





**Amoco Production Company**

Petroleum Center Building  
501 Airport Drive  
Farmington, New Mexico 87401  
505-325-8841

W. J. Holcomb  
District Manager

February 6, 1985

*Case 8506*

Oil Conservation Division  
P. O. Box 2088  
Santa Fe, NM 87501

Oil Conservation Division  
1000 Rio Brazos Road  
Aztec, NM 87410

Gentlemen:

Conversion of Johnson Gas Com E No. 1 to a Water Disposal Well

On January 23, 1984, letters were mailed to offset lease holders explaining the latest revision to the original application (reference File: TKA-6-400.1). The leaseholders were listed on Attachment No. 3. Enclosed is the letter sent to the offset operators and the certified mail receipts.

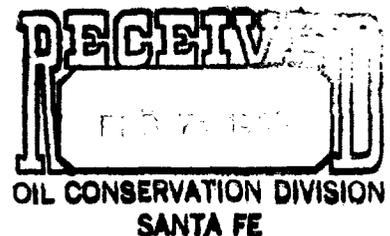
The letters explained the change in the injection interval from the Menefee and Point Lookout (3904'-4565') to the Menefee (3904'-4106') only.

*W. J. Holcomb TRA*

VAC/ct

Enclosure

AM12



Conversion of Johnson Gas Com E No. 1  
to a Water Disposal Well

Amoco Production Company is revising the water disposal application for the Johnson Gas Com E No. 1 dated January 23, 1985, File: TKA-6-400.1.

The proposed injection interval (3904'-4565'), included the Menefee and Point Lookout in the Flora Vista Formation. The revision would change the injection interval to only the Menefee (3904'-4106'). Log calculations show that the Menefee is 100% water saturated. To isolate the Point Lookout from injection, a permanent cast iron bridge plug would be set at 4300'. Fifty feet of Class B Neat Cement would be pumped on top of the plug. The bridge plug will be pressure tested to 3000 PSI.

If there are any questions regarding the revision, please contact Randy Rickford at 325-8841, Ext. 246.

*W. J. Helcomb*  
TRH  
VAC/ct

Enclosure

AM11

**SENDER: Complete items 1, 2, 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 service(s) requested.

1.  Show to whom, date and address of delivery.  
 2.  Restricted Delivery.

3. Article Addressed to:  
 P.O. Box 555  
 Logkwood, Co 80155

4. Type of Service: Article Number  
 Registered  Insured  
 Certified  COD P553 443 422  
 Express Mail

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee  
 X

6. Signature - Agent  
 X

7. Date of Delivery  
 31 JAN 1985

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

**SENDER: Complete items 1, 2, 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 service(s) requested.

1.  Show to whom, date and address of delivery.  
 2.  Restricted Delivery.

3. Article Addressed to:  
 Southland Royal Club Tower  
 1000 Fort Worth, TX 76102

4. Type of Service: Article Number  
 Registered  Insured P553 443 421  
 Certified  COD  
 Express Mail

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee  
 X

6. Signature - Agent  
 X

7. Date of Delivery  
 31 JAN 1985

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1.  Show to whom, date and address of delivery.  
 2.  Restricted Delivery.

3. Article Addressed to:  
 Arco  
 P.O. Box 5540  
 Denver, CO 80217

4. Type of Service: Article Number  
 Registered  Insured  
 Certified  COD P553 443 416  
 Express Mail

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee  
 X

6. Signature - Agent  
 X

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1.  Show to whom, date and address of delivery.  
 2.  Restricted Delivery.

3. Article Addressed to:  
 Northwest Pipeline  
 ATT: Wendell Carrother's  
 P.O. Box 8900  
 Salt Lake City, UT 84108-0900

4. Type of Service: Article Number  
 Registered  Insured  
 Certified  COD P553 443 420  
 Express Mail

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee  
 X

6. Signature - Agent  
 X

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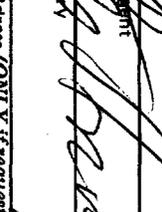
1.  Show to whom, date and address of delivery.  
 2.  Restricted Delivery.

3. Article Addressed to:  
 E1 Paso Exploration  
 P.O. Box 1492  
 E1 Paso, TX 79999

4. Type of Service:      Article Number  
 Registered       Insured      P 553 443 418  
 Certified       COD  
 Express Mail

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee  
 X

6. Signature - Agent  
 X 

7. Date of Delivery  
 X

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

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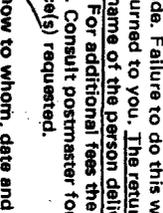
1.  Show to whom, date and address of delivery.  
 2.  Restricted Delivery.

3. Article Addressed to:  
 E1 Paso Natural Gas  
 P.O. Box 4289  
 Farmington, NM 87499

4. Type of Service:      Article Number  
 Registered       Insured      P 553 443 415  
 Certified       COD  
 Express Mail

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee  
 X

6. Signature - Agent  
 X 

7. Date of Delivery  
 X 1-29-85

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

**SENDER: Complete items 1, 2, 3 and 4.**  
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 2.  Restricted Delivery.

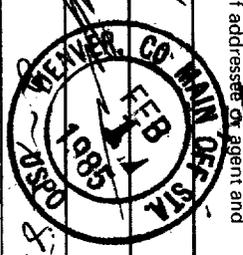
3. Article Addressed to:  
*Texaco*  
*P.O. Box 2100*  
*Denver CO 80201*

4. Type of Service: Registered  Insured   
 Certified  COD   
 Express Mail  Article Number *D553 4B 417*

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee   
 X  
 6. Signature - Agent   
 X  
 7. Date of Delivery *FEB 1 1984*  
*85*

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



**SENDER: Complete items 1, 2, 3 and 4.**  
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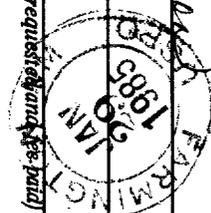
3. Article Addressed to:  
*Minerals Management Service*  
*Petroleum (106 Plaza)*  
*Farmington, NM 87401*  
*Attn: Arlen Hiner*

4. Type of Service: Registered  Insured   
 Certified  COD   
 Express Mail  Article Number *D553 4B 419*

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee   
 X  
 6. Signature - Agent   
 X  
 7. Date of Delivery *JAN 29 1984*

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





STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION  
AZTEC DISTRICT OFFICE

1000 RIO BRAZOS ROAD  
AZTEC, NEW MEXICO 87410  
(505) 334-6178

OIL CONSERVATION DIVISION  
BOX 2088  
SANTA FE, NEW MEXICO 87501

DATE Feb 4, 1985

RE: Proposed MC \_\_\_\_\_  
Proposed DHC \_\_\_\_\_  
Proposed NSL \_\_\_\_\_  
Proposed SWD x \_\_\_\_\_  
Proposed WFX \_\_\_\_\_  
Proposed PMX \_\_\_\_\_

*Case 8506*

Gentlemen:

I have examined the application dated 1/24/85  
for the Operator Johnson Gas Co E #1 D-15-30-12  
Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Docket for Hearing

Yours truly,

Frank D. O'Connell



W. J. Holcomb  
District Manager

January 23, 1985

RECEIVED  
JAN 24 1985  
OIL CON. DIV.  
DIST. 3

**Amoco Production Company**

Petroleum Center Building  
501 Airport Drive  
Farmington, New Mexico 87401  
505-325-8841

Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 87501

Oil Conservation Division  
1000 Rio Brazos Road  
Aztec, NM 87410

File: TKA-6-400.1

Gentlemen:

Conversion of Johnson Gas Com E No. 1  
to a Water Disposal Well

Amoco Production Company requests approval to convert the Johnson Gas Com E No. 1 to a water disposal well. This well was originally drilled as a gas well, but proved to be uneconomical after nine days of on line production.

The proposed injection interval, 3904-4565', is the original perforated zone in the Flora Vista Mesaverde formation. The perforated zone is a sandstone which is permeable enough to readily accept fluids. Expected injection rates will average 100 BWPD to a maximum of 250 - 500 BWPD. Proposed average injection pressures are 1100 psi to a maximum of 2000 psi. The system is closed.

The Ojo Alamo formation is an underground source of drinking water. The depth of the zone is 0' to 320'. There is a large distance between the Ojo Alamo and the Flora Vista Mesaverde formation. Based on available geological evidence no faults or breaks are evident within the area of review.

After a door to door survey, it was discovered that residents close to the Johnson Gas Com E No. 1 are connected to city water for domestic use. Analysis for fresh water wells in the area of review are attached. A water analysis comparison between the injection fluid (So. Ute B-3) and receiving formation water (Osborn 1-22) reveals no significant scaling tendencies when the waters are mixed.

In compliance with the Form C-108, find attached an original and one copy with each of the following:

Attachment No:

1. "Well Location and Dedication Plat" (NMOCD Form C-102)



**Amoco Production Company**

Petroleum Center Building  
501 Airport Drive  
Farmington, New Mexico 87401  
505-325-8841

W. J. Holcomb  
District Manager

January 28, 1985

Oil Conservation Division  
Attn: Ernest Bush  
1000 Rio Brazos Road  
Aztec, NM 87410

File: TKA-20-400.1

Gentlemen:

Conversion of Johnson Gas Com E No. 1  
to a Water Disposal Well

Amoco Production Company is revising the water disposal application for the Johnson Gas Com E No. 1 dated January 23, 1985, File: TKA-6-400.1.

The proposed injection interval (3904'-4565'), included the Menefee and Point Lookout in the Flora Vista Formation. The revision would change the injection interval to only the Menefee (3904'-4106'). Log calculations show that the Menefee is 100% water saturated. To isolate the Point Lookout from injection, a permanent cast iron bridge plug would be set at 4300'. Fifty feet of Class B Neat Cement would be pumped on top of the plug. The bridge plug will be pressure tested to 3000 PSI.

If there are any questions regarding the revision, please contact Randy Rickford at 325-8841, Ext. 246.

*W. J. Holcomb* TRH  
VAC/ct

Enclosure

AM11

**RECEIVED**

JAN 29 1985

OIL CON. DIV  
DIST. 3

**NORTHWEST PIPELINE CORPORATION**  
ONE OF THE WILLIAMS COMPANIES

LAND DEPARTMENT

P.O. BOX 1526  
SALT LAKE CITY, UTAH 84110-1526  
801-584-7215

62-85

January 22, 1985

Oil Conservation Division  
P. O. Box 2088  
Santa Fe, NM 87501

Case 8506

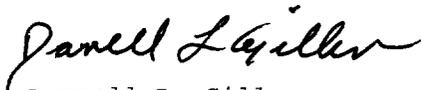
Re: Proposed Conversion of Johnson Gas Com E No. 1 to a  
Water Disposal Well, San Juan County, New Mexico

Gentlemen:

Northwest Pipeline would like to have an extension to the 15 day  
objection period before responding to the referenced proposal of  
Amoco.

Due to the possibility of having the water communicate with the  
gas in the Mesaverde pool and reducing the potential production,  
we feel more time is warranted to do a Geologic Study of the  
area to determine the affect this might have on our Mesaverde Wells.

Sincerely,



Darrell L. Gillen  
Land Coordinator

jawc

cc: Amoco Production

RECEIVED  
JAN 23 1985  
OIL CON. DIV.  
DIST. 3