

PT6W1214434587

DATE IN 5.23.12	SUSPENSE	ENGINEER WUT	LOGGED IN 5.23.12	TYPE SWD	APP NO. 1128943777
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7/2/12

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



LRE Operating
 281994

Eddy Humble "State SWP"

ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

- [NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
 [PC-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]
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] **TYPE OF APPLICATION - Check Those Which Apply for [A]**

- [A] Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

- [B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☒ SWD ☐ IPI ☐ EOR ☐ PPR

- [D] Other: Specify _____

[2] **NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply**

- [A] ☒ 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] ☒ For all of the above, Proof of Notification or Publication is Attached, and/or,
 [F] ☐ Waivers are Attached

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate and complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

David Sibley
 Print or Type Name

David Sibley
 Signature

Production Engineer
 Title

5-17-2012
 Date

dsibley@limerockresources.com
 E-Mail Address

Case 14863
 J-4-185-28E
 PROTECTED BY
 1341 psi
 WITHDRAWN
 after
 modifications

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL
RESOURCES DEPARTMENT

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Case 14863
FORM C-108
Revised June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: Secondary Recovery Pressure Maintenance X Disposal Storage
Application qualifies for administrative approval? X Yes No
- II. OPERATOR: LRE Operating, LLC (OGRID-281994)
ADDRESS: 1111 Bagby Street, Suite 4600 Houston, Texas 77002
CONTACT PARTY: David Sibley, Production Engineer PHONE: (713) 345-2134
- 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 X 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 geologic data on the injection zone including appropriate lithologic detail, geologic 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 sources 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 sources 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: David Sibley TITLE: Production Engineer
SIGNATURE: David Sibley DATE: 5-17-2012
E-MAIL ADDRESS: dsibley@linerockresources.com
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: _____

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

III. WELL DATA

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 setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal 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) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF 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 submitted. 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 include:

- (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, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

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.

C-108 Application
LRE Operating, LLC
Eddy-Humble "4" State SWD #1
2310' FSL & 1650' FEL (Unit J)
Section 4, T-18S, R-28E, NMPM
Eddy County, New Mexico

- I. The purpose of the application is to request approval to drill the Eddy-Humble "4" State SWD #1 and complete it as a produced water disposal well in the Abo, Wolfcamp and Cisco formations.
- II. LRE Operating, LLC ("LRE")
1111 Bagby Street, Suite 4600
Houston, Texas 77002
Contact Party: David Sibley, Production Engineer-(713) 345-2134
- III. Injection well data sheet is attached. In addition, attached is a schematic well diagram showing the proposed wellbore configuration. LRE proposes to drill this well setting 13 3/8" casing at 250' cemented to surface, 9 5/8" casing at 2,800' cemented to surface, 7" casing at ~~6,805'~~ 6,700' cemented to 2,800', and complete the well for injection through the perforated interval from 6,705 feet to ~~6,805~~ 6,700 feet and ~~open hole~~ liner interval from ~~6,805~~ 6,550 feet to 9,300 feet.
- IV. This is not an expansion of an existing project.
- V. A map showing all wells/leases within a 2-mile radius of the Eddy-Humble "4" State SWD #1 is attached. Also attached is a more detailed map showing the 1/2-mile Area of Review ("AOR") for the Eddy-Humble "4" State SWD #1.
- VI. Within the area of review, there are numerous producing and plugged and abandoned wells that produce or have produced from shallow horizons (i.e. Queen, Grayburg, San Andres, Glorieta, Yeso, etc.). There is only one active producing well that penetrates the proposed injection interval. The Mewbourne Oil Company Scoggin Draw "4" State Com No. 1 is constructed adequately to preclude the migration of fluid from the proposed injection interval. There are also no plugged wells within the AOR that penetrate the proposed injection interval.
- VII. 1. The average injection rate is anticipated to be approximately 10,000 BWPD. The maximum rate will be approximately 20,000 BWPD. If the average or maximum rates increase in the future, the Division will be notified.
2. This will be a closed system.
3. The injection pressure will initially be in conformance with the Division assigned gradient of 0.2 psi/ft. or 1341 psi. If a higher injection pressure is necessary, LRE will conduct a step rate injection test to determine the fracture pressure of the injection interval.
4. Produced water from the Glorieta, San Andres, Grayburg, Queen and Yeso formations originating from wells in the area of the disposal well will be injected into the Eddy-Humble "4" State SWD #1. Attached are produced water analysis from the Glorieta-Yeso formation originating from LRE's Enron State, Kersey, Staley State A

and Staley State wells, and a produced water analysis from the Queen-Grayburg-San Andres formation originating from LRE's Jeffery 1 and 36 State wells.

5. Injection is to occur into the Abo, Wolfcamp and Cisco formations. Division records show that the following producing pools are located in the area of the Eddy-Humble "4" State SWD No. 1: i) the Empire-Abo Pool is located approximately 0.2 of a mile from the Eddy-Humble "4" State SWD No. 1; ii) the Empire-Wolfcamp Pool is located approximately 0.75 of a mile from the Eddy-Humble "4" State SWD No. 1; and iii) the Illinois Camp-Cisco Gas Pool is located approximately 0.5 of a mile from the Eddy-Humble "4" State SWD No. 1 (See attached pool maps).

- VIII. The proposed injection interval lies between depths of 6,705 feet and ^{9,500}~~9,300~~ feet and includes the Permian age lower Abo and Wolfcamp formations and the Pennsylvanian age Cisco formation. These formations serve as common disposal zones for this area of the Delaware Basin. Within the AOR, the interval consists of interbedded crystalline dolomites, limestones, and shales with the dolomites making up approximately 40 percent of the interval and generally providing for the better injection capacity. Their porosities range from 6% to 14% and average approximately 9%. The limestones are less porous but do offer some additional injection capacity with porosities ranging from 4% to 10%. In this area, fresh water occurs down to a depth of approximately 150 feet. No known fresh water sources underlie the injection interval.
- IX. Proposed to acid stimulate the injection interval as needed.
- X. Logs will be filed when the well is drilled.
- XI. According to the State Engineer, there are no fresh water wells located within one mile of the Eddy-Humble "4" State SWD No. 1.

INJECTION WELL DATA SHEET

OPERATOR: LRE Operating, LLC

WELL NAME & NUMBER: Eddy-Humble "4" State SWD No. 1 (API No. Not Yet Assigned)

WELL LOCATION: 2310' FSL & 1650' FEL J 4 18 South 28 East
FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC

See Attached Wellbore Schematic

WELL CONSTRUCTION DATA (Proposed)

Surface Casing

Hole Size: 17 1/2" Casing Size: 13 5/8" @ 250'

Cemented with: 280 Sx. or ft³

Top of Cement: Surface Method Determined: Circulate

Intermediate Casing

Hole Size: 12 1/4" Casing Size: 9 5/8" @ 2,800'

Cemented with: 845 Sx. or ft³

Top of Cement: Surface Method Determined: Circulate

Production Casing

Hole Size: 8 3/4" Casing Size: 7" @ 6,700'

Cement with: 660 Sx. or ft³

Top of Cement: 2,600' Method Determined: Proposed

Production Liner

Hole Size: 6 1/2" Casing Size: 4 1/2" 6,580'-9,000'

Cement with: 340 Sx. or ft³

Top of Cement: Liner Top Method Determined: Proposed

Total Depth: 9,000' PBTD: 9,000'

Injection Interval

Perforated: 6,705'-9,000'

INJECTION WELL DATA SHEET

Tubing Size: 4 1/2"

Lining Material: Duoline Fiberglass Coated

Type of Packer: ZXP Liner Top Packer

Packer Setting Depth: 6,580'

Other Type of Tubing/Casing Seal (if applicable): Polished Bore Receptacle (PBR) set on top of ZXP Liner Top Packer

Additional Data

1. Is this a new well drilled for injection: _____X_____ Yes _____No
If no, for what purpose was the well originally drilled: _____
2. Name of the Injection Formation: _____Abo, Wolfcamp and Cisco Formations_____
3. Name of Field or Pool (if applicable): _____There are no Abo, Wolfcamp or Cisco pools within the NW/4 SE/4 of Section 4._____
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail,
i.e. sacks of cement or plug(s) used.

None.
5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone
in this area:

Within Section 4: Artesia Queen-Grayburg-San Andres Pool (1,478'-3,850'); Artesia Glorieta-Yeso Pool (3,850'-5,750'). The subject well is located approximately 0.2 of a mile from the outer boundary of the Empire-Abo Pool, 0.75 of a mile from the outer boundary of the Empire-Wolfcamp Pool, and 0.5 of a mile from the outer boundary of the Illinois Camp-Cisco Gas Pool (See Attached Pool Maps).

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 15, 2009
Submit one copy to appropriate
District Office
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code		3 Pool Name	
4 Property Code		5 Property Name EDDY-HUMBLE "4" STATE SWD			6 Well Number 1
7 OGRID No. 281994		8 Operator Name LRE OPERATING, LLC			9 Elevation 3664.7

10 Surface Location

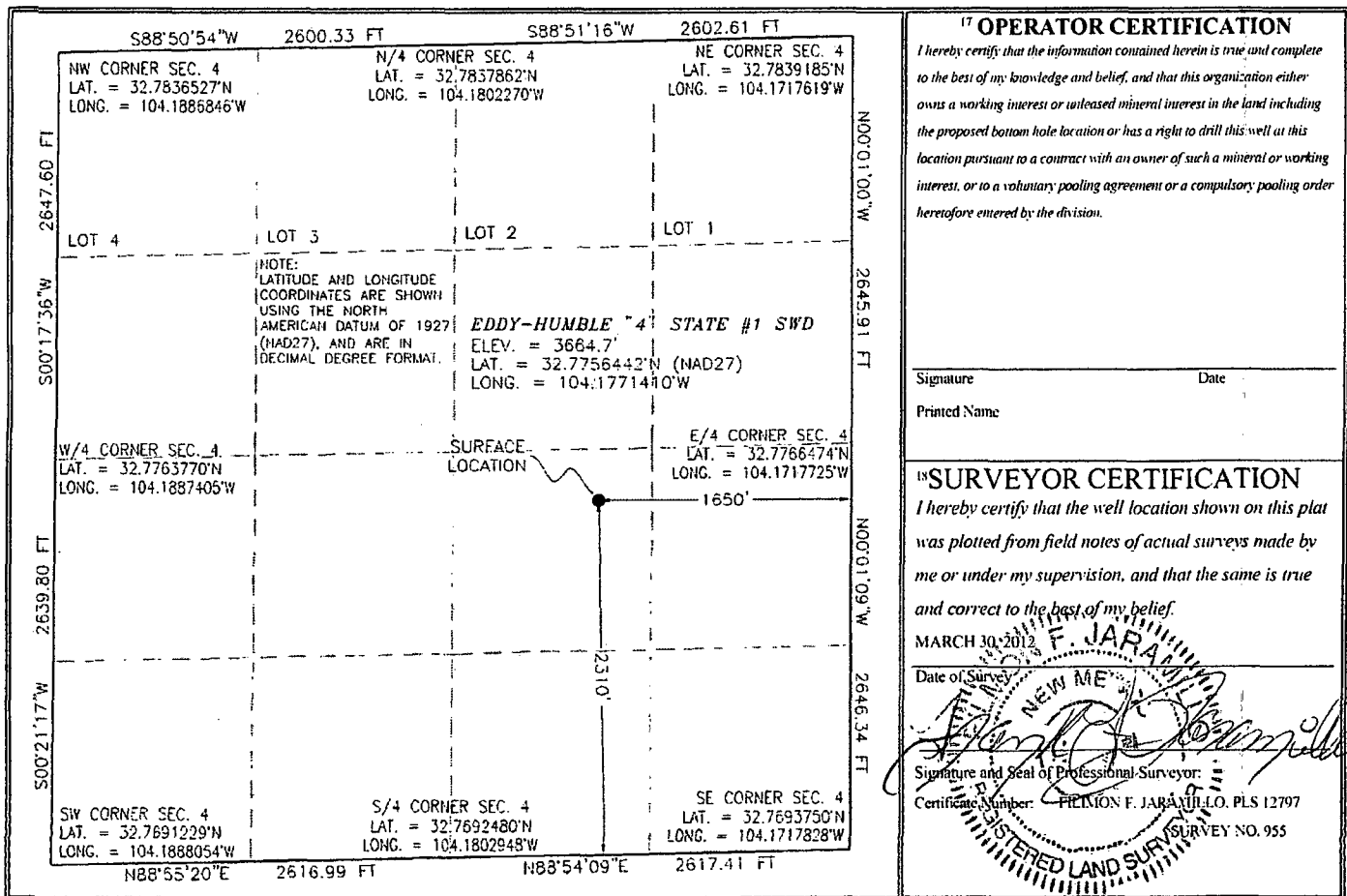
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	4	18 S	28 E		2310	SOUTH	1650	EAST	EDDY

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



	County	EDDY	Well Name	JEFFERS 32 STATE #2	Field	RED LAKE	Well Sketch:	PLAN
	Surface Lat:	32° 47' 16.32365"	BH Lat:	32° 47' 17.18851"	Survey:	Sec. 32, T17S-R28E	API #	30-015-37045
	Surface Long:	104° 11' 45.57400"	BH Long:	104° 11' 46.81089"		1563' FSL & 2207' FEL	OGRID #	255333

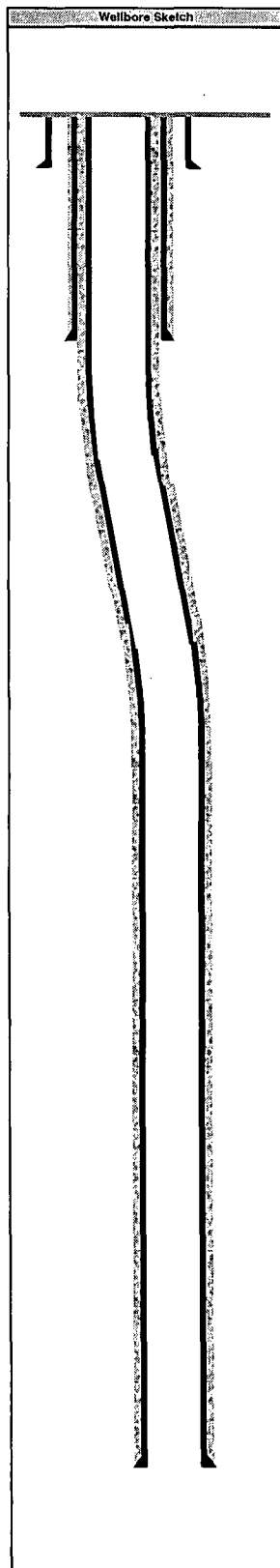
Directional Data:	
KOP	500'
Max Dev.:	5.3°
Dev sev.:	2.5°
Dev @ Perfs	0.0°
Ret to Vert:	2107'

Tubular Data:							
Tubulars	Size	Weight	Grade	Thread	TVD	MD	TOC
Conductor	14"	60#	DRIVE	8RD	40'	40'	-
Surface	8 5/8"	24#	J-55	STC	470'	470'	SURF
Intermediate							
Production	5 1/2"	17#	J-55	LTC	5,200'	5,207'	SURF
Liner							

CEMENT DATA							
	L/sks	Yld	Wt	T/sks	Yld	Wt	XS
Surface	300	1.32	14.8				100%
Intermediate							
Liner							
Production	450	1.45	13.2	550	1.32	14.8	100%

Wellhead Data	
Type:	
WP:	
Tree Cap	Flange:
	Thread:
Tbg Hanger:	
STM Flange:	
BPV Profile:	
Elevations:	3,667'
RKB-GL:	
DF - GL:	

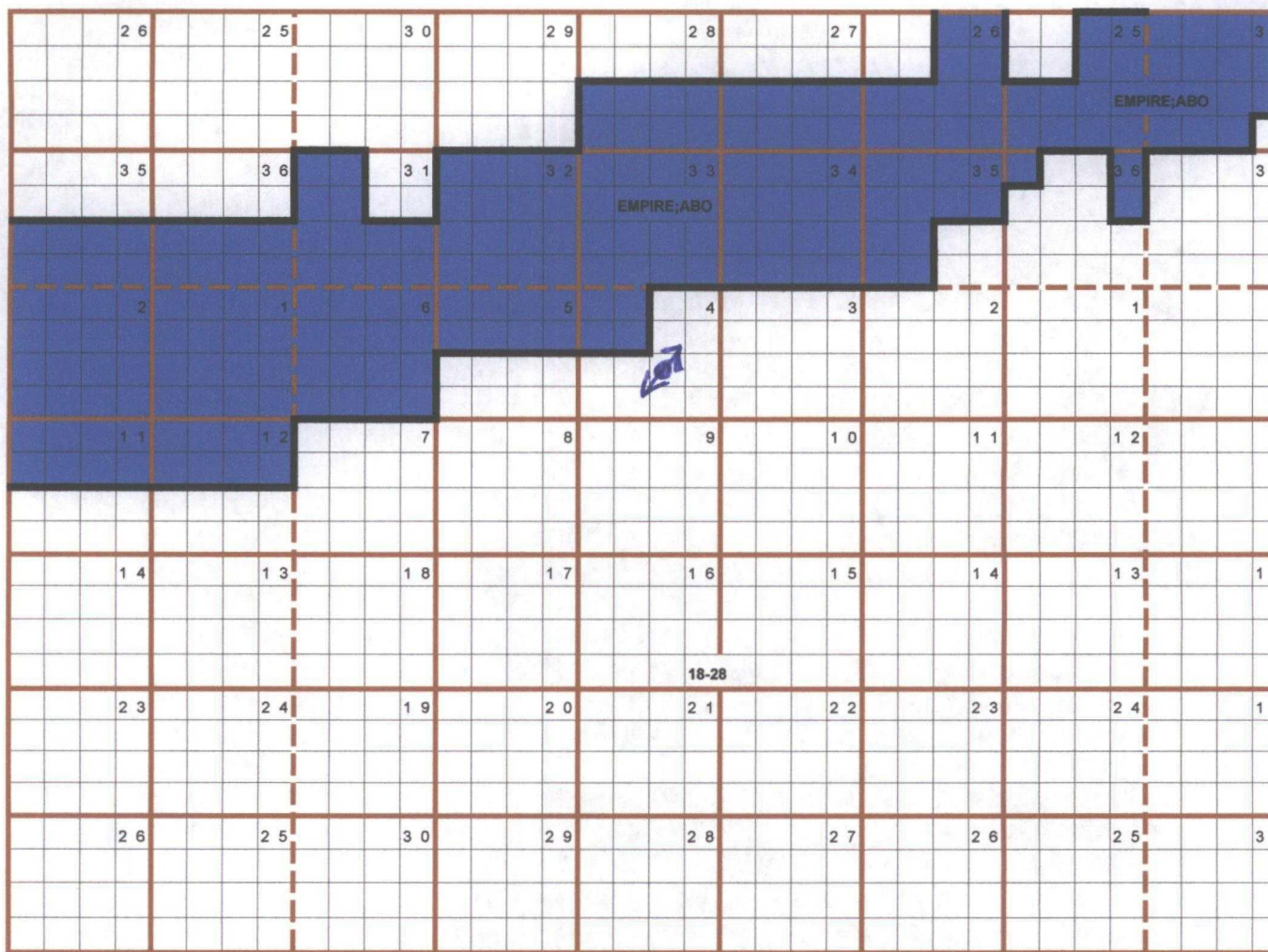
Drilling / Completion Fluid	
Drilling Fluid:	
Drilling Fluid:	
Completion Fluid:	
Completion Fluid:	
Packer Fluid:	

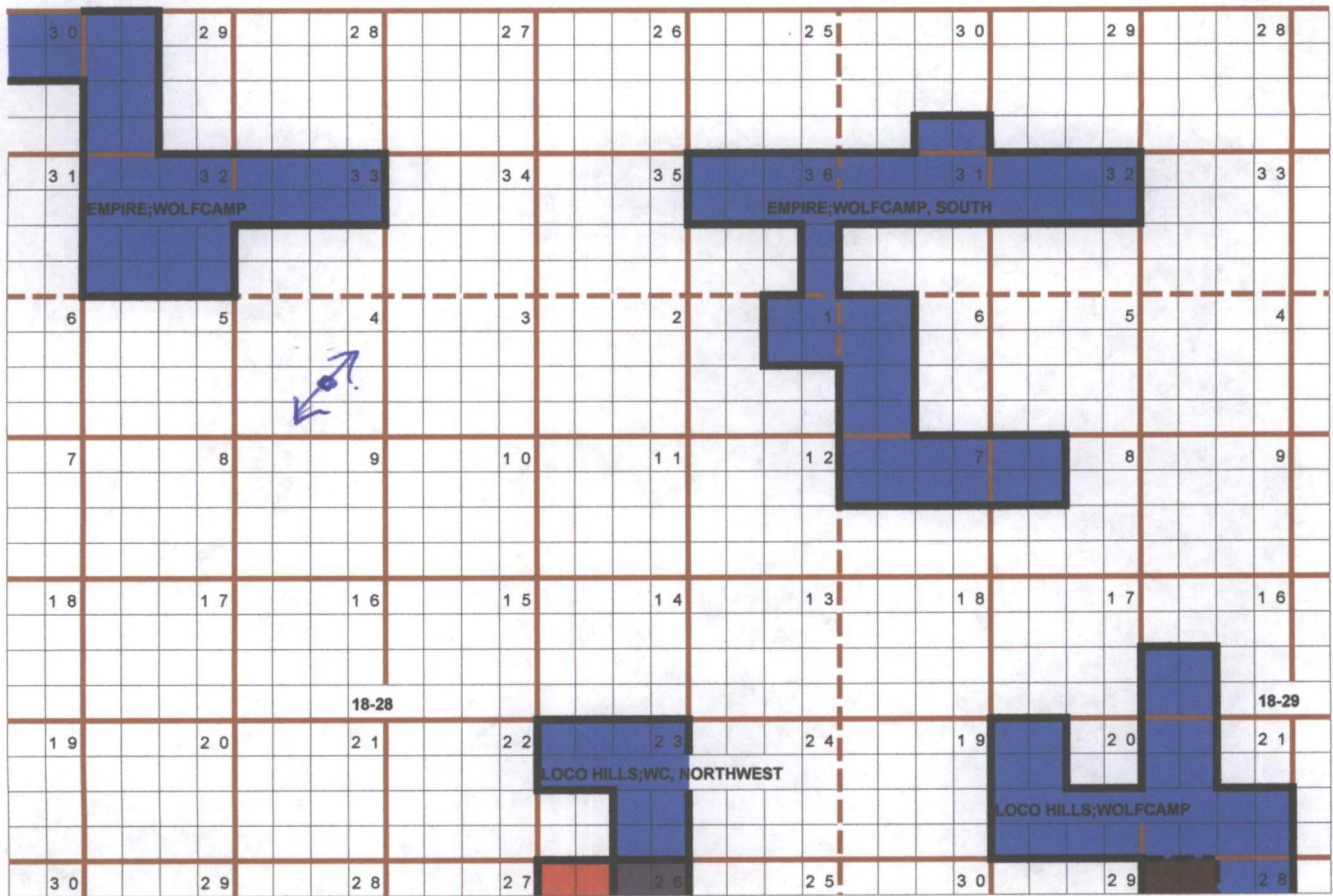


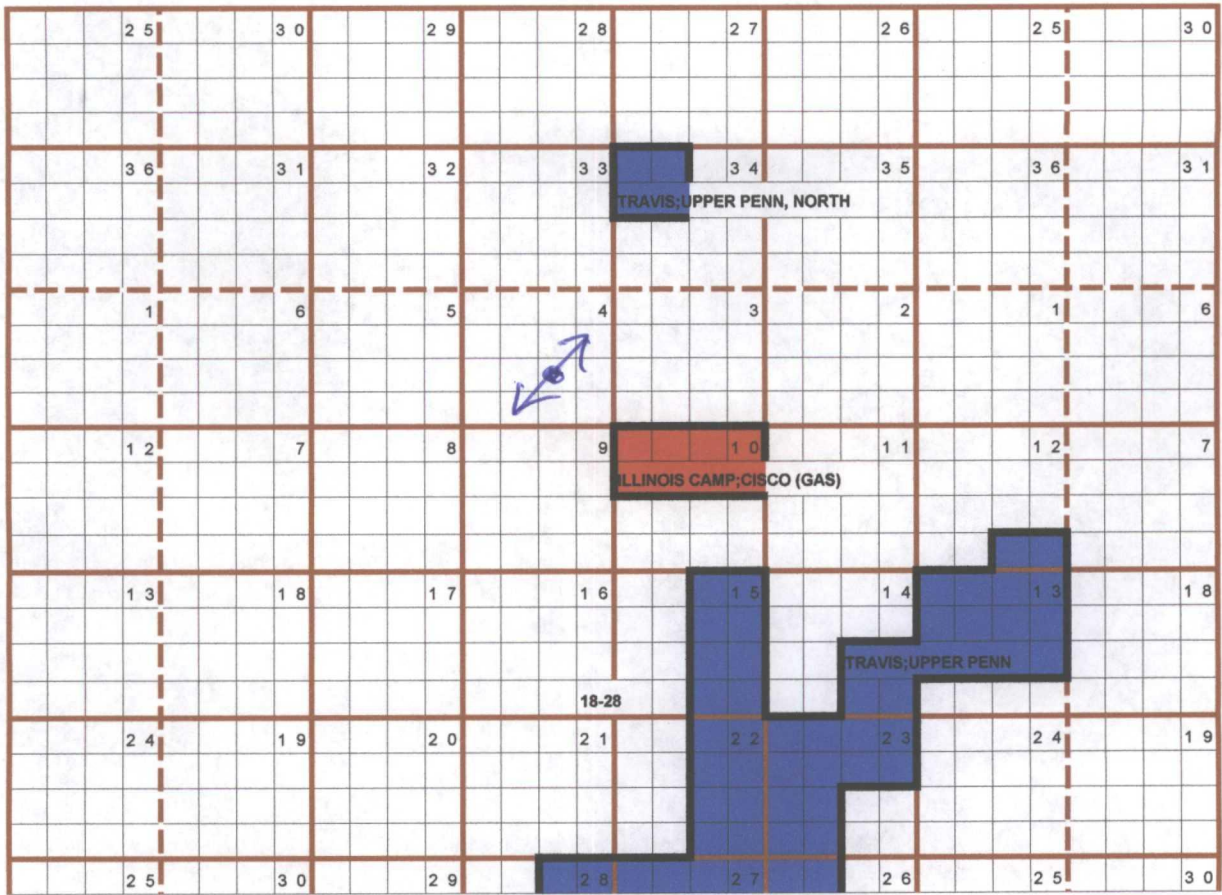
Drilling Information									
DEPTHS (TVD)	HOLE SIZE - BITS - BHA	WELL PATH		FORMATION TOPS / WELL INFO		MUD PROPERTIES		LOGGING PROGRAM	
		INC	AZI						
0'		0.0°	0.0°			Mud type	Fresh		
40'	12 1/4"			CONDUCTOR		MW	8.4 - 9.2		
						pH	9.0 - 10.5		
						WL	N/C		
						VIS	28-34 @ csg pt.		
382'				YATES					
470'	7 7/8"			SURFACE CASING		Mud type	Brine	TC w/ SGR	
500'		0.0°	0.0°	KOP, BUILD 2.5°/100'		MW	9.8 - 10.2	DLL	
614'				SEVEN RIVERS		pH	10.0 - 12	MSFL	
734'		4.9°	313.6°	DRILL TANGENT @ 5.85°		WL	N/C	SDL	
						VIS	28-29	DSN	
1,184'		5.0°	297.9°	QUEEN				CSN	
1,626'		6.7°	313.4°	GRAYBURG					
1,814'		6.5°	317.2°	START DROP, -2.0°/100'					
1,902'		4.6°	305.9°	PREMIER					
1,956'		4.6°	305.9°	SAN ANDRES					
2,107'		2.8°	303.3°	END DROP, VERTICAL					
2,263'		0.4°	103.6°	MSA					
2,862'		0.7°	178.9°	LSA					
3,360'				GLORIETTA					
3,618'				YESO					
5,020'				TUBB					
5,200'		0.0°	0.0°	TD					

Comments:
Directions: 12 miles E of Artesia on Hwy 82, turn S on CR 206 (Illinois Camp rd) 0.7 miles, turn E on CR 228 (Arco Rd) 0.4 miles, turn N to location.

Plug back Depth:
Total Well Depth: 5,207'
Prepared By: R. GHISELIN
Date: 28-Jun-10









LRE OPERATING, LLC
AREA OF REVIEW WELL DATA
EDDY-HUMBLE "4" STATE SWD NO. 1

API NUMBER	OPERATOR	LEASE NAME	WELL NO.	WELL TYPE	STATUS	FTG. N/S	N/S	FTG. E/W	E/W	UNIT	SEC.	TSHR	RNG.	DATE DRILLED	TOTAL DEPTH	HOLE SIZE	CSG. SIZE	SET AT	SX. CMT.	CMT. TOP	MTD.	HOLE SIZE	CSG. SIZE	SET AT	SX. CMT.	CMT. TOP	MTD.	COMP.	REMARKS
30-015-02556	Alamo Permian Resources, LLC	Smith State	1	P	Active	660'	N	660'	E	A	4	18S	28E		2,307'														Artesia Queen-Grayburg-San Andres
30-015-25403	Alamo Permian Resources, LLC	State AE	2	P	Active	2295'	N	2211'	W	F	4	18S	28E		3,630'														Artesia Queen-Grayburg-San Andres
30-015-25402	Alamo Permian Resources, LLC	State AE	1	P	Active	1650'	N	2310'	E	G	4	18S	28E		3,530'														Artesia Queen-Grayburg-San Andres
30-015-02560	Sunray Oil	Pre-Ongard	1	N/A	PA	1570'	S	1070'	E	I	4	18S	28E		2,419'														
30-015-02590	Granidge Corp.	Humble Stout St.	1	N/A	PA	2310'	S	330'	E	I	4	18S	28E		2526'														
30-015-02555	Granidge Corp.	Eddy-Humble St.	1	N/A	PA	2310'	S	2283'	E	J	4	18S	28E		2,450'														
30-015-02564	Frontier Petroleum Co.	McQuigg St.	4	N/A	PA	1550'	S	2088'	E	J	4	18S	28E		2,371'														
30-015-02551	Frontier Petroleum Co.	McQuigg St.	11	N/A	PA	2399'	S	1660'	W	K	4	18S	28E		2,297'														
30-015-02562	Granidge Corp.	Cowell State	1	N/A	PA	1572'	S	1549'	W	K	4	18S	28E		2,338'														
30-015-02563	American Petrofina	Cowell State	2	N/A	PA	1570'	S	2105'	W	K	4	18S	28E		502'														
30-015-06118	Frontier Petroleum Co.	McQuigg St.	10	N/A	PA	2397'	S	2082'	W	K	4	18S	28E		2,311'														
30-015-02586	Danciger Oil & Refining	Kaseman State	3	N/A	PA	2390'	S	1059'	W	L	4	18S	28E		2,293'														
30-015-02576	American Petrofina	Livers State	8	N/A	PA	1075'	S	1587'	W	N	4	18S	28E		2,353'														
30-015-02578	Granidge Corp.	Livers State	10	N/A	PA	1061'	S	2271'	W	N	4	18S	28E		2,380'														
30-015-28923	Mewbourne Oil Co.	Scoggins Draw 4 St.	2	N/A	N/A	990'	S	1650'	W	N	4	18S	28E		Cancelled APD														
30-015-02566	Sandlott Energy	Livers State	13	P	Active	992'	S	2287'	E	O	4	18S	28E		2,495'														Artesia Queen-Grayburg-San Andres
30-015-02573	Granidge Corp.	Livers State	5	N/A	PA	1082'	S	1582'	E	O	4	18S	28E		2,418'														
30-015-02577	Granidge Corp.	Livers State	9	N/A	PA	257'	S	1581'	E	O	4	18S	28E		4,035'														
30-015-28688	Mewbourne Oil Co.	Scoggins Draw 4 St.	1	P	Active	2310'	S	660'	W	O	4	18S	28E	Nov-97	10,470'	17 1/2"	13 3/8"	423'	345	Surface	Circ.	12 1/4"	9 5/8"	2,650'	1050	Surface	Circ.	10,286'-96'	N. Illinois Camp Morrow Gas Pool
*5 1/2" casing stage cemented. 1st Stage-840 sx. 2nd Stage-950 Sx. Well file does not show depth of DV Tool.																													
30-015-02580	Quantum Resources Mgt. LLC	Livers State	1	P	Active	990'	S	990'	E	P	4	18S	28E		2,344'														Artesia Queen-Grayburg-San Andres
30-015-02581	Quantum Resources Mgt. LLC	Livers State	2	P	Active	330'	S	990'	E	P	4	18S	28E		2,402'														Artesia Queen-Grayburg-San Andres
30-015-02582	Quantum Resources Mgt. LLC	Livers State	3	P	Active	250'	S	250'	E	P	4	18S	28E		2,400'														Artesia Queen-Grayburg-San Andres
30-015-02583	Quantum Resources Mgt. LLC	Livers State	4	P	Active	1070'	S	250'	E	P	4	18S	28E		2,417'														Artesia Queen-Grayburg-San Andres
30-015-01790	Quantum Resources Mgt. LLC	Artesia Unit	43	P	Active	1980'	N	250'	W	E	3	18S	28E		2,366'														Artesia Queen-Grayburg-San Andres
30-015-01793	Flynn-Welch-Yates	State 647	41	NA	PA	1570'	S	250'	W	L	3	18S	28E		2,428'														Artesia Queen-Grayburg-San Andres
30-015-01791	Quantum Resources Mgt. LLC	Artesia Unit	58	P	Active	1070'	S	250'	W	M	3	18S	28E		2,445'														Artesia Queen-Grayburg-San Andres
30-015-02668	Fruit Valley Development Co.	Schram State	1	NA	PA	250'	N	1070'	E	A	9	18S	28E		2,400'														

P



RECEIVED OCD

June 21, 2012

2012 JUN 25 P 2:41

Mr. William Jones
1220 South St. Francis Drive
Santa Fe, NM 87505

Dear Mr. Jones,

It is requested that the NMOCD ask Mewbourne Oil Co to provide the setting depth of the DV tool for the following well:

Scoggins Draw 4 State Comm #1

N2, NW SW Section 4, T18S, R28E

API # 30-015-29688

The requested information is unavailable on the NMOCD website and must have been an oversight in the original completion paperwork submission.

Thanks you for your assistance with this matter.

Best Regards,

David Sibley
Production Engineer
713-345-2134 office
dsibley@limerockresources.com

THIS well was Later
Determined to BE
OUT of the AOR.

WVS
7/21/12

cc: Mr. Daniel Sanchez

Pro-Kem, Inc.

WATER ANALYSIS REPORT

SAMPLE

Co. : LimeRock Resources
 Lease : Enron
 Well No.: ST
 Location:
 Attention:

Date Sampled : 15-July-2010
 Date Analyzed: 28-July-2010
 Lab ID Number: Jul2810.001-9
 Salesperson :
 File Name : Jul2810.001

ANALYSIS

1. Ph
2. Specific Gravity 60/60 F.
3. CACO3 Saturation Index

5.600
 1.138

@ 80F
 @140F

-0.530 Negligible
 0.410 Mild

Dissolved Gasses

4. Hydrogen Sulfide
5. Carbon Dioxide
6. Dissolved Oxygen

MG/L. EQ. WT. *MEQ/L

100

80

Not Determined

Cations

7. Calcium (Ca++)
8. Magnesium (Mg++)
9. Sodium (Na+)
10. Barium (Ba++)

(Calculated)

2,166

971

65,383

Not Determined

/ 20.1 =

/ 12.2 =

/ 23.0 =

107.76

79.59

2,842.74

Anions

11. Hydroxyl (OH-)
12. Carbonate (CO3=)
13. Bicarbonate (HCO3-)
14. Sulfate (SO4=)
15. Chloride (Cl-)
16. Total Dissolved Solids
17. Total Iron (Fe)
18. Manganese (Mn++)
19. Total Hardness as CaCO3
20. Resistivity @ 75 F. (Calculated)

0

0

714

4,200

103,977

177,411

1.50

Not Determined

9,408

/ 17.0 =

/ 30.0 =

/ 61.1 =

/ 48.8 =

/ 35.5 =

0.00

0.00

11.69

86.07

2,928.93

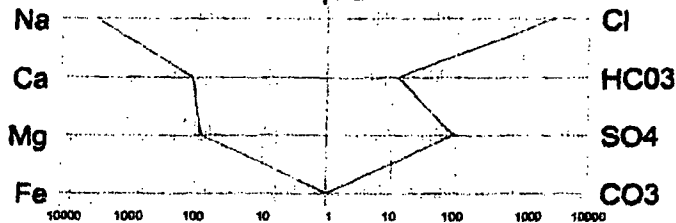
/ 18.2 =

0.08

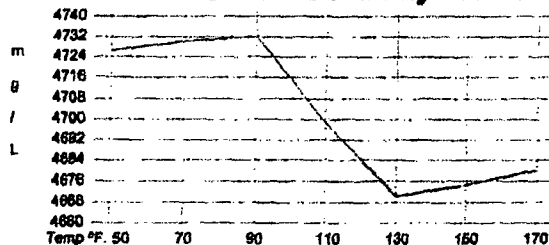
0.017 Ohm · meters

LOGARITHMIC WATER PATTERN

*meq / L.



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT.	=	mg/L.
Ca(HCO3)2	11.69		81.04		947
CaSO4	86.07		68.07		5,858
CaCl2	10.01		55.50		556
Mg(HCO3)2	0.00		73.17		0
MgSO4	0.00		60.19		0
MgCl2	79.59		47.62		3,790
NaHCO3	0.00		84.00		0
NaSO4	0.00		71.03		0
NaCl	2,839.33		58.46		165,987

* milliequivalents per Liter

Tony Abernathy, Analyst

Pro-Kem, Inc.

WATER ANALYSIS REPORT

SAMPLE

Il Co. : LimeRock Resources
 Lease : Jeffery 01
 Well No.: ST
 Location:
 Attention:

Date Sampled : 15-July-2010
 Date Analyzed: 28-July-2010
 Lab ID Number: Jul2810.001- 8
 Salesperson :
 File Name : Jul2810.001

ANALYSIS

1. Ph 5.600
2. Specific Gravity 60/60 F. 1.133
3. CACO3 Saturation Index @ 80F -0.527
@140F 0.463

Negligible
Mild

Dissolved Gasses

4. Hydrogen Sulfide
5. Carbon Dioxide
6. Dissolved Oxygen

MG/L. EQ. WT. *MEQ/L

0

90

Not Determined

Cations

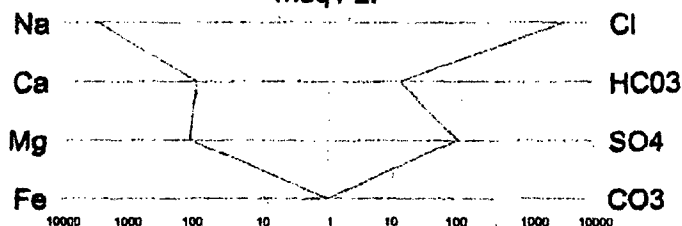
7. Calcium (Ca++) 1,884 / 20.1 = 93.73
8. Magnesium (Mg++) 1,428 / 12.2 = 117.05
9. Sodium (Na+) (Calculated) 67,431 / 23.0 = 2,931.78
10. Barium (Ba++) Not Determined

Anions

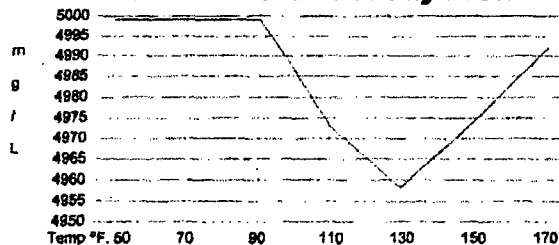
11. Hydroxyl (OH-) 0 / 17.0 = 0.00
12. Carbonate (CO3=) 0 / 30.0 = 0.00
13. Bicarbonate (HCO3-) 703 / 61.1 = 11.51
14. Sulfate (SO4=) 4,200 / 48.8 = 86.07
15. Chloride (Cl-) 107,976 / 35.5 = 3,041.58
16. Total Dissolved Solids 183,622
17. Total Iron (Fe) 1.50 / 18.2 = 0.08
18. Manganese (Mn++) Not Determined
19. Total Hardness as CaCO3 10,584
20. Resistivity @ 75 F. (Calculated) 0.012 Ohm · meters

LOGARITHMIC WATER PATTERN

*meq / L.



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT. =	mg/L.
Ca(HCO3)2	11.51		81.04	932
CaSO4	82.23		68.07	5,597
CaCl2	0.00		55.50	0
Mg(HCO3)2	0.00		73.17	0
MgSO4	3.84		60.19	231
MgCl2	113.21		47.62	5,391
NaHCO3	0.00		84.00	0
NaSO4	0.00		71.03	0
NaCl	2,928.37		58.46	171,192

* milliequivalents per Liter

Tony Abernathy, Analyst

Pro-Kem, Inc.

WATER ANALYSIS REPORT

SAMPLE

Co.: LimeRock Resources
 Lease: Jeffery 36
 Well No.: ST
 Location:
 Attention:

Date Sampled: 15-July-2010
 Date Analyzed: 28-July-2010
 Lab ID Number: Jul2810.001-7
 Salesperson:
 File Name: Jul2810.001

ANALYSIS

1. Ph
2. Specific Gravity 60/60 F.
3. CACO3 Saturation Index

5.600
1.143

@ 80F
@140F

-0.400 Negligible
0.590 Mild

Dissolved Gasses

4. Hydrogen Sulfide
5. Carbon Dioxide
6. Dissolved Oxygen

MG/L. EQ. WT. *MEQ/L

30

100

Not Determined

Cations

7. Calcium (Ca++)
8. Magnesium (Mg++)
9. Sodium (Na+)
10. Barium (Ba++)

(Calculated)

2,072

971

69,530

Not Determined

/ 20.1 =

/ 12.2 =

/ 23.0 =

103.08

79.59

3,023.04

Anions

11. Hydroxyl (OH-)
12. Carbonate (CO3=)
13. Bicarbonate (HCO3-)
14. Sulfate (SO4=)
15. Chloride (Cl-)
16. Total Dissolved Solids
17. Total Iron (Fe)
18. Manganese (Mn++)
19. Total Hardness as CaCO3
20. Resistivity @ 75 F. (Calculated)

0

0

857

4,400

109,975

187,805

1.00

Not Determined

9,173

0.009 Ohm · meters

/ 17.0 =

/ 30.0 =

/ 61.1 =

/ 48.8 =

/ 35.5 =

/ 18.2 =

0.00

0.00

14.03

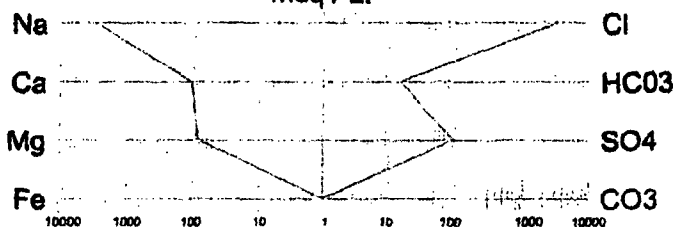
90.16

3,097.89

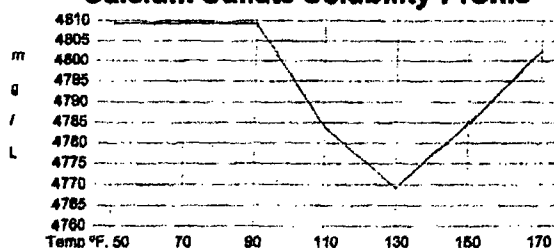
0.05

LOGARITHMIC WATER PATTERN

*meq / L.



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT. =	mg/L.
Ca(HCO3)2	14.03		81.04	1,137
CaSO4	89.06		68.07	6,062
CaCl2	0.00		55.50	0
Mg(HCO3)2	0.00		73.17	0
MgSO4	1.11		60.19	67
MgCl2	78.48		47.62	3,737
NaHCO3	0.00		84.00	0
NaSO4	0.00		71.03	0
NaCl	3,019.40		58.46	176,514

* milliequivalents per Liter

Tony Abernathy, Analyst

Pro-Kem, Inc.

WATER ANALYSIS REPORT

SAMPLE

Co.: LimeRock Resources
 Lease: Kersey
 Well No.: ST
 Location:
 Attention:

Date Sampled: 15-July-2010
 Date Analyzed: 28-July-2010
 Lab ID Number: Jul2810.001- 6
 Salesperson :
 File Name : Jul2810.001

ANALYSIS

1. Ph 5.600
2. Specific Gravity 60/60 F. 1.143
3. CACO3 Saturation Index @ 80F -0.496
@140F 0.494

Negligible
 Mild

Dissolved Gasses

- | | MG/L. | EQ. WT. | *MEQ/L |
|---------------------|----------------|---------|--------|
| 4. Hydrogen Sulfide | 30 | | |
| 5. Carbon Dioxide | 50 | | |
| 6. Dissolved Oxygen | Not Determined | | |

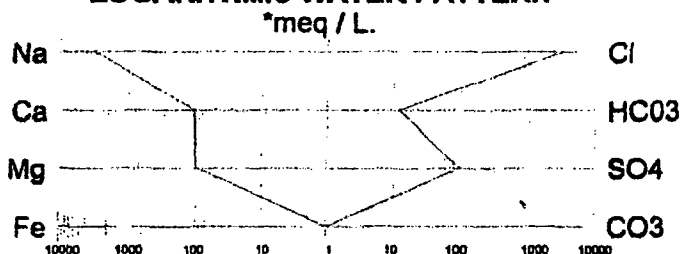
Cations

- | | | | |
|------------------------------|----------------|----------|----------|
| 7. Calcium (Ca++) | 2,072 | / 20.1 = | 103.08 |
| 8. Magnesium (Mg++) | 1,143 | / 12.2 = | 93.69 |
| 9. Sodium (Na+) (Calculated) | 69,836 | / 23.0 = | 3,036.35 |
| 10. Barium (Ba++) | Not Determined | | |

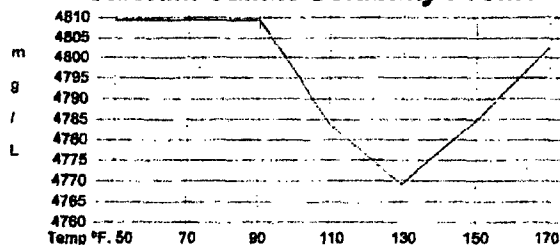
Anions

- | | | | |
|--------------------------------------|--------------------|----------|----------|
| 11. Hydroxyl (OH-) | 0 | / 17.0 = | 0.00 |
| 12. Carbonate (CO3=) | 0 | / 30.0 = | 0.00 |
| 13. Bicarbonate (HCO3-) | 686 | / 61.1 = | 11.23 |
| 14. Sulfate (SO4=) | 4,500 | / 48.8 = | 92.21 |
| 15. Chloride (Cl-) | 110,975 | / 35.5 = | 3,126.06 |
| 16. Total Dissolved Solids | 189,212 | | |
| 17. Total Iron (Fe) | 14.50 | / 18.2 = | 0.80 |
| 18. Manganese (Mn++) | Not Determined | | |
| 19. Total Hardness as CaCO3 | 9,879 | | |
| 20. Resistivity @ 75 F. (Calculated) | 0.008 Ohm · meters | | |

LOGARITHMIC WATER PATTERN



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT. =	mg/L.
Ca(HCO3)2	11.23		81.04	910
CaSO4	91.86		68.07	6,253
CaCl2	0.00		55.50	0
Mg(HCO3)2	0.00		73.17	0
MgSO4	0.36		60.19	21
MgCl2	93.33		47.62	4,444
NaHCO3	0.00		84.00	0
NaSO4	0.00		71.03	0
NaCl	3,032.72		58.46	177,293

* milliequivalents per Liter

Tony Abernathy, Analyst

Pro-Kem WATER ANALYSIS REPORT

SAMPLE

Co. : Lime Rock Resources
 Lease : Staley ST
 Well No.:
 Location:
 Attention:

Date Sampled : 15-July-2010
 Date Analyzed: 28-July-2010
 Lab ID Number: Jul2810.003- 4
 Salesperson :
 File Name : Jul2810.003

ANALYSIS

1. Ph 5.500
2. Specific Gravity 60/60 F. 1.178
3. CACO3 Saturation Index

@ 80F
 @ 140F

-2.905 Negligible
 -1.145 Negligible

Dissolved Gasses

4. Hydrogen Sulfide
5. Carbon Dioxide
6. Dissolved Oxygen

MG/L. EQ. WT. *MEQ/L

0

0

Not Determined

Cations

7. Calcium (Ca++)
8. Magnesium (Mg++)
9. Sodium (Na+)
10. Barium (Ba++)

(Calculated)

1,884 / 20.1 = 93.73
 5,371 / 12.2 = 440.25
 80,438 / 23.0 = 3,497.30

Not Determined

Anions

11. Hydroxyl (OH-)
12. Carbonate (CO3=)
13. Bicarbonate (HCO3-)
14. Sulfate (SO4=)
15. Chloride (Cl-)
16. Total Dissolved Solids
17. Total Iron (Fe)
18. Manganese (Mn++)
19. Total Hardness as CaCO3
20. Resistivity @ 75 F. (Calculated)

0 / 17.0 = 0.00
 0 / 30.0 = 0.00
 0 / 61.1 = 0.00
 15,000 / 48.8 = 307.38
 131,970 / 35.5 = 3,717.46
 234,663
 2,500.00 / 18.2 = 137.36

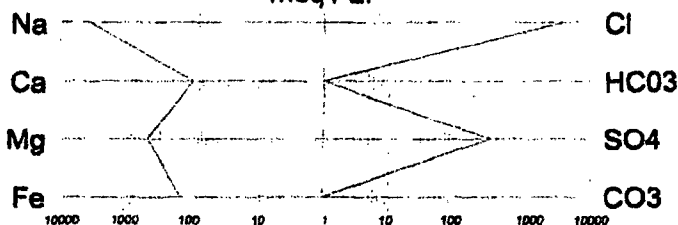
Not Determined

26,814

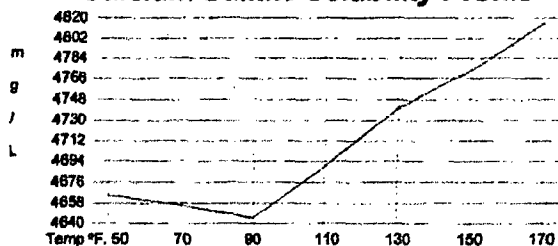
0.001 Ohm · meters

LOGARITHMIC WATER PATTERN

*meq / L.



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT. =	mg/L.
Ca(HCO3)2	0.00		81.04	0
CaSO4	93.73		68.07	6,380
CaCl2	0.00		55.50	0
Mg(HCO3)2	0.00		73.17	0
MgSO4	213.65		60.19	12,859
MgCl2	226.60		47.62	10,791
NaHCO3	0.00		84.00	0
NaSO4	0.00		71.03	0
NaCl	3,490.86		58.46	204,076

* milliequivalents per Liter

Tony Abernathy, Analyst

Pro-Kem WATER ANALYSIS REPORT

SAMPLE

Co.: Lime Rock Resources
Lease : Staley ST A
Well No.:
Location:
Attention:

Date Sampled : 15-July-2010
Date Analyzed: 28-July-2010
Lab ID Number: Jul2810.003- 5
Salesperson :
File Name : Jul2810.003

ANALYSIS

1. Ph 5.600
2. Specific Gravity 60/60 F. 1.118
3. CACO3 Saturation Index

@ 80F
@ 140F

-0.204 Negligible
0.716 Moderate

Dissolved Gasses

	MG/L.	EQ. WT.	*MEQ/L
4. Hydrogen Sulfide	80		
5. Carbon Dioxide	160		
6. Dissolved Oxygen	Not Determined		

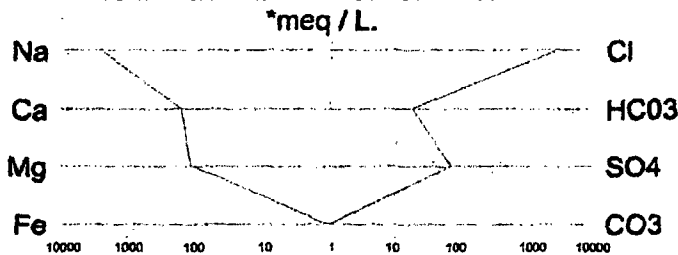
Cations

7. Calcium (Ca++)	3,391	/ 20.1 =	168.71
8. Magnesium (Mg++)	1,371	/ 12.2 =	112.38
9. Sodium (Na+) (Calculated)	58,430	/ 23.0 =	2,540.44
10. Barium (Ba++)	Not Determined		

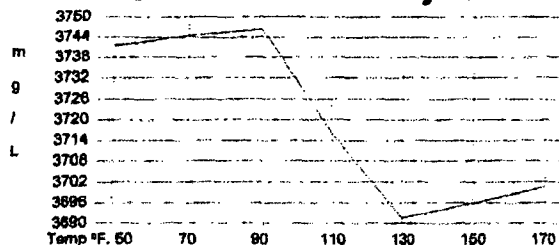
Anions

11. Hydroxyl (OH-)	0	/ 17.0 =	0.00
12. Carbonate (CO3=)	0	/ 30.0 =	0.00
13. Bicarbonate (HCO3-)	1,060	/ 61.1 =	17.35
14. Sulfate (SO4=)	3,400	/ 48.8 =	69.67
15. Chloride (Cl-)	96,978	/ 35.5 =	2,731.77
16. Total Dissolved Solids	164,630		
17. Total Iron (Fe)	18.00	/ 18.2 =	0.99
18. Manganese (Mn++)	Not Determined		
19. Total Hardness as CaCO3	14,113		
20. Resistivity @ 75 F. (Calculated)	0.027 Ohm · meters		

LOGARITHMIC WATER PATTERN



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	*meq/L	X	EQ. WT.	=	mg/L.
Ca(HCO3)2	17.35		81.04		1,406
CaSO4	69.67		68.07		4,743
CaCl2	81.69		55.50		4,534
Mg(HCO3)2	0.00		73.17		0
MgSO4	0.00		60.19		0
MgCl2	112.38		47.62		5,351
NaHCO3	0.00		84.00		0
NaSO4	0.00		71.03		0
NaCl	2,537.71		58.46		148,355

* milliequivalents per Liter

Tony Abernathy, Analyst



New Mexico Office of the State Engineer **Water Column/Average Depth to Water**

No records found.

PLSS Search:

Section(s): 3, 4, 5

Township: 18S

Range: 28E

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

5/14/12 9:42 AM

Page 1 of 1

**WATER COLUMN/ AVERAGE
DEPTH TO WATER**



New Mexico Office of the State Engineer **Water Column/Average Depth to Water**

No records found.

PLSS Search:

Section(s): 8, 9, 10

Township: 18S

Range: 28E

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.



New Mexico Office of the State Engineer **Water Column/Average Depth to Water**

No records found.

PLSS Search:

Section(s): 32, 33, 34

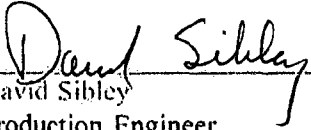
Township: 17S

Range: 28E

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

Form C-108
Affirmative Statement
LRE Operating, LLC
Eddy-Humble "4" State SWD #1
Section 4, T-18 South, R-28 East, NMPM,
Eddy County, New Mexico

Available geologic and engineering data has been examined and no evidence of open faults or hydrological connection between the injection zone and any underground sources of drinking water has been found.



David Sibley
Production Engineer
LRE Operating, LLC

5-17-2012
Date

May 18, 2012

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

TO: OFFSET OPERATORS/LEASEHOLD OWNERS/WORKING INTEREST OWNERS &
SURFACE OWNER

Re: LRE Operating, LLC
Form C-108 (Application for Authorization to Inject)
Eddy-Humble "4" State SWD No. 1
API No. Not Yet Assigned
2310' FSL & 1650' FEL, Unit J, Section 4, T-18S, R-28E, NMPM,
Eddy County, New Mexico

Ladies & Gentlemen:

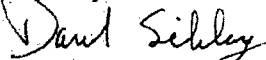
Enclosed please find a copy of Oil Conservation Division Form C-108 (Application for Authorization to Inject) for the LRE Operating, LLC. ("LRE") Eddy-Humble "4" State SWD Well No. 1. You are being provided a copy of the application as an offset operator, offset leaseholder, offset working interest owner or surface owner. LRE proposes to drill this well and complete it as a produced water disposal well, injection to occur into the Abo, Wolfcamp and Cisco formations through the perforated and open-hole interval from 6,705 feet to 9,300 feet. 9000

This application is being filed administratively, and is also being docketed for the Examiner Hearing scheduled for June 21, 2012. If the application qualifies, LRE is seeking administrative approval of this application. Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

If a hearing for this application is required, this application will be set for hearing before a Division Examiner on June 21, 2012 at 8:15 a.m. at the New Mexico Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico. You are not required to attend this hearing, but as an owner of an interest that may be affected, you may appear and present testimony. Failure to appear at the time and become a party of record will preclude you from challenging this application at a later time. If you intend to attend the hearing and present testimony or evidence, you must enter your appearance and serve the Division, counsel for the Applicant, and other parties with a pre-hearing statement at least four business days before the scheduled hearing date in accordance with 19.15.4.13(B) NMAC.

If you should have any questions, please contact me at (713) 345-2134.

Sincerely,



David Sibley, Production Engineer
LRE Operating, LLC
1111 Bagby Street, Suite 4600
Houston, Texas 77002

Enclosure

LRE Operating, LLC
Form C-108; Eddy-Humble "4" State SWD No. 1
½ Mile Notice Area Ownership
(Working Interest Owners Unless Otherwise Noted)

Section 3; W/2
T-18-S, R-28-E, N.M.P.M.
Eddy County, NM

H & S Oil Company
P.O. Box 186
Artesia, NM 88211

Khody Land & Minerals Company
3817 NW Expressway, Suite 950
Oklahoma City, OK 73112

Melrose Operating Company
20333 State Hwy 249, Suite 310
Houston, TX 77070

SDX Resources Inc
507 N. Marienfield St., Suite 100
Midland, TX 79701

Roy L Burrow
P.O. Box 706
Roswell, NM 88201

S. A. Lanning
1102 Hermosa Dr.
Artesia, NM 88210

Yates Petroleum Corporation (Offset Operator)
105 S Fourth Street
Artesia, NM 88210

Marathon Oil Company
P.O. Box 552
Midland, TX 79702

BP America Production Company
P.O. Box 3092
Houston, TX 77253

Oxy USA, Inc.
P.O. Box 4294
Houston, TX 77210

Black Diamond Resources, LLC
1401 McKinney St., Suite 2400
Houston, TX 77010

QAC Carried WI, LP
1401 McKinney St., Suite 2400
Houston, TX 77010

QRE Operating, LLC
1401 McKinney St., Suite 2400
Houston, TX 77010

LRE Operating, LLC
Form C-108; Eddy-Humble "4" State SWD No. 1
½ Mile Notice Area Ownership (Page 2)

Apache Corporation
303 Veterans Airpark Lane, Suite 3000
Midland, TX 79705

Quantum Resource Management, LLC
1401 McKinney St., Suite 2400
Houston, TX 77010

Bogle LTD Company
P.O. Box 460
Dexter, NM 88231

Section 4; All sae NW/4 NW/4
T-18-S, R-28-E, N.M.P.M
Eddy County, NM

Oxy USA, Inc.
P.O. Box 4294
Houston, TX 77210

Chase Oil Corporation
P.O. Box 1767
Artesia, NM 88211

Penroc Oil Corporation
P.O. Box 2769
Hobbs, NM 88241

Chisos, LTD & Pure Energy Group, Inc
670 Dona Ana Road SW
Deming, NM 88030

Marathon Oil Company
P.O. Box 552
Midland, TX 79702

Exxon Mobil Corporation
P.O. Box 2305
Houston, TX 77252

DeKalb Energy Company
14000 Quail Springs Pkwy, Suite 600
Oklahoma City, OK 73134

Melrose Operating Company
20333 State Hwy 249, Suite 310
Houston, TX 77070

Black Diamond Resources, LLC
1401 McKinney St., Suite 2400
Houston, TX 77010

QAC Carried WI, LP
1401 McKinney St., Suite 2400
Houston, TX 77010

QRE Operating, LLC
1401 McKinney St., Suite 2400
Houston, TX 77010

LRE Operating, LLC
Form C-108; Eddy-Humble "4" State SWD No. 1
½ Mile Notice Area Ownership (Page 3)

Yates Petroleum Corporation (Offset Operator)
105 S Fourth Street
Artesia, NM 88210

Marathon Oil Company
P.O. Box 552
Midland, TX 79702

Alamo Permian Resources, LLC
415 W Wall Street # 500
Midland, TX 79701

Apache Corporation
303 Veterans Airpark Lane, Suite 3000
Midland, TX 79705

Sandlott Energy
P.O. Box 711
Lovington, NM 88260

Mewbourne Oil Co. (Offset Operator)
P.O. Box 7698
Tyler, TX 75711

Quantum Resource Management, LLC
1401 McKinney St., Suite 2400
Houston, TX 77010

Atlantic Richfield Company
1601 Summit Ave
Plano, TX 75074

Nearburg Producing Company
3300 North A St., Suite 8100
Midland, TX 79705

Doral Energy Corporation
415 W. Wall St., Suite 500
Midland, TX 79701

BP America Production Company
P.O. Box 3092
Houston, TX 77253

American Petrofina Company
P.O. Box 1311
Big Spring, TX 79720

Graridge Corporation
P.O. Box 752
Breckenridge, TX 76424

B&W Oil Company, Inc
R -252 N. Haldeman Rd
Artesia, NM 88210

LRE Operating, LLC
Form C-108; Eddy-Humble "4" State SWD No. 1
1/2 Mile Notice Area Ownership (Page 4)

Tom L Ingram
P.O. Box 1757
Roswell, NM 88201

Mack Energy Corporation
P.O. Box 960
Artesia, NM 88210

Marbob Energy Corporation
P.O. Drawer 217
Artesia, NM 88210

Warren Hanson dba Hanson Energy
R342 S. Haldeman Road
Artesia, NM 88210

COG Operating, LLC
550 W Texas Ave., Suite 100
Midland, TX 79701

Concho Oil & Gas, LLC
550 W Texas Ave., Suite 100
Midland, TX 79701

Alamo Resources II
820 Gessner Rd, Suite 1650
Houston, TX 77024

Rainbow Energy Corporation
2610 Camarie
Midland, TX 79705

Arrowhead Operating, Inc
2610 Camarie
Midland, TX 79705

Plains Petroleum Operating Company
415 W. Wall St. Suite 2110
Midland, TX 79701

Arch Petroleum Inc
777 Taylor St. Suite IIA
Fort Worth, TX 76102

Edge Petroleum Exploration Company
1301 Travis St Ste 2000
Houston, TX 77002

Mission Resources Incorporation
1100 La St Ste 4400
Houston, TX 77002

Manix Energy, LLC
3300 N A St Bldg 8
Midland, TX 79705

LRE Operating, LLC
Form C-108; Eddy-Humble "4" State SWD No. 1
½ Mile Notice Area Ownership (Page 5)

Amoco Production Company
P.O. Box 3092
Houston, TX 77079

Nadel & Gussman Permian, LLC (Offset Operator)
601 N. Marienfeld, Suite 508
Midland, Texas 79701

Commissioner of Public Lands (Surface Owner)
P.O. Box 1148
Santa Fe, New Mexico 87507

**Section 9; N/2 NE/4
T-18-S, R-28-E, N.M.P.M.
Eddy County, NM**

F&M Oil & Gas Company
P.O. Box 891
Midland, TX 79702

Exxon Mobil Corporation
P.O. Box 2305
Houston, TX 77252

Rainbow Energy Corporation
2610 Camarie
Midland, TX 79705

Arrowhead Operating, Inc
2610 Camarie
Midland, TX 79705

Plains Petroleum Operating Company
415 W. Wall St. Suite 2110
Midland, TX 79701

Arch Petroleum Inc
777 Taylor St. Suite IIA
Fort Worth, TX 76102

Finwing Corporation
P.O. Box 10886
Midland, TX 79702

Khody Land & Minerals Company
3817 NW Expressway, Suite 950
Oklahoma City, OK 73112

Sandlott Energy
P.O. Box 711
Lovington, NM 88260

Bogle LTD Company
P.O. Box 460
Dexter, NM 88231

LRE Operating, LLC
Form C-108; Eddy-Humble "4" State SWD No. 1
1/2 Mile Notice Area Ownership (Page 6)

EGL Resources, Inc.
508 W. Wall Street,
Suite 1250
Midland, Texas 79701

Form C-108
LRE Operating, LLC
Eddy-Humble "4" State SWD #1
2310' FSL & 1650' FEL (Unit J)
Section 4, T-18 South, R-28 East, NMPM,
Eddy County, New Mexico

Legal notice will be published in the:

*Artesia Daily Press
P.O. Box 190
Artesia, New Mexico 88221-0190*

A copy of the legal advertisement will be forwarded to the Division upon publication.

LRE Operating, LLC, 1111 Bagby Street, Suite 4600, Houston, Texas 77002 has filed a Form C-108 (Application for Authorization to Inject) with the Oil Conservation Division seeking administrative approval to utilize as a produced water disposal well it's proposed Eddy-Humble "4" State SWD #1 to be drilled 2310' FSL & 1650' FEL (Unit J) of Section 4, Township 18 South, Range 28 East, NMPM, Eddy County, New Mexico. The well will be utilized to dispose produced water from various producing formations in the area of the disposal well. Injection will occur into the Abo, Wolfcamp and Cisco formations through the perforated interval from ~~6,705 feet to 6,805 feet~~ ^{6,700} ~~6,805 feet~~ ^{9,500} and the ~~open-hole interval from 6,805 feet to 9,500 feet~~. The average and maximum injection rates will be 10,000 and 20,000 barrels of water per day, respectively, and the average and maximum surface injection pressure is anticipated to be 1,000 psi and 1,341 psi, respectively.

Interested parties must file objections with the New Mexico Oil Conservation Division, 1220 S. St Francis Drive, Santa Fe, New Mexico 87505, within 15 days of the date of this publication.

Additional information can be obtained by contacting David Sibley, Production Engineer, LRE Operating, LLC at (713) 345-2134.



July 3, 2012

Energy, Minerals and Natural Resources Department
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Attention: Ms. Jami Bailey, CPG
Division Director

Re: Form C-108
LRE Operating, LLC
Eddy-Humble "4" State SWD No. 1
API No. Not Yet Assigned
2310' FSL & 1650' FEL, Unit J
Section 4, T-18S, R-28E, NMPM,
Eddy County, New Mexico

Dear Ms. Bailey,

On May 21, 2012 LRE Operating, LLC ("LRE") filed a Form C-108 for its proposed Eddy-Humble "4" State SWD Well No. 1. Injection was proposed to be into the Abo, Wolfcamp and Cisco formations through the perforated interval from 6,705 feet to 6,805 feet, and the open-hole interval from 6,805 feet to 9,300 feet.

Due to a concern expressed by an offset operator, LRE proposes to change the wellbore configuration such that there will be no open-hole injection within the well. LRE proposes to set a 4 1/2" production liner from 6,580 feet to 9,000 feet and cement to the top of the liner (See attached wellbore schematic). The proposed injection formations and intervals will not change, except that the well will now be drilled to a total depth of 9,000 feet instead of 9,300 feet as originally planned.

Consequently, LRE now requests approval to inject into the Abo, Wolfcamp and Cisco formations through the perforated interval from 6,705 feet to 9,000 feet.

It is LRE's belief that since the injection interval is not being expanded, and since the only material change to the application is the addition of a production liner, further notice by certified mail and publication should not be required.

LRE further requests an exception to the packer setting depth rule to allow the ZXP Liner Top Packer and Polished Bore Receptacle Assembly to be placed approximately 125 feet above the uppermost injection perforations at 6,705 feet. This


LRE Operating, LLC
Form C-108
Eddy-Humble "4" State SWD No. 1
July 3, 2012
Page 2

will allow LRE to achieve an acceptable overlap of the 4 ½" production liner inside the 7" production casing which is consistent with good engineering design practice.

Attached is a revised injection well data sheet and wellbore schematic.

I believe that all the information necessary to approve the requested amendments is enclosed. If additional information is needed, please contact me at (713) 345-2134.

Sincerely,



David Sibley
Production Engineer
LRE Operating, LLC
1111 Bagby Street, Suite 4600
Houston, Texas 77002

Xc: OCD-Artesia

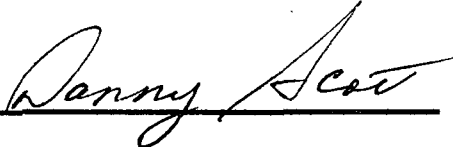
Affidavit of Publication

NO. 22154

STATE OF NEW MEXICO

County of Eddy:

Danny Scott



being duly sworn, says that he is the Publisher

of the Artesia Daily Press, a daily newspaper of general

circulation, published in English at Artesia, said county

and state, and that the hereto attached

Legal Notice

was published in a regular and entire issue of the said

Artesia Daily Press, a daily newspaper duly qualified

for that purpose within the meaning of Chapter 167 of

the 1937 Session Laws of the state of New Mexico for

1 Consecutive weeks/days on the same

day as follows:

First Publication May 20, 2012

Second Publication _____

Third Publication _____

Fourth Publication _____

Fifth Publication _____


Subscribed and sworn to before me this

21st day of May 2012



OFFICIAL SEAL
Latisha Romine
NOTARY PUBLIC-STATE OF NEW MEXICO

My commission expires: 5/12/2015



Latisha Romine
Notary Public, Eddy County, New Mexico

Copy of Publication:

LEGAL NOTICE

LRE Operating, LLC, 1111 Bagby Street, Suite 4600, Houston, Texas 77002 has filed a Form C-108 (Application for Authorization to Inject) with the Oil Conservation Division seeking administrative approval to utilize as a produced water disposal well it's proposed Eddy-Humble "4" State SWD #1 to be drilled 2310' FSL & 1650' FEL (Unit J) of Section 4, Township 18 South, Range 28 East, NMPM, Eddy County, New Mexico. The well will be utilized to dispose produced water from various producing formations in the area of the disposal well. Injection will occur into the Abo, Wolfcamp and Cisco formations through the perforated interval from 6,705 feet to 6,805 feet, and the open-hole interval from 6,805 feet to 9,300 feet. The average and maximum injection rates will be 10,000 and 20,000 barrels of water per day, respectively, and the average and maximum surface injection pressure is anticipated to be 1,000 psi and 1,341 psi, respectively.

Interested parties must file objections with the New Mexico Oil Conservation Division, 1220 S. St Francis Drive, Santa Fe, New Mexico 87505, within 15 days of the date of this publication.

Additional information can be obtained by contacting David Sibley, Production Engineer, LRE Operating, LLC at (713) 345-2134.
Published in the Artesia Daily Press, Artesia, N.M., May 20, 2012. Legal No 22154.

Jones, William V., EMNRD

From: Jones, William V., EMNRD
Sent: Monday, June 11, 2012 6:50 PM
To: 'David Sibley'
Cc: 'drcatanach@netscape.com'; 'padillalaw@qwestoffice.net'; Ezeanyim, Richard, EMNRD; Kautz, Paul, EMNRD; 'Dawson, Scott'; Shapard, Craig, EMNRD
Subject: Disposal administrative application from LRE Operating, LLC: proposed Eddy-Humble "4" State SWD #1 30-015-NA 2310FSL 1650FEL J/4/18S/28E

Mr. Padilla: This is also the subject of upcoming Division Case No. 14863

I just reviewed this administrative application and wanted to share some comments and concerns,

- will stop above THIS internal*
- a. About a mile to the SE, the Cisco was tried as a completion prior to plugging (Illinois Camp; Cisco Gas Pool) in one well. That well tested liquids rich gas from the Cisco and appears to be down dip from your proposed Cisco disposal well. That well had all sorts of logs and a mudlog run on it but had rampant fluid loss over a large portion of the hole while drilling. If your well is updip you may see something. If you included some sort of Geo's writeup about the Cisco in this area i.e. lithology and structure map it would help.
 - b. Would you comment on what sort of mudlogging or logging you plan to run on this well. Any permit issued will likely require some sort of diagnostics and restrict use of any portion showing potential for production of hydrocarbons.
 - c. Please ask Mewbourne where the DV tool is on the 30-015-29688 well. Apparently the final casing/cementing details did not make it into the Division's well file. Send a quick wellbore diagram of this (only) AOR well showing cement coverage and the DV tool placement.
 - d. The State Engineer's site has no fresh water wells within a mile – has LRE done a visual check to see if windmills or older wells exist?
 - e. What is the best guess for the top of the Strawn at this location?
 - f. The projected cement top for the 7 inch casing is only to the intermediate shoe (2800 feet) LRE should plan on a designing cement to at least cover that shoe or higher.

Thank You for the application,

William V Jones, P.E.
Engineering, Oil Conservation Division
1220 South St. Francis Drive, Santa Fe, NM 87505
Tel 505.476.3448 ~ Fax 505.476.3462



Jones, William V., EMNRD

From: David Sibley [dsibley@limerockresources.com]
Sent: Monday, July 02, 2012 1:29 PM
To: Jones, William V., EMNRD
Cc: Stan Bishop; drcatanach@netscape.com; Ernest Padilla
Subject: Responses:.... Disposal administrative application from LRE Operating, LLC: proposed Eddy-Humble "4" State SWD #1 30-015-NA 2310FSL 1650FEL J/4/18S/28E
Attachments: Eddy-Humble_4_State_COM_#1_SWD_Proposed_WBS_REV3_6-29-12.xlsx; Eddy Humble SWD Strawn Structure 150 dpi 7-2-12.jpg

Will,

The following comments are in response to your questions of June 11, 2012.

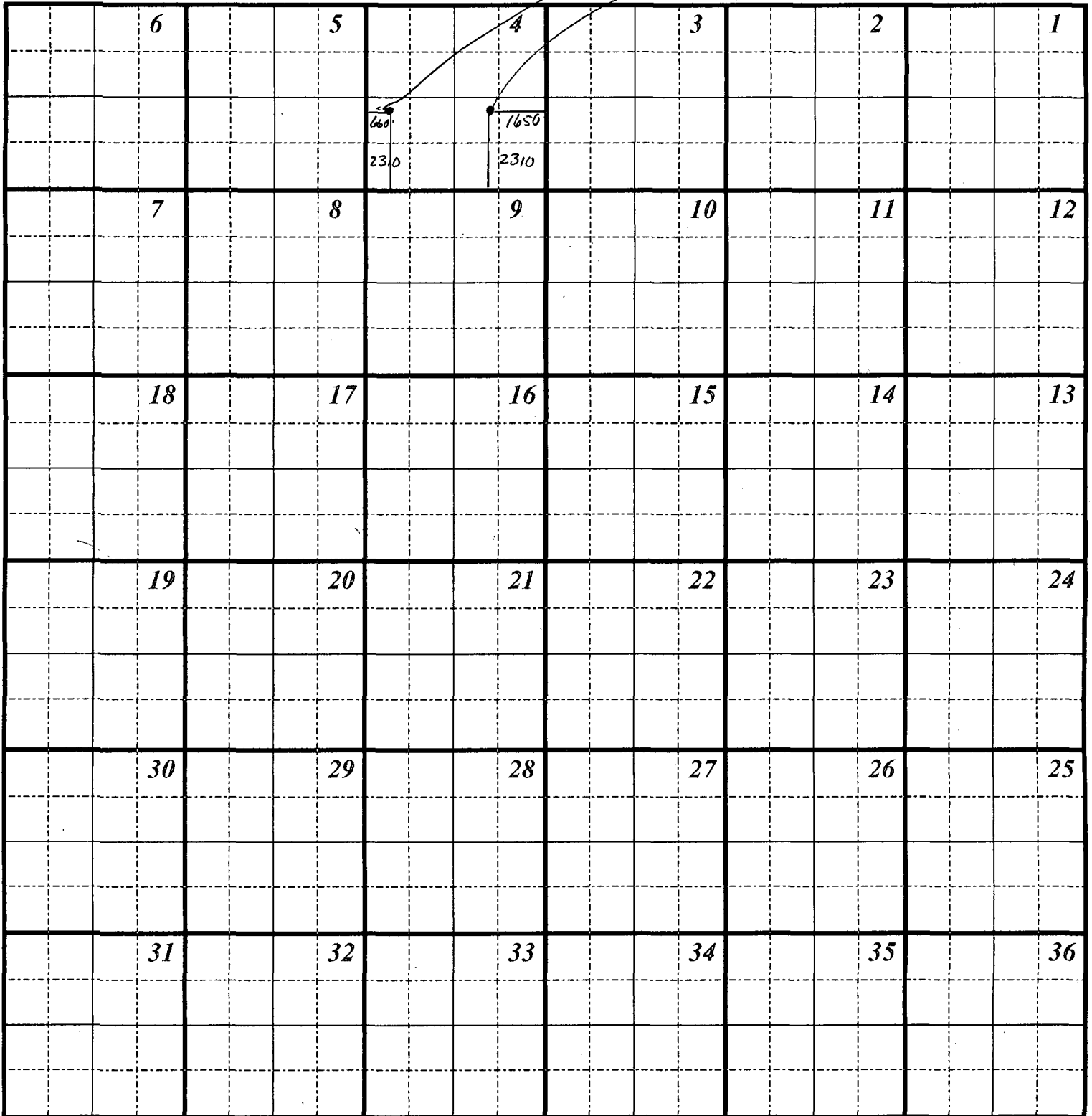
- a) The Cisco section in this area has thin streaky limestone porosity with the better porosity being in the top, which is the base of intended disposal. The actual well mentioned with the Cisco hydrocarbons is the Altura Energy Fireweed 10 Federal No. 1, which did perforate the lower Cisco with the top perf being 9528' md. This is the only presence of any hydrocarbon production (uneconomic...cum of 358 bbls oil w gas total in 1999) that I am aware of in the area. Lime Rock's proposed Eddy Humble No. 1 SWD will be adjusted to reach a maximum depth of 9000 feet, which will stop short of the stratigraphically equivalent of the top perf hydrocarbon "show" by more than 200'. This depth takes into account the 300 feet of structural dip from the Eddy Humble location down to the Fireweed. (see attached Structure map of the Strawn, which is a very continuously correlative marker that lies just 325 feet below the Fireweed top Cisco perf) .
- b) It would be Lime Rock's intention to run a triple combo log with spectral gamma ray in the well. We will also perform a mud log over the zones of interest.
- c) We are waiting for Mewbourne to respond to Randy Dade's request for this information. He told me he would request this information on 6-25-12. We will provide a well bore diagram of this well when that information is available on line.
- d) We have done a visual check. There are no water wells within the area of review.
- e) Top of Strawn is projected to be at 9595' md at this location.
- f) Please see the attached revised well bore diagram, showing designed TOC at 2,600'.

Thanks,
David

From: David Sibley
Sent: Tuesday, June 12, 2012 8:13 AM



2970 = 1562' 30-015-29688
Eddy Amble 4 No.1



Section _____ Township _____ Range _____

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 Quantum Resources Mgmt, LLC
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 1401 McKinney St. Ste 2400
 Houston, TX 77010

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PS Form 3800, August 2006

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Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.79

Postmark
Here

Sent To

Rainbow Energy Corporation
 Street, Apt. No., or PO Box No. 2610 Camarie
 City, State, ZIP+4 Midland, TX 79705

PS Form 3800, August 2006

See Reverse for Instructions

7012 0470 0001 5943 9668

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
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For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$.49
Certified Fee	2.99
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.79

Postmark
Here

Sent To

Alamo Resources II
 Street, Apt. No., or PO Box No. 820 Gessner Rd. Ste 1650
 City, State, ZIP+4 Houston, TX 77024

PS Form 3800, August 2006

See Reverse for Instructions

7012 0470 0001 5943 9774

U.S. Postal Service™	
CERTIFIED MAIL™ RECEIPT	
(Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
OFFICIAL USE	

Postage	\$.45
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.75

Postmark
Here

Sent To	
American Petrofina Company	
PO Box 1311	
Big Spring, TX 79720	
PS Form 3800, August 2006	See Reverse for Instructions

7012 0470 0001 5943 9767

U.S. Postal Service™	
CERTIFIED MAIL™ RECEIPT	
(Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
OFFICIAL USE	

Postage	\$.45
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.75

Postmark
Here

Sent To	
Graridge Corporation	
PO Box 752	
Breckenridge, TX 76424	
PS Form 3800, August 2006	See Reverse for Instructions

7012 0470 0001 5943 9750

U.S. Postal Service™	
CERTIFIED MAIL™ RECEIPT	
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For delivery information visit our website at www.usps.com	
OFFICIAL USE	

Postage	\$.45
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.75

Postmark
Here

Sent To	
B&W Oil Company, Inc.	
252 N. Haldeman Rd	
Artesia, NM 88210	
PS Form 3800, August 2006	See Reverse for Instructions

7012 0470 0001 5943 9743

U.S. Postal Service™	
CERTIFIED MAIL™ RECEIPT	
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For delivery information visit our website at www.usps.com	
OFFICIAL USE	

Postage	\$.45
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.75

Postmark
Here

Sent To	
Tom L. Ingram	
PO Box 1757	
Roswell, NM 88210	
PS Form 3800, August 2006	See Reverse for Instructions

7012 0470 0001 5943 9736

U.S. Postal Service™	
CERTIFIED MAIL™ RECEIPT	
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For delivery information visit our website at www.usps.com	
OFFICIAL USE	

Postage	\$.45
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.75

Postmark
Here

Sent To	
Mack Energy Corporation	
PO Box 960	
Artesia, NM 88210	
PS Form 3800, August 2006	See Reverse for Instructions

7012 0470 0001 5943 9729

U.S. Postal Service™	
CERTIFIED MAIL™ RECEIPT	
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OFFICIAL USE	

Postage	\$.45
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.75

Postmark
Here

Sent To	
Marbob Energy Corporation	
PO Drawer 217	
Artesia, NM 88210	
PS Form 3800, August 2006	See Reverse for Instructions

7012 0470 0001 5943 9835

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CERTIFIED MAIL™ RECEIPT
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OFFICIAL USE

Postage	\$.45
Certified Fee	2.45
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.75

Postmark
Here

Sent To
 Mewbourne Oil
 Street, Apt. No.
 or PO Box PO Box 7698
 City, State, ZIP+4
 Tyler, TX 75711
 PS Form 3800, August 2006 See Reverse for Instructions

7012 0470 0001 5943 9828

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
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OFFICIAL USE

Postage	\$.45
Certified Fee	2.45
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.75

Postmark
Here

Sent To
 SDX Resources Inc.
 Street, Apt. No.
 or PO Box No. 507 N. Marienfield St., Ste 100
 City, State, ZIP+4
 Midland, TX 79701
 PS Form 3800, August 2006 See Reverse for Instructions

7012 0470 0001 5943 9811

U.S. Postal Service™
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OFFICIAL USE

Postage	\$.45
Certified Fee	2.45
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.75

Postmark
Here

Sent To
 Warren Hanson dba
 Hanson Energy
 Street, Apt. No.
 or PO Box No. 342 S. Haldeman Road
 City, State, ZIP+4
 Artesia, NM 88210
 PS Form 3800, August 2006 See Reverse for Instructions

7012 0470 0001 5943 9804

U.S. Postal Service™
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OFFICIAL USE

Postage	\$.45
Certified Fee	2.45
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.75

Postmark
Here

Sent To
 Alamo Permian Resources, LLC
 Street, Apt. No.
 or PO Box No. 15 W. Wall Street #500
 City, State, ZIP+4
 Midland, TX 79701
 PS Form 3800, August 2006 See Reverse for Instructions

7012 0470 0001 5943 9798

U.S. Postal Service™
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Postage	\$.45
Certified Fee	2.45
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.75

Postmark
Here

Sent To
 Nearburg Producing Company
 Street, Apt. No.
 or PO Box No. 300 North A St Ste 8100
 City, State, ZIP+4
 Midland, TX 79705
 PS Form 3800, August 2006 See Reverse for Instructions

7012 0470 0001 5943 9781

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OFFICIAL USE

Postage	\$.45
Certified Fee	2.45
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.75

Postmark
Here

Sent To
 Doral Energy Corporation
 Street, Apt. No.
 or PO Box No. 15 W Wall St Ste 500
 City, State, ZIP+4
 Midland, TX 79701
 PS Form 3800, August 2006 See Reverse for Instructions

7012 0470 0001 5943 9897

U.S. Postal ServiceTM
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OFFICIAL USE

Postage	\$.45	Postmark Here
Certified Fee	2.95	
Return Receipt Fee (Endorsement Required)	2.35	
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 5.75	

Sent To
Commissioner of Public Lands
Street, Apt. No., or PO Box No. PO Box 1148
City, State, ZIP+4 Santa Fe, NM 87504
PS Form 3800, August 2006 See Reverse for Instructions

7012 0470 0001 5943 9873

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OFFICIAL USE

Postage	\$.45	Postmark Here
Certified Fee	2.95	
Return Receipt Fee (Endorsement Required)	2.35	
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 5.75	

Sent To
H. & S. Oil Company
Street, Apt. No., or PO Box No. PO Box 186
City, State, ZIP+4 Artesia, NM 88211
PS Form 3800, August 2006 See Reverse for Instructions

7012 0470 0001 5943 9859

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Postage	\$.45	Postmark Here
Certified Fee	2.95	
Return Receipt Fee (Endorsement Required)	2.35	
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 5.75	

Sent To
Melrose Operating Company
Street, Apt. No., or PO Box No. 20333 State Hwy 249, Ste 310
City, State, ZIP+4 Houston, TX 77070
PS Form 3800, August 2006 See Reverse for Instructions

7012 0470 0001 5943 9897

U.S. Postal ServiceTM
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OFFICIAL USE

Postage	\$.45	Postmark Here
Certified Fee	2.95	
Return Receipt Fee (Endorsement Required)	2.35	
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 5.75	

Sent To
EGL Resources, Inc.
Street, Apt. No., or PO Box No. 508 W. Wall Street, Ste 1250
City, State, ZIP+4 Midland, TX 79701
PS Form 3800, August 2006 See Reverse for Instructions

7012 0470 0001 5943 9869

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OFFICIAL USE

Postage	\$.45	Postmark Here
Certified Fee	2.95	
Return Receipt Fee (Endorsement Required)	2.35	
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 5.75	

Sent To
Atlantic Richfield Company
Street, Apt. No., or PO Box No. 1601 Summit Avenue
City, State, ZIP+4 Plano, TX 75074
PS Form 3800, August 2006 See Reverse for Instructions

7012 0470 0001 5943 9845

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OFFICIAL USE

Postage	\$.45	Postmark Here
Certified Fee	2.95	
Return Receipt Fee (Endorsement Required)	2.35	
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 5.75	

Sent To
Khody Land & Minerals Co.
Street, Apt. No., or PO Box No. 3817 NW Expressway, Ste 950
City, State, ZIP+4 Oklahoma City, OK 73112
PS Form 3800, August 2006 See Reverse for Instructions

7012 0470 0001 5943 9958

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OFFICIAL USE

Postage	\$.45
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.75

Postmark
Here

Sent To
 Street, Apt. No.,
 or PO Box No. COG-Operating, LLC
 550 W Texas Avenue, Ste 100
 City, State, ZIP+4 Midland, TX 79701

PS Form 3800, August 2006 See Reverse for Instructions

7012 0470 0001 5943 9942

U.S. Postal Service[™]
CERTIFIED MAIL[™] RECEIPT
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OFFICIAL USE

Postage	\$.45
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.75

Postmark
Here

Sent To
 Street, Apt. No.,
 or PO Box No. Finwing Corporation
 PO Box 10886
 City, State, ZIP+4 Midland, TX 79702

PS Form 3800, August 2006 See Reverse for Instructions

7012 0470 0001 5943 9934

U.S. Postal Service[™]
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OFFICIAL USE

Postage	\$.45
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.75

Postmark
Here

Sent To
 Street, Apt. No.,
 or PO Box No. Nadel & Gussman Permian LLC
 601 N. Marienfeld, Ste 508
 City, State, ZIP+4 Midland, TX 79701

PS Form 3800, August 2006 See Reverse for Instructions

7012 0470 0001 5943 9927

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OFFICIAL USE

Postage	\$.45
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.75

Postmark
Here

Sent To
 Street, Apt. No.,
 or PO Box No. Mission Resources Inc.
 100 La St Ste 4400
 City, State, ZIP+4 Houston, TX 77002

PS Form 3800, August 2006 See Reverse for Instructions

7012 0470 0001 5943 9910

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OFFICIAL USE

Postage	\$.45
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.75

Postmark
Here

Sent To
 Street, Apt. No.,
 or PO Box No. Manix Energy, LLC
 3300 N A St Bldg 8
 City, State, ZIP+4 Midland, TX 79705

7012 0470 0001 5943 9903

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Postage	\$.45
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.75

Postmark
Here

Sent To
 Street, Apt. No.,
 or PO Box No. F&M Oil & Gas Company
 PO Box 891
 City, State, ZIP+4 Midland, TX 79702

7012 0470 0001 5943 9569

U.S. Postal Service™	
CERTIFIED MAIL™ RECEIPT	
(Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage	\$.45
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.75
Postmark Here	
Sent To Penroc Oil Corporation	
Street, Apt. No., or PO Box No. PO Box 2769	
City, State, ZIP+4 Hobbs, NM 88241	
PS Form 3800, August 2006 See Reverse for Instructions	

7011 0470 0001 1514 0103

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For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage	\$.45
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.75
Postmark Here	
Sent To Chisos, LTD & Pure Energy Group, Inc	
Street, Apt. No., or PO Box No. 670 Dona Ana Road SW	
City, State, ZIP+4 Deming, NM 88030	
PS Form 3800, August 2006 See Reverse for Instructions	

7011 0470 0001 1514 0097

U.S. Postal Service™	
CERTIFIED MAIL™ RECEIPT	
(Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage	\$.45
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.75
Postmark Here	
Sent To Exxon Mobil Corporation	
Street, Apt. No., or PO Box No. PO Box 2305	
City, State, ZIP+4 Houston, TX 77252	
PS Form 3800, August 2006 See Reverse for Instructions	

Affidavit of Publication

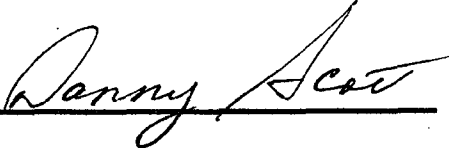
NO.

22154

STATE OF NEW MEXICO

County of Eddy:

Danny Scott



being duly sworn, says that he is the

Publisher

of the Artesia Daily Press, a daily newspaper of general

circulation, published in English at Artesia, said county

and state, and that the hereto attached

Legal Notice

was published in a regular and entire issue of the said

Artesia Daily Press, a daily newspaper duly qualified

for that purpose within the meaning of Chapter 167 of

the 1937 Session Laws of the state of New Mexico for

1 Consecutive weeks/days on the same

day as follows:

First Publication

May 20, 2012

Second Publication

Third Publication

Fourth Publication

Fifth Publication

Subscribed and sworn to before me this

21st day of

May-

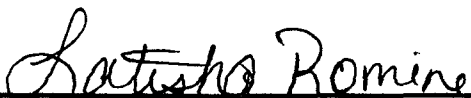
2012



OFFICIAL SEAL
Latisha Romine
NOTARY PUBLIC-STATE OF NEW MEXICO

My commission expires:

5/12/2015



Latisha Romine

Notary Public, Eddy County, New Mexico

Copy of Publication:

LEGAL NOTICE

LRE Operating, LLC, 1111 Bagby Street, Suite 4600, Houston, Texas 77002 has filed a Form C-108 (Application for Authorization to Inject) with the Oil Conservation Division seeking administrative approval to utilize as a produced water disposal well it's proposed Eddy-Humble "4" State SWD #1 to be drilled 2310' FSL & 1650' FEL (Unit J) of Section 4, Township 18 South, Range 28 East, NMPM, Eddy County, New Mexico. The well will be utilized to dispose produced water from various producing formations in the area of the disposal well. Injection will occur into the Abo, Wolfcamp and Cisco formations through the perforated interval from 6,705 feet to 6,805 feet, and the open-hole interval from 6,805 feet to 9,300 feet. The average and maximum injection rates will be 10,000 and 20,000 barrels of water per day, respectively, and the average and maximum surface injection pressure is anticipated to be 1,000 psi and 1,341 psi, respectively.

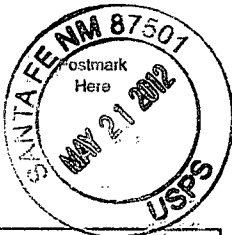
Interested parties must file objections with the New Mexico Oil Conservation Division, 1220 S. St Francis Drive, Santa Fe, New Mexico 87505, within 15 days of the date of this publication.

Additional information can be obtained by contacting David Sibley, Production Engineer, LRE Operating, LLC at (713) 345-2134.

Published in the Artesia Daily Press, Artesia, N.M., May 20, 2012. Legal No 22154.

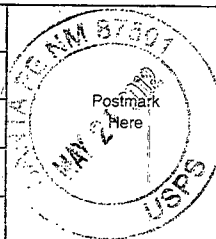
7011 2970 0003 9311 4047

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OFFICIAL USE	
Postage	\$ 1.90
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.20
SDX Resources Inc	
Sent To 507 N. Marienfield St.,	
Street, Apt. No., Suite 100	
or PO Box Midland, TX 79701	
City, State, ZIP+4	
PS Form 3800, August 2006 See Reverse for Instructions	



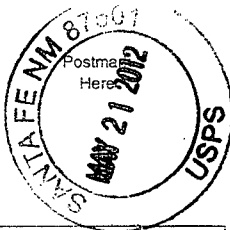
7011 0110 0001 2604 4767

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For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage	\$ 1.90
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.20
Warren Hanson dba	
Hanson Energy	
342 S. Haldeman Road	
City, State, ZIP+4 Artesia, NM 88210	
PS Form 3800, August 2006 See Reverse for Instructions	



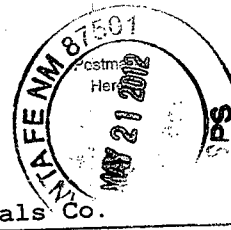
7011 0110 0001 2604 4866

U.S. Postal Service [™]	
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For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage	\$ 1.90
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.20
Mewbourne Oil	
P.O. Box 7698	
Street, Apt. No., or PO Box Tyler, TX 75711	
City, State, ZIP+4	
PS Form 3800, August 2006 See Reverse for Instructions	



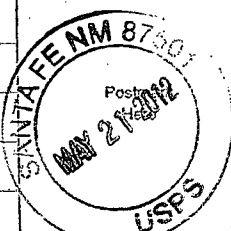
7011 2970 0003 9311 4048

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For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage	\$ 1.90
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.20
Khody Land & Minerals Co.	
Sent To 3817 NW Expressway,	
Suite 950	
Street, Apt. No., or PO Box Oklahoma City, OK 73112	
City, State, ZIP+4	
PS Form 3800, August 2006 See Reverse for Instructions	



7011 0110 0001 2604 4859

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For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage	\$ 1.90
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.20
Melrose Operating Company	
Sent To 20333 State Hwy 249,	
Suite 310	
Street, Apt. No., or PO Box Houston, TX 77070	
City, State, ZIP+4	
PS Form 3800, August 2006 See Reverse for Instructions	



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For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage	\$ 1.90
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.20
Atlantic Richfield Company	
Sent To 1601 Summit Ave	
Street, Apt. No., or PO Box Plano, TX 75074	
City, State, ZIP+4	
PS Form 3800, August 2006 See Reverse for Instructions	



7011 0110 0001 2606 3693

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CERTIFIED MAIL™ RECEIPT	
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For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage	\$ 1.90
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.20
Sent To EGL Resources, Inc.	
Street, Apt. No., or PO Box No. 508 W. Wall Street, Suite 1250	
City, State, ZIP+4 Midland, Texas 79701	
PS Form 3800, August 2006 See Reverse for Instructions	

7011 0110 0001 2606 3690

U.S. Postal Service™	
CERTIFIED MAIL™ RECEIPT	
(Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage	\$ 1.90
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.20
Sent To H & S Oil Company	
Street, Apt. No., or PO Box No. P.O. Box 186	
City, State, ZIP+4 Artesia, NM 88211	
PS Form 3800, August 2006 See Reverse for Instructions	

7011 0110 0001 2606 3676

U.S. Postal Service™	
CERTIFIED MAIL™ RECEIPT	
(Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage	\$ 1.90
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.20
Sent To Commissioner of Public Lands	
Street, Apt. No., or PO Box No. P.O. Box 1148	
City, State, ZIP+4 Santa Fe, New Mexico 87504	
PS Form 3800, August 2006 See Reverse for Instructions	

7011 0110 0001 2606 3645

U.S. Postal Service™	
CERTIFIED MAIL™ RECEIPT	
(Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage	\$ 1.90
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.20
Sent To F&M Oil & Gas Company	
Street, Apt. No., or PO Box No. P.O. Box 891	
City, State, ZIP+4 Midland, TX 79702	
PS Form 3800, August 2006 See Reverse for Instructions	

7011 0110 0001 2604 4675

U.S. Postal Service™	
CERTIFIED MAIL™ RECEIPT	
(Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage	\$ 1.90
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.20
Sent To Manix Energy, LLC	
Street, Apt. No., or PO Box No. 3300 N A St Bldg 8	
City, State, ZIP+4 Midland, TX 79705	
PS Form 3800, August 2006 See Reverse for Instructions	

7011 0110 0001 2604 4682

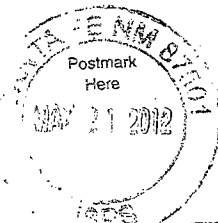
U.S. Postal Service™	
CERTIFIED MAIL™ RECEIPT	
(Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage	\$ 1.90
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.20
Sent To Mission Resources Inc.	
Street, Apt. No., or PO Box No. 1100 La St Ste 4400	
City, State, ZIP+4 Houston, TX 77002	
PS Form 3800, August 2006 See Reverse for Instructions	

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
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For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$ 1.90
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.20



Sent To **Finwing Corporation**

Street, Apt. No.,
or PO Box No. **P.O. Box 10886**
City, State, ZIP+4 **Midland, TX 79702**

PS Form 3800, August 2006

See Reverse for Instructions

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
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For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$ 1.90
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.20



Sent To **Nadel & Gussman Permian LLC**

Street, Apt. No.,
or PO Box No. **601 N. Marienfeld, Suite 508**
City, State, ZIP+4 **Midland, Texas 79701**

PS Form 3800, August 2006

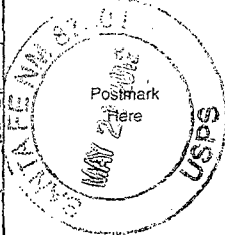
See Reverse for Instructions

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$ 1.90
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.20



Sent To **Alamo Resources II**
820 Gessner Rd, Suite 1650
Street, Apt. No.,
or PO Box No. **Houston, TX 77024**
City, State, ZIP+4

PS Form 3800, August 2006

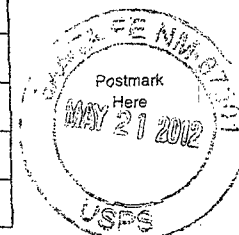
See Reverse for Instructions

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$ 1.90
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.20



Sent To **COG Operating, LLC**
550 W Texas Ave., Suite 100
Street, Apt. No.,
or PO Box No. **Midland, TX 79701**
City, State, ZIP+4

PS Form 3800, August 2006

See Reverse for Instructions

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$ 1.90
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.20



Sent To **Arrowhead Operating, Inc**
2610 Camarie
Street, Apt. No.,
or PO Box No. **Midland, TX 79705**
City, State, ZIP+4

PS Form 3800, August 2006

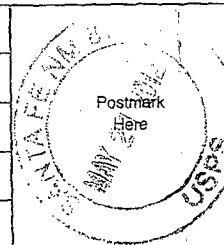
See Reverse for Instructions

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$ 1.90
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.20



Sent To **Rainbow Energy Corporation**
2610 Camarie
Street, Apt. No.,
or PO Box No. **Midland, TX 79705**
City, State, ZIP+4

PS Form 3800, August 2006

See Reverse for Instructions

7011 0110 0001 2604 4705

U.S. Postal Service™	
CERTIFIED MAIL™ RECEIPT	
(Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage	\$ 1.90
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.20

Sent To **Arch Petroleum Inc**
777 Taylor St. Suite IIA
 Street, Apt. No. or PO Box No. **Fort Worth, TX 76102**
 City, State, ZIP+4

PS Form 3800, August 2006 See Reverse for Instructions

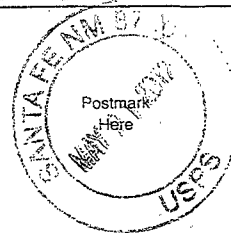


7011 0110 0001 2604 4712

U.S. Postal Service™	
CERTIFIED MAIL™ RECEIPT	
(Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage	\$ 1.90
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.20

Sent To **Plains Petroleum Operating Co.**
415 W. Wall St. Suite 2110
 Street, Apt. No. or PO Box No. **Midland, TX 79701**
 City, State, ZIP+4

PS Form 3800, August 2006 See Reverse for Instructions



7011 0110 0001 2604 4699

U.S. Postal Service™	
CERTIFIED MAIL™ RECEIPT	
(Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage	\$ 1.90
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.20

Sent To **Edge Petroleum Exploration Co.**
1301 Travis St. Ste 2000
 Street, Apt. No. or PO Box No. **Houston, TX 77002**
 City, State, ZIP+4

PS Form 3800, August 2006 See Reverse for Instructions

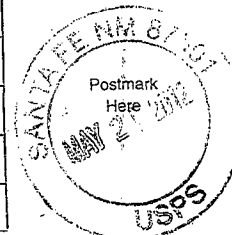


7011 0110 0001 2604 4774

U.S. Postal Service™	
CERTIFIED MAIL™ RECEIPT	
(Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage	\$ 1.90
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.20

Sent To **Marbob Energy Corporation**
P.O. Drawer 217
 Street, Apt. No. or PO Box No. **Artesia, NM 88210**
 City, State, ZIP+4

PS Form 3800, August 2006 See Reverse for Instructions

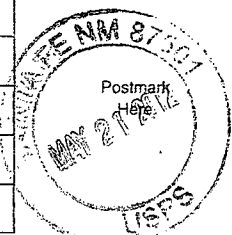


7011 0110 0001 2604 4761

U.S. Postal Service™	
CERTIFIED MAIL™ RECEIPT	
(Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage	\$ 1.90
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.20

Sent To **Mack Energy Corporation**
P.O. Box 960
 Street, Apt. No. or PO Box No. **Artesia, NM 88210**
 City, State, ZIP+4

PS Form 3800, August 2006 See Reverse for Instructions

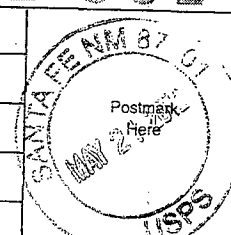


7011 0110 0001 2604 4798

U.S. Postal Service™	
CERTIFIED MAIL™ RECEIPT	
(Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage	\$ 1.90
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.20

Sent To **Tom L Ingram**
P.O. Box 1757
 Street, Apt. No. or PO Box No. **Roswell, NM 88201**
 City, State, ZIP+4

PS Form 3800, August 2006 See Reverse for Instructions

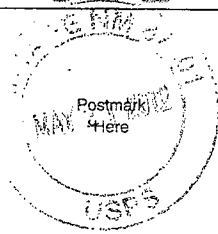


7011 0110 0001 2604 4804

U.S. Postal Service™	
CERTIFIED MAIL™ RECEIPT	
(Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage	\$ 1.90
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.20

Sent To **B&W Oil Company, Inc**
R-252 N. Haldeman Rd
 Street, Apt. No. or PO Box No. **Artesia, NM 88210**
 City, State, ZIP+4

PS Form 3800, August 2006 See Reverse for Instructions

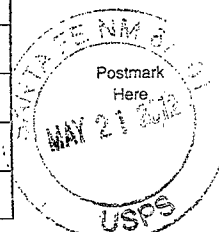


7011 0110 0001 2604 4811

U.S. Postal Service™	
CERTIFIED MAIL™ RECEIPT	
(Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage	\$ 1.90
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.20

Sent To **Graridge Corporation**
P.O. Box 752
 Street, Apt. No. or PO Box No. **Breckenridge, TX 76424**
 City, State, ZIP+4

PS Form 3800, August 2006 See Reverse for Instructions



7011 0110 0001 2604 4828

U.S. Postal Service™	
CERTIFIED MAIL™ RECEIPT	
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For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage	\$ 1.90
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.20

Sent To **American Petrofina Company**
P.O. Box 1311
 Street, Apt. No. or PO Box No. **Big Spring, TX 79720**
 City, State, ZIP+4

PS Form 3800, August 2006 See Reverse for Instructions



7011 0110 0001 2604 4835

U.S. Postal Service™	
CERTIFIED MAIL™ RECEIPT	
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For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage	\$ 1.90
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.20

Sent To **Doral Energy Corporation**
415 W. Wall St., Suite 500
 Street, Apt. No. or PO Box No. **Midland, TX 79701**
 City, State, ZIP+4

PS Form 3800, August 2006 See Reverse for Instructions

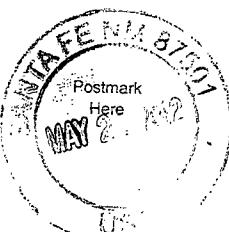


7011 0110 0001 2604 4842

U.S. Postal Service™	
CERTIFIED MAIL™ RECEIPT	
(Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage	\$ 1.90
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.20

Sent To **Nearburg Producing Company**
3300 North A St., Suite 8100
 Street, Apt. No. or PO Box No. **Midland, TX 79705**
 City, State, ZIP+4

PS Form 3800, August 2006 See Reverse for Instructions



7011 0110 0001 2604 4880

U.S. Postal Service™	
CERTIFIED MAIL™ RECEIPT	
(Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage	\$ 1.90
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.20

Sent To **Alamo Permian Resources, LLC**
415 W Wall Street # 500
 Street, Apt. No. or PO Box No. **Midland, TX 79701**
 City, State, ZIP+4

PS Form 3800, August 2006 See Reverse for Instructions



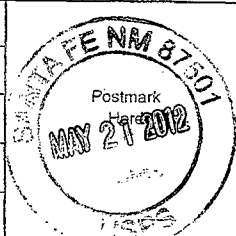
7011 0110 0001 2604 4873

U.S. Postal Service[™]
CERTIFIED MAIL[™] RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$ 1.90
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.20



Sent To **Sandlott Energy**
 P.O. Box 711
 Lovington, NM 88260
 City, State, ZIP+4
 PS Form 3800, August 2006 See Reverse for Instructions

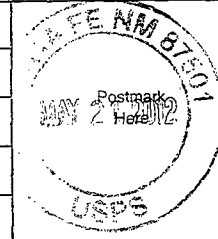
7011 0110 0001 2604 4897

U.S. Postal Service[™]
CERTIFIED MAIL[™] RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$ 1.90
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.20



Sent To **DeKalb Energy Company**
 14000 Quail Springs Pkwy,
 Suite 600
 Oklahoma City, OK 73134
 City, State, ZIP+4
 PS Form 3800, August 2006 See Reverse for Instructions

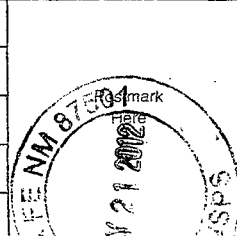
7011 0110 0001 2604 4903

U.S. Postal Service[™]
CERTIFIED MAIL[™] RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$ 1.90
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.20



Sent To **Exxon Mobil Corporation**
 P.O. Box 2305
 Houston, TX 77252
 City, State, ZIP+4
 PS Form 3800, August 2006 See Reverse for Instructions

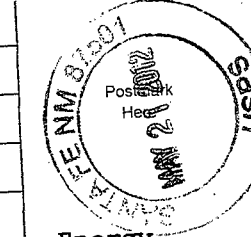
7011 0110 0001 2604 4910

U.S. Postal Service[™]
CERTIFIED MAIL[™] RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$ 1.90
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.20



Sent To **Chisos, LTD & Pure Energy**
 Group, Inc.
 670 Dona Ana Road SW
 Deming, NM 88030
 City, State, ZIP+4
 PS Form 3800, August 2006 See Reverse for Instructions

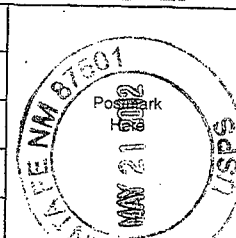
7011 0110 0001 2604 4927

U.S. Postal Service[™]
CERTIFIED MAIL[™] RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$ 1.90
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.20



Sent To **Penroec Oil Corporation**
 P.O. Box 2769
 Hobbs, NM 88241
 City, State, ZIP+4
 PS Form 3800, August 2006 See Reverse for Instructions

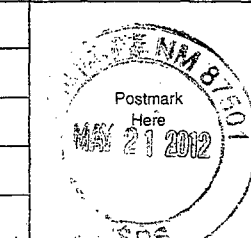
7011 0110 0001 2604 4934

U.S. Postal Service[™]
CERTIFIED MAIL[™] RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$ 1.90
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.20



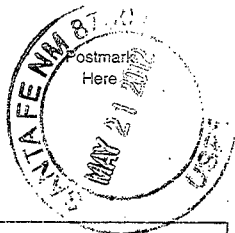
Sent To **Chase Oil Corporation**
 P.O. Box 1767
 Artesia, NM 88211
 City, State, ZIP+4
 PS Form 3800, August 2006 See Reverse for Instructions

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$ 1.90
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.20



Sent To **Bogle LTD Company**
P.O. Box 460
Street, Apt. No.,
or PO Box No. **Dexter, NM 88231**
City, State, ZIP+4

PS Form 3800, August 2006

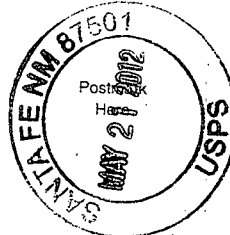
See Reverse for Instructions

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$ 1.90
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.20



Sent To **Apache Corporation**
303 Veterans Airpark Lane,
Street, Apt. No.,
or PO Box No. **Suite 3000**
Midland, TX 79705
City, State, ZIP+4

PS Form 3800, August 2006

See Reverse for Instructions

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
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For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$ 1.90
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.20



Sent To **Black Diamond Resources, LLC**
Quantum Resource Mgmt. LLC
Street, Apt. No.,
or PO Box No. **ORE Operating, LLC**
PAC Carried WI, LP
City, State, ZIP+4 **1401 McKinney St., Suite 2400**
Houston, TX 77010

PS Form 3800, August 2006

See Reverse for Instructions

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$ 1.90
Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.20



Sent To **Oxy USA, Inc.**
P.O. Box 4294
Street, Apt. No.,
or PO Box No. **Houston, TX 77210**
City, State, ZIP+4

PS Form 3800, August 2006

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Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.20



Sent To **BP America Production Company**
Amoco Production Company
Street, Apt. No.,
or PO Box No. **P.O. Box 3092**
Houston, TX 77253
City, State, ZIP+4

PS Form 3800, August 2006

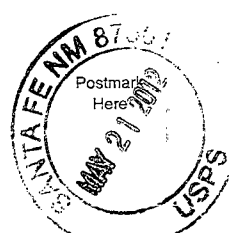
See Reverse for Instructions

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Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.20



Sent To **Marathon Oil Company**
P.O. Box 552
Street, Apt. No.,
or PO Box No. **Midland, TX 79702**
City, State, ZIP+4

PS Form 3800, August 2006

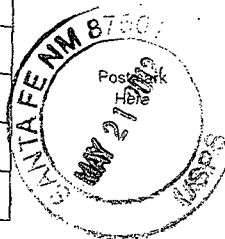
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7011 0110 0001 2604 4101

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Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.70

Sent To **S. A. Lanning**
1102 Hermosa Dr.
 Street, Apt. No. or PO Box No. **Artesia, NM 88210**
 City, State, ZIP+4

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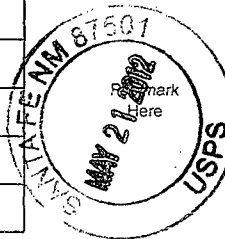


7011 0110 0001 2604 5009

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Certified Fee	2.95
Return Receipt Fee (Endorsement Required)	2.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.70

Sent To **Yates Petroleum Corporation**
105 S Fourth Street
 Street, Apt. No. or PO Box No. **Artesia, NM 88210**
 City, State, ZIP+4

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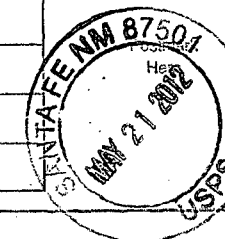


7011 2970 0003 9311 4000

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Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.70

Sent To **Roy L Burrow**
P.O. Box 706
 Street, Apt. No. or PO Box No. **Roswell, NM 88201**
 City, State, ZIP+4

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HOLLAND & HART^{LLP}



Adam G. Rankin
Phone 505-954-7294
Fax 505-983-6043
agrarkin@hollandhart.com

June 13, 2012

VIA HAND DELIVERY

Jami Bailey, Director
Oil Conservation Division
New Mexico Department of Energy
Minerals and Natural Resources
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

2012 JUN 13 PM 4:09
RECEIVED OGD

Re: Application of LRE Operating, LLC for a Salt Water Disposal Well, Eddy County, New Mexico.

Dear Ms. Bailey:

Yates Petroleum Corp. hereby objects to the above-referenced application filed by LRE Operating, LLC seeking authorization to dispose of salt water by injection into the Eddy-Humble 4 State SWD No. 1 well, located 2319 feet from the South line and 1650 feet from the East line of Section 4, Township 18 South, Range 28 East, NMPM, Eddy County, New Mexico.

Pursuant to Division Rule 19.15.26.8, this application must be set for hearing before a Division Examiner in order to be further considered, as Yates Petroleum Corp. has timely objected to this application. Your attention to this matter is appreciated.

Sincerely,

Adam G. Rankin

cc: Ernest Padilla
Padilla Law Firm, P.A.
P.O. Box 2523
Santa Fe, NM 87504-2523

Chuck Moran, Yates Petroleum Corp.

Holland & Hart LLP

Phone [505] 988-4421 Fax [505] 983-6043 www.hollandhart.com

110 North Guadalupe Suite 1 Santa Fe, NM 87501 Mailing Address P.O. Box 2208 Santa Fe, NM 87504-2208

Aspen Billings Boise Boulder Cheyenne Colorado Springs Denver Denver Tech Center Jackson Hole Salt Lake City Santa Fe Washington, D.C. ♻️

Injection Permit Checklist (11/15/2010)

WFX _____ PMX _____ SWD 1345 Permit Date 7/25/12 UIC Qt (J/A/S)

Wells 1 Well Name(s): EDDY-HUMBLE "4" STATE SWD #1

API Num: 30-015-NA Spud Date: Not Yet New/Old: N (UIC primacy March 7, 1982)

Footages 2310 FSL/1650 FEL Unit J Sec 4 Tsp 18S Rge 28E County EDDY

General Location: _____

Operator: LRE Operating, LLC Contact DAVID SIBLEY

OGRID: 281994 RULE 5.9 Compliance (Wells) 3/6/99 (Finan Assur) OK IS 5.9 OK? OK

Well File Reviewed _____ Current Status: Not Permitted Yet

Planned Work to Well: _____

Diagrams: Before Conversion _____ After Conversion ✓ Elogs in Imaging File: Not Done

Well Details:	Sizes		Setting Depths	Stage Tool	Cement Sx or Cf	Determination Method
	Hole.....	Pipe				
New <u>✓</u> Existing _____ Surface	17 1/2	13 3/8	250'	—	2805X	Swf
New <u>✓</u> Existing _____ Interm	12 1/4	9 5/8	2500'		8455X	Swf
New <u>✓</u> Existing _____ LongSt	8 3/4	7"	6500 6700'		6805X	2800'
New <u>✓</u> Existing _____ Liner	6 1/2	4 1/2	6580-9000'		3405X	CIRC
New <u>✓</u> Existing _____ OpenHole			6500 7500'			

Depths/Formations: _____

	Depths, Ft.	Formation	Tops?
Formation(s) Above	5750 6805	A-B-C W.C.	<u>✓</u>
Injection TOP:	6705	A-B-C/W.C.	Max. PSI <u>1341</u> OpenHole <u>✓</u> Perfs <u>✓</u>
Injection BOTTOM:	6805 7000'	CISCO	Tubing Size <u>4 1/2</u> Packer Depth <u>6580'</u>
Formation(s) Below	8150 9555'	CISCO STRATA	<u>✓</u> P.B.R.

Capitan Reef? _____ (Potash? _____) Noticed? _____ WIPP? _____ Noticed? _____ Salado Top/Bot _____ Cliff House? _____

Fresh Water: Depths: 2150' Formation _____ Wells? None Analysis? _____ Affirmative Statement ✓

Disposal Fluid Analysis? Sources: GLOR/SA/GBG/ON/Yes "From area wells"

Disposal Interval: Analysis? _____ Production Potential/Testing: _____

Notice: Newspaper Date 5/20/12 Surface Owner S.L.O. Mineral Owner(s) _____

RULE 26.7(A) Affected Persons: Many - See applica (5/21/12)

AOR: Maps? ✓ Well List? ✓ Producing in Interval? No Wellbore Diagrams? ATOKA

.....Active Wells 1 Repairs? 0 Which Wells? 30-015-29688 Enyue (Perm) Co HILL Country/Memco Co

.....P&A Wells 0 Repairs? _____ Which Wells? Marbourn

Issues: MUDLOG ? Test emp. CISO Request Sent _____ Reply: _____