MEWBOURNE OIL COMPANY

P.O. BOX 7698 TYLER, TEXAS 75711 903 - 561-2900 FAX 903 - 561-1870 June 12, 1992

State of New mexico Oil Conservation Commission P. O. Box 2088 Santa Fe, New Mexico 87504

Attention: Mr. David Catanach

Re: Application for Authorization to Inject - Federal "E" No. 11 Unit A, Sec. 27, T18S-R32E Lea County, New Mexico

Gentlemen:

Mewbourne Oil Company and the Operator's Committee of the proposed Querecho Plains Bone Spring Sand Unit recommends converting the captioned well to a pilot water injection well prior to the formation of the proposed unit.

The original and one (1) copy of application Form C-108 and all appropriate supporting data are attached. A copy of similar information has been submitted to the BLM in Carlsbad.

This application cannot be administratively approved and it is requested that a hearing be set for July 9, 1992.

If further information is required, please advise.

Very truly yours,

MEWBOURNE OIL COMPANY

Kevin Mayes Engineer CONTRACTOR STORES

KM:qt Enclosures

Copy to: Oil Conservation Division 2000 MO. 4 Hobbs, New Mexico

CIL CORREPRIATION DIVISION

of the earlier submittal.

district office.

OIL CONSERVATION DIVISION

POST OFFICE BOX EXHIU STATE EANO OFFICE BUILDING EANTA FE, NEW MEXICO 07503

FORM C-108 Revised 7-1-01

1.	Purpose: Secondary Recovery Pressure Maintenance Disposal Storage Application qualifies for administrative approval? yes no
11.	Operator: Mewbourne Oil Company
	Address: P. O. Box 7698, Tyler, Texas 75711
	Contact party: Kevin Mayes/Ken Calvert Phone: (903) 561-2900
111.	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?
٧.	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:
	 Proposed average and maximum daily rate and volume of fluids to be injected; Whether the system is open or closed; Proposed average and maximum injection pressure; Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and 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.).
'111.	Attach appropriate geological data on the injection zone including appropriate lithological, 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.
х.	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.
111.	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: Kevin Mayes little Engineer
	Signature: /win Mayer Date: 6/12/92

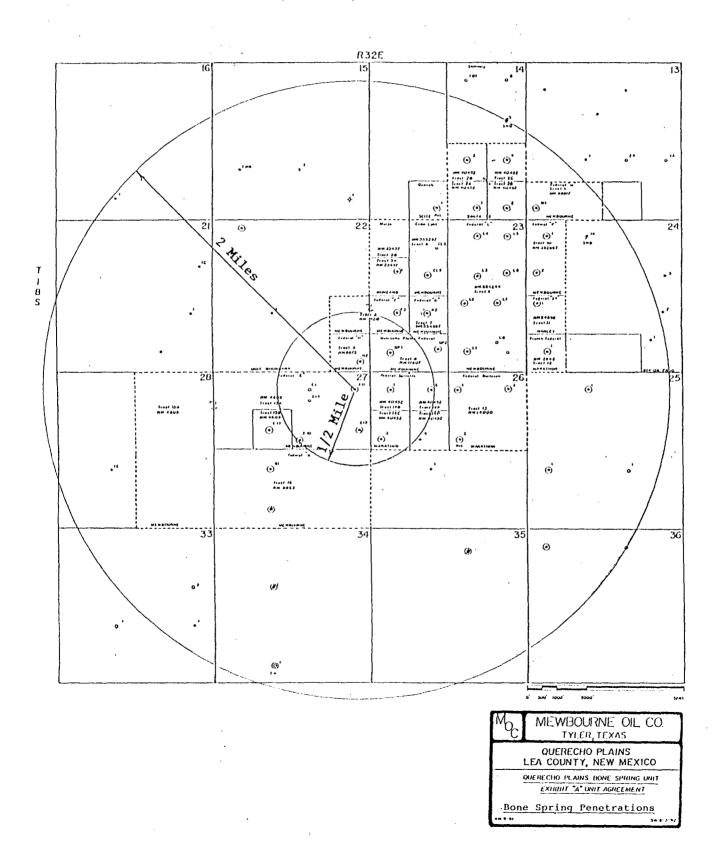
DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate Division

ITEM III OF NEW MEXICO OCD FORM C-108

	11	DECTION WILL DATA SHELL			
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ITEM V OF NEW MEXICO OCD FORM C-108 MAP OF ALL WELLS WITHIN 2 MILES OF INJECTOR QUERECHO PLAINS FEDERAL "E" NO. 11

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THEM VII OF NEW MEXICO OCD FORM C-108 DATA ON PROPOSED OPERATIONS QUERECHO PLAINS FEDERAL E #11 5-12-92/KMM

- ITEM VII (1) Proposed maximum injection rate is 800 bwpd/injector.
- ITEM VII (2) The injection system will be operated as a closed system.
- ITEM VII (3) The injection pressure will be held to a maximum of 1700 psi (0.2 psi/ft * 8501'). If no detriment is seen from this pressure then administrative approval may be requested for higher pressures.
- The source of injection water will be produced water from the Bone Spring, Delaware and/or Queen formations. If additional water is required the city of Carlsbad will be approached for a tap on their Caprock system. A copy of the water analyzes is attached.
- ITEM VII (5) Not applicable.

ITEM VIII OF NEW MEXICO OCD FORM C-108 GEOLOGIC DATA ON THE INJECTION ZONE & UNDERGROUND DRINKING WATER QUERECHO PLAINS FEDERAL E #11 5-12-92/KMM

The zone being targeted for water injection at Querecho Plains is the First Bone Spring sand at depths from 8430'-8528' in the well Federal L NO. 4, Section 23, T185, R32E. The First Bone Spring sands are a sequence of well consolidated sandstone, siltstone, and shale strata, with localized carbonate deposition, of Permian age cemented with calcareous material. An eight percent porosity cut off is use to determine net pay as porosity less than eight percent is considered impermeable at the existing and proposed reservoir pressure and reservoir fluid regimes. Net pay isopach maps contained in the engineering report portion of the unit plan show the areal extent of the targeted sands. Impermeable carbonate deposits exist above and below the targeted sands thus defining the permeable limits of the reservoir. All injected fluids should remain in the reservoir with the exception of cycling to the surface though wellbores.

Based on communications with the New Mexico State Engineer's Roswell office (Ken Fresquez) and OCD files at Hobbs there appears to be only one fresh water well within T18S & R32E. This well's total depth was 270' and is located in the NW, NW, SE, SE, NW of section 20 (3 miles away from the nearest proposed injector). The source strata tapped by this well is the Triassic "Red Beds" and the only other strata Mr. Fresquez referred to as potentially fresh was the Alluvium which is shallower than the "Red Beds". There are no known fresh water strata underlying the Bone Spring.

ITEMS IX THROUGH XII QUERECHO PLAINS FEDERAL E #11 5-12-92/KMM

- ITEM IX. Federal E #11 has an existing fracture stimulation and it is assumed that the well will be treated with acid at least once during the life of injection.
- ITEM X. All logging and test data for the existing wellbores already exists on file with the state of New Mexico Oil Conservation Division (OCD) and will not be resubmitted with this application.
- ITEM XI. As stated in ITEM VIII, it appears the only strata within one mile of our proposed unit which contains water of possible drinking quality is confined to 270' and shallower. No contamination of this drinking water should occur as all existing wellbores which penetrate the Bone Spring in the proposed area have surface casing set at a minimum depth of 350' with cement completely circulated behind this casing from setting depth to surface. In addition and to the best of my knowledge there are no fresh water wells within one mile of this proposed injector.
- ITEM XII. After reviewing the geology of the Bone Spring Sand strata in a one and one-half mile radius around the proposed unit area, no evidence appears of fractures or any hydrologic connection between the target sands and any overlying or underlying strata.

MEWBOURNE OIL COMPANY APPLICATION FOR AUTHORIZATION TO INJECT FEDERAL "E" NO. 11 LEA COUNTY, NEW MEXICO

CERTIFICATE OF SERVICE

I, Kevin Mayes, Engineer, Mewbourne Oil Company, Operator of the Federal "E" No. 11, have on this 12th day of June, 1992, mailed or caused to be mailed, postage prepaid a copy of the Application for Authorization to Inject to the following persons at the address shown:

LAND OWNER

Bureau of Land Management P. O. Box 1397 Roswell, New Mexico 88220

OFFSET OPERATORS

Tony Meyer Anadarko Petroleum Corporation 400 West Illinois, Suite 1300 Midland, Texas 79701

Gene H. Davis Santa Fe Energy Resources, Inc. 550 W. Texas, Suite 1330 Midland, Texas 79701 Tom Westling Marathon Oil Company P. O. Box 552 Midland, Texas 79702

James Guy JFG Enterprises P. O. Box 100 Arteisa, New Mexico 88210

Kevin Mayes Engineer

Public in a County, Texa

Subscribed in my presence and duly sworn to before me on this 12th day of June 1992.

GAYLON THOMPSON Notary Public, State of Toxas My Cornn. Expires 4/30/93

a

MEWBOURNE OIL COMPANY

P.O. BOX 7698

TYLER, TEXAS 75711

903 - 561-2900

FAX 903 - 561-1870

June 15, 1992

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
NO. P 761 530 582

Joyce Clemmons Lovington Leader P. O. Drawer 1717 Lovington, New Mexico 88260 (505) 396-2844

Dear Mrs. Clemmons:

Please run the enclosed notices in your paper for one (1) day and invoice us for the advertisement at the above address. Please return your sworn affidavit along with a copy of the clipping of the published notices in the envelope provided.

Your prompt attention in regard to this matter is greatly appreciated.

Very truly yours,

MEMBOURNE OIL COMPANY

Gaylon Thompson

Engineering Operations Secretary

Attachments

LEGAL NOTICE NOTICE OF APPLICATION FOR FLUID INJECTION WELL PERMIT

P. O. BOX 7698 TYLER, TEXAS 75711

has applied to the State of New Mexico, Oil Conservation Division, Santa Fe, New Mexico, for a permit to inject fluid into a formation that is productive of oil or gas. The application proposes to inject fluid in the Upper Bone Spring formation in the Federal "E" No. 11. The proposed injection well is located 11-1/2 miles South of Maljamar, New Mexico in the Querecho Plains-Upper Bone Spring Field, Lea County, New Mexico. Fluid will be injected into strata in the subsurface depth interval from 8360 feet to 8388 feet and 8450 feet to 8486 feet.

A public hearing has been scheduled for July 9, 1992. A request for further information concerning any aspect of the application should be submitted in writing within 15 days of publication to the State of New Mexico, Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87504, Telephone (505) 827-5807.



Form 3160-5

UNITED STATES

FO	RM APPE	ROVED
Budget 1	Bureau No	. 1004-013
Frair	ec Murch	. 11 1001

		and the second s	Expires: Murch 31, 1993
	BUREAU OF L	AND MANAGEMENT	5. Lease Designation and Serial No.
	NM-4609		
Do not use this for Us	6. If Indian, Allottee or Tribe Name		
	7. If Unit or CA, Agreement Designation		
1. Type of Well			
Oil Gas Well Well	8. Well Name and No.		
2. Name of Operator	Other		FEDERAL "E" #11
	Oil Company		9. API Well No.
3. Address and Telephone No.	 7698, Tyler, To	evae 75711	30-025-2951.6 10. Field and Pool, or Exploratory Area
	Sec., T., R., M., or Survey De		- OUERECHO PLAINS -
		ec. 27, T18S-R32E	UPPER BONE SPRING 11. County or Parish, State Lea
CHECK A	APPROPRIATE BOX(s	s) TO INDICATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF S	SUBMISSION	TYPE OF ACTION	
Notice of	Intent	Abandonment	Change of Plans
		Recompletion	New Construction
Subseque	nt Report	Plugging Back	Non-Routine Fracturing
		Casing Repair	Water Shut-Off
∟J Final Ab	andonment Notice	Altering Casing Other	Conversion to Injection
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give subsurface local	tions and measured and true vertice	Il pertinent details, and give pertinent dates, including estimated date of startine call depths for all markers and zones pertinent to this work.)* Onvert the subject well to wat	Completion or Recompletion Report and Log turning any proposed work. If well is directionally drill
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MEWBOURNE OIL COMPANY

P.O. BOX 7698
TYLER, TEXAS 75711
903 - 561-2900
FAX 903 - 561-1870
May 15, 1992

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
NO. P 960 242 147

State of New Mexico Oil Conservation Commission P. O. Box 2088 Santa Fe, New Mexico 87504

Attention: Mr. David Catanach

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Re: Application for Authorization to Inject - Government "K" No. 2
Unit K. Sec. 23. T18S-R32E

Unit K, Sec. 23, T18S-R32E Lea County, New Mexico

Gentlemen:

Enclosed please find the following documents which are submitted in support of our application to convert the subject well to water injection.

- 1. The original and one (1) copy of OCD Form C-108 and all appropriate attachments except for analysis of the proposed injection waters. These waters are currently at a laboratory and results will be forwarded upon completion.
- 2. A copy of analogous information which has been submitted to the BLM in Carlsbad.

Per our phone conversation we do understand that this application cannot be administratively approved and request that a hearing be set for June 11, 1992. Also, please be reminded that converting the subject well to injection is being performed as an injectivity test in cooperation with potential participants in a proposed Querecho Plains-Bone Spring Unit.

If further information is required, please advise.

Very truly yours,

MEWBOURNE OIL COMPANY

Kevin Mayes Engineer

KM:gt
Enclosures

Copy to: Oil Conservation Division

Hobbs, New Mexico

of the earlier submittal.

OIL CONSERVATION DIVISION

POST OFFICE BOX WHILE STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87501

APPLICA	ION FOR AUTHORIZATION TO INJECT Purpose: Secondary Recovery Pressure Maintenance Disposal Storage	
	Application qualifies for administrative approval? yes no Operator: Mewbourne Oil Company	
II.		_
	Address: P. O. Box 7698, Tyler, Texas 75711 Contact party: Kevin Mayes/Ken Calvert Phone: (903) 561-2900	_
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?yesno If yes, give the Division order number authorizing the project	
٧.	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 whipenetrate 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.	ich
VII.	Attach data on the proposed operation, including:	
	 Proposed average and maximum daily rate and volume of fluids to be injected; Whether the system is open or closed; Proposed average and maximum injection pressure; Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and 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 lithological, 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.	gia
IX.	Describe the proposed stimulation program, if any.	
ч х.	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	m.
XIV.	Certification	•
	I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.	ec t
	Name: Keyin Mayes Title Engineer	
	Name: Keyin Mayes Title Engineer Signature: May 15, 1992	

ITEM III OF NEW MEXICO OCD FORM C-108 INJECTION WELL DATA SHEET

openation 2	1950' FSL, 1980'	trast FWL 23	18\$	32E	
WELL NO.	TOOTAGE LOCATION	SECTION	1000	RANGE	
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ITEM V OF NEW MEXICO OCD FORM C-108 MAP OF ALL WELLS WITHIN 2 MILES OF INJECTOR QUERECHO PLAINS GOVERNMENT "K" NO. 2

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ITEN VI OF NEW MEXICO FORM C-108 WELLS WITHIN REVIEW AREA WHICH PENETRATE THE IST BONE SPRING SAND QUERECHO PLAINS GOVERNMENT K #2

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SPRINKLE FED #2	FEO L#1	QUERECHO FEO #2	QUERECHO FED #1	FED F#3	FED L#2	FEO L#7	FED L#3	CEDAR LAKE FED #2	MURJO FEO #1	LEASE/WELL
T18S, R32E, SEC 26 660 FNL, 1980 FWL	T18S, R32E, SEC 23 660 FSL, 1980 FEL	T185, R32E, SEC 23 760 FSL, 2310 FWL	T185, R325, SEC 23 610 FSL, 760 FWL	T18S, R32E, SEC 23 1980 FSL, 990 FWL	T18S, R32E, SEC 23 2310 FSL, 2030 FEL	T185, R32E, SEC 23 2310 FSL, 990 FEL	T13S, R3ZE, SEC 23 1980 FNL, 1650 FEL	T18S, R32E, SEC 23 1980 FNL, 1990 FWL	T185, R32E, SEC 23 1850 FNL, 990 FNL	LOCATION
110	011	011	110	011	011	011	OIL	OIL	011	3471
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10/3/85	4/22/86	5/6/86	12/31/85	12/31/86	10/14/86	5/14/88	6/19/87	11/10/86	6/25/87	DATE DRILLED
8711	9050'	9100,	9580*	8570'	8750'	8670'	8698*	8700'	11780'	10
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ITEM VII OF NEW MEXICO OCD FORM C-108 DATA ON PROPOSED OPERATIONS QUERECHO PLAINS GOVERNMENT K #2 5-12-92/KMM

- ITEM VII (1) Proposed maximum injection rate is 800 bwpd/injector.
- ITEM VII (2) The injection system will be operated as a closed system.
- ITEM VII (3) The injection pressure will be held to a maximum of 1690 psi (0.2 psi/ft * 8454'). If no detriment is seen from this pressure then administrative approval may be requested for higher pressures.
- ITEM VII (4) The source of injection water will be produced water from the Bone Spring, Delaware and/or Queen formations. If additional water is required the city of Carlsbad will be approached for a tap on their Caprock system. A copy of the water analyzes is attached.
- ITEM VII (5) Not applicable.

ITEM VIII OF NEW MEXICO OCD FORM C-108 GEOLOGIC DATA ON THE INJECTION ZONE & UNDERGROUND DRINKING WATER QUERECHO PLAINS GOVERNMENT K #2 5-12-92/KMM

The zone being targeted for water injection at Querecho Plains is the First Bone Spring sand at depths from 8328'-8620' in the well Federal L NO. 4, Section 23, T18S, R32E. The First Bone Spring sands are a sequence of well consolidated sandstone, siltstone, and shale strata, with localized carbonate deposition, of Permian age cemented with calcareous material. An eight percent porosity cut off is use to determine net pay as porosity less than eight percent is considered impermeable at the existing and proposed reservoir pressure and reservoir fluid regimes. Impermeable carbonate deposits exist above and below the targeted sands thus defining the permeable limits of the reservoir. All injected fluids should remain in the reservoir with the exception of cycling to the surface though wellbores.

Based on communications with the New Mexico State Engineer's Roswell office (Ken Fresquez) and OCD files at Hobbs there appears to be only one fresh water well within T18S & R32E. This well's total depth was 270' and is located in the NW, NW, SE, SE, NW of section 20. The source strata tapped by this well is the Triassic "Red Beds" and the only other strata Mr. Fresquez referred to as potentially fresh was the Alluvium which is shallower than the "Red Beds". There are no known fresh water strata underlying the Bone Spring.

ITEMS IX THROUGH XII QUERECHO PLAINS GOVERNMENT K #2 5-12-92/KMM

- ITEM IX. Government K #2 has an existing fracture stimulation and it is assumed that the well will be treated with acid at least once during the life of injection.
- ITEM X. All logging and test data for the existing wellbores already exists on file with the state of New Mexico Oil Conservation Division (OCD) and will not be resubmitted with this application.
- ITEM XI. As stated in ITEM VIII, it appears the only strata within one mile of our proposed unit which contains water of possible drinking quality is confined to 270' and shallower. No contamination of this drinking water should occur as all existing wellbores which penetrate the Bone Spring in the proposed area have surface casing set at a minimum depth of 350' with cement completely circulated behind this casing from setting depth to surface. In addition and to the best of my knowledge there are no fresh water wells within one mile of this proposed injector.
- ITEM XII. After reviewing the geology of the Bone Spring Sand strata in a one and one-half mile radius around the proposed unit area, no evidence appears of fractures or any hydrologic connection between the target sands and any overlying or underlying strata.

MEWBOURNE OIL COMPANY APPLICATION FOR AUTHORIZATION TO INJECT GOVERNMENT "K" NO. 2 LEA COUNTY, NEW MEXICO

CERTIFICATE OF SERVICE

I, Kevin Mayes, Engineer, Mewbourne Oil Company, Operator of the Government "K" No. 2, have on this 15th day of May 1992, mailed or caused to be mailed, postage prepaid a copy of the Application for Authorization to Inject to the following persons at the address shown:

LAND OWNER

P. O. Box 1397 Roswell, New Mexico 88220

OFFSET OPERATORS

Ken Barbee
Monzano Oil Corporation
P. O. Box 2107
Roswell, New Mexico 88202-2107

Edith Petty
Esperonza Energy Corporation
17400 Dallas Parkway, Suite 210
Dallas, Texas 75287-7399

C. W. Stumhoffer General Operating Company 1007 Ridglea Bank Building Fort Worth, Texas 76116

Tom Brandt
Marshall & Winston, Inc.
P. O. Box 50880
Midland, Texas 79710-0880

Clarence Forister Frostman Oil Company/Happy Oil Company P. O. Drawer W Artesia, New Mexico 88210

> Kevin Mayes Engineer

Subscribed in my presence and duly sworn to before me on this 15th day of May, 1992.

GAYLON THOMPSON Notary Public, State of Texas My Conses. Expires 4/90/93

Notary Public in and for Smith County, Texas

MEWBOURNE OIL COMPANY

P.O. BOX 7698

TYLER, TEXAS 75711

903 - 561-2900

FAX 903 - 561-1870

June 15, 1992

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
NO. P 761 530 582

Joyce Clemmons Lovington Leader P. O. Drawer 1717 Lovington, New Mexico 88260 (505) 396-2844

Dear Mrs. Clemmons:

Please run the enclosed notices in your paper for one (1) day and invoice us for the advertisement at the above address. Please return your sworn affidavit along with a copy of the clipping of the published notices in the envelope provided.

Your prompt attention in regard to this matter is greatly appreciated.

Very truly yours,

MEMBOURNE OIL COMPANY

Gaylon Thompson

Engineering Operations Secretary

Attachments

LEGAL NOTICE NOTICE OF APPLICATION FOR FLUID INJECTION WELL PERMIT

P. O. BOX 7698 TYLER, TEXAS 75711

has applied to the State of New Mexico, Oil Conservation Division, Santa Fe, New Mexico, for a permit to inject fluid into a formation that is productive of oil or gas. application proposes to inject fluid in the Upper Bone Spring 2. formation in the Government " K " No. The proposed injection well is located 11-1/2 miles South of Maljamar, New Mexico in the Querecho Plains-Upper Bone Spring Field, Lea County, New Mexico. Fluid will be injected into strata in the subsurface depth interval from 8454 feet to 8515 feet.

A public hearing has been scheduled for July 9, 1992. A request for further information concerning any aspect of the application should be submitted in writing within 15 days of publication to the State of New Mexico, Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87504, Telephone (505) 827-5807.

Form 3160-5 (June 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 11, 1993

5. Lease Designation and Serial No.

USA-NM-0554967 6. If Indian, Allottee or Tribe Name

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

USE APPLICATION FO	of Sermit — for such proposals	
SUBMI	T IN TRIPLICATE	7. If Unit or CA, Agreement Designation
1. Type of Well Well	8. Well Name and No. GOVERNMENT "K" #2 9. API Well No. 30-025-29749 10. Field and Pool, or Exploratory Area OUERECHO PLAINS- UPPER BONE SPRING 11. County or Parish, State LEA	
CHECK APPROPRIATE BOX	(s) TO INDICATE NATURE OF NOTICE, RE	PORT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACT	ION
Notice of Intem	Abandonment	Change of Plans
Subsequent Report	Recompletion Plugging Back Casing Repair	New Construction Non-Routine Fracturing Water Shut-Off
Final Abandonment Notice	Other	Conversion to Injection Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form)

Operator proposes to convert the subject well to water injection in a cooperative manner prior to unitization. Injection will be through the current existing perforations. The water to be injected will be produced water from the Bone Spring, Delaware and/or Queen formations. If additional volumes of water are required, the City of Carlsbad may be approached for a tap on their Caprock System.

14. I hereby certify that the foregoing is true and correct Signed Awin Mayb							:
Signed Maryle Maryle	Title	Engineer	Date	May	15,	1992	
(This space for Federal or State office use)							:
Approved by	Title		Date	·····			,

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CAPROCK LABORATORIES, INC. 3312 BANKHEAD HIGHWAY MIDLAND, TEXAS 79701 (915) 689 - 7252

May 21, 1992

Mewburne Oil Company P. O. Box 7698 Tyler, Texas 75711

Attention: Kevin Mays

Subject: Water Compatibility Study

Gentlemen:

CE CONFINALISTI DINSION

Presented in this report are the final results of a water compatibility study performed on 5 samples of produced water provided to this laboratory by Core Laboratory on behalf of Mewburne Oil Company. API Water Analysis was performed on each of the samples to determine their ionic characteristics. Based on these analyses, the scaling tendency with respect to cacium carbonate and calcium sufate were calculated and reported on May 19, 1992 (our Job Number 9205032). The samples were physically mixed to determine if precipitates would form. Turbidity was measured as percent transmittance on each of the combinations at 420 nanometers wavelength on a Milton Roy Model 601 Spectrophotometer.

The turbidity data are presented in this report and indicated that the water from the Federal "E" #5 tank battery (Queen Formation) and the water from the Cedardrake Federal #4 well formed precipitates whe^C combined in the ratios tested (very slight decreaces in transmittance were observed). Additional analyses were performed on the waters to determine their barium concentrations and are also presented in this report. Based on calculations from theoretical combinations, all of the waters have a tendency to form both calcium carbonate and calcium sulfate scale on their own and these tendencies do not increase when mixed. The fresh water from Double Eagle and the Delaware produced water from the Cedardrake Federal #4 well both have barium and therefore presents the possibility of barium sulfate scale formation when combined with waters high in sulfate.

In conclusion, based on all of the analyses and physical combinations of these waters, the Delaware produced water from the Jewitt Feed #1 appears to be the most compatible water to the Bone Springs water from the Federal "L" lease.

Respectfully yours,

Sames L. Pritchard, Lab Manager

Caprock Laboratories, Inc.

June I Puth

CAPROCK LABORATORIES, INC. 3312 BANKHEAD HIGHWAY MIDLAND, TEXAS 79701 (915) 689 - 7252

COMPANY:	MEWBURNE OIL COMPANY JOB NUMBER: 9205	5032
SAMPLE NUMBER	SAMPLE DESCRIPTION	
1 2 3 4 5	FEDERAL "E" #5 T.B. (QUEEN FORMATION) JEWITT FEED #1 (DELAWARE FORMATION) DOUBLE EAGLE (FRESH WATER) CEDARDRAKE FEDERAL #4 (DELAWARE FORMATION) FEDERAL "L" LEASE (BONE SPRINGS FORMATION)	

MIXTURE	TURBITY, % TRANS. @ 420 uM
1-5	96.6
2-5	100.
3-5	100.
4-5	99.5
1-2-5	94.3
1-3-5	95.3
1-4-5	98.8
2-3-5	100.
2-4-5	98.8
3-4-5	99.7
ALL	97.7



CAPROCK LABORATORIES,

3312 Bankhead Hwy. Midland, Texas 79701 (915) 689-7252 FAX # (915) 689-0130

WATER ANALYSIS REPORT

SAMPLE

MANZANO OIL Oil Co. :

Lease : JEWITT FEED Well No.: #1 Job No.: 9205032

Sample Loc. : Date Sampled :

DELAWARE PROD.

EQ. WT.

Attention

Analysis No. :

MG/L_

COMPOUND

*MEQ/L

ANALYSIS

pH Specific Gravity 60/60 F. $\frac{1.165}{1.052}$ CaCO₃ Saturation Index @ 80 F. ± 1.052 @ 140 F. ± 2.812

Dissolved Gasses

Hydrogen Sulfide Carbon Dioxide Dissolved Oxygen 0.0 Not Determined Not Determined

Cations

7.	Calcium	(Ca**)		24,529	/ 20.1 =	1,220.35
8.	Magnesium	(Mg**)		2,772	/ 12.2 =	227.21
9. 10.	Sodium Barium	(Mg**) (Na*) (Ba**)	(Calculated)	52,982 0,0	/ 23.0 =	2,303.57

Anions

11. Hydroxyl (OH- 12. Carbonate (CO ₃ 13. Bicarbonate (HCO 14. Sulfate (SO ₄ 15. Chloride (CI-	0 5	17.0 30.0 61.1 48.8 35.5	=======================================	0.00 0.00 1.00 15.37 3,735.04
16. Total Dissolved		18 2	=	0.84

Total Fron (re)
Total Hardness As CaCO_{3.6}
Resistivity @ 75 F. (Calculated) 18. 72,665 19. 0.001 / cm.

LOGARITHMIC WATER PATTERN

xmeq/L.
Na philippe print philippe philippe trippe C1
Ca milli milli milli ettim tilim tilim tilim HCO3
Mg :::::: :::::::::::::::::::::::::::::
Fe
Calculated Calcium Sulfate solubility in this brine is 590 mg/L. at 90 F.

Ca(HCO_x)₂ 81.04 1.00 81 CaSO₄ 68,07 15.37 1,046 CaCl₂ 55.50 1,203.98 66,821 Mg (HCO₃)₂ 73.17 0.00 0 MgSO. 60.19 0.00 0 47.62

PROBABLE MINERAL COMPOSITION POUND EQ. WT. X *meq/L = mg/L.

MgCL₂ 227,21 10,820 NaHCO₃ 84.00 0.00 Na SO. 71.03 0.00

0

0

2,303.85 134,683 NaC1 58.46

Remarks and Comments:



CAPROCK LABORATORIES, INC.

3312 Bankhead Hwy. Midland, Texas 79701 1915) 689-7252 FAX 1 (915) 689-0130

WATER ANALYSIS REPORT

SAMPLE

Oil Co. : Lease: DOUBLE EAGLE-Well No.: FRESH WATER Job No.: 9205032 Sample Loc. : Date Sampled : Attention : Analysis No. :

ANALYSIS

EQ. WT. *MEQ/L MG/L

pH Specific Gravity 60/60 F. 0.996 CaCO₃ Saturation Index @ 80 F. +1.548 @ 140 F. +2.388

Dissolved Gasses

4.	Hydrogen Sulfide		0.0
5.	Carbon Dioxide	Not	Determined
6.	Dissolved Oxygen	No t	Determined

Cations

7. 8. 9. 10.	Calcium Magnesium Sodium Barium	(Ca**) (Mg**) (Na*) (Ba**)	(Calculated)	200 304 2,507 6	/ 20.1 = / 12.2 = / 23.0 = / 68.7 =	9.95 24.92 109.00 0.09
Δ	nions				:	
11. 12. 13.	Hydroxyl Carbonate Bicarbonate	(HCO ² -) (CO ² -)		0 0 183	/ 17.0 = / 30.0 = / 61.1 =	0.00 0.00 3.00

Sulfate (SO.*)
Chloride (Cl*) 50 4,963 / 48.8 = / 35.5 = 139.80 Total Dissolved Solids 8,213 Total Iron (Fe) 1 Total Hardness As CaCO₃ 1,752 Resistivity @ 75 F. (Calculated) 0.685 /cm. 16. / 18.2 = 17. 0.05 18.

19.

1.0	GARTI	HMIC	WATER	PATTERN
		* mc	2q/1	

LOGARITHMIC WATER PATTERN		LE MINERA		
¥meq/L.	COMPOUND	EQ. WI.	X *meq/L =	= mg/L.
Na minitti minitti minitti minitti - - - - - - - - -	Ca(HCO _s) ₂	81.04	3.00	243
Ca mutt mutt mutt the thin the thin HCO3	CaSO₄	68.07	0.94	64
Mg mint mint mint mint timm timm time time sou	CaCl ₂	55.50	6.02	334
Fe WILL WILL WILL SHIP THIN THIN THIN COS 1000 1000 100 10 1 10 100 1000 1000	Mg (HCO ₃) ₂	73.17	0.00	Ò
*Milli Equivalents per Liter	MgSO ₄	60.19	0.00	0
Calculated Calcium Sulfate solubility in this brine is 2,814 mg/L. at 90 F.	MgCL ₂	47.62	24.92	1,187
through the rail 2,014 mg/L. at 50 f.	NaHCO ₃	84.00	0.00	O
	NaSO.	71.03	0.00	Q
$\mathcal{J}(t)$	NaCl	58,46	108.87	6,364

Remarks and Comments:



LABORATORIES, INC.

7 3312 Bankhead Hwy. Midland, Texas 79701 (915) 689-7252 FAX # (915) 689-0130

WATER ANALYSIS REPORT

SAMPLE

Oil Co. : MEWBOURNE OIL CO.

Lease: FEDERAL E Well No.: #5 T.B. Job No.: 9205032

Sample Loc. : Date Sampled :

QUEEN PENCOSE PROD. WATER

*MEQ/L

EQ. WT.

Attention

Analysis No. : 1

MG/L

ANALYSIS

pH Specific Gravity 60/60 F. 1.171 CaCO₃ Saturation Index @ 80 F. +1.948 @ 140 F. +2.648

Dissolved Gasses

Hydrogen Sulfide Carbon Dioxide Dissolved Oxygen

0.0 Not Determined Not Determined

Cations

7. 8. 9.	Calcium Magnesium Sodium Barium	(Ca**) (Mg**) (Na*) (Ba**)	(Calculated)	8,978 8,266 94,120 0.0	/ 20.1 = / 12.2 = / 23.0 =	446.67 677.54 4,092.17
10.	Barium	(Barr)		0.0		5014

Anions

1

~-					
13. 14.	Hydroxyl (OH ⁻) Carbonate (CO ₃ ⁻) Bicarbonate (HCO ₃ ⁻) Sulfate (SO ₄ ⁻) Chloride (Cl ⁻)	0 85 1,950	/ 17.0 = / 30.0 = / 61.1 = / 48.8 = / 35.5 =	$\begin{array}{c} 1.39 \\ 39.96 \end{array}$	521
17. 18.	Total Dissolved Solids Total Iron (Fe) Total Hardness As CaCO, Resistivity @ 75 F. (Calcula	56,450	/ 18.2 =	1.21	

LOGARITHMIC WATER PATTERN *meq/L.	PROBAB COMPOUND	LE MINER EQ. WT.	AL COMPOS X *meq/L	TION = mg/L.
Na ##### ##### C1	Ca(HCO ₃) ₂	81.04	1.39	113
Ca will my will will think think think HCO3	CaSO₄	68.07	39.96	2,720
Mg	CaCl ₂	55.50	405.32	22,495
Fe WHILL WHILL WITH THUN THUN THUN CO3	Mg(HCO ₃) ₂	73.17	0.00	0
*Milli Equivalents per Liter	MgSO₄	60.19	0.00	0
Calculated Calcium Sulfate solubility in this brine is 1,232 mg/L. at 90 F.	MgCL₂	47.62	677.54	32,265
	NaHCO:	84.00	0.00	0
1	NaSO.	71.03	0.00	Ō
X Lea	NaC1	58,46	4,090.30	239,119

malyst

lemarks and Comments:



CAPROCK LABORATORIES,

3312 Bankhead Hwy. Midland, Texas 79701 (915) 689-7252 FAX # (915) 689-0130

WATER ANALYSIS REPORT

SAMPLE

Oil Co.: MEWBOURNE OIL CO. Lease: CEDARDRAKE FEDERAL Well No.: #4

Sample Loc. : Date Sampled :

DELAWARE PROD. WATER

Attention

Job No.: 9205032

Analysis No. :

ANALYSIS

EQ. WT. *MEQ/L MG/L

pH Specific Gravity 60/60 F. 1.148 CaCO₃ Saturation Index @ 80 F. +0.668 @ 140 F. +1.778

Dissolved Gasses

4.	Hydrogen Sulfide	0.0
5.	Carbon Dioxide	Not Determined
6.	Dissolved Oxygen	Not Determined

Cations

7.	Calcium	(Ca'')		14,749	1	20.1 =	733.78
8.	Magnesium	(Mg**)		2,674	/	12.2 =	219.18
9.	Sodium	(Nä+)	(Calculated)	49,932			2,170.96
10.	Barium	(Ba**)		22	/	68.7 =	0.32

Anions

11. Hydroxyl 12. Carbonate 13. Bicarbonate 14. Sulfate 15. Chloride	(CO ₃ ·) (HCO ₃ ·) (SO ₄ ·)		/ 17.0 = / 30.0 = / 61.1 = / 48.8 = / 35.5 =	0.00 0.00 0.80 26.64 3,095.89
16. Total Disso 17. Total Iron	lved Solids (Fe)	178,630 18	/ 18.2 =	0.99

Total Hardness As CaCO₃ 47,843 Resistivity @ 75 F. (Calculated) 0.014 /cm. 18. 19.

LOGARITHMIC		PATTERN
¥m∈	eq/L.	

Na	[####
Ca	MINITE MAILE MINITE ATTITUDE THE HEART HEA
Mg	911111 - 111111 - 111111 SO4
Fe 100	00 1000 100 10 1 10 100 1000 1000 *Milli Equivalents per Liter
C	alculated Calcium Sulfate solubility in

this brine is 1,111 mg/L, at 90 F.

Analyst

Remarks and Comments:

PROBABLE MINERAL COMPOSITION COUND EQ. WT. X *meq/L = mg/L. COMPOUND

Ca(HCO ₃) ₂	81.04	0.80	65
CaSO ₄	68.07	26.32	1,792
CaClz	55,50	706.66	39,220
Mg(HCO ₃) ₂	73.17	0.00	O
Mg.SO₄	60.19	0.00	0
MgCL₂	47.62	219.18	10,437
NaHCO ₃	84.00	0.00	O
NaSO ₄	71.03	0.00	0
NaCl	58.46	2,170.05	126,861



CAPROCK LABORATORIES, INC.

3312 Bankhead Hwy. Midland, Texas 79701 (915) 689-7252 FAX \$ (915) 689-0130

WATER ANALYSIS REPORT

SAMPLE

Oil Co.	:	MEWBOURNE	OIL CO.
Lease	:	FEDERAL L	LEASE

Well No.: Job No.: 9205032 Sample Loc. : Date Sampled :

BONE SPRINGS PROD. WATER

*MEQ/L

EQ. WT.

Attention

Analysis No. :

MG/L

ANALYSIS

pH Specific Gravity 60/60 F. 1.110 CaCO₃ Saturation Index @ 80 F. +0.842 @ 140 F. +1.722

Dissolved Gasses

Hydrogen Sulfide Carbon Dioxide 0.0 Not Determined Dissolved Oxygen Not Determined

Cations

7.	Calcium	(Ca**)	3,527	1	20.1 =	175.47
8.	Magnesium	(Mg**)	1,556		12.2 =	127.54
9.	Sodium	(Nă*)	(Calculated) 52,547	/	23.0 =	2,284.65
10.	Barium	(Ba**)	Not Determined			

Anions

-				
12. 13. 14.	Hydroxyl (OH ⁻) Carbonate (CO ₃ ⁻) Bicarbonate (HCO ₃ ⁻) Sulfate (SO ₄ ⁻) Chloride (Cl ⁻)		/ 17.0 = / 30.0 = / 61.1 = / 48.8 = / 35.5 =	0.00 0.00 2.60 26.64 2,556.62
17.	Total Dissolved Solids Total Iron (Fe)	149,849 28	/ 18.2 =	1.51

Total Hardness As CaCO₃ Resistivity @ 75 F. (Calculated) 15,214 0.037 /cm. 18. 19.

LOGARITHMIC WATER PATTERN Xmeq/L.

Nэ		 	 	######	- -			 	CI
Ca	111111-1-	-4-11111	1111111-1-	 		++++	-+++!!!!		нсоз
Mg	 	 	HULL	######		}		-+++++	S04
Fe 100	00 10	 	00	10			00 13	000 1	CD3
		*Mill	i Eq	űľval	lentê	per	Lite	∋r	

Calculated Calcium Sulfate solubithis brine is 4,032 mg/L. at 90	lity F.	in
------------------------------------------------------------------	------------	----

K	Pea	
Malyst		_

COMPOUND	EQ. WI.	X *meq/L =	= mg/L.
Ca(HCQ ₃) ₂	81.04	2.60	211
Ca.SO₄	68.07	26.64	1,813
CaCl ₂	55.50	146.23	8,116
Mg(HCO _z) ₂	73.17	0.00	0

PROBABLE MINERAL COMPOSITION

73.17	0.00	Q
60.19	0.00	C
47.62	127.54	6,074
84,00	0.00	C
7i.03	0.00	C
	60.19 47.62 84.00	60.190.0047.62127.5484.000.00

Na CT 58,46 2,282.85 133,455

Remarks and Comments:

BEFORE THE NEW MEXICO OIL CONSERVATION DIVISION

APPLICATION OF MEWBOURNE OIL COMPANY FOR TWO SECONDARY RECOVERY PILOT PROJECTS, LEA COUNTY, NEW MEXICO.

No. 10,497

AFFIDAVIT REGARDING NOTICE

STATE OF NEW MEXICO)
) ss
COUNTY OF SANTA FE)

Kevin Mayes, being duly sworn upon his oath, deposes and states:

- 1. I am over the age of 18 and have personal knowledge of the matters stated herein.
 - 2. I am an employee of Applicant herein.
- Applicant has conducted a good faith, diligent effort to find the correct addresses of interest owners entitled to receive notice of the Application herein.
- Notice of the Application was provided to the interest owners at their correct addresses by mailing them, by certified mail, copies of the Form C-108 for the two subject wells. Copies of the certified return receipts are attached hereto as Exhibit A.
- 5. The notice provisions of Rule 1207 have been complied with.

Subscribed and sworn to before me this __8th_ day of July, 1992, by Kevin Mayes.

My commission expires:

September 25, 1994.

	and z when additional	services are desired, and complete item
3 and 4.		side. Failure to do this will prevent this card
from being returned to you. The retu	rn receint fee will provide	you the name of the person delivered to and
the date of delivery. For additional for	ees the following service	s are available. Consult postmaster for fees
and check box(es) for additional ser 1. Show to whom delivered, delivered, delivered, delivered delivered.	late, and addressee's ad	dress. 2. Aestricted Delivery (Extra charge)
3. Article Addressed to:	charge)	4. Article Number
A. C.	C	1,000
MR. TOM WESTLIN		Type of Service:
MARATHON OIL CO	MPANY	Registered Insured
P. O. BOX 552		Certified COD
MIDLAND, TEXAS	79702	Return Receipt
		ioi iviercitatidise
		Always obtain signature of addressee or agent and DATE DELIVERED.
5. Signature — Addressee		8. Addressee's Address (ONLY if
x		requested and fee paid)
6. Signature - Agent	+ 1 at	¹ ለ.
x Aller & Don	1 In as	14
7. Date of Delivery	15 1900	┪
7. Date of Delivery	189Z	
	U. a.	
PS Form 3811, Apr. 1989	*U.S.G.P.O. 1989-238-81	5 DOMESTIC RETURN RECE
SENDER: Complete items 1	and 2 when additional	services are desired, and complete item
3 and 4. Put your address in the "RETURN T	O" Space on the reverse	side. Failure to do this will prevent this car
I from being returned to you. The retu	irn receipt fee will provide	you the name of the person delivered to an
and check box(es) for additional se	tees the following service rvice(s) requested.	es are available. Consult postmaster for fee
 I. □ Show to whom delivered, 	date, and addressee's a	ddress. 2. Restricted Delivery
(Extra	charge)	(Extra charge)
3. Article Addressed to:		4. Article Number
MR. JAMES GUY		
JFG ENTERPRISES		Type of Services
		Registered Insured
P. O. BOX 100		Certified COD
ARTESIA, NEW ME	XICO 88210	Return Receipt
		- Tor Werchandise
		Always obtain signature of addressee or agent and DATE DELIVERED.
5. Signature — Addressee		8. Addressee's Address (ONLY if
x x / Ot	- 1	requested and fee paid)
6 5	-c~-	
6. Signature – Agent	7)	
X		· ANNERS .
7 Date of Dolivery		als ·
7. Date of Delivery	•	art.
6-16-92	• ***	
6-16-92	★U.S.G.P.O. 1989-238-8	DOMESTIC RETURN RECE
	★U.S.G.P.O. 1989-238-8	DOMESTIC RETURN RECE
6-16-92 PS Form 3811, Apr. 1989		
6-16-92 PS Form 3811, Apr. 1989		DOMESTIC RETURN RECE
6-16-92 PS Form 3811, Apr. 1989 SENDER: Complete items 1 3 and 4. Put your address in the "RETURN T	and 2 when additional	services are desired, and complete item
PS Form 3811, Apr. 1989 SENDER: Complete items 1 3 and 4. Put your address in the "RETURN Tom being returned to you. The return the date of delivery. For additional the date of delivery. For additional the date of delivery.	and 2 when additional	services are desired, and complete item
PS Form 3811, Apr. 1989 SENDER: Complete items 1 3 and 4. Put your address in the "RETURN T from being returned to you. The returned to you. The returned to you additional and check box(es) for additional set.	and 2 when additional TO' Space on the reverse arn receipt fee will provide fees the following service ryice(s) requested	services are desired, and complete item side. Failure to do this will prevent this car you the name of the person delivered to an es are available. Consult postmaster for fee
PS Form 3811, Apr. 1989 SENDER: Complete items 1 3 and 4. Put your address in the "RETURN T from being returned to you. The returned the date of delivery. For additional sand check box(es) for additional set. Show to whom delivered,	and 2 when additional TO'' Space on the reverse urn receipt fee will provide fees the following service rvice(s) requested. date, and addressee's a	services are desired, and complete item is side. Failure to do this will prevent this care you the name of the person delivered to an es are available. Consult postmaster for fee ddress. 2. Restricted Delivery
PS Form 3811, Apr. 1989 SENDER: Complete items 1 3 and 4. Put your address in the "RETURN T from being returned to you. The rett the date of delivery. For additional and check box(es) for additional set 1. Show to whom delivered, (Extra	and 2 when additional TO' Space on the reverse arn receipt fee will provide fees the following service ryice(s) requested	services are desired, and complete item side. Failure to do this will prevent this care you the name of the person delivered to an es are available. Consult postmaster for fee ddress. 2. 2. 3. 4. 4. 4. 4. 4. 4. 4
PS Form 3811, Apr. 1989 SENDER: Complete items 1 3 and 4. Put your address in the "RETURN 1 from being returned to you. The returned to delivery. For additional set the date of delivery. For additional set 1. Show to whom delivered, (Extra) 3. Article Addressed to:	and 2 when additional TO'' Space on the reverse urn receipt fee will provide fees the following service rvice(s) requested. date, and addressee's a	services are desired, and complete item is side. Failure to do this will prevent this care you the name of the person delivered to an es are available. Consult postmaster for fee ddress. 2. Restricted Delivery
PS Form 3811, Apr. 1989 SENDER: Complete items 1 3 and 4. Put your address in the "RETURN T from being returned to you. The returned to delivery. For additional and check box(es) for additional set 1. Show to whom delivered, (Extra) 3. Article Addressed to: MR. TONY MEYER	and 2 when additional TO'' Space on the reverse arn receipt fee will provide fees the following service (s) requested. date, and addressee's acharge)	services are desired, and complete item side. Failure to do this will prevent this care you the name of the person delivered to an es are available. Consult postmaster for fee ddress. 2. Restricted Delivery (Extra charge) 4. Article Number
PS Form 3811, Apr. 1989 SENDER: Complete items 1 3 and 4. Put your address in the "RETURN 1 from being returned to you. The returned to delivery. For additional set the date of delivery. For additional set 1. Show to whom delivered, (Extra) 3. Article Addressed to:	and 2 when additional TO'' Space on the reverse arn receipt fee will provide fees the following service (s) requested. date, and addressee's acharge)	services are desired, and complete item side. Failure to do this will prevent this care you the name of the person delivered to an es are available. Consult postmaster for fee ddress. 2. Restricted Delivery (Extra charge) 4. Article Number Type of Service:
PS Form 3811, Apr. 1989 SENDER: Complete items 1 3 and 4. Put your address in the "RETURN T from being returned to you. The returned to you. The returned to you for additional and check box(es) for additional set of the date of delivery. For additional set of the second sec	and 2 when additional TO'' Space on the reverse arn receipt fee will provide fees the following service (s) requested date, and addressee's acharge)	services are desired, and complete item side. Failure to do this will prevent this care you the name of the person delivered to an es are available. Consult postmaster for fee ddress. 2. Restricted Delivery (Extra charge) 4. Article Number Type of Service: Registered Insured
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(Extra charge)	(Extra charge)
3. Article Addressed to: Joyce Clemmons	4. Article Number P-761 530 582
	Type of Service:
Lovington Leader	Registered Insured
P. O. Drawer 1717	Certified COD
Lovington, New Mex. 88260	Express Mail Return Receipt for Merchandise
<u> </u>	Always obtain signature of addressee
	or agent and DATE DELIVERED.
5. Signature (Addressee)	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature – Agent	- 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1
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7. Date of Delivery	┪
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PS Form 3811, Apr. 1989 *U.S.G.P.O. 1989-238-8	15 DOMESTIC RETURN RECEIF
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from being returned to you. The return receipt fee will provide the date of delivery. For additional fees the following services	you the name of the person delivered to and
and check box(es) for additional service(s) requested. 1. 🙀 Show to whom delivered, date, and addressee's additional service(s) requested.	
3. Article Addressed to:	4. Article Number
MR CLARENCE FORISTER	P 960 242 150
	Type of Service:
FROSTMAN OIL COMPANY/HAPPY	Registered Insured
OIL CO.	Certified COD
PO DRAWER W	Express Mail Return Receipt for Merchandise
ARTESIA NM 88210	Always obtain signature of addressee or agent and DATE DELIVERED.
5. Signature — Addressee	8. Addressee's Address (ONLY if
X Ocal Ross	[Fequested and fee paid)
6. Signature — Agent	1
X	,
7. Date of Delivery	
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70.5 2011	POMECTIC PETUDA PEOCIE
PS Eorm 3811, Apr. 1989 *U.S.G.P.O. 1989-238-81	5 DOMESTIC RETURN RECEIF
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and check box(es) for additional service(s) requested.	
1. Show to whom delivered, date, and addressee's ad	
(Extra charge)	(Extra charge)
3. Article Addressed to:	4. Article Number
MS EDITH PETTY	P 960 242 149
ESPERONZA ENERGY CORPORATION	Type of Service:
17400 DALLAS PARKWAY, STE 210	
	Certified COD
DALLAS TX 75287-7399	Return Receipt
	Always obtain signature of addressee
	or agent and DATE DELIVERED.
5. Signature – Addressee	8. Addressee's Address (ONLY if
V 1011	requested and fee paid)
ma cruc	
6. Signature — Agent	
X ,	<u>1</u>
7. Date of Delivery	* *5
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PS Form 3811, Apr. 1989 *u.s.g.P.o. 1989-238-81	5 DOMESTIC RETURN RECEI
CENTER Complete State 1 and 2 when additional	
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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 the date of delivery. For additional fees the following service and check box(es) for additional service(s) requested.	you the name of the person delivered to and
and check box(es) for additional service(s) requested	es are available. Consuit postinaster for rees
1. LX Show to whom delivered, date, and addressee's ac	ddress. 2. 🗀 Restricted Delivery
(Extra charge)	(Extra charge)
3. Article Addressed to:	4. Article Number
MR TONY MYER	P 960 242 145
ANADARKO PETROLEUM COPROATION	N Type of Service:
400 WEST ILLINOIS, SUITE 1300	Registered Insured
MIDLAND TX 79701	☑ Certified ☐ COD
	Express Mail Return Receipt for Merchandise
	ways obtain signature of addressee
	agent and DATE DELIVERED.
5. Signature - Addressee	8. Addressee's Address (ONLY if
X	requested and fee paid)
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6. Signature - Agent	F 1
x tarentoon	1 dame
7. Date of Delivery	

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Put your address in the "RETURN TO" Space on the reverse from being returned to you. The return receipt fee will provid	e side. Failure to do this will prevent this card
the date of delivery. For additional fees the following service	es are available. Consult postmaster for fees
and check box(es) for additional service(s) requested.	
1. 🙀 Show to whom delivered, date, and addressee's a (Extra charge)	ddress. 2. Restricted Delivery (Extra charge)
3. Article Addressed to:	4. Article Number
3. Afficie Addressed to.	
MR TOM BRANDT	P 960 242 152
MARSHALL & WINSTON INC	Type of Service:
PO BOX 50880	Registered La Insured
-	k Certified ₩ 3 ☐ COD
MIDLAND TX 79710-0880	Express Mail Return Receipt for Merchandise
	Always obtain signature of addressee
	or agent and DATE DELIVERED.
E Cincolne	8. Addressee's Address (ONLY if
5. Signature — Addressee	requested and fee paid)
X	requested and fee pana)
6. Signature – Agent	
x	
7. Date of Delivery	
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P. Wildows	
PS Form 3811, Apr. 1989 *u.s.g.P.O. 1989-238-	DOMESTIC RETURN RECE
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the date of delivery. For additional fees the following service	es are available. Consult postmaster for fee
and check box(es) for additional service(s) requested. 1. Show to whom delivered, date, and addressee's a	ddress 2
(Extra charge)	(Extra charge)
3. Article Addressed to:	4. Article Number
MR TOM WESTLING	P 960 242 146
MARATHON OIL COMPANY	
	Type of Service:
PO BOX 552	Registered Insured
MIDLAND TX 79702	Certified COD Return Receipt
	Express Mail Heturn Receipt for Merchandise
	Always obtain signature of addressee
	or agent and DATE DELIVERED.
5. Signature — Addressee	8. Addressee's Address (ONLY if
	requested and fee paid)
1 Y	
X	
6. Signature – Agent	
6. Signature – Agent 7. Date of Delivery	
6. Signature – Agent 7. Date of Delivery	
6. Signature — Agent 7. Date of Delivery MAY 19 1992	
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6. Signature — Agent 7. Date of Delivery MAY 19 1992 PS Form 3811, Apr. 1989 *U.S.G.P.O. 1989-238-4	2
6. Signature — Agent 7. Date of Delivery MAY 19 1992 PS Form 3811, Apr. 1989 *U.S.G.P.O. 1989-238-4	DOMESTIC RETURN RECE
6. Signature – Agent 7. Date of Delivery MAY 19 1992 PS Form 3811, Apr. 1989 *U.S.G.P.O. 1989-238-4 SENDER: Complete items 1 and 2 when additions	DOMESTIC RETURN RECE
6. Signature — Agent 7. Date of Delivery MAY 19 1992 PS Form 3811, Apr. 1989 *U.S.G.P.O. 1989-238-4 SENDER: Complete items 1 and 2 when addition. Put your address in the "BETURN TO" Space on the reverse.	DOMESTIC RETURN RECE
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MR KEN BARBEE	P 960 242 148
MONZANO OIL CORPORATION	Type of Service:
PO BOX 2107	Registered Insured
ROSWELL NM 88202-2107	Certified COD
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