HIP - ___108___

GENERAL CORRESPONDENCE

YEAR(S): ___2008-2007___

Jones, Brad A., EMNRD

From: Bruce Gillick [BGillick@markwest.com]
Sent: Friday, February 08, 2008 6:22 AM
To: Jones, Brad A., EMNRD
Subject: RE: MarkWest New Mexico L.P. Hydrostatic Test Notice

Thanks Brad

From: Jones, Brad A., EMNRD [mailto:brad.a.jones@state.nm.us]
Sent: Thursday, February 07, 2008 7:06 PM
To: Jeff.Keiser@CH2M.com
Cc: Bruce Gillick
Subject: RE: MarkWest New Mexico L.P. Hydrostatic Test Notice

Jeff,

Thanks for providing the display ads and letter.

Bruce,

A hardcopy of the attached permit will be mailed tomorrow. If you have any questions, I will be in the office next Monday and part of Tuesday. Have a great weekend.

Brad

Brad A. Jones
Environmental Engineer
Environmental Bureau
NM Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, New Mexico 87505
E-mail: brad.a.jones@state.nm.us
Office: (505) 476-3487
Fax: (505) 476-3462

From: Jeff.Keiser@CH2M.com [mailto:Jeff.Keiser@CH2M.com]
Sent: Thursday, February 07, 2008 12:45 PM
To: Jones, Brad A., EMNRD
Cc: BGillick@markwest.com
Subject: MarkWest New Mexico L.P. Hydrostatic Test Notice

Attached is a copy of the letter sent to Bruce Alene Carlin Est. for notice of the MarkWest Pipeline Project. The same text was used in all letters sent to the landowners to notice the project. Also enclosed is the Affidavit for publication of the notice in the Hobbs Sun.

If you have any questions regarding this information please contact me at the number listed below.

Thanks JK

Jones, Brad A., EMNRD

From: Jeff.Keiser@CH2M.com
Sent: Thursday, February 07, 2008 12:45 PM
To: Jones, Brad A., EMNRD
Cc: BGillick@markwest.com
Subject: MarkWest New Mexico L.P. Hydrostatic Test Notice
Attachments: Affidavit.pdf; Letter.pdf

Attached is a copy of the letter sent to Bruce Alene Carlin Est. for notice of the MarkWest Pipeline Project. The same text was used in all letters sent to the landowners to notice the project. Also enclosed is the Affidavit for publication of the notice in the Hobbs Sun.

If you have any questions regarding this information please contact me at the number listed below.

Thanks JK

CH2M HILL
135 South 84th Street
Suite 325
Milwaukee, WI 53214
Tel 414-272-2426
Fax 414-272-4408

CH2MHILL

December 13, 2007

Bruce Alene Carlin Est.
PO Box 188
Monument, NM 88265

Subject: Notice of Intent to Discharge Hydrostatic Test Water

Enclosed is a notice that MarkWest New Mexico, L.P. is proposing to hydrostatically test a new natural gas pipeline near your property. As a result of the testing, clean water will be discharged to the ground along the right-of-way.

Please read the notice carefully. Should you have any questions or comments related to the proposed discharge, please contact Mr. Brad Jones/NM as identified in the notice.

Sincerely,

CH2M HILL

Jeff Keiser
Project Manager

Advertising Receipt

Hobbs Daily News-Sun
201 N Thorp
P O Box 936
Hobbs, NM 88241-0850
Phone: (575) 393-2123
Fax: (575) 397-0610

JEFF KEISER
CH2M HILL
135 SOUTH 84TH STREET, STE. 325
MILWAUKEE, WI 53214

Customer #:	49101788-000
Ad #:	49679784
Job #:	24884
Phone:	(414)847-0382
Date:	01/23/08
Description:	PUBLIC NOTICE

Run Date	Insertion Number	Sales Person	Description	Ad Type	Size	Rate Code	Total Cost
12/15/07	49679785	02	07 07 Daily News-Sun	RP	3.00 x 4.00	RE	129.00

Total:	129.00
Tax:	8.63
Prepayment:	0.00
Total Due	137.63

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 paper, and not a supplement thereof for a period

of 1 issue(s).
Beginning with the issue dated
DECEMBER 15, 2007

and ending with the issue dated
DECEMBER 15, 2007

PUBLISHER

Sworn and subscribed to before me this 23rd day of JANUARY, 2008

Notary Public.

My Commission expires
February 07, 2009
(Seal)

NOTICE OF INTENT TO DISCHARGE HYDROSTATIC TEST WATER

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

MarkWest New Mexico, L.P. (MarkWest), 1515 Arapahoe Street, Denver, CO 80202 has filed an application for an Individual Hydrostatic Test Discharge Permit for the proposed MarkWest New Mexico L.P., Hobbs Pipeline a new natural gas pipeline that extends from the Duke Energy Linam Branch Plant to the Lea Partners Hobbs Power Plant. Approximately 3.16 miles of new 16-inch pipe will be hydrostatically tested using water from Eunice, New Mexico. MarkWest proposes to discharge the test wastewater along the pipeline right-of-way within T18S R37E Section 31 NMPM, Lea County, New Mexico. The discharge location can be found by driving West from Hobbs New Mexico on US-62/US-180 for approximately 9.4 miles. The discharge site is located near a red and white cattle guard on the north side of the highway, and is approximately 600 feet from the road. The discharge site is across from the Duke Energy Linam Ranch Plant, 11525 West Carlsbad Highway, Hobbs New Mexico. Approximately 195,000 gallons of discharge water will be generated from the hydrostatic test, and tested prior to disposal. Due to the new pipe and clean water to be used during the testing, the discharge water is expected to meet Water Quality Control Commission (WQCC) water quality standards and will be discharged through a slotted pipe on the right-of-way. If WQCC water quality standards are not met the test wastewater will be hauled to an approved disposal location. Groundwater most likely to be affected by an accidental discharge is at a depth of 25 to 65 feet below ground surface with a total dissolved solids concentration of 310 to 430 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 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 the facility specific mailing list may contact:

Brad Jones/NMOCD
1220 S. Saint Francis Drive, Santa Fe, New Mexico 87505
Telephone (505) 476-3487, E-mail: brad.a.jones@state.nm.us

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

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

49101788-000 49679784

CH2M HILL
135 S. 84TH ST., STE. 325
MILWAUKEE, WI 53214

Advertising Receipt

Hobbs Daily News-Sun
201 N Thorp
P O Box 936
Hobbs, NM 88241-0850
Phone: (575) 393-2123
Fax: (575) 397-0610

JEFF KEISER
CH2M HILL
135 SOUTH 84TH STREET, STE. 325
MILWAUKEE, WI 53214

Customer #:	49101788-000
Ad #:	49679786
Job #:	24885
Phone:	(414)847-0382
Date:	01/23/08
Description:	PUBLIC NOTICE

Run Date	Insertion Number	Sales Person	Description	Ad Type	Size	Rate Code	Total Cost
12/15/07	49679787	02	07 07 Daily News-Sun	RP	3.00 x 4.00	RE	129.00

Total:	129.00
Tax:	8.63
Prepayment:	0.00
Total Due	137.63

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 paper, and not a supplement thereof for a period

of 1 issue(s).
Beginning with the issue dated
DECEMBER 15, 2007

and ending with the issue dated
DECEMBER 15, 2007

PUBLISHER
Sworn and subscribed to before

me this 23rd day of
JANUARY, 2008

Notary Public.

My Commission expires
February 07, 2009
(Seal)

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

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

NOTIFICACIÓN DE INTENCIÓN PARA LA DESCARGA DE AGUA DE PRUEBA HIDROSTÁTICA

A través de la presente se notifica que la siguiente aplicación para el permiso de descarga ha sido presentado al Director de la División de la Conservación de Petróleo de Nuevo Mexico ("NMOCD", por sus siglas en ingles) 1220 S. Saint Francis Drive, Santa Fe, New Mexico 87505, teléfono (505) 476-3440:

MarkWest New Mexico, L.P. (MarkWest), 1515 Arapahoe Street, Denver, CO 80202 ha presentado una aplicación para un Permiso de Descarga de Prueba Hidrostático Individual para el Gaseoducto MarkWest New Mexico L.P. Hobbs propuesto, un nuevo gaseoducto que se extiende desde la Planta Duke Energy Linam Branch hasta la Planta de Poder Lea Partners Hobbs. Aproximadamente 3.16 millas de tubería nueva de 16 pulgadas será probado hidrostáticamente usando agua de Eunice, New Mexico. MarkWest propone descargar el agua de prueba a lo largo del derecho de paso de la tubería dentro de T18S R37E Sección 31, NMPM, Lea County, New Mexico. La ubicación del lugar de descarga se puede encontrar si conduce en dirección oeste en la US-62/US-180 por aproximadamente 9.4 millas al oeste de Hobbs, NM. El área de descarga está ubicada cerca de una reja de tubos metálicos de color rojo y blanco en la calzada que impide el paso del ganado en el costado norte de la autopista. El sitio de descarga está al otro lado de la Planta Duke Energy Linam Ranch, 11525 West Carlsbad Highway, Hobbs New Mexico. Aproximadamente, la prueba hidrostática generará 195,000 galones de agua de descarga, *la cual será analizada antes de ser desechada. Debido a la nueva tubería y el agua limpia que se utilizará durante la prueba, se anticipa* que el agua descargada cumplirá con los estándares de calidad de agua de la Comisión de Control de Calidad del Agua (WQCC, por sus siglas en inglés) y será descargada a través de una tubería ranurada hacia el derecho de paso. Si no se cumple con los estándares de calidad de agua de la WQCC el agua residual de prueba será transportada hasta un lugar de desecho aprobado. El agua subterránea que probablemente será la más afectada por una descarga accidental, está a una profundidad de 25 a 65 pies por debajo de la superficie del suelo con una concentración de sólidos disueltos totales de 310 a 430 mg/l. El plan consiste de una descripción del método y ubicación para retención y análisis, incluyendo como será el manejo de derrames, escapes y otras descargas accidentales para proteger el agua fresca.

La NMOCD aceptará comentarios y declaraciones de interés con relación a esta aplicación y creará una lista de correo específica a la instalación para personas que deseen recibir notificaciones futuras. Las personas que estén interesadas en recibir información adicional, enviar comentarios o solicitar que se les incluya en la lista de correo específica a la instalación, pueden contactar a:

Brad Jones/NMOCD
1220 S. Saint Francis Drive, Santa Fe, New Mexico 87505
Teléfono: (505) 476-3487, Correo electrónico: brad.a.jones@state.nm.us

49101788-000 49679786

CH2M HILL
135 S. 84TH ST., STE. 325
MILWAUKEE, WI 53214

CH2M HILL
135 South 84th Street
Suite 325
Milwaukee, WI 53214
Tel 414-272-2426
Fax 414-272-4408

CH2MHILL

December 13, 2007

Bruce Alene Carlin Est.
PO Box 188
Monument, NM 88265

Subject: Notice of Intent to Discharge Hydrostatic Test Water

Enclosed is a notice that MarkWest New Mexico, L.P. is proposing to hydrostatically test a new natural gas pipeline near your property. As a result of the testing, clean water will be discharged to the ground along the right-of-way.

Please read the notice carefully. Should you have any questions or comments related to the proposed discharge, please contact Mr. Brad Jones/ NM as identified in the notice.

Sincerely,

CH2M HILL

Jeff Keiser
Project Manager

NOTICE OF INTENT TO DISCHARGE HYDROSTATIC TEST WATER

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

MarkWest New Mexico, L.P. (MarkWest), 1515 Arapahoe Street, Denver, CO 80202 has filed an application for an Individual Hydrostatic Test Discharge Permit for the proposed MarkWest New Mexico L.P., Hobbs Pipeline a new natural gas pipeline that extends from the Duke Energy Linam Branch Plant to the Lea Partners Hobbs Power Plant. Approximately 3.16 miles of new 16-inch pipe will be hydrostatically tested using water from Eunice, New Mexico. MarkWest proposes to discharge the test wastewater along the pipeline right-of-way within T18S R37E Section 31 NMPM, Lea County, New Mexico. The discharge location can be found by driving West on US-62/US-180 for approximately 9.4 miles West of Hobbs, NM. The discharge site is located near a red and white cattle guard on the north side of the highway, and is approximately 600 feet from the road. The discharge site is across from the Duke Energy Linam Ranch Plant, 11525 West Carlsbad Highway, Hobbs New Mexico. Approximately 195,000 gallons of discharge water will be generated from the hydrostatic test, and tested prior to disposal. Due to the new pipe and clean water to be used during the testing, the discharge water is expected to meet Water Quality Control Commission (WQCC) water quality standards and will be discharged through a slotted pipe on the right-of-way. If WQCC water quality standards are not met the test wastewater will be hauled to an approved disposal location. Groundwater most likely to be affected by an accidental discharge is at a depth of 25 to 65 feet below ground surface with a total dissolved solids concentration of 310 to 430 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 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 the facility specific mailing list may contact:

Brad Jones/NMOCD
1220 S. Saint Francis Drive
Santa Fe, New Mexico 87505
Telephone (505) 476-3487
E-mail: brad.a.jones@state.nm.us

NOTIFICACIÓN DE INTENCIÓN PARA LA DESCARGA DE AGUA DE PRUEBA HIDROSTÁTICA

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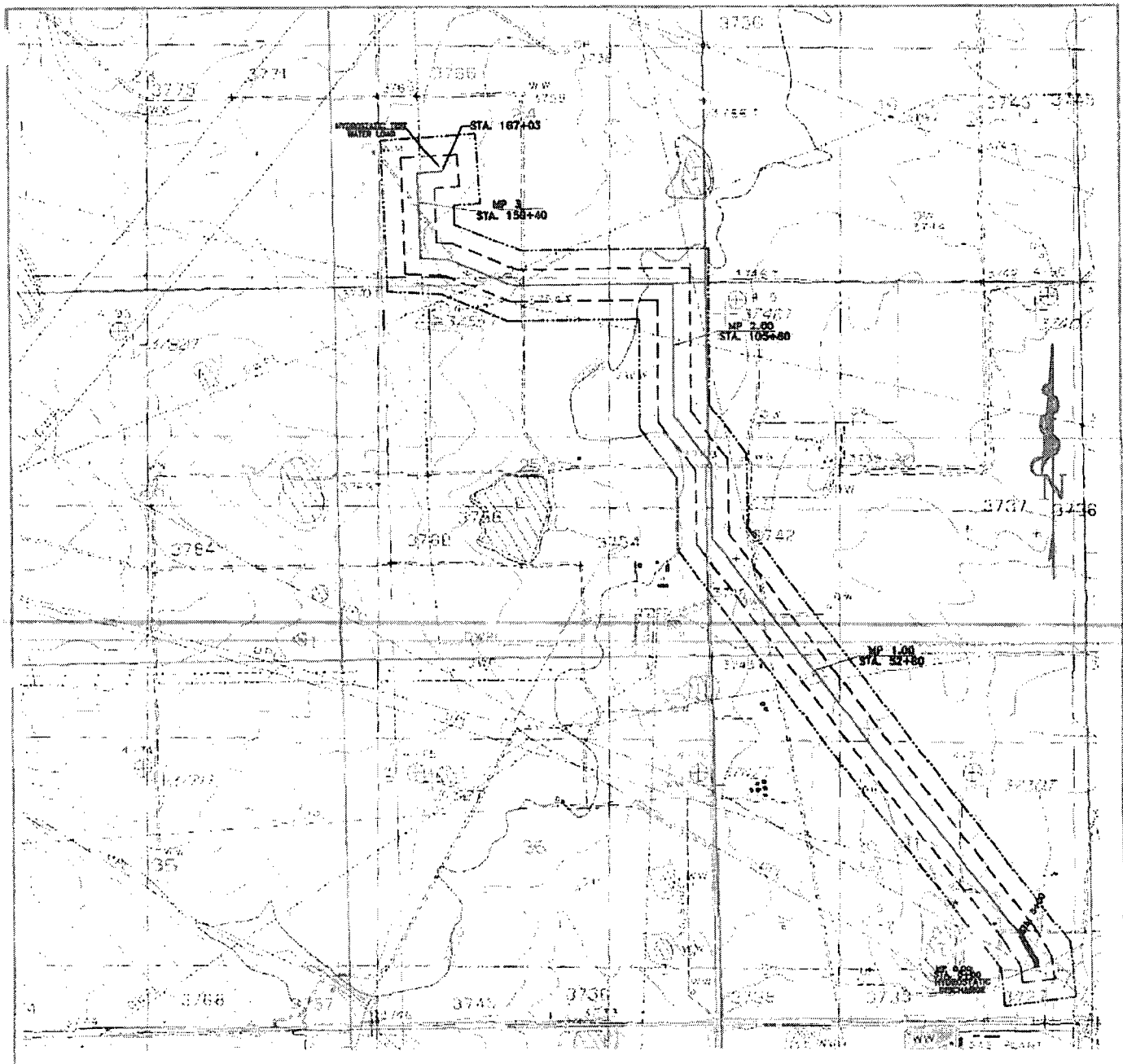
La NMOCD aceptará comentarios y declaraciones de interés con relación a esta aplicación y creará una lista de correo específica a la instalación para personas que deseen recibir notificaciones futuras. Las personas que estén interesadas en recibir información adicional, enviar comentarios o solicitar que se les incluya en la lista de correo específica a la instalación, pueden contactar a:

Brad Jones/NMOCD
1220 S. Saint Francis Drive
Santa Fe, New Mexico 87505
Teléfono: (505) 476-3487
Correo electrónico: brad.a.jones@state.nm.us

Este proyecto está siendo notificado de acuerdo con la Sección F del 20.6.2.3108 NMAC.



– PROPOSED PIPELINE
– 600' SURVEY CORRIDOR
– 200' SURVEY CORRIDOR
– DISCHARGE AREA

HOBBS PLANT PIPELINE PROJECT

Sections 24&25, Township 18 South, Range 36 East,
& Sections 30&31, Township 18 South, Range 37 East,
N.M.P.M., Lea County, New Mexico.

Basin Surveys
focused on excellence in the oilfield

P.O. Box 1786
1120 N. West County Rd.
Hobbs, New Mexico 88241
(505) 393-7316 – Office
(505) 392-3074 – Fax
basinsurveys.com

W.O. Number: 18299
Survey Date: 07/20/07
Scale: 1" = 2000'
Date: 07/23/07

MARKWEST
NEW MEXICO
LP

Jones, Brad A., EMNRD

From: Maloney- Carlin [ranchocarlin@hotmail.com]
Sent: Monday, January 07, 2008 12:01 PM
To: Jones, Brad A., EMNRD
Subject: discharge water

Dear sir: I have received a notice of intent for MarkWest to discharge. If this water meets WQCC standards does it have to be discharged along the pipeline right-of-way or can it be piped off to a lake bed? Is the WQCC standard mean that this water will be safe for animal consumtion? I can be contacted by Phone 505-430-0340. Thank you for your time Tim Carlin

ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

I hereby acknowledge receipt of check No. _____ dated 1/17/08

or cash received on _____ in the amount of $ 600.00

from MarkWest

for HIP-108

Submitted by: Lawrence Romero Date: 2/6/08

Submitted to ASD by: Lawrence Romero Date: 2/6/08

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 _____

MARKWEST

January 21, 2008

Mr. Brad Jones
Water Quality Management Fund
C/0: Oil Conservative Division
1220 S. Saint Francis Drive
Santa Fe, New Mexico 87505

Re: Hydrostatic Test Discharge Permit HI-108 Public Notice

Dear Mr. Jones,

Attached are materials relating to the Hydrostatic Discharge Permit HI-108 for your review. In addition, I have enclosed a check for $600.00 for the discharge permit.

Please advise if you need additional information.

Sincerely,

Bruce Gillick
Director of EH&S
MarkWest
1515 Arapahoe Street
Tower 2, Suite 700
Denver, Colorado 80202
(303) 925-9228

HIP 108

CH2MHILL TRANSMITTAL

To: MarkWest Hydrocarbon, Inc.
1515 Arapahoe Street
Tower 2, Suite 700
Denver, Co 80202

From: Jeff Keiser

Attn: Bruce Gillick

Date: January 15, 2008

Re: MarkWest New Mexico L.P. Pipeline Project Hydrostatic Test Discharge Permit HI-108 Public Notice

We Are Sending You:	Method of shipment:	
Attached	Under separate cover via	
Shop Drawings	Documents	Tracings
Prints	Specifications	Catalogs
Copy of letter	Other:	

Quantity	Description
1 ea.	Certified mail receipts for notice sent to the 3 affected landowners.
1 ea	Copy of receipt from Hobbs Daily News Sun publication of notice in Spanish and English.

If the material received is not as listed, please notify us at once.

Remarks:

Copy To:

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.

Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. ☐ Show to whom delivered, date, and addressee's address. *(Extra charge)*
2. ☐ Restricted Delivery *(Extra charge)*

3. Article Addressed to:

OCM Mid stream
PO Box 1642
Houston TX 77251

7001 1940 0004 5895 8087

Type of Service:

- ☐ Registered
- ☐ Insured
- ☒ Certified
- ☐ COD
- ☐ Express Mail
- ☒ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Addressee

X Rachel Leiz

6. Signature — Agent

X

7. Date of Delivery

12 27 2007

8. Addressee's Address *(ONLY if requested and fee paid)*

PS Form **3811**, Apr. 1989 ★U.S.G.P.O. 1989-238-815 **DOMESTIC RETURN RECEIPT**

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.

Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. ☐ Show to whom delivered, date, and addressee's address. *(Extra charge)*
2. ☐ Restricted Delivery *(Extra charge)*

3. Article Addressed to:

7001 1940 0004 5895 8070

State of New Mexico
State Land Office
310 Old Santa Fe
Santa Fe NM 87501

SANTA FE NM 87501
DEC 26 2007
USPS

Type of Service:
- ☐ Registered
- ☐ Insured
- ☒ Certified
- ☐ COD
- ☐ Express Mail
- ☒ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Addressee
X

6. Signature — Agent
X

7. Date of Delivery
12-26-07

8. Addressee's Address *(ONLY if requested and fee paid)*

PS Form **3811**, Apr. 1989 ★U.S.G.P.O. 1989-238-815 **DOMESTIC RETURN RECEIPT**

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.

Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. ☐ Show to whom delivered, date, and addressee's address. *(Extra charge)*
2. ☐ Restricted Delivery *(Extra charge)*

3. Article Addressed to:

7001 1940 0004 5895 8063

Bruce Alene Carlin Est
Po Box 188
Monument NM 88265

Type of Service:

- ☐ Registered
- ☐ Insured
- ☒ Certified
- ☐ COD
- ☐ Express Mail
- ☒ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Addressee

X

6. Signature — Agent

X

7. Date of Delivery

12/28/07

8. Addressee's Address *(ONLY if requested and fee paid)*

PS Form **3811**, Apr. 1989 ★U.S.G.P.O. 1989-238-815 **DOMESTIC RETURN RECEIPT**

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.
1. ☐ Show to whom delivered, date, and addressee's address. *(Extra charge)* 2. ☐ Restricted Delivery *(Extra charge)*

3. Article Addressed to: 7001 1940 0004 5895 8070

State of New Mexico
State Land Office
310 Old Santa Fe Trail
Santa Fe NM 87501

Type of Service:
☐ Registered ☐ Insured
☑ Certified ☐ COD
☐ Express Mail ☒ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Addressee
X

8. Addressee's Address *(ONLY if requested and fee paid)*

6. Signature — Agent
X

7. Date of Delivery
12-26-07

PS Form 3811, Apr. 1989 *U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.
1. ☐ Show to whom delivered, date, and addressee's address. *(Extra charge)* 2. ☐ Restricted Delivery *(Extra charge)*

3. Article Addressed to: 7001 1940 0004 5895 8063

Bruce Alene Carlin-Nest
PO Box 188
Monument NM 88265

Type of Service:
☐ Registered ☒ Insured
☒ Certified ☐ COD
☐ Express Mail ☒ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Addressee
X

8. Addressee's Address *(ONLY if requested and fee paid)*

6. Signature — Agent
X

7. Date of Delivery
12/28/07

PS Form 3811, Apr. 1989 *U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.
1. ☐ Show to whom delivered, date, and addressee's address. *(Extra charge)* 2. ☐ Restricted Delivery *(Extra charge)*

3. Article Addressed to: 7001 1940 0004 5895 8087

OCM Mid stream
PO Box 1642
Houston TX 77251

Type of Service:
☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☒ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Addressee
X Redel Lane

8. Addressee's Address *(ONLY if requested and fee paid)*

6. Signature — Agent
X

7. Date of Delivery
27 DEC

PS Form 3811, Apr. 1989 *U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

Advertising Receipt

Hobbs Daily News-Sun
201 N Thorp
P O Box 850
Hobbs, NM 88241-0850
Phone: (505) 393-2123
Fax: (505) 397-0610

JEFF KEISER
135 SOUTH 84TH STREET
MILWAUKEE, WI 53214

Customer #:	49101788-000
Ad #:	49679784
Job #:	24884
Phone:	(414)847-0382
Date:	12/13/07
Description:	PUBLIC NOTICE

Run Date	Insertion Number	Sales Person	Description	Ad Type	Size	Rate Code	Total Cost
12/15/07	49679785	01	07 07 Daily News-Sun	RP	3.00 x 4.00	RE	129.00

Total:	129.00
Tax:	8.63
Prepayment:	0.00
Total Due	137.63

SUN PUBLISHING CORP
201 THORP
HOBBS, NM 88240

BATCH: 878
$-A-L-E-$ D-R-A-F-T
75990976
347402866554

REF: 0003
CD TYPE: VISA
TR TYPE: MAIL/PHONE
INV: PCIWC00005001
DATE: DEC 13, 07 10:53:18

AVS: NO MATCH
CVV2: MATCH

TOTAL $275.26*

ACCT: 8778 EXP: **/**
AP: 007398
CUST. 49101788
TAX $0.00

CARDMEMBER ACKNOWLEDGES RECEIPT OF GOODS AND/OR SERVICES IN THE AMOUNT OF THE TOTAL SHOWN HEREON AND AGREES TO PERFORM THE OBLIGATIONS SET FORTH BY THE CARDMEMBER'S AGREEMENT WITH THE ISSUER

THANKS FOR USING VISA

CUSTOMER COPY

Advertising Receipt

Hobbs Daily News-Sun
201 N Thorp
P O Box 850
Hobbs, NM 88241-0850
Phone: (505) 393-2123
Fax: (505) 397-0610

JEFF KEISER
135 SOUTH 84TH STREET
MILWAUKEE, WI 53214

Customer #:	49101788-000
Ad #:	49679786
Job #:	24885
Phone:	(414)847-0382
Date:	12/13/07
Description:	PUBLIC NOTICE

Run Date	Insertion Number	Sales Person	Description	Ad Type	Size	Rate Code	Total Cost
12/15/07	49679787	01	07 07 Daily News-Sun	RP	3.00 x 4.00	RE	129.00

Total:	129.00
Tax:	8.63
Prepayment:	0.00
Total Due	137.63

I Ralph Sanchez (name) have posted notice in both English and Spanish of the MarkWest, L.P. Hobbs Plant Hydrostatic Test discharge at the Hobb's New Mexico Post Office located at 2200 N. Alto Dr, Hobbs NM on 1-4-08 (date). Signs were also posted along Hwy US-62/US-180 at the location of the discharge on 1-7-08 (date).

Photos documenting the posting of the notice and signs are attached.

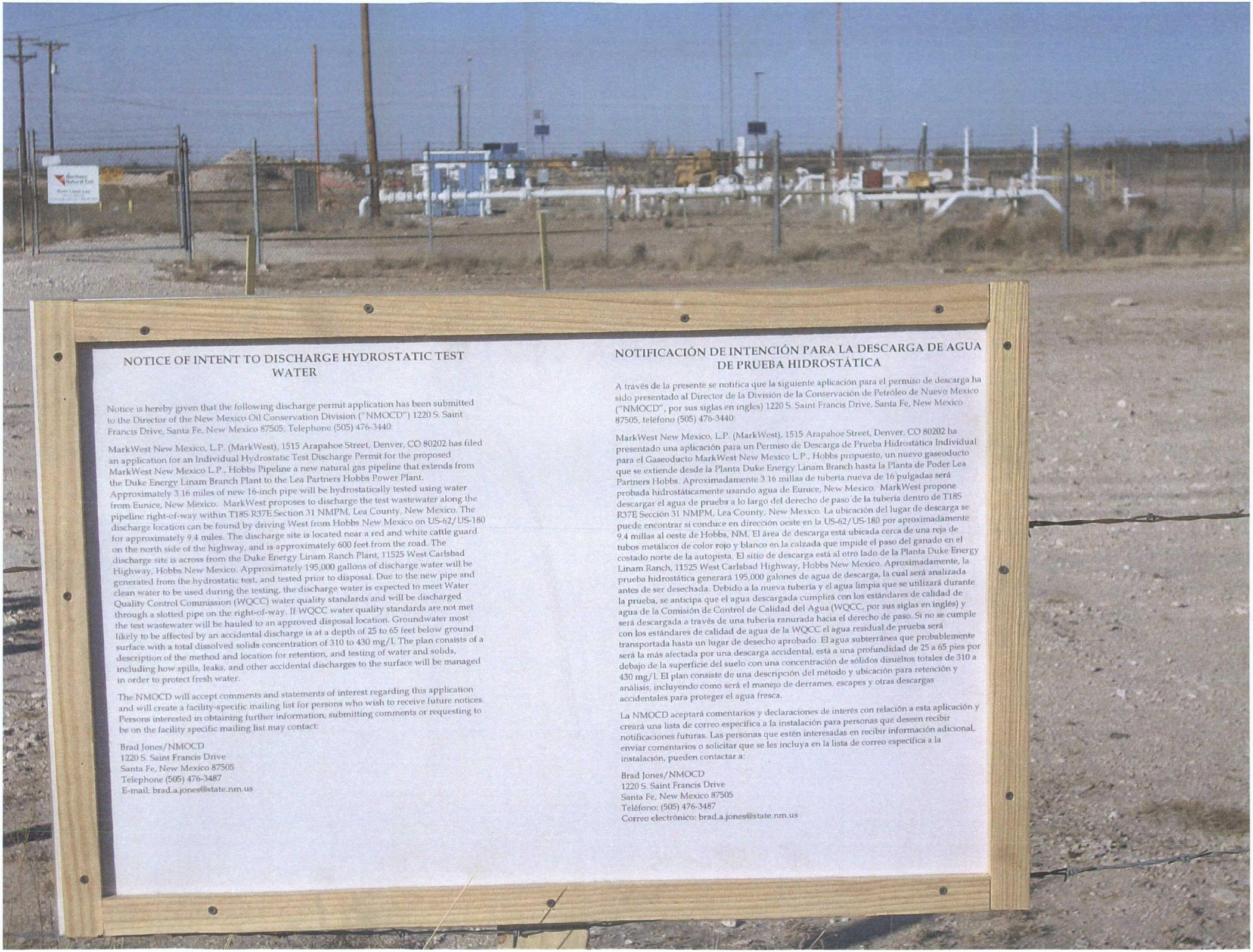
Ralph Sanchez 1-23-08

Signature Date

Signed before me This 23rd Day of January, 2008.

W.B. Rea

OFFICIAL SEAL
W.B. REA
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires: 05-10-2011



NOTICE OF INTENT TO DISCHARGE HYDROSTATIC TEST WATER

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

MarkWest New Mexico, L.P. (MarkWest), 1515 Arapahoe Street, Denver, CO 80202 has filed an application for an Individual Hydrostatic Test Discharge Permit for the proposed MarkWest New Mexico L.P., Hobbs Pipeline a new natural gas pipeline that extends from the Duke Energy Linam Branch Plant to the Lea Partners Hobbs Power Plant. Approximately 3.16 miles of new 16-inch pipe will be hydrostatically tested using water from Eunice, New Mexico. MarkWest proposes to discharge the test wastewater along the pipeline right-of-way within T18S R37E Section 31 NMPM, Lea County, New Mexico. The discharge location can be found by driving West from Hobbs New Mexico on US-62/US-180 for approximately 9.4 miles. The discharge site is located near a red and white cattle guard on the north side of the highway, and is approximately 600 feet from the road. The discharge site is across from the Duke Energy Linam Ranch Plant, 11525 West Carlsbad Highway, Hobbs New Mexico. Approximately 195,000 gallons of discharge water will be generated from the hydrostatic test, and tested prior to disposal. Due to the new pipe and clean water to be used during the testing, the discharge water is expected to meet Water Quality Control Commission (WQCC) water quality standards and will be discharged through a slotted pipe on the right-of-way. If WQCC water quality standards are not met the test wastewater will be hauled to an approved disposal location. Groundwater most likely to be affected by an accidental discharge is at a depth of 25 to 65 feet below ground surface with a total dissolved solids concentration of 310 to 430 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 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 the facility specific mailing list may contact:

Brad Jones/NMOCD
1220 S. Saint Francis Drive
Santa Fe, New Mexico 87505
Telephone (505) 476-3487
E-mail: brad.a.jones@state.nm.us

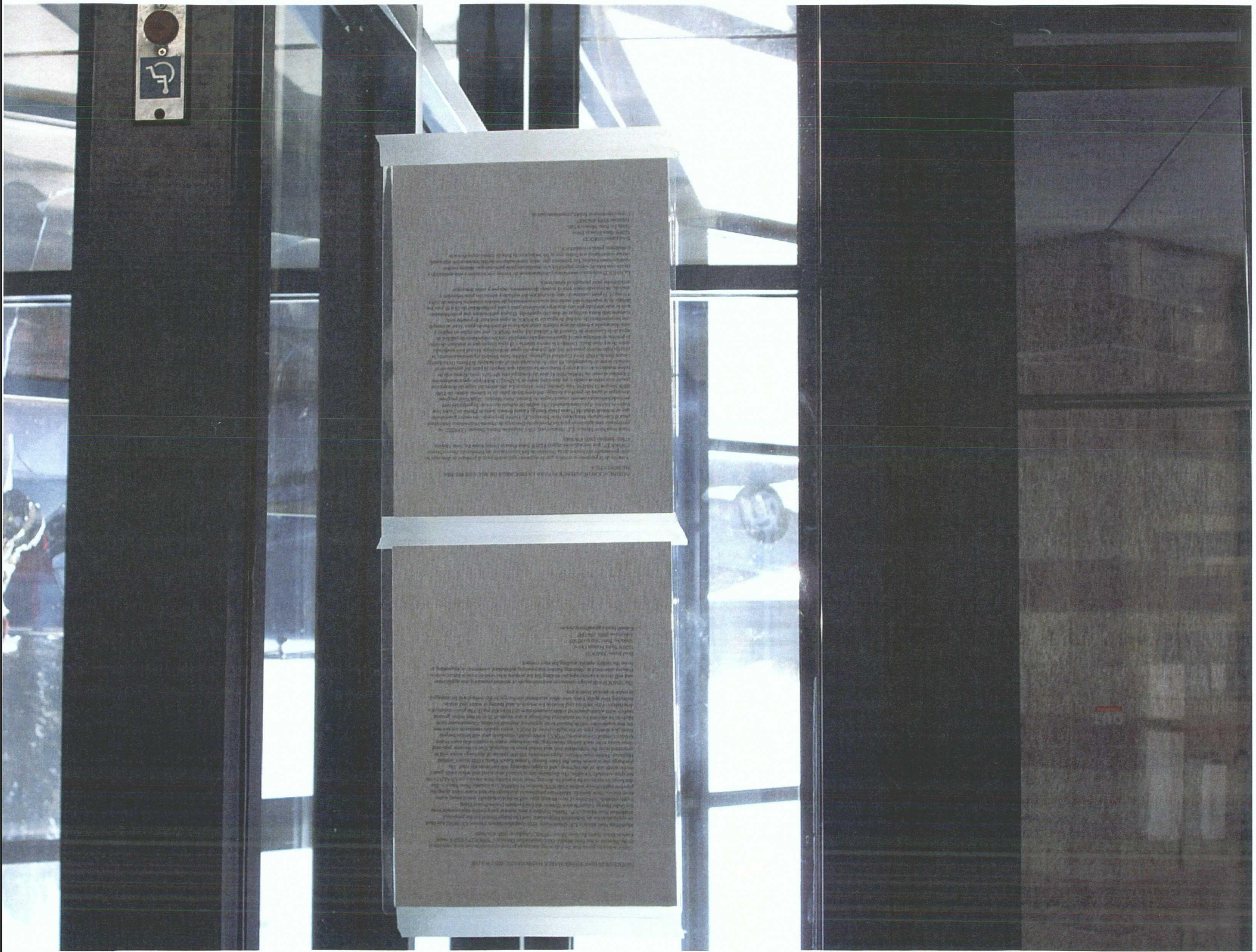
NOTIFICACIÓN DE INTENCIÓN PARA LA DESCARGA DE AGUA DE PRUEBA HIDROSTÁTICA

A través de la presente se notifica que la siguiente aplicación para el permiso de descarga ha sido presentado al Director de la División de la Conservación de Petróleo de Nuevo Mexico ("NMOCD", por sus siglas en ingles) 1220 S. Saint Francis Drive, Santa Fe, New Mexico 87505, teléfono (505) 476-3440:

MarkWest New Mexico, L.P. (MarkWest), 1515 Arapahoe Street, Denver, CO 80202 ha presentado una aplicación para un Permiso de Descarga de Prueba Hidrostática Individual para el Gaseoducto MarkWest New Mexico L.P., Hobbs propuesto, un nuevo gaseoducto que se extiende desde la Planta Duke Energy Linam Branch hasta la Planta de Poder Lea Partners Hobbs. Aproximadamente 3.16 millas de tubería nueva de 16 pulgadas será probada hidrostáticamente usando agua de Eunice, New Mexico. MarkWest propone descargar el agua de prueba a lo largo del derecho de paso de la tubería dentro de T18S R37E Sección 31 NMPM, Lea County, New Mexico. La ubicación del lugar de descarga se puede encontrar si conduce en dirección oeste en la US-62/US-180 por aproximadamente 9.4 millas al oeste de Hobbs, NM. El área de descarga está ubicada cerca de una reja de tubos metálicos de color rojo y blanco en la calzada que impide el paso del ganado en el costado norte de la autopista. El sitio de descarga está al otro lado de la Planta Duke Energy Linam Ranch, 11525 West Carlsbad Highway, Hobbs New Mexico. Aproximadamente, la prueba hidrostática generará 195,000 galones de agua de descarga, la cual será analizada antes de ser desechada. Debido a la nueva tubería y el agua limpia que se utilizará durante la prueba, se anticipa que el agua descargada cumplirá con los estándares de calidad de agua de la Comisión de Control de Calidad del Agua (WQCC, por sus siglas en inglés) y será descargada a través de una tubería ranurada hacia el derecho de paso. Si no se cumple con los estándares de calidad de agua de la WQCC el agua residual de prueba será transportada hasta un lugar de desecho aprobado. El agua subterránea que probablemente será la más afectada por una descarga accidental, está a una profundidad de 25 a 65 pies por debajo de la superficie del suelo con una concentración de sólidos disueltos totales de 310 a 430 mg/l. El plan consiste de una descripción del método y ubicación para retención y análisis, incluyendo como será el manejo de derrames, escapes y otras descargas accidentales para proteger el agua fresca.

La NMOCD aceptará comentarios y declaraciones de interés con relación a esta aplicación y creará una lista de correo específica a la instalación para personas que deseen recibir notificaciones futuras. Las personas que estén interesadas en recibir información adicional, enviar comentarios o solicitar que se les incluya en la lista de correo específica a la instalación, pueden contactar a:

Brad Jones/NMOCD
1220 S. Saint Francis Drive
Santa Fe, New Mexico 87505
Teléfono: (505) 476-3487
Correo electrónico: brad.a.jones@state.nm.us



Jones, Brad A., EMNRD

From: Maloney- Carlin [ranchocarlin@hotmail.com]
Sent: Monday, January 07, 2008 12:00 PM
To: Jones, Brad A., EMNRD
Subject: discharge hydrostatic test water

Dear sir: I have received a notice of intent for MarkWest to discharge. If this water meets WQCC standards does it have to be discharged along the pipeline right-of-way or can it be piped off to a lake bed? Is the WQCC standard mean that this water will be safe for animal consumtion? I can be contacted by Phone 505-430-0340. Thank you for your time Tim Carlin

RECEIVE
2008 JAN 7 PM 1

THE SANTA FE
NEW MEXICAN
Founded 1849

NM EMNRD OIL CONSERV
1220 S ST FRANCIS DR
SANTA FE NM 87505

ALTERNATE ACCOUNT: 56689
AD NUMBER: 00240850 ACCOUNT: 00002212
LEGAL NO: 82038 P.O. #: 52100-00000075
239 LINES 1 TIME(S) 207.76
AFFIDAVIT: 6.00
TAX: 16.83
TOTAL: 230.59

AFFIDAVIT OF PUBLICATION

STATE OF NEW MEXICO
COUNTY OF SANTA FE

I, T. Valencia, 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 # 82038 a copy of which is hereto attached was published in said newspaper 1 day(s) between 12/14/2007 and 12/14/2007 and that the notice was published in the newspaper proper and not in any supplement; the first date of publication being on the 14th day of December, 2007 and that the undersigned has personal knowledge of the matter and things set forth in this affidavit.

/S/ T. Valencia
LEGAL ADVERTISEMENT REPRESENTATIVE

Subscribed and sworn to before me on this 14th day of December, 2007

Notary Pamela Anne Beach

Commission Expires: May 31, 2011

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:

(HI-108) MarkWest New Mexico, L.P. (MarkWest), 1515 Arapahoe Street, Denver, CO 80202 has filed an application for an Individual Hydrostatic Test Discharge Permit for the proposed MarkWest New Mexico L.P., Hobbs Pipeline a new natural gas pipeline that extends from the Duke Energy Linam Branch Plant to the Lea Partners Hobbs Power Plant. Approximately 3.16 miles of new 16-inch pipe will be hydrostatically tested using water from Eunice, New Mexico. MarkWest proposes to discharge the test wastewater along the pipeline right-of-way within Section 31, Township 18 South, Range 37 East, NMPM, Lea County, New Mexico. The discharge location can be found by driving west on US-62/US-180 from Hobbs, New Mexico for approximately 9.4 miles. The discharge site is located near a red and white cattle guard on the north side of the highway, and is approximately 600 feet from the road. The discharge site is across from the Duke Energy, Linam Ranch Plant, 11525 West Carlsbad Highway, Hobbs New Mexico. Approximately 195,000 gallons of discharge water will be generated from the hydrostatic test, and tested prior to disposal. Due to the new pipe and clean water to be used during the testing, the discharge water is expected to meet Water Quality Control Commission (WQCC) water quality standards and will be discharged through a slotted pipe on the right-of-way. If WQCC water quality standards are not met the test wastewater will be hauled to an approved disposal location. Groundwater most likely to be affected by an accidental discharge is at a depth of 25 to 65 feet below ground surface with a total dissolved solids concentration of 310 to 430 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 mas información sobre esta solicitud en espan ol, sirvase comunicarse por favor: New Mexico Energy, Minerals and Natural Resources Department (Depto. Del Energia, Minerals y Recursos Naturales de Nuevo México), Oil Conservation Division (Depto. 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 10th day of December, 2007.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION
S E A L
Mark Fesmire,
Director
Legal#82038
Pub. Dec. 14, 2007

Advertising Receipt

Hobbs Daily News-Sun
201 N Thorp
P O Box 850
Hobbs, NM 88241-0850
Phone: (505) 393-2123
Fax: (505) 397-0610

2007 DEC 20 PM 12 50

BRAD JONES
NM OIL CONSERVATION DIVISION, EMNRD
1220 S. SAINT FRANCIS DR.
SANTA FE, NM 87505

Cust#: 01101546-000
Ad#: 02597526
Phone: (505)476-3487
Date: 12/10/07

Ad taker: C2 **Salesperson:** 08 **Classification:** 673

Description	Start	Stop	Ins.	Cost/Day	Surcharges	Total
07 07 Daily News-Sun	12/13/07	12/13/07	1	126.00		126.00
Bold						1.00
Affidavit for legals						3.00

Payment Reference:

Total:	130.00
Tax:	0.00
Net:	130.00
Prepaid:	0.00
Total Due	130.00

LEGAL NOTICE
December 13, 2007

NOTICE OF PUBLICATION

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

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

(HI-108) MarkWest New Mexico, L.P. (MarkWest), 1515 Arapahoe Street, Denver, CO 80202 has filed an application for an Individual Hydrostatic Test Discharge Permit for the proposed

P.O. # 52100-0000007519

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 once a week in the regular and entire issue of said paper, and not a supplement thereof for a period.

of 1

_____ weeks.

Beginning with the issue dated

December 13 2007

and ending with the issue dated

December 13 2007

Kathi Bearden

PUBLISHER

Sworn and subscribed to before

me this 13th day of

December 2007

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 advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made.

LEGAL NOTICE
December 13, 2007

NOTICE OF PUBLICATION

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

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations (20.6.2.3106 NMAC), the following discharge permit 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:

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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 español, sírvase comunicarse por favor: New Mexico Energy, Minerals and Natural Resources Department (Depto. Del. En-

OIL CONSERVATION DIVISION

SEAL

Mark Fesmire, Director

#23698

01101546000 02597526

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

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

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

December 10, 2007

Mr. Bruce Gillick
MarkWest New Mexico L.P.
1515 Arapahoe Street
Tower 2, Suite 700
Denver, Colorado 80202-2126

Re: Hydrostatic Test Discharge Permit HI-108
MarkWest New Mexico L.P. Pipeline Project
SE ¼, SE ¼ of Section 31, Township 18 South, Range 37 East, NMPM,
Lea County, New Mexico

Dear Mr. Gillick:

The New Mexico Oil Conservation Division (OCD) has received the MarkWest New Mexico L.P.'s (MarkWest) revised notice of intent (NOI) submitted on MarkWest's behalf by CH2M HILL, dated November 12, 2007, for authorization to discharge approximately 195,000 gallons of wastewater from a hydrostatic test of approximately 3.25 miles of a new 16-inch natural gas pipeline that extends between the Hobbs Power Plant and the existing Northern Natural Gas Company pipeline, approximately 9.5 miles west of Hobbs, New Mexico. The proposed discharge site is along the pipeline right-of-way located within Section 31, Township 18 South, Range 37 East, NMPM, Lea County, New Mexico. The revised 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 location of the discharge along US-62 and at the Hobbs Post Office, at 2200 N. Alto Drive in Hobbs, New Mexico as proposed notice 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, NM
Jeff Keiser, Project Manager, CH2M HILL, Milwaukee, WI 53214

CH2M HILL
135 South 84th Street
Suite 325
Milwaukee, WI 53214-1476
Tel 414-272-2426
Fax 414-272-4408

CH2MHILL

November 12, 2007

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

Subject: Revised Notice of Intent for Hydrostatic Test Dewatering

The attached Notice of Intent for Discharge of Hydrostatic Test Water (NOI) has been revised to address your comments dated September 5, 2007. The attached NOI was prepared on behalf of MarkWest New Mexico, L.P. for hydrostatic testing of the proposed 3.16 mile MarkWest New Mexico, L.P. Pipeline Project. The NOI was prepared utilizing the "Guidelines for Hydrostatic Test Dewatering" Revised January 11, 2007.

A draft public notice is also attached. This notice will be published as required in Subsections A and B of 20.6.2.3108 NMAC. The notice will be published in the Hobbs News Sun upon approval by the NMOCD.

Should you have any questions regarding this NOI, please contact me at the number listed below.

Sincerely,

CH2M HILL

Jeff Keiser
Project Manager
CH2M HILL
135 South 84th Street
Suite 300
Milwaukee, WI 53214
Phone: 414 847-0382

MKE/Hydro Transmittal.doc
Enclosures

c: Bruce Gillick/MarkWest
David Williams/MarkWest
Mathew Rick/John and Hengerer
Elizabeth Zembruski/John and Hengerer

Draft NOTICE
STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL COSERVATION 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 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:

MarkWest New Mexico, L.P. (MarkWest), 1515 Arapahoe Street, Denver, CO 80202 has submitted an application for an Individual Hydrostatic Test Discharge Permit for the proposed MarkWest Hobbs Pipeline, a new natural gas pipeline that extends from the Duke Energy Linam Branch Plant to the Lea Partners Hobbs Power Plant. Approximately 3.16 miles of new 16-inch pipe will be hydrostatically tested using water from Eunice, New Mexico. MarkWest proposes to discharge the test wastewater along the pipeline right-of-way within T18S R37E Sections 31 & 30 and T18S R36E Sections 24 & 25 NMPM, Lea County, New Mexico. The discharge location can be found by driving West on US-62/US-180 for approximately 9.4 miles. The discharge site is located near a red and white cattle guard on the north side of the highway, and is approximately 600 feet from the road. The discharge site is across from the Duke Energy Linam Ranch Plant, 11525 West Carlsbad Highway, Hobbs New Mexico. Approximately 195,000 gallons of discharge water will be generated from the hydrostatic test, and tested prior to disposal. Due to the new pipe and clean water to be used during the testing, the discharge water is expected to meet Water Quality Control Commission (WQCC) water quality standards and will be discharged through a slotted pipe on the right-of-way. If WQCC water quality standards are not met the test wastewater will be hauled to and approved disposal location. Groundwater most likely to be affected by an accidental discharge is at a depth of 25 to 65 feet below ground surface with a total dissolved solids concentration of 310 to 430 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. This project is being noticed in accordance with Section F of 20.6.2.3108 NMAC.

Hydrostatic Test Discharge Notice of Intent

MarkWest New Mexico, L.P. Pipeline Project

Hobbs, New Mexico

Prepared for:

MarkWest New Mexico, L.P.
1515 Arapahoe Street
Tower 2, Suite 700
Denver, CO 80202-2126

Prepared by:

CH2MHILL
135 S 84th Street
Suite 325
Milwaukee, WI 53214

November 2007

1.0 Introduction

This document shall serve as the Notice of Intent (NOI) to discharge water used in the hydrostatic testing of the MarkWest New Mexico L.P. (MarkWest) Pipeline Project (Project). The Project will involve the installation of approximately 3.16 miles of 16-inch steel pipeline connecting the Hobbs Power Plant and the existing Northern Natural Gas Company pipeline. The pipeline will be used for the transmission of clean natural gas. The discharge is not covered by the RCRA hazardous waste exemptions for oil and gas production.

The hydrostatic test of the newly installed pipeline shall use less than 195,000 gallons of municipal water acquired from Eunice, New Mexico. Upon completion of the test, the water will remain in the pipeline until test results have demonstrated WQCC standards. After the water has been verified for to meet WQCC standards it will be extracted from the pipeline and discharged within the ROW on the southern terminus of the pipeline.

Project Site

The Project area is located in southeastern New Mexico in T18S R37E Sections 31 & 30 and T18S R36E Sections 25 & 24 (Attachments 1 & 2 Regional Map and Monument North Quadrangle). The proposed pipeline route is approximately 10 miles west of the town of Hobbs and crosses New Mexico State Lands and private property. The route is approximately 3.16 miles long with an average elevation of 3750 feet.

2.0 Discharge Location

Hydrostatic test water will enter the pipeline at station 167+03 and will be stored in the pipe until completion of the testing and water sampling results have been obtained. The discharge water will be extracted at station 0+00 (N 32 41' 57.52"W 103 17' 04.53") at the extreme south end of the pipeline in S31/T18S /R37E. The preferred option is to discharge hydrostatic test water from station 0+00 to 5+00 within the existing MarkWest 30-foot easement. See alignment sheets (attachment 3), quadrangle excerpt maps (attachment 4) for the discharge location and certified survey maps (attachment 5) for the legal description of the right of way easement.

From downtown Hobbs, the discharge site can be reached by driving West on US-62/US-180 for approximately 9.4 miles. The site, located near a red and white cattle guard on the north side of the highway, is approximately 600 feet from the road. The discharge site is across from the Duke Energy Linam Ranch Plant, 11525 West Carlsbad Highway, Hobbs, New Mexico.

2.1 Environmental Characteristics of the Discharge Site

Environmental characteristics were evaluated utilizing USGS Quadrangle maps, aerial alignment sheets, certified survey maps, national wetland inventory maps, FEMA maps and various internet searches of federal and state databases (Attachments 2 - 6). In addition a

field survey was conducted in July 2007. A signed summary statement regarding the field survey is included in Attachment 7.

2.1.1 Watercourse, Lakebed Sinkhole or Playa Lake

USGS quadrangle maps, aerial alignment sheets and national wetland inventory maps (attachments 2-5) have been included with this notice to verify that the discharge is not within 200 feet of a watercourse, lakebed, sinkhole or playa lake. In addition a visual survey of the discharge area was conducted in July 2007. No watercourse, lakebed, sinkhole or playa lake was observed within 200 feet of the discharge location (attachment 7).

2.1.2 Wellhead Protection Areas and 100 Year Flood Plain

A search of the New Mexico Office of the State Engineers WATERS database for well head protection areas (within 200 horizontal feet of a private, domestic fresh water well or spring used by less than 5 households for domestic or stock watering purposes or within 1000 horizontal feet of any other fresh water well or spring) was completed on October 29, 2007. No wellhead protection areas fall within the above criteria. The information collected from the WATERS database is summarized below. Information used to develop the summary is included in attachment 8. Wells covered under the wellhead protection are plotted on the USGS topographic map included in attachment 2.

An investigation of the Federal Emergency Management Agency's Map Service Center on October 24, 2007 at www.msc.fema.gov demonstrated that no 100-year flood plain/FEMA maps are available for the discharge location (attachment 6). Based on the relatively flat topography (attachment 3), and the lack of watercourse in the area, it can be reasonably assumed that the discharge location does not fall within a flood plain.

Well POD #	Use	Wellhead Protection	Discharge Within	
			200 Feet	1000 Feet
T18S, R37E, S31				
03153	Prospecting	N/A	N/A	N/A
03166	Prospecting	N/A	N/A	N/A
05189	Prospecting	N/A	N/A	N/A
11573	Domestic one household	YES	NO	N/A
T18S, R37E, S 32				
02647	Livestock watering	YES	NO	N/A
02968	Prospecting	N/A	N/A	N/A
06090	Domestic one household	YES	NO	N/A
T19S, R37E, S5				
No Records found				
T19S, R37E, S6				
02200	Industrial	YES	N/A	NO
02201	Industrial	YES	N/A	NO
02601	Prospecting	N/A	N/A	N/A
02695	Prospecting	N/A	N/A	N/A

Notes:

N/A = Not applicable, prospecting wells were to be capped upon completion of the exploration.
Results of the WATERS database search may be found in Attachment 8.

2.1.1 Wetlands

USGS quadrangle maps, aerial alignment sheets and national wetland inventory maps (attachments 2 - 5) have been included with this notice to verify that no watercourse, lakebed, sinkhole or playa lake is located within 200 feet or wetland within 500 feet of the proposed discharge. No watercourse, lakebed, sinkhole or playa lake was identified within 200 feet or wetland within 500 feet of the proposed discharge was observed during the July 24, 2007 field survey (attachment 9).

2.1.4 Subsurface Mines

Maureen Wilks, Geologic Librarian for the NM Bureau of Mines and Mineral Resources, conducted a database search for subsurface mines in Lea County, NM

No subsurface mines are located within the location of the discharge in Sections 24 and 25 of Township 18 South, Range 36 East or Sections 30 and 31 of Township 18 South, Range 37 East (Attachment 10).

2.1.5 Residents within 500-feet of Proposed Discharge

USGS quadrangle maps and aerial alignment sheets (attachments 3 and 4) have been included with this notice to verify that no permanent residents, schools, hospitals, institutions, or churches are located within 500 feet of the discharge area. In addition, no permanent residents, schools, hospitals, institutions or churches were observed within 500 feet of the proposed discharge location during the July 24 2007 field survey (Attachment 9).

2.1.5 Geologic Characteristics of Discharge Site

According to available literature resources, the discharge site and associated groundwater wellfield are located above the High Plains (Ogallala) aquifer, which is a subdivision of the Ogallala aquifer system that underlies 174,000 square miles in parts of Colorado, Kansas, Nebraska, New Mexico, Oklahoma, South Dakota, Texas, and Wyoming (Figure 2-1). The portion of the Ogallala aquifer near Hobbs is located on the extreme western edge of the aquifer. Records indicate that the Ogallala aquifer is the principal water-producing formation in Lea County and that groundwater is the only viable source of water in Lea County (Musharrafieh and Chudnoff, 1999).

The Ogallala aquifer is generally composed of unconsolidated and poorly sorted gravel, sand, silt, and clay of Tertiary or Quaternary age (Musharrafieh and Chudnoff, 1999). Calcium carbonate acts to cement the Ogallala sediments forming a caliche cap rock near the top of the formation and this caliche cap extends over most of the Ogallala aquifer (Ash, 1963). Cementation also is found within the formation, but generally decreases with depth until it becomes negligible at depths of 35 to 50 feet below ground surface (bgs) (Ash, 1963). The Dockum Formation or "red beds" underlie the Ogallala aquifer in Lea County and act as a relatively impermeable barrier that restricts the downward movement of groundwater (Havens, 1966). A geologic cross-section was prepared for the area near the HGS based on available well driller's logs (Figures 2-2 and 2-3). This cross-section shows that the Ogallala aquifer increases in saturated thickness to the north and that a caliche cap rock of approximately 15- to 40-feet thick covers the site..

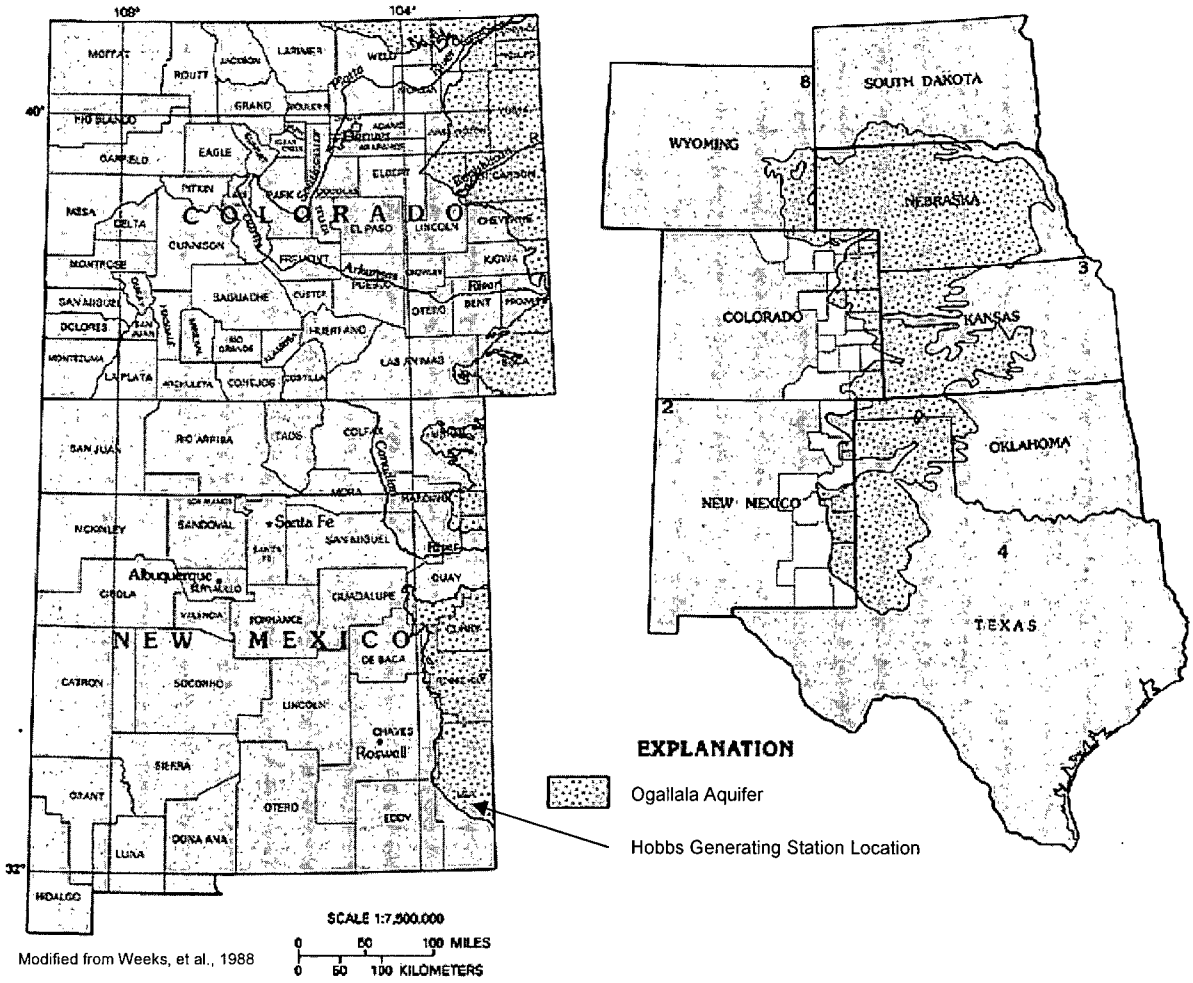
The Ogallala aquifer is unconfined in Lea County and the water table slopes approximately 12 feet per mile to the southeast (McAda, 1984). It is reported that the saturated thickness of the aquifer in Lea County ranges from 0 to slightly more than 200 feet (Hart and McAda, 1985). The depth to the water table ranges from less than 20 feet near Four Lakes in the northern part of Lea County and Monument in the southern part of Lea County, to more than 250 feet along Mescalero Ridge in the western portion of Lea County (Musharrafieh and Chudnoff, 1999). Groundwater recharge is less than 0.5 inches per year with only 3 to 4 percent of precipitation reaching the water table (Theis, 1932; 1934; and 1937).

Groundwater samples were collected from nearby wells in the area (Figure 2-3). Table 2-1 presents a summary of the analytical results from those samples. The table includes nearby dissolved solids in the groundwater, which ranged from 310-430 mg/L. Depth to groundwater is summarized in the results of the WATERS database search. The depth to groundwater most likely to be impacted by the hydrostatic discharge ranges from 35 to 75 feet below ground surface in Section 31, Township 18 South, Range 37 East, the location of the discharge (Attachment 8).

Table 2-1 Groundwater Total Dissolved Solids Concentrations (TDS) EPA Method 160.1

Well	Quantitation Limit Limit	Date	Concentration	Units
Well 2	20	1/3/2007	430	mg/L
Well 4	20	1/5/2007	340	mg/L
Well 5	20	12/13/2006	310	mg/L
Well 6	20	1/4/2007	330	mg/L
Well 7	20	1/9/2007	330	mg/L
	20	1/12/2007	330	mg/L
Well 8	20	12/12/2006	330	mg/L
	20	12/13/2006	330	mg/L

EPA - U.S. Environmental Protection Agency
mg/L - milligram per liter



Location of Hobbs Generating Station within the Ogallala Aquifer

3.0 Discharge Activities

Upon completion of installation of new natural gas pipeline, the line is tested before it is put into service to ensure there are no leaks. The line is tested by filling the pipe with clean water, pressurizing the line and monitoring to make sure there is no drop in pressure. Water used for the hydrostatic test will be obtained from the municipal water source of Eunice, NM. Approximately 195,000 gallons of water will be trucked to the MarkWest pipeline site. The water source is used for drinking, and has been verified to meet potable standards for contamination.

3.1 Hydrostatic Test Wastewater Sampling

Approximately ten days prior to the proposed hydrostatic testing date, a water sample will be collected from the Eunice municipal water source. The water will be sent to a NM-state

certified laboratory to test for the presence of radium. Because of the lengthy testing procedure for radium and because there is no evidence to suggest that the pipeline will contaminate the water during testing, this radium test will obviate the need for radium testing prior to discharge of the hydrostatic water. Upon receipt of the radium lab results, they will be forwarded to the NM OCD.

Hydrostatic testing is expected to occur sometime between December 1 and January 31 upon completion of pipeline installation. Hydrostatic test water will be loaded into the pipeline at station 167+03, sampling and discharge will take place at station 0+00 (Attachment 4).

On the date of the hydrostatic test, after water has been injected into the pipeline and prior to hydrostatic testing, a single sample will be drawn from the southern end of the pipeline Station 0+00 opposite end of the pipeline in which the water entered. A two-inch tap will be inserted to the line with a valve to facilitate testing. A clean bottle obtained from the testing laboratory will be filled from the tap and used to fill the individual sample bottles. Vials used for volatile organic compound sampling will be filled to overflowing and capped so that no airspace is present. This method will avoid spilling preservative that will be included in the sample bottles obtained from Laboratory. The sample bottles will immediately be sealed, cooled to 4^0-celsious, and shipped to a NM state-certified analytical lab. The lab will analyze the sample to ensure compliance with Subsections A, B, and C of the 20.6.2.3103 NMAC. No duplicate samples will be collected as part of the analysis. No field blanks will be collected because sampling will be directly from the sampling tap and no field equipment will be used. Standard laboratory quality control results (laboratory duplicate analysis, spike recovery and laboratory blanks) that correspond with the sample analysis will be obtained to document any potential issues with the analysis and results. The results of these tests, when available, will be forwarded to the NM Oil Conservation Division for final approval of discharge. During the time that water testing is being conducted, the water will be held within the Project pipeline.

At the conclusion of testing, the discharge water is expected to meet WQCC standards without having to be treated.

3.2 Discharge Activities

After the test water has been verified to meet WQCC standards, it will be discharged within the first 500-feet of pipeline ROW. Two best management practice options are proposed to keep the discharge water within the ROW. The first option consists of discharging the hydrostatic water through approximately 400 feet of hose connected to 100 feet of slotted pipe positioned in the center of the right-of-way. The slotted pipe will be used to reduce the energy of the discharge and spread the discharge over a large area. As the water is discharged, the flow out of the slotted pipe will be observed and as soils become saturated within the right of way the discharge will be slowed utilizing the valve or the slotted pipe repositioned to avoid having the discharge migrate outside of the ROW.
The second option includes spraying the discharge within the first 500 feet of right-of-way (station 0+00 to 5+00, Attachment 4). The spray will be moved along the right-of-way to avoid saturating the soils, preventing the discharge from migrating off the right of way.

3.3 Alternative Discharge Plan

If the testing results demonstrate contaminants are present in the water, the water will be transferred from the pipeline to tanker trucks and transported by Key Energy Services Transport, to Sundance Services Waste Facilities in Eunice New Mexico. .

Water will be transferred via hose directly from the pipeline to tanker trucks via a 2" valve and hose located at Station 0+00. Best management practices for transfer of the discharge water to the tanker trucks include:

- Pulling the tanker truck as close to the pipeline as possible to minimize the number linked hoses that could be the source of spills or leaks;
- Laying the hose in a portable stock tank between the pipeline and tanker to contain leaks and spills associated with the transfer.
- An operator will man the hose at all times so the valve may be shut if a leak or spill should occur.
- Leaks and spills collected in the stock tank will be pumped directly to a tanker truck.
- The stock tank will be pumped out between each tanker load (when sufficient volume exists for the pump to work) or when the tank reaches ¾ full.

The Sundance waste facility requires Toxicity Characteristic Leaching Procedure testing and ignitability testing prior to acceptance. This testing will also be performed by a state certified laboratory.

3.4 Adjacent Landowners

The discharge will occur within the MarkWest pipeline ROW easement exclusively, which is located in the SESE quarter-quarter of Section 31. Copies of 5 survey maps of the entire pipeline route are included in attachment 6. A copy of the Lea County Plat map overlain on a USGS quadrangle showing the landowners within 1/3 mile of the discharge is included in Attachment 11. Results of the Lea County Property Surface Owner record search and New Mexico OCTANE tenant database search are included in Attachment 11 and are summarized below. Notification of the discharge will be sent to all landowners within one-third of a mile of the boundary of the ROW easement. Notification letters will be sent to:

- State of New Mexico
  310 Old Santa Fe Trail
  Santa Fe NM 87501

- State of New Mexico Lessee
  Bruce Alene Carlin Est.
  PO Box 188
  Monument, NM 88265

- DCM Midstream
  P.O. Box 1642
  Houston TX 77251

4.0 References

Ash, S.R., 1963, *Ground-Water Conditions in Northern Lea County, New Mexico:* U.S. Geological Survey, Hydrologic Investigations, Atlas HA-62, Scale 1:250,000

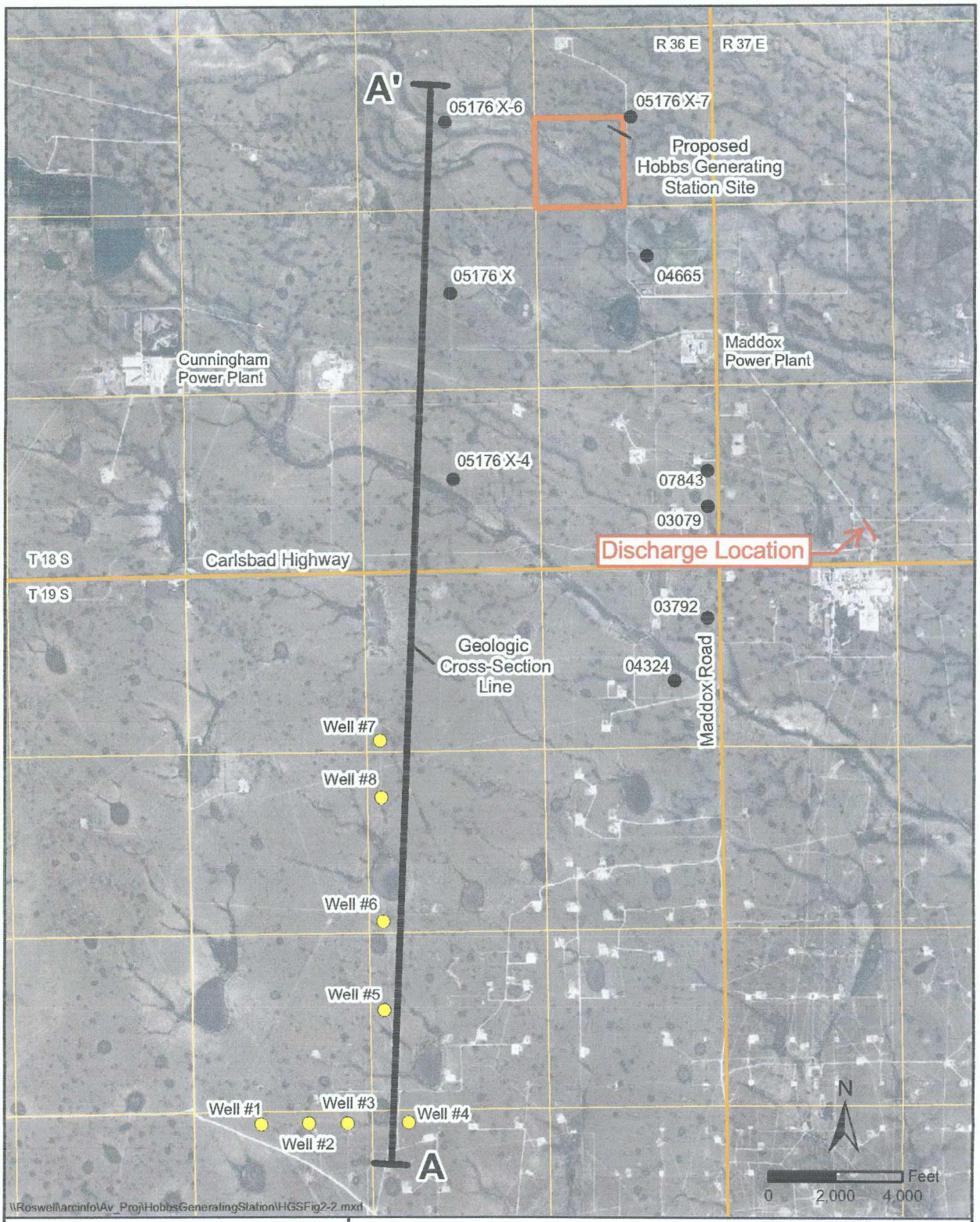
Boggs, S. 1987. Principles of Sedimentology and Stratigraphy. Englewood Cliffs, New Jersey. Prentice Hall International.

CH2M HILL. 2007. Field investigations along the alignment conducted by CH2M HILL on July 16, 2007.

Havens, J.S., 1966, Recharge *Studies on the High Plans in Northern Lea County, New Mexico*: U.S. Geological Survey, Water supply Paper 1819-F

Musharrafieh, G. and M. Chudnoff, 1999, *Numerical Simulation of Groundwater Flow for Water Rights Administration in the Lea County Underground Water Basin, New Mexico:* New Mexico Office of the State Engineer, Hydrology Bureau Report 99-1, January.

Figures



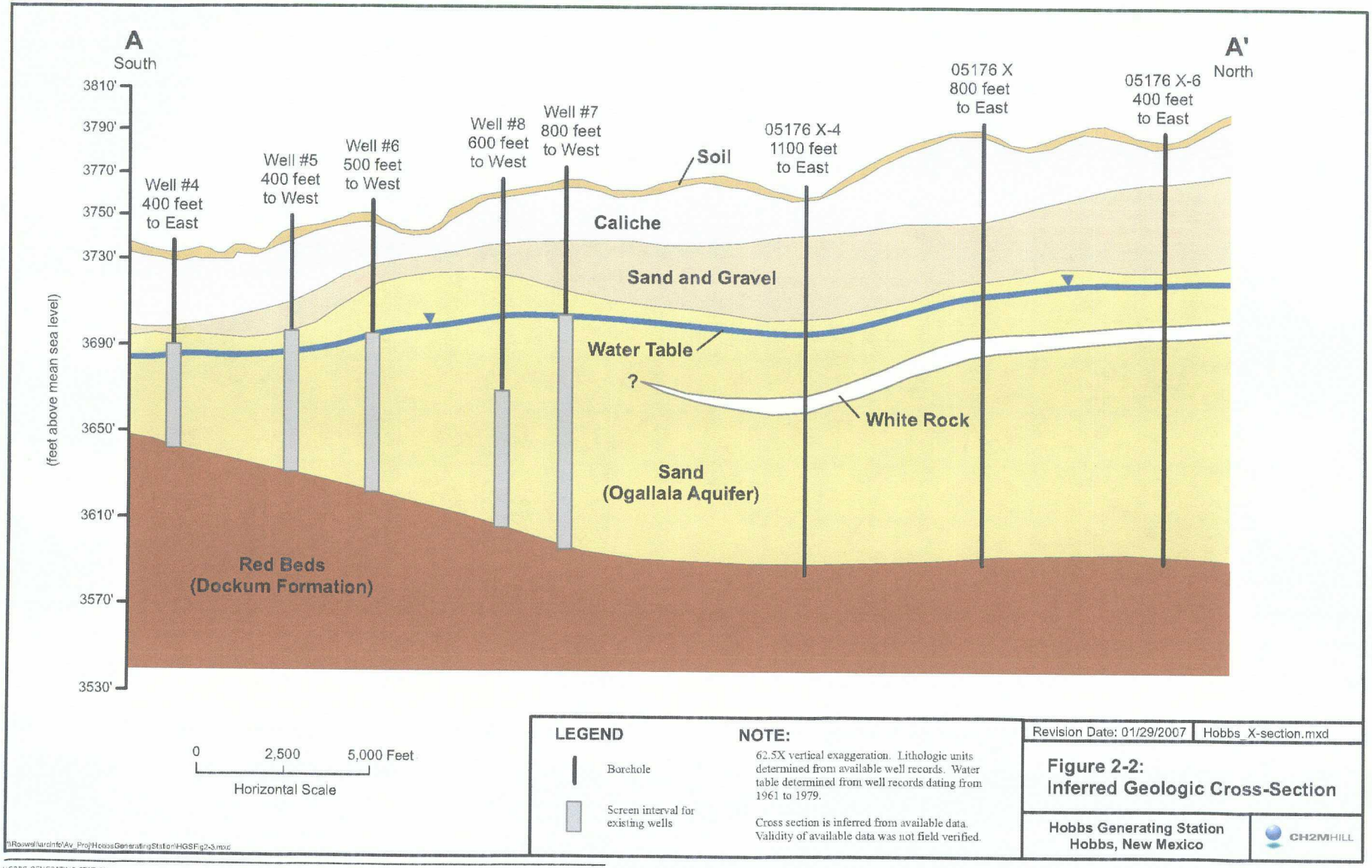
Legend

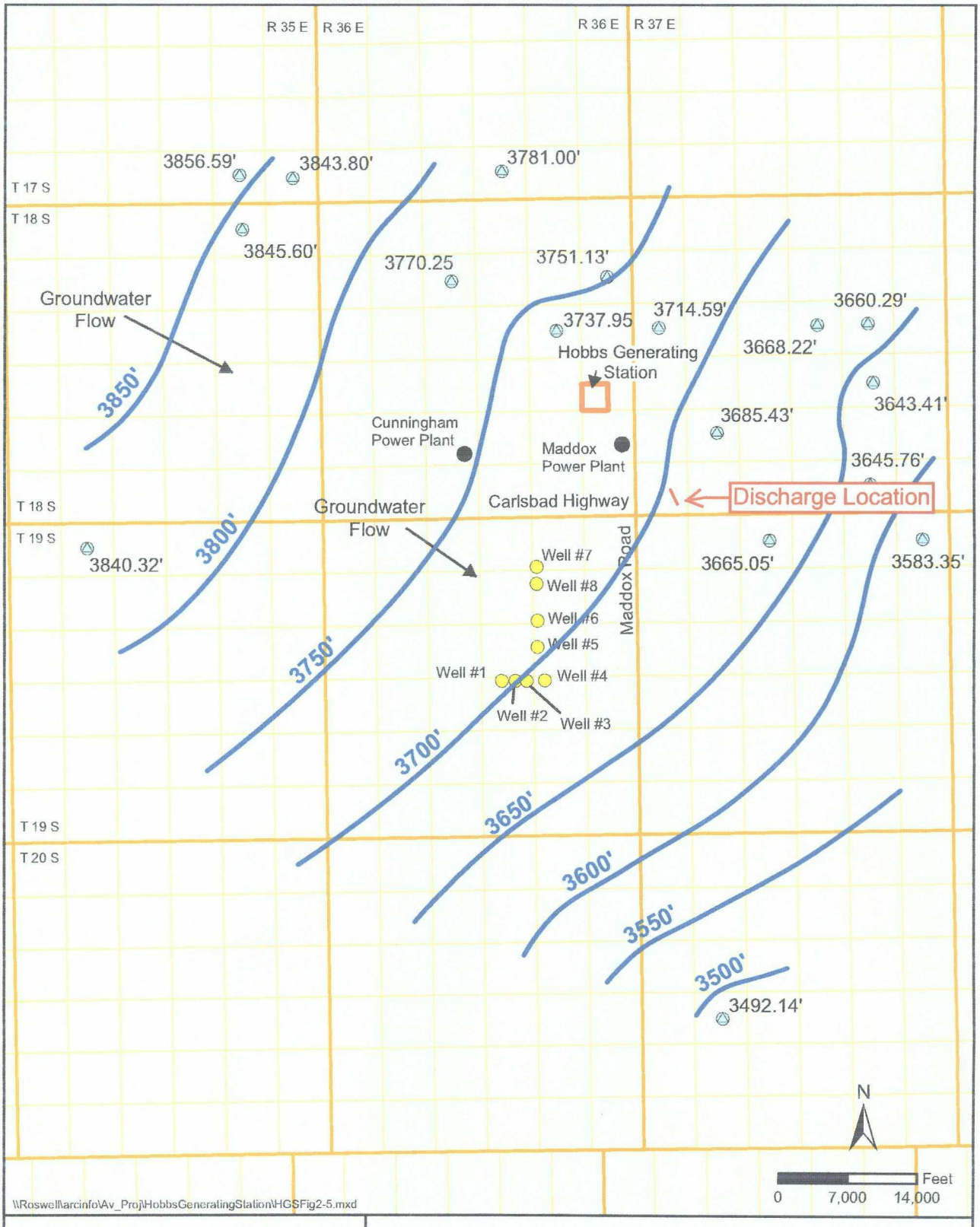
- Existing Production Well
- Area Groundwater Well

Figure 2-1:
Geologic Cross-Section Location Map

Hobbs Generating Station
Hobbs, New Mexico

CH2MHILL


A
South
A'
North
3810'
3790'
3770'
3750'
3730'
3690'
3650'
3610'
3570'
3530'
(feet above mean sea level)
Well #4
400 feet
to East
Well #5
400 feet
to West
Well #6
500 feet
to West
Well #8
600 feet
to West
Well #7
800 feet
to West
Soil
05176 X-4
1100 feet
to East
05176 X
800 feet
to East
05176 X-6
400 feet
to East
Caliche
Sand and Gravel
Water Table
?
White Rock
Sand
(Ogallala Aquifer)
Red Beds
(Dockum Formation)
0
2,500
5,000 Feet
Horizontal Scale
LEGEND
Borehole
Screen interval for existing wells
NOTE:
62.5X vertical exaggeration. Lithologic units determined from available well records. Water table determined from well records dating from 1961 to 1979.
Cross section is inferred from available data. Validity of available data was not field verified.
Revision Date: 01/29/2007
Hobbs_X-section.mxd
Figure 2-2:
Inferred Geologic Cross-Section
Hobbs Generating Station
Hobbs, New Mexico
CH2MHILL
\\Roswell\arcinfo\Av_Proj\HobbsGeneratingStation\HGSFig2-3.mxd



Legend

- Existing Production Well
- USGS Monitoring Well
- Groundwater Elevation (ft amsl)
  Source: USGS, 2006

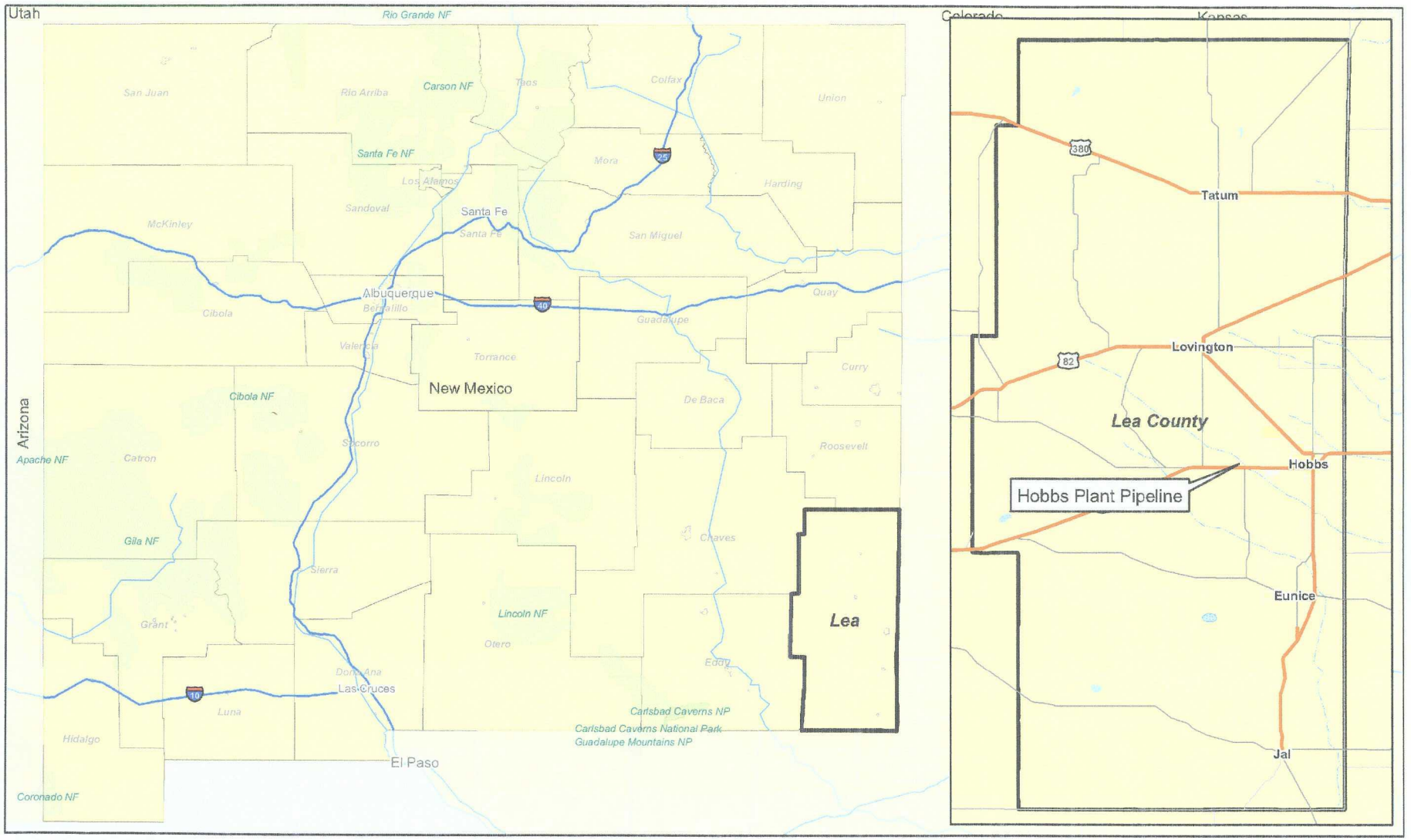
Figure 2-3: Groundwater Contour Map (January - February, 1996)

Hobbs Generation Project
Hobbs, New Mexico

CH2MHILL

Attachment 1

Regional Map



Regional Map
Hobbs Plant Pipeline

CH2MHILL

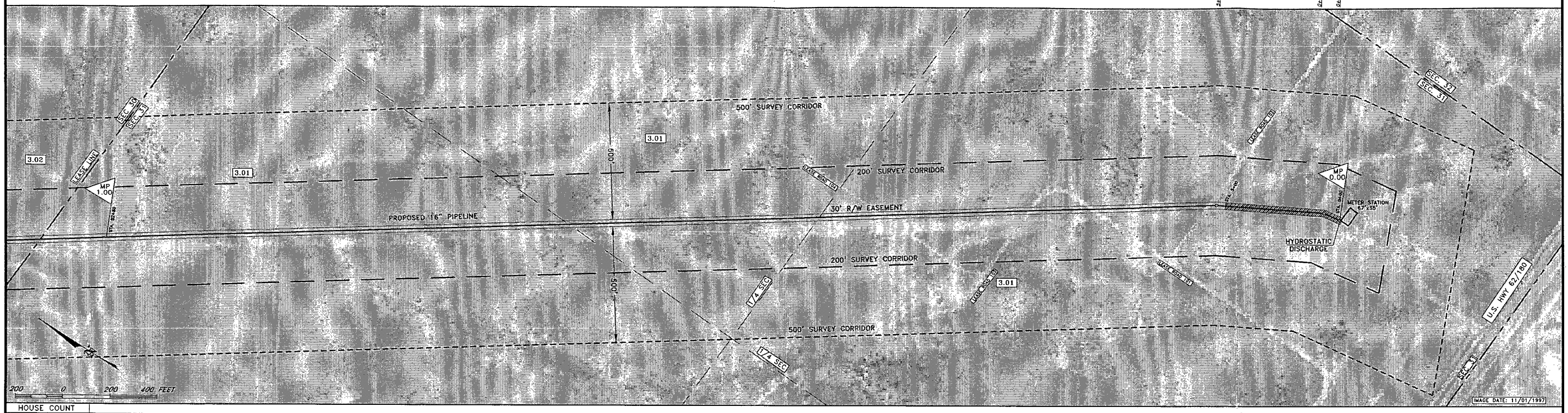
Attachment 2

Monument North Quadrangle Map

Attachment 3

Alignment Sheets

PROTECTION EASEMENT	
LINE LIST NO.	3.01
RODS AND PROPERTY LINE STATIONS (35+59.3 S.L.)	336.93 RODS
ANGLES & BEARINGS	N 37°15'15" W



HOUSE COUNT	
CLASSIFICATIONS	CLASS 1
STATIONS	55+68 ∅ "M" ETOE; 55+59.3 SECTION LINE; 51+16 ZIA NATIONAL GAS P.L.; 19+23 LEASE ROAD; 13+41 LEASE ROAD; 10+48 LEASE ROAD; 9+44 CHEVRON P.L.; 5+58 DUKE P.L.; 5+53 LEASE ROAD; 3+32.2 P.I. 064°43'; 1+10 CHEVRON P.L.; 0+78.2 P.I. 10°28'1" LT; 0+66.6 P.I. 74°43'31" LT; 0+00 BEGIN SURVEY MARKWEST HEADER
WORKROOM	PERMANENT WORKSPACE; CONSTRUCTION WORKSPACE; 30' 45' 15'; 55+59.3; 0+00
ENVIRONMENTAL CONDITIONS	
SPECIAL REQUIREMENTS	

LEGEND
- 500' DISCHARGE CORRIDOR
- 200' SURVEY CORRIDOR
- DISCHARGE AREA

OWNERSHIP		
3.01	OWNER: STATE OF NEW MEXICO	LESSEE: BRUCE ALENE CARLIN, est.
3.02	OWNER: STATE OF NEW MEXICO	LESSEE: A.C. RANCH

REFERENCE DRAWINGS	REVISIONS

MARKWEST NEW MEXICO, L.P. PIPELINE PROJECT

FILE NO.: HOBBS PLANT PROJ.DWG

PROPOSED PIPELINE FROM HOBBS PLANT TO MADDOX ROAD LEA COUNTY, NEW MEXICO

VALVE SECTION

DATE:

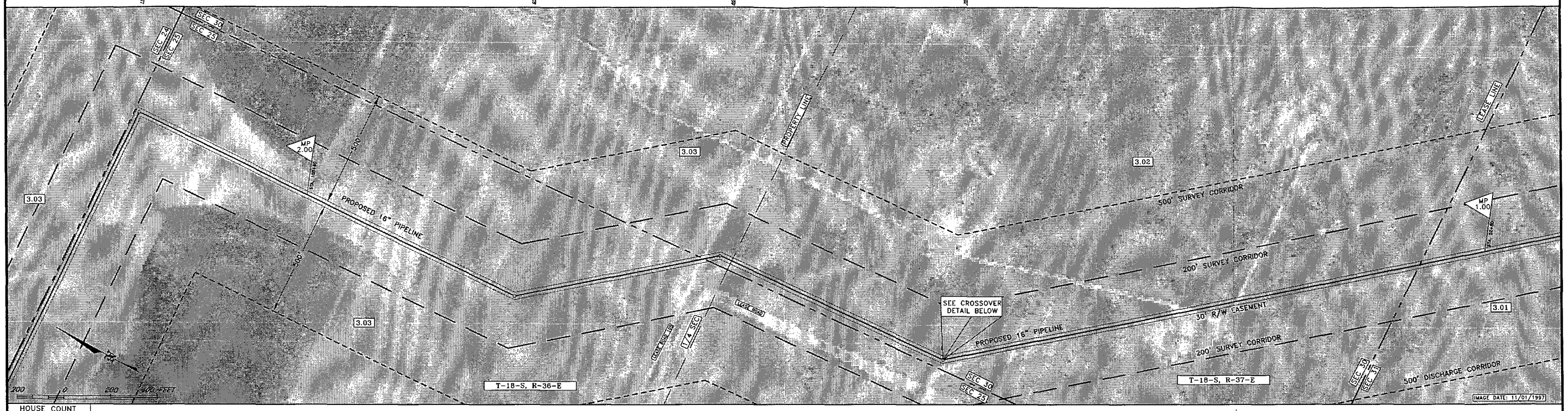
DRAWN BY: K. Goad

DATE: 08-30-2007

DATE OF IMAGE: 11-01-1997

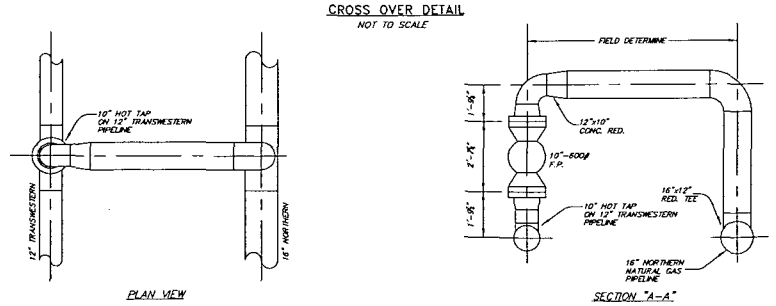
PROTECTION EASEMENT

LINE LIST NO.	3.03		3.02		3.01
RODS AND PROPERTY LINE STATIONS	125+89.1	232.38 RODS TO STA. 125+89.1	87+54.9	125.20 RODS	86+28.7	185.08 RODS	55+59.3
ANGLES & BEARINGS	S 89°36'44" W	N 00°58'11" W	N 37°58'11" W	N 37°58'11" W	N 00°54'05" W	N 37°57'15" W	



HOUSE COUNT	
CLASSIFICATIONS	CLASS 1
STATIONS	113+81 B/W FENCE 114+62.5 R/W/22'-LE; 106+51 E.O.T.T. B.P.L.; 101+29 WATER B.P.L.; 55+21.1 P.I. 37°04'22"-LE; 87+54.9 N-S SECTION LINE; 85+43.1 P.I. 38°42'39"-LE; 85+43.0 CLASS 1 ROAD; 84+77.7 E/W PROPERTY LINE; 84+37.7 E/W FENCE; 77+94 O-H ELEC. LINE; 76+52.2 P.I. 36°41'17"-RT; 73+83 2 TRACK ROAD; 68+52 O-H ELEC. LINE; 62+69 2 TRACK ROAD; 57+19 DBL POLE ELEC. LINE; 55+48 B/W FENCE 55+59.3 C-H SECTION LINE
WORKROOM	PERMANENT WORKSPACE; CONSTRUCTION WORKSPACE; 113+81; 30' 15' 15'; 55+59.3; 30' 15' 15'
ENVIRONMENTAL CONDITIONS	
SPECIAL REQUIREMENTS	

CROSS OVER DETAIL
NOT TO SCALE



PLAN VIEW — SECTION "A-A"

LEGEND
- 500' SURVEY CORRIDOR
- 200' SURVEY CORRIDOR

OWNERSHIP

3.01	OWNER: STATE OF NEW MEXICO	LESSEE: BRUCE ALENE CARLIN, ext.
3.02	OWNER: STATE OF NEW MEXICO	LESSEE: A.C. RANCH
3.03	OWNER: RANDY SMITH	

REFERENCE DRAWINGS

REVISIONS

MARKWEST NEW MEXICO, L.P. PIPELINE PROJECT

FILE NO.: HOBBS PLANT PROJ.DWG

PROPOSED PIPELINE FROM HOBBS PLANT TO MADDOX ROAD LEA COUNTY, NEW MEXICO

VALVE SECTION

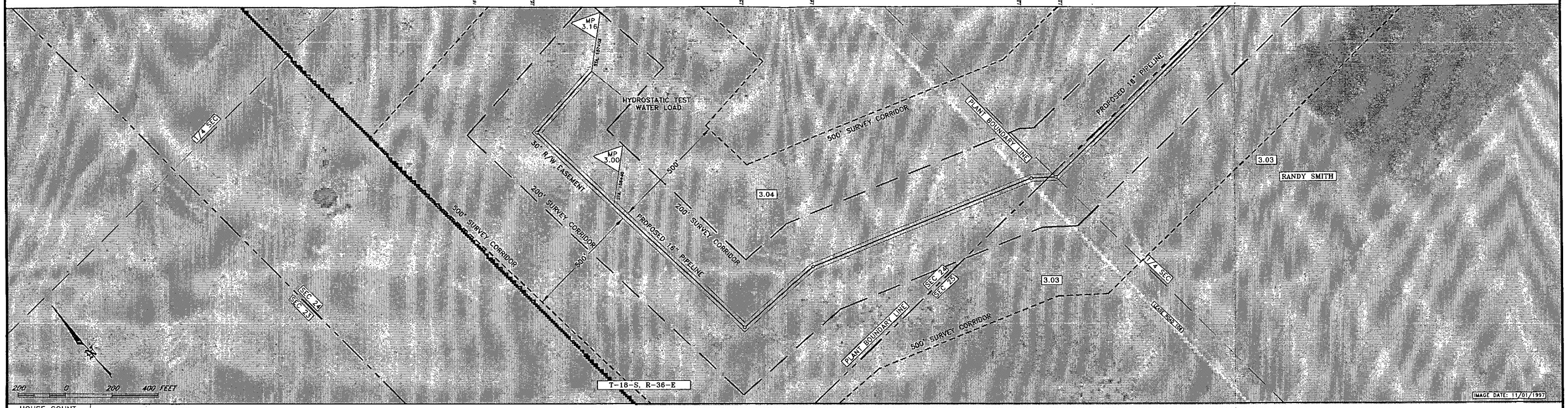
DATE:

DRAWN BY: K. Good

DATE: 08-30-2007

DATE OF IMAGE: 11-01-1997

PROTECTION EASEMENT	
LINE LIST NO.	3.03
RODS AND PROPERTY LINE STATIONS	167+03 — 188.84 RODS — 153+83.3 — 60.49 RODS — 135+81
ANGLES & BEARINGS	167+03 DIG SURVEY; N 02°02'18" W; 153+83.3 DIG SURVEY; N 02°02'18" W; 135+81 DIG SURVEY; N 87°37'05" W; 135+81 DIG SURVEY; N 68°03'08" W; 153+83.3 DIG SURVEY; N 42°51'27" W; 153+83.3 DIG SURVEY; S 89°56'44" W



HOUSE COUNT	
CLASSIFICATIONS	CLASS 1
STATIONS	167+03 DIG SURVEY N 02°02'18" W; 166+00 BEGIN 30x10 W; 165+74 TOP BURM; 164+20 PLANT ROAD; 164+15 PLANT BURM; 163+30 TOP BURM; 163+20 50' BURM; 161+58 MAN LEASE ROAD; 161+52.2 PI N 87°37'05" W; 153+83.3 DIG SURVEY N 02°02'18" W; 146+66 LEASE ROAD; 135+81.7 PI N 87°37'05" W; 146+52 LEASE ROAD; 141+19 LEASE ROAD; 140+31 LEASE ROAD; 139+55 LEASE ROAD; 139+40 LEASE ROAD; 135+81 DIG SURVEY N 68°03'08" W; 135+67.5 PLANT BURM; 135+45 OLD FENCE; 135+37 MAIN LEASE LINE; 135+17 OLD FENCE; 135+02.7 PI N 42°51'27" W; 135+01 DIG SURVEY N 42°51'27" W
WORKROOM	PERMANENT WORKSPACE; CONSTRUCTION WORKSPACE; 167+03; 30'; 15'; 15'; 113+81
ENVIRONMENTAL CONDITIONS	
SPECIAL REQUIREMENTS	

LEGEND
- 500' SURVEY CORRIDOR
- 200' SURVEY CORRIDOR

OWNERSHIP

3.03	OWNER: RANDY SMITH
3.04	OWNER: LEA POWER PARTNERS, L.L.C.

REFERENCE DRAWINGS

REVISIONS

MARKWEST NEW MEXICO, L.P. PIPELINE PROJECT

FILE NO.: HOBBS PLANT PROJ.DWG

PROPOSED PIPELINE FROM HOBBS PLANT TO MADDOX ROAD
LEA COUNTY, NEW MEXICO

VALVE SECTION

DATE:

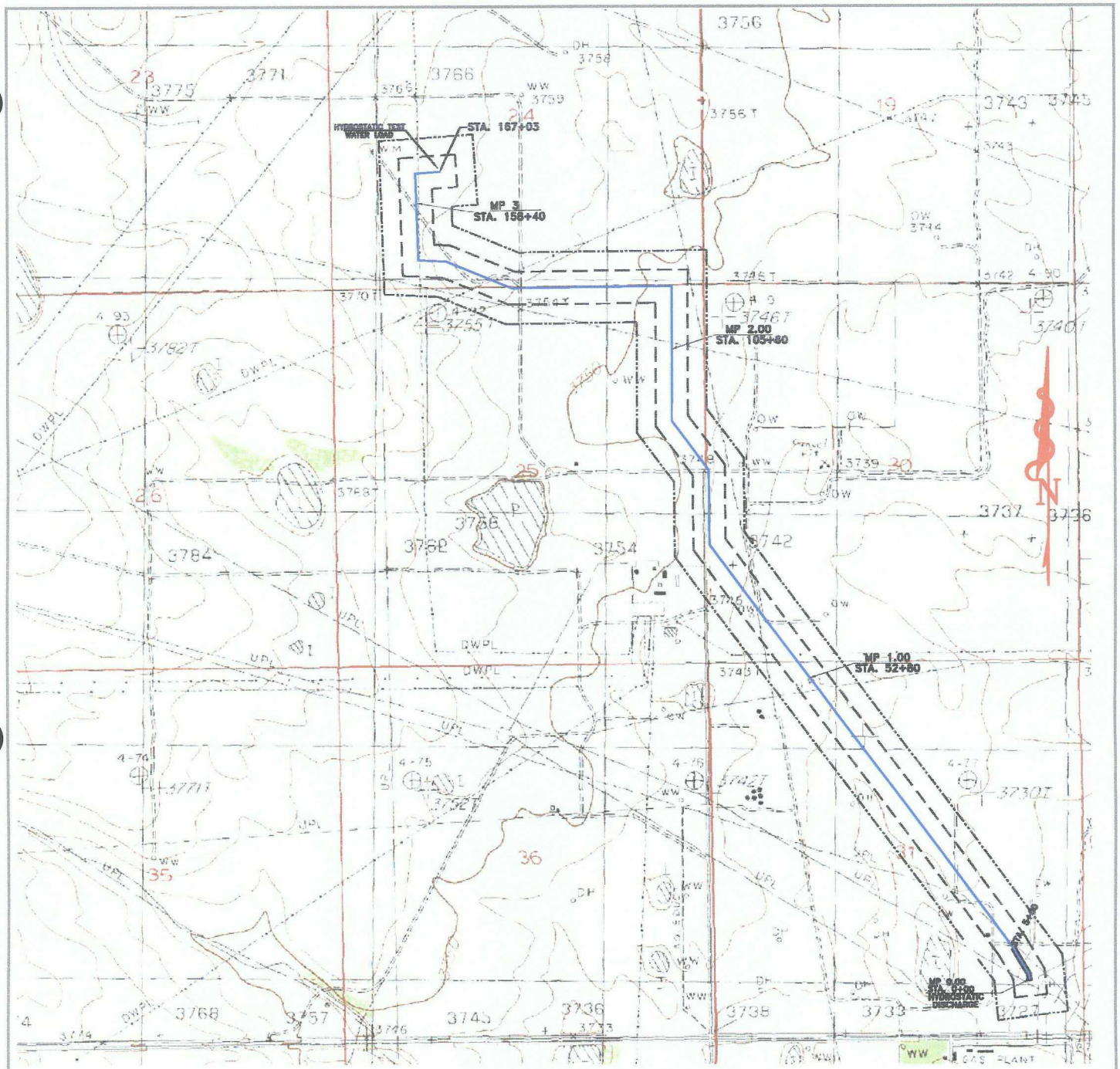
DRAWN BY: K. Goad

DATE: 08-30-2007

DATE OF IMAGE: 11-01-1997

Attachment 4

Quadrangle Excerpt



– PROPOSED PIPELINE
– 500' SURVEY CORRIDOR
– 200' SURVEY CORRIDOR
– DISCHARGE AREA

HOBBS PLANT PIPELINE PROJECT

Sections 24&25, Township 18 South, Range 36 East,
& Sections 30&31, Township 18 South, Range 37 East,
N.M.P.M., Lea County, New Mexico.

basin surveys
focused on excellence in the oilfield

P.O. Box 1786
1120 N. West County Rd.
Hobbs, New Mexico 88241
(505) 393-7316 – Office
(505) 392-3074 – Fax
basinsurveys.com

W.O. Number:	18299
Survey Date:	07/20/07
Scale:	1" = 2000'
Date:	07/23/07

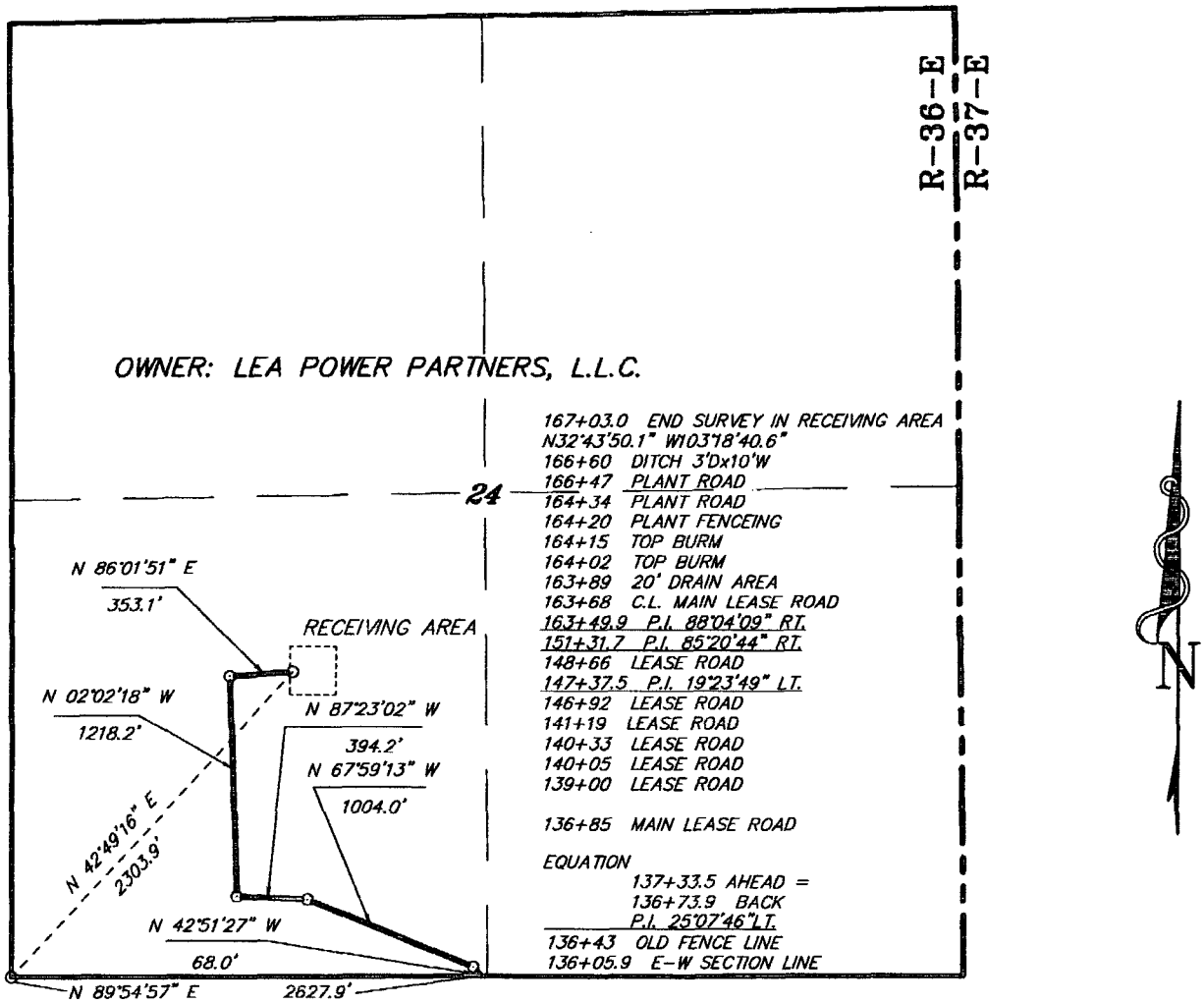
MARKWEST NEW MEXICO LP

Attachment 5

Certified Survey Map

SECTION 24, TOWNSHIP 18 SOUTH, RANGE 36 EAST, N.M.P.M.,

LEA COUNTY, **NEW MEXICO.**



LEGAL DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE, LOCATED IN SECTION 24, TOWNSHIP 18 SOUTH, RANGE 36 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND RIGHT OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY.

BEGINNING AT A POINT ON THE SOUTH SECTION LINE WHICH LIES N.89°54'57"E., 2627.9 FEET FROM THE SOUTHWEST CORNER OF SAID SECTION 24; THENCE N.42°51'27"W., 68.0 FEET; THENCE N.67°59'13"W., 1004.0 FEET; N.87°23'02"W., 394.2 FEET; N.02°02'18"W., 1218.2 FEET; THENCE N.86°01'51"E., 353.1 FEET TO THE END OF THIS LINE WHICH LIES N.42°49'16"E., 2303.9 FEET FROM THE SOUTHWEST CORNER OF SAID SECTION 24. SAID STRIP OF LAND BEING 3037.5 FEET OR 184.09 RODS IN LENGTH.

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY AND MEETS OR EXCEEDS ALL REQUIREMENTS FOR LAND SURVEYS AS SPECIFIED BY THIS STATE.

GARY L. JONES, N.M. P.S. No. 7977
TEXAS R.P.L.S. No. 5074

1000 0 1000 2000 FEET

BASIN SURVEYS P.O. BOX 1786 – HOBBS, NEW MEXICO

MARKWEST NEW MEXICO L.P.

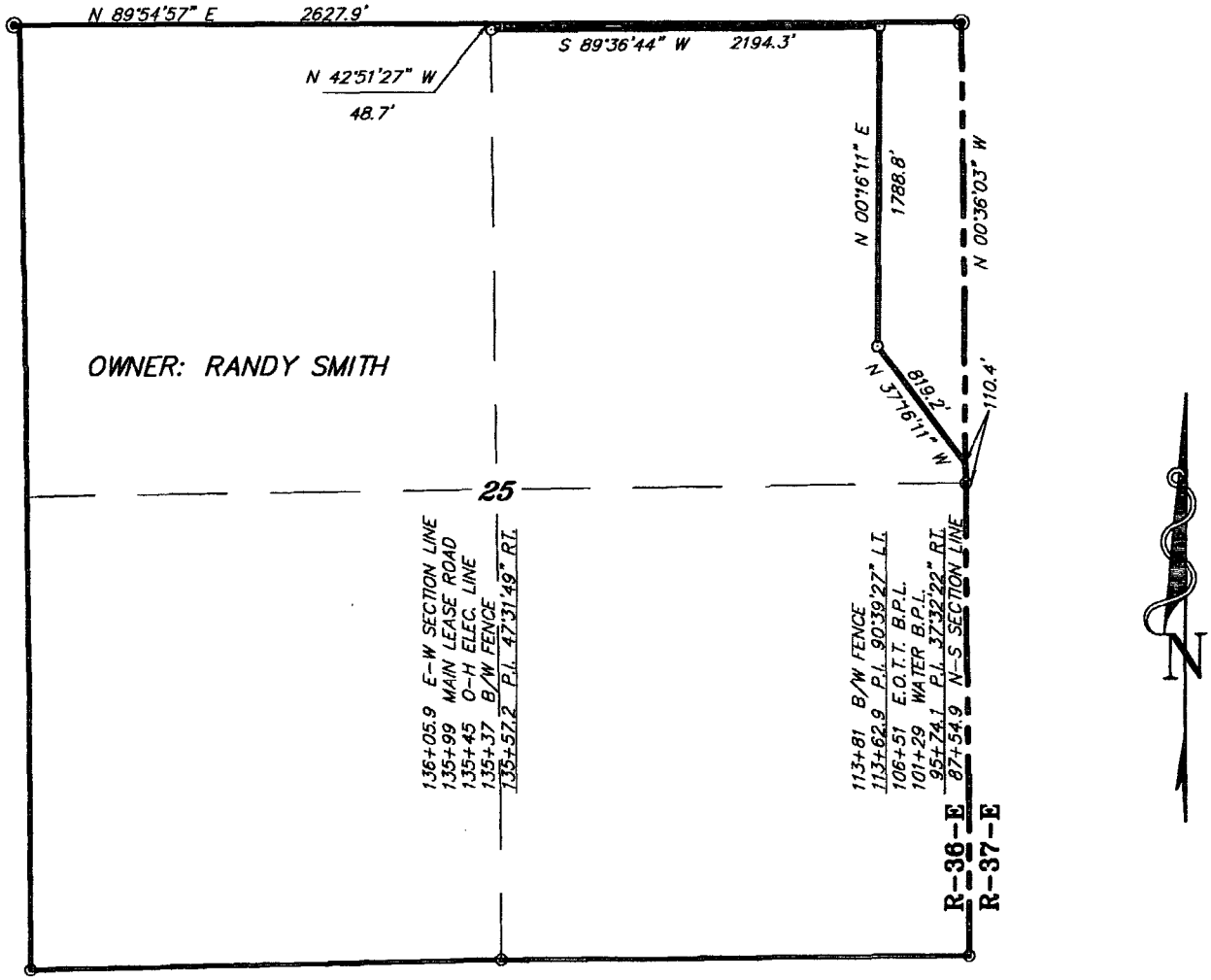
REF: PROPOSED PIPELINE FROM HOBBS PLANT TO MADDOX ROAD

A PIPELINE CROSSING FEE LAND IN
SECTION 24, TOWNSHIP 18 SOUTH, RANGE 36 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO.

W.O. Number: 18461	Drawn By: James Presley		
Date: 07/23/07	Disk: JLP #1 – MAR18461	Survey Date: 07/20/07	Sheet 5 of 5 Sheets

SECTION 25, TOWNSHIP 18 SOUTH, RANGE 36 EAST, N.M.P.M.,

LEA COUNTY, **NEW MEXICO.**



LEGAL DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE, LOCATED IN SECTION 25, TOWNSHIP 18 SOUTH, RANGE 36 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND RIGHT OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY.

BEGINNING AT A POINT ON THE EAST PROPERTY LINE WHICH LIES N.00°36'03"W., 110.4 FEET FROM THE EAST QUARTER CORNER OF SAID SECTION 25; THENCE N.37°16'11"W., 819.2 FEET; THENCE N.00°16'11"E., 1788.8 FEET; S.89°36'44"W., 2194.3 FEET; THENCE N.42°51'27"W., 48.7 FEET TO A POINT ON THE NORTH SECTION LINE WHICH LIES N.89°54'57"E., 2627.9 FEET FROM THE NORTHWEST CORNER OF SAID SECTION 25. SAID STRIP OF LAND BEING 4851.0 FEET OR 294.00 RODS IN LENGTH.

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY AND MEETS OR EXCEEDS ALL REQUIREMENTS FOR LAND SURVEYS AS SPECIFIED BY THIS STATE.

GARY L. JONES, N.M. No. 7977
TEXAS P.L.S. No. 5074

1000 0 1000 2000 FEET

BASIN SURVEYS P.O. BOX 1786 – HOBBS, NEW MEXICO

MARKWEST NEW MEXICO L.P.

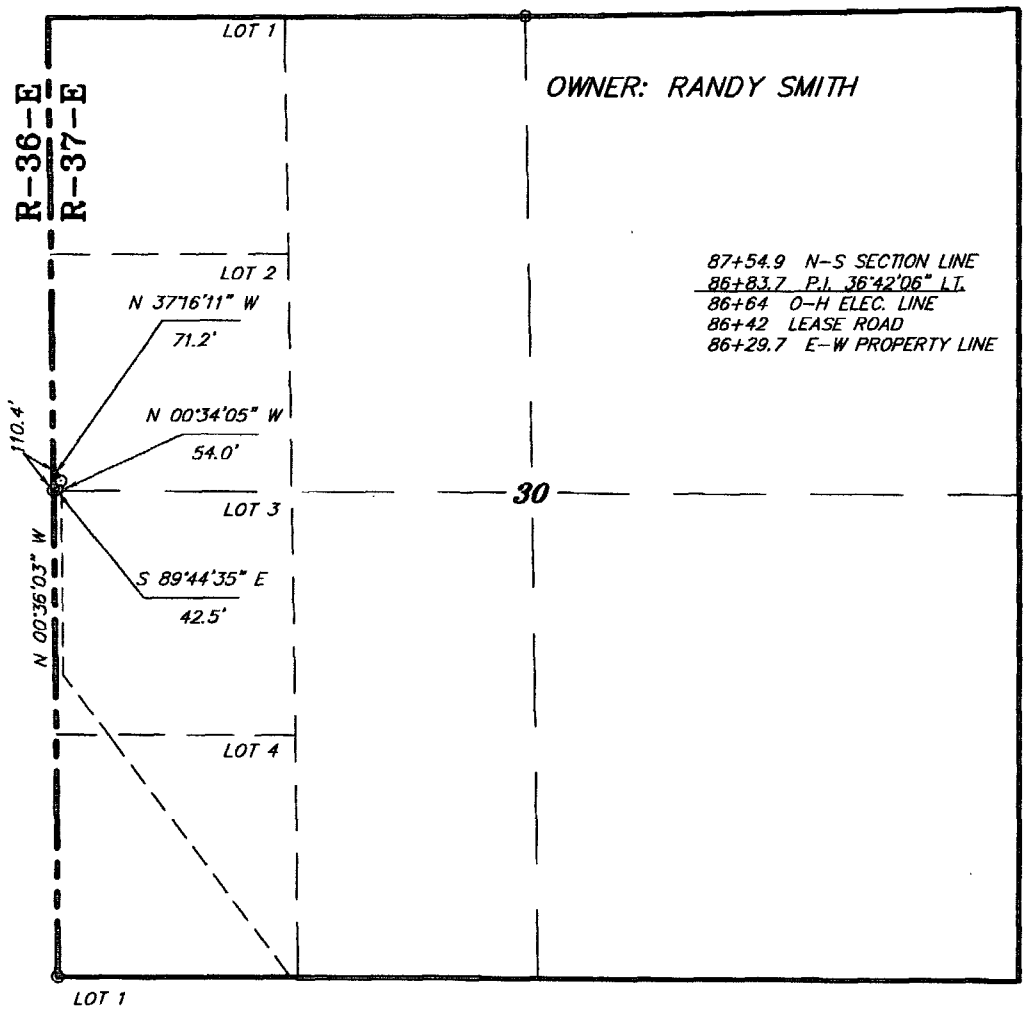
REF: PROPOSED PIPELINE FROM HOBBS PLANT TO MADDOX ROAD

A PIPELINE CROSSING FEE LAND IN
SECTION 25, TOWNSHIP 18 SOUTH, RANGE 36 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO.

W.O. Number: 187461	Drawn By: James Presley		
Date: 07/23/07	Disk: JLP #1 – MAR18461	Survey Date: 07/20/07	Sheet 4 of 5 Sheets

SECTION 30, TOWNSHIP 18 SOUTH, RANGE 37 EAST, N.M.P.M.,

LEA COUNTY, **NEW MEXICO.**



LEGAL DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE, LOCATED IN SECTION 30, TOWNSHIP 18 SOUTH, RANGE 37 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND RIGHT OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY.

BEGINNING AT A POINT ON THE SOUTH PROPERTY LINE WHICH LIES S.89°44'35"E., 42.5 FEET FROM THE WEST QUARTER CORNER OF SAID SECTION 30; THENCE N.00°34'05"W., 54.0 FEET; THENCE N.37°16'11"W., 71.2 FEET TO A POINT ON THE WEST PROPERTY LINE WHICH LIES N.00°36'03"W., 110.4 FEET FROM THE WEST QUARTER CORNER OF SAID SECTION 30. SAID STRIP OF LAND BEING 125.2 FEET OR 7.59 RODS IN LENGTH.

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY AND MEETS OR EXCEEDS ALL REQUIREMENTS FOR LAND SURVEYS AS SPECIFIED BY THIS STATE.

GARY L. JONES — No. 7977
TEXAS — No. 5074

1000 0 1000 2000 FEET

MARKWEST NEW MEXICO L.P.

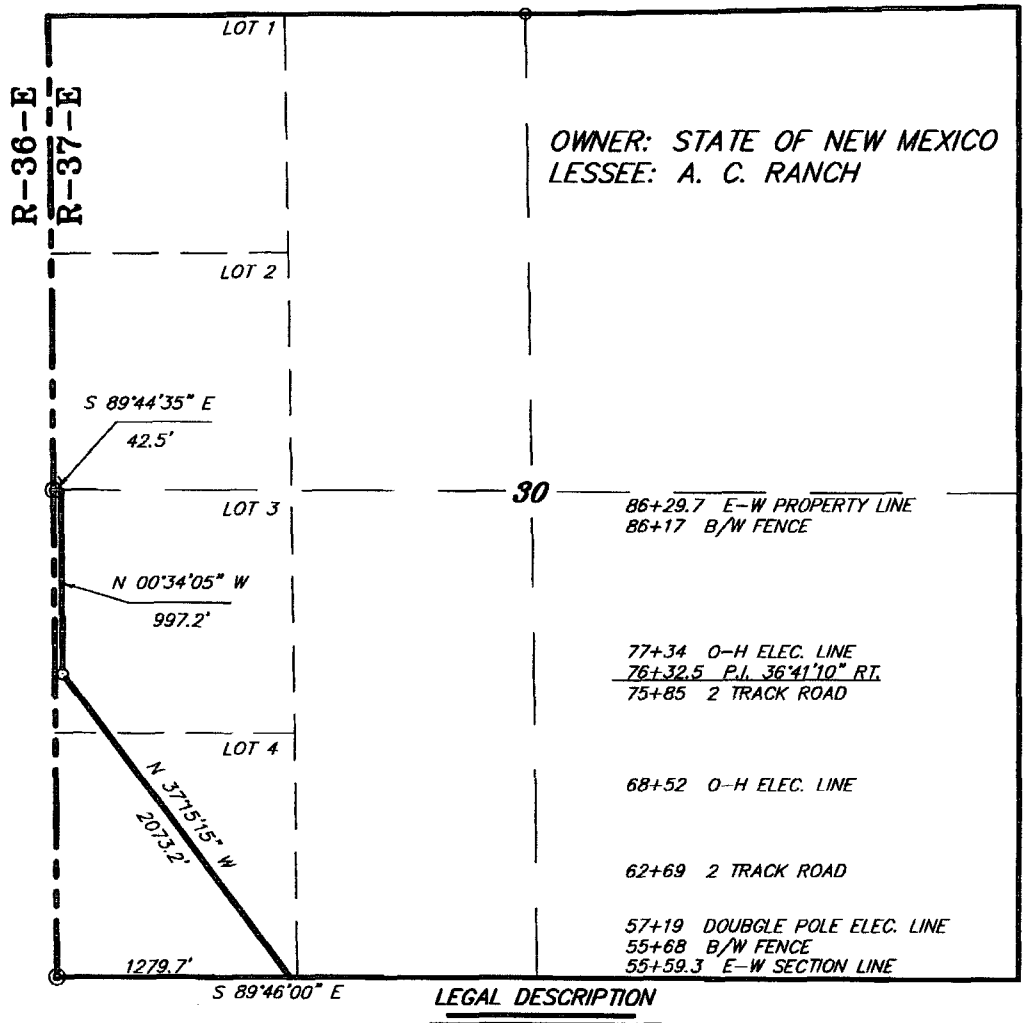
REF: PROPOSED PIPELINE FROM HOBBS PLANT TO MADDOX ROAD

A PIPELINE CROSSING FEE LAND IN
SECTION 30, TOWNSHIP 18 SOUTH, RANGE 37 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO.

BASIN SURVEYS P.O. BOX 1786 – HOBBS, NEW MEXICO

W.O. Number: 18461	Drawn By: James Presley		
Date: 07/23/07	Disk: JLP #1 – MAR18461	Survey Date: 07/20/07	Sheet 3 of 5 Sheets

SECTION 30, TOWNSHIP 18 SOUTH, RANGE 37 EAST, N.M.P.M.,
LEA COUNTY, **NEW MEXICO.**



LEGAL DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE, LOCATED IN SECTION 30, TOWNSHIP 18 SOUTH, RANGE 37 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND RIGHT OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY.

BEGINNING AT A POINT ON THE SOUTH SECTION LINE WHICH LIES S.89°46'00"E., 1279.7 FEET FROM THE SOUTHWEST CORNER OF SAID SECTION 30; THENCE N.37°15'15"W., 2073.2 FEET; THENCE N.00°34'05"W., 997.2 FEET TO A POINT ON THE NORTH PROPERTY LINE WHICH LIES S.89°44'35"E., 42.5 FEET FROM THE WEST QUARTER CORNER OF SAID SECTION 30. SAID STRIP OF LAND BEING 3070.4 FEET OR 186.08 RODS IN LENGTH AND CONTAINING, 2.11 ACRES OF LAND MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS.

LOT 4	100.90 RODS	1.15 ACRES
LOT 3	85.18 RODS	0.96 ACRES
TOTAL	3070.4 FEET = 186.08 RODS = 2.11 ACRES	

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY AND MEETS OR EXCEEDS ALL REQUIREMENTS FOR LAND SURVEYS AS SPECIFIED BY THIS STATE.

GARY L. JONES N.M. P.S. No. 7977
No. 5074

1000 0 1000 2000 FEET

BASIN SURVEYS P.O. BOX 1786 – HOBBS, NEW MEXICO

MARKWEST NEW MEXICO L.P.

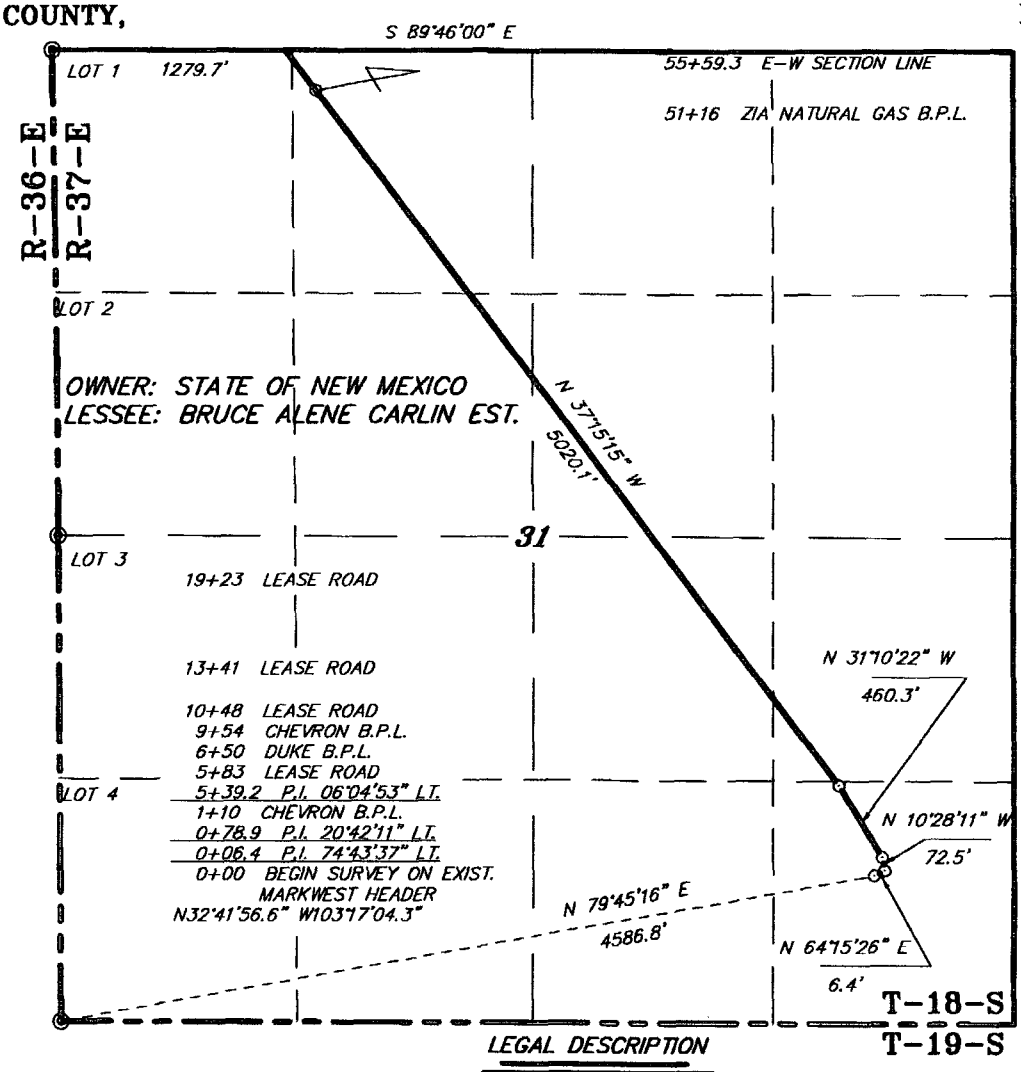
REF: PROPOSED PIPELINE FROM HOBBS PLANT TO MADDOX ROAD

A PIPELINE CROSSING STATE LAND IN
SECTION 30, TOWNSHIP 18 SOUTH, RANGE 37 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO.

W.O. Number: 18461	Drawn By: James Presley		
Date: 07/23/07	Disk: JLP #1 – MAR18461	Survey Date: 07/20/07	Sheet 2 of 5 Sheets

SECTION 31, TOWNSHIP 18 SOUTH, RANGE 37 EAST, N.M.P.M.,

LEA COUNTY, **NEW MEXICO.**



LEGAL DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE, LOCATED IN SECTION 31, TOWNSHIP 18 SOUTH, RANGE 37 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND RIGHT OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY.

BEGINNING AT A POINT WHICH LIES N.79°45'16"E., 4586.8 FEET FROM THE SOUTHWEST CORNER OF SAID SECTION 31; THENCE N.64°15'26"E., 6.4 FEET; THENCE N.10°28'11"E., 72.5 FEET; THENCE N.31°10'22"W., 460.3 FEET; THENCE N.37°15'15"W., 5020.1 FEET TO A POINT ON THE NORTH SECTION LINE WHICH LIES S.89°46'00"E., 1279.7 FEET FROM THE NORTHWEST CORNER OF SAID SECTION 31. SAID STRIP OF LAND BEING 5559.3 FEET OR 336.93 RODS IN LENGTH AND CONTAINING 3.83 ACRES, MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS.

SE/4 SE/4	34.42 RODS	0.39 ACRES	SW/4 NE/4	65.88 RODS	0.75 ACRES	NE/4 NW/4	97.13 RODS	1.10 ACRES
NE/4 SE/4	34.24 RODS	0.39 ACRES	SE/4 NW/4	35.01 RODS	0.41 ACRES	NW/4 NW/4	3.83 RODS	0.04 ACRES
NW/4 SE/4	66.42 RODS	0.75 ACRES						

TOTAL 5559.3 FEET = 336.93 RODS = 3.83 ACRES

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY AND MEETS OR EXCEEDS THE REQUIREMENTS FOR LAND SURVEYS AS SPECIFIED BY THIS STATE.

GARY L. JONES N.M. P.S. No. 7977
TEXAS R.P.L.S. No. 5074

1000 0 1000 2000 FEET

BASIN SURVEYS P.O. BOX 1786 – HOBBS, NEW MEXICO

MARKWEST NEW MEXICO L.P.

REF: PROPOSED PIPELINE FROM HOBBS PLANT TO MADDOX ROAD

A PIPELINE CROSSING STATE LAND IN
SECTION 31, TOWNSHIP 18 SOUTH, RANGE 37 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO.

W.O. Number: 18461	Drawn By: James Presley		
Date: 07/23/07	Disk: JLP #1 – MAR18461	Survey Date: 07/20/07	Sheet 1 of 5 Sheets

Attachment 6

National Wetland Inventory Map

Attachment 7

FEMA Map

FEMA Map Service Center

FEMA Issued Flood Maps

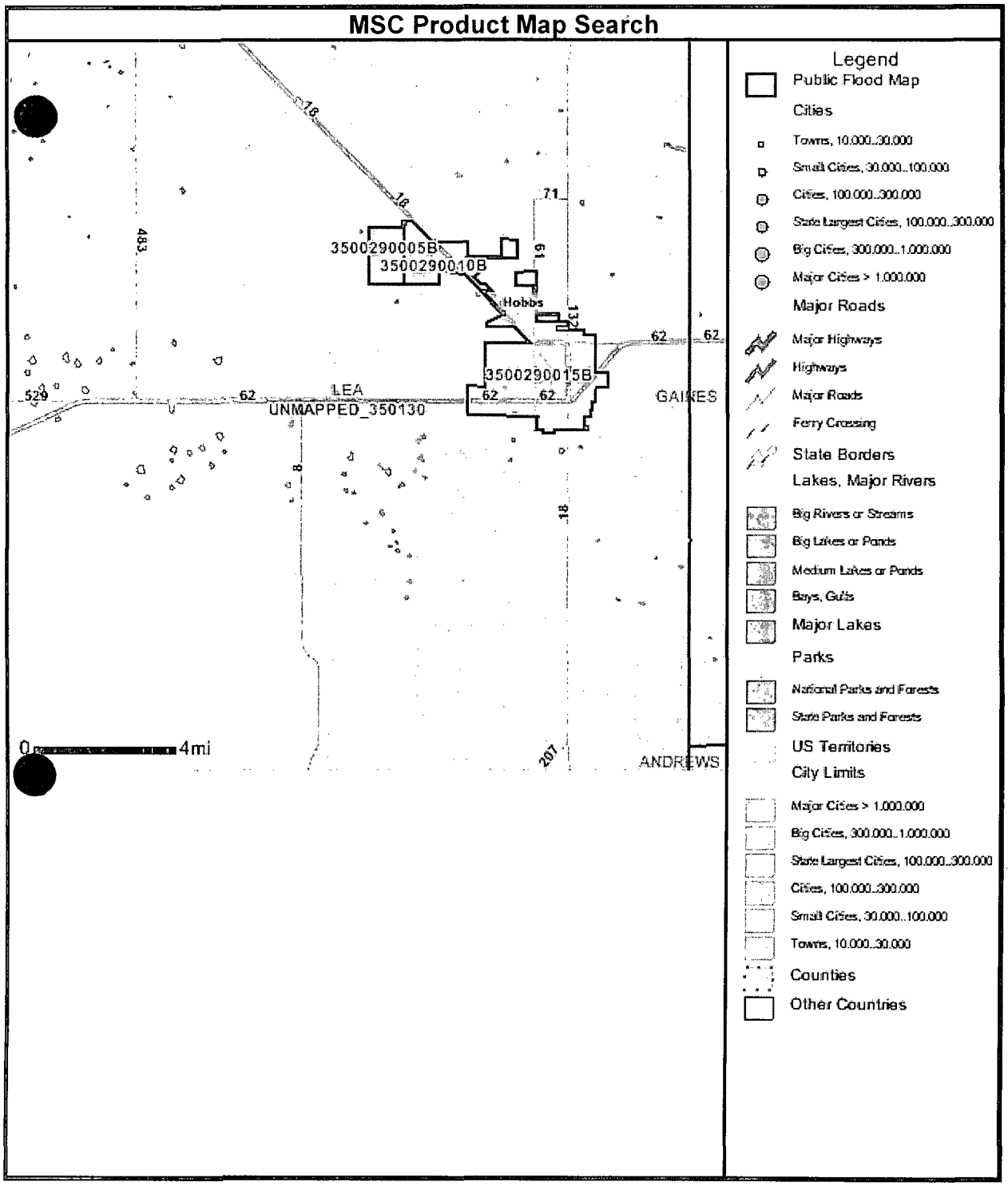
Use the following selection boxes to find your area of interest. If you want all maps for a particular jurisdiction click the "Get Kit" button which will appear to the right.

Show FEMA IDs **FEMA ID**

1. Select a State, District or Territory: NEW MEXICO — 35
   To order state kits, please contact customer service at (800) 358-9616.
2. Select a County, Parish, etc: LEA COUNTY — 35025 — Get County Kit
3. Select a Community: HOBBS,CTY/LEA CO — 350029 — Get Community Kit
4. Get FEMA Issued Flood Maps

* designates unincorporated areas

FEMA Map Service Center, P.O. Box 1038 Jessup, Maryland 20794-1038 Phone: (800) 358-9616


MSC Product Map Search
Legend
Public Flood Map
Cities
Towns, 10,000..30,000
Small Cities, 30,000..100,000
Cities, 100,000..300,000
State Largest Cities, 100,000..300,000
Big Cities, 300,000..1,000,000
Major Cities > 1,000,000
Major Roads
Major Highways
Highways
Major Roads
Ferry Crossing
State Borders
Lakes, Major Rivers
Big Rivers or Streams
Big Lakes or Ponds
Medium Lakes or Ponds
Bays, Gulfs
Major Lakes
Parks
National Parks and Forests
State Parks and Forests
US Territories
City Limits
Major Cities > 1,000,000
Big Cities, 300,000..1,000,000
State Largest Cities, 100,000..300,000
Cities, 100,000..300,000
Small Cities, 30,000..100,000
Towns, 10,000..30,000
Counties
Other Countries
3500290005B
3500290010B
3500290015B
Hobbs
LEA
UNMAPPED_350130
GAINES
ANDREWS
0
4mi

Attachment 8

NM Waters Database Search Results

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 18S Range: 37E Sections: 31

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 11/02/2007

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

DB File Nbr	Use	Diversion	Owner	POD Number	Source	Tws	Rng	Sec	q	q	q
L 03153	PRO	3	OSCAR BOURG DRLG. CO.	L 03153	Shallow	18S	37E	31			
				L 03153 APPRO		18S	37E	31			
L 03166	PRO	3	AMERADA PETROLEUM CORPORATION	L 03166	Shallow	18S	37E	31	1	4	
				L 03166 APPRO	Shallow	18S	37E	31	1	4	
L 05189	PRO	0	NOBLE DRILLING COMPANY	L 05189	Shallow	18S	37E	31	1	1	
L 05189 (1)	PRO	0	AMERADA PETROLEUM COMPANY	L 05189 (1)		18S	37E	31	1	1	
L 05189 (2)	PRO	0	LOWE DRILLING COMPANY	L 05189 (2) EXP		18S	37E	31	1	1	
L 11573	DOM	3	OLIN LYNCH	L 11573	Shallow	18S	37E	31	3	2	2

Record Count: 8

New Mexico Office of the State Engineer

POD Reports and Downloads

Township: 18S Range: 37E Sections: 31

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

WATER COLUMN REPORT 10/29/2007

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are biggest to smallest)

POD Number	Tws	Rng	Sec	q	q	q	Zone	X	Y	Depth Well	Depth Water	Water Column (in feet)
L 03153 APPRO	18S	37E	31							140	70	70
L 03153	18S	37E	31							140	70	70
L 05189	18S	37E	31	1	1					120	65	55
L 03166 APPRO	18S	37E	31	1	4					108	35	73
L 03166	18S	37E	31	1	4					108	35	73
L 11573	18S	37E	31	3	2	2				150		

Record Count: 6

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 18S Range: 37E Sections: 31

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

AVERAGE DEPTH OF WATER REPORT 10/29/2007

(Depth Water in Feet)

Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	Min	Max	Avg
L	18S	37E	31				5	35	70	55

Record Count: 5

New Mexico Office of the State Engineer

Water Right Summary

Back

DB File Nbr: L 03153
Primary Purpose: PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE
Primary Status: PMT Permit
Total Acres: 0
Total Diversion: 3
Owner: OSCAR BOURG DRLG. CO.

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
72121	04/10/1956	PMT LOG ABS	L 03153	T	0	3	

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

POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM_Zone	Easting	Northing	Latitude	Lo
L 03153	Shallow	18S	37E	31							13	660281	3619562	32 41 48.31	103 1
L 03153 APPRO		18S	37E	31							13	660281	3619562	32 41 48.31	103 1

New Mexico Office of the State Engineer
Transaction Summary

Back

72121 All Applications Under Statute 72-12-1

Trn_nbr: 203846 **Trn_desc:**L 03153 **File Date:**03/28/1956

Primary status: PMT Permit
Secondary status: LOG Well Log Received
Person assigned: *******
Applicant: OSCAR BOURG DRLG. CO.

Events

Date	Type	Description	Comment	Processed By
03/28/1956	APP	Application Received	*	******
04/10/1956	FIN	Final Action on application		******
04/10/1956	WAP	General Approval Letter		******
05/09/1956	LOG	Well Log Received	*	******

DB_File_Nbr	Acres	Diversion	Consumptive	Purpose of Use
L 03153	0	3	0	PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE

Point of Diversion
L 03153 18S 37E 31 in Lea County

Conditions

A :The maximum amount of water that may be appropriated under this permit is 3 acre-feet in any year.

D :The casing shall not exceed 7 inches outside diameter except under specific conditions in which reasons satisfactory to the State Engineer are shown.

6A :The oil well is to be plugged upon completion of the oil well drilling operations.

Action of the State Engineer

PLUGGING RECORD DUE ON OR BEFORE 4/15/57.

Approval Code: A Approved
Action Date: 04/10/1956
log due date: 04/15/1957
State Engineer:

New Mexico Office of the State Engineer

Water Right Summary

Back

DB File Nbr: L 03166
Primary Purpose: PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE
Primary Status: PMT Permit
Total Acres: 0
Total Diversion: 3
Owner: AMERADA PETROLEUM CORPORATION

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
72121	04/16/1956	PMT LOG ABS	L 03166	T	0	3	

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

POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM_Zone	Easting	Northing	Latitude	Lo
L 03166	Shallow	18S	37E	31	1	4					13	660066	3619769	32 42 14.38	103
L 03166 APPRO	Shallow	18S	37E	31	1	4					13	660066	3619769	32 42 14.38	103

New Mexico Office of the State Engineer

Transaction Summary

Back

72121 All Applications Under Statute 72-12-1

Trn_nbr: 203945 **Trn_desc:**L 03166 **File Date:**04/09/1956

Primary status: PMT Permit
Secondary status: LOG Well Log Received
Person assigned: *******
Applicant: AMERADA PETROLEUM CORPORATION

Events

Date	Type	Description	Comment	Processed By
04/09/1956	APP	Application Received	*	******
04/16/1956	FIN	Final Action on application		******
04/16/1956	WAP	General Approval Letter		******
04/25/1956	LOG	Well Log Received	*PCW FILED 04/24/56	******

DB_File_Nbr	Acres	Diversion	Consumptive	Purpose of Use
L 03166	0	3	0	PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE

Point of Diversion
L 03166 18S 37E 31 NW SE in Lea County

Remarks
E.T. FILED 04/11/57. PLUGGING RECORD DUE 05/01/58.

Conditions
D :The casing shall not exceed 7 inches outside diameter except under specific conditions in which reasons satisfactory to the State Engineer are shown.

A :The maximum amount of water that may be appropriated under this permit is 3 acre-feet in any year.

6A :The oil well is to be plugged upon completion of the oil well drilling operations.

Action of the State Engineer
PLUGGING RECORD DUE ON OR BEFORE 05/01/57.

Approval Code: A Approved

Action Date: 04/16/1956
log due date: 05/01/1957
State Engineer:
By:

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 05189
Primary Purpose: PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE
Primary Status: PMT Permit
Total Acres: 0
Total Diversion: 0
Owner: NOBLE DRILLING COMPANY

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
72121	07/15/1963	PMT APR CNV	CONVERSION	L 051 T	0	3	

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

Point of Diversion

POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM_Zone	Easting	Northing	Latitude	Lo
L 05189	Shallow	18S	37E	31	1	1					13	659657	3620165	32 42 27.45	103 1

New Mexico Office of the State Engineer
Transaction Summary

Back

72121 All Applications Under Statute 72-12-1

Trn_nbr: 116925 **Trn_desc:** CONVERSION L 05189 **File Date:** 07/15/1963

Primary status: PMT Permit
Secondary status: APR Approved
Person assigned: null
Applicant: NOBLE DRILLING COMPANY

Events

Date	Type	Description	Comment	Processed By
07/15/1963	CNV	Converted from Main Frame		******

DB_File_Nbr	Acres	Diversion	Consumptive	Purpose of Use
L 05189	0	3	0	PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 11573
Primary Purpose: DOM 72-12-1 DOMESTIC ONE HOUSEHOLD
Primary Status: PMT Permit
Total Acres: 0
Total Diversion: 3
Owner: OLIN LYNCH

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
72121	01/26/2004	PMT LOG PRC	L 11573	T	0	3	

(qtr are 1=NW 2=NE 3=SW 4=SE)

Point of Diversion POD Number	(qtr are biggest to smallest) Source	Tws	Rng	Sec	q	q	q	X Y are in Feet Zone	X	Y	UTM are in Meters) UTM_Zone	Easting	Northing	Latitude	Lo
L 11573	Shallow	18S	37E	31	3	2	2				13	660174	3619466	32 42 1.33	103

New Mexico Office of the State Engineer
Transaction Summary

Back

72121 All Applications Under Statute 72-12-1

Trn_nbr: 293849 **Trn_desc:** L 11573 **File Date:** 01/13/2004

Primary status: PMT Permit
Secondary status: LOG Well Log Received
Person assigned: *******
Applicant: OLIN LYNCH

Events

Date	Type	Description	Comment	Processed By
01/13/2004	APP	Application Received	*	******
01/26/2004	FIN	Final Action on application		******
01/26/2004	WAP	General Approval Letter		******
03/02/2004	LOG	Well Log Received	*	******
03/09/2004	QAT	Quality Assurance Completed		******

DB_File_Nbr	Acres	Diversion	Consumptive	Purpose of Use
L 11573	0	3	0	DOM 72-12-1 DOMESTIC ONE HOUSEHOLD

Point of Diversion
L 11573 18S 37E 31 SW NE NE in Lea County

Conditions

1B :Depth of the well shall not exceed the thickness of the Ogallala formation.

4 :Use shall be limited to household, non-commercial trees, lawn and garden not to exceed one acre and/or stock use.

Action of the State Engineer
Approval Code: A Approved
Action Date: 01/26/2004
log due date: 01/31/2005
State Engineer: John R. D Antonio, Jr., P.E.
By:

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 18S Range: 37E Sections: 32

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

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POD / SURFACE DATA REPORT 11/02/2007

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are biggest to smallest

DB File Nbr	Use	(acre ft per annum) Diversion	Owner	POD Number	Source	Tws	Rng	Sec	q q q	X Y are in Zone
L 02647	STK	3	VIRGIL LINAM	L 02647	Shallow	18S	37E	32	1 3 3	
				L 02647 APPRO	Shallow	18S	37E	32	1 3 3	
L 02968	PRO	0	HUMBLE OIL & REFINING CO.	L 02968		18S	37E	32	3 2 3	
L 06090	DOM	0	ROBERT E. GARCIA	L 06090 EXP		18S	37E	32	4 4	

Record Count: 4

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 18S Range: 37E Sections: 32

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

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WATER COLUMN REPORT 10/29/2007

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are biggest to smallest)

POD Number	Tws	Rng	Sec	q	q	q	Zone	X	Y	Depth Well	Depth Water	Water Column (in feet)
L 02647 APPRO	18S	37E	32	1	3	3				130	35	95
L 02647	18S	37E	32	1	3	3				130	35	95

Record Count: 2

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 18S Range: 37E Sections: 32

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

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AVERAGE DEPTH OF WATER REPORT 10/29/2007

								(Depth Water in Feet)		
Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	Min	Max	Avg
L	18S	37E	32				2	35	35	35

Record Count: 2

New Mexico Office of the State Engineer
Water Right Summary

Back

DB File Nbr: L 02647
Primary Purpose: STK 72-12-1 LIVESTOCK WATERING
Primary Status: PMT Permit
Total Acres: 0
Total Diversion: 3
Owner: VIRGIL LINAM

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
72121	10/14/1954	PMT LOG ABS	L 02647	T	0	3	

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

POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM_Zone	Easting	Northing	Latitude
L 02647	Shallow	18S	37E	32	1	3	3				13	661175	3619684	32 42 14.28
L 02647 APPRO	Shallow	18S	37E	32	1	3	3							0 0 0

New Mexico Office of the State Engineer
Transaction Summary

Back

72121 All Applications Under Statute 72-12-1

Trn_nbr: 202915 **Trn_desc:**L 02647 **File Date:**09/17/1954

Primary status: PMT Permit
Secondary status: LOG Well Log Received
Person assigned: *******
Applicant: VIRGIL LINAM

Events

Date	Type	Description	Comment	Processed By
09/17/1954	APP	Application Received	*	******
10/14/1954	FIN	Final Action on application		******
10/14/1954	WAP	General Approval Letter		******
09/08/1955	LOG	Well Log Received	*	******

DB_File_Nbr	Acres	Diversion	Consumptive	Purpose of Use
L 02647	0	3	0	STK 72-12-1 LIVESTOCK WATERING

Point of Diversion
L 02647 18S 37E 32 NW SW SW in Lea County

Conditions

A :The maximum amount of water that may be appropriated under this permit is 3 acre-feet in any year.

D :The casing shall not exceed 7 inches outside diameter except under specific conditions in which reasons satisfactory to the State Engineer are shown.

4 :Use shall be limited to household, non-commercial trees, lawn and garden not to exceed one acre and/or stock use.

Action of the State Engineer
Approval Code: A Approved
Action Date: 10/14/1954
log due date: 09/30/1955
State Engineer:
By:

New Mexico Office of the State Engineer
Point of Diversion Summary

Back

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are biggest to smallest)

POD Number	Tws	Rng	Sec	q q q	Zone	X	Y
L 02647	18S	37E	32	1 3 3			

Driller Licence: 111 BURKE, EDWARD B.
Driller Name: BURKE, EDWARD B.
Source: Shallow
Drill Start Date: 08/30/1955
Drill Finish Date: 08/31/1955
Log File Date: 09/08/1955
PCW Received Date:
Pump Type:
Pipe Discharge Size:
Casing Size: 7
Estimated Yield:
Depth Well: 130
Depth Water: 35

Water Bearing Stratifications:	Top	Bottom	Description
	35	62	Other/Unknown
	71	87	Other/Unknown
	95	105	Other/Unknown
	105	130	Sandstone/Gravel/Conglomerate
Casing Perforations:	**Top**	**Bottom**	
	85	122	

New Mexico Office of the State Engineer

Water Right Summary

Back

DB File Nbr: L 02968
Primary Purpose: PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE
Primary Status: PMT Permit
Total Acres: 0
Total Diversion: 0
Owner: HUMBLE OIL & REFINING CO.
Contact: LLOYD O. WALDRON

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
72121	09/13/1955	CAN FIN ABS	L 02968	T	0	3	

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

Point of Diversion POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM_Zone	Easting	Northing	Latitude
L 02968		18S	37E	32	3	2	3				13	661585	3619287	32 42 1.18

New Mexico Office of the State Engineer
Transaction Summary

Back

72121 All Applications Under Statute 72-12-1

Trn_nbr: 203531 **Trn_desc:** L 02968 **File Date:** 08/25/1955

Primary status: CAN Cancelled Permit
Secondary status: FIN Finalized
Person assigned: *******
Applicant: HUMBLE OIL & REFINING CO.

Events

Date	Type	Description	Comment	Processed By
08/25/1955	APP	Application Received	*	******
09/13/1955	FIN	Final Action on application		******
09/13/1955	WAP	General Approval Letter		******
11/01/1956	FCN	Finalize Cancel of permit		******

DB_File_Nbr	Acres	Diversion	Consumptive	Purpose of Use
L 02968	0	3	0	PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE

Point of Diversion
L 02968 18S 37E 32 SW NE SW in Lea County

Remarks
TEMPORARY USE FOR OIL TEST.

Conditions

B :The well shall be drilled by a driller licensed in the State of New Mexico in accordance with Section 72-12-12 New Mexico Statutes Annotated. A licensed driller shall not be required for the construction of a driven well; provided, that the casing shall not exceed two and three-eighths (2 3/8) inches outside diameter (Section 72-12-12).

D :The casing shall not exceed 7 inches outside diameter except under specific conditions in which reasons satisfactory to the State Engineer are shown.

10 :Total diversion from all wells under this permit number shall not exceed 3 acre-feet per annum.

6 :The well shall be plugged upon completion of the permitted use, and a plugging report shall be filed with the State Engineer within 10 days.

Action of the State Engineer

Approval Code: A Approved
Action Date: 09/13/1955
log due date: 09/15/1956
State Engineer:
By:

New Mexico Office of the State Engineer

Water Right Summary

Back

DB File Nbr: L 06090
Primary Purpose: DOM 72-12-1 DOMESTIC ONE HOUSEHOLD
Primary Status: EXP Expired
Total Acres: 0
Total Diversion: 0
Owner: ROBERT E. GARCIA

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
72121	01/27/1967	EXP EXP CNV	CONVERSION L	060 T	0	0	

(qtr are 1=NW 2=NE 3=SW 4=SE)

Point of Diversion	(qtr are biggest to smallest						X Y are in Feet			UTM are in Meters)			
POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM_Zone	Easting	Northing	Latitude
L 06090 EXP		18S	37E	32	4	4					13	662498	3618997	32 41 48.04

New Mexico Office of the State Engineer

Transaction Summary

Back

72121 All Applications Under Statute 72-12-1

Trn_nbr: 117794 **Trn_desc:**CONVERSION L 06090 **File Date:**01/25/1967

Primary status: EXP Expired Permit
Secondary status: EXP Expired
Person assigned: null
Applicant: ROBERT E. GARCIA

Events

Date	Type	Description	Comment	Processed By
01/25/1967	CNV	Converted from Main Frame		******

DB_File_Nbr	Acres	Diversion	Consumptive	Purpose of Use
L 06090	0	0	0	DOM 72-12-1 DOMESTIC ONE HOUSEHOLD

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 19S Range: 37E Sections: 5

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

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POD / SURFACE DATA REPORT 10/29/2007

DB File Nbr	Use	(acre ft per annum) Diversion	Owner	POD Number	Source	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest Tws	Rng	Sec	q	q	q	X Y are in Zone

No Records found, try again

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 19S Range: 37E Sections: 6

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

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POD / SURFACE DATA REPORT 11/02/2007

(acre ft per annum)

DB File Nbr	Use	Diversion	Owner
L 02200	IND	650	NORTHERN NATURAL GAS CO
L 02601	PRO	3	CONTINENTAL OIL CO.
L 02695	PRO	3	THE TEXAS CO.

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

POD Number	Source	Tws	Rng	Sec	q q q
L 02200	Shallow	19S	37E	06	2
L 02200 S	Shallow	19S	37E	06	2 1
L 02201	Shallow	19S	37E	06	2 1
L 02601	Shallow	19S	37E	06	3 3
L 02695	Shallow	19S	37E	06	3 4 3
L 02695 APPRO	Shallow	19S	37E	06	3 4 3

Record Count: 6

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 19S Range: 37E Sections: 6

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

WATER COLUMN REPORT 10/29/2007

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are biggest to smallest)

POD Number	Tws	Rng	Sec	q	q	q	Zone	X	Y	Depth Well	Depth Water	Water Column (in feet)
L 02601	19S	37E	06	3	3					115		
L 02695 APPRO	19S	37E	06	3	4	3				100	50	50
L 02695	19S	37E	06	3	4	3				100	50	50

Record Count: 3

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 19S Range: 37E Sections: 6

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

AVERAGE DEPTH OF WATER REPORT 10/29/2007

								(Depth Water in Feet)		
Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	Min	Max	Avg
L	19S	37E	06				2	50	50	50

Record Count: 2

New Mexico Office of the State Engineer

Water Right Summary

Back

DB File Nbr: L 02200
Primary Purpose: IND INDUSTRIAL
Primary Status: LIC Licensed
Total Acres: 0
Total Diversion: 650
Owner: NORTHERN NATURAL GAS CO

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
COWNF	01/13/1967	CHG PRC ABS	L 02200 & L 2201	COM T	0	0	
LIC	06/04/1964	LIC PRC ABS	L 02200 & L 2201	COM T	0	650	650

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

POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM_Zone	Easting	Northing	Latitude	Lo
L 02200	Shallow	19S	37E	06	2						13	660690	3618350	32 41 21.57	103 1
L 02200 S	Shallow	19S	37E	06	2	1					13	660483	3618551	32 41 34.65	103 1
L 02201	Shallow	19S	37E	06	2	1					13	660483	3618551	32 41 34.65	103 1

Priority	Status	Acres	Diversion	POD Number	Source
05/14/1953	LIC	0	650	L 02200	Shallow
				L 02200 S	Shallow
				L 02201	Shallow

Place of Use (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest

Tws	Rng	Sec	q	q	q	Acres	Diversion	Consumptive	Use	Priority	Status	Other Location Description
19S	37E	06	2			0	650		IND	05/14/1953	LIC	

New Mexico Office of the State Engineer

Transaction Summary

Back

COWNF Change of Ownership Full

Trn_nbr: 331894 **Trn_desc:**L 02200 & L 2201 COMBINED **File Date:**01/13/1967

Primary status: CHG Change of Ownership
Secondary status: PRC Processed
Person assigned: *******
Applicant: NORTHERN NATURAL GAS CO

Events

Date	Type	Description	Comment	Processed By
01/13/1967	APP	Application Received		******
01/13/1967	FTN	Finalize non-published Trans.		******

DB_File_Nbr	Acres	Diversion	Consumptive	Purpose of Use
L 02200	0	0	0	IND INDUSTRIAL

New Mexico Office of the State Engineer

Transaction Summary

Back

LIC License

Trn_nbr: 331891 **Trn_desc:**L 02200 & L 2201 COMBINED **File Date:**06/04/1964

Primary status: LIC License
Secondary status: PRC Processed
Person assigned: *******
Applicant: PERMIAN BASIN PIPELINE COMPANY

Events

Date	Type	Description	Comment	Processed By
06/04/1964	APP	Application Received		******
06/04/1964	FTN	Finalize non-published Trans.		******

DB_File_Nbr	Acres	Diversion	Consumptive	Purpose of Use
L 02200	0	650	650	IND INDUSTRIAL

Point of Diversion

L	02200	19S 37E 06 NE in Lea	County
L	02200 S	19S 37E 06 NE NW in Lea	County
L	02201	19S 37E 06 NE NW in Lea	County

Place Of Use

Tws	Rng	Sec	q	q	q	q	Acres	Diversion	Consumptive	Use	Priority	Status	Other Location Descriptic
19S	37E	06	NE				0	650		IND	05/14/1953	LIC	

New Mexico Office of the State Engineer

Water Right Summary

Back

DB File Nbr: L 02601
Primary Purpose: PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE
Primary Status: PMT Permit
Total Acres: 0
Total Diversion: 3
Owner: CONTINENTAL OIL CO.
Contact: TED PHILLIPS

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
72121	08/16/1954	PMT LOG ABS	L 02601	T	0	3	

(qtr are 1=NW 2=NE 3=SW 4=SE)

Point of Diversion (qtr are biggest to smallest) X Y are in Feet UTM are in Meters)

POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM_Zone	Easting	Northing	Latitude	Lo
L 02601	Shallow	19S	37E	06	3	3					13	659706	3617346	32 40 55.93	103

New Mexico Office of the State Engineer
Transaction Summary

Back

72121 All Applications Under Statute 72-12-1

Trn_nbr: 202599 **Trn_desc:** L 02601 **File Date:** 07/28/1954

Primary status: PMT Permit
Secondary status: LOG Well Log Received
Person assigned: *******
Applicant: CONTINENTAL OIL CO.

Events

Date	Type	Description	Comment	Processed By
07/28/1954	APP	Application Received	*	******
08/16/1954	FIN	Final Action on application		******
08/16/1954	WAP	General Approval Letter		******
08/25/1954	LOG	Well Log Received	*PCW ONLY FILED 8/25/54	******

DB_File_Nbr	Acres	Diversion	Consumptive	Purpose of Use
L 02601	0	3	0	PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE

Point of Diversion
L 02601 19S 37E 06 SW SW in Lea County

Remarks
ET FILED 8/31/55 PLUGGING RECORD DUE 8/15/56. ET FILED 4/21/58 PLUGGING RECORD DUE 8/15/57. ET FILED 4/21/58 PLUGGING RECORD DUE 8/15/58. ET FILED 8/15/58 PLUGGING RECORD DUE 8/15/58.

Conditions
A :The maximum amount of water that may be appropriated under this permit is 3 acre-feet in any year.

D :The casing shall not exceed 7 inches outside diameter except under specific conditions in which reasons satisfactory to the State Engineer are shown.

6A :The oil well is to be plugged upon completion of the oil well drilling operations.

Action of the State Engineer

Approval Code: A Approved
Action Date: 08/16/1954
log due date: 08/15/1955
State Engineer:
By:

New Mexico Office of the State Engineer

Water Right Summary

Back

DB File Nbr: L 02695
Primary Purpose: PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE
Primary Status: PMT Permit
Total Acres: 0
Total Diversion: 3
Owner: THE TEXAS CO.

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
72121	12/20/1954	PMT LOG ABS	L 02695	T	0	3	

(qtr are 1=NW 2=NE 3=SW 4=SE)

Point of Diversion	(qtr are biggest to smallest						X Y are in Feet			UTM are in Meters)				
POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM_Zone	Easting	Northing	Latitude	Lo
L 02695	Shallow	19S	37E	06	3	4	3				13	659997	3617244	32 40 55.69	103 1
L 02695 APPRO	Shallow	19S	37E	06	3	4	3				13	659997	3617244	32 40 55.69	103 1

New Mexico Office of the State Engineer

Transaction Summary

Back

72121 All Applications Under Statute 72-12-1

Trn_nbr: 203088 **Trn_desc:**L 02695 **File Date:**11/23/1954

Primary status: PMT Permit
Secondary status: LOG Well Log Received
Person assigned: *******
Applicant: THE TEXAS CO.

Events

Date	Type	Description	Comment	Processed By
11/23/1954	APP	Application Received	*	******
12/20/1954	FIN	Final Action on application		******
12/20/1954	WAP	General Approval Letter		******
01/31/1955	LOG	Well Log Received	*PCW FILED 1-31-1955	******

DB_File_Nbr	Acres	Diversion	Consumptive	Purpose of Use
L 02695	0	3	0	PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE

Point of Diversion

L 02695 19S 37E 06 SW SE SW in Lea County

Remarks

ET. FOR PLUGGING FILED 12-19-1955 DUE 12-15-1956, 12-20-1956 DUE 12-15-1957, 12-18-1957 DUE 12-15-1958, 01-21-1959 TO 12-15-1959, 01-13-1960 DUE 12-15-1960, 12-21-1960 DUE 12-15-1961.

Conditions

B :The well shall be drilled by a driller licensed in the State of New Mexico in accordance with Section 72-12-12 New Mexico Statutes Annotated. A licensed driller shall not be required for the construction of a driven well; provided, that the casing shall not exceed two and three-eighths (2 3/8) inches outside diameter (Section 72-12-12).

D :The casing shall not exceed 7 inches outside diameter except under specific conditions in which reasons satisfactory to the State Engineer are shown.

10 :Total diversion from all wells under this permit number shall not exceed 3 acre-feet per annum.

6 :The well shall be plugged upon completion of the permitted use, and a plugging report shall be filed with the State Engineer within 10 days.

Action of the State Engineer

Approval Code: A Approved
Action Date: 12/20/1954
log due date: 12/15/1955
State Engineer:
By:

New Mexico Office of the State Engineer
Point of Diversion Summary

Back

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are biggest to smallest)

POD Number	Tws	Rng	Sec	q	q	q	Zone	X	Y
L 02695	19S	37E	06	3	4	3			

Driller Licence: 99 O.R. MUSSELWHITE WATER WELL SE
Driller Name: MUSSELWHITE, O.R. **Source:** Shallow
Drill Start Date: 12/13/1954 **Drill Finish Date:** 12/14/1954
Log File Date: 01/31/1955 **PCW Received Date:** 01/31/1955
Pump Type: **Pipe Discharge Size:**
Casing Size: 7 **Estimated Yield:**
Depth Well: 100 **Depth Water:** 50

Water Bearing Stratifications:	Top	Bottom	Description
	65	70	Shale/Mudstone/Siltstone
	95	100	Shallow Alluvium/Basin Fill

Casing Perforations:	Top	Bottom
	60	100

Attachment 9

Signed Affidavit

MNOCD Hydrotest

Surveyor: Gabe Valdes, Project Scientist, CH2M HILL

Survey Date: July 24, 2007

I, Gabe Valdes, surveyed the proposed pipeline alignment and proposed hydrotest discharge location at the southern terminus. The area surrounding the discharge location is disturbed and relatively void of any topographical features. The nearest visible structures are industrial facilities.

The discharge location is not within 200 feet of a watercourse, lakebed, sinkhole, or playa. Additionally, the discharge location is not within 500 feet from a permanent residence, school, hospital, institution, or church.

Gabe Valdes 10/22/07

Gabe Valdes Date

Attachment 10

Surface Mines

Keiser, Jeff/MKE

From: Poche, Snapper/CHC
Sent: Monday, September 17, 2007 5:24 PM
To: Keiser, Jeff/MKE
Subject: FW: Potential Sub-surface Mines in Lea County

Hi Jeff,

This should be added to the MarkWest Discharge NOI.

-----Original Message-----
From: Maureen Wilks [mailto:mwilks@gis.nmt.edu]
Sent: Monday, September 17, 2007 9:53 AM
To: Poche, Snapper/CHC
Subject: Re: Potential Sub-surface Mines in Lea County

Snapper.Poche@CH2M.com wrote:
> Hi Dr. Wilks,
>
> We spoke several weeks ago about potential subsurface mines that may
> occur in the area of a water discharge site associated with a natural
> gas pipeline testing in Lea County. Specifically, the site in
> question is in the SE SE Quarter-quarter of Section 31, Township 18
> South, Range 37 East, NMPM, Lea County (approximately 10 miles west of
> Hobbs, NM). The pipeline testing is associated with the installation
> of the MarkWest New Mexico, L.P. Pipeline Project.
>
> As part of the siting and permitting requirements for this discharge,
> the NM Oil Conservation Division (OCD) has requested that the
> applicant provide written confirmation that the discharge location is
> not within the area of a subsurface mine. Can you please review the
> attached map of the proposed discharge site and verify that this
> location does not fall within the area of a subsurface mine? An email
> response will satisfy for the OCD requirements.
>
> Thanks in advance for your help in this matter. If you have any
> questions or concern, please don't hesitate to contact me immediately.
> Your assistance in this matter is greatly appreciated.
>
> Thanks again,
> Snapper Poche
>
>
>
> */Albert "Snapper" Poche/*
> Environmental Scientist
>
> CH2M HILL
> 125 S. Wacker Drive, Suite 3000
> Chicago, IL 60606
> direct 312-873-9763
> office 312-873-9800
> fax 312-873-9801
> mobile 985-351-9573
>
Snapper

I have checked our Mines Database, which is a work in progress with mines being added to this database as they are located. However at the present time we show no underground mine workings in Sections 24 and 25, Township 18 South, Range 36 East and Sections 30 and 31, Township

Sincerely

Maureen

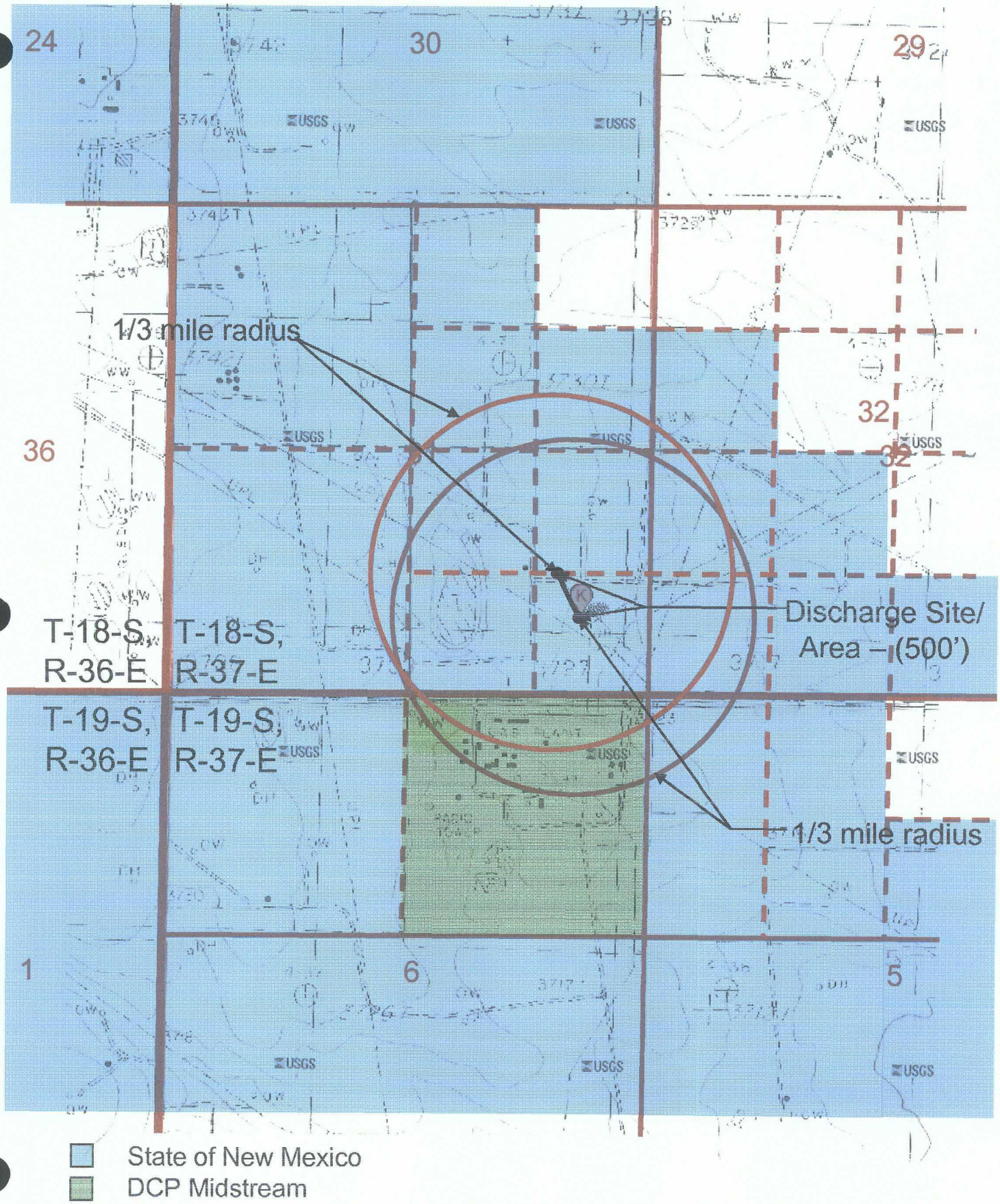
Maureen Wilks, Ph.D. <mwilks@gis.nmt.edu Geological Librarian, Director Information Center New Mexico Bureau Geology and Mineral Resources
801 Leroy Place
Socorro, NM 87801

Tel: 505 835-5322
Fax: 505 835-6333

Attachment 11

Landowners

Hobbs Plant to Maddox Road
Discharge Site & 1/3 mile radius.



Markwest Pinnacle, LP
October 25, 2007
Lea County New Mexico

LEGAL DESCRIPTION	SURFACE OWNER	ADDRESS	TENANT INFORMATION	Within 1/3 mile of Discharge
Section 24 T18S R36E All	310 Old Santa Fe Trail Santa Fe NM 87501	310 Old Santa Fe Trail Santa Fe NM 87501	All- Snyder Ranches, P.O. Box 2158, Hobbs, NM 88240	No
Section 30 T18S R37E S/2	State Land	310 Old Santa Fe Trail Santa Fe NM 87501	S/2- AC Ranch – 817 Grimes, Hobbs, NM 88240	No
Section 31 T18S R37E NW/4NE/4, S/2NE/4, NW/4, S/2	State Land	310 Old Santa Fe Trail Santa Fe NM 87501	All- Bruce Alene Carlin Estate- c/o Timothy J. Carlin- P.O. Box 188, Monument, NM 88265	Yes
Section 32 T18S R37E S/2, SW/4NW/4	State Land	310 Old Santa Fe Trail Santa Fe NM 87501	All- Bruce Alene Carlin Estate- c/o Timothy J. Carlin- P.O. Box 188, Monument, NM 88265	Yes
Section 1 T19S R36E All	State Land	310 Old Santa Fe Trail Santa Fe NM 87501	N/2 Betty Baum Cooper – P.O. Box 55, Monument, NM 88265 S/2 James H. Foley - 513 Chaparral Drive, Belen, NM 87002	No
Section 6 T19S R37E NE/4	DCP Midstream	P.O. Box 1642 Houston TX 77251		Yes
Section 6 T19S R37E NW/4, S/2	State Land	310 Old Santa Fe Trail Santa Fe NM 87501	All- James H. Foley - 513 Chaparral Drive, Belen, NM 87002	No
Section 5 T19S R37E S/2NE/4, NW/4, S/2	State Land	310 Old Santa Fe Trail Santa Fe NM 87501	All- Bruce Alene Carlin Estate- c/o Timothy J. Carlin- P.O. Box 188, Monument, NM 88265	No

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

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

September 5, 2007

Mr. Bruce Gillick
MarkWest New Mexico L.P.
1515 Arapahoe Street
Tower 2, Suite 700
Denver, Colorado 80202-2126

Re: Notice of Intent to Hydrostatically Test and Discharge
MarkWest New Mexico L.P. Pipeline Project
SE ¼, SE ¼ of Section 31, Township 18 South, Range 37 East, NMPM,
Lea County, New Mexico

Dear Mr. Gillick:

The New Mexico Oil Conservation Division (OCD) has received the MarkWest New Mexico L.P.'s (MarkWest) notice of intent (NOI) submitted on MarkWest's behalf by CH2M HILL, dated August 30, 2007, to hydrostatically test a new 3.25 mile section of 16-inch natural gas pipeline that extends between the Hobbs Power Plant and the existing Northern Natural Gas Company pipeline, approximately 9.5 miles west of Hobbs, New Mexico. The NOI does not provide the sufficient details for the OCD to properly assess and make a determination. The OCD recommends that the format of the NOI follow the format of the OCD January 11, 2007 "Guidelines For Hydrostatic Test Dewatering" to ensure the submittal of the NOI is complete and comprehensive.

The following request for additional information is based upon MarkWest's August 30, 2007 submittal.

Draft Public Notice: The proposed information provided in the draft public notice does not satisfy the requirements of Section 3108 of 20.6.2 NMAC. Please provide the required information of Subsection F of 20.6.2.3108 NMAC in the public notice. Also, please acknowledge the tasks required in Subsections A and B of 20.6.2.3108 NMAC to provide adequate public notice.

Page 2, Section 1.0 Introduction: Please identify the use of the pipeline (transportation or production), and determination of the waste streams (RCRA exempt or non-exempt) generated from the related activities of the hydrostatic test event.

Page 2, Section 2.0 Discharge Location: Please provide site specific maps that illustrate and establish the easement right-of-way of the proposed discharge location area. Please reference the location of the supporting maps in this section.

Page 2, Section 2.2.1 Environmental Characteristics of the Discharge Site: The OCD January 11, 2007 "Guidelines For Hydrostatic Test Dewatering" requires a demonstration of compliance for each of the siting criteria. General statements are not considered demonstrations. The environmental survey report, referenced as the demonstration of compliance for many of the siting criteria, indicates that the method assessment is based upon a 100-foot environmental survey limit. Many of the siting criteria require a 200 to 500 foot setback assessment. The environmental survey report also fails to provide an adequate map to identify the establishment of the easement right-of-way from which point the100-foot environmental survey limit extends. The 100-foot environmental survey limit of the environmental survey report does provide a proper assessment.

Please provide site specific maps illustrating the proposed collection and potential discharge location of the hydrostatic test wastewater. The site specific maps should demonstrate the topography of the proposed collection and potential discharge location. If the proposed method of disposal involves the discharge of hydrostatic test wastewater along the pipeline right-of-way, a map of the pipeline right-of-way is required to demonstrate compliance to the siting criteria. If the pipeline right-of-way extends beyond the proposed collection and temporary storage initial legal description, the legal description must be modified to include the pipeline right-of-way of the potential discharge.

Page 2, Section 2.2.1 Wetlands: It is difficult to determine if a wetland is within 500 feet of the proposed discharge location area since the area is not defined or properly identified on a site specific map in the submittal and the method assessment of the environmental survey report is based upon a 100-foot environmental survey limit. The comment above regarding the wetland assessment address the OCD difficulty in determining if the proposed discharge or collection site is within 200 feet of a watercourse, lakebed, sinkhole or playa lake or within 500 feet from the nearest permanent residence, school, hospital, institution or church.

Please provide site-specific topographical maps in order to demonstrate that the proposed discharge or collection site is not within 200 feet of a watercourse, lakebed, sinkhole or playa lake. Please review the New Mexico Water Quality Control Commission definition in Subsection BBB of 20.6.2.7 NMAC, for clarification of a "watercourse." Please extend the100-foot environmental survey limit to 500 feet and reassess in order to demonstrate compliance with the wetland siting criterion.

Please provide the most recent available site specific aerial photo of the proposed discharge or collection site in order to demonstrate that the proposed location is not within 500 feet from the nearest permanent residence, school, hospital, institution or church.

A summary statement, certified by the person who completes a visual field survey of the proposed discharge or collection site, may be utilized to support the requested demonstrations for the siting criteria. The certification statement should identify the person who completed the

visual field survey, provide the date of the survey, identify the proposed discharged area surveyed (supported by a map), and provide a signed statement of compliance or non-compliance regarding each siting criterion.

Page 3, Section 2.2.2 Floodplains: Please provide a site-specific FEMA map that demonstrates the proposed discharge or collection sites are not within a 100-year floodplain. Please provide a copy of the FEMA map which resulted from the August 15, 2007 investigation of the Federal Emergency Management Agency's Map Service Center website search for this demonstration.

Page 3, Section 2.2.3 Wellhead Protection Area: The OCD defines "wellhead protection area" in Paragraph (11) of Subsection W of 19.15.1.7 NMAC. Please review the definition to determine if a proper assessment has been considered. Please provide a site-specific map that illustrates the location of documented or observed wells near the proposed discharge or collection site. Also, please provide copies of well logs of the identified well, if available. A proper demonstration shall include the results of a search of the NM Office of the State Engineers WATERS database and hardcopy library files and shall include a summary and certification of a visual field survey of the proposed discharge or collection site.

Page 3, Section 2.2.4 Subsurface Mines: Please provide a letter or email and map from the NM Bureau of Mines and Minerals, which confirms that the proposed discharge or collection site is not within an area overlying a subsurface mine. Based upon the information provided on the telephone conversation record of August 23, 2007, the record indicated that the database search resulted in the nearest subsurface mine in T22S, R34E, S35, four miles south of the proposed discharge site. A review of the legal description provided for the nearest subsurface mine demonstrated that the mine is over 25 miles from the discharge. The difference of 21 miles presents questions about the area of assessment. Please provide a letter or email and map from the NM Bureau of Mines and Minerals, which *confirms that the proposed discharge or collection site* is not within an area overlying a subsurface mine. The letter or email should identify the area of assessment.

Page 3, Section 2.2.5 Geologic Characteristics of Discharge Site: Please provide the depth of the ground water most likely to be affected (the proposed discharge area) by the discharge.

Page 6, Section 3.1 Hydrostatic Test Wastewater Sampling: Please provide a site specific map that demonstrates the locations of which the municipal water will enter the pipeline, a sample will be obtained, and the wastewater discharged. Please reference the map in the response. Will a field or method blank be utilized for quality assurance? If so, please provide the details in the sampling plan.

Page 6, Section 3.2 Discharge Activities: Please clarify the last statement of the first paragraph. Is it out of sequence? Please provide site specific maps illustrating the proposed collection and potential discharge location of the hydrostatic test wastewater. Please describe the methods that will be implemented to contain the discharge within the easement right-of-way.

Page 7, Section 3.3 Alternate Discharge Plan: Please provide the operational details and best management practices that will be implemented in the transfer of wastewater from the pipeline to the trucks for off-site disposal, if the wastewater does satisfy the standards specified in Section 3103 of 20.6.2 NMAC. Please identify the required qualifications of the hauler to transport the wastewater. The NOI suggests that the wastewater generated from the hydrostatic test could be classified as RCRA non-exempt waste. Please confirm this assessment. If the wastewater generated from the hydrostatic test is RCRA non-exempt waste, Basic Energy Services is not permitted to accept RCRA non-exempt waste for disposal in their SWD well. Please propose a different disposal facility for approval. Also, please identify the testing parameters required for acceptance.

Page 7, Section 3.4 Adjacent Landowners: Please provide site specific maps illustrating the proposed collection and potential discharge location of the hydrostatic test wastewater. The site specific maps should demonstrate the topography of the proposed collection and potential discharge location. If the proposed method of disposal involves the discharge of hydrostatic test wastewater along the pipeline right-of-way, a map of the pipeline right-of-way is required. Please demonstrate the results of the Lea County Assessors Office records review on a map and identify the adjacent landowners and parties within one-third of a mile of the established easement right-of-way that will require public notice.

Figures: Please provide site specific maps illustrating the proposed collection and potential discharge location of the hydrostatic test wastewater. The site specific maps should demonstrate the topography of the proposed collection and potential discharge location. If the proposed method of disposal involves the discharge of hydrostatic test wastewater along the pipeline right-of-way, a map of the pipeline right-of-way is required to demonstrate compliance to the siting criteria. If the pipeline right-of-way extends beyond the proposed collection and temporary storage initial legal description, the legal description must be modified to include the pipeline right-of-way of the potential discharge.

Figure 1-1: Please provide a legible version of this map that also identifies the proposed new pipeline in the legend.

Figure 1-2: The regional topographic map suggests that a playa lake may be the proximity of the proposed right-of-way and discharge location. Please provide a site specific map that demonstrates the proposed discharge location satisfies the siting criteria.

Figure 2-3: Please indicate the proposed discharge location on the groundwater contour map and provide the topographical contour grade to demonstrate the depth of groundwater at the proposed discharge location.

Environmental Survey Report: The environmental survey report, referenced as the demonstration of compliance for many of the siting criteria, indicates that the method assessment is based upon a 100-foot environmental survey limit. Many of the siting criteria require a 200 to 500 foot setback assessment. The environmental survey report also fails to provide an adequate map to identify the establishment of the easement right-of-way from which point the100-foot

environmental survey limit extends. The 100-foot environmental survey limit of the environmental survey report does provide a proper assessment.

Telephone Conversation Record: Please provide a letter or email and map from the NM Bureau of Mines and Minerals, which *confirms that the proposed discharge or collection site* is not within an area overlying a subsurface mine. The letter or email should identify the area of assessment.

August 15, 2007 Email Response: Darren Padilla of the New Mexico Environment Department identified three wells within the proximity of the DCP Midstream – Linam Plant south of the proposed discharge location. The locations of these wells are not identified on any of the maps for consideration of the compliance demonstration to the siting criteria. Also, the OCD defines "wellhead protection area" in Paragraph (11) of Subsection W of 19.15.1.7 NMAC. Please review the definition to determine if a proper assessment has been considered.

Any and all general statements in the NOI must be supported by a citation of publication. Copies of all cited pages must be provided for verification of the accuracy of the general statements. 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

Attachment: January 11, 2007 "Guidelines For Hydrostatic Test Dewatering"

cc: OCD District I Office, Hobbs, NM – w/o attachment
Jeff Keiser, Project Manager, CH2M HILL, Milwaukee, WI 53214 – w/o attachment

ACKNOWLEDGEMENT OF RECEIPT
OF CHECK/CASH

I hereby acknowledge receipt of check No. _____ dated 8/28/07

or cash received on _____ in the amount of $ 100.00

from MarkWest

for HIP-108

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

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

Received in ASD by: _____ Date: _____

Filing Fee ✓ New Facility _____ Renewal _____

Modification _____ Other _____

Organization Code 521.07 Applicable FY 2004

To be deposited in the Water Quality Management Fund.

Full Payment _____ or Annual Increment _____

CH2M HILL
135 South 84th Street
Suite 325
Milwaukee, WI 53214-1476
Tel 414.272.2426
Fax 414.272.4408

CH2MHILL

August 30, 2007

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

Subject: Notice of Intent for Hydrostatic Test Dewatering

Attached is a Notice of Intent for Discharge of Hydrostatic Test Water (NOI). The attached NOI was prepared on behalf of MarkWest New Mexico, L.P. for hydrostatic testing of the proposed 3.5 mile MarkWest New Mexico, L.P. Pipeline Project. The NOI was prepared utilizing the "Guidelines for Hydrostatic Test Dewatering" Revised January 11, 2007.

Included in this transmittal is a check for $100 made out to the "Water Quality Management Fund" to cover the application fee and a draft public notice.

Should you have any questions regarding this NOI, please contact me at:

CH2M HILL
135 South 84th Street
Suite 300
Milwaukee, WI 53214
Phone: 414 847-0382

Sincerely,

CH2M HILL

Jeff Keiser
Project Manager

MKE/Hydro Transmittal.doc

Enclosures

c: Bruce Gillick/MarkWest
David Williams/MarkWest
Mathew Rick/John and Hengerer
Elizabeth Zembruski/John and Hengerer

MarkWest PNG Utility L.P.
1515 Arapahoe Street
Tower 2, Suite 700
Denver, CO 80202
303-925-9200

VENDOR NAME	VENDOR NO.	DATE	CHECK NUMBER	AMOUNT
NEW MEXICO WATER QUALITY FUND	**6028**	**Aug-28-2007**	**1637**	**$100.00**

VOUCHER	VENDOR INV #	INV DATE	TOTAL AMOUNT	PRIOR PMTS & DISCOUNTS	NET AMOUNT
08-AP-43	08282007	08/28/07	100.00	0.00	100.00
HYDROTESS DISCHARGE PERMITS AT HOBBS, NM					
TOTAL INVOICES PAID					100.00

Mark West New Mexico, L.P.
announces a
Hydrostatic Water Discharge
for the
MarkWest New Mexico L.P Pipeline Project
Lea County, NM

Mark West New Mexico, L.P. is proposing to release approximately **195,000 gallons** of water that will have been used to hydrostatically test their newly installed MarkWest New Mexico, L.P. Pipeline. The discharge will occur between November 1 and December 31, 2007 onto the ground within the ROW easement at the southern terminus of the Hobbs Pipeline. This is located at N 32 41' 57.52", W 103 17' 04.53", approximately ten (10) miles west Hobbs, NM.

From downtown Hobbs, the discharge site can be reached by driving West on US-62/US-180 for approximately 9.4 miles. The discharge site, located near a red and white cattle guard on the north side of the highway, is approximately 600 feet from the road.

The water to be discharged will have been tested and demonstrated to meet NM Water Quality Control Commission Regulation standards. Best management practices will be used to minimize spillage and soil erosion.

Any public comments regarding the proposed discharge should be directed to:

Brad Jones
New Mexico Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505
505-476-3487

Hydrostatic Test Discharge Notice of Intent

MarkWest New Mexico, L.P. Pipeline Project

Hobbs, New Mexico

Prepared for:

MarkWest New Mexico, L.P.
1515 Arapahoe Street
Tower 2, Suite 700
Denver, CO 80202-2126

Prepared by:

CH2MHILL
135 S 84th Street
Suite 325
Milwaukee, WI 53214

August 2007

1.0 Introduction

This document shall serve as the Notice of Intent (NOI) to discharge water used in the hydrostatic testing of the MarkWest New Mexico L.P. (MarkWest) Pipeline Project (Project). The Project will involve the installation of approximately 3.25 miles of 16-inch steel pipeline connecting the Hobbs Power Plant and the existing Northern Natural Gas Company pipeline.

The hydrostatic test of the newly installed pipeline shall use less than 195,000 gallons of municipal water acquired from Eunice, New Mexico. Upon completion of the test, the water will remain in the pipeline until test results have demonstrated WQCC standards. After the water has been verified for to meet WQCC standards it will be extracted from the pipeline and discharged within the ROW on the southern terminus of the pipeline.

Project Site

The Project area is located in southeastern New Mexico in T18S R37E Sections 31 & 30 and T18S R36E Sections 25 & 24 (Figure 1-1). The proposed pipeline route is approximately 10 miles west of the town of Hobbs and crosses New Mexico State Lands and private property. The route is approximately 3.25 miles long with an average elevation of 3750 feet. A 100-foot wide construction right-of-way corridor was field surveyed, for environmental and cultural resources. Leases for a 30-feet wide permanent easement are being obtained for the new pipeline.

2.0 Discharge Location

After completion of the hydrostatic testing and water sampling requirements, the discharge water will be extracted near mile post 0+00 (N 32 41' 57.52"
W 103 17' 04.53") at the extreme south end of the pipeline in S31/T18S /R37E (Figure 1-2). All of the water will be discharged within the existing MarkWest easement.

From downtown Hobbs, the discharge site can be reached by driving West on US-62/US-180 for approximately 9.4 miles. The site, located near a red and white cattle guard on the north side of the highway, is approximately 600 feet from the road. The discharge site is across from the Duke Energy Linam Ranch Plant, 11525 West Carlsbad Highway, Hobbs, New Mexico.

2.1 Environmental Characteristics of the Discharge Site

2.1.1 Wetlands

CH2M HILL (MarkWest Consultant) completed an environmental field survey of the pipeline right-of-way on July 24, 2007 (Attachment 1). No wetland, watercourse, lakebed, sinkhole or playa lake is located within 200 feet of the discharge location. No permanent residence, school, hospital, institution or church is within 500 feet from the discharge location.

2.2.2 Floodplains

An investigation of the Federal Emergency Management Agency's Map Service Center on August 15, 2007 at www.msc.fema.gov demonstrated that no 100-year flood plain/FIRM maps were available for the discharge location. Based on the topography, results of the environmental field survey, and the lack of watercourse in the area, it can be reasonably assumed that the discharge location does not fall within a flood plain.

2.2.3 Wellhead Protection Areas

Darren Padilla, a hydrologist from the Drinking Water Bureau of the New Mexico Environment Department, has confirmed that the MarkWest pipeline does not occur near surface water systems or associated watersheds. Likewise, no sole source aquifers were identified. Agency correspondence are included in Attachment 2.

The database search did indicate that three wellhead protection areas exist near the project site, but that the exact location of the wellheads relative to the pipeline could not be determine. As indicated in Attachment 1, however, a physical survey of the entire pipeline demonstrated the absence of any wells or springs within 500 feet of the pipeline.

2.2.4 Subsurface Mines

Maureen Wilks, Geologic Librarian for the NM Bureau of Mines and Mineral Resources, conducted a database search for subsurface mines in Lea County, NM

Based upon information from her search, the nearest sub-surface mine to the project site, a uranium stoltz mine, is in T22S R34E S35, which is over four miles south of the discharge site.

2.2.5 Geologic Characteristics of Discharge Site

According to available literature resources, the discharge site and associated groundwater wellfield are located above the High Plains (Ogallala) aquifer, which is a subdivision of the Ogallala aquifer system that underlies 174,000 square miles in parts of Colorado, Kansas, Nebraska, New Mexico, Oklahoma, South Dakota, Texas, and Wyoming (Figure 2-1). The portion of the Ogallala aquifer near Hobbs is located on the extreme western edge of the aquifer. Records indicate that the Ogallala aquifer is the principal water-producing formation in Lea County and that groundwater is the only viable source of water in Lea County (Musharrafieh and Chudnoff, 1999).

The Ogallala aquifer is generally composed of unconsolidated and poorly sorted gravel, sand, silt, and clay of Tertiary or Quaternary age (Musharrafieh and Chudnoff, 1999). Calcium carbonate acts to cement the Ogallala sediments forming a caliche cap rock near the top of the formation and this caliche cap extends over most of the Ogallala aquifer (Ash, 1963). Cementation also is found within the formation, but generally decreases with depth until it becomes negligible at depths of 35 to 50 feet below ground surface (bgs) (Ash, 1963). The Dockum Formation or "red beds" underlie the Ogallala aquifer in Lea County and act as a relatively impermeable barrier that restricts the downward movement of groundwater (Havens, 1966). A geologic cross-section was prepared for the area near the HGS based on available well driller's logs (Figures 2-2 and 2-3). This cross-section shows that the Ogallala

aquifer increases in saturated thickness to the north and that a caliche cap rock of approximately 15- to 40-feet thick covers the site..

The Ogallala aquifer is unconfined in Lea County and the water table slopes approximately 12 feet per mile to the southeast (McAda, 1984). It is reported that the saturated thickness of the aquifer in Lea County ranges from 0 to slightly more than 200 feet (Hart and McAda, 1985). The depth to the water table ranges from less than 20 feet near Four Lakes in the northern part of Lea County and Monument in the southern part of Lea County, to more than 250 feet along Mescalero Ridge in the western portion of Lea County (Musharrafieh and Chudnoff, 1999). Groundwater recharge is less than 0.5 inches per year with only 3 to 4 percent of precipitation reaching the water table (Theis, 1932; 1934; and 1937).

Groundwater samples were collected from nearby wells in the area. Table 2-1 presents a summary of the analytical results from those samples. The table includes nearby dissolved solids in the groundwater, which ranged from 310-430 mg/L.

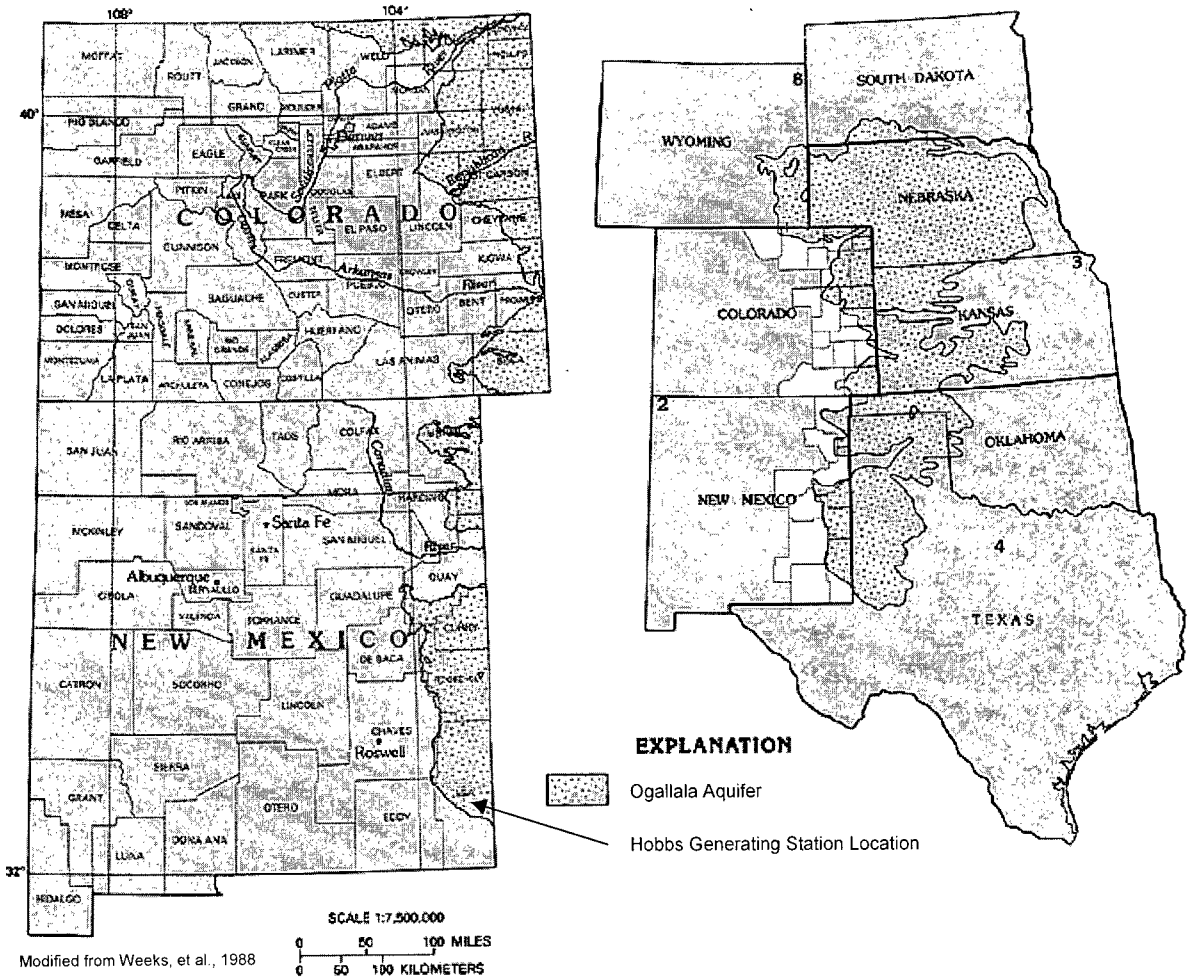


FIGURE 2-1
Location of Hobbs Generating Station within the Ogallala Aquifer

3.0 Discharge Activities

Upon completion of installation of new natural gas pipeline, the line is tested before it is put into service to ensure there are no leaks. The line is tested by filling the pipe with clean water, pressurizing the line and monitoring to make sure there is no drop in pressure. Water used for the hydrostatic test will be obtained from the municipal water source of Eunice, NM. Approximately 195,000 gallons of water will be trucked to the MarkWest pipeline site. The water source is used for drinking, and has been verified to meet potable standards for contamination.

3.1 Hydrostatic Test Wastewater Sampling

Approximately ten days prior to the proposed hydrostatic testing date, a water sample will be collected from the Eunice municipal water source. The water will be sent to a NM-state certified lab to test for the presence of radium. Because of the lengthy testing procedure for radium and because there is no evidence to suggest that the pipeline will contaminate the water during testing, this radium test will obviate the need for radium testing prior to discharge of the hydrostatic water. Upon receipt of the radium lab results, they will be forwarded to the NM OCD.

Hydrostatic testing is expected to occur sometime in between November 1 and December 31, 2007 upon completion of pipeline installation.

On the date of the hydrostatic test, after water has been injected into the pipeline and prior to testing, a single sample will be drawn from the southern end of the pipeline MP 0+00 opposite end of the pipeline in which the water entered. A two-inch tap will be inserted to the line with a valve to facilitate testing. A clean bottle obtained from the testing laboratory will be filled from the tap and used to fill the individual sample bottles. Vials used for volatile organic compound sampling will be filled to overflowing and capped so that no airspace is present. This method will avoid spilling preservative that will be included in the sample bottles obtained from Laboratory. The sample bottles will immediately be sealed, cooled to 4^0-celsious, and shipped to a NM state-certified analytical lab. The lab will analyze the sample to ensure compliance with Subsections A, B, and C of the 20.6.2.3103 NMAC. No duplicate samples will be collected as part of the analysis. The results of these tests, when available, will be forwarded to the NM Oil Conservation Division for final approval of discharge. During the time that water testing is being conducted, the water will be held within the Project pipeline.

At the conclusion of testing, the discharge water is expected to meet WQCC standards without having to be treated.

3.2 Discharge Activities

After the test water has been verified to meet WQCC standards, it will be discharged within the pipeline ROW. A hose will be attached to the pipeline and extended to ensure discharge into the ROW only. The water will then be extracted from the pipeline and exit at the site of the hose terminus. Care will be taken to avoid accidental spillage or discharge when transferring the water from the tanks into pipe.

The following BMPs will be implemented to minimize negative effects of the discharge and to control soil erosion:

- A localized discharge site will be chosen with maximum existing vegetation.
- An energy dispersing device will be used to reduce the rate of water flow from the pipe.
- Hay bales will be installed in the discharge area to reduce erosion, trap suspended solids and increase dissipation.

3.3 Alternative Discharge Plan

If the testing results demonstrate contaminants are present in the water, the water will be extracted from the pipeline, treated, and then transported by Basic Energy Services for treatment or disposal.

3.4 Adjacent Landowners

The discharge will occur within the MarkWest pipeline ROW easement exclusively, which is located in the SESE quarter-quarter of Section 31. Property surrounding that easement belongs to the State of New Mexico with Bruce Alene Carlin Est. serving as the lessee. Notification of the discharge will be sent to all landowners within one-third of a mile of the boundary of the ROW easement. Notification letters will be sent to:

- State of New Mexico Lessee
  James H. Foley
  513 Chaparral Dr
  Belen, NM 87002

- State of New Mexico Lessee
  Bruce Alene Carlin Est.
  PO Box 188
  Monument, NM 88265

- Duke Energy Lnam Ranch Plant
  11525 West Carlsbad Highway
  Hobbs, New Mexico 88240

4.0 References

Ash, S.R., 1963, *Ground-Water Conditions in Northern Lea County, New Mexico:* U.S. Geological Survey, Hydrologic Investigations, Atlas HA-62, Scale 1:250,000

Boggs, S. 1987. Principles of Sedimentology and Stratigraphy. Englewood Cliffs, New Jersey. Prentice Hall International.

CH2M HILL. 2007. Field investigations along the alignment conducted by CH2M HILL on July 16, 2007.

Havens, J.S., 1966, Recharge *Studies on the High Plans in Northern Lea County, New Mexico*: U.S. Geological Survey, Water supply Paper 1819-F

Musharrafieh, G. and M. Chudnoff, 1999, *Numerical Simulation of Groundwater Flow for Water Rights Administration in the Lea County Underground Water Basin, New Mexico:* New Mexico Office of the State Engineer, Hydrology Bureau Report 99-1, January.

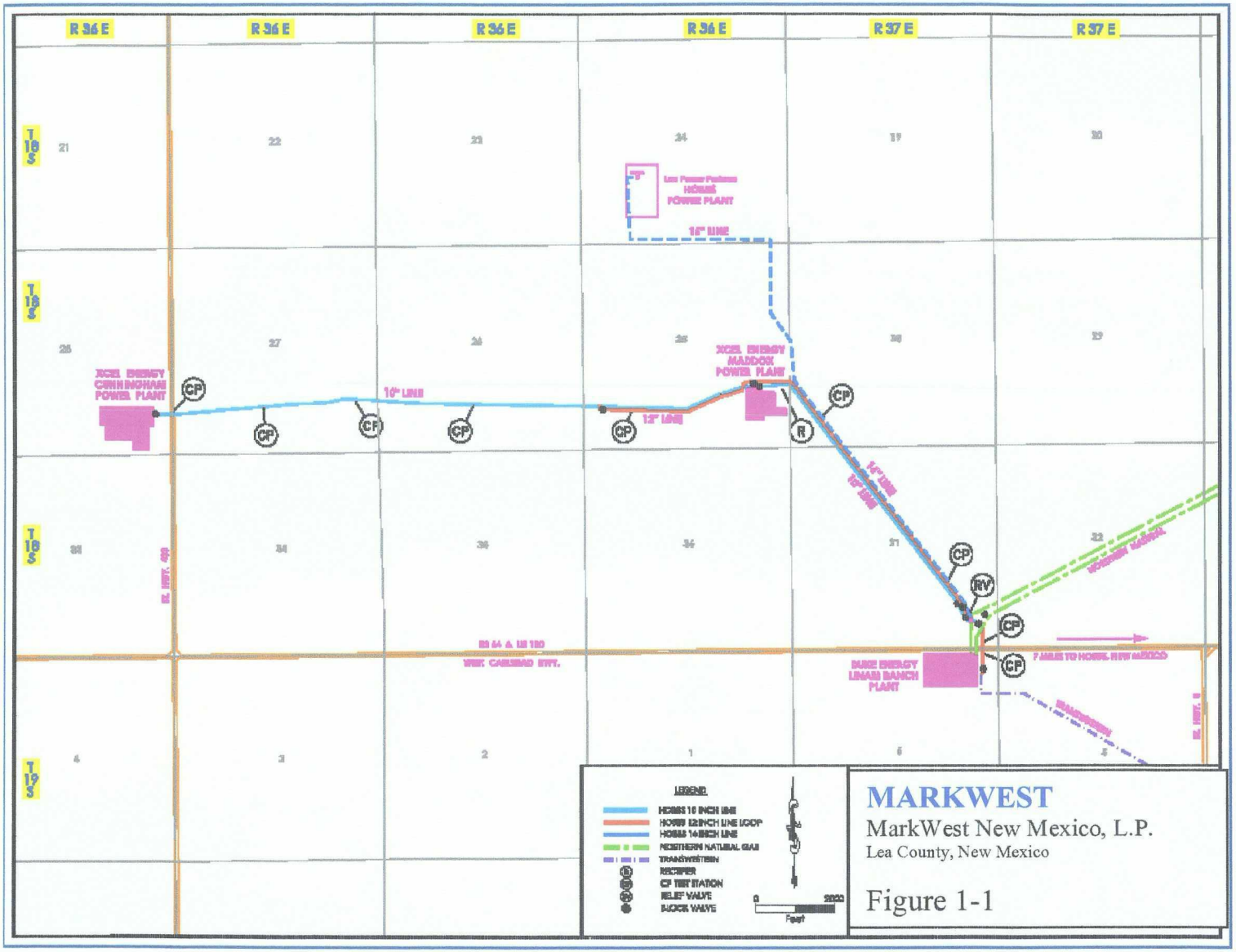
Tables

Table 2-1 Groundwater Total Dissolved Solids Concentrations (TDS) EPA Method 160.1

Well	Quantitation Limit Limit	Date	Concentration	Units
Well 2	20	1/3/2007	430	mg/L
Well 4	20	1/5/2007	340	mg/L
Well 5	20	12/13/2006	310	mg/L
Well 6	20	1/4/2007	330	mg/L
Well 7	20	1/9/2007	330	mg/L
	20	1/12/2007	330	mg/L
Well 8	20	12/12/2006	330	mg/L
	20	12/13/2006	330	mg/L

EPA - U.S. Environmental Protection Agency
mg/L - milligram per liter

Figures



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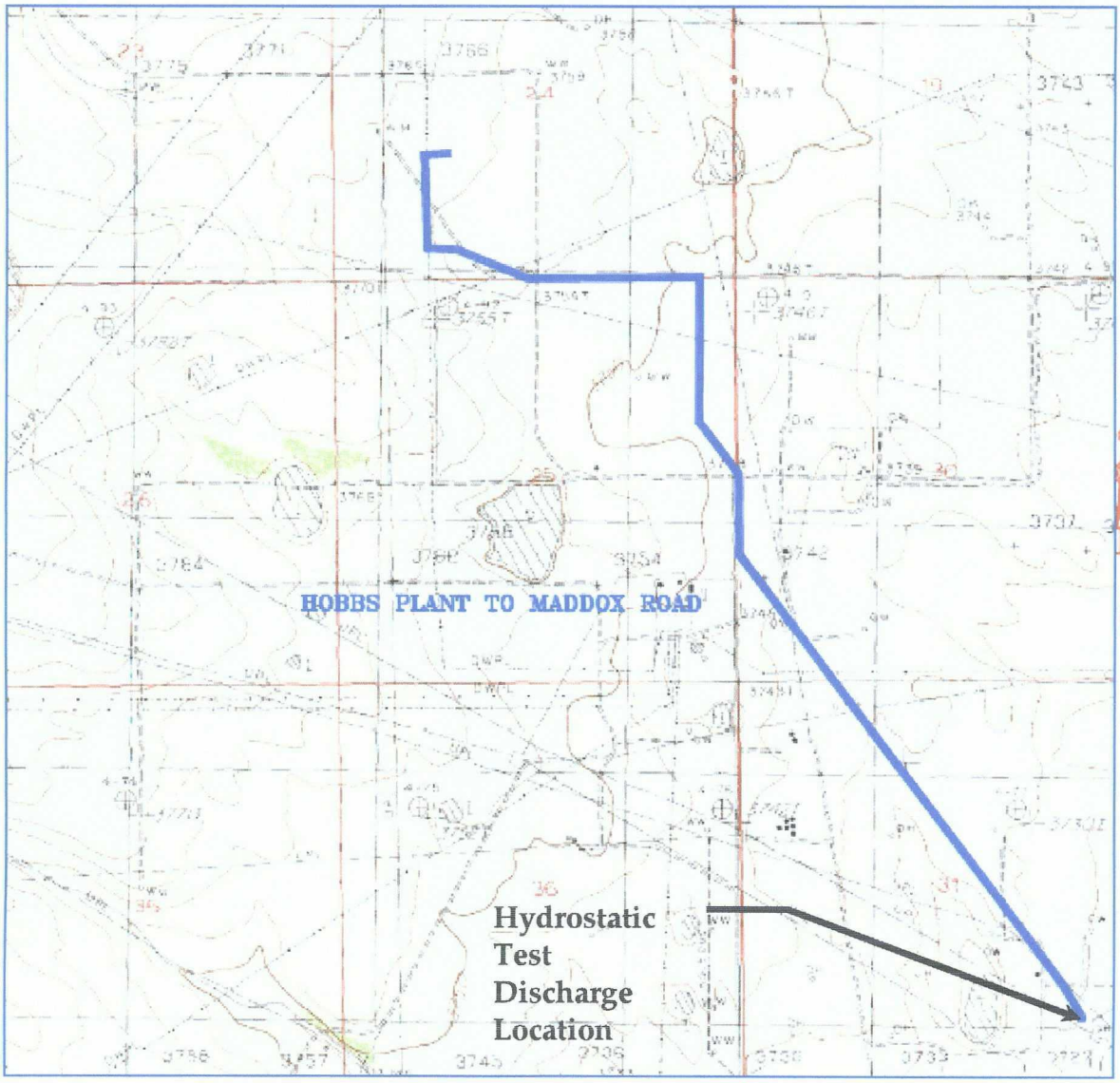


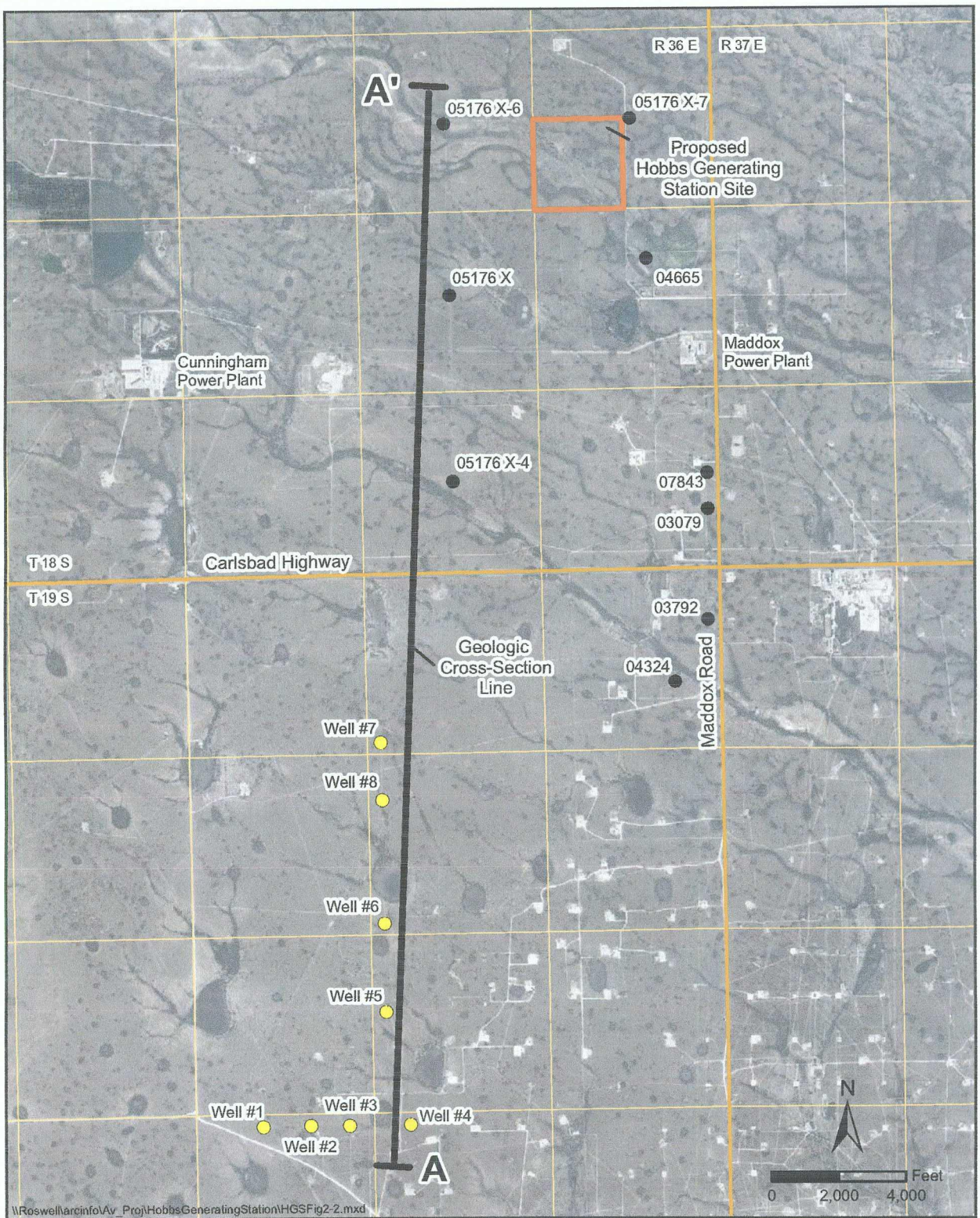
PROPOSED PIPELINE FROM HOBBS PLANT TO MADDOX ROAD
Sections 24&25, Township 18 South, Range 36 East,
& Sections 30&31, Township 18 South, Range 37 East,
N.M.P.M., Lea County, New Mexico.

basin surveys
focused on excellence in the oilfield
P.O. Box 1786
1120 N. West County Rd.
Hobbs, New Mexico 88241
(505) 393-7316 - Office
(505) 392-3074 - Fax
basinsurveys.com

W.O. Number:	18299
Survey Date:	07/20/07
Scale:	1" = 2000'
Date:	07/23/07

MARKWEST
NEW MEXICO
LP

Figure 1-2 Regional Map



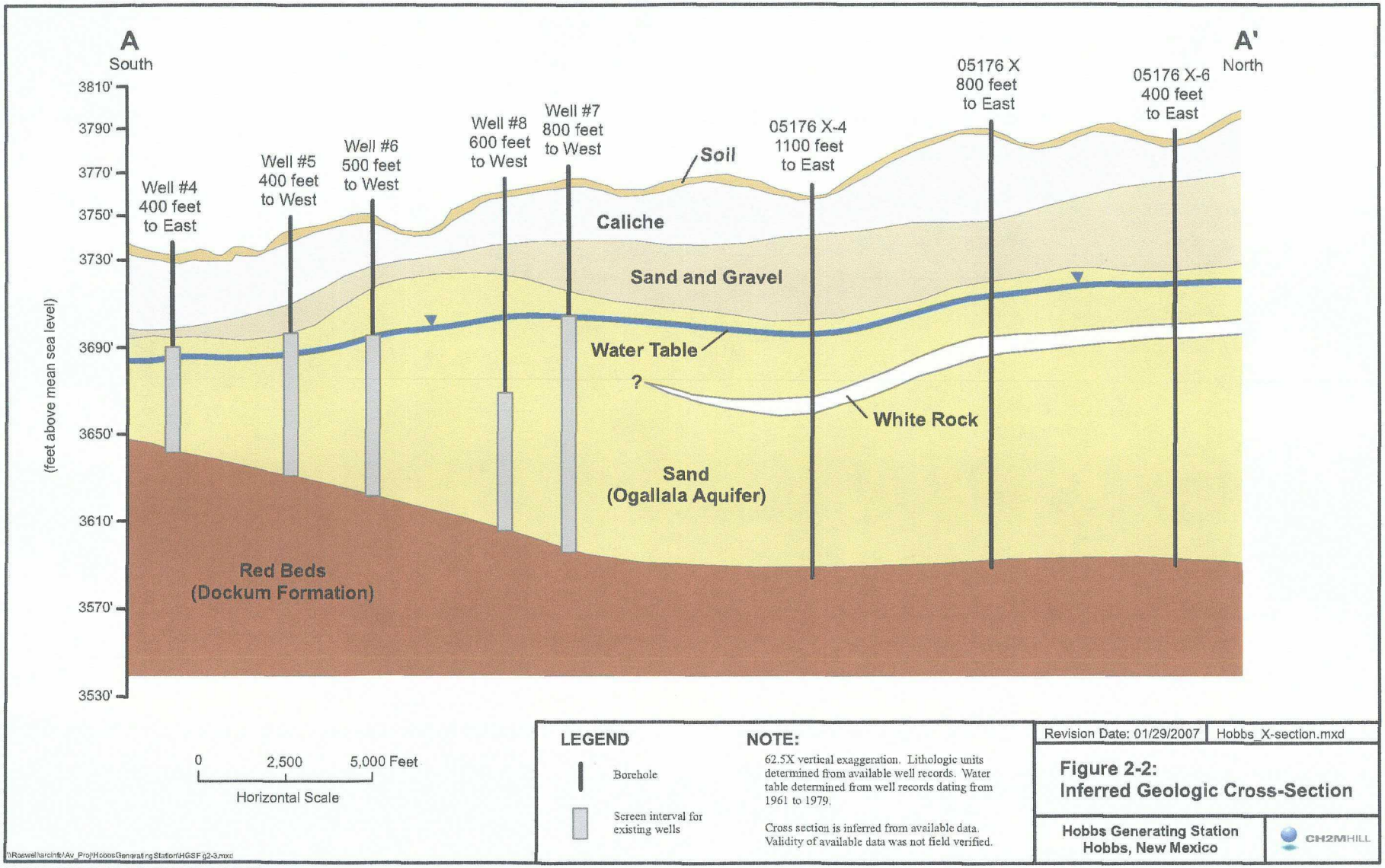
Legend

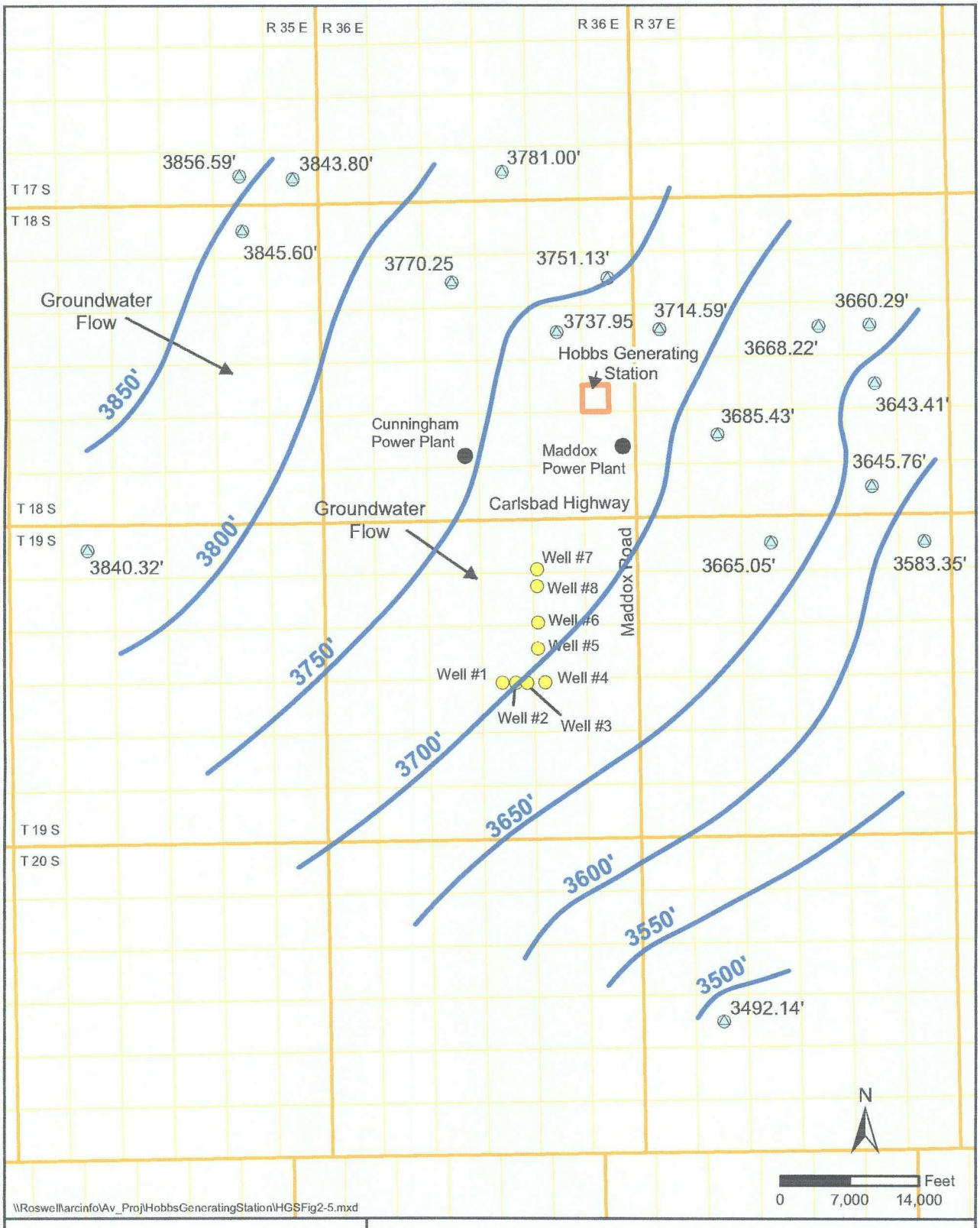
- Existing Production Well
- Area Groundwater Well

Figure 2-1:
Geologic Cross-Section Location Map

Hobbs Generating Station
Hobbs, New Mexico

CH2MHILL


A
South
A'
North
3810'
3790'
3770'
3750'
3730'
3690'
3650'
3610'
3570'
3530'
(feet above mean sea level)
Well #4
400 feet
to East
Well #5
400 feet
to West
Well #6
500 feet
to West
Well #8
600 feet
to West
Well #7
800 feet
to West
Soil
05176 X-4
1100 feet
to East
05176 X
800 feet
to East
05176 X-6
400 feet
to East
Caliche
Sand and Gravel
Water Table
?
White Rock
Sand
(Ogallala Aquifer)
Red Beds
(Dockum Formation)
0
2,500
5,000 Feet
Horizontal Scale
LEGEND
Borehole
Screen interval for existing wells
NOTE:
62.5X vertical exaggeration. Lithologic units determined from available well records. Water table determined from well records dating from 1961 to 1979.
Cross section is inferred from available data. Validity of available data was not field verified.
Revision Date: 01/29/2007
Hobbs_X-section.mxd
Figure 2-2:
Inferred Geologic Cross-Section
Hobbs Generating Station
Hobbs, New Mexico
CH2MHILL
\\Roswell\arcinfo\Av_Proj\HobbsGeneratingStation\HGSFg2-3.mxd



Legend

- Existing Production Well
- USGS Monitoring Well
- Groundwater Elevation (ft amsl) Source: USGS, 2006

Figure 2-3: Groundwater Contour Map (January - February, 1996)

Hobbs Generation Project
Hobbs, New Mexico

CH2MHILL

Appendix 1

Environmental Field Report

Environmental Survey Report

MarkWest New Mexico, L.P. Plant Pipeline Project

Hobbs, New Mexico

Prepared for:

MarkWest New Mexico, L.P.
1515 Arapahoe Street
Tower 2, Suite 700
Denver, CO 80202-2126

Prepared by:

CH2MHILL
135 South 84th Street
Milwaukee, Wisconsin 53214

August 2007

1.0 Introduction

MarkWest New Mexico, L.P. (MarkWest) proposes to construct a natural gas pipeline in Lea County, New Mexico (the Project). The Project involves construction of approximately 3.25 miles of 16-inch diameter natural gas pipeline. The proposed pipeline will tie into an existing Northern Natural Gas Company (Northern Natural) pipeline at its southern terminus and will extend to the proposed Hobbs Power Plant at its northern terminus. A meter station will be constructed at the southern terminus where the pipeline connects to the Northern Natural pipeline.

A field survey of the proposed pipeline was performed to evaluate the environmental impacts from construction of the proposed line.

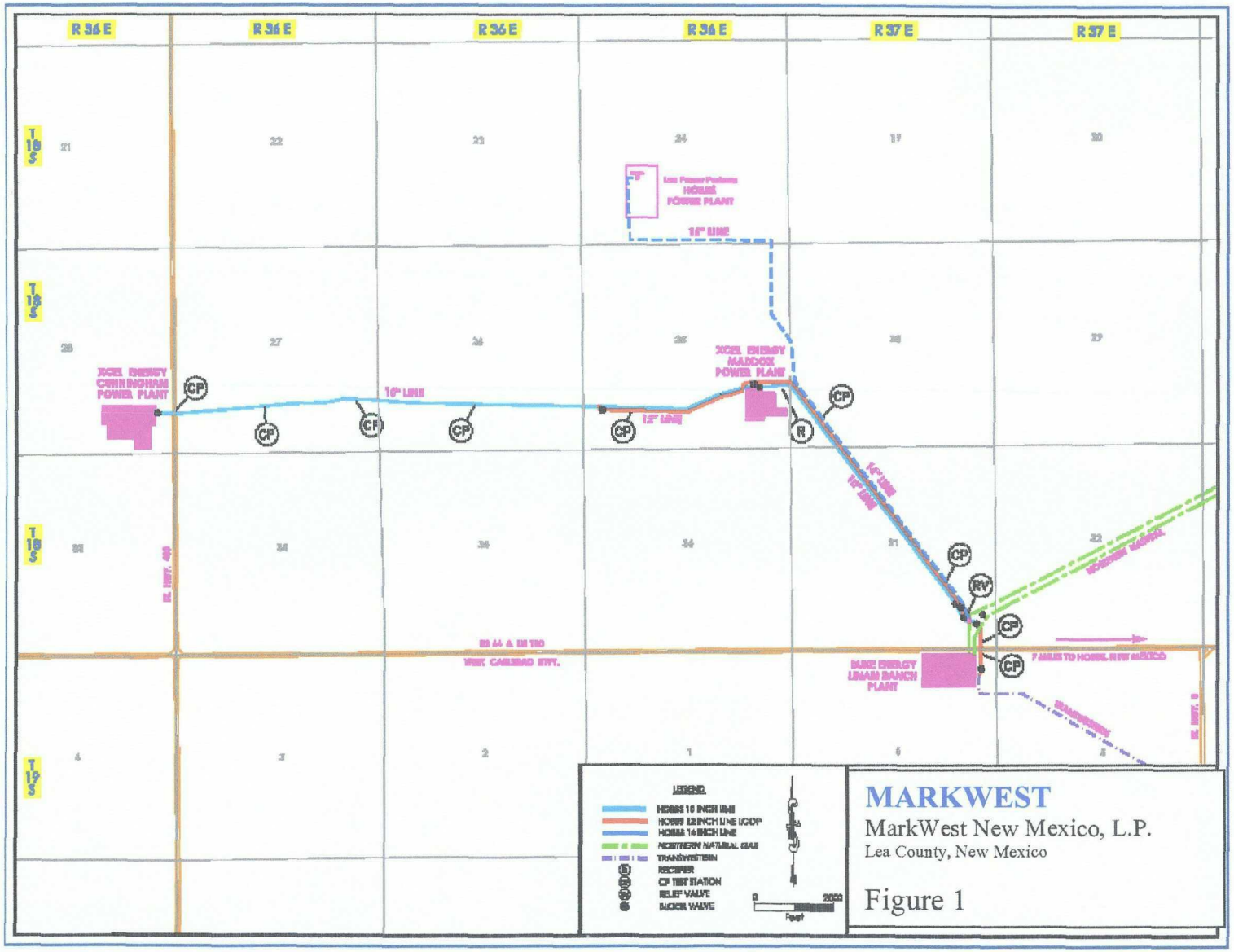
The purpose of this evaluation includes the following:

- Delineate potential jurisdictional Waters of the U.S. and Wetlands.
- Review of the U.S. Fish and Wildlife Service's (USFWS) list of federally-listed species in Lea County to determine those that may potentially occur along the pipeline corridor.
- Evaluate habitat suitability for federally listed species along the pipeline corridor.

Project Area

The project area is located in southeastern New Mexico in T18S R37E Sections 31 & 30 and T18S R36E Sections 25 & 24 (Figure 1). The proposed route is approximately 10 miles west of the town of Hobbs, New Mexico. The route is approximately 3.25 miles long with an average elevation of 3750 feet. A 100-foot wide corridor was used as the project area for both construction and operational phases.

Hobbs, New Mexico lies within the Chihuahuan Desert. Typical shrubs of the desert include cacti, yucca, mesquite, and javelina bush. Soils in the region consist primarily of sandy loam soil types with a few portions of clay loam soils. The area has a moderate four-season climate with frequent rain from June through September which accounts for over half of the annual precipitation. The average annual rainfall is approximately 15 inches per year. The average temperature for the area is 62° F.



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2.0 Waters of the U.S. and Wetland Delineations

Guidelines for Jurisdictional Determinations in the Arid Southwest

Arid climates, such as those that occur in the southwestern United States, are characterized by low annual rainfall, minimal soil moisture content and high rates of evapotranspiration. Rainfall is both temporally and spatially variable; therefore, most drainage systems in the arid southwest flow only during storm events and remain dry for the remainder of the year. The prevalence of short, high magnitude storm flows result in the formation of braided channels that exhibit variable levels of discharge and constantly changing channel morphology.

Due to the potential difficulties with determining the jurisdictional status of systems with variable characteristics (e.g., flow rates, channel morphology, channel configuration etc.), the U.S. Army Corps of Engineers (USACE) has published guidelines for the jurisdictional determination of dryland fluvial systems in the arid southwest.

According to the USACE's guidance, the horizontal extent of Section 404 jurisdiction usually includes the active stream channel(s) and flood terraces immediately adjacent to the active channel(s). The following factors should be considered when determining jurisdictional extent: flow regime, geomorphic feature and general indicators of surface flow. Flow regimes that are considered valid jurisdictional indicators include perennial, intermittent, or ephemeral surface flows, and perennial, intermittent or ephemeral standing water. A variety of geomorphic features may be considered jurisdictional, including lakes, depressional wetlands, arroyos desert washes, mud flats and vegetative shallows. However, for the purposes of assessing jurisdiction, it is important that the type of the geomorphic feature and flow regime are consistent. Indicators of surface flow are also used to assess jurisdiction; these include natural scour lines along the bank, recent bank erosion, disturbance of terrestrial vegetation, and the presence of litter and debris. For example, the presence of continuous well-developed upland vegetation in a channel is a good indicator that it only conveys surface flow during extremely large storm events and, as a result, would not likely constitute a jurisdictional Water of the United States. However, the presence of native riparian species in a dry wash is generally a good indicator that the channel usually supports surface flow during both small and moderate storm events. Other, less-commonly used indicators include cracked mud, surface staining (due to ponded water) and algal crusts.

Jurisdictional determination should consider the physical characteristics of dryland fluvial systems, as described above, such that the horizontal extent of jurisdiction includes small to moderate storm events, but is not so expansive that it incorporates field evidence from the 25-year, 50-year or 100-year storm event. In addition, braided streams can exhibit a small low flow channel from short-term recessional flows; however, any jurisdictional determination of a Waters of the United States should incorporate physical evidence associated with small to moderate storm events, not evidence from recessional flows.

Methods

A Waters of the U.S./wetland delineation was conducted by a CH2M HILL biologist on July 24, 2007. The field wetland delineation followed the methods described in the USACE Wetlands Delineation Manual (USACE, 1987) and the Interim Regional Supplement to the USACE Wetland Delineation Manual: Arid West Region (USACE, 2006). Sampling locations would be established at all areas within the 100-foot environmental survey limits along the proposed alignment where a potential water feature was observed or where a blue line feature was shown on the U.S. Geological Survey topographic quadrangle maps. At each sample location, information on the type of geomorphic feature, apparent flow regime, and any indicators of recent flow would be noted on USACE Arid West delineation data sheets.

Results

No USACE jurisdictional waters were located along the proposed alignment. No sample locations were recorded within the 100-foot environmental study limits along the proposed alignment. There are no potential water features and no topographic map blue lines crossed by the proposed right-of-way. Representative photos were taken and are provided in Appendix A.

For the purpose of hydrostatic testing of the pipe, water would be discharged at the southern terminus of the pipeline. This area of the pipe is not:

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

3.0 Threatened and Endangered Species

Methods

A list of special status species potentially occurring in Lea County was obtained from the U.S. Fish and Wildlife Service (USFWS) and the New Mexico Game and Fish Department (NMGFD) Biota Information System (BISON-M). These lists were examined prior to field surveys to assess potential species occurrences in the project corridor.

Habitat suitability evaluations for special status species were based on qualitative comparisons between habitat requirements of each species and habitats found along the proposed route and well locations. Thirteen species were included on the list provided by the USFWS of threatened, endangered, and species of concern potentially occurring in Lea County. Appendix B of this document contains a list of species considered from both the USFWS and BISON-M, along with descriptions of habitat associations for each species and presence/absence determinations.

Field surveys were conducted on July 24, 2007, to determine if the species included in the USFWS and NMGFD lists or their potential habitats were present within the project area. Additionally, the importance of biological resources in the area was generally evaluated.

The survey was accessed from existing roads. The survey area was 100-feet wide along the proposed pipeline route and allows for adequate space for temporary work areas needed to install the pipeline.

Results and Discussion

Vegetation at the site is characteristic of semi-desert grasslands, as defined by Brown (1994). Vegetation identified on site includes honey mesquite (*Prosopis glandulosa*), buffalo grass (*Buchloe dactyloides*), feather grass (*Stipa neomexicana*), sand dropseed (*Sporobolus cryptandrus*), and broom snakeweed (*Gutierrezia sarothrae*).

The southern end of the proposed ROW, Sections 31 and 30, parallels an existing pipeline. This area is contains vegetation consistent with previously disturbed areas such as Russian thistle (*Salsola kali*). This portion of the ROW also contains a maintained access road. The portion of the proposed ROW within Section 25 is on agricultural land and runs north in-between two crop fields. The ROW then turns west along a fence line to the power plant site. This area is very disturbed and dominated by invasive species such as Russian thistle and silverleaf nightshade (*Solanum elaeagnifolium*). Honey mesquite, broom snakeweed, and various grasses mentioned above are scattered throughout the project survey area.

Wildlife observed during the survey includes the Western kingbird (*Tyrannus verticalis*), and white-tailed jackrabbit (*Lepus townsendii*). Cattle were present and have access to most of the ROW. There are no special habitat features within the survey area to support special status species and no critical habitat occurs in the project area.

Western burrowing owls (*Athene cunicularia hypugaea*), a Species of Concern, are present near the project area but outside the area of disturbance. The owls are located in a small black-tailed prairie dog (*Cynomys ludovicianus*) colony in the southwest corner of Section 24, immediately east of the northern end of the survey area. The area is fenced and signed to prevent any disturbance to the owls. The burrowing owls will not be affected by the proposed construction activities.

It was determined that no threatened, endangered, or species of concern would be adversely affected by the proposed project.

4.0 Literature Cited

Brown, David E. 1994. *Biotic Communities Southwestern United States and Northwestern Mexico.* University of Utah Press, Salt Lake City.

U.S. Army Corps of Engineers. 1987. Waterways Experiment Station. *Corps of Engineers Wetlands Delineation Manual.* Online Edition. Wetlands Research Program Technical Report Y-87-1. Vicksburg MS. January. Available at http://www.spk.usace.army.mil/cespk-co/regulatory/delineation-info.html.

U.S. Army Corps of Engineers. 2006. Interim Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region.

APPENDIX A.

Representative Photographs

Photo 1. Northern end of proposed route facing east.
UTM location: 13 658586E 3622182N

Photo 2. Eastern end of Section 24 facing south.
UTM location: 13 659241E 3622182N

Photo 3. Agricultural field in eastern end of Section 25 facing north.
UTM location: 13 659248E 3621608N

Photo 4. Grassland with mesquite and broom snakeweed facing south.
UTM location: 13 659408E 3621380N

Photo 5. Grassland/broom snakeweed facing southeast. Previously disturbed ROW.
UTM location: 13 659398E 3621087N

Photo 6. Parallel to existing pipeline ROW facing southeast.
UTM location: 13 659398E 3620744N

Photo 7. Southern endpoint of proposed ROW facing northwest.
UTM location: 13 660803E 3619244N

APPENDIX B.

List of Special Status Species Considered

APPENDIX B

USFWS Listed and Sensitive Species in Lea County, Species Habitat Association in Area, and Presence/ Absence of Suitable Habitat in the Project Area

Species	Scientific Name	Status	Habitat Association	Presence/ Absence of Suitable Habitat
Lesser prairie-chicken	*Tympanuchus pallidicinctus*	C	Sand shinnery vegetation communities, dominated by dwarf shinnery oak and grasses	Absent
Sand dune lizard	*Sceloporus arenicolus*	C	Sand dune blowouts in areas dominated by shinnery oak	Absent
Northern apolomado falcon	*Falco femoralis septentrionalis*	E	Coastal prairies and desert grasslands with scattered yuccas and mesquites; oak woodlands and riparian gallery forests in midst of desert grassland; distribution is primarily in Mexico	Absent No yuccas present
Black-footed ferret	*Mustela nigripes*	E	Limited to open habitat, the same habitat used by prairie dogs: grasslands, steppe, and shrub steppe; need at least 80-acres of prairie dog town	Absent No large (80-acre) prairie dog colonies.
Bald eagle	*Haliaeetus leucocephalus*	T	Aquatic habitats with some open water, may occur in arid regions depending on foraging opportunities	Absent
American peregrine falcon	*Falco peregrinus anatum*	SOC	Cliffs and generally open landscapes for foraging	Absent
Arctic peregrine falcon	*Falco peregrinus tundrius*	SOC	Cliffs and generally open landscapes for foraging	Absent

Species	Scientific Name	Status	Habitat Association	Presence/ Absence of Suitable Habitat
Baird's sparrow	*Ammodramus bairdii*	SOC	Mixed-grass and fescue prairie with scattered low shrubs and residual vegetation from previous year's growing season; ungrazed to moderately grazed tracts of native prairie with little shrub cover	Absent
Bell's vireo	*Vireo bellii*	SOC	Dense, low, shrubby vegetation, in riparian areas, brushy fields, second-growth forest or woodland, scrub oak, and mesquite brushlands, often near water in arid regions	Absent
Western burrowing owl	*Athene cunicularia hypugaea*	SOC	Dry, open, shortgrass, treeless plains, often associated with burrowing mammals	Present adjacent to project route
Yellow-billed cuckoo	*Coccyzus americanus*	SOC	Open woodland with clearings and low, dense, scrubby vegetation; often associated with watercourses	Absent
Black-tailed prairie dog	*Cynomys ludovicianus*	SOC	Dry, flat or gently sloping, open grasslands with low, relatively sparse vegetation	Present adjacent to project route
Swift Fox	*Vulpes velox*	SOC	Open prairie and arid plains, including areas intermixed with winter wheat fields	Absent

E= Federally endangered; T= Federally threatened; C= Federal candidate for listing; SOC= Species of Concern

NMDGF BISON-M Listed Species in Lea County, Species Habitat Association in Area, and Presence/ Absence of Suitable Habitat in the Project Area

Species	Scientific Name	Status	Habitat Association	Presence/ Absence of Suitable Habitat
Sand dune lizard	*Sceloporus arenicolus*	E	Sand dune blowouts in areas dominated by shinnery oak	Absent
Bald eagle	*Haliaeetus leucocephalus*	T	Rural woodland in mixed and shortgrass prairie; mixed-species riparian woodlands; mesquite and oak shrub prairie and savanna	Absent
Northern apolomado falcon	*Falco femoralis septentrionalis*	E	Coastal prairies and desert grasslands with scattered yuccas and mesquites; oak woodlands and riparian gallery forests in midst of desert grassland; distribution is primarily in Mexico	Absent
American peregrine falcon	*Falco peregrinus anatum*	T	Cliffs and generally open landscapes for foraging	Absent
Broad-billed hummingbird	*Cynanthus latirostris magicus*	T	In U.S., mostly limited in summer to rocky canyons in desert-like mountain habitats. Foothills, canyons, arroyos, along streams, in or near desert habitat.	Absent
Baird's sparrow	*Ammodramus bairdii*	T	Mixed-grass and fescue prairie with scattered low shrubs and residual vegetation from previous year's growing season; ungrazed to moderately grazed tracts of native prairie with little shrub cover	Absent
Least tern	*Sterna antillarum athalassos*	E	Interior populations nest mainly on riverine sandbars or salt flats that become exposed during periods of low water	Absent
Bell's vireo	*Vireo bellii arizonae*	T	Dense, low, shrubby vegetation, in riparian areas, brushy fields, second-growth forest or woodland, scrub oak, and mesquite brushlands, often near water in arid regions	Absent

E= Endangered; T= Threatened

Appendix 2

Agency Correspondence

CH2MHILL TELEPHONE CONVERSATION RECORD

Call To:	Maureen Wilks, Geologic Librarian at the NM Bureau		of Mines and Mineral Resources
Phone No.:	505-835-5322	**Date:**	August 23, 2007
Call From:	Snapper Poche	**Time:**	05:39 PM
Message Taken By:	CH2M HILL		

Subject: Sub-surface mining near the Hobbs Pipeline Discharge Site

Maureen Wilks (mwilks@gis.nmt.edu), Geologic Librarian for the Bureau of Mines and Mineral Resources, conducted a database search for subsurface mines in Lea County, NM

Based upon information from her database search, the nearest sub-surface mine to the project site, a uranium stoltz mine, is in T22S R34E S35, which is over four miles south of the discharge site.

Keiser, Jeff/MKE

From: Padilla, Darren, NMENV [darren.padilla@state.nm.us]
Sent: Wednesday, August 15, 2007 3:24 PM
To: Wilcox, Corey/MKE
Cc: Keiser, Jeff/MKE
Subject: RE: MarkWest Hobbs Pipeline Project Information Request

Hi Corey,

The following information is what we identified near your project. If you need more information about the water systems we identified, you can look at the public version of our drinking water database with this link: www.safewater.state.nm.us. Let me know if this information meets your needs.

Darren

Markwest Pipeline

No surface water systems and associated watersheds are near the project.
No Sole Source Aquifers identified. Please confirm with EPA Region 6 in Dallas, TX.
Three water systems identified with wellhead protection areas near
the project.
Due to difficulties in determining the exact path of the pipeline it was decided to include wells (source water protection area could be affected by the pipeline. Water systems and associated wells identified near the project:

NM3580513
DCP Midstream - Linam Plant

Well #3

Well #4

Well #5

NM3556913
DCP Midstream - Eunice Plant

Well #10

Well #11

NM3592913
Xcel Energy (SPS) Maddox Station #9

Well #1

Well #3

Well #4

Well #5

Well #9

Darren J. Padilla
Hydrologist
Drinking Water Bureau
NM Environment Dept.
Phone: 505/476-8631
Fax: 505/827-7545

From: Corey.Wilcox@CH2M.com [mailto:Corey.Wilcox@CH2M.com]
Sent: Monday, August 13, 2007 1:03 PM
To: Padilla, Darren, NMENV
Cc: jeff.keiser@ch2m.com
Subject: MarkWest Hobbs Pipeline Project Information Request

Darren,

As we discussed on the phone Friday the 10th, MarkWest LP (MarkWest) proposes to construct a natural gas pipeline in Lea County, New Mexico. I have attached a regional location map of the project area showing the proposed pipeline as a dashed blue line. The project crosses portions of sections 24, 25, 30 and 31 of Township 18S Ranges 36E and 37E. The Project involves construction of approximately 3.5 miles of 16-inch diameter natural gas pipeline. The proposed pipeline will tie into an existing Northern Natural pipeline at it's southern terminus and will extend the Hobbs Power Plant at its northern terminus. A meter station will be constructed at the southern terminus where the pipeline connects to the Northern Natural Pipeline. MarkWest is applying to the Federal Energy Regulatory Commission (FERC or Commission) for construction authority pursuant to Section 7 (b) of the Natural Gas Act (NGA). As such, MarkWest is requesting your review of the project area to confirm that none of the following are located within 1/4 mile of or will be affected by the Project construction work area:

- wellhead protection areas and private, community, public, industrial, and commercial water supply wells and springs
- public watershed areas
- USEPA or State-designated Sole Source Aquifers

If there is additional resource data (hydrology, geology, etc.) that you feel would be germane to the proposed Project we would appreciate you bringing it to our attention. If you have any questions regarding this request or need additional information please call me at 414-272-2426 ext. 40356.

Thank You.

Corey Wilcox
Associate Scientist
Environmental Services
135 S 84th St. Suite 325
Milwaukee, WI 53214

USA
Phone: 414-272-2426 ext.40356
Fax: 414-454-8702
Email: cwilcox@ch2m.com

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