224831508

SWD 9/18/02



August 27, 2002

New Mexico Oil Conservation Division 1220 S. St. Francis Drive Santa Fe, NM 87505

Attention: Mr. David Catanach

(30-045-27360)

Re: APPLICATION FOR CONVERSION TO SALT WATER DISPOSAL TURK'S TOAST #4 SAN JUAN COUNTY, NM.

Dear Mr. Catanach:

Attached is Dugan Production Corp.'s application to convert the Turk's Toast #4 from production to produced water disposal well. The application and all attachments follow the enumeration scheme set out in NMOCD's Permit Application for Underground Injection Control. The Bureau of Land Management, surface owner, and all offsetting operators have been notified of this application by certified mail. A notice has been published in the Farmington Daily Times advising the public of our application.

The undersigned employee is the contact person for this application.

lefanch

Sincerely yours,

John Alexander Xice President

JA:sh

Attachments

cc: NMOCD 1000 Rio Brazos Road Aztec, NM 87410

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

I.	PURPOSE:       Secondary Recovery       Pressure Maintenance       X       Disposal       Storage         Application qualifies for administrative approval?       Yes       No
II.	OPERATOR: DUGAN PRODUCTION CORP.
	ADDRESS: P.O. Box 420, Farmington, NM 87499
	CONTACT PARTY: PHONE:PH
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: Iohn Alexander TITLE: Vice-President
	SIGNATURE: John alymphon DATE: August 27, 2002

\* 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.

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.

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## Nos. III, VII, VIII, IX, XI, XIV on Form C-108

## Dugan Production Corp. P.O. Box 420 Farmington, New Mexico 87499-0420

#### III. A. Injection Well Information

- 1. Turk's Toast #4 Sec. 17, T30N, R14W 1,850' FSL & 790" FWL
- 2. 8-5/8" 28 lb./ft.; set @ 222' in 12-1/4" hole. Cemented with 145 sx. Class "B" with 2% Calcium Chloride & 1/4#/sx. celloflake. Circulated cemented to surface.

4-1/2" 10.5 lb./ft.; set @ 6,066'. 1<sup>st</sup> stage cemented with 280 sx. 50-50 Pozmix with 2% gel, 12.5# Gilsonite & 1/4#/sx. celloflake. Tailed by 100 sx. Class "B" with 1/4#/sx. celloflake. 2<sup>nd</sup> stage cemented with 625 sx. 65/35 with 12% gel and 1/4#/sx. celloflake. Tailed by 125 sx. Class "B" with 4% gel and 1/4#/sx. celloflake. Circulated cement to surface. Stage tool set @ 4,040'.

- 3. Tubing will be 2-3/8" 4/7 lb./ft. EUE 8rd reg, internally plastic coated. Setting depth will be ± 3,500'.
- 4. Packer will be Baker Model AD-1, plastic coated internally and externally. Setting depth will be ± 3,500'.

#### III. B. Formation Information

- 1. Mesaverde Point Lookout Sandstone.
- 2. Injection interval intended to perforate @ 3,585'-3,940'.
- 3. Originally drilled as a development production well.
- 4. This well is perforated in the Dakota from 5,793' to 5,933'. The Dakota will be plugged by setting a cast iron bridge plug at 5,793' with 100' Class B cement spotted on top. The Gallup formation (top at 4,926') will be covered by setting a 100' plug across it. A cast iron bridge plug will be set 4,000' (just above the second stage tool) to further isolate the Mesaverde perforations at 3,585' 3,940'. Permission will be obtained from the BLM-prior to plugging these formations. Top of cement on the first stage is estimated to be at 4,500' based on 75% cement volume and using gage hole. The second stage cement job circulated 10 bbls. of cement to surface.
- 5. Next highest production zone: Pictured Cliffs bottom @ 1,267'.

CONCUM 1 WVT

#### IV. Data on Proposed Operation

- 6. Average daily injection rate is expected to be 400 bwpd with a maximum rate expected to be 1,000 bwpd.
- 7. The system is closed.
- 8. The average injection pressure will be 650 psi, with a maximum of 717 psi.
- 9. Injected water will be produced from the Fruitland Coal, Pictured Cliffs, Gallup & Dakota formations and re-injected into the Mesaverde Point Lookout formation. An analysis of the water to be injected is included as Attachment VII 4a, 4b, 4c & 4d. This water is compatible with the Mesaverde formation.
- 10. Injected water is for disposal purposes. An analysis of Mesaverde water is included as Attachment

VII - 5. The Mesaverde formation water is compatible with the water to be injected.

#### VIII. Geological Information

Injection will be into the Mesaverde Point Lookout. Top of the Mesaverde is @ 2,700' with a total thickness of 1,200'. The Point Lookout is @ 3,585'-3,940'. The Ojo Alamo is a possible source of drinking water. It is near the surface and is located behind the surface casing which has been cements to surface.

#### IX. Stimulation

Acidized if required to maintain inject rate and pressure.

### X. Logs

Logs are on file with OCD.

#### XI. Fresh Water Analysis

There are no active water wells in the area of review.

#### XIV. Proof in Notice

Attached are copies of the certified mail receipts notifying the offset lease owners. A copy of the letter provided is attached.

A certified copy of the legal notice published in the Farmington Daily Times is also attached.



Turk's Toast #4, Sec 17, T30N, R14W, 1850' FSL & 790' FWL

## Lease Owners Map

## Attachment V

T30N R14W Dugan Prod. Dugan Prod. Dugan Prod. 8 9 7 **OPEN** Dugan Prod. Richardson Operating Co. Dugan Prod. 16 18 17 N Turk's Toast #4 SWD Dugan Prod. Richardson Operating Co. & Richardson Operating Co. 19 20 21 Questar Exploration Richardson Questar Exploration Operating Co.

# **INJECTION WELL SCHEMATIC**

## **Attachment VI**



PLUGGING INFORMATION		I to cuft.
PRODUCTION CASING	<ul> <li>4 1/2" @ 5958' Stage Tool @ 3816'</li> <li>1st stage cmt w/ 400 sx (624 cu.ft.) 50-50 Poxmix w/ 2% gel</li> <li>12.5 #/sx gilsonite tailed by 100 sx (118 cu.ft.)</li> <li>Class "B" w/ 1/4 #/sx celloflake. TOTAL 1st stage 742 cu.ft.</li> <li>2nd stage cmt w/ 800 sx (1775 cu.ft.) 65/35/12 tailed by 125 sx</li> <li>(195 cu.ft.) Class "B" w/ 4% gel. TOTAL 2nd stage 1970 cu.ft.</li> <li>TOTAL cmt pumped 2712 cu.ft.</li> <li>Circ. 25 bbls cmt to surface.</li> </ul>	<ul> <li>4 1/2" @ 6066' Stage Tool @ 4040'</li> <li>1st stage cmt w/ 280 sx (428 cu.ft.) 50-50 Poxmix w/ 2% gel</li> <li>12.5 #/sx gilsonite tailed by 100 sx (118 cu.ft.)</li> <li>Class "B" w/ 1/4 #/sx celloftake. TOTAL 1st stage 546 cu.ft.</li> <li>Class "B" w/ 1/4 #/sx celloftake. TOTAL 201 st atage 546 cu.ft.</li> <li>Class "B" w/ 1/4 #/st celloftake. TOTAL 201 st atage 546 cu.ft.</li> <li>Class "B" w/ 1/4 #/st celloftake. TOTAL 201 st atage 546 cu.ft.</li> <li>Class "B" w/ 1/4 #/st celloftake. TOTAL 201 st atage 1575 cu.ft.</li> <li>TOTAL cmt pumped 2121 cu.ft.</li> <li>Circ. 10 bbls cmt to surface.</li> </ul>
SURFACE CASING	8 5/8" @ 213 Cemented to surface.	8 5/8" @ 222' Cemented to surface.
рертн	5956	6068
DATE DRILLED	9 June 1989	20 Dec 1989
GISTATUS	W (CO) Completed & producing Basin Dakota	IW (CO) Completed & producing Basin Dakota
N N	20N	30N 14
SEC	17	17
FIGES	950' FNL 910' FWL	1850' FSL 790' FWL
WELL	Turk's Toast #3	Turk's Toast #4 (Proposed well for salt water disposal into the Mesaverde Point Lookout Formation)

Dugan Production Corp. Application to Dispose of Water in the Mesaverde Point Lookout Formation Turk's Toast #4

Attachment VI

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Attachment VI

OPERATOR	WELL NAME	<b>WELL NO</b>	POOL	SEC	NWT	RGE	٩L	FTAGE NS	FTAGE EW	TD	STATUS
DUGAN PRODUCTION CORP	TURKS TOAST	7	TWIN MOUNDS FR SND PC	17	30N	14W	±	1335/N			
DUGAN PRODUCTION CORP	TURKS TOAST	91	BASIN FRUITLAND COAL	17	30N	14W	в С	2500/N	1650/E		SP
DUGAN PRODUCTION CORP	TURKS TOAST	8	TWIN MOUNDS FR SND PC	17	30N	14W	I	1340/S	725/E		
DUGAN PRODUCTION CORP	TURK'S TOAST	90	BASIN FRUITLAND COAL	17	30N	14W	К	1850/S	1850/W		SP
DUGAN PRODUCTION CORP 4 40	TURKS TOAST - A SEA SE	3. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	BASIN DAKOTA	1774254	BON WEAK	TAW WWW	Distant	020/N	010/W/F248	5956 😤 👹	CO BE THE
DUGAN PRODUCTION CORP	TURKS TOAST	4	BASIN DAKOTA Name	1 > 1 < 1 < 1	30N 20	T4W	Luckson	1850/S	1. M./06/	6068	CO THINK
DUGAN PRODUCTION CORP	TURKS TOAST	1	BASIN DAKOTA	18	30N	14W	М	790/S	790/W	5910	8
DUGAN PRODUCTION CORP	RIVIERA COM	90	BASIN FRUITLAND COAL	18	30N	14W		1955/N	1335/E		
DUGAN PRODUCTION CORP	RIVIERA COM	2	TWIN MOUNDS FR SND PC	18	30N	14W	E	1350/N	660/W	930	8
DUGAN PRODUCTION CORP	TURKS TOAST	6	TWIN MOUNDS FR SAND PC	18	30N	14W	Ь	915/S	665/E	1230	8
DUGAN PRODUCTION CORP	TURKS TOAST COM	92	BASIN FRUITLAND COAL	18	30N	14W	N	805/S	2195/W	1190	8
DUGAN PRODUCTION CORP	TURK'S TOAST	6	GAMBLERS MESA GALLUP	18	30N	14W	Μ	400/S	330/W	5352	8
DUGAN PRODUCTION CORP	RIVIERA		BASIN DAKOTA	18	30N	14W	В	1120/N	1850/E	5900	8
DUGAN PRODUCTION CORP	TURK'S TOAST	10	TWIN MOUNDS FR SND PC	19	30N	14W	С	660/N	1980/W	1145	8
HUMBLE OIL & REFINING CO	N KIRTLAND UNIT	1	BASIN DAKOTA	19	30N	14W	А	1230/N	998/E	5873	PA
DUGAN PRODUCTION CORP	TURK'S TOAST	93	BASIN FRUITLAND COAL	19	30N	14W		1635/N	1360/E		
RICHARDSON OPERATING CO	WF FEDERAL 19	<u>е</u>	TWIN MOUNDS PC	19	30N	14W		1698/S	1931/W		
RICHARDSON OPERATING CO	WF FEDERAL 19	3	BASIN FRUITLAND COAL	19	30N	14W		1698/S	1931/W		
DUGAN PRODUCTION CORP	TURKS TOAST	2	BASIN DAKOTA	19	30N	14W	D	790/N	790/W	5903	8
BRITISH-AMER OIL PROD CO	GOV'T REILEY	1	WC D3;GALLUP	20	30N	14W	Σ	660/S	660/W	5323	PA
STONE DRILLING INC	SAN JUAN 30 14 UNIT		WC D3;GALLUP	20	30N	14W	<del>ن</del>	1905/N	1990/E	5360	PA
RICHARDSON OPERATING CO	WF FEDERAL 20	4	TWIN MDS FT SND PC EXT	20	30N	14W	С	1175/N	1905/W		AL
RICHARDSON OPERATING CO	WF FEDERAL 20	2	BASIN FRUITLAND COAL	20	30N	14W	A	1086/N	866/E	1325	8
RICHARDSON OPERATING CO	WF FEDERAL 20		TWIN MOUNDS FRT SD PC EXT	20	30N	14W	N	915/S	1600/W	1300	8
RICHARDSON OPERATING CO	WF FEDERAL 20	1	BASIN FRUITLAND COAL	20	30N	14W	z	915/S	1600/W	1300	8
RICHARDSON OPERATING CO	WF FEDERAL 20	2	TWIN MOUNDS PC	20	30N	14W	A	1086/N	866/E	1325	8
RICHARDSON OPERATING CO	WF FEDERAL 20	m	TWIN MOUNDS PC EXT	20	30N	14W	0	1200/S	1515/E	1305	8



Water Analysis Results Sheet

Valei Alidiyələ Ncəuliə Olic Farmington NM 708 S. Tucker Phone:(505)325-4192 Fax:(505)564-3524

Zip:87401

# Attachment VII - 4a

Operator:	Dugan Porducion	Date:	June 25, 2002
Well :	Turks Toast #92	District:	Farmington
Formation:	Fruitland Coal	Requested by:	John Alexander
County:	n/a	Technician:	Mike Brown
Depth:	n/a	Source:	n/a

## PHYSICAL AND CHEMICAL DETERMINATION

IRUN:	U	ррш	RESISTIVITY:	1.95 ohm/meter	
H2S:	0	ppm	CHLORIDES: SODIUM : POTASSIUM:	4400.0 ppm 1505.3 ppm 5.0 ppm	
MAGNESIUM:	8 <del>99</del> .1	ppm	TDS:	8872.53 ppm	

CaCO3 Scale Tendency = Remote CaSO4 Scale Tendency = Remote

**REMARKS**:



Water Analysis Results Sheet Farmington NM 708 S. Tucker Phone:(505)325-4192 Fax:(505)564-3524 Zip:87401

Attachment VII – 4b

Operator:	Dugan Porducion	Date:	June 25, 2002
Well :	Turks Toast #10	District:	Farmington
Formation:	Pictured Cliff	Requested by:	John Alexander
County:	n/a	Technician:	Mike Brown
Depth:	n/a	Source:	n/a

## PHYSICAL AND CHEMICAL DETERMINATION

MAGNESIUM:	826.2	ppm	TDS:	8860.254 ppm	
			POTASSIUM:	5.0 ppm	
			SODIUM :	1178.1 ppm	
H2S:	0	ppm	CHLORIDES:	4400.0 ppm	
			RESISTIVITY:	1.94 ohm/meter	
IRON:	0	ppm	BICARBONATES:	1769.0 ppm	
			CALCIUM:	680.0 ppm	
pH:	8.3		SULFATES:	0 ppm	
SPECIFIC GRAV	41 <b>Y</b> : 1	AT 67 Degrees r			

CaCO3 Scale Tendency = Probable CaSO4 Scale Tendency = Remote

**REMARKS**:



Water Analysis Results Sheet Farmington NM 708 S. Tucker Phone:(505)325-4192 Fax:(505)564-3524 Zip:87401

Attachment VII – 4c

Operator:	Dugan Porducion	Date:	June 25, 2002
Well :	Turks Toast #1	District:	Farmington
Formation:	Dakota	Requested by:	John Alexander
County:	n/a	Technician:	Mike Brown
Depth:	n/a	Source:	n/a

## PHYSICAL AND CHEMICAL DETERMINATION

MAGNESIUM:	923.4	ррт	TDS:	32935.91 ppm	
			POTASSIUM:	91.0 ppm	
			SODIUM :	10655.7 ppm	
H2S:	0	ррт	CHLORIDES:	20000.0 ppm	
			RESISTIVITY:	0.2 ohm/meter	
IRON:	0	ррт	BICARBONATES:	585.6 ppm	
			CALCIUM:	680.0 ppm	
pH:	7.3		SULFATES:	0 ppm	
SPECIFIC GRAV	///Y: 1	AT 67 Degrees F.			

CaCO3 Scale Tendency = Remote CaSO4 Scale Tendency = Remote

REMARKS:



Water Analysis Results Sheet Farmington NM 708 S. Tucker Phone:(505)325-4192 Fax:(505)564-3524 Zip:87401

Attachment VII – 4d

Operator:	Dugan Porducion	Date:	June 25, 2002	
Well :	Turks Toast #6	District:	Farmington	
Formation:	Gallup	Requested by:	John Alexander	
County:	n/a	Technician:	Mike Brown	
Depth:	n/a	Source:	n/a	

## PHYSICAL AND CHEMICAL DETERMINATION

MAGNESIUM:	1563.9	ррт	TDS:	13933.63 ppm	
			POTASSIUM:	29.0 ppm	
			SODIUM :	2502.4 ppm	
H2S:	0	ppm	CHLORIDES:	9108.9 ppm	
			RESISTIVITY:	0.55 ohm/meter	
IRON:	0	ppm	BICARBONATES:	253.7 ppm	
			CALCIUM:	475.2 ppm	
pH:	7.5		SULFATES:	0 ppm	
SPECIFIC GRA	VITY: 1.0 <sup>-</sup>	1 AT 67 Degrees F.			

CaCO3 Scale Tendency = Remote CaSO4 Scale Tendency = Remote

**REMARKS**:



Water Analysis Results Sheet Farmington NM 708 S. Tucker Phone:(505)325-4192 Fax:(505)564-3524 Zip:87401

Attachment VII – 5a

Operator:	Dugan Production	Date:	May 24, 2002	
Well :	Locke #1	District:	Farmington	
Formation:	Mesa Verde	Requested by:	John Alexander	
County:	San Juan	Technician:	Mike Brown	
Depth:	n/a	Source:	Well	
{				

## PHYSICAL AND CHEMICAL DETERMINATION

SPECIFIC GRAV	VITY:	1.05	AI 67 Degrees F.			
pH:	6.89			SULFATES:	0 ppm	
ſ				CALCIUM:	647.6 ppm	
IRON:	10	ppm	1	BICARBONATES:	348.6 ppm	
				RESISTIVITY:	0.12 ohm/meter	
H2S:	0	ppm	1	CHLORIDES:	24000.0 ppm	
				SODIUM :	12274.5 ppm	
ſ				POTASSIUM:	300.0 ppm	
MAGNESIUM:	1411.7	ppm	l	TDS:	38992.56 ppm	

CaCO3 Scale Tendency = Remote CaSO4 Scale Tendency = Remote

**REMARKS**:

	SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
	<ul> <li>Complete items 1, 2, and 3. Also complete item 4 if Restricted Derivery is desired.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece,</li> </ul>	A. Received by (Please Print Clearly) B. Date of Delivery Virginia Barber, BLM (2/11/- C. Signature X () (10)
	or on the front if space permits.  1. Article Addressed to:	D. is delivery address different from item 1? Ves
· .	Mr. Ray Sanchez	IT TES, enter delivery address below: Li No
nt XIV – 1	Jarmington, NM 1235 La Plata Any. Jarmington, NM 87401	3. Service Type Certified Mail Express Mail Registered Keturn Receipt for Merchandise Insured Mail C.O.D.
	2. Article Number (Copy from service label)	4. Restricted Delivery (Extra Fee) U Yes
	PS Form 3811, July 1999 Domestic Re	turn Receipt 102595-00-M-0952
	SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
	<ul> <li>Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>Print your name and address on the reverse</li> </ul>	A. Received by (Please Print Clearly) B. Date of Derivery
	<ul> <li>So that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	X Share Reclamatic Agent
	1. Article Addressed to:	D. Is delivery address different from item 1?  Yes If YES, enter delivery address below: No
	Mr. Dave Gelson, District Jorman	
	Justar Exploration + Production P.D. Box 1656	3. Service Type Certified Mail Express Mail Registered Return Receipt for Merchandise Insured Mail C.O.D.
	2. Article Number (Coav from service label)	4. Restricted Delivery? (Extra Fee)  Yes
	7000 DS 5	1670 2010 2492 5008
		um necelpi 102595-00-M-0952
	SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
	<ul> <li>Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece,</li> </ul>	C. Signature
	or on the front if space permits.  1. Article Addressed to:	D. Is delivery address different from item 1? U Yes If YES, enter delivery address below: U No
	Mr. David Richardson Richardson Operating Co.	
	3100 La Plata Any. Jarmington, NM 97401	3. Service Type     Certified Mail Express Mail     Registered Return Receipt for Merchandise     Insured Mail C.O.D.     4. Restricted Delivery? (Extra Fee) Yes
	2. Article Number (Copy from service label) 7 mm	D 1670 0010 0492 5015
	PS Form 3811, July 1999 Domestic Retu	urn Receipt 102595-00-M-0952

Attachm

## **AFFIDAVIT OF PUBLICATION**

Ad No. 46566

## STATE OF NEW MEXICO **County of San Juan:**

CONNIE PRUITT, being duly sworn says: That she is the Advertising Manager of THE DAILY TIMES, a daily newspaper of general circulation published in English at Farmington, said county and state, and that the hereto attached Legal Notice was published in a regular and entire issue of the said DAILY TIMES, a daily newspaper duly qualified for the purpose within the meeting of Chapter 167 of the 1937 Session Laws of the State of New Mexico for publication on the following day(s): Friday, August 2, 2002.

And the cost of the publication is \$25.46

ON 8/15/07 CONNIE PRUITT appeared before me, whom I know personally to be the person who signed the above document.

May 3, 2003

## COPY OF PUBLICATION

918 Legals
DUGAN PRODUCTION
Corp., P.O. Box 420,
Farmington, NM 87499 (505-
325-1821), has made
application to the New Mexico
Oil Conservation Division to
convert the lunk's loast #4 to
Salt water disposal service.
Terry Kochie Thie well is
located 1850' FSI & 790'
FWI of Section 17, T-30N, B-
14W. San Juan County, New
Mexico, Disposal will be into
the Mesaverde Point Lookout
formation at 3585'. Maximum
injection pressure will be 717
psi. Maximum injection rate
will be 1000 barrels of water
daily. Interested parties must
tile objections or request for
nearing with the Oil
South St. Empoie Drive Santa
Fo NM 97505 within 15 days
1 6, NW 07505. WILLIST 15 Udys.

Legal No. 46566, published in The Daily Times, Farmington, New Mexico, Friday, August 2,2002.