

KINDRED PETROLEUM COMPANY

%P. O. Box 5317
Midland, Texas 79704

May 27, 1987

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

Attention: Mr. David Catanach

Gentlemen:

Per your instructions, we are this date sending via certified mail, a copy of Form C-108, Application for Authorization to Inject, with Injection Well Data Sheet attached, for our Well No. 2, State HS Lease, in Section 9, T-18-S, R-34-E, Lea County, New Mexico, to the following additional offset operators:

Stumhoffer & Carr
Ridglea Bank Building - Suite 1007
Fort Worth, Texas 76116

Sun Exploration & Production Co.-Midland
P. O. Box 1861
Midland, Texas 79702-1861


We will forward the return receipts just as soon as they are returned to us.

Your assistance in an early approval of this application will be most appreciated.

Yours very truly,

KINDRED PETROLEUM COMPANY

By


R. Busby, Agent

RB:b

KINDRED PETROLEUM COMPANY
%P. O. Box 5317
Midland, Texas 79704

May 26, 1987

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

Attention: Mr. David Catanach

Gentlemen:

Per your instructions today, we are this date sending via certified mail a copy of Form C-108, Application for Authorization to Inject, with Injection Well Data Sheet attached, for our Well No. 2, State HS Lease, in Section 9, T-18-S, R-34-E, Lea County, New Mexico, to the following additional offset operators:

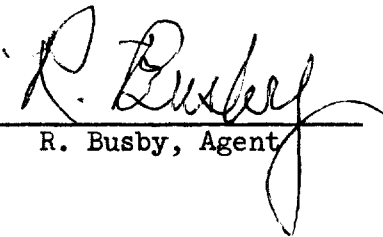
Amoco Production Company
P. O. Box 68
Hobbs, New Mexico 88240

Dwight A. Tipton
P. O. Box 1597
Lovington, New Mexico 88260

On receipt of the return receipts, we will forward to your office. We are greatly in need of this application to be approved and shall appreciate your expediting same as soon as possible.

Yours very truly,

KINDRED PETROLEUM COMPANY

By 
R. Busby, Agent

RB:b

KINDRED PETROLEUM COMPANY

P. O. Box 5317
Midland, Texas 79704

June 1, 1987

JUN 1 1987
Mr. David Catanach
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87504

Dear Mr. Catanach:

We are forwarding herewith return receipts which were recently mailed via certified mail to offset operators to our State HS Lease, Well No. 2, located in Section 9, T-18-S, R-34-E, Lea County, New Mexico as follows:

Amoco Production Company
P. O. Box 68
Hobbs, New Mexico 88240

Stumhoffer & Carr
Ridglea Bank Building - Suite 1007
Fort Worth, Texas 76116

Sun Exploration & Production Co.-Midland
P. O. Box 1861
Midland, Texas 79702-1861

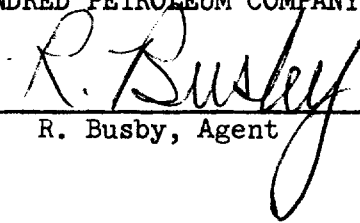
Dwight A. Tipton
P. O. Box 1597
Lovington, New Mexico 88260

It is our understanding that these should now allow you to approve our Form C-108, Application for Authorization to Inject water into this well. We shall appreciate your expediting same as soon as possible. However, if you have any questions please call the undersigned at A/C 915 682-5492.

Yours very truly,

KINDRED PETROLEUM COMPANY

By


R. Busby, Agent

RB:b
Enclosures (4)

● **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. 2. ☐ Restricted Delivery.

3. Article Addressed to: <i>Amaco Production Co. P. O. Box 68 Hobbs, N. M. 88240</i>	4. Article Number <i>P519489607</i>
Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail	
Always obtain signature of addressee or agent and DATE DELIVERED .	
5. Signature - Addressee <i>X Linda Riddle</i>	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent <i>X</i>	
7. Date of Delivery <i>MAY 28 1987</i>	

PS Form 3811, Feb. 1986

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. 2. ☐ Restricted Delivery.

3. Article Addressed to: <i>Stumhoffer + Carr Ridglea Bank Bldg. #1007 7th North, Tx. 76116</i>	4. Article Number <i>P519489501</i>
Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail	
Always obtain signature of addressee or agent and DATE DELIVERED .	
5. Signature - Addressee <i>X Rebecca Roderluff</i>	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent <i>X</i>	
7. Date of Delivery <i>5-29-87</i>	

PS Form 3811, Feb. 1986

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. 2. ☐ Restricted Delivery.

3. Article Addressed to:
Sun Eupl. & Prod.
Box 1861
Midland, Tx. 79702

4. Article Number
P519489500

Type of Service:
☐ Registered ☐ Insured
☒ Certified ☐ COD
☒ Express Mail

Always obtain signature of addressee or agent and **DATE DELIVERED.**

5. Signature - Addressee
X *[Signature]*

6. Signature - Agent
X

7. Date of Delivery
5-28-87

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

PS Form 3811, Feb. 1986

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. 2. ☐ Restricted Delivery.

3. Article Addressed to:
Owight A. Tipton
P.O. Box 1597
Louington, N.M. 88260

4. Article Number
P519489606

Type of Service:
☐ Registered ☐ Insured
☒ Certified ☐ COD
☒ Express Mail

Always obtain signature of addressee or agent and **DATE DELIVERED.**

5. Signature - Addressee
X *[Signature]*

6. Signature - Agent
X

7. Date of Delivery
5-28-87

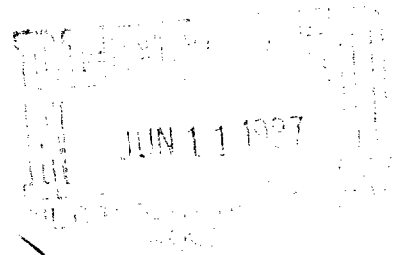
8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Feb. 1986

DOMESTIC RETURN RECEIPT

KINDRED PETROLEUM COMPANY
P. O. Box 5317
Midland, Texas 79704

June 8, 1987



915-687
- 2828

*La call back
afternoon w/ Order No.*

Mr. David Catanach
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87504

Dear Mr. Catanach:

We are enclosing herewith "Results of Water Analysis" report. It is our understanding that this is one of the requirements which should accompany our Form C-108, Application for Authorization to Inject water into our State HS, Well No. 2, located in Section 9, T-18-S, R-34-E, Lea County, New Mexico.

Yours very truly,

KINDRED PETROLEUM COMPANY

By

R. Busby
R. Busby, Agent

RB:rb
Enclosure

P. O BOX 1468
MONAHANS, TEXAS 79756
PH. 943-3234 OR 563-1040

Martin Water Laboratories, Inc.

709 W. INDIANA
MIDLAND, TEXAS 79701
PHONE 683-4521

RESULT OF WATER ANALYSES

TO: Kindred Petroleum Company
P.O. Box 411, Midland, Texas

LABORATORY NO. 587585
SAMPLE RECEIVED 5-29-87
RESULTS REPORTED 6-3-87

COMPANY Kindred Petroleum Company LEASE State "HS" Com. #2
FIELD OR POOL E.K.
SECTION BLOCK SURVEY COUNTY Lea STATE NM

SOURCE OF SAMPLE AND DATE TAKEN:

NO. 1 Raw water - taken from water well located 8/10 miles west/northwest of State "HS"
NO. 2 Com. #2.
NO. 3
NO. 4

REMARKS:

CHEMICAL AND PHYSICAL PROPERTIES				
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.0014			
pH When Sampled				
pH When Received	7.77			
Bicarbonate as HCO ₃	205			
Supersaturation as CaCO ₃				
Undersaturation as CaCO ₃				
Total Hardness as CaCO ₃	192			
Calcium as Ca	59			
Magnesium as Mg	11			
Sodium and/or Potassium	15			
Sulfate as SO ₄	22			
Chloride as Cl	24			
Iron as Fe	0.52			
Barium as Ba				
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	337			
Temperature °F.				
Carbon Dioxide, Calculated				
Dissolved Oxygen, Winkler				
Hydrogen Sulfide	0.0			
Resistivity, ohms/m at 77° F.	26.90			
Suspended Oil				
Filtrable Solids as mg/l				
Volume Filtered, ml				
Nitrate, as N	4.2			

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks The undersigned certifies the above to be true and correct to the best of his knowledge and belief.



OIL CONSERVATION DIVISION
RECEIVED
2 AM 9 05

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

GARREY CARRUTHERS
GOVERNOR

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
(505) 393-6161

June 15, 1990

JFG Enterprises
P. O. Box 100
Artesia, New Mexico 88210

Re: State HS SWD #2-L, Sec 9, T18S, R34E

Gentlemen:

The Oil Conservation Division recently witnessed a bradenhead test on the above referenced well.

According to the provisions of Division Order SWD-320, the approved injection pressure is limited to 876 psi. The injection pressure at the time of the test was 1350 psi.

As required by the EPA, we request that you take steps immediately to curtail the injection pressure to conform to the approved limits. Until such time as this is accomplished, we request that you shut in this well.

If you feel that an approved pressure limit is justified, you may wish to conduct a step rate test to determine fracture pressure.

If you decide to go with this procedure, we request that you notify this office 24 hours prior to the test in order that we may witness the operation. The test results would be submitted along with a letter requesting the increased pressure limit. The test results and letter should be sent to the OCD office in Santa Fe, with a copy to the OCD office at Hobbs. Jerry Sexton, District I Supervisor, would study the information available on the test, make a recommendation to the OCD Examiner in Santa Fe, and the final determination of the approved pressure limit would be made at that time.

We are enclosing a copy of the test sheet for your information.

Very truly yours

OIL CONSERVATION DIVISION

Jerry Sexton
Supervisor, District I

JS:bp

cc: William J. LeMay

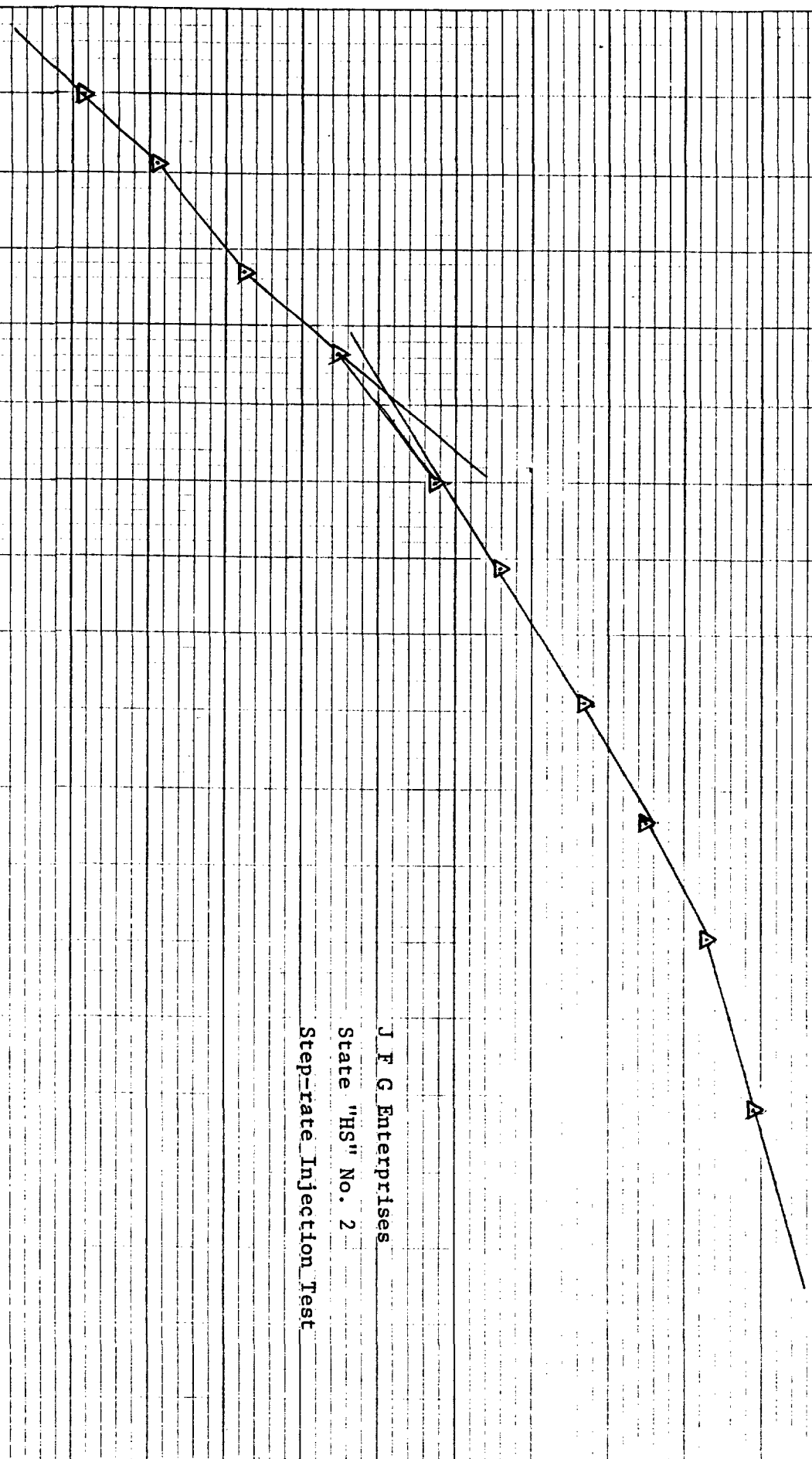
900
800
700
600
500
400
300
200
100
000

200 400 600 800 1000 1200 1400 1600

Δ Recorded Wellhead Pressure

J F G Enterprises
State "HS" No. 2
Step-rate Injection Test

B W P D



Step Rate Injection Test

Well Name _____ State "HS" No. 2
CO. Name J F G Enterprises

Date 6/26/90

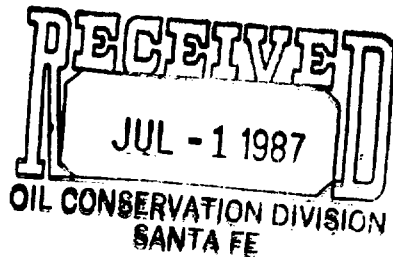
Remarks	Time	Tbg. Press.	Rate B P D	Total	B H P	Tbg. Press.	Rate G P M	TOTAL
	11:40	862.80		0				
	11:45	984.2	259.20	.9				
	11:50	978.2	201.60	1.6				
Rate I	11:55	1018.40	201.60	2.3				
			220.80					
	12:00	1068.40	316.80	3.4				
	12:05	1084.80	288.00	4.4				
Rate II	12:10	1111.60	259.20	5.3				
			288.00					
	12:15	1178.10	460.80	6.9				
	12:20	1198.20	403.20	8.3				
Rate III	12:25	1222.40	432.00	9.8				
			432.00					
	12:30	1282.40	547.80	11.7				
	12:35	1318.30	547.80	13.6				
Rate IV	12:40	1343.80	518.40	15.4				
			537.60					
	12:45	1391.20	691.20	17.8				
	12:50	1437.60	691.20	20.2				
Rate V	12:55	1473.60	720.00	22.7				
			700.80					
	1:00	1529.80	835.20	25.6				
	1:05	1529.60	806.40	28.4				
Rate VI	1:10	1559.00	806.40	31.2				
			816.00					
	1:15	1620.60	1008.00	34.7				
	1:20	1652.60	979.20	38.1				
Rate VII	1:25	1665.30	979.20	41.5				
			988.80					
	1:30	1708.80		45.5	Out of water, restart test			
	1:35	1496.40		45.7				
	1:40	1706.30	1094.40	49.5				
	1:45	1747.10	1180.80	53.6				
Rate VIII	1:50	1753.40	1152.00	57.6				
			1142.40					

JOHN W. FOSTER ENGINEERING CO.

Date 6/26/90

Page 2

[illegible]



KINDRED PETROLEUM COMPANY

P. O. Box 411
Midland, Texas 79702

June 29, 1987

Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87504

Re: Well No. 2, State HS Lease,
Lea County, New Mexico.

Attention: Mr. William J. Lemay

Gentlemen:

We are in receipt of Permit No. SWD-320 dated June 20, 1987. The well number and location are incorrect however, and we are writing to ask that you please send us a revised permit showing the correct Well No. 2, which is located 1980' from South line and 660' from the West line of Section 9, T-18-S, R-34-E, Lea County, New Mexico. Your permit shows it to be for Well No. 1. All forms and data filed by us have correctly shown it to be for Well No. 2 and not Well No. 1.

If you have any questions concerning this request please call our agent, Mrs. Rosellen Busby, at A/C 915 682-5492.

Yours very truly,

KINDRED PETROLEUM COMPANY

By

A handwritten signature in cursive script, appearing to read "R. Busby".

R. Busby

RB:b