

Joe D. Ramey
P. O. Box 6016
Hobbs, NM 88241

Postage 2 (Not for)

Accepted for
Forwarding Postage Paid

Vernon E. Faulconer
1100 Peoples National Bank
Tyler, TX 75702

Claim Check
No. 5242288

☐ Hold

Date

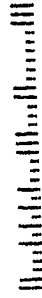
1ST Notice

2ND Notice

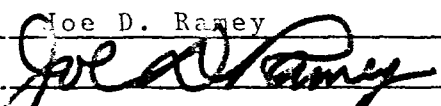
Return

Described from
PS Form 3848-A,
Oct. 1985

P 241 449 743



APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☐ Secondary Recovery ☐ Pressure Maintenance ☒ Disposal ☐ Storage
Application qualifies for administrative approval? ☐ yes ☒ no
- II. Operator: Osborn Heirs Company
Address: P. O. Box 17968 San Antonio, Tx 78286
Contact party: Joe D. Ramey Phone: 505 392-6525
- III. Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? ☐ yes ☒ no
If yes, give the Division order number authorizing the project _____.
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- * VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- * X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)
- * XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification
- I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- Name: Joe D. Ramey Title Agent
Signature:  Date: 7/15/86
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal. _____

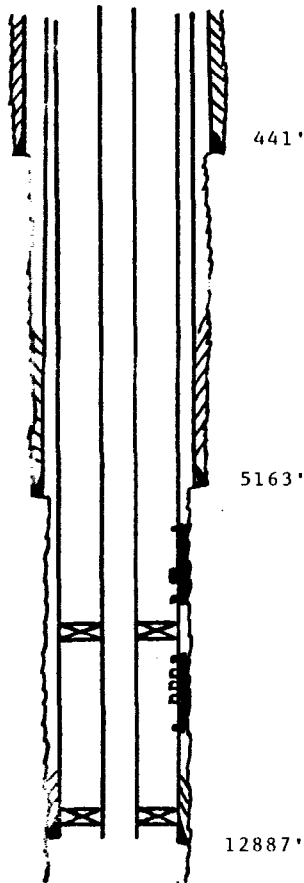
DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate Division district office.

The map displays a dense grid of streets in the Detroit, Michigan area. Numerous small, handwritten labels are scattered throughout the grid, often within specific blocks or along major thoroughfares. These labels typically identify local businesses, services, or landmarks, such as "M.T.S. (Inexco)", "Continental H.B.P.", "J.P. Cornes", "Dorothy M. Bumpers", "R.L. Sebring", "E.D. Aston", "J.P. Cornes", "M.G. Tolley", "H.E. Gibson", "M.E. Conner", "R.M. Barron", "A. E. Bragdon", "J.L. Read", "H.B.W. Carter", "J. L. Read", "H.B.W. Carter", "J. L. Read", "H.B.W. Carter", "J. L. Read", "H.B.W. Carter". A large, hand-drawn circle is centered over the city, with a smaller circle inside it. The text "KNOWLES" is printed in large, bold letters across the bottom right portion of the map.

INJECTION WELL DATA SHEET

Osborn Heirs Company Mattie Price
 OPERATOR LEASE
 WELL NO. 6 2310 E & 1820 N 6 17S 38E
 FOOTAGE LOCATION SECTION TOWNSHIP RANGE
 Lea County, New Mexico

Schematic



Tubular Data

Surface Casing

Size 13 3/8 " Cemented with 500 sx.TOC Circulated feet determined by _____Hole size 17 1/2

Intermediate Casing

Size 8 5/8 " Cemented with 430 sx.TOC 3800 feet determined by Est.Hole size 11

Long string

Size 5 1/2 " Cemented with 250 sx.TOC 12,822 feet determined by Temp. SurveyHole size 7 7/8Total depth 12,951

Injection interval

12,887 feet to 12,951 feet
 (perforated or open-hole indicate which)

Tubing size 2 7/8 lined with PVC set in a
 (material)
Baker Model R Double Grip packer at 10,000 & 12,800 feet
 (brand and model)
 (or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation Devonian
2. Name of field or pool (if applicable) West Garrett Devonian
3. Is this a new well drilled for injection? ☐ Yes ☒ No
 If no, for what purpose was the well originally drilled? Oil Well
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) 6600-01 & 7120-21
Squeezed with 115 sx. 6854-74 squeezed with 115 sx. 10550-51 &
10010-011 squeezed with 115 sx. 10262-96 now open.
5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. None

Wells within area of interest

Osborn Heirs Company

Mattie Price No. 1

660' N&E

Section 6, T17S, R38E

Spud 2/9/70

Completed 4/13/70

Devonian oil well producing from open hole 12680-12696

Hole size	Csg. size	Depth	Sxs. cement	Top cement
17½	12 3/4	420	400	Circ.
11	8 5/8	5185	500	4000 Est.
7 7/8	5½	12680	750	7800 Est.

Osborn Heirs Company

Mattie Price No. 2

1650 N & 990E

Section 6, T17S, R38E

Spud 4/21/70

Completed 7/5/70

Devonian oil well producing from open hole 12560-12684

17½	12 3/4	404	375	Circ.
11	8 5/8	5150	500	3500 Est.
7 7/8	5½	12560	750	8100 Temp. survey

Osborn Heirs Company

Mattie Price No. 3

2300 S & 990 E

Section 6, T17S, R38E

Spud 7/6/70

Completed 11/24/70

Devonian oil well producing from perf. 12842-12877

17½	12 3/4	410	400	Circ.
11	8 5/8	5154	520	3500 Est.
7 7/8	5½	13146	350	11100 Temp. survey

Osborn Heirs Company

Mattie Price No. 4

Spud 11/1/70

Completed 3/5/71

Devonian oil well producing from open hole 12847-12906

980S & 1650E

Section 6, T17S, R38E

17½	12 3/4	407	400	Circ
11	8 5/8	5209	575	5140 Temp. survey
7 7/8	5½	12847	525	12381 Temp. survey

Osborn Heirs Company seeks to dispose of up to 4500 barrels of water per day which is produced from the four wells on the Mattie Price lease. The water is all produced from the West Garrett Devonian Pool and will be disposed of in the Devonian formation in their presently temporary abandoned Mattie Price No. 6. This well was producing 99% water and after testing two other possible zones in the well it was shut-in on 12/10/1973.

Osborn will operate a closed system and it is anticipated that the well will take the 4500 barrel per day on a vacuum. However, a maximum injection pressure of 2577 is requested.

From core analysis, the Devonian is a dolomite with large vugs and fractures which would indicate excellent permeability and should be an excellent disposal zone. No well in the area has completely penetrated the Devonian but the Mattie Price Well No. 3 did penetrate over 330 feet of Devonian.

The West Garrett Devonian Pool produces through a water drive mechanism. Since the proposed disposal well did water out in late 1973, it is concluded that water injected in the well will be injected below the water-oil contact and will not interfere with the producing ability of nearby producing oil wells in the pool.

The only known fresh water in the area is from the Ogallala formation. The depth to the base of the Ogallala in the area is around 300 feet. There are no water wells within one mile of the proposed disposal well and no water tests are included in this application. However, nothing would indicate anything but high quality water in the Ogallala in the area. After examining the available geologic and engineering data, there is no evidence of open faulting or any other hydrologic connection between the disposal zone and any underground source of drinking water.

Injection into the well will be through plastic coated tubing below a packer. The present perforated interval in the well (10262-10296) will be isolated from injection by placing packers above and below this interval. Pressure tests of the annulus will establish the integrity of the upper packer and injectivity testing can establish fluid entry and lower packer integrity. The annular space will be filled with a non-corrosive packer fluid.

Copies of this application have been furnished to the surface owner and to all leasehold operators within one-half mile of the proposed disposal well, address list attached.

Copies of this application were sent by Certified Mail
to the following:

Amerada Hess Corp.
P. O. Box 2040
Tulsa, OK 74102

Avance Oil & Gas
625 Vaughn Building
Midland, TX 79702

Clemco
120 South College
Tyler, TX 75702

S. E. Cone
P. O. Box 10321
Lubbock, TX 79408

Exchange Oil & Gas
1250 Poydras Street-24th floor
New Orleans, LA 70112

Exxon Corp.
P. O. Box 1600
Midland, TX 79702

Vernon E. Faulconer
1100 Peoples National Bank
Tyler, TX 75702

Freeport Oil Co.
P. O. Box 3038
Midland, TX 79701

Inexco
910 Wilson Tower
Corpus Christi, TX 78476

Mobil Producing Texas & New Mexico Inc.
P. O. Box 633
Midland, TX 79702

Mattie Price
P. O. Box 13
Tatum, NM 88267

Osborn
Mail Receipts

P 241 449 737

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

★ U.S.G.P.O. 1985-480-794

PS Form 3800, June 1985

Sent to	Ames Hess Corp.	
Street and No.	P.O. Box 2040	
P.O. State and ZIP Code	Tulsa, OK 74102	
Postage	\$	.39
Certified Fee		.75
Special Delivery Fee		
Restricted Delivery Fee		
Return Receipt showing to whom and Date Delivered		
Return Receipt showing to whom, Date, and Address of Delivery		78
TOTAL Postage and Fees	\$	1.14
Postmark or Date	JUL 16 1986	

P 241 449 738

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

★ U.S.G.P.O. 1985-480-794

PS Form 3800, June 1985

Sent to	Avance Oil & Gas	
Street and No.	625 Vaughn Bldg.	
P.O. State and ZIP Code	Midland, TX 79702	
Postage	\$	.39
Certified Fee		.75
Special Delivery Fee		
Restricted Delivery Fee		
Return Receipt showing to whom and Date Delivered		
Return Receipt showing to whom, Date, and Address of Delivery		
TOTAL Postage and Fees	\$	1.14
Postmark or Date	JUL 16 1986	

P 241 449 739

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

★ U.S.G.P.O. 1985-480-794

PS Form 3800, June 1985

Sent to	Clemco	
Street and No.	120 So. College	
P.O. State and ZIP Code	Tyler, TX 75702	
Postage	\$	.39
Certified Fee		.75
Special Delivery Fee		
Restricted Delivery Fee		
Return Receipt showing to whom and Date Delivered		
Return Receipt showing to whom, Date, and Address of Delivery		
TOTAL Postage and Fees	\$	1.14
Postmark or Date	JUL 16 1986	

P 241 449 743

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

★ U.S.G.P.O. 1985-480-794

PS Form 3800, June 1985

Sent to	Vernon E. Faulconer	
Street and No.	1100 Peoples National Bank	
P.O. State and ZIP Code	Tyler, TX 75702	
Postage	\$	.39
Certified Fee		.75
Special Delivery Fee		
Restricted Delivery Fee		
Return Receipt showing to whom and Date Delivered		
Return Receipt showing to whom, Date, and Address of Delivery		
TOTAL Postage and Fees	\$	1.14
Postmark or Date	JUL 16 1986	

P 241 449 744

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

★ U.S.G.P.O. 1985-480-794

PS Form 3800, June 1985

Sent to	Freeport Oil Co.	
Street and No.	P.O. Box 3038	
P.O. State and ZIP Code	Midland, TX 79701	
Postage	\$	.39
Certified Fee		.75
Special Delivery Fee		
Restricted Delivery Fee		
Return Receipt showing to whom and Date Delivered		
Return Receipt showing to whom, Date, and Address of Delivery		
TOTAL Postage and Fees	\$	1.14
Postmark or Date	JUL 16 1986	

P 241 449 746

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

★ U.S.G.P.O. 1985-480-794

PS Form 3800, June 1985

Sent to	Mobil Prod. Tex. & NM Inc.	
Street and No.	P.O. Box 633	
P.O. State and ZIP Code	Midland, TX 79702	
Postage	\$	.39
Certified Fee		.75
Special Delivery Fee		
Restricted Delivery Fee		
Return Receipt showing to whom and Date Delivered		
Return Receipt showing to whom, Date, and Address of Delivery		
TOTAL Postage and Fees	\$	1.14
Postmark or Date	JUL 16 1986	

P 241 449 742

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

★ U.S.G.P.O. 1985-480-794

PS Form 3800, June 1985

Sent to	Exxon Corp.	
Street and No.	P.O. Box 1600	
P.O. State and ZIP Code	Midland, TX 79702	
Postage	\$	.39
Certified Fee		.75
Special Delivery Fee		
Restricted Delivery Fee		
Return Receipt showing to whom and Date Delivered		
Return Receipt showing to whom Date, and Address of Delivery		
TOTAL Postage and Fees	\$	1.14
Postmark or Date	JUL 10 1986 USFO	

P 241 449 740

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

Sent to	S. E. Cone	
Street and No.	P.O. Box 10321	
P.O. State and ZIP Code	Lubbock, TX 79408	
Postage	\$	.39
Certified Fee		.75
Special Delivery Fee		
Restricted Delivery Fee		
Return Receipt showing to whom and Date Delivered		
Return Receipt showing to whom Date, and Address of Delivery		
TOTAL Postage and Fees	\$	1.14
Postmark or Date	JUL 10 1986 USFO	

P 241 449 747

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

Sent to	Mattie Price	
Street and No.	P.O. Box 13	
P.O. State and ZIP Code	Tatum, NM 88267	
Postage	\$	.39
Certified Fee		.75
Special Delivery Fee		
Restricted Delivery Fee		
Return Receipt showing to whom and Date Delivered		
Return Receipt showing to whom Date, and Address of Delivery		
TOTAL Postage and Fees	\$	1.14
Postmark or Date	JUL 10 1986 USFO	

P 241 449 745

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

★ U.S.G.P.O. 1985-480-794

PS Form 3800, June 1985

Sent to	Inexco	
Street and No.	910 Wilson Tower	
P.O. State and ZIP Code	Corpus Christi, TX 78476	
Postage	\$	.39
Certified Fee		.75
Special Delivery Fee		
Restricted Delivery Fee		
Return Receipt showing to whom and Date Delivered		
Return Receipt showing to whom Date, and Address of Delivery		
TOTAL Postage and Fees	\$	1.14
Postmark or Date	JUL 10 1986 USFO	

P 241 449 741

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

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PS Form 3800, June 1985

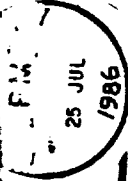
Sent to	Exchange Oil & Gas	
Street and No.	1250 Poydras St - 24th Floor	
P.O. State and ZIP Code	New Orleans, LA 70112	
Postage	\$	.39
Certified Fee		.75
Special Delivery Fee		
Restricted Delivery Fee		
Return Receipt showing to whom and Date Delivered		
Return Receipt showing to whom Date, and Address of Delivery		
TOTAL Postage and Fees	\$	1.14
Postmark or Date	JUL 13 1986 USFO	

Joe D. Ramey
P. O. Box 6016
Hobbs, NM 88241

NAME _____
1st Notice _____
2nd Notice _____
Return _____

JUL 28 1986

FIRST CLASS




Avance Oil & Gas
625 Ventura Building
Boulder, CO 80502

ATTEMPTED - NOT KNOWN

Handwritten: 2411-0582

APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☐ Secondary Recovery ☐ Pressure Maintenance ☒ Disposal ☐ Storage
Application qualifies for administrative approval? ☐ yes ☒ no
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1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
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Signature:  Date: 7/15/86
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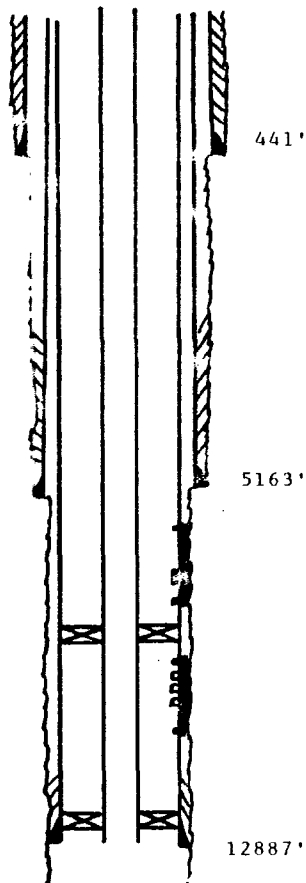
The map displays the United States with a grid of latitude and longitude lines. A large circle is drawn around the central part of the country, centered on the Gulf of Mexico. The circle passes through the states of Texas, Louisiana, Mississippi, Alabama, Georgia, and Florida. The map is labeled with state names and major cities. The title "UNITED STATES" is at the top center. The map is oriented with North at the top.

State	Major Cities
Alabama	Montgomery, Birmingham, Mobile
Alaska	Juneau, Fairbanks, Anchorage
Arizona	Phoenix, Tucson, Flagstaff
Arkansas	Fayetteville, Little Rock, Springdale
California	San Francisco, Los Angeles, San Diego, Sacramento
Colorado	Denver, Colorado Springs, Fort Collins
Connecticut	Hartford, New Haven, Bridgeport
Delaware	Dover, Wilmington, Newark
Florida	Tallahassee, Jacksonville, Orlando, Miami
Georgia	Atlanta, Savannah, Augusta
Hawaii	Honolulu, Pearl Harbor
Idaho	Boise, Idaho Falls, Pocatello
Illinois	Chicago, Springfield, Peoria
Indiana	Indianapolis, Fort Wayne, Evansville
Iowa	Des Moines, Cedar Rapids, Davenport
Kansas	Topeka, Lawrence, Wichita
Kentucky	Lexington, Louisville, Frankfort
Louisiana	Baton Rouge, New Orleans, Shreveport
Maine	Bangor, Portland, Lewiston
Maryland	Baltimore, Annapolis, Frederick
Massachusetts	Boston, Springfield, Worcester
Michigan	Lansing, Detroit, Flint
Minnesota	Minneapolis, St. Paul, Rochester
Mississippi	Jackson, Meridian, Natchez
Missouri	St. Louis, Kansas City, Springfield
Montana	Billings, Great Falls, Helena
Nebraska	Omaha, Lincoln, Kearney
Nevada	Reno, Las Vegas, Primm
New Hampshire	Manchester, Nashua, Concord
New Jersey	Newark, Jersey City, Trenton
New Mexico	Albuquerque, Santa Fe, Las Cruces
New York	New York City, Albany, Buffalo
North Carolina	Raleigh, Charlotte, Durham
North Dakota	Bismarck, Grand Forks, Minot
Ohio	Columbus, Cleveland, Cincinnati
Oklahoma	Oklahoma City, Tulsa, Lawton
Oregon	Portland, Salem, Medford
Pennsylvania	Philadelphia, Pittsburgh, Harrisburg
Rhode Island	Providence, Pawtucket, Woonsocket
South Carolina	Columbia, Charleston, Greenville
South Dakota	Spearhead, Pierre, Rapid City
Tennessee	Memphis, Nashville, Knoxville
Texas	Houston, San Antonio, Austin, Dallas
Vermont	Montpelier, Burlington, Rutland
Virginia	Richmond, Norfolk, Alexandria
Washington	Seattle, Tacoma, Olympia
West Virginia	Charleston, Martinsburg, Morgantown
Wisconsin	Madison, Milwaukee, Green Bay
Wyoming	Cheyenne, Laramie, Casper

INJECTION WELL DATA SHEET

OPERATOR Osborn Heirs Company LESSEE Mattie Price
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Lea County, New Mexico

Schematic



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 TOC Circulated feet determined by _____
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Size 8 5/8 " Cemented with 430 sx.
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 Hole size 11

Long string

Size 5 1/2 " Cemented with 250 sx.
 TOC 12,822 feet determined by Temp. Survey
 Hole size 7 7/8

Total depth 12,951

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12,887 feet to 12,951 feet
 (perforated or open-hole indicate which)

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 (material)
Baker Model R Double Grip packer at 10,000 & 12,800 feet
 (brand and model)
 (or describe any other casing-tubing seal).

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1. Name of the injection formation Devonian
2. Name of field or Pool (if applicable) West Garrett Devonian
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 If no, for what purpose was the well originally drilled? Oil Well
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Squeezed with 115 sxs. 6854-74 squeezed with 115 sxs. 10550-51 &
10010-011 squeezed with 115 sxs. 10262-96 now open.
5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. None

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Osborn Heirs Company

Mattie Price No. 1

660' N&E

Section 6, T17S, R38E

Spud 2/9/70

Completed 4/13/70

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Osborn Heirs Company

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Spud 4/21/70

Completed 7/5/70

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Osborn Heirs Company

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2300 S & 990 E

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11	8 5/8	5154	520	3500 Est.
7 7/8	5½	13146	350	11100 Temp. survey

Osborn Heirs Company

Mattie Price No. 4

Spud 11/1/70

Completed 3/5/71

Devonian oil well producing from open hole 12847-12906

980S & 1650E

Section 6, T17S, R38E

17½	12 3/4	407	400	Circ
11	8 5/8	5209	575	5140 Temp. survey
7 7/8	5½	12847	525	12381 Temp. survey

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Copies of this application have been furnished to the surface owner and to all leasehold operators within one-half mile of the proposed disposal well, address list attached.

Copies of this application were sent by Certified Mail
to the following:

Amerada Hess Corp.
P. O. Box 2040
Tulsa, OK 74102

Avance Oil & Gas
625 Vaughn Building
Midland, TX 79702

Clemco
120 South College
Tyler, TX 75702

S. E. Cone
P. O. Box 10321
Lubbock, TX 79408

Exchange Oil & Gas
1250 Poydras Street-24th floor
New Orleans, LA 70112

Exxon Corp.
P. O. Box 1600
Midland, TX 79702

Vernon E. Faulconer
1100 Peoples National Bank
Tyler, TX 75702

Freeport Oil Co.
P. O. Box 3038
Midland, TX 79701

Inexco
910 Wilson Tower
Corpus Christi, TX 78476

Mobil Producing Texas & New Mexico Inc.
P. O. Box 633
Midland, TX 79702

Mattie Price
P. O. Box 13
Tatum, NM 88267

Kamey
O. Box 6016
Hobbs, NM 88241

PAID

AUG - 3 1996

301 23 1996

RETURNED TO SENDER
MIDLAND, TX 79701

REASON CHECKED
Address unknown
No such street
No such office in area
No such person in the area
Midland, TX 79701

Fold at line over top of envelope to the right
of the return address

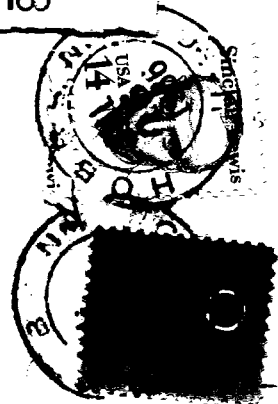
CERTIFIED

P 241 449 744


MAIL

RETURNED TO SENDER
REASON CHECKED
Address unknown
No such street
No such office in area
No such person in the area

CHECK
0002298



APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☐ Secondary Recovery ☐ Pressure Maintenance ☒ Disposal ☐ Storage
Application qualifies for administrative approval? ☐ yes ☒ no
- II. Operator: Osborn Heirs Company
Address: P. O. Box 17968 San Antonio, Tx 78286
Contact party: Joe D. Ramey Phone: 505 392-6525
- III. Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? ☐ yes ☒ no
If yes, give the Division order number authorizing the project _____.
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- * VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- * X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)
- * XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification
- I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- Name: Joe D. Ramey Title: Agent
Signature:  Date: 7/15/86
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal. _____

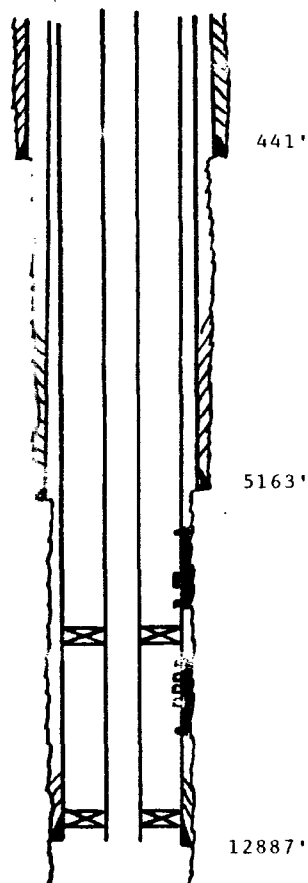
DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate Division district office.

[illegible]

INJECTION WELL DATA SHEET

OPERATOR Osborn Heirs Company LEASE Mattie Price
 WELL NO. 6 FOOTAGE LOCATION 2310 E & 1820 N SECTION 6 TOWNSHIP 17S RANGE 38E
Lea County, New Mexico

Schematic



Tubular Data

Surface Casing

Size 13 3/8 " Cemented with 500 sx.TOC Circulated feet determined by _____Hole size 17 1/2

Intermediate Casing

Size 8 5/8 " Cemented with 430 sx.TOC 3800 feet determined by Est.Hole size 11

Long string

Size 5 1/2 " Cemented with 250 sx.TOC 12,822 feet determined by Temp. SurveyHole size 7 7/8Total depth 12,951

Injection interval

12,887 feet to 12,951 feet
 (perforated or open-hole indicate which)

Tubing size 2 7/8 lined with PVC set in a
 (material)
Baker Model R Double Grip packer at 10,000 & 12,800 feet
 (brand and model)
 (or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation Devonian
2. Name of Field or Pool (if applicable) West Garrett Devonian
3. Is this a new well drilled for injection? ☐ Yes ☒ No
 If no, for what purpose was the well originally drilled? Oil Well
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) 6600-01 & 7120-21
Squeezed with 115 sxs. 6854-74 squeezed with 115 sxs. 10550-51 &
10010-011 squeezed with 115 sxs. 10262-96 now open.
5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. None

Wells within area of interest

Osborn Heirs Company

Mattie Price No. 1

660' N&E

Section 6, T17S, R38E

Spud 2/9/70

Completed 4/13/70

Devonian oil well producing from open hole 12680-12696

Hole size	Csg. size	Depth	Sxs. cement	Top cement
17½	12 3/4	420	400	Circ.
11	8 5/8	5185	500	4000 Est.
7 7/8	5½	12680	750	7800 Est.

Osborn Heirs Company

Mattie Price No. 2

1650 N & 990E

Section 6, T17S, R38E

Spud 4/21/70

Completed 7/5/70

Devonian oil well producing from open hole 12560-12684

17½	12 3/4	404	375	Circ.
11	8 5/8	5150	500	3500 Est.
7 7/8	5½	12560	750	8100 Temp. survey

Osborn Heirs Company

Mattie Price No. 3

2300 S & 990 E

Section 6, T17S, R38E

Spud 7/6/70

Completed 11/24/70

Devonian oil well producing from perf. 12842-12877

17½	12 3/4	410	400	Circ.
11	8 5/8	5154	520	3500 Est.
7 7/8	5½	13146	350	11100 Temp. survey

Osborn Heirs Company

Mattie Price No. 4

Spud 11/1/70

Completed 3/5/71

Devonian oil well producing from open hole 12847-12906

980S & 1650E

Section 6, T17S, R38E

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