CHECKLIST for ADMINISTRATIVE INJECTION APPLICATIONS Operator: ARCO PERMIAN Well: West RED LAKE 4 FED NO.1 Contact: GARY SMULL WOLD Title: O/A ENG. Phone: 915.688.5359 DATE IN 10.20.97 RELEASE DATE 11.4.97 DATE OUT 12.12-97 ____ WATERFLOOD ____ Expansion ____ Initial Proposed Injection Application is for: ____ Secondary Recovery ____ Pressure Maintenance Original Order: R-X SALT WATER DISPOSAL ___ Commercial Well **SENSITIVE AREAS** Capitan Reef WIPP Data is complete for proposed well(s)? 465 Additional Data Req'd ______ **AREA of REVIEW WELLS** 13 Total # of AOR / # of Plugged Wells 48 Tabulation Complete 46 Schematics of P & A's 46 Cement Tops Adequate NO AOR Repair Required **INJECTION FORMATION** Injection Formation(s) Compatible Analysis 445 **PROOF of NOTICE** Copy of Legal Notice Information Printed Correctly Copies of Certified Mail Receipts Correct Operators $\mathcal{N}^{\widehat{\partial}}$ Objection Received Set to Hearing Date NOTES:

APPLICATION QUALIFIES FOR ADMINISTRATIVE APPROVAL? $4E$						
MUNICATION WITH CONT	ACT PERSON:					
1st Contact:	Telephoned	Letter	Date	Nature of Discussion		
2nd Contact:	Telephoned	Letter	Date	Nature of Discussion		
3rd Contact:	Telephoned	Letter	Date	Nature of Discussion		

COM

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

ADMINISTRATIVE APPLICATION COVERSHEET

	THIS COVE	RSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS
Application Acr	(DHC-D	[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location] [DD-Directional Drilling] [SD-Simultaneous Dedication] [ownhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling] [C-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement] [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase] [Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]
[1] TYPE	OF AP [A]	PLICATION - Check Those Which Apply for [A] Location - Spacing Unit - Directional Drilling NSL NSP DD DSD CT 2 0 1997
	Check [B]	One Only for [B] or [C] Commingling - Storage - Measurement DHC CTB FLC PC OLS OLM
	[C]	Injection - Disposal - Pressure Increase - Enhanced Oil Recovery WFX PMX SWD IPI DEOR PPR
	****	rov provense de l'El Wille I De la l'
J NOTI	FICAT.	ION REQUIRED TO: - Check Those Which Apply, or Does Not Apply Working, Royalty or Overriding Royalty Interest Owners
	[B]	Offset Operators, Leaseholders or Surface Owner
	[C]	Application is One Which Requires Published Legal Notice
	[D]	Notification and/or Concurrent Approval by BLM or SLO U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
	[E]	To rall of the above, Proof of Notification or Publication is Attached, and/or,
	[F]	☐ Waivers are Attached
[3] INFO	RMATI	ON / DATA SUBMITTED IS COMPLETE - Statement of Understanding
Regulations of approval is acc	f the Oil curate ar	or personnel under my supervision, have read and complied with all applicable Rules and Conservation Division. Further, I assert that the attached application for administrative and complete to the best of my knowledge and where applicable, verify that all interest (WI, I further verify that all applicable API Numbers are included. I understand that any

Note: Statement must be completed by an individual with supervisory capacity.

omission of data, information or notification is cause to have the application package returned with no action

y B 8 mallword O/A Engineer Title Print or Type Name

taken.



AMOO Recursion

The control of the c

October 2, 1997

State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco
Santa Fe, New Mexico 88505

Attention: Mr. Bill Lemay

RE: Request for Administrative Approval for Drill for Injection
Arco Permian
West Red Lake 4 Federal No. 1
Sec. 4- 18S-27E, Eddy Co. NM

Gentlemen:

Please find attached our Application for Authorization to Inject in the Arco Permian West Red Lake 4 Fed. No. 1. We respectively request Administrative Approval. Included in our attachment are copies of the Proof of Notice and an Affidavit of Publication and the actual legal notice. Arco Permian intends to drill this well for injection of produced Grayburg / San Andres water.

Our maximum injection pressure request is higher than 0.2 psi per foot of depth to the upper most perforation. Our request is based on the Attached Table 1. Table 1 has been presented by Devon Energy in other applications and accepted as justification for higher injection pressures as evidenced by Administrative Order WFX - 708.

Please call me at 915-688-5359 with any questions.

Sincerely,

Gary B. Smallwood

Table 1

INJECTION WELLHEAD PRESSURE GRADIENTS

WEST RED LAKE UNIT

DEVON ENERGY CORPORATION - OPERATOR

WEST RED LAKE UNIT WELL NO.	DEPTH TO TOP PERF (FT)	FRAC GRADIENT (PSI/FT)	WELLHEAD PRESSURE GRADIENT (PSI/FT)
WELL NO. 18	1690	1.15	0.68
25	1750	1.07	0.60
35	1863	1.09	0.62
50	1644	1.35	0.88
62	1894	1.09	0.62
72	1208	1.20	0.73

OIL CONSERVATION DIVISION POST OFFICE BOX 2008 STATE LAND OFFICE BUILDING SANTA PE NEW MEXICO 87501

FORM C-108 Revised 7-1-81

APPLICATION FOR AUTHORIZATION TO INJECT

AFFLIC	ATION FOR ADTHORIZATION TO INJECT				
. I.	Purpose: X Secondary Recovery Pressure Maintenance Disposal Storage Application qualifies for administrative approval? X yes no				
II.	Operator: ARCO Permian				
	Address: 600 N. Marienfeld, Midland, Texas, 79702				
	Contact party: Gary B. Smallwood Phone: (915)688-5359				
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				
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.). 				
*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: Gary B. Smallwood Title O/A Engineer				
	Signature: Mary B Small word Date: 10/1/97				
submi	te information required under Sections VI, VIII, X, and XI above has been previously tted, it need not be duplicated and resubmitted. Please show the date and circumstance e earlier submittal.				

III. WELL D. TA

- A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:
 - (1) Lease name; Well No.; location by Section, Township, and Range; and footage location within the section.
 - (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
 - (3) A description of the tubing to be used including its size, lining material, and set ing depth.
 - (4) The name, model, and setting depth of the packer used or a description of any other sea system or assembly used.

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

- B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.
 - (1) The name of the injection formation and, if applicable, the field or pool name.
 - (2) The injection interval and whether it is perforated or open-hole.
 - (3) State if the well was drilled for injection or, if not, the original purpose of the well.
 - (4) Giv: the depths of any other perforated intervals and detail on the sacks of cement or brilge plugs used to seal off such perforations.
 - (5) Giv: the depth to and name of the next higher and next lower oil or gas zone in the are: of the well, if any.

XIV. PROOF IF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submi:ted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must inc.ude:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;
- (3) the formation name and depth with expected maximum injection rates and pressures; and
- (4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

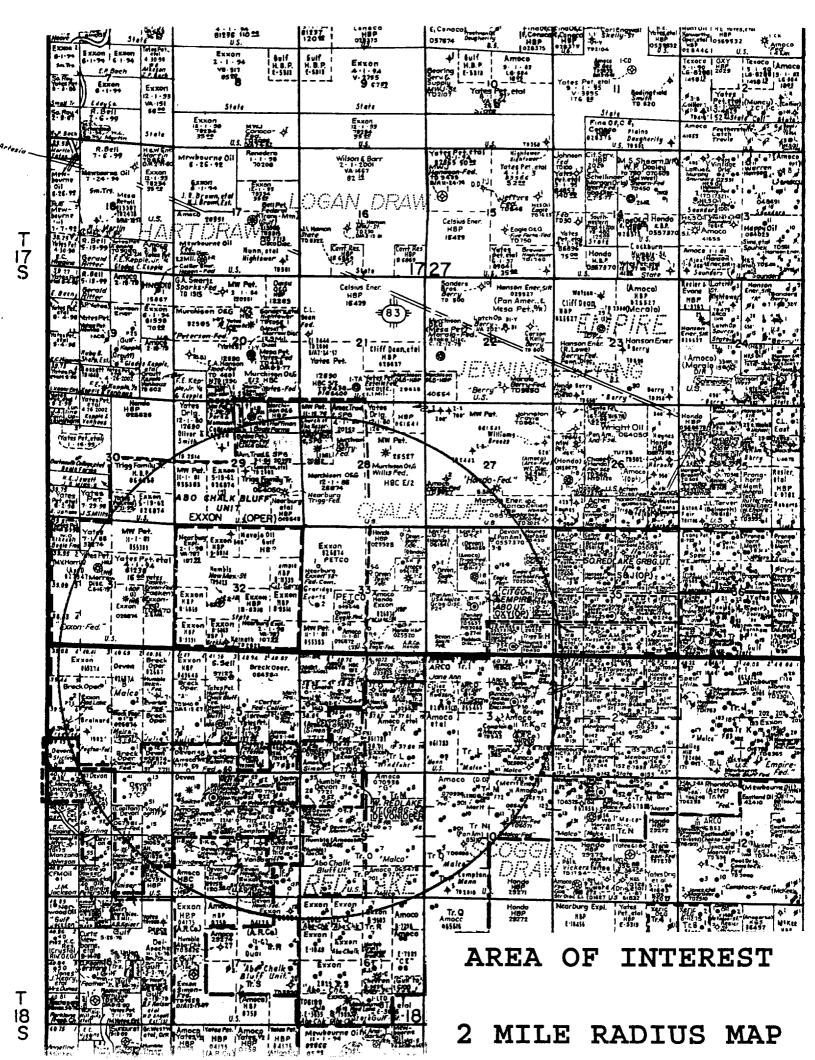
NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUB-41TTED.

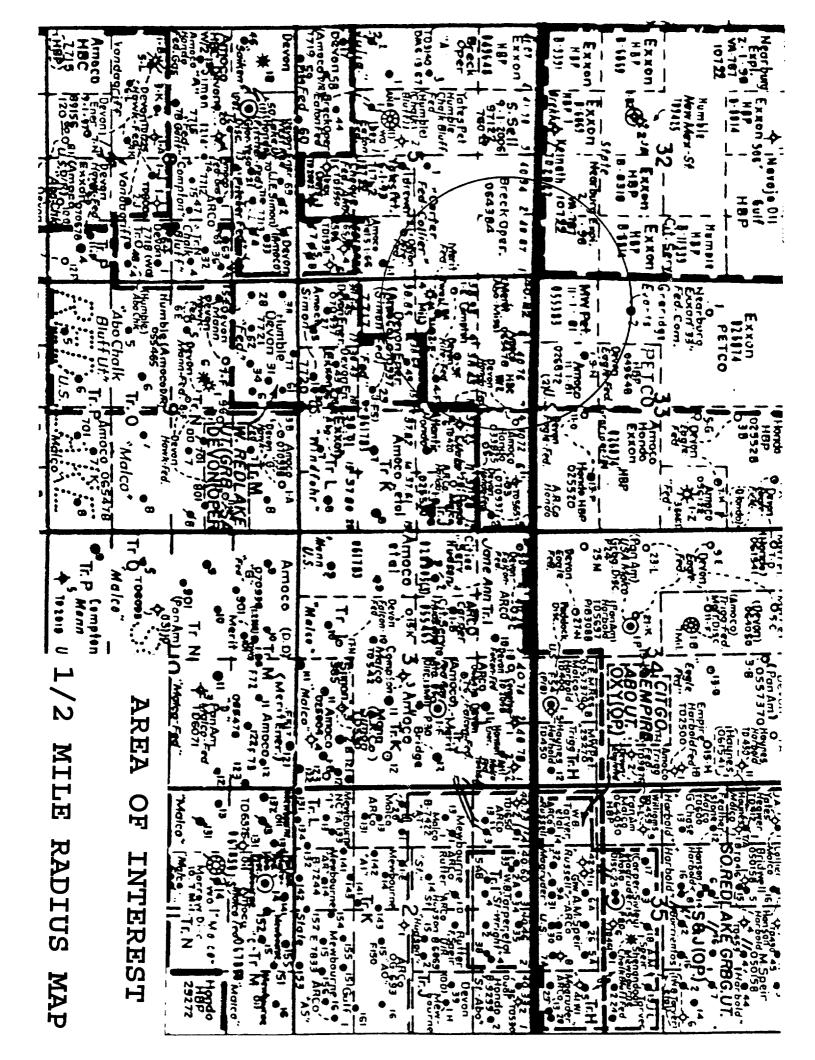
NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

C108 PART III

INJECTION WELL DATA SHEET

ARCO Perm	nian	West Red Lake "4"	' Federal No. l	
WELL NO.	660' FWL & 660' FNL FOOTAGE LOCATION		18S TOWNSHIP	27E RANGE
Sch	ematic	т	abular Data	······································
-		Surface Casing		
Soo Attao	had Wall Diagram	Size <u>8-5/8"</u>	" Cemented wit	thsx.
see Attac	hed Well Diagram	TOC Surface	feet determined by	Circulated
		Hole size 11		
		Intermediate Casing		
		Size	" Cemented wit	ths
		тос	feet determined by	·
		Hole size		
		Long string		
		Size5-1/2"	" Cemented wi	ths:
		TOC Surface	feet determined by	Circulated
		Hole size		
		Total depth300	0'	
		Injection interval —	Perforated	
		•		feet
		1700' feet (perforated or open-h	nole, indicate which	n)
Tubing siz	ze <u>2-7/8"</u> line		cerial)	
	ker Loc-Set orand and model)	packer	at <u>1650</u>	feet
	ibe any other casing-tubin	ng seal).		
O her Data	<u>-</u>			
1. Name o	of the injection formation	San Andres		
2. Name o	of Field or Pool (if appli	cable) Red Lake (Queen - Grayburg -	- San Andres)
3. Is th:	is a new well drilled for	injection? 😾 Yes	/_/ No	
	, for what purpose was the			
4. Has tl and g	he well ever been perforat ive plugging detail (sacks	ed in any other zone(s s of cement or bridge p)? List all such p lug(s) used)]	erforated interva No
	,			
this	the depth to and name of a area. Red Lake (O-G-SA.	1750'); Logan Draw (M	orrow, 9330'); Emp	oire (Abo, 5500')
	Lake (Und. Eddy, 2870');			(Morrow, 9590');
Chalk	Bluff (Wolfcamp, 6220)): Eddy (Und. Gpl. 27	40')	





ARCO Permian West Red Lake "4" Federal No. 1 660' FNL & 660' FWL Section 4, 18S, 27E Eddy County, New Mexico

Form C-108 Part VII

Proposed Operation:

- 1. Plans are to inject 5000 barrels of produced water per day.
- 2. The injection system will be a closed system.
- 3. The proposed injection pressure is 1462 psig. Maximum pressure will be 0.86 psi/ft of depth to the top perforation (see attached memo).
- 4. The injection fluid will be Grayburg/San Andres produced water.
- 5. Zone of injection produces within 1 mile.

Form C-108 Part VIII Geological Data

Injection zones are dolomite porosity zones within the San Andres formations at an average depth of \pm 1700'-2800' Specifically they are:

Grayburg San Andres

Base of near surface aquifer is 500'. No fresh water zones exist below the proposed injection interval.

Part IX Proposed Stimulation

The zone of injection will be treated with a spearhead acid job and fractured with gelled water and sand if necessary.

Part X Logging Data

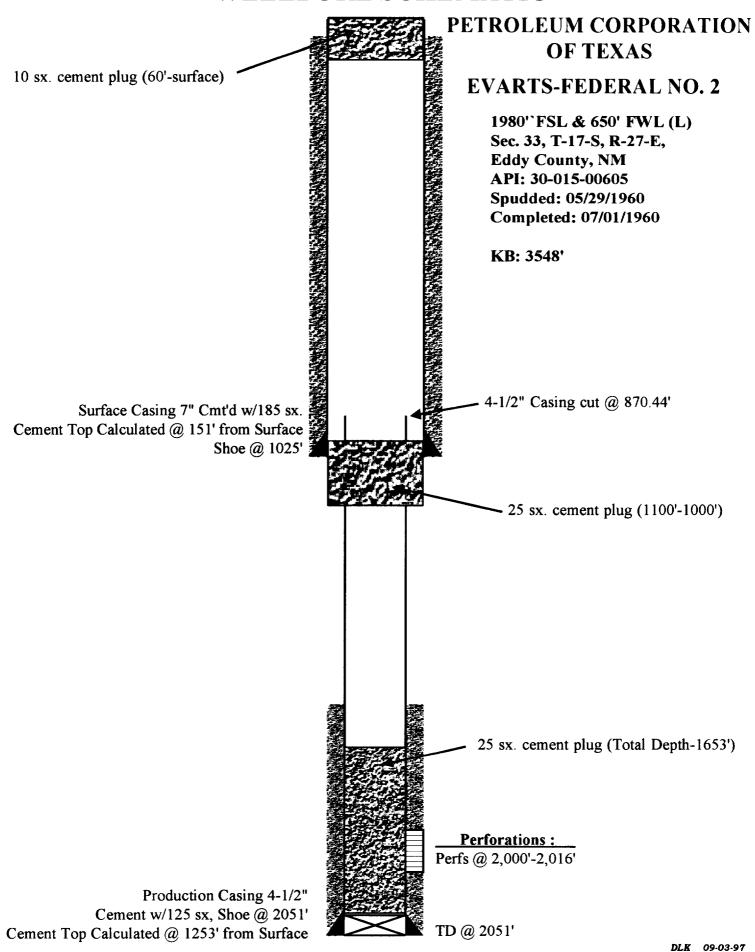
Well logs will be filed when the well is drilled.

Part XI Fresh Water Analysis

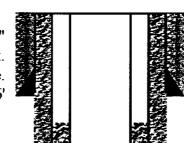
There are no known fresh water wells in the area.

Part XII Disposal Wells

There is no evidence of fault communication between the shallow aquifers and the zone of injection.



Intermediate Casing 13-3/8"
Cmt'd w/950 sx.
Cement Calculated to Surface.
Shoe @ 996'



MERIT ENERGY CORP. FEDERAL BA GAS COM NO. 4 (FEDERAL BA GAS COM NO. 1)

1980'`FNL & 760' FWL (E) Sec. 04, T-18-S, R-27-E, Eddy County, NM API: 30-015-23542 Spudded: 12/26/1980 Completed: 02/17/1980 Recompleted: 12/08/82

KB: 3601'

Intermediate Casing 8-5/8" Cmt'd w/2750 sx. Cement Calculated to Surface. Shoe @ 5982'

WolfcampCompletion:

Perfs @ 6,222'-7550'

P&A plug @ 9265'

MorrowCompletion: Perfs @ 9,586'-9,634'

Production Casing 5-1/2" Cement w/1075 sx, Shoe @ 9805' Cement Calculated to 1615'

TD @ 9805'

DEVON ENERGY CORP. KITE 5I FEDERAL NO. 2

1825' FSL & 325' FEL (I) Sec. 05, T-18-S, R-27-E, Eddy County, NM API: 30-015-29067 Spudded: 09/20/1996 Completed: 10/27/1996

KB: 3517'

Surface Casing 8-5/8"
Cmt'd w/500 sx.
Cement Calculated to Surface.
Shoe @ 1081'

Perfs @ 1,684'-2,123'

Production Casing 5-1/2" Cement w/450 sx, Shoe @ 2349' Cement Calculated to Surface

TD @ 2350'

DEVON ENERGY CORP. KITE 5I FEDERAL NO. 1

1825' FSL & 325' FEL (I) Sec. 05, T-18-S, R-27-E, Eddy County, NM API: 30-015-29023 Spudded: 08/26/1996 Completed: 10/03/1996

KB: 3508'

Surface Casing 8-5/8"
Cmt'd w/600 sx.
Cement Calculated to Surface.
Shoe @ 1021'

Perforations:
Perfs @ 1,625'-2,110'

Production Casing 5-1/2"
Cement w/525 sx, Shoe @ 2349'
Cement Calculated to Surface

TD @ 2350'

DEVON ENERGY CORP. WEST RED LAKE UNIT NO. 49

2310'`FSL & 1750' FWL (K) Sec. 04, T-18-S, R-27-E, Eddy County, NM API: 30-015-28286 Spudded: 02/10/1995 Completed: 05/07/1995

KB: 3589'

Surface Casing 8 5/8"
Cmt'd w/600 sx.
Cement Calculated to Surface.
Shoe @ 1248'

Perforations:
Perfs @ 1,414'-2,180'

Production Casing 5-1/2" Cement w/425 sx, Shoe @ 2329' Cement Calculated to Surface

TD @ 2329'

DEVON ENERGY CORP. HONDO FEDERAL NO. 6

1650"FNL & 1650' FWL (F) Sec. 04, T-18-S, R-27-E, Eddy County, NM API: 30-015-29066 Spudded: 10/12/1996 Completed: 12/04/1996

KB: 3565'

Surface Casing 8 5/8"
Cmt'd w/ 500 sx.
Cement Calculated to Surface.
Shoe @ 1094'

Perforations:
Perfs @ 1,410'-2,228'

Production Casing 5-1/2" Cement w/450 sx, Shoe @ 2399' Cement Calculated to Surface

TD @ 2400'

DEVON ENERGY CORP. KITE 4F FEDERAL NO. 4

2050'FNL & 2500' FWL (F) Sec. 04, T-18-S, R-27-E, Eddy County, NM API: 30-015-29030 Spudded: 09/09/1996 Completed: 10/15/1996

KB: 3576'

Surface Casing 8 5/8"
Cmt'd w/400 sx.
Cement Calculated to Surface.
Shoe @ 1087'

Perfs @ 1,730'-2,220'

Production Casing 5-1/2" Cement w/475 sx, Shoe @ 2399' Cement Calculated to Surface

TD @ 2400'

DEVON ENERGY CORP. HONDO FEDERAL NO. 6

1650"FNL & 2310" FEL (G) Sec. 04, T-18-S, R-27-E, Eddy County, NM API: 30-015-29053 Spudded: 09/15/1996 Completed: 10/14/1996

KB: 3572'

Surface Casing 8 5/8"
Cmt'd w/ 500 sx.
Cement Calculated to Surface.
Shoe @ 1104'

Perforations:
Perfs @ 1,780'-2,229'

Production Casing 5-1/2" Cement w/475 sx, Shoe @ 2449' Cement Calculated to Surface

TD @ 2450'

DEVON ENERGY CORP. KITE 4E FEDERAL NO. 2

2100"FNL & 1090" FWL (E) Sec. 04, T-18-S, R-27-E, Eddy County, NM API: 30-015-29024 Spudded: 09/03/1996 Completed: 10/14/1996

KB: 3583'

Surface Casing 8 5/8"
Cmt'd w/ 500 sx.
Cement Calculated to Surface.
Shoe @ 1097'

Perforations:
Perfs @ 1,723'-2,220'

Production Casing 5-1/2" Cement w/500 sx, Shoe @ 2399' Cement Calculated to Surface

TD @ 2400'

DEVON ENERGY CORP. HONDO FEDERAL NO. 5

990'`FNL & 1750' FEL (B) Sec. 04, T-18-S, R-27-E, Eddy County, NM API: 30-015-29052 Spudded: 10/01/1996 Completed: 11/05/1996

KB: 3583'

Surface Casing 8 5/8"
Cmt'd w/ 500 sx.
Cement Calculated to Surface.
Shoe @ 1096'

Perforations:
Perfs @ 1,809'-2,230'

Production Casing 5-1/2" Cement w/550 sx, Shoe @ 2449' Cement Calculated to Surface

TD @ 2450'

DEVON ENERGY CORP. HONDO FEDERAL NO. 4

330'`FNL & 2210' FEL (B) Sec. 04, T-18-S, R-27-E, Eddy County, NM API: 30-015-29051 Spudded: 10/29/1996 Completed: 12/08/1996

KB: 3549'

Surface Casing 8 5/8"
Cmt'd w/ 500 sx.
Cement Calculated to Surface.
Shoe @ 1118'

Perforations:
Perfs @ 1,421'-2,196'

Production Casing 5-1/2" Cement w/575 sx, Shoe @ 2399' Cement Calculated to Surface

TD @ 2400'

DEVON ENERGY CORP. KITE 4E FEDERAL NO. 1

1650'`FNL & 280' FWL (E) Sec. 04, T-18-S, R-27-E, Eddy County, NM API: 30-015-29087 Spudded: 10/07/1996 Completed: 11/11/1996

KB: 3578'

Surface Casing 8 5/8"
Cmt'd w/ 500 sx.
Cement Calculated to Surface.
Shoe @ 1097'

Perforations:
Perfs @ 1,416'-2,210'

Production Casing 5-1/2" Cement w/525 sx, Shoe @ 2499' Cement Calculated to Surface

TD @ 2500'

DEVON ENERGY CORP. EAGLE 33 FEDERAL NO. 9

XXXX`FSL & XXXX' FEL (N) Sec. 33, T-17-S, R-27-E, Eddy County, NM API: 30-015-29080 Spudded: Completed:

KB: XXXX' GL: XXXX'

Surface Casing 8 5/8" Cmt'd w/ 650 sx, Circ. Shoe @ 1059'

Perforations:

Perfs @ 1,758'-1,886' (2 spf)

Perfs @ 1,953'-2,015' (2 spf)

Perfs @ 2,036'-2,094' (2 spf) Perfs @ 2,112'-2,162' (2 spf)

Perfs @ 2,178'-2,222' (2 spf)

TD @ 2499'

Production Casing 5-1/2" Cement w/450 sx, Shoe @ 2499' Cement Circulated to Surface

DEVON ENERGY CORP. EAGLE 33 FEDERAL NO. 11

XXXX`FSL & XXXX' FEL (O) Sec. 33, T-17-S, R-27-E, Eddy County, NM API: 30-015-29081 Spudded: Completed:

KB: XXXX' GL: XXXX'

Surface Casing 8 5/8" Cmt'd w/ 650 sx, Circ. Shoe @ 1072'

Perforations:

Perfs @ 1,737'-1,875' (2 spf) Perfs @ 1,933'-2,007' (2 spf)

Perfs @ 2,023'-2,079' (2 spf)

Perfs @ 2,111'-2,143' (2 spf)

Perfs @ 2,162'-2,276' (2 spf)

TD @ 2499'

Production Casing 5-1/2" Cement w/550 sx, Shoe @ 2499' Cement Circulated to Surface



ARCO Permian 600 N Marienfeld Midland TX 79701 Post Office Box 1610 Midland TX 79702 Telephone 915 688 5200

October 2, 1997

Merit Energy Co. 12222 Merit Drive Ste. 1500 Dallas, Texas 75251-2217

Attn. Terry Gottberg

Re: West Red Lake 4 Federal No. 1

660 FN&WL Sec 4-18S-27E

Eddy Co. NM

Dear Sir:

Please consider this letter official notification that Arco Permian is in the process of filing an application to complete the above listed drill well as a Grayburg/San Andres injection well. Our records indicate that you are an offset operator. As an offset operator you must notified by Arco Permian and you must file any objections or requests for hearing of administrative applications with the Oil Conservation Division of New Mexico within fifteen days of receiving this notification. Attached is a copy of the application filed with the New Mexico Oil Conservation.

Please call Gary Smallwood at 915-688-5359 with any questions.

Sincerely,

Gary B. Smallwood



ARCO Permian 600 N Marienfeld Midland TX 79701 Post Office Box 1610 Midland TX 79702 Telephone 915 688 5200

October 2, 1997

Devon Energy 20 N. Broadway Ste. 1500 Oklahoma City, Oklahoma 73102

Attn. E. L. Buttress Jr.

Re:

West Red Lake 4 Federal No. 1 660 FN&WL Sec 4-18S-27E

Eddy Co. NM

Dear Sir:

Please consider this letter official notification that Arco Permian is in the process of filing an application to complete the above listed drill well as a Grayburg/San Andres injection well. Our records indicate that you are an offset operator. As an offset operator you must notified by Arco Permian and you must file any objections or requests for hearing of administrative applications with the Oil Conservation Division of New Mexico within fifteen days of receiving this notification. Attached is a copy of the application filed with the New Mexico Oil Conservation.

Please call Gary Smallwood at 915-688-5359 with any questions.

Sincerely,

Lary B Smallwood
Gary B. Smallwood



ARCO Permian 600 N Marienfeld Midland TX 79701 Post Office Box 1610 Midland TX 79702 Telephone 915 688 5200

October 2, 1997

United States Department of the Interior Bureau of Land Management 171 W. 2nd Street Roswell, New Mexico 88201

Gentlemen,

ARCO Permian proposes to drill and complete for water injection the West Red Lake 4 Federal No. 1. The well is located 660' FN&WL of section 4-18S-27E in Eddy Co., New Mexico. It is our understanding that you are the owner of the surface areage. We are therefore supplying you with this copy of our application seeking administrative approval for conversion of the well to water injection.

Thank you very much for your review in this matter. If you have any questions please call me at 915-688-5359.

Sincerely,

Bary B In alwood
Gary B. Smallwood

Affidavit of Publication

No	16013
STATE OF NEW MEXICO,	
County of Eddy:	
Gary D. Scott	being duly
sworn, says: That he is the Publishe	erof The
Artesia Daily Press, a daily newspaper	of general circulation,
published in English at Artesia, said cour	nty and state, and that
the hereto attached <u>Legal Notice</u>	
was published in a regular and entire is Daily Press, a daily newspaper duly qua within the meaning of Chapter 167 of the	diffed for that purpose e 1937 Session Laws of
the state of New Mexico for 1	"days consecutive weeks on_
the same day as follows:	
First Publication October 3	, 1997
Second Publication	
Third Publication	
Fourth Publication	
Jan NX	Cott
Subscribed and sworn to before me this	9thday
of	October 19 97
Sashara S Notary Public, Edo	dy County, New Mexico

My Commission expires September 23, 1999

Copy of Publication

LEGAL NOTICE

ARCO Permian proposes to drill the West Red Lake 4 Federal No. 1. The well is located 600° FWL and 660° FNL of section 4-18S-27E in Eddy Co., New Mexico. The zone of injection is the Grayburg/San Andres at 1700-2800°. The maximum expected injection rate and pressure is 5000 BWPD and 1462 psig. respectively. For information contact: Gary B. Smallwood ARCO Permian PO Box 1610

Midland, TX 79702 phone: 915-688-5359 Interested parties must file any objections or requests for hearing with the:
Oil Conservation Division
PO Box 2088

PO Rox 2088
Santa Fe, New Mexico 87501
Filings must be made within 15 days.

Published in the Artesia Daily Press, Artesia, N.M. October 3, 1997.

Legal 16013

Return to G. Smallwood -23 MIO P 429 452 894

1
UNITED STATES POSTAL SERVICE
Sent to Aff

Receipt for Certified Mail

No Insurance Coverage Provided Do not use for International Mail

(See Reverse)		West		
Sent to Affa: E.L. Buffress, Jr. Devou Energy				
Street and No. Browling, Ste. (500				
P.O., State and ZIP Code OKlahoma City	y, Ste.1500 OK 73101	Real		
Postage	\$	1		
Certified Fee		Lake		
Special Delivery Fee		~		
Restricted Delivery Fee		Feel. #		
Return Receipt Showing to Whom & Date Delivered		#		
Return Receipt Showing to Whom, Date, and Addressee's Address		•		
TOTAL Postage & Fees	\$ 392			
Postmark or Date				
10/02/	97			

Date Fedex USA Airbill

Tracking Number 16466497E3

Date 10-9-97 Sender's FredEx Account Number 1007-6502-0 Sander's Cary Smalfwood Phone (915+688-5200) Sander's Cary Smalfwood Phone (915+688-5200) Dept.Floor/Suite/Room Company ARCO PERMIAN City MIDLAND State TX Zip 7 9 7 0 1 2 Your Internal Billing Reference Information 2 To (please print) State TX Zip 7 9 7 0 1	48 Express Package Service PedEx Priority Overnight I the touriess morning What touriess a morning NEW FedEx Government Overnight I thigher nan apply 4b Express Freight Service Express Freight Service (Call for delivery schedule See by "(Call for delivery schedule See by "(
Address 600 N MARIENFELD/LTS ARCD	FedEx Overnight Freight (Next business-day service for any distance) (Call for delivery schedule. See
MIDLAND State TX Zip 7 Your Internal Billing Reference Information (Optional) (First 24 characters will appear on invoice)	Packaging PedEx Declared value Special Handling G Special Handling G Special Handling
≥ 3.	Dry Lee Dry Lee X Dry Lee
	Bill Accipit to: Section I wait be billed Recipit American Account No
(10 HOLD' et FedEx location, print FedEx address here) (We Cannot Deliver to P.O. Boxes or P.O. Zip Codes) City C.S	Credit On 37 87 333 Credit No. 37 87 333 Credit No. 37 87 333 Credit No. 37 87 37 87 87 87 87 87 87 87 87 87 87 87 87 87
and Linate of Liability – By using this Airbill, actual loss in a timely menner, Your rights in our current Service Guide or U.S. value of the peckage, loss of sales, in are available on request. SEE BACK OF of damage, whether direct, incidental in the control of the peckage of the coloured value of the coloured value of the coloured value of the coloured value of the coloured value.	8 Release Signature Sign to do Your signature authorities Federal Express to do

Questions? Call 1:800:Go:FedEx (1-800-463-3339) Service Conditions, Declared Value, and Limit of Liability – By using this Airbill, you agree to the service conditions in our current Service Guide or U.S. Government Service Guide. Both er a valiable on request. SEE BACK, DESPUERS COPY OF THIS ARBILLE FOR INFORMATION AND ADDITIONAL TERMS. We will not be responsible for any claim in access of \$100 per package whether the result of loss, demange, or delay, nor-delivery, mediathery, or mistriformation, unitary your declare a higher value, pay an additional charge, and document your

maximum declared value for any FodEx Letter and FodEx Pak is \$500. Federal Express to deliver this ship may, upon your request, and with some limitations, refund all transportation charges paid.

See the FodEx Service Guide for further details.

Sender's Copy

Release Signature Sign to authorize delivery without obtaining signature.
\$
tal Packages Total Weight Total Declared Value Total Changes
Payment Recipient Third Party Credit Card Cash
Special Handling Shoper's less this shipment contain dangerous goods? Yes Contained Yes Sun 1845 II Cargo Aircraft Only Changerous Goods Shoper's Declaration not required.
Packaging PedEx FedEx FedEx FedEx Other Pak Box Tube Pkg.
Express Freight Service Packages over 150 lbs. Delivery commitment may predict Overnight Freight Service Predict 2Day Freight Service Save Freight In any distance) (Call for delivery schedule. See back for detailed descriptions of freight products.)
NEW Folks: First Overnight Itentest heart business morning delivery to select locations) Higher rates apply) White production and sole position of the pound feets 20ay rate of the pound feets 20ay rate.
Express Package Service Packages under 150 lbs. Delivery commitment may predick Priority Overnight FedEx Standard Overnight Second business day (Next business afternoon) FedEx Government Overnight TedEx Standard Overnight Next business afternoon) FedEx Government Overnight

The World On Time,

WCSL 0696

Rev Date 3/96

PARI #14/956

©1994 96 FedEx

PRINTED IN U.S.A.

REZ

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 (Extra charge)					
3. Article Addressed to: Bogle Farms, Ltd. P. O. Box 460 Dexter, NM 88130	4. Article Number 1. 429 452 893 Type of Service: Registered Insured Cortified COD Express Mail Receipt for Merchandise Always obtain signature of addressee or agent and DATE DELIVERED.				
5. Signature — Addressee X 6. Signature — Agent X	8. Addressee's Address (ONLY if requested and fee paid)				

Retugn	429	6. Sm	ع (اسو	ned - 13
	429	452	193	ME 0
		_	_	

	Morit Energy	verage Provided iternational Mail	West R.
ŀ	1222 Merit III Po., State and ZIP Code Dallas, 75 Postage	.,Ste.1500 151-1117	Red Lake
	Certified Fee Special Delivery Fee		I
91	Restricted Delivery Fee Return Receipt Showing to Whom & Date Delivered		Feat #
, June 19	Return Receipt Showing to Whom, Date, and Addressee's Address TOTAL Postage & Fees	\$ 392	-
PS Form 3800, June 1991	Postmark or Date		

Return to 6. Smallewood - 23 MTO P 429 452 893

4	Recei Certif
77	No Insur

rn to 6. Small P 429 451	(مده مود - 2 <i>3 MZ</i> 193 - 3	Õ
	d Mail ce Coverage Provide for International M	م انه
Street and No.	us, Ltd.	West had hake
P.O. Kox 4 P.O. State and ZIP Code Dexter, NI Postage		S Ta
Certified Fee	\$	6e 4
Special Delivery Fee		
Restricted Delivery Fee		Fect. #1
Return Receipt Showing to Whom & Date Delivered		#
Return Receipt Showing to W Date, and Addressee's Addres		1
TOTAL Postage & Fees	\$ 390	7
a rees	· · · · · // · · · · · · · · · · · · ·	

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 (Extra charge)				
3. Article Addressed to:	4. Article Number			
Atta: Terry Gottberg Merit Energy Co.	P 419 452 891			
Morit Energy Co.	Type of Service:			
10000 No of No Sta 1500	Registered Insured			
12212 Merit Dr., Ste. 1500	Certified COD			
Dallas, Tx 75751-1717	Express Mail for Merchandise			
0-colads, 17 / 1000 1000	Always obtain signature of addressee			
	or agent and DATE DELIVERED.			
5. Signature - Addressee	8. Addressee's Address (ONLY if			
X A CONTRACTOR OF THE PARTY OF	requested and fee paid)			
6. Signature — Agent				
X A Tomas				
7. Date of Delivery	manni ii ii -			
PS Form 3811, Apr. 1989 2 +48,0.PQ 1904 238415, 1 DOMESTIC RETURN RECEIPT				

	THE STATE OF THE S
SENDER: Complete items 1 and 2 when additional 3 and 4. Put your address in the "RETURN TO" Space on the reverse 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. 1. Show to whom delivered, date, and addressee's ad (Extra charge)	side. Failure to do this will prevent this card you the name of the person delivered to and s are available. Consult postmaster for fees
3. Article Addressed to: Atta: E.L. Buftress, Jr. Devon Energy 20 N. Broadway, Ste. 1500 Oklahoma City, OK 73101	4. Article Number P 419 451 894 Type of Service: Registered
5. Signature — Addressee X	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature – Agent X R	
7. Date of Delivery 16 -6 - 9	<u> </u>

MATADOR PETROLEUM CORPORATION .

415 W. WALL, SUITE 1101 MIDLAND, TX 79701 (915) 687-5955

October 7, 1997

RFCF "

OCT 1 5 1997

PERMIAN BASIN LAND UNI MIDLAND, TX

Chevron USA Production Comapny P.O. Box 1150 Midland, TX 79702

> RE: Lea AP St. #3 Lea County

> > Sec. 30, T19S, R35E Application To Inject

Gentlemen:

Please find within a copy of the Application For Authorization To Inject.

In compliance with the requirements of Form C-108 this application has been sent to you because you are the operator within one-half mile of the injection well.

Please read the application carefully.

If there are no objections to the application please acknowledge below and mail to Matador Petroleum Co. at the above address or you may fax to 915-687-4809. Any objection must be filed with the Oil Conservation Division, 2040 South Pacheco, Santa Fe, NM 87505 within 15 days from the date this application was mailed.

Should you have any questions or comments please do not hesitate to call me in Midland, Texas at 915-687-5955.

Sincerely,

Russ Mathis

Production Manager

Run Mathy

has no objection to Matador's Application for Authorization to Inject into the AP St. #3 well located in S30, T19S, R35E, Lea Co., NM.

cc: Oil Conservation Division