DATEIN	115108	E WITCHER SCALS 9116108 TYPE WD PKURC	1826031898
		ABOVE THIS LINE FOR DIVISION USE ONLY ABOVE THIS LINE FOR DIVISION USE ONLY NEW MEXICO OIL CONSERVATION DIVISION - Engineering Bureau - 1220 South St. Francis Drive, Santa Fe, NM 87505	
		ADMINISTRATIVE APPLICATION CHECKLIST	5WD-1145
	ation Acronym [NSL-Non-Stai [DHC-Dowi [PC-Po	ANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES A WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE s: adard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dec bole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Comm of Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurem [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase] [Ified Enhanced Oil Recovery Certification] [PPR-Positive Production Res	SRC STATE IT dication] ningling] ient]
[1]	[A]	PLICATION - Check Those Which Apply for [A]         Location - Spacing Unit - Simultaneous Dedication         NSL       NSP         SD         One Only for [B] or [C]         Commingling - Storage - Measurement         DHC       CTB         PLC       PC         OLS       OLM         Injection - Disposal - Pressure Increase - Enhanced Oil Recovery         WFX       PMX         SWD       IPI         EOR       PPR         Other: Specify	MECEIVED MISEP15 PN 2 40
[2]	NOTIFICAT [A] [B] [C] [D] [E] [F]	<ul> <li>ION REQUIRED TO: - Check Those Which Apply, or          Does Not Apply         Working, Royalty or Overriding Royalty Interest Owners         Softeet Operators, Leaseholders or Surface Owner         Application is One Which Requires Published Legal Notice         Notification and/or Concurrent Approval by BLM or SLO         U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office         For all of the above, Proof of Notification or Publication is Attached, a         Waivers are Attached         </li> </ul>	nd/or,
[3]		CURATE AND COMPLETE INFORMATION REQUIRED TO PROC TION INDICATED ABOVE.	ESS THE TYPE

[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 wi	ith managerial and/or supervisory capacity.	
Pat McCollom	toll	Drilling & Operations Mgr.	8/14/08
Print or Type Name	Signature	Title	Date

Print or Type Name

Signature

pmccollom@rkixp.com e-mail Address neostone\_consultant@excite.com (agent) Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, New Mexico 87505

### **APPLICATION FOR AUTHORIZATION TO INJECT**

- I. PURPOSE: Salt Water Disposal and the application gualifies for administrative approval.
- II.
   OPERATOR:
   RKI Exploration & Production, LLC

   ADDRESS:
   3817 NW Expressway, Suite 950, Oklahoma City, OK 73112

CONTACT PARTY: Pat McCollom (405) 949-2221 Agent: SOS Consulting, LLC – Ben Stone (903) 488-9850

COD Ortginal Stynatures

III. WELL DATA: All well data and wellbore diagrams are attached hereto.

### IV. This is not an expansion of an existing project.

- V. **A map is attached** 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. A tabulation is attached of data on all wells of public record within the area of review which penetrate the proposed injection zone. The data includes 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. The following data is attached 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. Appropriate geologic data on the injection zone is attached 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. No stimulation program is proposed at this time.
- \*X. There is no applicable logging and test data on the well however, any previous well logs have been filed with the Division and they need not be resubmitted.
- \*XI. There are no fresh water wells within one mile the proposed salt water disposal well.
- XII. An affirmative statement is attached that available geologic and engineering data has been examined and no evidence was found of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. "Proof of Notice" section on the next page of this form has been completed. There are no offset operators within ½ mile. The leaseholder, Lobos Energy Partners, LLC is a subsidiary of RKI.
- 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:	Pat McCollom	l Explorat	ion & Production
SIGNATURE	forthe	DATE:	9-10-08

- E-MAIL ADDRESS: pmccollom@rkixp.com Agent: SOS Consulting, LLC: neostone\_consultant@excite.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:

### Page 2

### III. WELL DATA - The following information and data is included:

- 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 pursuant to the following criteria is attached.

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 OVERVIEW STATEMENT**

Pursuant to the application submission guidelines of the New Mexico Oil Conservation Division engineering and legal staff, I hereby certify that the following conditions are true to the best of my knowledge.

- 1) RKI Exploration & Production is in full compliance with OCD Rule 40 concerning inactive wells.
- 2) The C-108 "Application for Authority to Inject" and pending approval of such is commensurate with OCD's mission to prevent waste of oil and gas resources, protect correlative rights and preserve the quality of underground sources of drinking water.
- 3) The proposed SWD will dispose of produced water from the Delaware and Bone Spring formations into the Delaware formation from approximately 4830 to 5403 feet (TVD). The maximum injection pressure will be 966 psi at a maximum rate of 4500 barrels per day.
- 4) Any required rights-of-way will be obtained prior to commencing injecting operations.
- 5) SOS Consulting, LLC prepared this application and is available if additional information is required. SOS has no further involvement other than in a consulting / agent capacity for this application.

Pat McCollom, Drilling and Operations Manager RKI Exploration & Production

# C-108 ITEM XII - GEOLOGIC AFFIRMATION

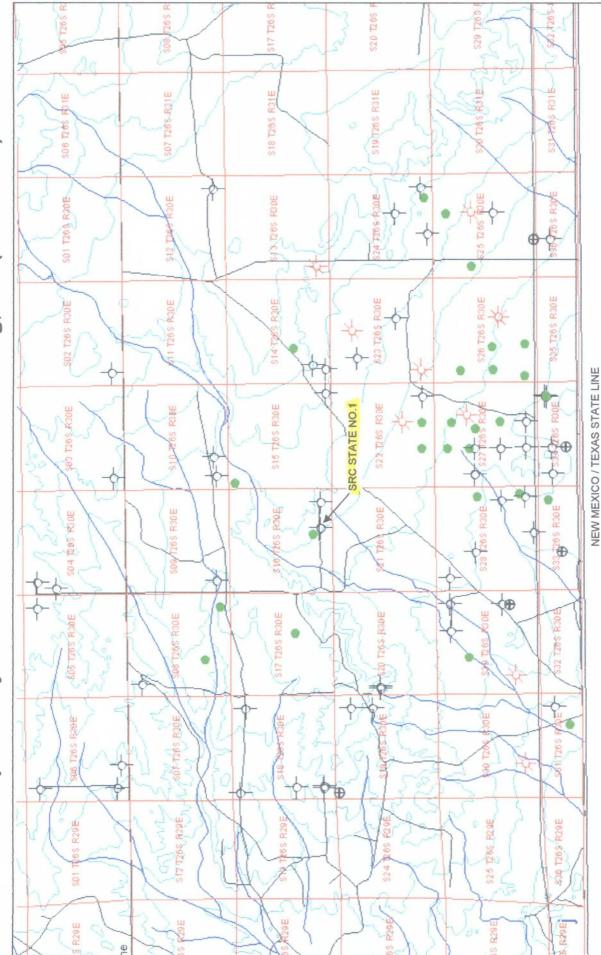
We have examined available geologic and engineering data and have found no evidence of open faults or other hydrologic connection between the disposal interval and any underground sources of drinking water.

Pat McCollom, Drilling and Operations Manager RKI Exploration & Production

# C-108 ITEM VII.4 - SOURCE AND ANALYSIS OF SUBJECT WATERS

Produced water will be gathered from adjacent RKI Exploration & Production wells producing from the Delaware and Bone Spring formations. These waters will be disposed into the Delaware formation in the proposed SWD.

Water analyses from regional wells are attached. One analysis is from the Ross Draw State Line System and is representative of Delaware waters in the area. The other analysis is of Bone Spring produced water and indicates that these waters are also reasonably compatible.



# Southeast of Loving, NM (~10 miles) Map of Subject Area -

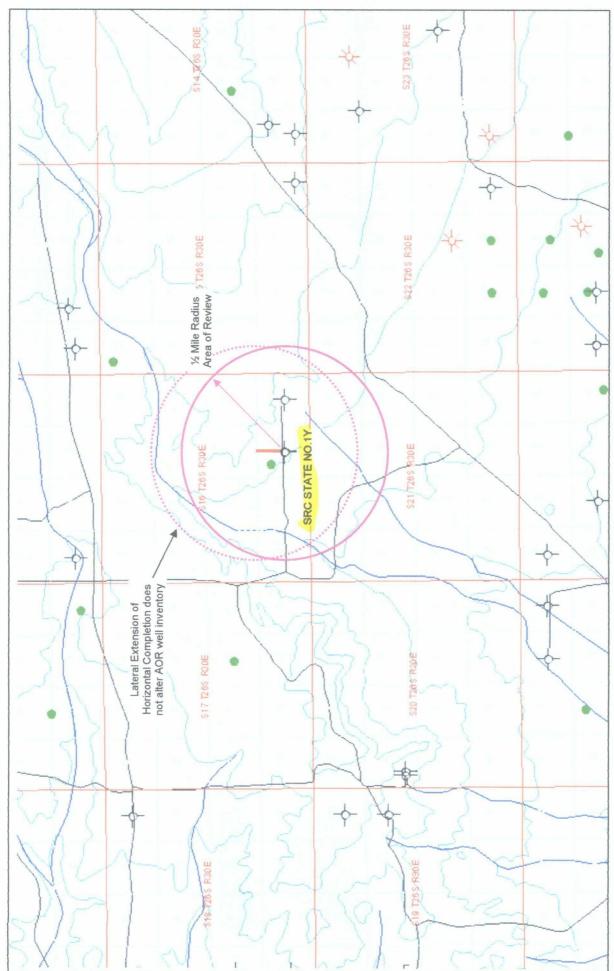
Well spots generated from RBDMS database with most current recordset provided by NMT Octane AllWells.mdb

GIS Map by Sylvan Ascent Drawn 7/31/2008 by Ben Stone, SOS Consulting, LLC For RKI Exploration & Production



C-108 - ITEM V

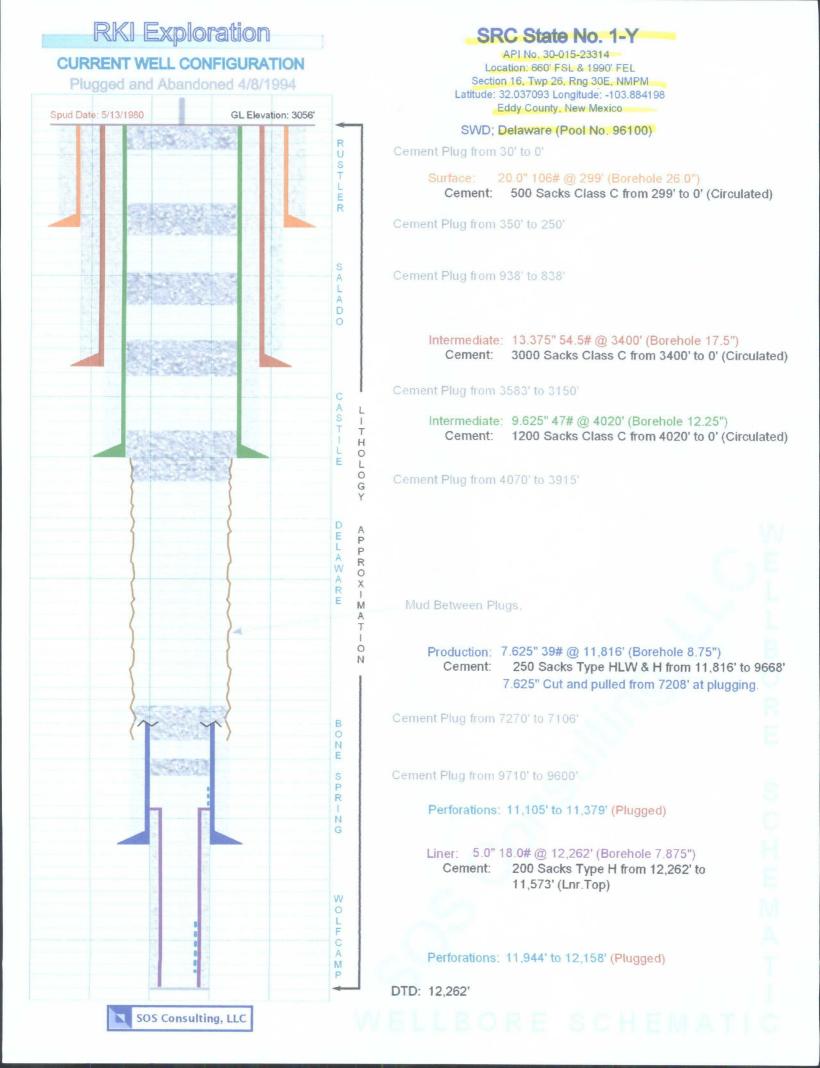




Well spots generated from RBDMS database with most current recordset provided by NMT Octane AllWells.mdb

N SOS Consulting, LLC

GIS Map by Sylvan Ascent Drawn 7/31/2008 by Ben Stone, SOS Consulting, LLC For RKI Exploration & Production



# **RKI** Exploration

# **PROPOSED WELL CONFIGURATION** Salt Water Disposal - Horizontal Completion

Spud Date: 5/13/1980	$\otimes$	GL Elevation: 3056'		Eddy County
			R	SWD; Delaware (
			US	
			L	Formation: Rustler (Anhydri
			R	Surface:         20.0" 106# @ 29           Cement:         500 Sacks Cla
			SA	Formation: Salada (Ton - 99
			LAD	Formation: Salado (Top ~88
			0	Intermediate: 13.375" 54.5# Cement: 3000 Sacks Cl
			1 T	
		8	C O L O	Formation: Castile (Top ~32
			T G I Y E	Intermediate: 9.625" 47# @ Cement: 1200 Sacks Cl
			A P R	Casing/Tubing Annulus loa
14			DV	Formation: Delaware (Top ~
KOP ~4257' @ 10 deg/100';	XX		E I M A W	Tubing: 2.875" Plastic Packer: Options: 7" Pl
Azimuth 0 degrees			R	Horizontal Production: 7.0" 2 (Bore
			EN	Cement: 250 Sacks Cla
}				Contraction Contraction Contraction
7.625" Casing Cut	5007KB			HZ Completion: 5.0" 13.0#, J-55 1700' liner (Bor
Plug 7106' to 7270" from original plugging job			BONE	Formation: Bone Spring (Top
	2.92144U3		S P R	Production: 7.625" 39# @ 1 Cement: 250 Sacks Typ
			- N G	Perforations: 11,105' to 11,37
			w	Liner: 5.0" 18.0# @ 12,262' Cement: 200 Sacks Typ
			O L F	Formation: Wolfcamp (Top ~
			C A M	Perforations: 11,944' to 12,15
	11		P	DTD: 12,262'
I SC	S Consulti	ng, LLC		

# SRC State No. 1-Y

API No. 30-015-23314 Location: 660' FSL & 1990' FEL Section 16, Twp 26, Rng 30E, NMPM Latitude: 32.037093 Longitude: -103.884198 , New Mexico

Pool No. 96100)

te/Mix)

iss C from 299' to 0' (Circulated)

8' - Salt/Anhydrite Mix)

@ 3400' (Borehole 17.5") ass C from 3400' to 0' (Circulated)

200' - Anhydrite/Mix)

4020' (Borehole 12.25") ass C from 4020' to 0' (Circulated)

aded with Packer Fluid.

3533')

Coated @ 4200' KR @ ~4200' or 5.0" PKR @ ~5350

3.0# @ TVD 4830' / MD 5187' hole 8.25" to 5287')

ass C from 5187' to ~3500'

FJ slotted liner w/ 40 mesh slots ehole 6.125") /TVD 5403' / MD 6058'

p~7328')

1,816' (Borehole 8.75") pe HLW & H from 11,816' to 9668' (by CB

'9' (Plugged)

(Borehole 7.875") pe H from 12,262' to 11,573' (Lnr.Top)

10,530')

8' (Plugged)

# C-108 - ITEM VIV - PROOF OF PUBLICATION

### Affidavit Attached – Next Page.

who dewell?

### For publication in the Carlsbad Current-Argus.

### Submitted 8/8/2008

### Publish one time on earliest possible date.

Contact:

Ben Stone, SOS Consulting, LLC, P.O. Box 300 Como, Texas 75431 (903)488-9850. Email: neostone@consultant.com

LEGAL NOTICE

RKI Exploration & Production, 3817 NW Expressway, Suite 950, Oklahoma City, OK 73112 is filing Form C-108 (Application for Authority to Inject) with the New Mexico Oil Conservation Division for administrative approval for salt water disposal in its SRC State Well No.1. The well, API No.30-015-23314 is located 660 FSL & 1990 FEL in Section 16, Township 26 South, Range 36 East in Eddy County, New Mexico. Produced water from the Delaware and Bone Spring formations will be disposed into the Delaware formation utilizing a horizontal completion from approximately 4830 to 5403 feet (true vertical depth) and 5187 to 6058 feet (measured depth) at a maximum injection pressure of 966 psi and a maximum rate of 4500 barrels per day.

Interested parties wishing to object to the proposed application must file with the New Mexico Oil Conservation Division, 1220 St. Francis Dr., Santa Fe, NM 87505, (505)476-3460 within 15 days of the date of this notice. Additional information may be obtained from RKI Exploration & Production (405)949-2221 or its agent, SOS Consulting, LLC, (903)488-9850.

### **Affidavit of Publication**

State of New Mexico, County of Eddy, ss.

Kathy McCarroll, being first duly sworn, on oath says:

That she is the Classified Supervisor of the Carlsbad Current-Argus, а 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:

August 13

2008

That the cost of publication is \$ **53.43** that Payment Thereof has been made and will be assessed as court costs.

Ů

Subscribed and sworn to before me this

KIth day of H My commission Expires on 2010

Notary Public

OFFICIAL SEAL STEPHANIE DOBSON **Notary Public** State of New Mexico My Comm. Expired 125 2740 

August 13, 2008 RKI Exploration & Production, 3817 NW Expressway; Suite 950, Oktahoma City, OK 73112 is filling Form C-108. (Applic ation for Authority, to Inject) with, the New Mexico Oil Conserva tion Division; for ad ministrative approval for salt water disposal in its SRC State Well No.3Y. The well, API Mexico Diversion of the proposed applica thon must file with the New New Mexico Division, 1220 St. Francis Dr., Santa Fe, NM87505, (SOS)476-3460 within 15 days of the date of the proposed applica to the proposed applica thon must file with the State of the shallow of the date of the shallow of the date of the shallow of the date of the shallow

# C-108 ITEM XIII – PROOF OF NOTIFICATION INTERESTED PARTIES LIST

### SURFACE OWNER

State of New Mexico New Mexico State Land Office Oil & Gas Division P.O. Box 1148 Santa Fe, NM 87504

### MINERALS LESSEE

Lobos Energy Partners, LLC 3817 NW Expressway, Suite 950 OKC, OK 73112 (Subsidiary Interest of RKI Exploration & Production)

### **OFFSET MINERALS LESSEES**

OXY USA, Inc. 5 Greenway Plaza, Suite 110 Houston, TX 77046-0521

POGO Producing Company P.O. Box 2504 Houston, TX 77252-2504

EOG Resources, Inc. PO BOX 4362 Houston, TX 77210-4362

Costilla Energy P.O. Box 10369 Midland, TX 79702

Dominion OK TX Exploration & Production, Inc. 14000 Quail Springs Parkway, Suite 600 Oklahoma City, OK 73134

ICA Energy, Inc. P.O. Box 233 Odessa, TX 79760-0233

K P Acquisition Corp. 2040 Murray Holladay Salt Lake City, UT 84117

Charlotte Williamson P.O. Box 50410 Austin, TX 78763 J.C. Williamson P.O. Box 16 Midland, TX 79701

Ralph E. Williamson P.O. Box 994 Midland, TX 79702

### REGULATORY

New Mexico Oil Conservation Division 1301 W. Grand Avenue Artesia, NM 88210 August 12, 2008

# **NOTIFICATION TO INTERESTED PARTIES**

To Whom It May Concern:

RKI Exploration & Production, Oklahoma City, OK has made application to the New Mexico Oil Conservation Division to convert its SRC State No.1Y for the purpose of salt water disposal.

Following is the notice as published in the Carlsbad Current Argus, Carlsbad, New Mexico on Wednesday, August 13, 2008.

LEGAL NOTICE

RKI Exploration & Production, 3817 NW Expressway, Suite 950, Oklahoma City, OK 73112 is filing Form C-108 (Application for Authority to Inject) with the New Mexico Oil Conservation Division for administrative approval for salt water disposal in its SRC State Well No.1Y. The well, API No.30-015-23314 is located 660 FSL & 1990 FEL in Section 16, Township 26 South, Range 36 East in Eddy County, New Mexico. Produced water from the Delaware and Bone Spring formations will be disposed into the Delaware formation utilizing a horizontal completion from approximately 4830 to 5403 feet (true vertical depth) and 5187 to 6058 feet (measured depth) at a maximum injection pressure of 966 psi and a maximum rate of 4500 barrels per day.

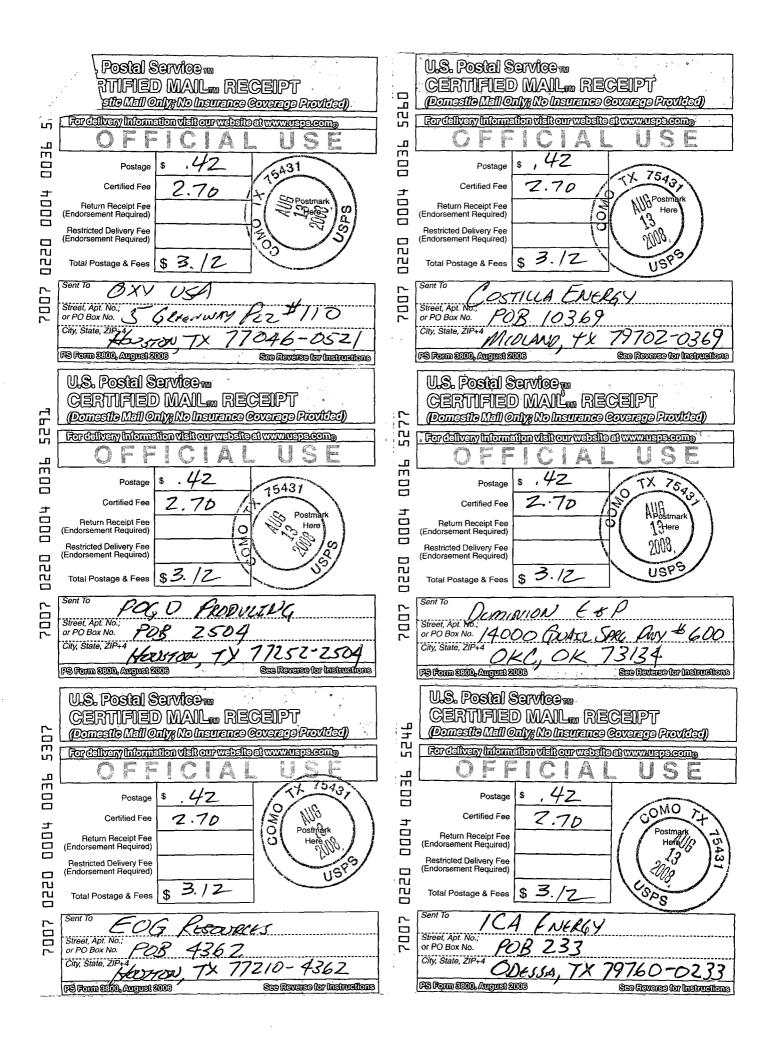
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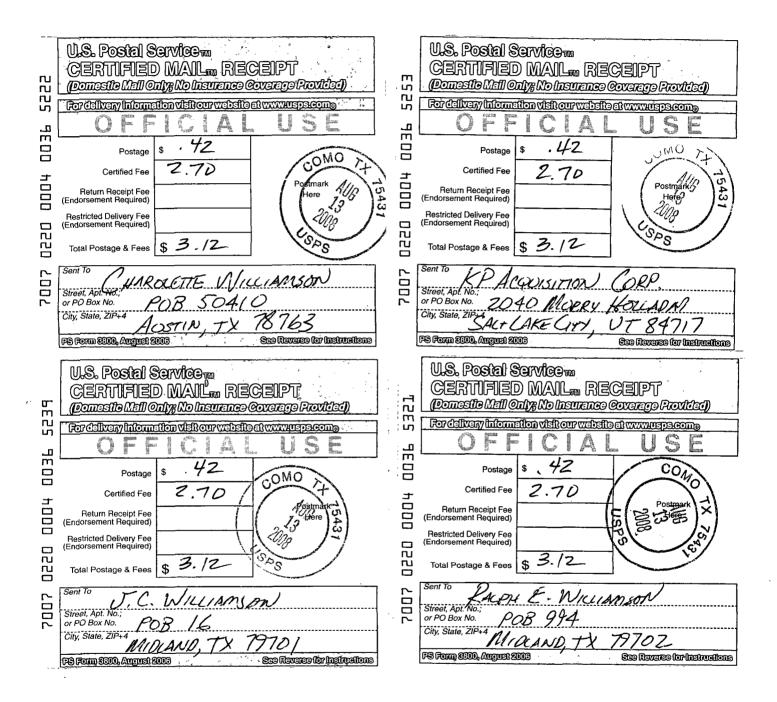
Thank you for your attention in this matter.

Regards,

Ben Stone, SOS Consulting, LLC Agent for RKI Exploration & Production

Cc: Application File





GIL	5108 suspe	NGE WSONES 9110108 SWD PKURC	182603188
	<u></u>	ABOVE THIS LINE FOR DIVISION USE ONLY	
		NEW MEXICO OIL CONSERVATION DIVISION - Engineering Bureau - 1220 South St. Francis Drive, Santa Fe, NM 87505	joper
,		ADMINISTRATIVE APPLICATION CHECKLIST	
	cation Acronyn [NSL-Non-Sta [DHC-Dow [PC-Po	MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AN WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE andard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Ded whole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Comm col Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurem [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Sait Water Disposal] [IPI-Injection Pressure Increase] alified Enhanced Oil Recovery Certification] [PPR-Positive Production Res	lication] singling] ent]
[1]	TYPE OF A	PPLICATION - Check Those Which Apply for [A]	
	[A] Chec [B] [C]	Location - Spacing Unit - Simultaneous Dedication          NSL       NSP       SD         k One Only for [B] or [C]       Commingling - Storage - Measurement         DHC       CTB       PLC       PC       OLS       OLM         Injection - Disposal - Pressure Increase - Enhanced Oil Recovery       WFX       PMX       X       SWD       IPI       EOR       PPR	2008 SEP 15 PM
	{D}	Other: Specify	2 5
[2]	NOTIFICAT [A]	<b>FION REQUIRED TO: -</b> Check Those Which Apply, or  Does Not Apply Working, Royalty or Overriding Royalty Interest Owners	
	[B]	X Offset Operators, Leaseholders or Surface Owner	
	[C]	X 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	nd/or,
	[F]	Waivers are Attached	
[3]		CCURATE AND COMPLETE INFORMATION REQUIRED TO PROCI ATION INDICATED ABOVE.	ESS THE TYPE

[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 natifications are submitted to the Division.

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

Pat McCollom	pull	Drilling & Operations Mgr.	8/14/08
Print or Type Name	Signature	Title	Date
		pmccollom@rkixp.com	
		e-mail Address neostone consultant@excite.com	m (agent)

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

### **APPLICATION FOR AUTHORIZATION TO INJECT**

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   ADDRESS:
   3817 NW Expressway, Suite 950, Oklahoma City, OK 73112

CONTACT PARTY: Pat McCollom (405) 949-2221 Agent: SOS Consulting, LLC – Ben Stone (903) 488-9850



III. WELL DATA: All well data and applicable wellbore diagrams are attached hereto.

### IV. This is not an expansion of an existing project.

- V. **A map is attached** 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.
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- IX. No stimulation program is proposed at this time.
- \*X. There is no applicable logging and test data on the well however, any previous well logs have been filed with the Division and they need not be resubmitted.
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- XII. An affirmative statement is attached that available geologic and engineering data has been examined and no evidence was found of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. "Proof of Notice" section on the next page of this form has been completed. There are no offset operators within ½ mile. The leaseholder, Lobos Energy Partners, LLC is a subsidiary of RKI.
- 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:	Pat McCollom	KI Explora	tion & Production
SIGNATURE		DATE:	9-10-08

- E-MAIL ADDRESS: pmccollom@rkixp.com Agent: SOS Consulting, LLC: neostone\_consultant@excite.com
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Ortsinal signatures

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- \*X. There is no applicable logging and test data on the well however, any previous well logs have been filed with the Division and they need not be resubmitted.
- \*XI. There are no fresh water wells within one mile the proposed salt water disposal well.
- XII. An affirmative statement is attached that available geologic and engineering data has been examined and no evidence was found of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. "Proof of Notice" section on the next page of this form has been completed. There are no offset operators within ½ mile. The leaseholder, Lobos Energy Partners, LLC is a subsidiary of RKI.
- 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:	Pat McCollom	THE Drilling and Open	ations Manager, RKI Exploration & Production
SIGNATURE	:	10 Ale	DATE:

- E-MAIL ADDRESS: pmccollom@rkixp.com Agent: SOS Consulting, LLC: neostone\_consultant@excite.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:

# **C-108 APPLICATION OVERVIEW STATEMENT**

Pursuant to the application submission guidelines of the New Mexico Oil Conservation Division engineering and legal staff, I hereby certify that the following conditions are true to the best of my knowledge.

- 1) RKI Exploration & Production is in full compliance with OCD Rule 40 concerning inactive wells.
- 2) The C-108 "Application for Authority to Inject" and pending approval of such is commensurate with OCD's mission to prevent waste of oil and gas resources, protect correlative rights and preserve the quality of underground sources of drinking water.
- 3) The proposed SWD will dispose of produced water from the Delaware and Bone Spring formations into the Delaware formation from approximately 4830 to 5403 feet (TVD). The maximum injection pressure will be 966 psi at a maximum rate of 4500 barrels per day.
- 4) Any required rights-of-way will be obtained prior to commencing injecting operations.
- 5) SOS Consulting, LLC prepared this application and is available if additional information is required. SOS has no further involvement other than in a consulting / agent capacity for this application.

Pat McCollom, Drilling and Operations Manager RKI Exploration & Production

# C-108 ITEM XII – GEOLOGIC AFFIRMATION

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We have examined available geologic and engineering data and have found no evidence of open faults or other hydrologic connection between the disposal interval and any underground sources of drinking water.

Pat McCollom, Drilling and Operations Manager RKI Exploration & Production

# C-108 ITEM VII.4 - SOURCE AND ANALYSIS OF SUBJECT WATERS

Produced water will be gathered from adjacent RKI Exploration & Production wells producing from the Delaware and Bone Spring formations. These waters will be disposed into the Delaware formation in the proposed SWD.

Water analyses from regional wells are attached. One analysis is from the Ross Draw State Line System and is representative of Delaware waters in the area. The other analysis is of Bone Spring produced water and indicates that these waters are also reasonably compatible.

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DRESSER TITAN DIVISION, DRESSER INDUSTRIES, INC. P.O. BOX 1407, HOUSTON, TEXAS 77001 713/972-6011

\* LAB REF. NO.

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EXHIBIT D-1

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# HALLIBURTON

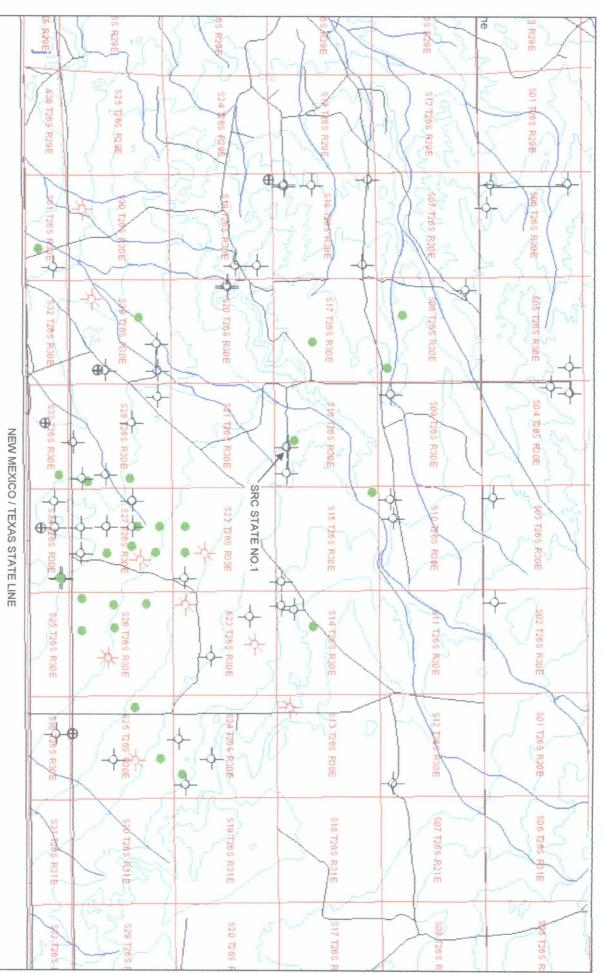
# CENTRAL OPERATIONS LABORATORY WATER ANALYSIS REPORT HOBBS, NEW MEXICO

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Well spots generated from RBDMS database with most current recordset provided by NMT Octane AllWells.mdb

SOS Consulting, LLC

GIS Map by Sylvan Ascent Drawn 7/31/2008 by Ben Stone, SOS Consulting, LLC For RKI Exploration & Production

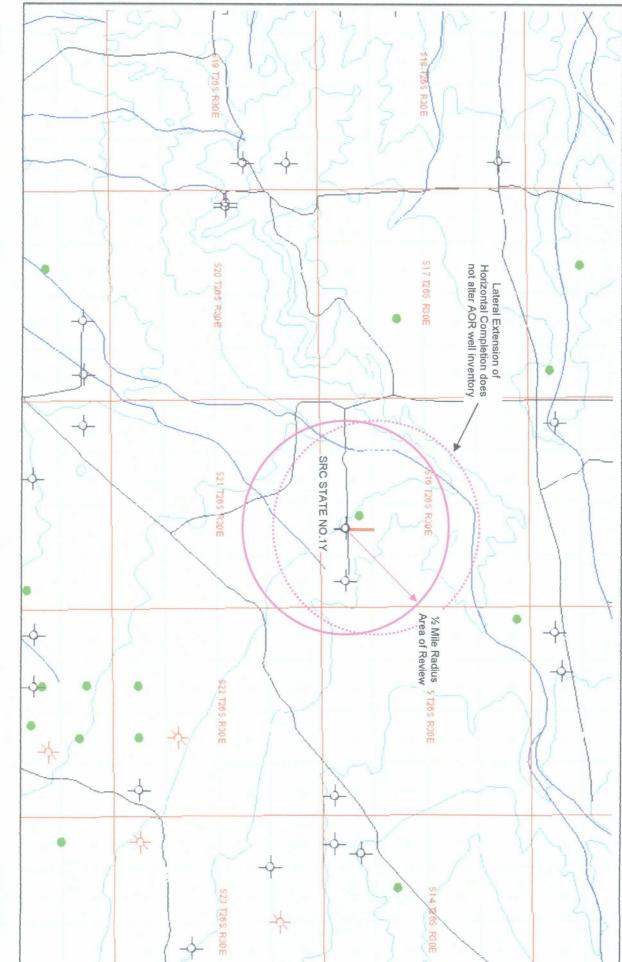


Map of Subject Area – Southeast of Loving, NM (~10 miles)

C-108 - Item V

C-108 - ITEM V

SRC State No.1Y – Area of Review



GIS Map by Sylvan Ascent Drawn 7/31/2008 by Ben Stone, SOS Consulting, LLC For RKI Exploration & Production

Well spots generated from RBDMS database with most current recordset provided by NMT Octane AllWells.mdb

SOS Consulting, LLC

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C-108 ITEM VI - TABULATION OF WELLS PENETRATING INJECTION ZONE IN AOR

(Note: Tabulation shows all wells in AOR - \* Denotes wells actually penetrating zone.)

# SRC State No.1Y - Area of Review Well Data



RDX 16 001 No.001

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<b>API</b> Number	Well No.	Well No. Well Type Status Operator	Status	Operator	Sec Tw	9	Rng	Latitude	Longitude
30015360040000	001	0	с	<b>RKI EXPLORATION &amp; PRO</b>		16 26 S	30 E	32.03799780	30 E 32.03799780 -103.885233
Pipe, Borehole & Cement Data:	Cement Data:		Diameter	Top of String Bot. of String	Bot. of String	Sx Cmt.	Bot.	Bot. ofCrnt. T	Top of Cmt.
		HOL1	17.5	0	892	75		892	0
		SURF	13.375	0	268	75		892	o
l		HOL2	12.25	0	3519	1503		3519	0
		11	9.625	0	3519	1503		3519	0
		HOL3	7.875	0	7580	900	~ •	7581	0
		PROD	5.5	0	7580	900	-	7581	0
TATE No.001									

SRC ST.

			Pipe, Borehole & Cement Data.	30015232220000	API Number
			Cement Data:	001	Well No.
HOL2	SURF	HOL1		0	Well No. Well Type Status Operator
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0	0	0	Diameter Top of String Bot.of String	PRE-ONGARD WELL OPER	Operator
3397	300	300	Bot. of String	IELL OPER 16	Sec
2500	450	450	Sx Cmt.	26 S	Тмр
				30 E	Rng
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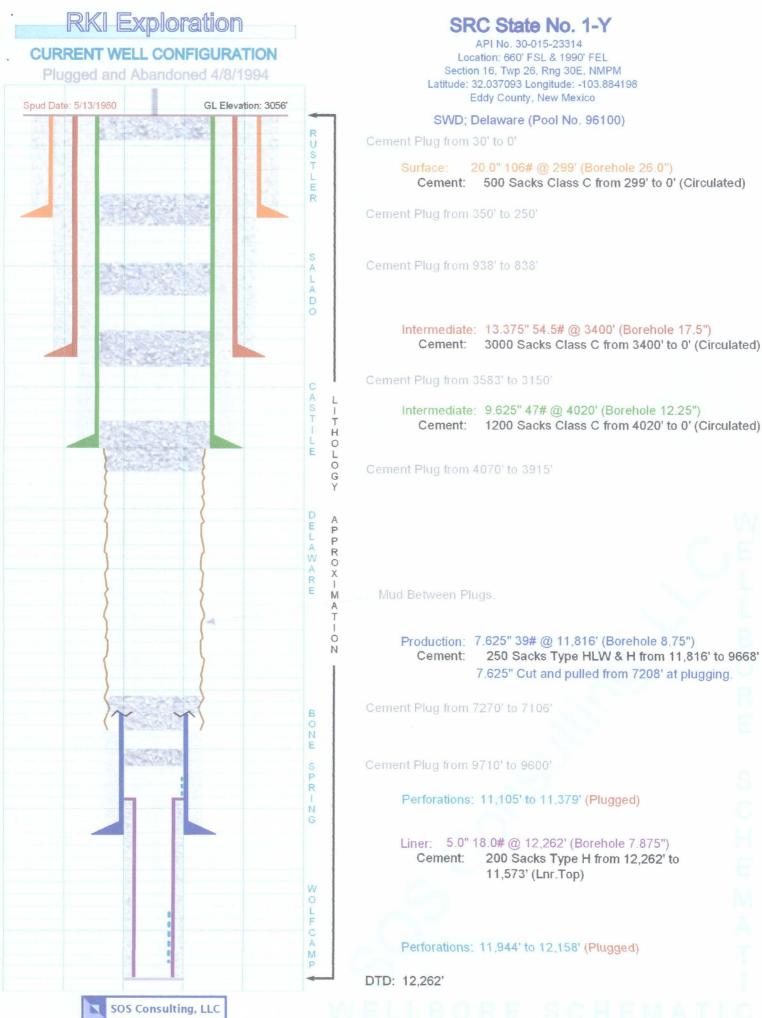
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Pipe, Borehole & Cement Data:	ement Data:		Diameter	Top of String	Bot. of String	Sx Cmt.	Bot.	Bot. ofCmt.	Top of Cmt.
		HOLI	26	٥	299	500		299	0
		SURF	20	0	299	500		299	0
	*	HOL2	17.5	29	3400	3000		3400	0
SUBJECT WELL	Ľ	Ш	13.375	0	3400	3000		3400	0
		HOL3	12.25	3400	4020	1200		4020	0
		12	9.625	0	4020	1200		4020	0
		HOL4	8.75	4020	11816	250		11816	9668
		PROD	7.625	0	11816	250	_	11816	9668
		HOL5	7.875	11816	12262	200		12262	11573
		LI	თ	11573	12262	200	<b>→</b>	12262	11573
STATE OF N.M. No.001									
API Number	Well No.	Well Type	Status	Operator	Sec	Тмр	Rng	Latitude	Longitude
30015047730000	001	0	ס	PRE-ONGARD WELL OPER	TELL OPER 16	26 S	30 E	32.037102	2 -103.879885
Pipe, Borehole & Cement Data:	ement Data:		Diameter	Top of String	Bot.of String	Sx Cmt.	Bot.	Bot. ofCmt. 1	Top of Cmt.
		HOL1	17.5	٥	330	300		330	o
		SURF	13.375	0	330	300		330	0
		PLG4	13.375	-	40	20		40	0
		PLG3	13.375	280	320	20		320	280
		PLG2	8.625	1950	1987	20		1987	1950
		PLGI	7.875	3507	3570	20	(2)	3570	3507

Monday, August 11, 2008

Page 2 of 2



RKI Exploration PROPOSED WELL CONFIGURATION Salt Water Disposal - Horizontal Completion Spud Date: 5/13/1980 SL Elevation: 3056'	SRC State No. 1-Y API No. 30-015-23314 Location: 660' FSL & 1990' FEL Section 16, Twp 26, Rng 30E, NMPM Latitude: 32.037093 Longitude: -103.884198 Eddy County, New Mexico SWD; Delaware (Pool No. 96100)
	Formation: Rustler (Anhydrite/Mix)         Surface:       20.0" 106# @ 299' (Borehole 26.0") Cement:         500 Sacks Class C from 299' to 0' (Circulated)         Formation:       Salado (Top ~888' - Salt/Anhydrite Mix)
KOP ~4257' @ 10 deg/100'; Azimuth 0 degrees	<ul> <li>Intermediate: 13.375" 54.5# @ 3400' (Borehole 17.5") Cement: 3000 Sacks Class C from 3400' to 0' (Circulated)</li> <li>Formation: Castile (Top ~3200' - Anhydrite/Mix)</li> <li>Intermediate: 9.625" 47# @ 4020' (Borehole 12.25") Cement: 1200 Sacks Class C from 4020' to 0' (Circulated)</li> <li>Casing/Tubing Annulus loaded with Packer Fluid.</li> <li>Formation: Delaware (Top ~3533') Tubing: 2.875" Plastic Coated @ 4200' Packer: Options: 7" PKR @ ~4200' or 5.0" PKR @ ~5350' Horizontal Production: 7.0" 23.0# @ TVD 4830' / MD 5187' (Borehole 8.25" to 5287') Cement: 250 Sacks Class C from 5187' to ~3500'</li> </ul>
7.625" Casing Cut @ 7208' and Cement Plug 7106' to 7270" from original plugging job	<ul> <li>HZ Completion: 5.0" 13.0#, J-55 FJ slotted liner w/ 40 mesh slots 1700' liner (Borehole 6.125") /TVD 5403' / MD 6058'</li> <li>Formation: Bone Spring (Top ~7328')</li> <li>Production: 7.625" 39# @ 11,816' (Borehole 8.75") Cement: 250 Sacks Type HLW &amp; H from 11,816' to 9668' (by CB</li> <li>Perforations: 11,105' to 11,379' (Plugged)</li> <li>Liner: 5.0" 18.0# @ 12,262' (Borehole 7.875") Cement: 200 Sacks Type H from 12,262' to 11,573' (Lnr.Top)</li> <li>Formation: Wolfcamp (Top ~10,530')</li> <li>Perforations: 11,944' to 12,158' (Plugged)</li> <li>DTD: 12,262'</li> </ul>

# C-108 - ITEM VIV - PROOF OF PUBLICATION

### Affidavit Attached – Next Page.

For publication in the Carlsbad Current-Argus.

### Submitted 8/8/2008

### Publish one time on earliest possible date.

Contact: Ben Stone, SOS Consulting, LLC, P.O. Box 300 Como, Texas 75431 (903)488-9850. Email: neostone@consultant.com

### LEGAL NOTICE

RKI Exploration & Production, 3817 NW Expressway, Suite 950, Oklahoma City, OK 73112 is filing Form C-108 (Application for Authority to Inject) with the New Mexico Oil Conservation Division for administrative approval for salt water disposal in its SRC State Well No.1. The well, API No.30-015-23314 is located 660 FSL & 1990 FEL in Section 16, Township 26 South, Range 36 East in Eddy County, New Mexico. Produced water from the Delaware and Bone Spring formations will be disposed into the Delaware formation utilizing a horizontal completion from approximately 4830 to 5403 feet (true vertical depth) and 5187 to 6058 feet (measured depth) at a maximum injection pressure of 966 psi and a maximum rate of 4500 barrels per day.

Interested parties wishing to object to the proposed application must file with the New Mexico Oil Conservation Division, 1220 St. Francis Dr., Santa Fe, NM 87505, (505)476-3460 within 15 days of the date of this notice. Additional information may be obtained from RKI Exploration & Production (405)949-2221 or its agent, SOS Consulting, LLC, (903)488-9850.

### **Affidavit of Publication**

State of New Mexico, County of Eddy, ss.

Kathy McCarroll, being first duly sworn, on oath says:

That she is the Classified Supervisor of the Carlsbad Current-Argus, а 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 gualified 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:

August 13

2008

That the cost of publication is \$ 53.43 that Payment Thereof has been made and will be assessed as court costs.

Subscribed and sworn to before me this

19th day of f My commission Expires on 21

Notary Public

OFFICIAL SEAL STEPHANIE DOBSON Notary Public Sigle of New Mexico My Comm. Expired 25/2010

August 12, 2008 RK1 Exploration & Production, 2817 NW Expressway, Suite 900 Oktahoma' Cthy, OK 73112 is filing Form C-108 (Applic ation for Authority, to Iniectio) with the New Mexico Oil Conserva tion, Division, for, ad ministrative approval for salt water disposal in its SRC State Well No.1%, The well, API No.30-015/2314 is lo Cated 660 FSL & 1990 FEL, In Section 16, Township 26, South, Range 36, East In Eddy, County, New Mexico: Produced water from the Dela ware and Bone Spring, formations will be dis pased into the Dela ware from the Dela ware formation, utiliz ing a harizantal, completion from approximately 4830 to 5403 feet (measureddepth) and 5187 to 4058 feet (measureddepth) of a maximum Infection pressure of 966 psi and a maximum rate of 4500 barrels per day. Interfested parties wishing to object to the New Mexico Oil Conservation. Division, 1220 St. Francis Dr. Sante Fe, NMAPS, (505)476-3460 within 15 days of the date off th 1 is, n of L ce. Additionall, Informa tion more babtaned from RKI Exploration 6. Pr o d u ct 1 a n (930)488-9850.

# C-108 ITEM XIII – PROOF OF NOTIFICATION INTERESTED PARTIES LIST

### SURFACE OWNER

State of New Mexico New Mexico State Land Office Oil & Gas Division P.O. Box 1148 Santa Fe, NM 87504

### MINERALS LESSEE

Lobos Energy Partners, LLC 3817 NW Expressway, Suite 950 OKC, OK 73112 (Subsidiary Interest of RKI Exploration & Production)

### **OFFSET MINERALS LESSEES**

OXY USA, Inc. 5 Greenway Plaza, Suite 110 Houston, TX 77046-0521

POGO Producing Company P.O. Box 2504 Houston, TX 77252-2504

EOG Resources, Inc. PO BOX 4362 Houston, TX 77210-4362

Costilla Energy P.O. Box 10369 Midland, TX 79702

Dominion OK TX Exploration & Production, Inc. 14000 Quail Springs Parkway, Suite 600 Oklahoma City, OK 73134

ICA Energy, Inc. P.O. Box 233 Odessa, TX 79760-0233

K P Acquisition Corp. 2040 Murray Holladay Salt Lake City, UT 84117

Charlotte Williamson P.O. Box 50410 Austin, TX 78763 J.C. Williamson P.O. Box 16 Midland, TX 79701

Ralph E. Williamson P.O. Box 994 Midland, TX 79702

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### REGULATORY

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

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August 12, 2008

# **NOTIFICATION TO INTERESTED PARTIES**

To Whom It May Concern:

RKI Exploration & Production, Oklahoma City, OK has made application to the New Mexico Oil Conservation Division to convert its SRC State No.1Y for the purpose of salt water disposal.

Following is the notice as published in the Carlsbad Current Argus, Carlsbad, New Mexico on Wednesday, August 13, 2008.

### LEGAL NOTICE

RKI Exploration & Production, 3817 NW Expressway, Suite 950, Oklahoma City, OK 73112 is filing Form C-108 (Application for Authority to Inject) with the New Mexico Oil Conservation Division for administrative approval for salt water disposal in its SRC State Well No.1Y. The well, API No.30-015-23314 is located 660 FSL & 1990 FEL in Section 16, Township 26 South, Range 36 East in Eddy County, New Mexico. Produced water from the Delaware and Bone Spring formations will be disposed into the Delaware formation utilizing a horizontal completion from approximately 4830 to 5403 feet (true vertical depth) and 5187 to 6058 feet (measured depth) at a maximum injection pressure of 966 psi and a maximum rate of 4500 barrels per day.

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Thank you for your attention in this matter.

Regards.

Ben Stone, SOS Consulting, LLC Agent for RKI Exploration & Production

Cc: Application File

U.S. Postal Service ... U.S. Postal Service CERTIFIED MAIL. RECEIPT CERTIFIED MAIL, RECEIPT (Domestic Mell Only; No Insurance Coverage Provided) (Domestic Mail Only: No insurance Coverage Provided) 526 ā rũ տ For Cellyany information visit our website at www.orgps.com For delivery information visit our vebsite at www.usps.com. 1947 1947 1947 12.8.2 N.S. N TI R 1.41 ت . . m m 42 6431 8 \$ Postage Postane . 75.(g) 2.70 2.7nCertified Fee **Certified Fee** 4000 ÷ Postr Postmark Return Receipt Fee (Endorsement Required) Return Receipt Fee (Endorsement Required) 173 Here Here 00 Ċ Ω. Restricted Delivery Fee (Endorsement Required) Restricted Delivery Fee (Endorsement Regulred) 0220 1.4 0220 3./Z IJŚ<sup>ę</sup> 3 2 \$ \$ Total Postage & Fees Total Postage & Fees Sent To Sent To 200, のメシ P OSTILLA ENERGY 00 Street, Apt. No.; Street, Apt. No. te. WAY POB 10369 or PO Box No. or PO Box No. City, State, Zif City, State, ZIP-MIDLAND. 74702-036 46-0SZ 48 PS Form 1200. August 2006 See Aburres for Instructions PS FORD 2020 August 2005 See Antere ter unstructions U.S. Postal Service U.S. Postal Service CERTIFIED MAIL. RECEIPT CERTIFIED MANL RECEIPT 5 (Domestic Mell Only; No Insurance Coverege Provided) r-(Domostic Mell Only: No Insurence Coverence Provided) 227 iu Ju For delivery information within our website at www.ueses.com For delivery information visit our website at www.rsps.comm 1 <u></u> 99 四十章 道 1 0 36 m 12 s.42 754 Postage \$ Postage 16431 2.70 2.70 Contified Fee Certified Fee 4000 æ Postmark Postmark Return Receipt Fee (Endorsement Required) ō Return Receipt Fee (Endorsement Required) Here Here 00 ંગ્રાણે Restricted Delivery Fee (Endorsement Required) 13 Restricted Delivery Fee (Endorsement Regulred) 0220 ñ 1158 \$3. 3.12 Zы Total Postage & Fees \$ Total Postage & Fees Sent To 5 7007 RODULIVC Deminion ESP Street Ant No. Street, Apt. M 14000 Buter SAR Day # 600 or PO Box No. or PO Box No. City, State, ZIP+4 City, Stale, ZIP 73134 1000 7252-2504 OK PS Ferrer 1899. August 2004 See Reverse ter trettractions PS Fann 1800). August 2003 See Reverse to bellevelies U.S. Postal Service U.S. Postal Service m CERTIFIED MAIL RECEIPT CERTIFIED MAIL RECEIPT 45 (Domestle Mell Only: No Insurance Coverage Provided) (Domestic Mell Only; No. Insurance Coverege Provided) CES Sad กับ For delivery intermetion visit our website at www.usps.com For delivery information vieti our website al www.usps.com. i7≇ Ii≓ 1.1.1 ine National H 6 1 Ĵ. <u>Ai</u> 1 0036 3 Щ Ш 42 00 42 \$ \$ Postage Postage indo". ONO Centified Fee 2.70 **Certified Fee** 7.70 4000 <u>\_\_\_</u> 0 Postman Postmark Return Receipt Fee (Endorsement Required) Return Receipt Fee (Endorsement Required) Hare  $\mathbb{C}_{\mathcal{F}}$ ૼૼૼૢૼૼૡ Restricted Delivery Fee (Endorsement Regulard) Restricted Delivery Fee (Endorsement Required) 0220 0220 3.12 Total Postage & Fees 3 \$ \$ Total Postage & Fees Sent To Sent To **r**- $\sim$ HRGY ESCORES 200. Street, Apt. No.; Street, Apt. No. or PO Box No. 436 Z or PCI Box No. City, State, ZIP+4 City, State. ZIP 77210-4362 7X 79760 Harrow ESSA: TX Sar Reverse for Instructions PS Farm 2000. August 2008 See Reverse for Instructions PS Poon IIIO, August 2008

