DATE IN	SUSPENSE	ENGINEER	LOGGED IN	TYPE	APP NO.

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION



		1220 South St. Francis Drive, Santa Fe, NM 87505	
		ADMINISTRATIVE APPLICATION CHECK	LIST
		ANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE	ON RULES AND REGULATIONS
Applic	[DHC-Down [PC-Po	dard Location] [NSP-Non-Standard Proration Unit] [SD-Simultar	ase Commingling] feasurement] ansion] e]
[1]	TYPE OF AP [A]	PLICATION - Check Those Which Apply for [A] Location - Spacing Unit - Simultaneous Dedication	RECEIVED
		□ NSL □ NSP □ SD	NOV 1 7 2005
	Check [B]	One Only for [B] or [C] Commingling - Storage - Measurement DHC CTB PLC PC OLS O	CCU-ARTESIA LM
	[C]	Injection - Disposal - Pressure Increase - Enhanced Oil Recovery WFX PMX SWD IPI EOR P	PPR
	[D]	Other: Specify	_
[2]	NOTIFICATI [A]	ION REQUIRED TO: - Check Those Which Apply, or Does Not Working, Royalty or Overriding Royalty Interest Owners	t Apply
	[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 A	ttached, and/or,
	[F]	☐ Waivers are Attached	
[3]		CURATE AND COMPLETE INFORMATION REQUIRED TO ATION INDICATED ABOVE.	PROCESS THE TYPE
	al is accurate a	FION: I hereby certify that the information submitted with this applied complete to the best of my knowledge. I also understand that no quired information and notifications are submitted to the Division.	

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

David Stewart	Do. Stat	SR. Reg. Analyst	1416105
Print or Type Name	Signature	Title	Date
Accepted for record NMOCD		e-mail Address	, com

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, New Mexico 87505 RECEIVED

FORM C-108 Revised June 10, 2003

NOV 1 7 2005

APPLICATION FOR AUTHORIZATION TO INJECTO: AAT SIA

I.	PURPOSE: Secondary Recovery Pressure Maintenance X Disposal Storage Application qualifies for administrative approval? Yes No
11.	OPERATOR: OXY USA WTP Limited Partnership - 192463
	ADDRESS: P.O. Box 50250 Midland, TX 79710-0250
	CONTACT PARTY:PHONE: 432-685-5717
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:
	 Proposed average and maximum daily rate and volume of fluids to be injected; Whether the system is open or closed; Proposed average and maximum injection pressure; Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and, If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
*VIII	. Attach appropriate 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 Stewart TITLE: Sr. Regulatory Analyst
	NAME: David Stewart SIGNATURE: DATE: U(1605
*	E-MAIL ADDRESS:david_stewart@oxy.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:

В.

III. WELL DATA

200

Charles Care

- 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.

- 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.

INJECTION WELL DATA SHEET

OPERATOR:	OXY USA WTP Limited Part	Partnership - 192463			
WELL NAME & NUMBER:	BER: Righthand Canyon 35 Federal	ral #7			
WELL LOCATION:	1975 FSL 2405 FWL	K (NESW)	35	218	24E
	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE
WELLB	WELLBORE SCHEMATIC		WELL CO	WELL CONSTRUCTION DATA	
OXY USA WTP LP Righthand Canyon 36 Federal 97 1975 FSL 2406 FWL K(NESW) 35-219-248	,		Surface Casing	asing	. '
API NO. 30-019-		Hole Size:	17-1/2"	Casing Size: 13-3/8" @	8" @ 1700'
	w/1000ax-TOC-Surf-Circ	Cemented with:	1000 sx.	or	ft ³
		Top of Cement:	Surface	Method Determined: Circulated	Circulated
			Intermediate Casing	Casing	
		Hole Size:		Casing Size:	
		Cemented with:	SX.	or	ft.3
		Top of Cement:		Method Determined:	
			Production Casing	Casing	
		Hole Size: 12-	12-1/4"	Casing Size: 8-5/8" @	" @ 11000'
		Cemented with:	1400 sx.	or	ft ³
		Top of Cement: +/-	-69001	Method Determined: Temp Svy	Temp Svy
		Total Depth: 12	2100'		
	12-1/4" hole @ 11000' 8-58" csg @ 11000' w/1400sx-TOC-8800"-Csic		Injection Ir	Injection Interval - Open Hole	
7" FJ Tubing @ 10900" 7" PC Beker Lok-Set @ 10900"		11000	feet	to 12100'	

7-7/8" hole @ 11000-12100"

(Rectorated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

'n	4.	က	2.		÷		Othe	Pack	Тур	Tubi
Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: Morrow-9700' Cisco/Canyon - 7900'	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. No	Name of Field or Pool (if applicable): SWD; Devonian - 96101	Name of the Injection Formation: Devonian	If no, for what purpose was the well originally drilled?	Is this a new well drilled for injection?XYesNo	Additional Data	Other Type of Tubing/Casing Seal (if applicable): N/A	Packer Setting Depth: 10900'	Type of Packer: Plastic coated Baker Lok-Set	Tubing Size: 7" flush joint Lining Material: plastic coating

ATTACHMENT C-108
OXY USA WTP LP
Righthand Canyon 35 Federal #7
Sec 35 T218 R24E

- V. See Attachment A
- VI. No wells within the ½ mile Area of Review penetrate the proposed Devonian disposal interval. See Attachment B
- VII. Proposed Operations
 - 1. Injection Rate Average-30000BWPD Maximum-40000BWPD
 - 2. Closed System
 - 3. Injection Pressure Average-1500psi Maximum-2200psi
 - 4. See Attachment C for copy of Cisco/Canyon Water Analysis
 - 5. See Attachment D for copy of Devonian Water Analysis

VIII. Injection Zone

The proposed disposal interval consists of fractured, vuggy dolomite with 3-14% porosity. The gross depth interval is +/- 1000' at a depth of 11070' MD, 7125' TVDSS. There are no prospective commercial oil or gas bearing zones within this interval in this borehole or in any boreholes within a % mile radius of this proposed well. Specifically, the proposed intervals for disposal are as follows:

Devonian: 11070 - 12100' MD +/-1000' 7125-8155' TVDSS

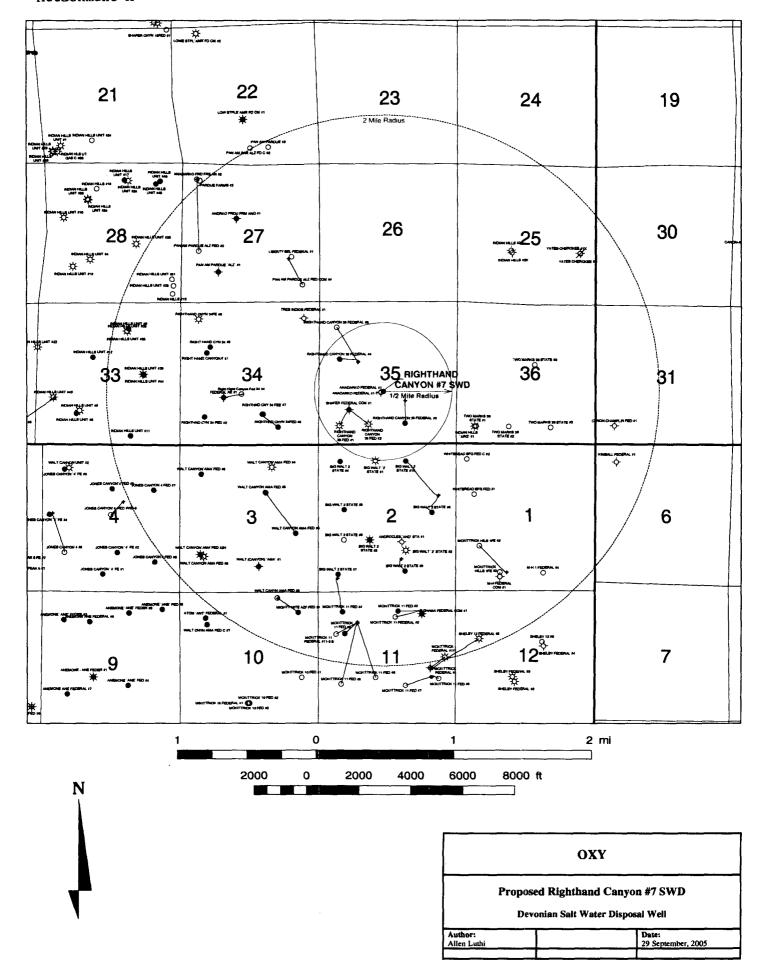
Fresh Water Zones

The base of near surface aquifer is estimated to be approximately 650' in the Grayburg formation. No freshwater zones exist at or below the proposed disposal interval.

- IX. 30000 gallons acid
- X. Not available, this well has not been drilled yet and will not be drilled until this application is approved.
- XI. No fresh water wells within one mile of the proposed location. The nearest fresh water well is located 1.4 miles northeast of the proposed location.
- XII. I 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.

Allen Luthi - Staff Geologist

XIII. See attached for service list. A copy of this application has been sent certified mail, return receipt requested, to all parties on the service list. The legal advertisement has been requested and proof of publication will be forwarded as soon as it is received.



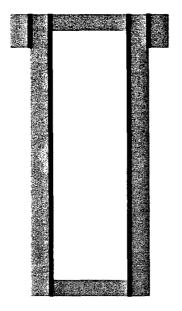
C-108 - ATTACHMENT B
RIGHTHAND CANYON 35 FED #6
AREA OF REVIEW

		WELL			DATE		 			API NO.
OPERATOR	LEASE	No.	PLAT	LOCATION	DRILLED	ŧ	PERFS	CASING-CEMENT	STATOS	30-015
*William Barnhill	Anadarko Fd	٦	ם	1980S 2310W	1/26/79	190'			J&A	22774
				35-21-24						
*Harvey Yates Co.	Anadarko Fd	14	2	1960S 2310W	3/14/79	7994'	7928-7990'	13-3/8"@ 180'w/180sx	D&A	22881
				35-21-24				8-5/8"@ 2600'w/1200sx		
								4-1/2"@ 7994'w/350sx		
*OXY USA WIP LP	Big Walt 2 St	1	3	660N 2130W	7/1/79	7975	7902-7914	13-3/8"@ 200'w/250sx-TOC-Surf-Circ	TA	22947
				2-22-24	8/27/93			8-5/8"@ 1600'w/950sx-TOC-Surf-Circ		
								4-1/2"@ 7994'w/300sx-TOC-6243'-Calc		
*OXY USA WTP LP	Righthand	1	4	SL-1328S 1160W	6/21/89	8500'	7834-7860'	13-3/8"@ 367'w/400sx-TOC-Surf-Circ	Act	26126
	Canyon 35 Fee			BHL-737S 747W	8/6/03			9-5/8"@ 2469'w/1000sx-TOC-Surf-Circ		
				35-21-24				7"@ 8504'w/590sx-TOC-4579'-Calc		
*OXY USA WTP LP	Righthand	2	5	SL-1347S 1177W	10/21/03	8592	7894-8043	9-5/8"@ 1620'w/500sx-TOC-Surf-Circ	Act	32827
	Canyon 35 Fee			BHL-660S 1980W				7"@ 8592'w/550sx-TOC-4933'-Calc		
				35-21-24						
*OXY USA WTP LP	Righthand	3	6	SL-1650S 1980E	3/2/04	8684	8030-8088'	9-5/8"@ 1595'w/1150sx-TOC-Surf-Circ	Act	33217
	Canyon 35 Fd			BHL-912S 1987E				7"@ 8684'w/1510sx-TOC-Surf-Circ		
				35-21-24						
*OXY USA WTP LP	Righthand	4	7	SL-2310N 1475W	3/29/04	8523 '	7837-8050'	9-5/8"@ 1590'w/1150sx-TOC-Surf-Circ	Act	33290
	Canyon 35 Fd			BHL-2222N 780W				7"@ 8518'w/1600sx-TOC-Surf-Circ		
				35-21-24						
+ WELL BODE LOSE NOW	TANGER NOT THE PROPOSED INTERMEDIAL	ייייייייייייייייייייייייייייייייייייייי	LALIEUMI	ON THEFFUAL						

^{*} WELLBORE DOES NOT PENETRATE PROPOSED INJECTION INTERVAL

Harvey Yates Co. Anadarko Federal #1y API No. 30-015-22881 P&A - 11/15/79

25sx @ Surface



17-1/2" hole @ 180' 13-3/8" csg @ 180' w/180sx-TOC-Surf-Circ

35sx @ 2568-2468'

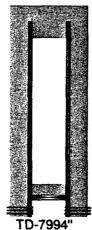
358X @ 2568-2468

12-1/4" hole @ 2600' 8-5/8" csg @ 2600' w/1200sx-TOC-Surf-Circ

35sx @ 3716-3616'

35sx @ 4900-4800'

55sx @ 6375-6225'



Cut & Pull 4-1/2" csg @ 6300'

7-7/8" hole @ 7994" 4-1/2" csg @ 7994" w/350sx-TOC-6300'-Calc

Dev Perfs @ 7928-7990'

CIBP @ 7800' w/ 35' cmt

PM011145

BJ SERVICES COMPANY WATER ANALYSIS #FW01W145

Well File

ARTESIA. NM LAB

TZZS RZYE

GENERAL INFORMATION

NEARBURG PRODUCING BIG WALT 2 ST. #3 OPERATOR: WELL:

FIBLD:

SUBMITTED BY: MATT LEE WORKED BY : JAIME LOPEZ PHONE NUMBER: FAX \$748-1125

DEPTH: 8100+/-DATE SAMPLED: 01/21/97 DATE RECEIVED:01/21/97

STATE: NM

COUNTY: EDDY ST. FORMATION: CC. (CISCO-Caryor)

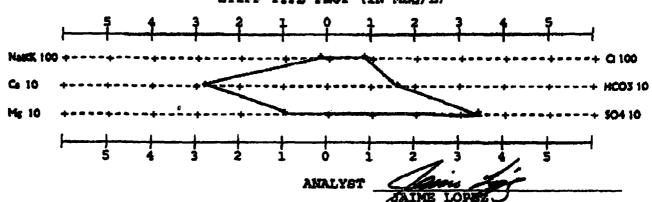
SAMPLE DESCRIPTION

PHYSICAL AND CHEMICAL DETERMINATIONS

SPECIFIC GRAVITY:
RESISTIVITY (CALCULATED):
IRON (FE++): 1 pr
CALCIUM: 566 pr
MAGNESIUM: 116 pr 1.005 9 74°F PH: 7.07 75°F 0.735 obms @ 1.592 ppm 1.892 ppm 935 ppm 4.093 ppm 7,152 ppm 1 ppm 566 ppm 116 ppm 2,488 ppm 245 ppm SULFATE: TOTAL HARDNESS BICARBONATE: SODIUM CHLORIDE (Calc) TOT. DISSOLVED SOLIDS: POTASSIUM CHLORIDE: CHLORIDE: SODIUM+POTASS: IODINE:

REMARKS

STIFF TYPE PLOT (IN MEO/L)





Water Analysis

Devonion - Sec 14. Taas Ra4E

Date: 06-Jan-04

2703 West County Road, Hobbs NM 88249 Phone (505) 392-5556 Fax (505) 392-7307

30-015-21010

Analyzed For

Scaling Tendencies

Nearburg Production	McKittric	* 14 Fed S	WD 1	Eddy	New Mexico
Sample Source	Swab Sar	mpte	Sample #		
Formation			Depth	11,	500
Specific Gravity	1.004		SG	@ 60 ' F	1.006
Hq	6.95			Sulfides	
Temperature (°F)	68		Reducing) Agents	
Cations					
Sodium (Calc)		in Mg/L	5,491	in PPM	5,461
Calcium		in Mg/L	1,200	in PPM	1,193
Magnesium		in Mg/L	384	in PPM	382
Soluable Iron (FE2)		in Mg/L	500.0	in PPM	497
Anions			· · · · · · · · · · · · · · · · · · ·		
Chlorides		in Mg/L	12,000	in PPM	11,933
Sulfates		in Mg/L	400	in PPM	398
Bicarbonates		in Mg/L	24	in PPM	24
Total Hardness (as CaC	03)	in Mg/L	4,600	in PPM	4,574
Total Dissolved Solids (C	aic)	in Mg/L	20,000	in PPM	19,888
Equivalent NaCl Concent	ration	in Mg/L	19,497	in PPM	19,388

Attachment C-108 - Service List OXY USA WTP LP Righthand Canyon 35 Federal #7 Sec 35 T218 R34

New Mexico Oil Conservation Division 1301 W. Grand Ave. Artesia, NM 88210

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

Offset Operators Within 1/2 Mile:

OXY USA WTP LP P.O. Box 50250 Midland, TX 79710-0250

Surface Owner:

United States Department of the Interior Bureau of Land Management Roswell District Office 2909 West Second Street Roswell, New Mexico 88201

Surface Lessee:

Stacey Biebelle 646 Queen Route Carlsbad, NM 88220.

Affidavit of Publication

State of New México, County of Eddy, ss.

Dawn Higgins, being first duly sworn, on oath says:

That she is Business Manager of the Carlsbad Current-Argus, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the State wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof on the date as follows, to wit:

	November 4 2005	,
	2005	•
マ ・ 八 の ・ ・ ・	2005	
	2005	
i	[Page 48] 66 전 1일 경기 기업 전 전 경기 대표 기업 기교 대표를 하고 있다. 19 전 대표를 하고 있다.	•

That the cost of publication is \$36.29 and that payment thereof has been made and will be assessed as court costs.

Subscribed and sworn to before me this

awn biggm

4 day of Volumber 2005

My commission Expires on 12-13-65

Notary Public

November 4, 2005

NOTICE OF APPLICATION FOR FLUID DISPOS-AI

Applicanti
OXY USA WTP
Limited Partnership
P.O. Box 50250
Midland, TX 797100250
432-685-5717
ATTN: David Stewart

Purpose-Well:
Disposal of produced water into a zone not productive of oil and gas. Righthand Carryon 35 Federal #7:
1975 FSL 2405 FWL
(K) Sec 35 T215 R34E
Eddy County

Formation:
Name- Devonion
Interval=11000-12100'
Maximum Injection
Rate-40000 BWPD
Maximum Injection
Pressure=2200psi

Interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr. Santo Fe. New Mexico 87505, within 15 days of this jedpund aug up 500Z

Satisfied

STATE OF NEW MEXICO ENERGY & MINERALS DEPARTMENT OIL CONSERVATION DIVISION 1220 SOUTH ST. FRANCIS DR. SANTA FE, NM 87505 7002 2410 0000 0033 9395 2000年1月1日 1月1日 - 1月1日 STATE OF NEW MEXICO ENERGY & MINERALS DEPARTMENT OIL CONSERVATION DIVISION 1301 W. GRAND AVE. ARTESIA, NM 88210 7002 2410 0000 0033 9401 UNITED INTERIOR UNITED STATES DEPT OF BUREAU OF LAND MANAGEMENT 2909 WEST SECOND STREET ROSWELL, NM 88201 7002 2410 0000 0033 9418 1 444 ZZ GGQ 7002 2410 0000 0033 9425