Results, (El Paso Natural Gas 1981)

Analyses of Well Water from the Ogallala Formation
Located near El Paso Natural Gas Company's Eunice and Monument Plants

Constituent	Well Designation[1]							
	L[1]	M[2]	N[3]	P[4]	Q[5]	R[6]	S[7]	T[8]
Sulfate (SO_4), mg/L	124	1780	145	72	480	140	380	1480
Chloride (Cl), mg/L	1383	1078	220	35	407	89	145	624
Nitrate (NO_3 as N), mg/L	0	0	4.5	3	5	9.5	0	0
Specific Conductance, mmhos/cm	4100	4800	1100	495	2010	850	1560	4000
pH	7.2	7.15	7.8	7.75	7.85	8.1	8.7	8.05
Total Dissolved Solids, mg/L	3801	4230	874	396	1684	707	1172	3162
Chromium (Cr), mg/L	.01	.01	0	0	.01	0	0	.01
Copper (Cu), mg/L	.05	.05	.05	0	.05	0	0	0
Iron (FE), mg/L	.03	.01	0	0	.01	.01	0	.01
Manganese (Mn), mg/L	.17	.10	0	0	.03	.02	0	.03
Zinc (Zn), mg/L	.10	.75	.10	.70	1.25	.10	0	.05

1/ Windmill 1/4 mile East of Monument Plant (East of Union Texas Britt Well #3).
2/ Windmill 1/2 to 3/4 miles SE of Eunice Plant.
3/ Windmill one mile NW of Monument Plant.
4/ Jim Cooper Ranch Home one mile NW of Monument Plant.
5/ Windmill 1/4 to 1/2 mile SE of Eunice Plant.
6/ Sam Hardy Home 1/4 mile East of Eunice Plant. (Continental Oil Company, East 1/2 mile of house).
7/ Deck Ranch windmill 1/4 mile NW of Eunice Plant.
8/ Millard Deck Ranch windmill 1/2 mile North of Eunice Plant.

APPENDIX A
MSD Sheet for N-Spec 120 Cleaner

Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

Common Name	N-SPEC 120 Cleaner
Supplier	Coastal Chemical Co., L.L.C. 3520 Veterans Memorial Drive Abbeville, LA 70510 337-893-3862
Synonym	Not available.
Trade name	Not available.
Material Uses	Not available.
Manufacturer	Coastal Chemical Co., L.L.C. 3520 Veterans Memorial Drive Abbeville, LA 70510 337-893-3862

Code	
MSDS#	Not available.
Validation Date	9/2/2004
Print Date	9/2/2004
Responsible Name	Charles Toups

In Case of Emergency Transportation Emergency Call CHEMTREC 800-424-9300 Other Infomation Call Charles Toups 337-261-0796

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits
Confidential infomation			

Section 3. Hazards Identification

Physical State and Appearance Liquid.

Emergency Overview

CAUTION!
MAY CAUSE EYE IRRITATION.
MAY CAUSE SKIN IRRITATION.
MAY BE HARMFUL IF SWALLOWED.

Keep away from heat, sparks and flame. Avoid contact with eyes. Do not ingest. Avoid prolonged or repeated contact with skin. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

Routes of Entry Eye contact. Inhalation. Ingestion.

Potential Acute Health Effects

Eyes Hazardous in case of eye contact (irritant). Inflammation of the eye is characterized by redness, watering, and itching.

Skin Irritation of the product in case of skin contact: Not available.
Hazardous in case of skin contact

Inhalation Hazardous in case of inhalation.

Ingestion Hazardous in case of ingestion.

Potential Chronic Health Effects

CARCINOGENIC EFFECTS: Not available.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.

Medical Conditions Aggravated by Overexposure: Repeated or prolonged exposure is not known to aggravate medical condition.

Overexposure /Signs/Symptoms Not available.

See Toxicological Information (section 11)

Continued on Next Page

Section 4. First Aid Measures

Eye Contact	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Get medical attention immediately.
Skin Contact	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cold water may be used.Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.
Notes to Physician	Not available.

Section 5. Fire Fighting Measures

Flammability of the Product	Not available
Auto-ignition Temperature	Not available.
Flash Points	Tested - No Flash present
Flammable Limits	Not available.
Products of Combustion	These products are carbon oxides (CO, CO2), sulfur oxides (SO2, SO3...).
Fire Hazards in Presence of Various Substances	Not available.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use alcohol foam, water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.
Protective Clothing (Fire)	Be sure to use an approved/certified respirator or equivalent.
Special Remarks on Fire Hazards	No additional remark.
Special Remarks on Explosion Hazards	Not available.

Section 6. Accidental Release Measures

Small Spill and Leak	The concentrated form of this material is a cleaner. During application, hazardous material on the apparatus or structure being cleaned may become part of the cleaning solution. Check with all applicable regulations before disposing of the material created during application.
Large Spill and Leak	The concentrated form of this material is a cleaner. During application, hazardous material on the apparatus or structure being cleaned may become part of the cleaning solution. Check with all applicable regulations before disposing of the material created during application.

Continued on Next Page

Section 7. Handling and Storage

Handling	Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Use explosion-proof electrical (ventilating, lighting and material handling) equipment.
Storage	Keep container tightly closed and in a well-ventilated place.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
Personal Protection	
Eyes	Safety glasses.
Body	Lab coat.
Respiratory	Wear appropriate respirator when ventilation is inadequate.
Hands	Impervious gloves.
Feet	Not applicable.
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Product Name	Exposure Limits
Confidential infomation	

Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid.
Molecular Weight	Not applicable.
Molecular Formula	Not applicable.
pH (1% Soln/Water)	6 to 8 [Neutral.]
Boiling/Condensation Point	The lowest known value is 100°C (212°F) (Water). Weighted average: 140.43°C (284.8°F)
Melting/Freezing Point	May start to solidify at 0°C (32°F) based on data for: Water. Weighted average: -46.19°C (-51.1°F)
Critical Temperature	Not available.
Specific Gravity	0.9 to 0.98 (Water = 1)
Vapor Pressure	The highest known value is 2.3 kPa (17.2 mm Hg) (at 20°C) (Water). Weighted average: 1.17 kPa (8.78 mm Hg) (at 20°C)
Vapor Density	The highest known value is 5.11 (Air = 1). Weighted average: 2.93 (Air = 1)
Volatility	Not available.
Odor Threshold	The highest known value is 34.6 ppm
Evaporation Rate	0.02 compared to Butyl acetate
VOC	Not available.

Odor	Not available.
Taste	Not available.
Color	Blue. (Dark.)

Continued on Next Page

Viscosity	Not available.
$LogK_{ow}$	The product is much more soluble in water.
Ionicity (in Water)	Anionic.
Dispersion Properties	See solubility in water, methanol, diethyl ether.
Solubility	Easily soluble in cold water, hot water, methanol, diethyl ether. Insoluble in n-octanol.
Physical Chemical Comments	Not available.

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Conditions of Instability	Not available.
Incompatibility with Various Substances	Reactive with oxidizing agents, acids. Slightly reactive to reactive with reducing agents.
Hazardous Decomposition Products	Not available.
Hazardous Polymerization	Will not occur.

Section 11. Toxicological Information

Toxicity to Animals	Acute oral toxicity (LD50): 1900 mg/kg [Rat]. Acute dermal toxicity (LD50): 9510 mg/kg [Rabbit].
Chronic Effects on Humans	No additional remark.
Other Toxic Effects on Humans	Hazardous in case of eye contact (irritant), of ingestion, of inhalation. Hazardous in case of skin contact (irritant). Slightly hazardous in case of skin contact (sensitizer).
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Not available.
Special Remarks on Other Toxic Effects on Humans	Material is irritating to mucous membranes and upper respiratory tract.

Section 12. Ecological Information

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Biodegradable/OECD	Not available.
Mobility	Not available.
	These products are carbon oxides (CO, CO_2) and water, nitrogen oxides (NO, NO_2...), sulfur oxides (SO_2, SO_3...), phosphates. Some metallic oxides.
Toxicity of the Products of Biodegradation	The products of degradation are less toxic than the product itself.

Continued on Next Page

Special Remarks on the Products of Biodegradation	Not available.

Section 13. Disposal Considerations

Waste Information	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Waste Stream	Not available.

Consult your local or regional authorities.

Section 14. Transport Information

Shipping Description	Not a DOT controlled material (United States). Not regulated.
Reportable Quantity	11061.8 lbs. (5016.7 kg)
Marine Pollutant	Not regulated - Alkylaryl sulfonate amine salt - less then 10 % .
Special Provisions for Transport	Contains alkylbenzenesulfonate

Section 15. Regulatory Information

HCS Classification	CLASS: Target organ effects.
U.S. Federal Regulations	TSCA 8(a) PAIR: contains Alkylbenzenesulfonate SARA 302/304/311/312 extremely hazardous substances: No products were found. SARA 302/304 emergency planning and notification: No products were found. SARA 302/304/311/312 hazardous chemicals: No products were found. SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found. SARA 313 toxic chemical notification and release reporting: No products were found. Clean Water Act (CWA) 307: No products were found. Clean Water Act (CWA) 311: No products were found. Clean air act (CAA) 112 accidental release prevention: No products were found. Clean air act (CAA) 112 regulated flammable substances: No products were found. Clean air act (CAA) 112 regulated toxic substances: No products were found.
International Regulations	
EINECS	Not available.
DSCL (EEC)	Risk to eyes. May cause irriationby skin contact. R322- May be harmful if swallowed. R36/38- Irritating to eyes and skin.
International Lists	No products were found.
State Regulations	Pennsylvania RTK: Dipropylene glycol monomethyl ether; Trade Secret; Gylcol Ether PNB Florida: Dipropylene glycol monomethyl ether; Ethanol Minnesota: Dipropylene glycol monomethyl ether Massachusetts RTK: Dipropylene glycol monomethyl ether; Ethanol New Jersey: Ethanol; Gylcol Ether PNB WARNING: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: Ethanol

Continued on Next Page

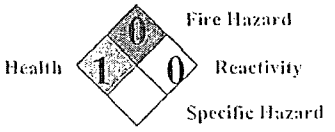
Section 16. Other Information

Label Requirements	MAY CAUSE EYE IRRITATION. MAY CAUSE SKIN IRRITATION. MAY BE HARMFUL IF SWALLOWED.

Hazardous Material Information System (U.S.A.)

Health	*	1
Fire Hazard		0
Reactivity		0
Personal Protection		B

National Fire Protection Association (U.S.A.)



References	Not available.
Other Special Considerations	Not available.

Validated by Charles Toups on 9/2/2004.

Verified by Charles Toups.

Printed 9/2/2004.

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

APPENDIX B
Certification of Siting Criteria

Certification of Siting Criteria, Hydrostatic Discharge on Line 30148 Right of Way, and Water Tank Staging Areas

I, Mark Haag, have performed a site visit and visual inspection to look for the presence of watercourses, lakebeds, playa lakes, residences, schools, hospitals, churches, evidence of underground mines, water wells, and institutions within the specified distances (listed below) of the proposed right of way (ROW) of the proposed discharge location along line 30148 (between MP-0.5 and MP-2.5) and the proposed staging area locations in Section 13, Township 19 South, Range 36 East, and Section 1, Township 20 South, Range 36 East. Before discharge, signs will be posted along the ROW to inform water truck drivers to stop discharging within the specified distances of any of the features listed below.

Mark Haag
Principal Engineer

9/3/08
Date

i. ***Within 200 feet of a watercourse, lakebed, sinkhole, or playa lake;***

ii. ***Within an existing wellhead protection area or 100-year floodplain;***

iii. ***Within, or within 500 feet of, a wetland;***

iv. ***Within the area overlying a subsurface mine; or***

v. ***Within 500 feet from the nearest permanent residence, school, hospital, institution or church.***

APPENDIX C
Public Notice Text in Spanish and English

PUBLIC NOTICE

Application for a Discharge Permit for the 30131 and 30148 Pipeline Hydrostatic Test, Lea County, New Mexico. The 30131 and 30148 pipelines will be utilized for the transport of pipeline quality natural gas from the Eunice C (GW # 379) compressor station located to the south. El Paso Natural Gas (EPNG) hereby gives notice that the following discharge permit application has been submitted in accordance with Subsection B, C, E, and F of 20.6.2.3108 New Mexico Administrative Code. The local mailing address is: El Paso Natural Gas, 2316 West Bender Blvd., Hobbs, NM 88240.

El Paso Natural Gas Company (EPNG), 3300 North A Street, Building 2, Suite 200, Midland, TX 79705 has submitted an application for hydrostatic test water discharge which will occur on the pipeline right of way in Sections 24, 25, and 36; Township 19 South; Range 36 East, and Section 1; Township 20 South; Range 36 East, in Lea County, New Mexico. The location of the discharge is approximately 11 miles southwest of Hobbs, NM, and one mile west of State Highway 8.

In addition to the discharge areas described above, approximately 20,000-gallons of fresh water that will be used to test the new 30131 pipeline will be stored temporarily in portable 21,000-gallon tanks (Frac tank) located in a portion of Section 13; Township 19 South; Range 36 East. Approximately 326,000-gallons of water used to test the existing 30148 pipeline will be stored temporarily in 21,000-gallon tanks in a portion of Section 1; Township 20 South; Range 36 East.

Pressure testing with water, known as hydrostatic testing, is one of the tools pipeline operators use to verify pipeline integrity. The test involves purging the natural gas from the pipeline, cleaning the pipeline with an aqueous, non-hazardous cleaning fluid, filling the pipeline with water, then pressurizing the pipeline to a pressure higher than the standard operating pressure for a specified duration of time.

Prior to hydrostatic testing of L30131, the pipeline will be cleansed using an aqueous and non-hazardous cleaning fluid, N-Spec 120 and then thoroughly rinsed with water to remove any residual cleaning solution, oil, or deleterious substances. It is anticipated that the volume of cleaning solution and rinseate together will not exceed approximately 20,000 gallons. A composite sample from the approximately 10,000 gallons of cleaning fluid and approximately 10,000 gallons of rinseate solution used to clean L30131 prior to hydrostatic testing will be analyzed for corrosivity, ignitability, reactivity, and toxicity in addition to the organic analyses described below. This water will be transported for proper disposal to Safety Kleen in Midland, Texas.

Since the L30148 (Hobbs Lateral) section is new pipeline made of new materials, it is not anticipated that cleansing of this section of pipeline will be required. Following pressure testing with water, a hose is fitted to a valve on the pipeline and the discharge end of the hose is placed into a Frac tank. To drain the tanks for transport to the disposal location, a hose with an in-line pump is fitted to a valve on the Frac tank and the water is pumped into a tank truck. The purpose of hydrostatic testing in a pipeline is to determine the extent to which potential defects might threaten the pipeline's ability to sustain maximum allowable operation pressure. The United States Department of Transportation (USDOT) requires periodic pressurized tests on all USDOT-regulated pipelines. After hydrostatic testing is complete, the water will be analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and RCRA metals before disposal. The volume of water being discharged is estimated to be 326,000 gallons.

The first groundwater likely to be affected by a leak, accidental discharge, or spill exists at a depth of 160 feet below the ground surface. This aquifer system has a total dissolved solids concentration of between 707 and 4230 milligrams per liter or greater.

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

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

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

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

AVISO PÚBLICO

Uso para un permiso de la descarga para la prueba hidrostática de 30131 y 30148 tuberías, condado del pasto, New México. Las 30131 y 30148 tuberías serán utilizadas para el transporte del gas natural de la calidad de la tubería de la estación del compresor de Eunice C (GW # 379) situada al sur. El gas natural de El Paso (EPNG) da por este medio el aviso que el uso siguiente del permiso de la descarga se ha sometido de acuerdo con la subdivisión B, C, E, y F del código administrativo de 20.6.2.31 08 New México. La dirección del correo del local es: Gas natural de El Paso, 2316 bulevares del oeste del doblador., Hobbs, nanómetro 88240.

La compañía de gas natural de El Paso (EPNG), 3300 del norte una calle, construyendo 2, la habitación 200, Midland, TX 79705 ha presentado una solicitud para la descarga hidrostática del agua de la prueba que ocurrirá en el derecho de paso de la tubería en las secciones 24, 25, y 36; El municipio 19 del sur; Gama 36 del este, y sección 1; El municipio 20 del sur; Gama 36 del este, en condado del pasto, New México. La localización de la descarga está a aproximadamente 11 millas de sudoeste de Hobbs, del nanómetro, y de una milla al oeste de la carretera de estado 8.

Además de las áreas de la descarga descritas arriba, aproximadamente 20.000 galones de agua dulce que serán utilizados para probar la nueva tubería 30131 serán almacenados temporalmente en portable los tanques de 21.000 galones (el tanque de Frac) situados en una porción de la sección 13; El municipio 19 del sur; Gama 36 del este. Aproximadamente 326.000 galones de agua usados para probar la tubería existente 30148 serán almacenados temporalmente en los tanques de 21.000 galones en una porción de la sección 1; El municipio 20 del sur; Gama 36 del este.

La prueba de presión con agua, conocida como prueba hidrostática, es una del uso de los operadores de la tubería de las herramientas de verificar integridad de la tubería. La prueba implica el purgar del gas natural de la tubería, limpiando la tubería con un quitamanchas acuoso, non-hazardous, relleno la tubería con agua, después presurizando la tubería a una presión más alta que la presión de funcionamiento estándar para una duración especificada del tiempo.

Antes de la prueba hidrostática de L30131, la tubería será limpiada usando un quitamanchas acuoso y non-hazardous, N-Espec. 120 y después aclarada a fondo con agua para quitar cualquier solución residual de la limpieza, aceite, o sustancia deletérea. Se anticipa que el volumen de solución y de rinseate de la limpieza de junto no excederá aproximadamente 20.000 galones. Una muestra compuesta de los aproximadamente 10.000 galones de quitamanchas y de aproximadamente 10.000 galones de la solución del rinseate usados para limpiar L30131 antes de la prueba hidrostática será analizada por la reactividad-corrosivity, el ignitability, y la toxicidad además de los análisis orgánicos descritos más abajo.

Esta agua será transportada para la disposición apropiada a la seguridad Kleen en el Midland, Tejas. Desde L30148 (lateral de Hobbs) la sección es nueva tubería hecha de nuevos materiales, él no se anticipa que el limpiamiento de esta sección de la tubería será requerido. Después de la prueba de presión con agua, una manguera se cabe a una válvula en la tubería y el extremo de la descarga de la manguera se pone en un tanque de Frac. Para drenar los tanques para el transporte a la localización de la disposición, una manguera con una bomba en línea se cabe a una válvula en el tanque de Frac y el agua se bombea en un carro del tanque. El propósito de la prueba hidrostática en una tubería es determinar el grado a el cual los defectos potenciales pudieron amenazar a la capacidad de la tubería de sostener la presión máxima permitida de la operación. El Ministerio de Transporte de Estados Unidos (USDOT) requiere pruebas a presión periódicas en todas las tuberías USDOT-reguladas. Después de que la prueba hidrostática sea completa, el agua será analizada para los compuestos orgánicos volátiles (VOCs), los compuestos orgánicos semi-volátiles (SVOCs), y los metales de RCRA antes de la disposición. El volumen de agua que es descargada se estima para ser 326.000 galones. La primera agua subterránea probablemente que se afectará por un escape, una descarga accidental, o un derramamiento existe en una profundidad de 160 pies debajo de la superficie de tierra. Este sistema del acuífero tiene una concentración total de los sólidos en suspensión entre de 707 y 4230 miligramos por litro o mayor. El aviso del plan del intento y de la descarga sometido a los esquemas de NMOCD cómo el agua y la basura producidas serán manejadas correctamente, incluyendo la dirección, almacenaje, y disposición final. El plan también incluye los procedimientos para la gerencia apropiada de escapes, de descargas accidentales, y de derramamientos para proteger las aguas del estado de New México. Para la información adicional, ser colocado en una lista de personas a quienes se mandan propaganda facilidad-específica para los avisos futuros, o someter los comentarios satisfacen entran en contacto con:

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

La energía de New México, los minerales y el departamento de los recursos naturales aceptarán comentarios y declaraciones del interés con respecto a este uso y proporcionarán los avisos futuros para esta tubería a petición.

APPENDIX D
Monument Station Well Analytical Results

LABORATORY SERVICE REPORT

REQUESTOR:	Morrow, Kenny	**REPORT DATE:**	12/30/2005
		REQUEST NO:	2005121518
		APPROVED BY:	Campbell, Darrell
		PENDING REQ. ID:	2005121518
DISTRIBUTION:	Howell, Timothy; St. John, Robert; Havenman, Bill; Whitney, Mark		
PERFORMED BY:	Aerotech Environmental Laboratories		

Request Description:	Domestic water (SWDA) @ Monument
Date Received:	12/2/2005
Date Completed:	12/29/2005

Sample No: 1 Sampled By: Mark Whitney Sample Date: 12/1/2005 2:00:00 PM

Description:	
Analysis:	WP Domestic Water - SDWA PAL
Purpose:	Disposal/Environmental Concerns
Matrix:	Water
Location:	EPNG - Midland - Plains - Monument Station - 0+0 - Breakroom - sink

Data: See attached sheet(s).

Comments:

Request: 2005121518

Sample:	**1**
Metals	
Aluminum (mg/l)	< 0.2
Barium (mg/l)	< 0.001
Beryllium (mg/l)	< 0.001
Boron (mg/l)	< 0.2
Cadmium (mg/l)	< 0.001
Calcium (mg/l)	< 2
Chromium (mg/l)	< 0.001
Copper (mg/l)	0.023
Iron (mg/l)	< 0.05
Magnesium (mg/l)	< 2
Manganese (mg/l)	< 0.005
Nickel (mg/l)	< 0.001
Potassium (mg/l)	< 2
Silver (mg/l)	< 0.001
Sodium (mg/l)	< 2
Zinc (mg/l)	< 0.01
Antimony (mg/l)	< 0.003
Arsenic (mg/l)	< 0.001
Lead (mg/l)	< 0.001
Selenium (mg/l)	< 0.002
Thallium (mg/l)	< 0.001
Hardness, Calcium/Magnesium (As CaC (mg/l)	< 13
Mercury (mg/l)	< 0.0002
Anions	
Bromide (mg/l)	< 0.5
Chloride (mg/l)	< 2
Nitrogen, Nitrate (As N) (mg/l)	< 0.2
Nitrogen, Nitrite (As N) (mg/l)	< 0.2
Sulfate (mg/l)	< 2
Fluoride (mg/l)	< 0.4
General Analyses	
Alkalinity, Bicarbonate (As CaCO3) (mg/l)	< 2
Alkalinity, Carbonate (As CaCO3) (mg/l)	< 2
Alkalinity, Hydroxide (As CaCO3) (mg/l)	< 2
Alkalinity, Total (As CaCO3) (mg/l)	< 6
Cyanide, Total (mg/l)	< 0.02
Specific Conductivity (µS/cm)	6.7
Chromium VI (mg/l)	< 0.01
pH (SU)	6.74
Silica (Silicon dioxide-SiO2) (mg/l)	< 0.2139
Total Dissolved Solids (mg/l)	< 10
Suspended Solids (Residue, Non-Filt (mg/l)	< 10
Turbidity (NTU)	0.27
Asbestos (MFL)	< 0.2
Radiochemical Activity	
Gross Alpha (pCi/L)	1.0+/-0.5

Request: 2005121518

Sample:	1
Gross Beta (pCi/L)	<2.9
Radium 226 (pCi/L)	<0.2
Radium 228 (pCi/L)	<0.4
Total Radium (pCi/L)	<0.4

504.1 Analysis

1,2-Dibromo-3-chloropropane (DBCP) (mg/l)	< 0.00002
1,2-Dibromoethane (EDB) (mg/l)	< 0.00001

505 Analysis

Chlordane (mg/l)	< 0.0002
Aroclor 1016 (mg/l)	< 0.00008
Aroclor 1221 (mg/l)	< 0.02
Aroclor 1232 (mg/l)	< 0.0005
Aroclor 1242 (mg/l)	< 0.0003
Aroclor 1248 (mg/l)	< 0.0001
Aroclor 1254 (mg/l)	< 0.0001
Aroclor 1260 (mg/l)	< 0.0002
Toxaphene (mg/l)	< 0.001

515.1 Analysis

2,4-D (mg/l)	< 0.0001
2,4,5-TP (Silvex) (mg/l)	< 0.0002
Pentachlorophenol (mg/l)	< 0.00004
Dalapon (mg/l)	< 0.001
Dinoseb (mg/l)	< 0.0002
Picloram (mg/l)	< 0.0001
Dicamba (mg/l)	< 0.0001

524.2 Analysis

1,1,1,2-Tetrachloroethane (mg/l)	< 0.0005
1,1,1-Trichloroethane (mg/l)	< 0.0005
1,1,2,2-Tetrachloroethane (mg/l)	< 0.0005
1,1,2-Trichloroethane (mg/l)	< 0.0005
1,1-Dichloroethane (mg/l)	< 0.0005
1,1-Dichloroethene (mg/l)	< 0.0005
1,1-Dichloropropene (mg/l)	< 0.0005
1,2,3-Trichlorobenzene (mg/l)	< 0.0005
1,2,3-Trichloropropane (mg/l)	< 0.002
1,2,4-Trichlorobenzene (mg/l)	< 0.0005
1,2,4-Trimethylbenzene (mg/l)	< 0.0005
1,2-Dibromo-3-chloropropane (mg/l)	< 0.002
1,2-Dibromoethane (mg/l)	< 0.0005
1,2-Dichlorobenzene (mg/l)	< 0.0005
1,2-Dichloroethane (mg/l)	< 0.0005
1,2-Dichloropropane (mg/l)	< 0.0005
1,3,5-Trimethylbenzene (mg/l)	< 0.0005
1,3-Dichlorobenzene (mg/l)	< 0.0005
1,3-Dichloropropane (mg/l)	< 0.0005
1,4-Dichlorobenzene (mg/l)	< 0.0005
2,2-Dichloropropane (mg/l)	< 0.0005

Request: 2005121518

Sample:	1
2-Chlorotoluene (mg/l)	< 0.0005
4-Chlorotoluene (mg/l)	< 0.0005
4-Isopropyltoluene (mg/l)	< 0.0005
Benzene (mg/l)	< 0.0005
Bromobenzene (mg/l)	< 0.0005
Bromochloromethane (mg/l)	< 0.0005
Bromodichloromethane (mg/l)	< 0.0005
Bromoform (mg/l)	< 0.0005
Bromomethane (mg/l)	< 0.0005
Carbon tetrachloride (mg/l)	< 0.0005
Chlorobenzene (mg/l)	< 0.0005
Chloroethane (mg/l)	< 0.0005
Chloroform (mg/l)	< 0.0005
Chloromethane (mg/l)	< 0.0005
cis-1,2-Dichloroethene (mg/l)	< 0.0005
cis-1,3-Dichloropropene (mg/l)	< 0.0005
Dibromochloromethane (mg/l)	< 0.0005
Dibromomethane (mg/l)	< 0.0005
Dichlorodifluoromethane (mg/l)	< 0.0005
Ethylbenzene (mg/l)	< 0.0005
Hexachlorobutadiene (mg/l)	< 0.0005
Isopropylbenzene (mg/l)	< 0.0005
m,p-Xylene (mg/l)	< 0.0005
Methylene chloride (mg/l)	< 0.0005
Naphthalene (mg/l)	< 0.0005
n-Butylbenzene (mg/l)	< 0.0005
n-Propylbenzene (mg/l)	< 0.0005
o-Xylene (mg/l)	< 0.0005
sec-Butylbenzene (mg/l)	< 0.0005
Styrene (mg/l)	< 0.0005
tert-Butylbenzene (mg/l)	< 0.0005
Tetrachloroethene (mg/l)	< 0.0005
Toluene (mg/l)	< 0.0005
trans-1,2-Dichloroethene (mg/l)	< 0.0005
trans-1,3-Dichloropropene (µg/l)	< 0.0005
Trichloroethene (mg/l)	< 0.0005
Trichlorofluoromethane (mg/l)	< 0.0005
Trihalomethanes, Total (mg/l)	< 0.0005
Vinyl chloride (mg/l)	< 0.0005
Xylenes, Total (mg/l)	< 0.0005
525.2 Analysis	
Alachlor (mg/l)	< 0.0002
Aldrin (mg/l)	< 0.0005
Atrazine (mg/l)	< 0.0001
Heptachlor (mg/l)	< 0.00004
Heptachlor epoxide (mg/l)	< 0.00002
gamma-BHC (Lindane) (mg/l)	< 0.00002
Benzo[a]pyrene (µg/l)	< 0.00002
Di(2-ethylhexyl)phthalate (mg/l)	< 0.0006
Di(2-ethylhexyl)adipate (mg/l)	< 0.0006

Request: 2005121518

Sample:	1
Endrin (mg/l)	< 0.00001
Hexachlorobenzene (mg/l)	< 0.0001
Hexachlorocyclopentadiene (mg/l)	< 0.0001
Simazine (mg/l)	< 0.00007
Methoxychlor (mg/l)	< 0.0001
Propachlor (mg/l)	< 0.0005
Butachlor (mg/l)	< 0.0005
Dieldrin (mg/l)	< 0.0005
Metolachlor (mg/l)	< 0.0005
Metribuzin (mg/l)	< 0.0005
531.1 Analysis	
Aldicarb (mg/l)	< 0.0005
Aldicarb Sulfone (mg/l)	< 0.0008
Aldicarb Sulfoxide (mg/l)	< 0.0005
Carbaryl (mg/l)	< 0.0005
Carbofuran (mg/l)	< 0.0009
3-Hydroxycarbofuran (mg/l)	< 0.0005
Methomyl (mg/l)	< 0.0005
Oxamyl (mg/l)	< 0.002
547 Analysis	
Glyphosate (mg/l)	< 0.006
548.1 Analysis	
Endothall (mg/l)	< 0.009
549.2 Analysis	
Diquat (mg/l)	< 0.0004
1613-B Analysis	
2,3,7,8-TCDD (pg/l)	< 5.0

elpaso

CHAIN OF CUSTODY RECORD

LSR NUMBER	PROJECT NAME
2005121518	Monument Station

SAMPLERS: (Signature) Mark Whitten

DATE: 12-1-05

LAB ID	DATE	TIME	MATRIX	SAMPLE NUMBER	TOTAL NUMBER OF CONTAINES	COMPOSITE OR GRAB	Metals*	Anions*	General Chemistry*	Asbestos	Radiochemical*	504.1, 524.2	505, 515.1	525.2, 531.1, 547	548, 549, 1613
	12-1	1400	A	1	28	G	X	X	X	X	X	XX	XX	XXX	XXX
			A	Trip Blank		G						XX			

LABORATORY: PAL

REMARKS: IF SAMPLE QUANITY IS LIMITED - PLEASE ANALYZE IN ORDER GIVEN

*See Attached List

RELINQUISHED BY: (Signature)	DATE:	TIME:	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE:	TIME:	RECEIVED BY: (Signature)
Mark Whitten	12-1	1700					
RELINQUISHED BY: (Signature)	DATE:	TIME:	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE:	TIME:	RECEIVED AT LABORATORY BY: (Signature)

REQUESTED TURNAROUND TIME:
☑ Routine ☐ Rush

SAMPLE RECIEIPT REMARKS:

RESULTS & INVOICES TO:

LABORATORY SERVICES
EL PASO CORPORATION
8645 RAILROAD DRIVE
EL PASO, TEXAS 79904

915-587-3729 FAX: 915-587-3835

Original *Testing Laboratory*
Copy *EPC Laboratory*
Copy *Field Sampler*

AIRBILL NO:

CHARGE CODE:

APPENDIX E
Copy of Emails from the New Mexico Abandoned Mine Lands Program

Marco Wikstrom - RE: Hydrostatic Test Discharge Site

From: "Tompson, Mike, EMNRD" <Mike.Tompson@state.nm.us>
To: "Marco Wikstrom" <MWikstrom@kleinfelder.com>
Date: 9/8/2008 8:29 AM
Subject: RE: Hydrostatic Test Discharge Site

Here is the message. I will call to make sure you received it.

Mike Tompson

From: Tompson, Mike, EMNRD
Sent: Tuesday, July 22, 2008 11:19 AM
To: 'Marco Wikstrom'; Jones, Brad A., EMNRD
Cc: Kretzmann, John, EMNRD
Subject: RE: Hydrostatic Test Discharge Site

Marco and Brad,

This is a confirmation that the Abandoned Mine Land Program does not know of any abandoned mines is the Sections you specified below. That is not to say that there are definitely no mines in the area. It just means that we have not had any reports of mines being located there in the past. And the USGS does not show any mining symbols on the topo map.

I hope this e-mail sufficient and if anybody has any questions, they are welcome to contact me.

Mike Tompson
New Mexico Abandoned Mine Land Program
505.476.3427

From: Marco Wikstrom [mailto:MWikstrom@kleinfelder.com]
Sent: Tuesday, July 22, 2008 9:08 AM
To: Tompson, Mike, EMNRD
Cc: Glen.Thompson@ElPaso.com; David Janney
Subject: Hydrostatic Test Discharge Site

Mike,

We talked on the phone a few months back about locating abandoned mines in the vicinity of a proposed hydrostatic discharge. The NMOCD now wants an email from you verifying what we talked about (per your records) that there are no mines underlying the proposed discharge, "...within the area overlying a subsurface mine."

The location of the discharge is within the following sections:

The proposed discharge will occur on the pipeline right-of-way within the following sections in Lea County, New Mexico:

Section 1, Township 20 South, Range 36 East

Section 36, Township 19 South, Range 36 East

Section 25, Township 19 South, Range 36 East

Section 24, Township 19 South, Range 36 East

Introduction and removal of discharge water will occur, and water storage tanks will be located within the staging area in the following section in Lea County, New Mexico:

Section 13, Township 19 South, Range 36 East

After reviewing your records, can you CC me on the email you send to Brad Jones of the NMOCD?

His email address is: brad.a.jones@state.nm.us

Thanks,
Marco

Marco Wikstrom
Staff Geologist
KLEINFELDER
mwikstrom@kleinfelder.com
(505) 344-7373 Office
(505) 344-1711 Fax
(505) 948-4454 Mobile

8300 Jefferson NE Suite B
Albuquerque, NM 87113

communication is strictly prohibited. If you have received this
information in error, please notify the sender immediately.

Confidentiality Notice: This e-mail, including all attachments is for the sole use c

APPENDIX F
Letter Addressed to Mr. James Byrd

elpaso Natural Gas

August 12, 2008

Mr. James T. Byrd
Byrd Ranch
P.O. Box 32
Monument, New Mexico 88265

Dear Mr. Byrd;

I hope this letter finds you and Mrs. Byrd healthy and happy. Recently, I was notified by El Paso Natural Gas Company's ("EPNG") Accounting Department located in Houston, Texas about asking the owner of Byrd Ranch complete a "Request For Taxpayer Identification Number And Certification", i.e. Form W-9 for their internal records. For your convenience I have enclosed form W-9 and highlighted the areas that need your attention. Please fill out the form and return in the provided prepaid envelope.

In regard to the proposed 20" Hobbs Pipeline Project due to start in September 2008, EPNG had previously surveyed a 5-acre area on your property and designated it as a key staging area. Within this area pipe, vehicles, large water storage tanks otherwise known as "Frac Tanks" and other miscellaneous items will be temporarily stored within this 5-acre area. Be advised that EPNG will pay compensation for damages incurred to this area during our use of the property. During my next visit, I will call and setup an appointment so we can meet and take care of the details. (My offer still stands for dinner in Hobbs!)

Also, in order to re-verify the predetermined boundaries of the aforementioned 5-acres, EPNG survey along with our third party survey crew will be on site to thoroughly mark the perimeter. Mr. and Mrs. Byrd, as always it is a true pleasure knowing and working with you. Please know that EPNG strives to be the ***neighbor to have*** *so if you have questions regarding any of the issues mentioned above please call me directly @ (719) 661-9800. Take care and I hope to see you soon!*

Regards

John J. Lopez
Land Department

El Paso Natural Gas
2 North Nevada Avenue Colorado Springs, Colorado 80903
PO Box 1087 Colorado Springs, Colorado 80944
tel 719 473 2300

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 20S Range: 36E Sections: 1

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) ○ Non-Domestic ○ Domestic ◉ All

POD / Surface Data Report | Avg Depth to Water Report | Water Column Report

Clear Form | iWATERS Menu | Help

POD / SURFACE DATA REPORT 09/11/2008

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are biggest to smallest X Y are in Feet UTM are in Meters)

DB File Nbr	Use	(acre ft per annum) Diversion	Owner	POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM_Zone	Easting	Northing	Start Date	Finish Date	Depth Well
L 03188	PRO	3	AMERADA PETROLEUM CORPORATION	L 03188		20S	36E	01	4	1	2				13	659096	3608358			
				L 03188 APPRO		20S	36E	01	4	1	2				13	659096	3608358	05/10/1956		
L 03814	DOM	3	W. C. BYRD	L 03814	Shallow	20S	36E	01	2	2	2				13	659488	3609171	09/03/1958	09/04/1958	60
				L 03814 APPRO	Shallow	20S	36E	01	2	2	2				13	659488	3609171	09/03/1958	09/04/1958	60

Record Count: 4

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 20S Range: 36E Sections: 1

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) ○ Non-Domestic ○ Domestic ◉ All

POD / Surface Data Report | Avg Depth to Water Report | Water Column Report

Clear Form | iWATERS Menu | Help

POD / SURFACE DATA REPORT 09/11/2008

(acre ft per annum) (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest) X Y are in Feet UTM are in Meters)

DB File Nbr	Use	Diversion	Owner	POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM_Zone	Easting	Northing	Start Date	Finish Date	Depth Well
L 01270	MUL	0	GULF OIL CORPORATION	L 01270		19S	36E	36	4	4	2				13	659483	3609574			
L 01279	PRO	0	GULF OIL CORPORATION	L 01279		19S	36E	24	2	1	4				13	659013	3613804			
L 02131	COM	30	THE TEXAS COMPANY	L 02131 DCL	Shallow	19S	36E	24	4	2					13	659329	3613106			
				L 02131 S	Shallow	19S	36E	24	4	4					13	659335	3612704			
				L 02131 S 2	Shallow	19S	36E	24	4	4					13	659335	3612704			
L 02612	IND	0	VERSADO GAS PROCESSORS, LLC	L 02612	Shallow	19S	36E	24	3	2	2				13	658624	3613192			
L 02613	IND	0	VERSADO GAS PROCESSORS, LLC	L 02613		19S	36E	24	3	2	4				13	658624	3612992			
L 02614	IND	0	VERSADO GAS PROCESSORS, LLC	L 02614	Shallow	19S	36E	24	3	2	2				13	658624	3613192			
L 04716	DOM	3	CLIMAX CHEMICAL COMPANY	L 04716		19S	36E	36	3						13	658376	3609656			
				L 04716 APPRO EXP		19S	36E	36	3						13	658376	3609656			
L 04772	EXP	3	CLIMAX CHEMICAL COMPANY	L 04772 EXPL	Shallow	19S	36E	24							13	658731	3613286	12/18/1961	12/28/1961	130
L 11029	POL	3	CHEVRON USA INC	L 11029	Shallow	19S	36E	24	4	2					13	659329	3613106	10/14/1999	10/14/1999	75
L 11030	POL	3	CHEVRON USA INC	L 11029	Shallow	19S	36E	24	4	2					13	659329	3613106	10/14/1999	10/14/1999	75
L 11031	POL	3	CHEVRON USA INC	L 11029	Shallow	19S	36E	24	4	2					13	659329	3613106	10/14/1999	10/14/1999	75

Record Count: 14