## NEW MEXICO OIL CONSERVATION DIVISION



- Engineering Bureau -1220 South St. Francis Drive, Santa Fe, NM 87505

	A	DMINISTRAT	VE APPLICA	ATION CHEC	CKLIST	*
THIS CHEC	KLIST IS MAN	DATORY FOR ALL ADMINIS	TRATIVE APPLICATIONS PROCESSING AT THE DIV			REGULATIONS
Application A	cronyms	WINOFINEGOINET	TOOLOGING AT THE DIV	IOIOIA EEVEE IIA OPAATIA		
[NSL-	Non-Stand HC-Downh [PC-Pool [W	Commingling] [OLS	CTB-Lease Commin 3 - Off-Leasé Storag sion] [PMX-Press Isposal] [IPI-Injec	gling] [PLC-Pool e] [OLM-Off-Lea ure Maintenance i tion Pressure incr	i/Lease Comming se Measurement Expansion] ease] roduction Respo	jling] ] nse]
[1] TYPE		LICATION - Check T Location - Spacing Uni NSL NSP	it - Simultaneous De		JOR JUA	, CTY
		ne Only for [B] or [C] Commingling - Storage DHC CTB		c □ ols □	OLM	
	[C] I [	njection - Disposal - P WFX PMX	ressure Increase - Er			
	[D] (	Other: Specify			<del></del>	
[2] <b>NOT</b> I	FICATIO [A] [	N REQUIRED TO: - Working, Royalty	Check Those Which or Overriding Royal			ti i kalipita sala Lih
	[B] [	Offset Operators, I	easeholders or Surf	ace Owner		
	[C] [	Application is One	Which Requires Pu	blished Legal Notic	<b>e</b>	at it is a second
ting a wind on Line of the	[D] [	Notification and/or U.S. Bureau of Land Manage	Concurrent Approvment - Commissioner of Public	al by BLM or SLO Lands, State Land Office		
t Nath Cart	[E] [	For all of the above	e, Proof of Notificati	on or Publication is	Attached, and/or	<b>r,</b>
	[F] [	Waivers are Attach	ed	1.44	•	• : .
[3] SUBM OF AP	IT ACCU PPLICATI	RATE AND COMPL ON INDICATED AB	ETE INFORMAT OVE.	ION REQUIRED	TO PROCESS	THE TYPE
ipproval is acci	urate and o	ON: I hereby certify the complete to the best of red information and no	my knowledge. I al	so understand that	no action will be	ninistrative taken on this
	Note: Sta	tement must be completed	d by an individual with n	nanagerial and/or supe	rvisory capacity.	
Print or Type Nar	ne	Signature		Title	:	Date
				e-mail Address		

## 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. SWD Morrison, Bluff, Entrada, 96162
  - (2) The injection interval and whether it is perforated or open-hole. **Initially perforated Entrada moving up hole as maximum operating pressure in an interval is reached.** Precise injection interval to be determined after logging.
  - (3) State if the well was drilled for injection or, if not, the original purpose of the well. Drilled as injection 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. **Not applicable**
  - (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. **Higher Dakota Sandstone**, approx. 7000'; Lower Paradox Formation, not currently produced, approx. 12000'

## XIV. PROOF OF NOTICE

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

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

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

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

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





## P D BDX 1621 AZTEC, NM 87410 (CD)970-259-3934 (NM) 505-334-1765 505-334-5157 (FAX)

	To: M72 /	William V. JONE	S EMNRD	Fax: 505 - 47	76-3462
	From: Jac	R. Williams		Date: 10/2	7/05
		vest for Infor	enation	Pages:	
	CC:				
	☐ Urgent	For Your Review	☐ Please Comment	☐ Please Reply	☐ Please Recycle
	6006	Afternoon	s Sir,		
1)			•	- water Sav	uples in my
	PERMI	it applica	tion.		
2)	Inter	val speci	fics to f	ollow.	

Pharik you very much for helping me!

STANDARD WATER ANALYSIS

Sample ID: HYTE NM\_AZ(2003JUL1)006 Sample NO: 26121

; I[2003JUL]9985 Job ID

HydroPure Technology

Aztec New Mexico

ATTN: Les Bell, USF

ANALYTICAL LABORATORY 4669 SHEPHERD TRAIL ROCKFORD, IL 61103-1294 TELEPHONE FACSIMILE

815-877-3041 815-877-0172 www.usfilter.com

Sampled : 24-JUN-2003 Received 1-JUL-2003 : 3-JUL-2003 Completed Description : Red Willow Sample Point: Soute 33-10-27-6 : USFI\_CO\_CS RSM ID : Rep. ID

Purpose : Evaluation

PARAMETER	RESULT	Units	PARAMETER	result	UNITS
Calcium (Ca)	. 13.3	mg/l CaCO3	Sulfate (\$04)	<0.01	mg/l CaCO3
Magnesium (13)	14.9	mg/l CaCO3	Chloride (Cl)	240.0	mg/l CaCO3
Sodium (Na)	6523.0	mg/l CaCO3	Phosphate (PO4)	, <0.01	mg/l CaCO3
Potassium (K)	5.25	mg/l CaCO3	Nitrate (NO3)	9.60	mg/1 CaCO3
			Bicarb (HCO3)	<b>695</b> 0.0	mg/l CaCO3
Silica (SiC2) Iron (Fe)	39.8 0.099	mg/l CaCO3 mg/l Fe	рн	8.11	
Manganese (11)		mg/l Mm			•
Free (CO2) [1]	122.7	mg/l CaCO3	TOC (C) Turbidity	93.6 15.0	mg/l NTU
Fluoride (F	<0.01	mg/l CaCO3			

## ADDITIONAL TESTS

PARAMETER	RESULT	UNITS	•		•	<del>.</del>
Aluminum (A.)	<0.05	mg/l		*****	•	
Barium (Ba)		mg/l				•
Conductivity	6970	umhos				
Copper (Cu)	<0.006	mg/l		•		
Strontium (.ir)	2.17	mg/l	,			
Total Hardness	28.20	mg/l CaCO3				
Zinc (Zn)	<0.006	mg/1		•		

Comments: Spot check negative for oil. Sample does not balance due to large arount of organics present.

## NOTES:

[1] Derived from alkalinity and pH

OUR REPRESENTATIVE IN YOUR AREA IS:

**USFilter** 1335 Ford Street Colorado Springs, CO 80915

STANDARE WATER ANALYSIS

Sample ID: -YTE NM AZ[2003JUL1]005 Sample NO: 26120

5053345157

: J[2003JUL]9985 Job ID

HydroPure !echnology

Aztec New Mexico

ATTN: Les Fell, USF

ANALYTICAL LABORATORY 4669 SHEPHERD TRAIL ROCKFORD, IL 61103-1294

TELEPHONE FACSIMILE

815-877-3041 815-877-0172 www.usfilter.com

: 24-JUN-2003 Sampled

: 1-JUL-2003 Received : 3-JUL-2003 Completed Description : Red Willow

Sample Point: Cabin.

Rep. ID : USFI\_CO\_CS RSM ID :

Purpose : Evaluation

*					•
PARAMETER	RESULT	UNITS	PARAMETER	RESULT	UNITS
<u> </u>	03 5	/7	G-7-5 (DO4)		/3
Calcium (Ct)	81.5	mg/l CaCO3	Sulfate (SO4)	1.32	mg/l CaCO3
Magnesium Mg)	4.97		Chloride (Cl)	421.0	mg/l CaCO3
Sođium (Na)	605.0		Phosphate (PO4)	<0.01	mg/1 CaCO3
Potassium (K)	15.9	mg/1 CaCO3	Nitrate (NO3)	1.21	mg/l CaCO3
			Bicarb (HCO3)	<0.5	mg/l CaCO3
Total Acidity	390.8	mg/l CaCO3	220422 (41302)		
Silica (Si(2)	0	mg/l CaCO3	н	4.84	
Iron (Fe)	12.1	mg/l Pe	-		
Manganese (Mn)		mg/l Mn		•	
Free (CO2) [1]	390.8	mg/l CaCO3	TOC (C)	47.0	/7
F166 (COS) [1]	330.0	mg/ + caccs		47.0	mg/l
			Turbidity	105	NTU
Fluoride (F)	<0.01	mg/l CaCO3			

## ADDITIONAL TESTS

PARAMETER		RESULT	UNITS
Aluminum (Al	)	0.067	mg/l
Barium (Ba)		0.784	mg/l
Conductivit/		1360	umhos
Copper (Cu)	•	<0.006	mg/l
Strontium (3:	r)	0.852	mg/l
Total Hardn ;	3 <i>5</i>		mg/l CaCO3
Zinc (Zn)		0.435	

Comments: Soot check positive for oil. Sample does not balance due to large amount of organics present. Unable to complete SiO2 analysis due to interference.

## NOTES:

[1] Derived from alkalinity and pH

OUR REPRESENTATIVE IN YOUR AREA IS:

USFilter 1335 Ford Street Colorado Springs, CO 80915

## Jones, William V., EMNRD

From: Hayden, Steven, EMNRD

Sent: Thursday, December 01, 2005 9:00 AM

To: Jones, William V., EMNRD

Cc: Perrin, Charlie, EMNRD; Williams, Joe

Subject: Hydropure SWD well

## Will

There is now a bond in place and I have approved the Hydropure SWD well and passed it on to Charlie Perrin: **Centerpoint SWD #1, API# 30-045-33464** with a condition of approval that they get the SWD order.

## Thanks

Steve Hayden
District Geologist
NM OCD District II
1000 Rio Brazos Rd

steven.hayden@state.nm.us

505-334-6178 ext 14 505-320-0545 Cell 505-334-6170 FAX

Aztec, NM 87410

9 12 05 SYATE 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 RecoveryPressure MaintenanceXDisposalStorage
	Application qualifies for administrative approval? X Yes No
II.	OPERATOR: Hydro Pure Technology, Inc.
	S
	ADDRESS: _PO Box 1621; Aztec, NM 87410
	CONTACT PARTY: Joe Williams PHONE 505-334-1765
Ш.	WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injections
	Additional sheets may be attached if necessary.
IV.	Is this an expansion of an existing project?
	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 nile 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. None.
VII.	Attach data on the proposed operation, including:
	· · · · · · · · · · · · · · · · · · ·
	1. Proposed average and maximum daily rate and volume of fluids to be injected; average 8,000 bpd; maximum, 10,000 bpd
	2. Whether the system is open or closed; Closed system.
	3. Proposed average and maximum injection pressure; 1,500 psi average; 2,400 psi maximum (surface pressure)
	4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected
	produced water; and, Re-injected produced water only. TDS may vary from 1,000 to 8,000 ppm. Sodium chloride or
	sodium bicarbonate type.
	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.). See attached formation fluid sample from Cedar Hill SWD#1 (NE Section 29, T32N, R10W).
*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. See attached.
IX.	Describe the proposed stimulation program, if any. Breakdown fm. w/ 500 gal formic acid, frac w/ 88,000 gal delta 200
178.	crosslink gel & 170,000 pounds of 16 / 30 Brady sand. Perforations TBD after logging.
*X.	Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
Λ.	
	Not yet drilled. Logs to be provided after drilling. Nearest logged well through injection zone is Conoco Arch Rock #1 (30-045-30040).
*VI	
*XI.	Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any
VII	injection or disposal well showing location of wells and dates samples were taken. None currently available.
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. Hydro Pure Technology Inc. has examined available geologic and engineering data and find no
	evidence of open faults or any other hydrologic connection between the disposal zone for the Centerpoint #1 SWD and
37777	any underground sources of drinking water.
	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: To Williams
	NAME: Joe Williams TITLE: President
	SIGNATURE: DATE: September 09, 7005
	Ditt. Depleton accompany
	E MAII ADDRESS I /williams@hudwanuwatashwalagu his
*	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:
DIST	RIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office
	C

OPERATOR: Hydropure Technologies, Inc.

WELL NAME & NUMBER: Centerpoint SWD #1

				Mic	Ditta
WELL LOCATION: 1,24	FOOTAGE LOCATION  FOOTAGE LOCATION	UNIT LETTER	SECTION	NSHIP	RANGE
WELLBC	WELLBORE SCHEMATIC		WELL CONSTR Surface Casing	WELL CONSTRUCTION DATA Surface Casing	
		Hole Size: 26"		Casing Size: 20"	
26" Hole	20" Surface Casing	Cemented with: 500		or	ft <sup>3</sup>
<b>※</b>		Top of Cement:0'		Method Determined: Calculated	ulated
			Intermediate Casing	Casing	
		Hole Size:17 1/2"		Casing Size: 13 3/8"	
		Cemented with: 1500	SX.	or	ft <sup>3</sup>
17 1/2" Hole	4 — 13 3/8" Internediate Casing 0 - 3200'	Top of Cement:0'		Method Determined: Calculated	alculated
		Hole Size:12 1/4"		Casing Size: 9 5/8"	1
		Cemented with:1400	SX.	or	ft <sup>3</sup>
		Top of Cement:0'		Method Determined: Calculated	ulated
			Production Casing	Casing	
12 1/4" Hole 3200' - 5600'		Hole Size:		Casing Size: 7"	
		Cemented with: 500	SX.	0r	ft <sup>3</sup>
		Top of Cement:0'		Method Determined:Calculated	lculated
*****	7" Production Casing	Total Depth: 8700'			
8 3/4" Hole	.00/8 - 0	Precise Inju	ection Interval (per	Precise Injection Interval (perforated) TBD after logging	
<i>†</i>	3 1/2" Injection Tubing 0 - 8300'	8350m	feet	feet to south	
****	Baker Packer 8300'	,0012		\$200 l	

New Mexico OCD Form C-108 Centerpoint #1 SWD

## VIII. Geologic Information

The proposed injection zones include the Entrada Sandstone (approximately 8,140' to 8,090' below surface), the Bluff Sandstone (approximately 7,820' to 7,670' below surface). Sandstone members of the Morrison Formation may also be used as injection zones if they are found to be unproductive of oil and gas (approximately 7,200' below surface). Water samples from these formations from other injection wells in the basin are typically greater than 10,000 ppm Total Dissolved Solids (see attached data from the Cedar Hill #1 SWD).

The deepest overlying fresh water aquifer is the Ojo Alamo Sandstone, the base of which is found at a depth of approximately 850 feet in the proposed injection well area. All of the major oil & gas producing formations in the basin are found between the proposed injection zones and the base of the Ojo Alamo Sandstone. All casing strings (except for the injection tubing) are proposed to be surfaced from total depth to the surface in the proposed injection well. There are no known sources of drinking water below the proposed injection zone.

WELL NAME & NUMBER: Centerpoint SWD #1

OPERATOR: Hydro Pure Technology, Inc.

Method Determined: Calculated\_\_\_  $\mathfrak{t}_{\mathfrak{z}}$  $\mathfrak{t}^3$  $\mathfrak{f}^3$ RANGE Method Determined: \_\_Calculated R11W Method Determined: Calculated\_ Method Determined: Calculated\_ 13 3/8" Precise Injection Interval (perforated) TBD after logging WELL CONSTRUCTION DATA Casing Size: 95/8" Casing Size: 20" TOWNSHIP Casing Size:\_\_\_ Casing Size:\_ 31N Intermediate Casing Production Casing or | or or Surface Casing 0 SECTION SX. SX. SX. SX. 8 34" 200 Cemented with: 1400 500 8700, Cemented with: 1500 12 1/4" 171/2" ò è ی ک Top of Cement: \_\_0'. 26" Top of Cement: Top of Cement: Cemented with: Top of Cement: \_\_ Cemented with: \_ Total Depth: \_ Hole Size: Hole Size: \_\_\_ Hole Size: WELL LOCATION: 1,200 ft. from South Line; 700 ft. from East Line Hole Size: WELLBORE SCHEMATIC

feet to 8600'

8350'

## INJECTION WELL DATA SHEET

Type of Tubing/Casing Seal (if applicable): Not applicable  Type of Tubing/Casing Seal (if applicable): Not applicable  Additional Data  Additional Data  Additional Data  Type of Tubing/Casing Seal (if applicable): Not applicable  Additional Data  Additional Data  Type of Tubing/Casing Seal (if applicable): Not applicable  Type of Tubing/Casing Seal (if applicable): SWD – Morrison, Bluff, Entrada 96162  Type of Tibing/Casing detail, i.e. sacks of cement or plug(s) used. Not Applicable  Type of Tibing/Casing Seal (if applicable): SWD – Morrison, Bluff, Entrada 96162  Type of Tubing/Casing Seal (if applicable): SWD – Morrison, Bluff, Entrada 96162  Type of Tubing/Casing Seal (if applicable): SWD – Morrison, Bluff, Entrada 96162  Type of Tubing/Casing Seal (if applicable): SWD – Morrison, Bluff, Entrada 96162  Type of Tibing/Casing Seal (if applicable): SWD – Morrison, Bluff, Entrada 96162  Type of Tibing/Casing Seal (if applicable): SWD – Morrison, Bluff, Entrada 96162  Type of Tibing/Casing Seal (if applicable): SWD – Morrison, Bluff, Entrada 96162  Type of Tibing/Casing Seal (if applicable): SWD – Morrison, Bluff, Entrada 96162  Type of Tibing/Casing Seal (if applicable): SWD – Morrison, Bluff, Entrada 96162  Type of Tibing/Casing Seal (if applicable): SWD – Morrison, Tibing/Casing Seal (if applicable): SWD – Morrison, SWD – Morriso	pth: 8300'  pth: 8300'  well drilled for at purpose was the purpose was the or Pool (if appeaver been perforgive plugging deand depths of a in this area:  kota Sandstone	Type of Packer:Baker or equivalent with On/Off tool and needed profile nipples	
Setting Depth: 8300′  Spe of Tubing/Casing Seal (if applicable): Not applicable  Additional Data  Additional Data  is a new well drilled for injection?  Specific what purpose was the well originally drilled?  Specific what purpose was the well originally drilled?  The of the Injection Formation: Entrada Sandstone (initially)  The of the Injection Formation: Entrada Sandstone (initially)  The of Field or Pool (if applicable): SWD – Morrison, Bluff, Entrada 96162  The well ever been perforated in any other zone(s)? List all such perforated  The well ever been perforated in any other zones of cement or plug(s) used. Not Applicable  The well ever been perforated in any other zones underlying or overlying the proposed  The name and depths of any oil or gas zones underlying or overlying the proposed  The name and depths of any oil or gas zones underlying or overlying the proposed  The name and depths of any oil or gas zones underlying or overlying the proposed  The name and depths of any oil or gas zones underlying or overlying the proposed  The name and depths of any oil or gas zones underlying or overlying the proposed  The name and depths of any oil or gas zones underlying or overlying the proposed  The name and depths of any oil or gas zones underlying or overlying the proposed  The name and depths of any oil or gas zones underlying or overlying the proposed  The name and depths of any oil or gas zones underlying or overlying the proposed  The name and depths of any oil or gas zones underlying or overlying the proposed  The name and depths of any oil or gas zones underlying or overlying the proposed  The name and depths of any oil or gas zones underlying or overlying the proposed  The name and depths of any oil or gas zones underlying or overlying the proposed or overlying the propos	setting Depth: 8300'  ype of Tubing/Casing Seal (if applicable): Not applicable  Additional Data  Additional Data  o, for what purpose was the well originally drilled?  No  o, for what purpose was the well originally drilled?  ne of the Injection Formation: Entrada Sandstone (initially)  ne of Field or Pool (if applicable): SWD – Morrison, Bluff, Entrada 96162  ne of Field or Pool (if applicable): SWD – Morrison, Bluff, Entrada 96162  ne of the Injection Formation: Entrada Sandstone (initially)  ne of Field or Pool (if applicable): SWD – Morrison, Bluff, Entrada 96162  ne of the Injection Formation: Entrada Sandstone (proposed in this area;  e the name and depths of any oil or gas zones underlying or overlying the proposed ction zone in this area:  her – Dakota Sandstone, approx. 7000; Lower – Paradox Formation (not currently produced), approx. 12000'  her – Dakota Sandstone, approx. 7000; Lower – Paradox Formation (not currently produced), approx. 12000'		
ype of Tubing/Casing Seal (if applicable): Not applicable	ype of Tubing/Casing Seal (if applicable): Not applicable	Setting Depth: 8300'	
this a new well drilled for injection?  No  To, for what purpose was the well originally drilled?  To what purpose was the well originally drilled?  The of the Injection Formation: Entrada Sandstone (initially)  The of Field or Pool (if applicable): SWD – Morrison, Bluff, Entrada 96162  The well ever been perforated in any other zone(s)? List all such perforated ervals and give plugging detail, i.e. sacks of cement or plug(s) used. Not Applicable  To set we and depths of any oil or gas zones underlying or overlying the proposed ection zone in this area:  By Yes  No  To Morrison, Bluff, Entrada 96162  Supprox. 7000'; Lower – Paradox Formation (not currently produced), approx. 12000'  To set the name and depths of any oil or gas zones underlying or overlying the proposed ection zone in this area:	this a new well drilled for injection?  No  No  No for what purpose was the well originally drilled?  The of the Injection Formation: Entrada Sandstone (initially)  The of Field or Pool (if applicable): SWD – Morrison, Bluff, Entrada 96162  Sthe well ever been perforated in any other zone(s)? List all such perforated ervals and give plugging detail, i.e. sacks of cement or plug(s) used. Not Applicable  The vertex and depths of any oil or gas zones underlying or overlying the proposed ection zone in this area:  Sher – Dakota Sandstone, approx. 7000'; Lower – Paradox Formation (not currently produced), approx. 12000'	Ype of Tubing/Casing Seal (if applicable): Not applicable	
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## JECH INC 333 fest fra Francist

# API WATER ANALYSIS REPORT FORM

Sample No.   Date Sampled	County or Parish State	Depth Fyrmation Water, BID	( hu	1	Total Dissolved Solids (cale.) 12, 170	Suifide, as HiS	REMARKS & RECOMMENDATIONS:	0 5 10 15 20 25	97 (2) 3 70	or tos	
DIAN OIL COMPANY	Legal Description	Well #/	Type of Water (Produced, Supply, etc.) Sampling Point	mg/l me/l 4084 178.4 444 37.0		413 190.0	41. 0.07	20 15 10 5			
Company MERID	Field	Lease or Unit	Type of Water (Pr	DISSOLVED SOLIDS CATIONS Sodium, Na (calc.) Calcium, Ca Magnesium, Mg Barium, Ba		ANIONS Chloride, Cl Sulfate, SO,	Carbonate, CO <sub>3</sub> Bicarbonate, HCO <sub>3</sub>	20 114 -	3 .	8	

## 1ECH INC.

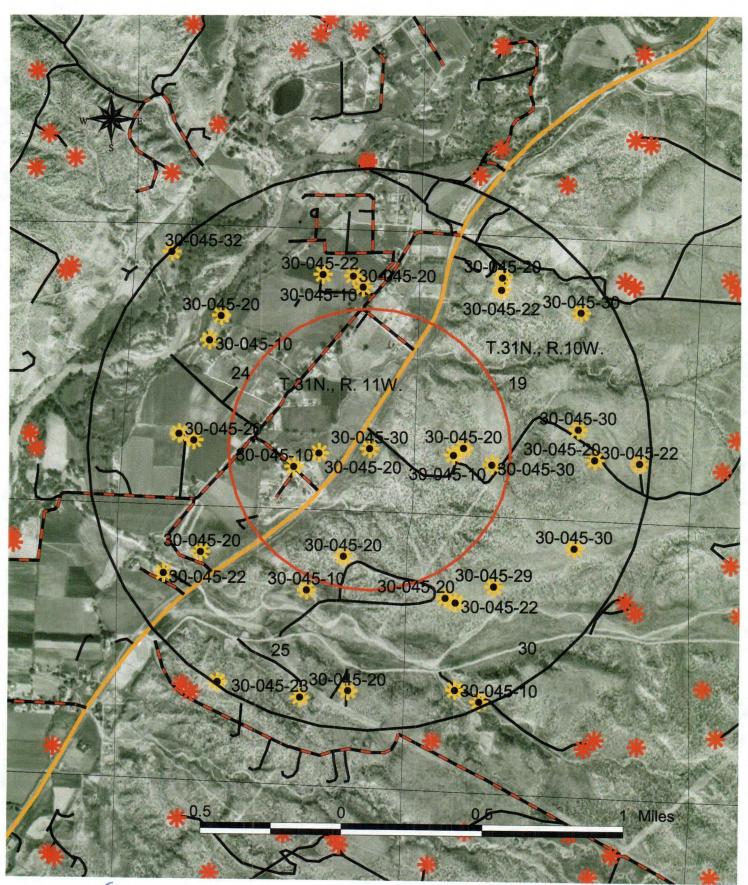
	<b></b>		1		<del>)</del> ,	7.6	y mho	2	f t	KS:		Q	10	Q	
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T FORM	Sample No.	County or Parish	Fyrmution / Nilada			OTHER PROPERTIES	Specific Gravity, 60/60 F. 7/ Resistivity (ohm-meters) 7/ Conductivity	Total Dissolved Solids (calc.)	Iron, Pe (total) Sulfide, as H <sub>2</sub> S	REMARKS & RECOMMENDATIONS:	5t of				
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## New Mexico OCD Form C-108 Centerpoint #1 SWD

## VIII. Geologic Information

The proposed injection zones include the Entrada Sandstone (approximately 8,140' to 7,090' below surface), the Bluff Sandstone (approximately 7,820' to 7,670' below surface). Sandstone members of the Morrison Formation may also be used as injection zones if they are found to be unproductive of oil and gas (approximately 7,200' below surface). Water samples from these formations from other injection wells in the basin are typically greater than 10,000 ppm Total Dissolved Solids (see attached data from the Cedar Hill #1 SWD).

The deepest overlying fresh water aquifer is the Ojo Alamo Sandstone, the base of which is found at a depth of approximately 850 feet in the proposed injection well area. All of the major oil & gas producing formations in the basin are found between the proposed injection zones and the base of the Ojo Alamo Sandstone. All casing strings (except for the injection tubing) are proposed to be surfaced from total depth to the surface in the proposed injection well. There are no known sources of drinking water below the proposed injection zone.



CENTER POINT #15WD AREA OF REVIEW



P.O. Box 1621 Aztec, NM 87410

3363		O MAILTM R	ce Coverage Provided)
9	For delivery informa	ation visit our webs	site at www.usps.com
090	FARMINGTON.	NM 87402	
	Postage	\$ 0.37	UNIT ID: 0410.
0005	Certified Fee		191
_	Return Receipt Fee (Endorsement Required)	2.30 1.75	Postmark Here
1160	Restricted Delivery Fee (Endorsement Required)		Clerk: KP4110
5	Total Postage & Fees	\$ 4.42	09/06/05
700	Sent To Street, Apt. No., or PO Box No. City State, ZIP-4	101 E.30 on.nm 8	740z-8807
	PS Form 3800, June 200	02	See Reverse for Instructions



P.O. Box 1621 Aztec, NM 87410

> September 6, 2005 Burlington Resources 3401 E. 30th Farmington, NM 87402-8807

Re: Proposed Centerpoint #1 SWD

Hydro Pure Technology, Inc. (PO Box 1621, Aztec, NM 87410; 505-334-1765; Contact Joe Williams) intends to drill and operate the Centerpoint #1 SWD commercial Class 2 injection well located 1,200 feet from the south line and 700 feet from the east line in Section 24, T31N, R11W, NMPM. The intended injection zones for the well are the Entrada Sandstone, Bluff Sandstone and the Morrison Formation. Maximum anticipated injection rates are 10,000 barrels of produced water per day at a maximum pressure of 2,400 psi.

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 from the mailing of this notice.

Sincerely:

President

Joe Williams

Hydro Pure Technology, Inc.

ated in Farmington, INM. Great money ices majority of the mobile homes are seller, some spaces are rented out. Call 013 Broker Owned \$745,000



REMOTE AREA, nice 3BR, 2BA, open floor plan, w o n d e r f u l kitchen, 2002 Palm Harbor, 1624 sq. ft. on 2.05 Ac. Adjoining 7 Ac. also available. River access. #69832 (69828) \$118.000

84 ACRES OF LEVEL FARM LAND. Irrigation per seller, fantastic views of the La Plata's! #67905



Online Questions? E-mail us at: c21sowesco@aol.com or visit our World Wide Web page



The second secon

www.century21sowesco.com

Prudential
Sun West Properties
327-6181

RANQUIL COUNTRY SETTING. minutes from conveniences. You'll love this ft. 3300 sq. beauty! 3 BR. 2 BA, two living areas, covered porch and deck. 3-car garage. Landscaped & irrigation (per seller) 1 +/- acre. Additional land available \$435,000 #69304.

C H O I C E

908 Commercial Property



A MULTITUDE OF USES.
Original theater seats & screen. Velvet curtains, dressing room, kitchen equipment. Unfinished basement. \$150,000 #68746
GREAT RETAIL COMMER-

GREAT RETAIL COMMER-CIAL 16.54 acres on way. 275' highway frontage. Bloomfield water & sewer, 3 phase power at front of property. #68286 \$827,500 accentonrealestate.com

## IMMICK REALTY 325-8863

E. MAIN

E. Main location. building is suitable for many uses. Currently an operating vet clinic. Owners will sell the business and real estate together, or will sell just the real estate. Possible owner financing with large down. \$750,000 (132)#70125

325 E. BROADWAY Good location on Hwy 64 Bloomfield. Will sell or lease/ build to suit with long term lease. Owner financing avail. Lot is approx. 300x180, BLDG has approx. 3750 sq. ft. good commercial location w/good exposure. \$250,000 (144) #69106

### #15 CR 3262

Huge new bldg. Would make great commercial bldg. 20,000 sq. ft. 3.652 Ac. is fenced and ready for your business. \$325,000 (146) #69203.

## XX SAN JUAN BLVD.

Approx. 1.42 Ac. E. on San Juan Blvd. from Butler. Property is located in front of

RIVERFRONT \$69,000III Here's your chancel Gorgeous 1 acre parcel on Animas near Cedar Hill. Last One. 303-358-4114.

913 Acreage

1.25 ACRES, all utilities, Flora Vista, \$50,000, 334-0581

## REAL ESTATE OPTIONS, INC. BACKS TO SAN JUAN RIVER. Great area to live. \$20 a month Home

Great area to live. \$20 a month Home Owners Association, covers irrigation, upkeep, sewer treatment plant. \$49,900 #70179 327-7283

SECLUDED, WOODED, 3 acre lot, out of flood plane, near river & future city park bluffs at edge of property beautiful homes in neighborhood, Must see \$185,000, 215-3264

918 Legals NAYAJO HOUSING Authority

RE-BID: Invitation for Bid #86 – Office Building Renovation

The Navajo Housing Authority is seeking sealed bids from Indian and Non-Indian qualified Subcontractors to provide materials and labor for the Renovation work of the NHA Office Building located in Window Rock, Arizona.

Detailed instructions may be obtained from the NHA Purchasing Dept at Route N54, Old Coalmine Road in Ft. Defiance, Arizona or by calling (928) 729-6370 and requesting for IFB #86 – Office Building Renovation. All bids must be received by September 12, 2005 at 4:00 p.m. (DST). No faxed bids will be accepted. Indian Preference will be applied (25 C.FR 1000.52).

Legal No. 52169 published in The Daily Times, Farmington, New Mexico on Fridays, Sunday, Wednesdays, August 26, 28, 31, and September 2, 4, 9, 2005.

18 Legals

STATE BOARD OF FINANCE REGULAR MEETING SCHEDULE CHANGE

The Board of Finance meeting scheduled for September 13, 2005 has been rescheduled to September 22, 2005 beginning at 9:30 am in the Governor's Cabinet Room on the fourth floor of the State Capitol Building. The gaenda

VS.

MATTHEW WASSON,

Respondent.

No. DM 99-673-9

NOTICE OF SUIT

TO: MATTHEW WASSON - Respondent

Greetings:

You are hereby notified that a Petition for Modification of Child Custody and Child Support has been filed by Petitioner.

Unless you enter your appearance in this action on or before September 29, 2005, an Order will be entered by default

The mailing address for counsel for Petitioner is as follows:

Law Offices of Sarah V. Weaver PO. Box 6810 Farmington, New Mexico 87499

Respectfully Submitted,

/s/ Sarah V. Weaver SARAH V. WEAVER, ESQ. Attorney for the Petitioner Farmington, New Mexico 87499 (505) 325-5568

Legal No. 52204 published in The Daily Times, Farmington, New Mexico on Fridays, September 2 & 9, 2005.

918 Legals

HYDRO PURE TECHNOLOGY, INC. PO Box 1621, Aztec, NM 87410, is making application for administrative approval to dispose of produced water by underground injection at the proposed Centerpoint #1 SWD commercial Class 2 injection well located 1,200 feet from the south line and 700 feet from the east line in Section 24, T31N, R11W, NMPM. The contact person is Joe Williams, 505-334-1765. The intended injection zones for the well are the Entrada Sandstone, Bluff Sandstone and the Morrison Formation. Maximum anticipated injection rates are 10,000 barrels of produced water per day at a maximum surface pressure of 2,400 psi.

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 from the publication of this notice.

Legal No. 52222 published in The Daily Times, Farmington, New Mexico on Friday, September 9, 2005.

8 Legals

of the Eleventh Judicial District Court this 16th day of August.

Weldon J. Neff Court Administrator

SEA

/s/ Yvonne Rhodes Notary Public

Legal No. 52142 published in The Daily Times, Farmington, New Mexico on Fridays, August 19, 26, and September 2, 9, 2005.

## DIS Legals NOTICE OF ADOPTION OF BOND RESOLUTION FARMINGTON MUNICIPAL SCHOOL DISTRICT NO. 5

GIVEN that on September 8, 2005, the Board of Education of Farmington Municipal School District No. 5, San Juan County, New Mexico, adopted its 2005 Bond Resolution authorizing the issuance of the Farmington Municipal School District No. 5 General Obligation School Building Bonds, Series 2005, in the aggregate principal amount of \$4,500,000 and otherwise relating to such bonds and project authorized at an election held on February 4, 2003. Complete copies of the resolution are on file and available for inspection during normal business hours at the office of the Superintendent of Schools, at the Farmington School Administration Building, 2001 North Dustin, Farmington, New Mexico. This notice is given pursuant to Section 6-14-4 through 6-14-7, NMSA 1978.

DATED this 8th day of September, 2005.

/s/ Janel Ryan Superintendent

Legal No. 52223 published in The Daily Times, Farmington, New Mexico on Friday, September 9, 2005.

## D18 Legals NAVAJO HOUSING AUTHORTY INVITATION FOR BID (IFP) #89 FY '06 INDIAN/ NON-INDIAN SUBCONTRACTORS & MATERIAL SUPPLIERS/CSD

The Navajo Housing Authority (NHA) extends an invitation to all qualified Indian/Non-Indian Subcontractors & Material Suppliers to Supply, Deliver and Service the five (5) district areas of the Construction Services Division (CSD). Detailed specifications and bidding instructions may be obtained from the NHA Purchasing Dept. Old Coalmine Road RTE N54; Fort Defiance, Arizona 86504 or by calling (928) 729.5

## Jones, William V., EMNRD

From:

Joe Williams [J\_Williams@hydropuretechnology.biz]

Sent:

Thursday, October 27, 2005 4:23 PM

To:

'Mike Matheson'; Jones, William V., EMNRD

Subject: RE: SWD Application Centerpoint SWD #1 30-045-

Mike, thank you for your quick response!

Mr. Jones, would you let me know if this information completes the query from you with the exception of receiving an API number?

Thank you both so much for your help. I appreciate your efforts to complete our application correctly.

Joe

**From:** Mike Matheson [mailto:mmatheson@plateauenvironmental.com]

**Sent:** Thursday, October 27, 2005 4:08 PM **To:** 'Joe Williams'; 'Jones, William V., EMNRD'

Subject: RE: SWD Application Centerpoint SWD #1 30-045-

Greetings all -

I understand that Joe is forwarding produced water analytical results to OCD.

With regard to injection interval it is a bit of a guess at this point for exact footages. But to be safe I would say suggest 7,100 to 8,200 bgs for a potential injection interval. In reviewing this I noticed a typo in the answer provided for Form C108 VIII. On the form submitted we noted the Entrada interval as 8140' to 7090'. Boy that is some thick Entrada! The correct interval of clean sandstone should be approximately 8140' to 8090'. I have attached a revised answer for C108 VIII.

Mike Matheson Plateau Environmental Services, Inc. 3238 E. 5th Ave. Durango, CO 81301 970-247-9200

----Original Message-----

**From:** Joe Williams [mailto:J\_Williams@hydropuretechnology.biz]

**Sent:** Wednesday, October 26, 2005 1:44 PM **To:** 'Mike Matheson'; Jones, William V., EMNRD

Subject: RE: SWD Application Centerpoint SWD #1 30-045-

Hi Mr. Jones, I am forwarding this mail to our permitting company for response to questions number two and three.

Hi Mike, here is the request for additional information from OCD. Would you please forward this information to Mr. Jones?

Thank you both so very much for helping me with obtaining this permit!

Joe

Joe R. Williams President Hydro Pure Technology Inc. Post Office Box 1621 711 North Light Plant Road Aztec, New Mexico 87410

from: Jones; William V.; EMNRD

**Sent:** Tuesday, October 25, 2005 1:32 PM **To:** J\_Williams@hydropuretechnology.biz

Subject: SWD Application Centerpoint SWD #1 30-045-

Hello Joe Williams:

The OCD received your application and I am reviewing your intent to inject into this well and need the following information:

1) API number. Please obtain the permit to drill from the BLM and/or the District OCD office in Aztec and the API number. Don't delay replying to the other questions below if the API number is not available, but the permit may be delayed until the API number is available since our databases are based on API numbers.

Reply: I will go to OCD, Aztec and ask for assistance with this request.

2) Our permits are depth specific, so please send your best guess of the absolute top and the absolute bottom of the interval you intend to inject - along with the correct formation names within this depth range. The permitted maximum surface injection pressure will be based on 0.20 times the upper perforation depth you apply for in your permit.

Reply: Mike will send you confirmation of depth of intervals.

3) Please send a water analysis of each of the formation waters to be injected into this well. I.E. send a fruitland analysis if you intend to take fruitland water, and a Dakota water analysis if you intend to take Dakota waters. In the future, if you take additional waters into your well, you can obtain an analysis and forward that analysis to this office in a cover letter referencing the injection well's SWD permit number/well name/api number.

Reply: Mike will send you a copy of a Fruitland water sample.

4) Send proof of notice of your intent to inject, to the surface owner of the well site/tanks site. If this is the BLM, send proof of notice to the BLM.

Reply: I, Joe R. Williams own the land where the proposed injection well is to be sited. The deed of trust is registered with San Juan County Clerk's Office, do I need to send you a copy of the deed?

5) If this is Indian Lands, please also apply for a permit to inject with the US. EPA and the pertinent tribe.

Reply: See above.

Thank You,

William V. Jones

Engineering Bureau

Oil Conservation Division

Santa Fe

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Sent:

Thursday, October 27, 2005 4:08 PM

To:

'Joe Williams'; Jones, William V., EMNRD

Subject:

RE: SWD Application Centerpoint SWD #1 30-045-

Attachments: C108VIII.doc

## Greetings all -

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President
Hydro Pure Technology Inc.
Post Office Box 1621
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from: Jones; William V.; EMNRD

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Reply: See above.

Thank You,

William V. Jones

Engineering Bureau

Oil Conservation Division

Santa Fe

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## Jones, William V., EMNRD

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Sent:

Tuesday, October 25, 2005 1:32 PM

To:

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Engineering Bureau

Oil Conservation Division

Santa Fe