12/11/2013

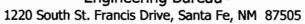
500

PMAM 133456

ABOVE THIS LINE FOR DIVISION USE ONLY

### NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -





		ADMINISTRATIVE A	PPLICATION CHECKLIS	ST
	THIS CHECKLIST IS M		PPLICATIONS FOR EXCEPTIONS TO DIVISION F	RULES AND REGULATIONS
Appi	[DHC-Down	s: Indard Location] [NSP-Non-Stand Inhole Commingling] [CTB-Lea Indicated the color of the color	dard Proration Unit] [SD-Simultaneouse Commingling] [PLC-Pool/Lease ease Storage] [OLM-Off-Lease Mea: [PMX-Pressure Maintenance Expansi [IPI-Injection Pressure Increase] ertification] [PPR-Positive Production	Commingling] surement] ion]
[1]	TYPE OF AP [A]	PLICATION - Check Those Wh Location - Spacing Unit - Simu NSL NSP SD		RKI EXPL
	Check [B]	One Only for [B] or [C]  Commingling - Storage - Meass  DHC CTB PL	urement C PC OLS OLM	API# 30-015-Pen
	[C]		Increase - Enhanced Oil Recovery  VD	
	[D]	Other: Specify		
[2]	NOTIFICATI [A]	ON REQUIRED TO: - Check To Working, Royalty or Overr	Those Which Apply, or □ Does Not A riding Royalty Interest Owners	pply
	[B]	Offset Operators, Leasehol	ders or Surface Owner	
	[C]	Application is One Which	Requires Published Legal Notice	
	[D]	Notification and/or Concur U.S. Bureau of Land Management - Com	rrent Approval by BLM or SLO imissioner of Public Lands, State Land Office	
	[E]	For all of the above, Proof	of Notification or Publication is Attach	ned, and/or,
	[F]	☐ Waivers are Attached		
[3]		CURATE AND COMPLETE IS ATION INDICATED ABOVE.	NFORMATION REQUIRED TO PI	ROCESS THE TYPE
	oval is <mark>accurate</mark> a		nformation submitted with this applicate owledge. I also understand that <b>no act</b> ons are submitted to the Division.	
	Note:	Statement must be completed by an in	ndividual with managerial and/or supervisory	capacity.
	d Catanach or Type Name	Signature Signature	Agent-RKI Explora	tion & Production, LLC
	->[>-	12/9/13 Date	drcatanach@netscape. E-Mail Address	com

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

RKI Exploration & Production, LLC

LVP SWD No. 1

API No. (Not Yet Assigned) 2100' FSL & 385' FEL, (Unit I) Section 4, T-23S, R-28E, NMPM, Eddy County, New Mexico

Dear Ms. Bailey,

Enclosed please find a Division Form C-108 (Application for Authorization to Inject) for the RKI Exploration & Production, LLC ("RKI") LVP SWD No. 1. RKI proposes to drill and utilize this well as a produced water disposal well, injection to occur into the Delaware formation through the perforated interval from approximately 3,400 feet to 4,650 feet. Produced water from the Delaware and Bone Spring formations originating from RKI operated wells in this area will be injected into the well.

I believe that all the information necessary to approve the application is enclosed. If additional information is needed, please contact me at (505) 690-9453.

Sincerely,

David Catanach-Agent

RKI Exploration & Production, LLC

210 Park Avenue, Suite 900

Oklahoma City, Oklahoma 73102

Xc: OCD-Artesia

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

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

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: RKI Exploration & Production, LLC (246289)
	ADDRESS: 210 Park Avenue, Suite 900 Oklahoma City, Oklahoma 73102
	CONTACT PARTY: David Catanach-Agent PHONE: (505) 690-9453
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:
	<ol> <li>Proposed average and maximum daily rate and volume of fluids to be injected;</li> <li>Whether the system is open or closed;</li> <li>Proposed average and maximum injection pressure;</li> <li>Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,</li> <li>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.).</li> </ol>
*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 Catanach TITLE: Agent-RKI Exploration & Production, LLC
	SIGNATURE: David Catavach DATE: 12/9/13
*	E-MAIL ADDRESS: drcatanach@netscape.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:

#### 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.

### C-108 Application RKI Exploration & Production, LLC LVP SWD No. 1 2100' FSL & 385' FEL (Unit I) Section 4, T-23S, R-28E, NMPM Eddy County, New Mexico

- I. The purpose of the application is to request approval to utilize the proposed LVP SWD No. 1 as a produced water disposal well. This is a new well to be drilled for injection.
- II. RKI Exploration & Production, LLC ("RKI")
  210 Park Avenue, Suite 900
  Oklahoma City, Oklahoma 73102
  Contact Party: David Catanach (505) 690-9453
- III. Injection well data sheet and wellbore schematic diagram showing the proposed wellbore configuration are attached.
- IV. This is not an expansion of an existing project.
- V. Attached is a map that identifies all wells/leases within a 2-mile radius of the proposed water disposal well and a map that identifies the ½ mile "Area of Review" ("AOR").
- VI. A listing of all wells within the AOR, including API No., operator, well name & number, well type and status, well location, well construction and plugging diagrams, where applicable, are attached. An examination of the AOR well data shows that both wells within the AOR are adequately constructed and/or plugged and abandoned so as to preclude the migration of fluid from the proposed injection interval.
- VII. 1. The average injection rate is anticipated to be approximately 5,000 BWPD. The maximum rate will be approximately 10,000 BWPD. If the average or maximum rates increase in the future, the Division will be notified.
  - 2. This will be a closed system.
  - 3. RKI will initially inject water into the subject well at or below a surface injection pressure that is in compliance with the Division's limit of 0.2 psi/ft., or approximately 680 psi. If a surface injection pressure above 680 psi is necessary, RKI will conduct a step rate injection test to determine the fracture pressure of the Delaware formation in this area.

- Page 2
- 4. Produced water from the Delaware and Bone Spring formations originating from RKI operated wells in this area will be injected into the subject well. Attached is a produced water analysis that represents a mixture of Delaware and Bone Spring formation water. The TDS of this fluid is approximately 190,000 mg/l. RKI anticipates no scaling or other issues with regards to injection of this fluid into the Delaware interval.
- 5. The Delaware formation is productive within one mile the proposed LVP SWD No. 1.

VIII. Geologic Formation: Delaware Formation (Bell & Cherry Canyon)

Estimated Top: Bell Canyon: 2,900'; Cherry Canyon: 3,890'

Thickness: 1,800' Lithology: Sandstone

USDW's: According to data obtained from the New Mexico

State Engineer, there is one fresh water well located within one mile of the LVP SWD No. 1. This data further shows that fresh water wells in this area are 57-250 feet deep, and the average depth to fresh water is 25 feet. This is not a known fresh water aquifer, but rather represents a sporadic Alluvial

source.

- IX. If necessary, the well will be stimulated with 27,300gallons of 15% HCl
- X. Logs will be filed subsequent to the completion of drilling operations.
- XI. RKI has conducted a field inspection in an attempt to locate the fresh water well that, according to the New Mexico State Engineer, exists in Section 9. No fresh water well was found. To RKI's knowledge, no other fresh water well is present within one mile of the LVP SWD No. 1.
- XII. Affirmative statement is enclosed.
- XIII. Proof of Notice is enclosed.

DISTRICT I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 DISTRICT II 211 S. First St., Artesia, NFM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 DISTRICT III 1000 Rio Brazos Rd., Azzec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 DISTRICT IV 1220 S. St. Francia Dr., Santa Fe, NM 17505 Phone: (505) 476-3460 Fax: (505) 476-3462

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

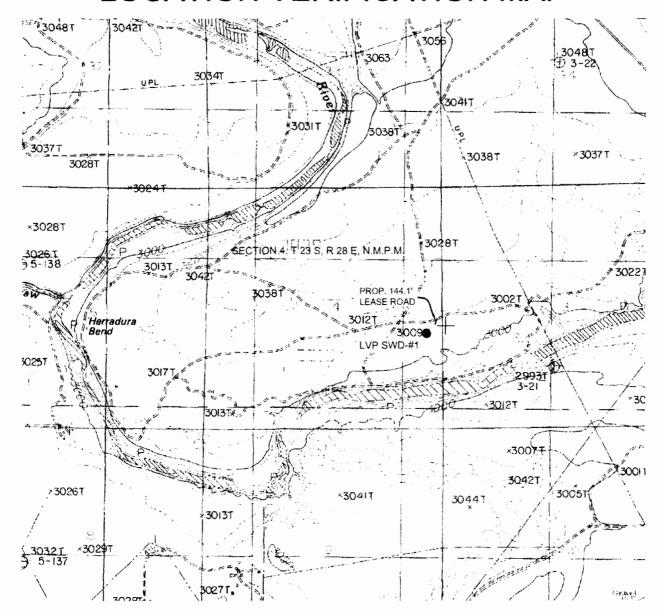
Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

☐ AMENDED REPORT

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A	PI Number		Po	ol Code					Pool Name		
Property Co	ode					erty Name P SWD				Well Nu	
OGRID N 24628			RI	(I EXPI	ORATIO		ODUCTIO	ON		3009	
					Surface	e Locatio	n				
UL or lot no.	Section	Township	Range	Lot Idn	Feet fro	om the	North/South	line	Feet from the	East/West line	County
	4	23 S	28 E		210		SOUT		385	EAST	EDDY
UL or lot no.	Section	Township	Range	Lot Idn	Feet fro		North/South		Feet from the	East/West line	County
	booton	rownsap		201121							
Dedicated Acres	Joint or	Infill	Consolidated Code	Orde	r No.		<del></del>				
		-					NMSP-E Y ≈ 48		I hereby certify therein is true and knowledge and be either owns a wo mineral interest in proposed bottom the contract with an acoustact with an	OR CERTIFICA hat the information d complete to the be- ited, and that this or whing interest or unli m the land including tole location or has o this location pursuas owner of such a mis- or to voluntary pooling ompulsery pooling or mpulsery pooling or	contained at of my yenisation eased the triphi to at to a veral or
	THE RESERVE THE PROPERTY OF TH		-	endants, interest of a mon		1			Signature  Print Name  E-mail Address	Da	ic .
	THE CASE OF THE PERSON NAMED OF THE PERSON O					ELE NMSP Y =		385'	I hereby certify the plat was picted from made by me or un	PRS CERTIFIC.  at the well location on field notes of ac der my supervision.  professional Services.  MEX	ehown on this tual surveys and that the my belief.
SW COR SEC 4 NMSP-E (NAD 83) Y = 482823.1' N X = 613073.3' E LAT.= N32" 19' 37.70' LONG.= W104" 06' 03			1			NMS Y X LAT.= N	E COR SEC 4 P-E (NAD 83) = 482830.7 N = 618338.6 E 32° 19' 37.66° 04° 05' 02.56°		Job No.: WTC48 JAMES E. TOMPKIN Certificate Number	14729	1 1 - 11 1

## LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

SECTION 4,T 23 S, R 28 E, N.M.P.M.

COUNTY: EDDY

STATE: NM

DESCRIPTION: 2100' FSL & 385' FEL

**OPERATOR: RKI EXPLORATION & PRODUCTION** 

WELL NAME: LVP SWD-#1



### DRIVING DIRECTIONS:

From the intersection of New Mexico State Highway 31 and County Road 605. Go north on County Road 605 for 3.6 miles and turn left on to Herradura Bend Road. Go west for 0.7 miles and turn left. Go south 1.6 miles and the location is on the left approximately ±200'.



WEST TEXAS CONSULTANTS, INC. ENGINEERS PLANNERS SURVEYORS 405 S.W. 181 STREET ANDREWS, TEXAS 79714 (432) 523-2181

**RKI** EXPLORATION & PRODUCTION

JOB No.: WTC48785

## **INJECTION WELL DATA SHEET**

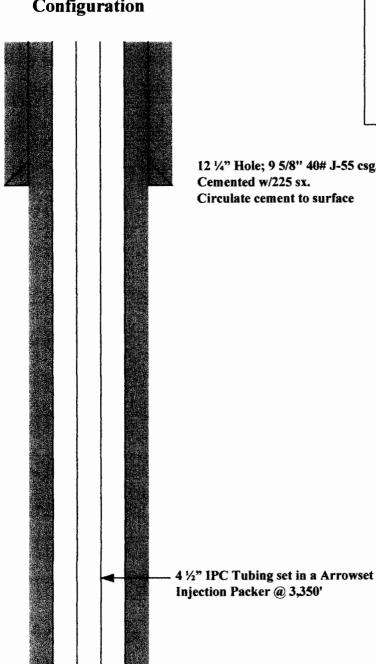
OPERATOR: RKI Exploration & Production, LLC				
WELL NAME & NUMBER: LVP SWD Well No. 1				
WELL LOCATION: 2100' FSL & 385' FEL FOOTAGE LOCATION	I UNIT LETTER	4 SECTION	23 South TOWNSHIP	28 East RANGE
WELLBORE SCHEMATIC			TION DATA (Pro	
		Surface Ca	sing	
See Attached Wellbore Schematic	Hole Size: 12 1/4"		Casing Size: 9 5/8	8" @ 450'
	Cemented with: 225	5 Sx.	or	ft³
	Top of Cement:	Surface	Method Determine	d: Circulate
		Intermediate (		
	Hole Size:		Casing Size:	
	Cemented with:		or	ft <sup>3</sup>
	Top of Cement:		Method Determine	d:
		Production (	Casing	
	Hole Size: 8 3/4"		Casing Size: 7" @	0.4,700
	Cemented with: _79	0 Sx.	or	ft³
	Top of Cement:	Surface	_Method Determine	ed: Circulate
	Total Depth:	4,700'	PBTD:	
		Injection Interv	<u>val</u>	

Delaware Formation: 3,400'-4,650' Perforated

### **INJECTION WELL DATA SHEET**

Tubing	ng Size: 4 ½"	_ Lining Material:	Internally Plastic Coated
Туре о	of Packer: Arrowset IX Packer o	or Similar Type Injection Pac	cker
Packer	er Setting Depth: 3,350' or within 100'	of the uppermost injection p	perforations
Other '	Type of Tubing/Casing Seal (if applicable):_	None	
	A	dditional Data	
1.	Is this a new well drilled for injection:	Yes	No
	If no, for what purpose was the well original	lly drilled:	
2.	Name of the Injection Formation: Bell C	anyon & Cherry Canyon Me	embers of the Delaware Formation
3.	Name of Field or Pool (if applicable): Then	re are no OCD designated D	elaware pools in Section 4-23S-28E
4.	Has the well ever been perforated in any oth i.e. sacks of cement or plug(s) used.	ner zone(s)? List all such pe	rforated intervals and give plugging detai
	None		
5.	Give the name and depths of any oil or gas a in this area:	zones underlying or overlying	ng the proposed injection zone
	The North Loving-Atoka Gas Pool is presen	nt in Section 4 at a depth of a	approximately 11,300 feet

### **Proposed Wellbore** Configuration



**RKI Exploration & Production, LLC** LVP SWD Well No. 1 API No. N/A 2100' FSL & 385' FEL, Unit I Section 4, T-23S, R-28E

12 1/4" Hole; 9 5/8" 40# J-55 csg. set @ 450'

4 1/2" IPC Tubing set in a Arrowset IX or Similar Type

**Estimated Formation Tops:** Bell Canyon: 2,900' Cherry Canyon: 3,890'

Bell Canyon & Cherry Canyon Perforations: 3,400'-4,650'

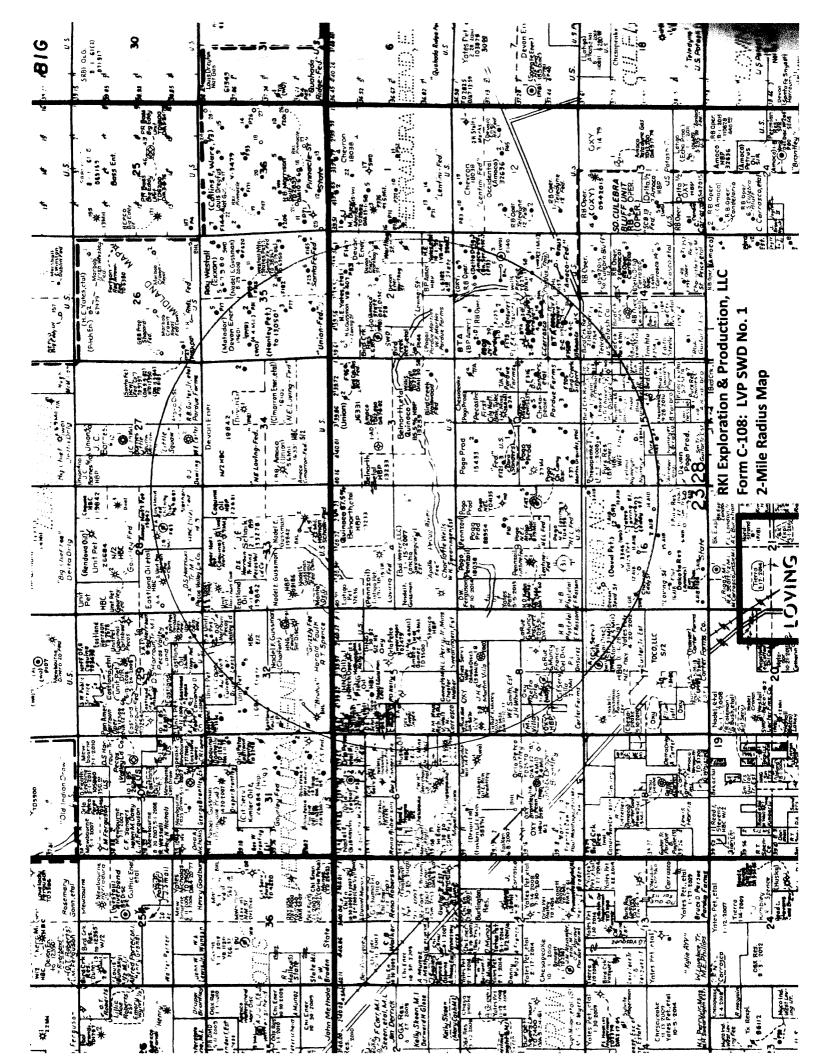
8 3/4" Hole; 7" 23# J-55 csg. set @ 4,700' Cemented w/790 Sx. Circulate cement to surface

T.D. 4,700'

28E Federal AD Com #1 1/2 Mile LVP SWD Well No. 1 **RKI-Operator Active SWD** 2100' **23S** 9

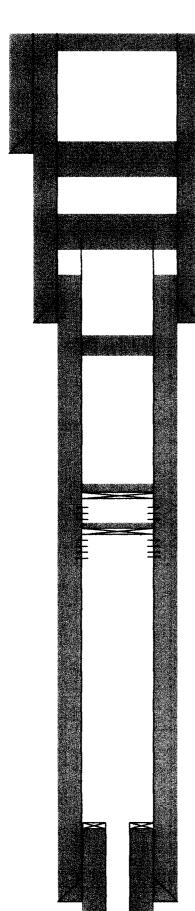
RKI Exploration & Production, LLC Form C-108: LVP SWD Well No. 1

1/2 Mile AOR Map



### RKI EXPLORATION & PRODUCTION, LLC AREA OF REVIEW WELL LIST LVP SWD WELL NO. 1

TEVERNING	eresitos	ESTE	NO.	TIPE	STATE.		II.	W.	EVI	LETUT S	EE T	Brep / m	rici.	DATE:	HERE!	HINT	ME.	AT	SK.	TOP	MYTA	HOLE	CSIL.		口	TOP	MIN.	STATE OF THE PARTY	MEMORS.
30-015-23816	RKI Exploration & Prod. LLC	Swearingen	1	SWD	Active	1650	S	1980	E	J	4	238 2	BE .	Jul-81	12,750'	26"	20"	358'	730	Surface	Circ	17 1/2"	13 3/8"	2,503'	2100	Surface	Circ	7,070'-9,301' Perf.	Rone Spring SWD
				1		1								-										9,591'-11,977'					PBTD: CISP @ 12,000" + 35" cmt.; CISP @
													1											11,705'-12,748					11,300' + 35' cmt.; CIBP @ 9,345' + 35' cmt.
											-												7"	7,051'	575	4,938'	Calc.		9 5/8" cag. Stage cemented; 1st-1550 sx. 2nd-
			-			-					7																		1700 sx. DV Tool @ 5,522'
						-												-					-						Perforations: 11,396'-11,536'-Atoka;
										_																			2,570'-5,987'-Delaware
0-015-23631	Amoco Production Co.	Federal AD Com	1	Dry	PA	1980	N	1650	W	F	3	238 2	SE F	eb-81	12,890	20"	16"	402'	450	Surface	Circ.	14 3/4"	10 3/4"	2,535'	2275	Surface	Circ.	Morrow-Atoka-	PA'd 7/82. Schematic Attached
				-		-				-							7 5/8"	9,710	1825	2,135	T.S.	6 1/2"	4 1/2"	9,164'-12,889'	575	Liner Top	Calc.	Bone Spring Test	
0-015-34649	Oxy USA, Inc.	NEL Federal	7	P	ND	330	N	330'	E	A	9	238 2	8E	V	Veit Neve	r Drilled	APD C	ancella	2/2001	-			-		-		-		



20 Sx. Surface Plug

Amoco Production Company
Federal AD Com No. 1
API No. 30-015-23631
1980' FNL & 1650' FWL (Unit F)
Section 3, T-23 South, R-28 East, NMPM

20" Hole; Set 16" Csg @ 402' Cemented w/450 Sx. Cement circulated to Surface

Spot 45 Sx. Cmt. 352'-452'

Cut & Pulled 7 5/8" Csg. @ 1,960' Spot 45 Sx. Cmt. Plug 1,942'-2,026'

**Drilled: 2/1981 Plugged: 7/1982** 

TOC @ 2,135' by T.S.

14 %" Hole; Set 10 %" Csg. @ 2,535' Cemented w/2275 Sx.

Cement circulated to Surface

Spot 35 Sx. Cmt. @ 2,614'

CIBP @ 6,213' + 25 Sx. Cmt.

Bone Spring Perforations: 6,276'-6,594'

CIBP @ 6,650' + 35' Cmt.

Bone Spring Perforations: 6,730'-6,957'

9 ½" Hole; Set 7 5/8" Csg @ 9,710' Cement w/1825 Sx. TOC @ 2,135' by T.S.

CIBP @ 11,470' + 35' cmt. Atoka Perforations: 11,513'-11,528' CIBP @ 12,235' + 35' cmt. Morrow Perforations: 12,268'-12,676'

CIBP @ 12,700' Morrow Perforations: 12,721'-12,728' 6 ½" Hole; Set 4 ½" Liner 9,164'-12,889' Cemented w/575 Sx.

TOC @ Liner Top by Calc.

T.D. 12,890'

RKI Exploration & Production, LLC Form C-108: LVP SWD No. 1 PA Schematic Federal AD Com No. 1 NH OIL CONS. COMMISSION Drawer DD Artesia, NM 88210

Form 9-331 Dec. 1973	Form Approved. Budget Bureau No. 42–R1424
UNITED STATES	5. LEASE
DEPARTMENT OF THE INTERIOR	NM-16331
GEOLOGICAL SURVEY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
SUNDRY NOTICES AND REPORTS ON WELLS	7. UNIT AGREEMENT NAME
(Do not use this form for proposals to drill or to deepen or plug back to a different	
reservoir, Use Form 9–331–C for such proposals.)	8. FARM OR LEASE NAMEFEB 09 1983
1. oil gas	Federal AD Com 9. WELL NO. O. C. D.
2. NAME OF OPERATOR	1 ARTESIA, OFFICE
Amoco Production Company 🗸	10. FIELD OR WILDCAT NAME
3. ADDRESS OF OPERATOR	PxA
P. O. Box 68, Hobbs, New Mexico 88240  4. LOCATION OF WELL (REPORT LOCATION CLEARLY, See space 17	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
below )	3-23-28
AT SURFACE: 1650' FWL X 1980' FNL, Sec. 3 AT TOP PROD. INTERVAL: (Unit F, SE/4,SW/4)	12. COUNTY OR PARISH 13. STATE Eddy NM
AT TOTAL DEPTH:	14. API NO.
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE,	30-015-23631
REPORT, OR OTHER DATA	15. ELEVATIONS (SHOW DF, KDB, AND WD)
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:	Not HOBBE
TEST WATER SHUT-OFF	3 <b>43.</b> ^125
SHOOT OR ACIDIZE	187 1 Z.V
REPAIR WELL	(NOTE: Report results of multiple completion or zone change on Form 9-330.)
PULL OR ALTER CASING  MULTIPLE COMPLETE	change on Form 9-330.)
CHANGE ZONES	
ABANDON*	
(other)	
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly stat including estimated date of starting any proposed work. If well is d measured and true vertical depths for all markers and zones pertiner	irectionally drilled, give subsurface locations and
Moved in service unit 7-1-82. Pulled tubin 6213' and capped with 25 sacks class C ceme class C cement at 2614'. Cut 7-5/8" casing Spotted 45 sacks of class H cement from 202 stub. Spotted 45 sacks class H cement from class H surface plug. Installed PxA marker 7-8-82.	ent. Spotted 35 sacks g at 1960'. Pulled casing. 6' to 1942' over 7-5/8" casing . g 452' to 352'. Set a 20 sack
	POST - 72
0+6-USGS,R 1-HOU 1-W. STAFFORD,HOU	1-DMF
	·
Subsurface Safety Valve: Manu. and Type	Set @ Ft.
	901 @
18. I hereby certify that the foregoing is true and correct	•
SIGNED / ANT TIME AST. Adm. And	11yst DATE 7-13-82
APPROVED (This space for Federal or State of	fice use)
APPROVED BY Sgd.) PETER W. CHESTER TILE	
FEB 8 1983	JUL 1 5 1982
JAMES A. GILLHAM  OISTRICT SUPERVISOR  See Instructions on Reverse	Side CIL & GAS U.S. GEOLOGICAL SURVEY



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

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,

O=orphaned.

(quarters are 1=NW 2=NE 3=SW 4=SE) C=the file is closed)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

		POD Sub-		_		_						Dande	D	Makas
POD Number	Code		County		Q 16			Tws	Rng	<b>X</b>	Y	Depth Well		Column
C 00289		С	ED	1	1	1	05	23\$	28E	583128	3578563* 🧼		33	
C 00326		С	ED	3	3	3	10	238	28E	586358	3575572*	130	19	111
C 00326 CLW196238	0		ED	3	3	3	10	23\$	28E	586358	3575572*	196	25	171
C 00800		С	ED		4	2	09	235	28E	586050	3576479*	200	30	170
C 03216 POD1		С	ED	3	3	1	05	238	28E	583156	3577913 🥡	250		
C 03455 POD1			ED	3	3	1	05	235	28E	583040	3577899 🥡	57	22	35

Average Depth to Water: 25 feet

> 19 feet Minimum Depth:

> Maximum Depth: 33 feet

**Record Count: 6** 

**PLSS Search:** 

Section(s): 5, 9, 10

Township: 23S

Range: 28E

**RKI Exploration & Production, LLC** Form C-108: LVP SWD No. 1 State Engineer-Fresh Water Data

\*UTM location was derived from PLSS - see } ....



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

No records found.

PLSS Search:

Section(s): 33-34

Township: 22S

Range: 28E

RKI Exploration & Production, LLC Form C-108: LVP SWD No. 1 State Engineer-Fresh Water Data

### **MITCHELL ANALYTICAL LABORATORY**

2638 Faudree Odessa, Texas 79765-8538 561-5579

Company:	Wade	eCo Sp	ecialti	es, LLC				
Well Number: Lease: Location: Date Run:	Sweari RKI WC157 9/6/20		SWD			Sample Temp: Date Sampled: Sampled by: Employee #:	70 8/26/20 Wade H	
Lab Ref #:		-h12353				Analyzed by:	GR	
				Dissolved G	Gases			
						Mg/L	Eq. Wt.	MEq/L
Hydrogen Sulfi		(H2S)				.00	16.00	.00
Carbon Dioxide		(CO2)				32.00	22.00	1.45
Dissolved Oxyg	gen	(02)				1.50	8.00	.19
				Cations				
Calcium		(Ca++)				15,782.52	20.10	785.20
Magnesium		(Mg++)	)			2,376.56	12.20	194.80
Sodium		(Na+)				53,730.57	23.00	2,336.11
Barium		(Ba++)		NOT ANAL	YZED			
Manganese		(Mn+)				3.59	27.50	.13
Strontium		(Sr++)		NOT ANAL	YZED			
				Anions				
Hydroxyl		(OH-)				.00	17.00	.00
Carbonate		(CO3=)				.00	30.00	.00
BiCarbonate		(HCO3-				183.30	61.10	3.00
Sulfate		(SO4=)	•			240.00	48.80	4.92
Chloride		(Cl-)				117,429.03	35.50	3,307.86
Total Iron		(Fe)				21.91	18.60	1.18
Total Dissolved	Solids	•				189,800.98	20.00	
Total Hardness						49,200.20		
Conductivity M	ICROM	HOS/CM				206,400		
рН	5.510	)			Specific	c Gravity 60/6	0 F.	1.132
CaSO4 Solubilit	y @ 80	F.	14.3	B8MEq/L,	CaSO4 s	scale is unlikel	У	
CaCO3 Scale Inde	ex							
70.0		064	100.0	.534	130.0	1.46	54	
80.0		184	110.0	.884	140.0	1.46	54	
90.0		534	120.0	.884	150.0	1.99	94	

RKI Exploration & Production, LLC Form C-108: LVP SWD No. 1 Delaware & Bone Spring Formation Water Analysis

### MITCHELL ANALYTICAL LABORATORY

2638 Faudree Road Odessa, Texas 79765 561-5579

Mr. Wade Havens Wadeco Specialties, LLC P.O. Box 60634 Midland, Texas 79711 September 4, 2013

Analysis results: 3 water samples for Total Petroleum Hydrocarbons

**RKI** 

Dated: 8-26-13,

Lab No. 13-SEP-H12330

Sample: RKI	ppm TPH
Swearingen #1 SWD WH wc15703	57.39
Santa Fe #8 SWD Inj. WH wc15698	18.26
RB8 #1 WH wc15660	33.91

Analyst George Roberts

### MITCHELL ANALYTICAL LABORATORY

2638 Faudree Road Odessa, Texas 79765 561-5579

Mr. Wade Havens Wadeco Specialties, LLC P.O. Box 60634 Midland, Texas 79711 September 4, 2013

Results on 3 RKI Millipore filter analysis, Dated 8-26-13, Lab No. 13-SEP-H12332

Sample	Oil Mg/l	Para Mg/l	Asph Mg/l	Carb Mg/l	Iron Mg/l	Inerts Mg/l	TFS Mg/l
Red Bluff 8 #1 SWD 250 Mls. WC15709	32.40	6.00	0.00	58.00	53.20	10.00	159.60
Swearingen SWD 270 Mls. WC15705	58.89	12.96	0.00	48.89	63.70	12.59	197.04
Santa Fe #8 SWD 550 Mls. WC15700	16.00	3.45	0.00	3.45	24.55	3.09	50.55

Analyst George Roberts

### ROB COCHRAN CONSULTING, INC. P.O. Box 2154 Midland, Texas 79702

COMPANY: RKI DATE RECEIVED: 9-4-13

LEASE/UNIT: Listed DATE REPORTED: 9-5-13

### **WADECO SPECIALTIES**

### **BACTERIAL TESTING REPORT**

SAMPLE NAME	APB in CFU/ml	SRB in CFU/ml
1) Santa Fe # 8 SWD WadeCo # 15699	2,445	125
2) Swearingen # 1 SWD WadeCo # 15704	11,935	145
3) CBR 6-14 WadeCo # 15707	286,325	190

APB in CFU/ml = Acid Producing Bacteria in Colony Forming Units per milliliter

SRB in CFU/ml = Sulfate Reducing Bacteria in Colony Forming Units per milliliter

# Form C-108 Affirmative Statement RKI Exploration & Production, LLC LVP SWD No. 1

Section 4, T-23 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 Catanach

Agent for RKI Exploration & Production, LLC

12/9/13 Date

# CERTIFIED MAIL RETURN RECEIPT REQUESTED

TO: (SEE ATTACHED NOTICE LIST)

Re: RKI Exploration & Production, LLC

Form C-108 (Application for Authorization to Inject)

LVP SWD No. 1 API No. N/A

2100' FSL & 385' FEL, Unit I, Section 4, T-23S, 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 RKI Exploration & Production, LLC LVP SWD No. 1. You are being provided a copy of the application as an offset operator/leaseholder, offset interest owner or the owner of the land on which the well is located. RKI Exploration & Production, LLC proposes to drill the LVP SWD No. 1 and utilize the well as a produced water disposal well, injection to occur into the Delaware formation through the perforated interval from approximately 3,400 feet to 4,650 feet.

Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

If you should have any questions, please contact Mr. Cody Reid, Landman, RKI Exploration & Production, LLC at (405) 996-5767 or myself at (505) 690-9453.

Sincerely,

David Catanach-Agent

RKI Exploration & Production, LLC

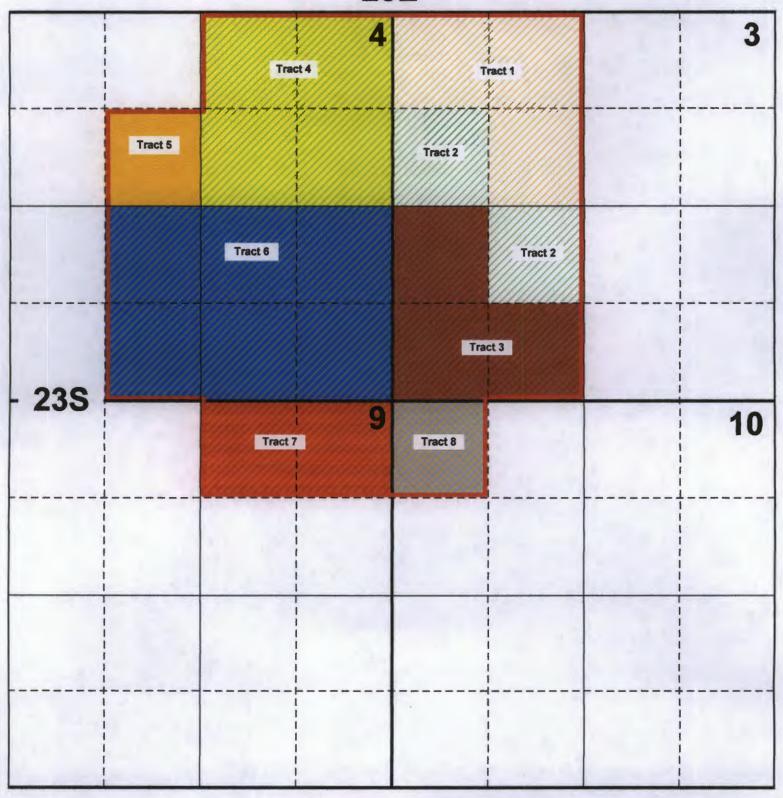
210 Park Avenue, Suite 900

Oklahoma City, Oklahoma 73102

David Catarad

Enclosure

28E



1/2 Mile Notice Area

RKI Exploration & Production, LLC Form C-108: LVP SWD Well No. 1 1/2 Mile Notice Area/Tract Identification

Tract 1: N/2 NW/4 & SE/4 NW/4 Section 3-23S-28E

- () Robert J. & Marion M. Leonard Trustees-Leonard Trust 11/10/93 P.O. Box 400 Roswell, New Mexico 88202
- Barnard Ranch Joint Venture c/o Product Operating, Inc. 3838 Oak Lawn Ave. Suite 910
  Dallas, Texas 75219
- Oculus Energy Company P.O. Box 5641 Austin, Texas 78763

- Magnum Hunter Production, Inc. 600 N. Marienfeld Street Suite 600 Midland, Texas 79701
- © Chevron USA Inc. 1400 Smith Street Houston, Texas 77002
- BP America Production Company 501 Westlake Park Boulevard Houston, Texas 77079

Joseph Wm. Foran 5400 LBJ Freeway Suite 1500 Dallas, Texas 75240

> Tract 2: SW/4 NW/4 & NE/4 SW/4 Section 3-23S-28E

Read & Stevens, Inc. P.O. Box 1518 Roswell, NM 88202

Barnard Ranch Joint Venture c/o Product Operating, Inc.

(A) Norman L. Stevens, Jr.-Trustee
Norman L. Stevens Revocable Trust
Dated 9/14/1995
P.O. Box 1
Hondo, New Mexico 88336

Pioneer Natural Resources USA, Inc. P.O. Box 3178 Midland, TX 79702

**Oculus Energy Company** 

Magnum Hunter Production, Inc.

Plantation Operating, LLC 4700 West Sam Houston Parkway North Suite 140 Houston, TX 77041 Chevron Midcontinent, L.P. P.O. Box 2100
Houston, TX 77252

Chevron USA, Inc.

Lonesome Dove Petroleum Co., A Texas Corporation Joanne E. Bozzuto Receiver (Address unknown)

Joseph Wm. Foran

- CBR Oil Properties, LLC P.O. Box 1518 Roswell, NM 88202
- Devon Energy Production Company, L.P. 333 W. Sheridan Ave. Oklahoma City, OK 73102

Tract 3: W/2 SW/4 & SE/4 SW/4 Section 3-23S-28E

DeltaUS Corporation InterFirst Plaza Tower 110 North College Tyler, TX 75702 Enron Oil & Gas Company Box 2267
Midland, TX 79701

Barnard Ranch Joint Venture c/o Product Operating, Inc.

Occidental Permian Limited Partnership P.O. Box 50250 Midland, TX 79710 Magnum Hunter Production, Inc.

Chevron Midcontinent, L.P.

Chevron U.S.A., Inc.

Devon Energy Production Company, L.P.

Joseph Wm. Foran

Tract 4: NE/4 Section 4-23S-28E

PMC 1990-WI Acquisition LP PMC 1990-EQ Acquisition LP 4600 Greenville Ave Dallas, TX 75206

Wesson 1990-WI Acquisition LP 4600 Greenville Ave Dallas, TX 75206 L. Frank Pitts, dba
Pitts Oil Company
Mark Seaman
%PMC Reserve Acquisition Co. II
4600 Greenville Ave
Dallas, TX 75206
JIL Oil Corp.
10500 Heritage St

Lonesome Dove Petroleum Co., A Texas Corporation

Norman L. Stevens, Jr., as Trustee of The Norman L. Stevens, Jr. Revocable Trust UTA dated September 14, 1995

10500 Heritage St San Antonio, TX 78216

Pioneer Natural Resources USA, Inc.

Huntington Resources, Inc. P.O. Box 700093 Tulsa, OK 74170 Landcaster Resources, LLC P.O. Box 220 Jenks, OK 74037

George Reynolds 14008 West Litchfield Knoll North Litchfield Park, AZ 85340 Chevron Midcontinent, L.P.

OXY USA, Inc. 5 Greenway Plaza Suite 110 Houston, TX 77046



> Tract 4 (Cont.): NE/4 <u>Section 4-23S-28E</u>

**CBR Oil Properties, LLC** 

Gates Properties, Ltd. P.O. Box 81119 Midland, TX 79708 Devon Energy Production Company, L.P.

Tract 5: SE/4 NW/4 Section 4-23S-28E

Holly Energy, Inc. 2600 Diamond Shamrock Tower 717 North Harwood Dallas, TX 75201 PMC 1990-WI Acquisition LP PMC 1990-EQ Acquisition LP

Wesson 1990-WI Acquisition LP

L. Frank Pitts, dba
Pitts Oil Company
Mark Seaman
%PMC Reserve Acquisition
Company II

**Lonesome Dove Petroleum Co.** A Texas Corporation

JIL Oil Corp.

Landcaster Resources, LLC

Devon Energy Production Company, L.P George Reynolds

**OXY USA, Inc** 

American National Petroleum Company

333 Texas Street

**Suite 1350** 

Shreveport, Louisiana 71101

**CBR Oil Properties, LLC** 

Gates Properties, Ltd.

### Tract 6: E/2 SW/4 & SE/4 Section 4-23S-28E

Barbara J. Swearingen and Kim A.
Swearingen, Trustees of the Barbara J.
Swearingen Trust dated August 13, 1999
2535 Stonepost Lane
Salina, Kansas 67401

Julie J. Martin P. O. Box 10911 Southport, NC 28461-0917

Norma Gupton 1902 Moody Court Arlington, TX 76012

Phil Brewer, Domiciliary Foreign Personal Representative of the Estate of Addie Swearingen, Deceased Probate Cause No. PB 2009-5 P. O. Box 298 Roswell, New Mexico 88202

Kenneth W. Brown 7677 Jayhawk Dr. Riverside, CA 92509

Donia Ledford 9700 South 4055 Road Talala, Oklahoma 74080

Ronald M. Rodgers 19955 Indian Summer Lane Monument, CO 80132

Helen L. Tholstrup Anderson Marcotte 319 Reed Avenue Salina, KS 67401-6417 James A. Brown and Judith A. Brown P. O. Box 928 Elk City, OK 73648

John A. Brown 3669 Seneca Circle Las Vegas, NV 89109 (56)

Mary E. Harris P. O. Box 53 Richmond, KS 66080-0053

Dale M. Richardson 97 Stone Ridge Dr. Ainesville, TX 76240

Darlene Pearson 1107 Oakmont Hays, KS 67601 (प्री

Lois M. Lundblade 13184 SE 124th Avenue Clackamas, OR 97015

Margaret L. Mehl 702 Cambridge Lee Summit, MO 64086

Charlotte E. Wells and Kaiulani Lei Bumpus, as Joint Tenants Route 1, Box 314-B Burkeville, TX 75932 Anna Pauline Swearingen 512 Cedar Street Concordia, KS 66901

Grant Swearingen 209 Ashley Park Wichita, KS 67209

Jesma Hopper 2926 Columbine Wichita, KS 67204

Evalyn Swearingen North 50th Rd. Jamestown, KS 66948

Tiffany Gunther 16702 E. 49th Place Tulsa, Oklahoma 74134

Larry Redford 2608 E. Pearl Odessa, TX 79760

M. D. Vandaveer and Lois Vandaveer 12090 SE 84th Terrace Belleview, FL 34480-5466

Richard Allen Swearingen 3444 NE Happy Hollow Rd. Topeka, KS 66617

Tract 6: E/2 SW/4 & SE/4 Section 4-23S-28E

Sharon K. Fenton 3447 SE 35th St. Topeka, KS 66605



Joyce Ann Sasse 10801 W. Walnut Grove Lane Rocheport, MO 65279



John Collins Major and Stephen Alfred Major, Trustees Under the Last Will and Testament of John Charles Major, as Distributee from Emma Elizabeth Major Estate 509 W. Main Jones, OK 73049

Nadel and Gussman Permian Limited Liability Company, 601 North Marienfeld Suite 508 Midland, Texas 79701

Discovery Exploration, a Texas partnership 410 North Main Street Midland, Texas 79701-4710



Sheryl A. Collins, Formerly Swearingen Johnson 3209 SW Bell Avenue Topeka, KS 66614

Harry Richardson 5615 East 39 Ter Kansas City, MO 64130-1708

Mollye E. Morris, Ancillary Personal Representative of the Estate of Tommie Louise Darnell Rowan, Deceased 1021 Revere Circle Plano, TX 75075

George E. Richardson 118A Miami Rd. Fitzgerald, GA 31750-700000

Yosemite Creek Oil & Gas, LLC 4350 South Monaco Street, 5th Floor Denver, Colorado 80237

Enerstar Resources O&G, LLC, a New Mexico limited liability company Post Office Box 606 Carlsbad, New Mexico 88221-0606

(72)

Craig Collins and Sheryl A. Collins 3209 SW Bell Avenue Topeka, KS 66614

Terry A. White and Carla K. White, as Joint Tenants

P. O. Box 27 Tonkawa, OK 74653

Peggy Sue Lawson PSC 5 Box 439 APO AE 09050

Mary Lou Lundblade 3013 West 72nd Street Valley Center Kansas 67147-9222

J. Cleo Thompson & James Cleo Thompson, Jr., L.P. 325 North Saint Paul Street Suite 4300 Dallas, Texas 75201-4516

> Tract 7: N/2 NE/4 Section 9-23S-28E

OXY USA, Inc.

Nadiene N. Kuhn 1900 Oakwood Ave Sierra Madre, CA 91024 Diane N. Smith 18710 Kenya Street Northridge, CA 91326

Sheila Elizabeth McGill 3417 N. Midland Dr. 1608 Midland, TX 79707 Ronny Arnett 1303 E. Royall Blvd Malakoff, TX 75148 The Mary Guitar Polk Estate Limited Partnership 1101 Butternut Abilene, TX 79602

Tract 8: NW/4 NW/4 Section 10-23S-28E

OXY USA, Inc.

Chevron USA Inc.

Khody Land & Minerals Company 210 Park Ave Suite 900

Oklahoma City, OK

Surface Owner at the Wellsite of the LVP SWD No. 1

Khody Land & Minerals Company

# Form C-108 RKI Exploration & Production, LLC LVP SWD No. 1 Section 4, T-23 South, R-28 East, NMPM, Eddy County, New Mexico

The following-described legal notice will be published in the:

Artesia Daily Press 503 W. Main Street Artesia, New Mexico 88210-2067

The Affidavit of Publication will be forwarded to the Division upon receipt by RKI Exploration & Production, LLC

### **LEGAL NOTICE**

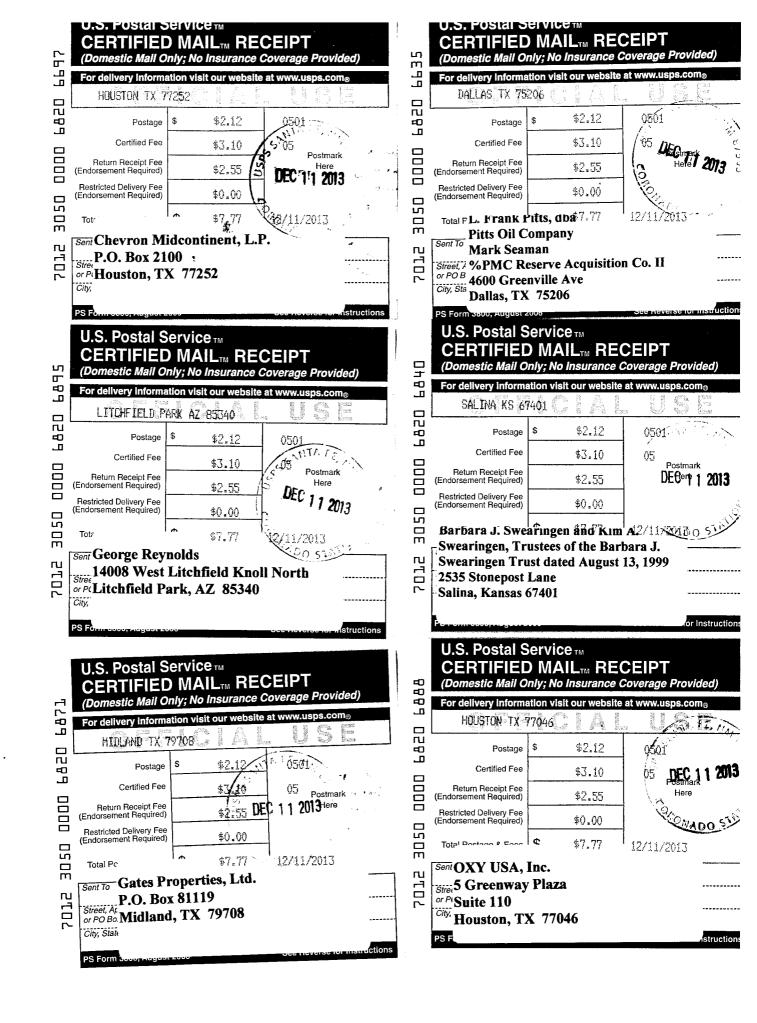
TO: Lonesome Dove Petroleum Company, A Texas Corporation All Other Interested Parties

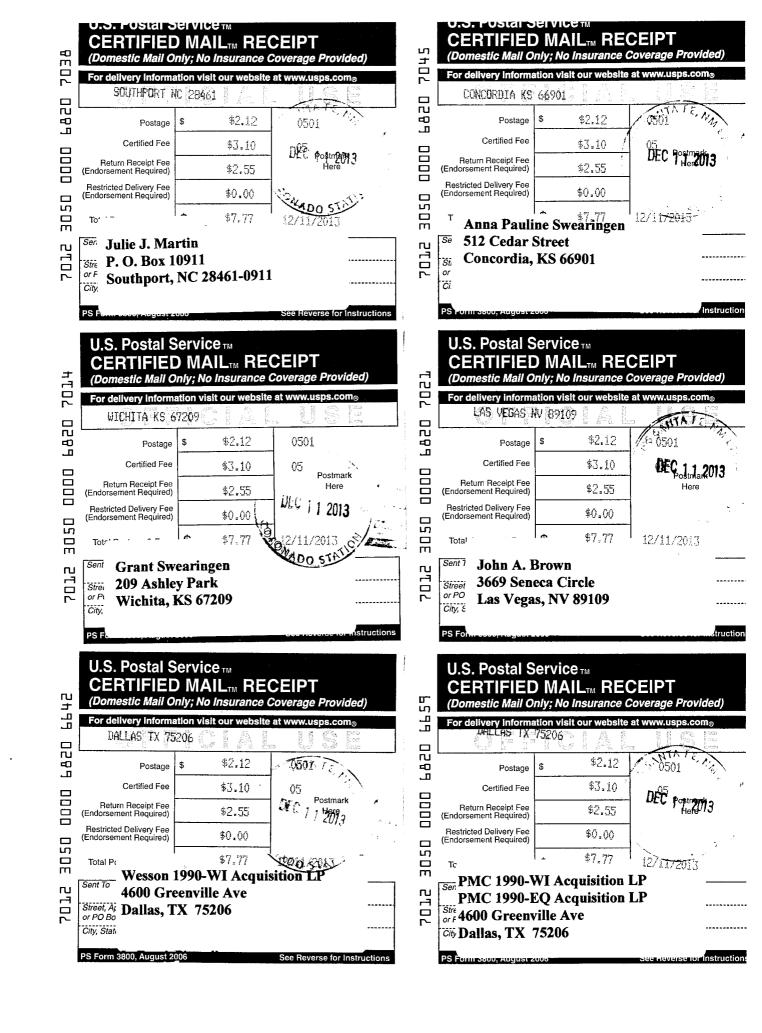
RKI Exploration & Production, LLC, 210 Park Avenue, Suite 900, Oklahoma City, Oklahoma 73102 has filed a Form C-108 (Application for Authorization to Inject) with the Oil Conservation Division ("Division") seeking administrative approval to utilize its LVP SWD Well No. 1 (API No. N/A) to be drilled 2100 feet from the South line and 385 feet from the East line (Unit I) of Section 4, Township 23 South, Range 28 East, NMPM, Eddy County, New Mexico as a produced water disposal well in the Delaware formation. Injection is to occur through the perforated interval from approximately 3,400 feet to 4,650 feet.

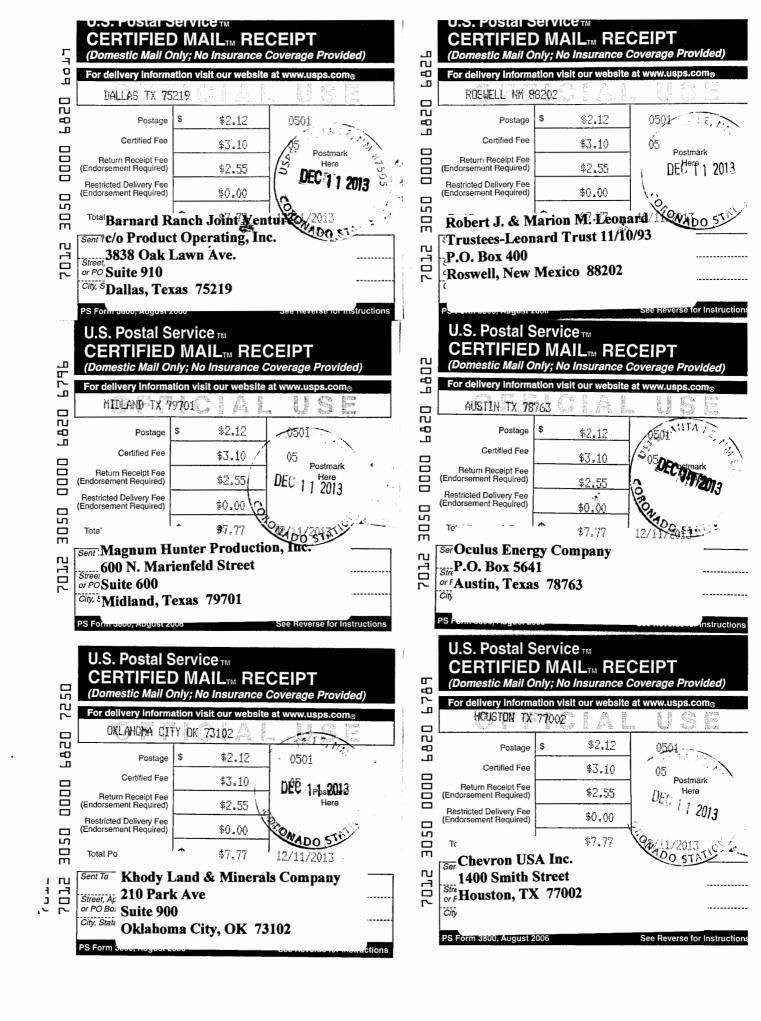
Produced water from the Delaware and Bone Spring formations originating from RKI Exploration & Production, LLC operated wells in this area will be injected into the LVP SWD No. 1 at average and maximum rates of 5,000 and 10,000 barrels of water per day, respectively. The initial surface injection pressure for the well is anticipated to be at or below 680 psi., which is in compliance with Division regulations. The maximum surface injection pressure will be determined by a step rate injection test.

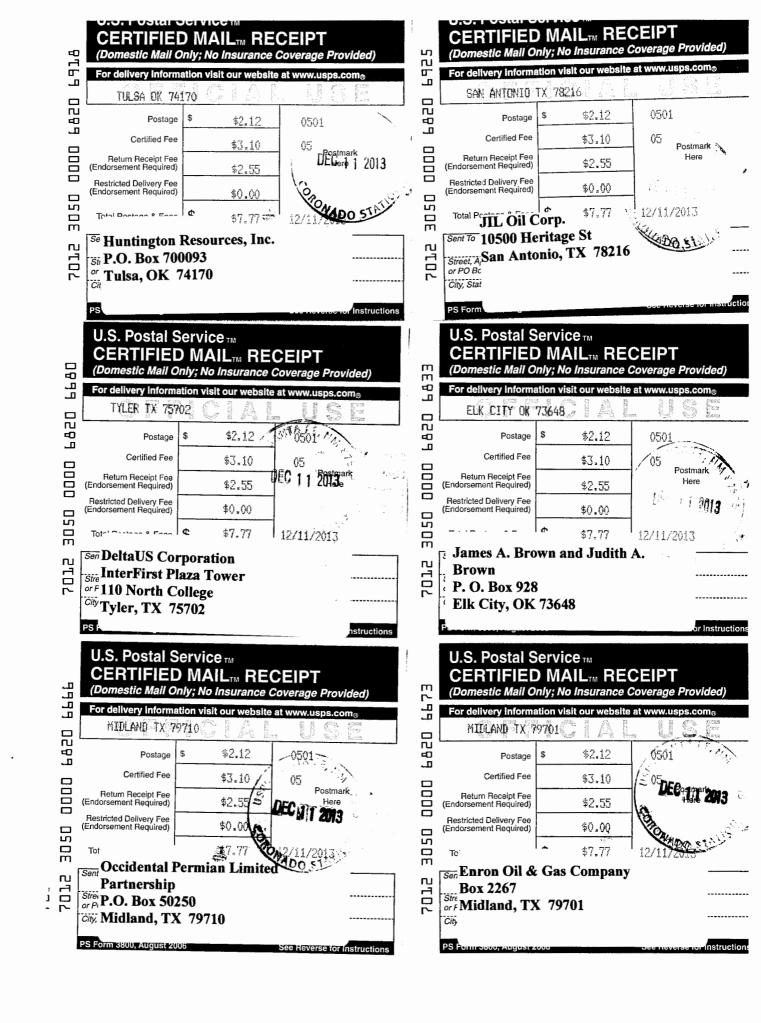
Interested parties must file objections with the New Mexico Oil Conservation Division, 1220 S. St Francis Drive, Santa Fe, New Mexico 87505, within 15 days of the date of this publication.

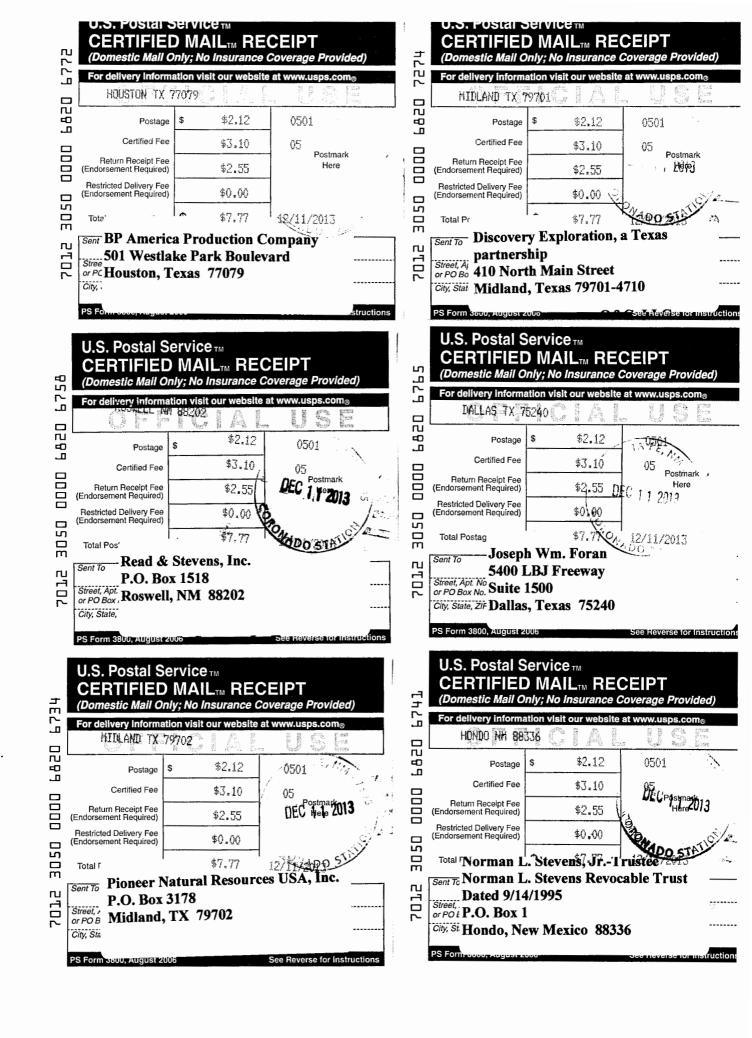
Additional information can be obtained by contacting Mr. David Catanach Agent-RKI Exploration & Production, LLC at (505) 690-9453.

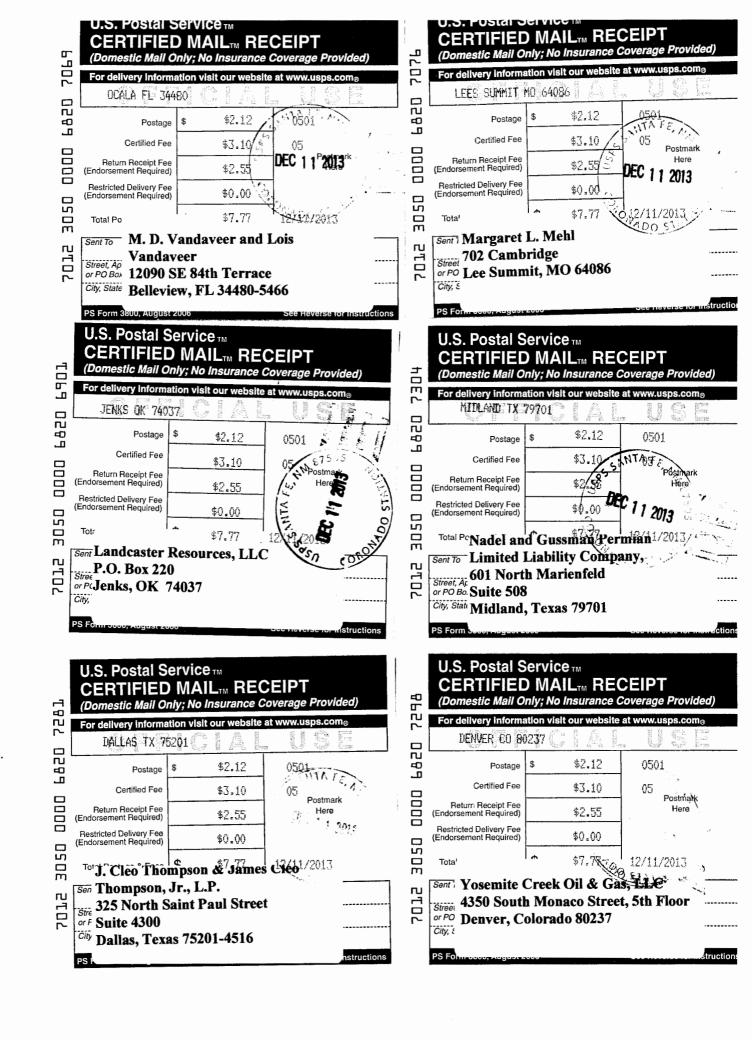


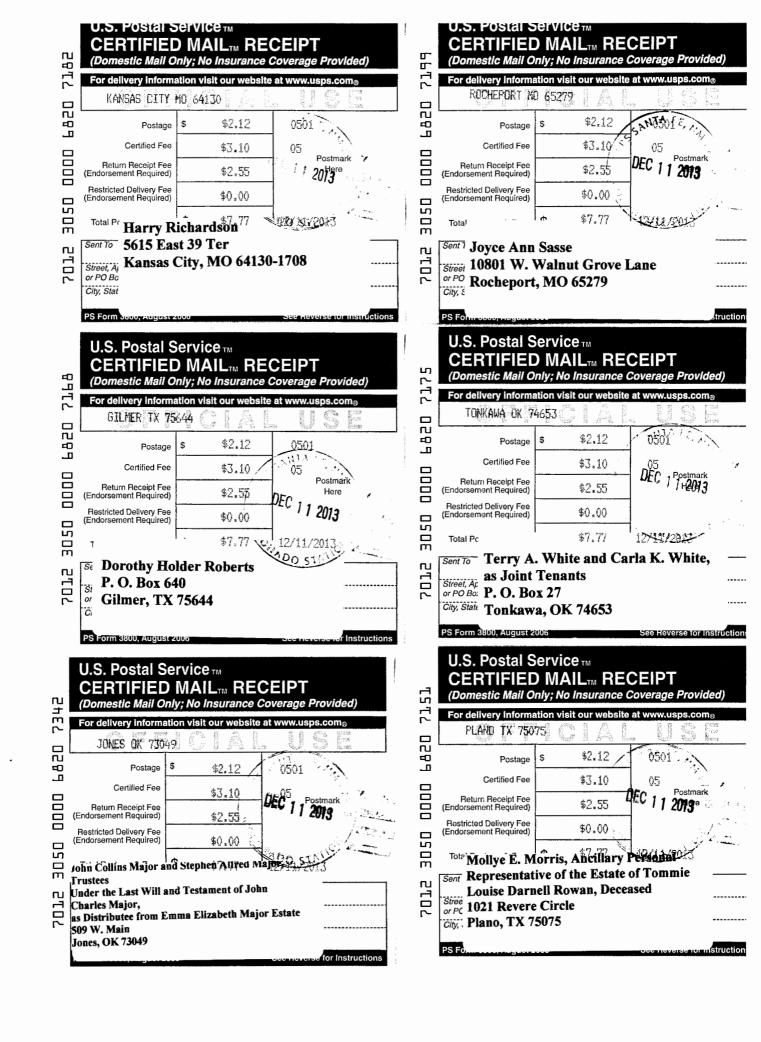


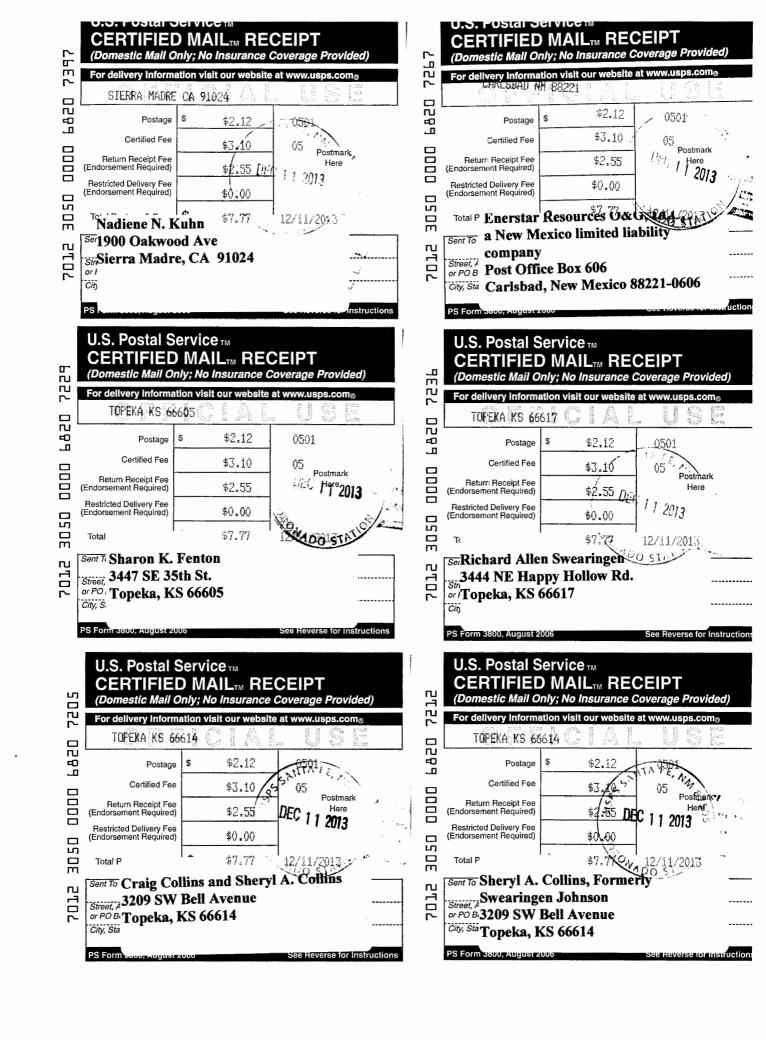


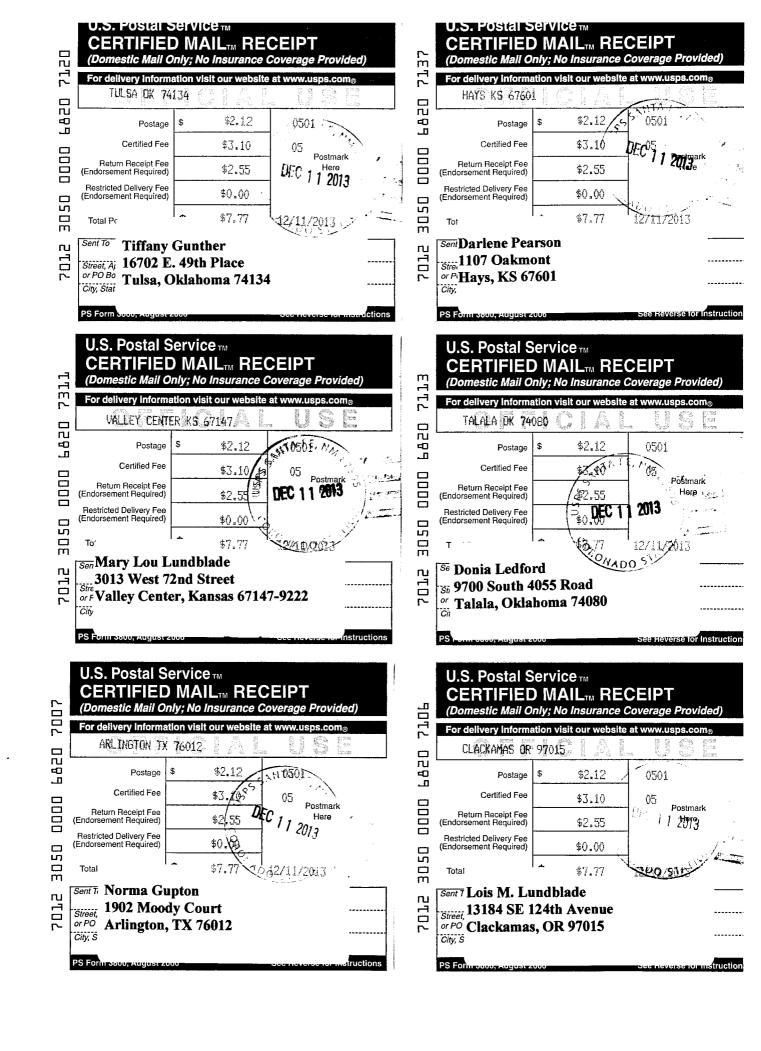


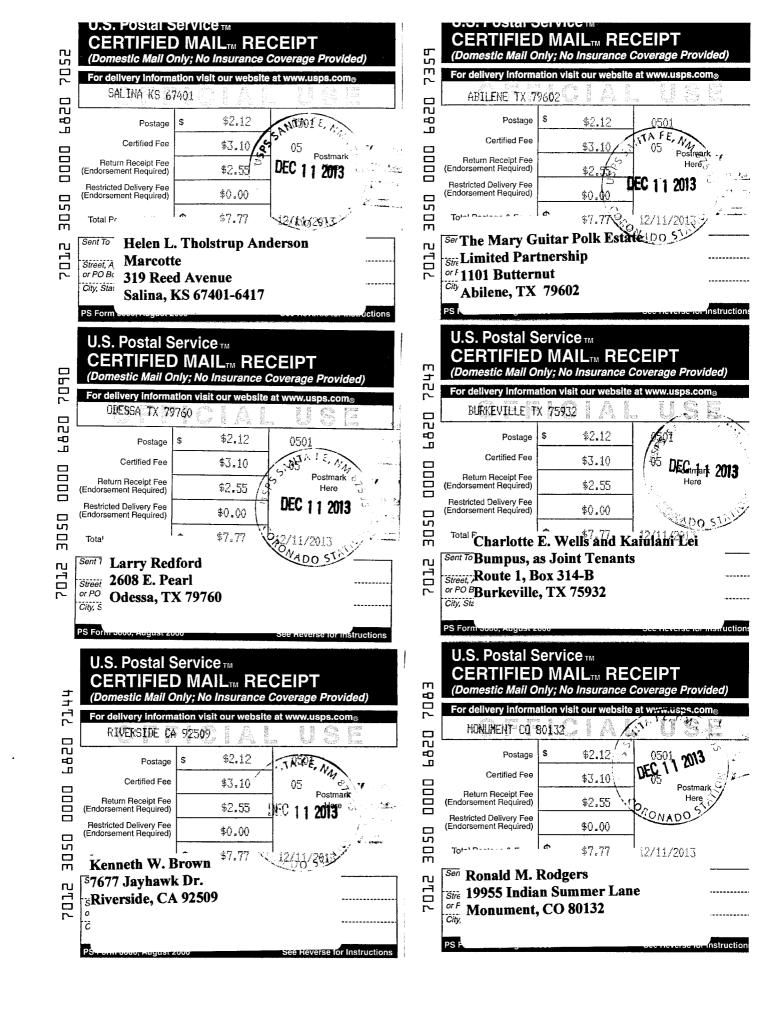


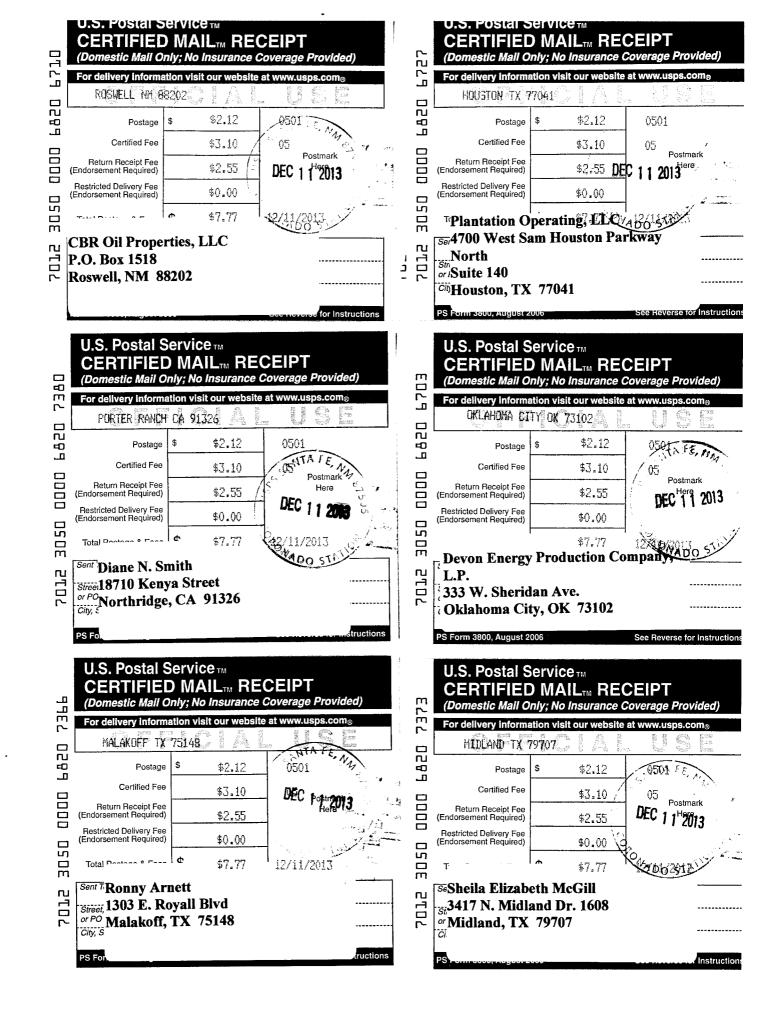


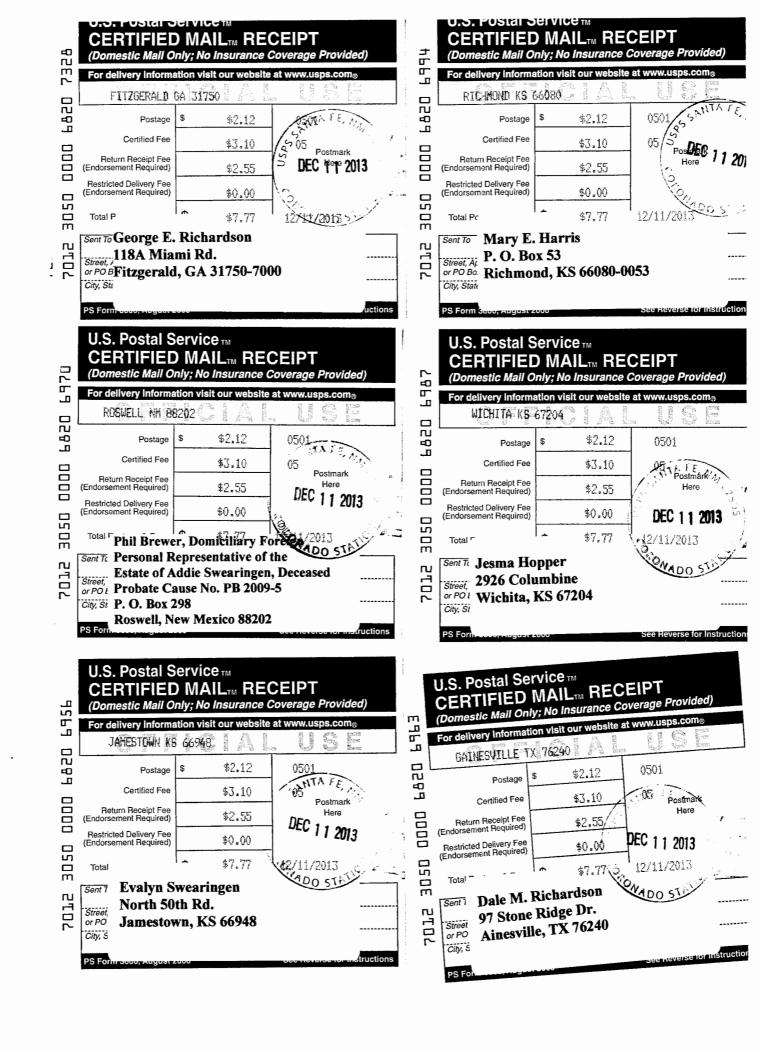














#### CERTIFIED MAIL RECEIPT **586**4 (Domestic Mail Only; No Insurance Coverage Provided) For delivery information visit our website at www.usps.come DALLAS TX 75201 6820 Postage \$ \$2,12 Certified Fee \$3.10 Return Receipt Fee (Endorsement Required) \$2,55 Restricted Delivery Fee (Endorsement Required) \$0.00 3050 🐝.77 Total Po Sent To Holly Energy, Inc. 7012 2600 Diamond Shamrock Tower or PO Bo: 717 North Harwood City, State Dallas, TX 75201 PS Form 3

## Goetze, Phillip, EMNRD

From: David Catanach < drcatanach@netscape.com>

Sent: Thursday, December 19, 2013 8:25 AM

To:Goetze, Phillip, EMNRDSubject:RE: RKI LVP SWD No. 1Attachments:Mail Receipt.pdf

.....

Thanks Phillip,

Attached is mail receipt.

If I don't see you, Hope you and your family have a Merry Christmas.

### David

--- Phillip.Goetze@state.nm.us wrote:

From: "Goetze, Phillip, EMNRD" < Phillip.Goetze@state.nm.us > To: "drcatanach@netscape.com" < drcatanach@netscape.com >

Subject: RE: RKI LVP SWD No. 1

Date: Thu, 19 Dec 2013 15:05:45 +0000

The "smaller" applications have been lost in the mill over the last month. It's good to remind the Bureau that other folks have applications in waiting. And Jamie did not leave any signature authority, but I am using the hiatus to process all the injection/IPI applications with the intent of being ready for signature on December 31 when she returns. With regards to the Peggy Sue Lawson notification, I believe the USPS provided you with a receipt for the purchase of sending the priority mail to Europe. If you still have it, send me a copy for to attach to the C108 as part of the record. Thanks. PRG

Phillip R. Goetze, P.G.

Engineering and Geological Services Bureau, Oil Conservation Division

1220 South St. Francis Dr., Santa Fe, NM 87505

O: 505.476.3466 F: 505.476.3462

**From:** David Catanach [mailto:drcatanach@netscape.com]

Sent: Thursday, December 19, 2013 7:01 AM

**To:** Goetze, Phillip, EMNRD **Subject:** RKI LVP SWD No. 1

Phillip,
Thanks for getting the Celero IPI orders done.
Attached is a new publication notice for the SWD application I filed for RKI Exploration & Production, LLC. As you may recall, I had to provide notice to a gal at an air force base in Germany, but I had a bad zip code. Well, I re-ran the publication notice specific to this gal, Peggy Sue Lawson.
After I had done that, RKI provided me with a good zip code and I went ahead and mailed her a copy of the application. I did not send it certified, because you cannot do certified out of the country. I also did not do it registered, because that takes 6 weeks. I sent it priority mail, which takes 6-10 days, and consequently, I have no proof of mailing.
Anyway, I think this should take care of her.
Thanks,
David
Netscape. Just the Net You Need.
Netscape. Just the Net You Need.

OF STATE OF THE ST

VILLA LINDA POSTAL STORE SANTA FE, New Mexico 875079211 3401500507-0098

12/16/2013 (505)471-0652 10:35:21 AM

Sales Receipt
Product Sale Unit Final
Description Qty Price Price

## ~ APO AE 09005 Zone-7 \$6.45
Priority Mail

6.80-6Z

Label #:9114901159815314609340
The origin and/or destination
ZIP Code supplied is an
APO/FPO/DPO ZIP code. Service
standards, except for Priority
Mail Express, to this location
are not available at this time.

Includes \$50 insurance

Issue PVI: \$6.45

----

Total: \$6.45

Paid by:

Debit Card \$6.45 Account #: XXXXXXXXXXXXXX329

Approval #: 226783

Transaction #: 977

23902813336

Receipt#: 005327

@@ For tracking or inquiries go to USPS.com or call 1-800-222-1811.

^ Save this receipt as evidence of insurance. For information on filing an insurance claim go to usps.com/ship/file-domestic-claims.htm

## **Affidavit of Publication**

NO.	22810					
STATE OF NEW MEXICO						
County of Eddy:	f					
Danny Scott A Anny	Scat					
being duly sworn, says that he is th	e Publisher					
of the Artesia Daily Press, a daily n	ewspaper of general					
circulation, published in English at Artesia, said county						
and state, and that the hereto attac	hed					
Legal No	tice					
was published in a regular and ent	ire issue of the said					
Artesia Daily Press, a daily newspa	aper duly qualified					
for that purpose within the meaning	of Chapter 167 of					
the 1937 Session Laws of the stat	e of New Mexico for					
Consecutive weeks/d	ays on the same					
day as follows:						
First Publication Decem	ber 13, 2013					
Second Publication						
Third Publication						
Fourth Publication						
Fifth Publication						
Subscribed and sworn to before m	e this					
13th day of Dec	ember 2013					
OFFICIAL SEAL Latisha Romine NOTARY PUBLIC-STATE OF NEW MEXICO						
My commission exp	ires: 111000					

Latisha Romine

Notary Public, Eddy County, New Mexico

# Copy of Publication:

### LEGAL NOTICE

#### TO: Peggy Sue Lawson All Other Interested Parties

RKI Exploration & Production, LLC, 210 Park Avenue, Suite 900, Oklahoma City, Oklahoma 73102 has filed a Form C-108 (Application for Authorization to Inject) with the Oil Conservation Division ("Division") seeking administrative approval to utilize its LVP SWD Well No. 1 (API No. N/A) to be drilled 2100 feet from the South line and 385 feet from the East line (Unit I) of Section 4, Township 23 South, Range 28 East, NMPM, Eddy County, New Mexico as a produced water disposal well in the Delaware formation. Injection is to occur through the perforated interval from approximately 3,400 feet to 4,650 feet.

Produced water from the Delaware and Bone Spring formations originating from RKI Exploration & Production, LLC operated wells in this area will be injected into the LVP SWD No. 1 at average and maximum rates of 5,000 and 10,000 barrels of water per day, respectively. The initial surface injection pressure for the well is anticipated to be at or below 680 psl., which is in compliance with Division regulations. The maximum surface injection pressure will be determined by a step rate injection test.

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 Mr. David Catanach Agent-RKI Exploration & Production, LLC at (505) 690-9453.

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AE HEPA		12/11	[E-mai	1/Applicant/R	eccepts for Notice  Suspended: [Ver 12]	
PERMIT TYPE: WF	X/PMX/SWD No	umber: <u>1457</u> Permi	t Date:	Legacy Permit	s/Orders: N1	
Well No Well Name(s	s):LVP SWO					
API: 30-015-Pending	Spud Da	te:TBDN	lew or Old: _	New (UIC Class II I	Primacy 03/07/1982)	
Footages 2100 FSL 38	5 FEL Lot	or Unit I Sec 4	Tsp _23	35 Rge 28E	County Eddy	
General Location: North of Ros	. River 2m; N	laf Lovina Pool: E	losest: Lo	vina Brushin Con	Pool No.:	
BLM 100K Map: Curlsbad						
		•				
COMPLIANCE RULE 5.9: Inactive W WELL FILE REVIEWED  Current	/ells: l ota	ADi - a a wall Da	Swell	Compi. Order?_I	650'; BS: 6073	
WELL FILE REVIEWED Current	Status: No F	171-110 West file	F MC:	9400 probs f	Fon C-105	
WELL DIAGRAMS: NEW: Proposed	or RE-ENTER:	Before Conv. After Co	onv. O Lo	ogs in Imaging:	Svite: ada	
Planned Rehab Work to Well: None	e new well	/possible acidi	zing	following Com	pletin	
Well Construction Details:	Sizes (in) Borehole / Pipe	Setting Depths (ft)		Cement Sx)or Cf	Cement Top and Determination Method	
Plannedor ExistingConductor			Stage			
Planned Lor Existing _Surface	12/4/95/8	0 to 450	Tool	225	Circ to surf	
Planned or Existing Interm Prod	83/4/7	0 to 4700	NA	790	Circ. to suff	
Planned_or Existing _ Prod/Interm				77	V	
Planned_or_ExistingLiner/Prod		-	-			
Planned Vor Existing Of PERP	83/4/7	3,400 60 4,650	Inj Length	Completion	/Operation Details:	
Injection Stratigraphic Units:	Depths (ft)	Injection or Confining Units	Tops?	Drilled TD		
Adjacent Unit: Litho. Struc. Por.		Lomir			_ NEW PBTD <u>4700</u>	
Confining Unit Litho Struc. Por.	+500	Bell Courgen	2900	NEW Open Hole	or NEW Perfs	
Proposed Inj Interval TOP:		Bell Caryol Fm	2900CE	Gubing Size 1/2	in. Inter Coated? <u>YeS</u>	
Proposed Inj Interval BOTTOM:			3890		epth <u>3350</u> ft <u>3300</u> (100-ft limit)	
Confining Unit: Litho. Struc. Por.  Adjacent Unit Litho Struc. Por.	# 1400' 7 10p BS 3.	Brisky Chyon F	16073	Proposed Max. Surf		
Adjacent only Line, Struc. Por.		Bore JSprid	0607.27	Admin. Inj. Press		
	77 - 14 A B B B B B B B B B B B B B B B B B B		JA			
POTASH: R-111-P Nonticed? No	<u>つ</u> BLM Sec Ord これ スールー	WIPP W Noticed? N	M_ SALA	DO: T: 201 B: 019	CLIFF HOUSE NA	
FRESH WATER: Formation CNOT PECO AND THE PROPERTY OF THE PROPE	Max Depth Sedrock	JOS Wells? (1) FW Analysis	Analysis( <b>)</b> ? Yes	Op <del>Lea</del> se. ○ Operate	or Only (v) or Commercial (	
Disposal Interval: Inject Rate (Avg/		<b>^1</b>		PAPITAN I	REEF: thru () adj () NA ()	
HC Potential: Producing Interval?			2017/17/17	$\pi$ CD. $\sim$ CUMPOSC. $-$ CL	2-Mile Fladius Pool Map	
AOR Wells: 1/2-M Radius Map?_	Yes Well List?	Total No. Wells Po	enetrating Ir	nterval: H	orizontals?	
Penetrating Wells: No. Active Wel	Num Repair	s? $\cancel{\phi}$ on which well(s)?_	_ Şwr	5-1280	Diagrams?_Yes	
Penetrating Wells: No. P&A Wells	Num Repairs?	on which well(s)?	(7,070	7,301)	Diagrams?	
NOTICE: Newspaper Date 12 13 13 Mineral Owner PVt (Kody) 7 Surface Owner Pvt Cody N. Date 12 11 13						
RULE 26.7(A): Identified Tracts?	Affected Per	rsons: 78 notaticat	uons [s	ee attachmu	N. Date   2   11   12	
Permit Conditions:   Issues:_	HC P		table u	aters	17/1/2/12	
Add Permit Cond: Mudlog	- X - 1 -	( Calculation)			12/16/13	

PS Law sol

