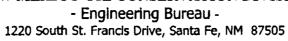
DATE IN	SUBPENSE	ENGINEER	LOGGED IN	TYPE	APP NO.

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION





		ADMINISTRATIVE APPLICATION CHECKLIST
Ţ	HIS CHECKLIST IS	MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE
Appli	VOG-DHQ) 4-D9)	
[1]	TYPE OF A [A]	PPLICATION - Check Those Which Apply for [A] Location - Spacing Unit - Simultaneous Dedication NSL NSP SD
	Chec [B]	k One Only for [B] or [C] Commingling - Storage - Measurement DHC CTB PLC PC OLS OLM
	[C]	Injection - Disposal - Pressure Increase - Enhanced Oil Recovery WFX PMX SWD PII EOR PPR
	[D]	Other: Specify
[2]	NOTIFICAT	TION REQUIRED TO: - Check Those Which Apply, or □ Does Not Apply □ Working, Royalty or Overriding Royalty Interest Owners
	[B]	Offset Operators, Leaseholders or Surface Owner
	[C]	Application is One Which Requires Published Legal Notice
	[D]	Notification and/or Concurrent Approval by BLM or SLO U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
	(E)	For all of the above, Proof of Notification or Publication is Attached, and/or,
	[F]	Waivers are Attached
[3]	SUBMIT AC	CURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE ATION INDICATED ABOVE.
[4] approv applic	val is accurate a	TION: I hereby certify that the information submitted with this application for administrative and complete to the best of my knowledge. I also understand that no action will be taken on this equired information and notifications are submitted to the Division.
	Bill) E. Prichai	Belly E trucken 6/15/09
Print o	r Type Name	Signature / Title Date
		billy@pwllc.net

e-mail Addre BEFORE THE OIL CONSERVATION DIVISION

JUDAH OIL, L.L.C. Hearing Date: April 24, 2009 STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, New Mexico 87505 FORM C-108 Revised June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

1.	Application qualifies for administrative approval? X Yes No
П.	OPERATOR: Judah Oil, LLC
	ADDRESS: PO Box 568 Artesia, NM 88211
	CONTACT PARTY: Blaise Campanella PHONE: 575-748-5488
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.
ſ٧.	Is this an expansion of an existing project? Yes X No If yes, give the Division order number authorizing the project:
V.	Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
VI.	Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
VII.	Attach data on the proposed operation, including:
	 Proposed average and maximum daily rate and volume of fluids to be injected; Whether the system is open or closed; Proposed average and maximum injection pressure; Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and, If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
•VIII	. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
IX.	Describe the proposed stimulation program, if any.
*X.	Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted)
*XI.	Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
XII.	Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
XIII.	Applicants must complete the "Proof of Notice" section on the reverse side of this form.
XIV.	Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
	NAME: Billy(Bill) E. Prichard SIGNATURE: Billy E. Prichard DATE: 6/15/09
•	E-MAIL ADDRESS: https://document.com/buile.net 432-934-7680 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:

Judah Oil, L.L.C. MWJ State # 001Y API # 30-015-23888 860 FSL X 2020 FWL

Unit Letter "N", Section 30, T24S, R29E Eddy County, New Mexico C108 (Application for Authorization to Inject)

ĭ.

The purpose of this application is for administrative approval of the conversion of the MWJ State # 001Y from a Delaware oil well to a commercial Delaware salt water disposal well through perforations from 3630-4975 feet.

п

Operator: Judah Oil, L.L.C.

Address: PO Box 568

Artesia, New Mexico 88211

Contact Party: Blaise Campanella

Phone: 575-748-5488

III.

Well Data - Please see Exhibit "A"

IV.

This is not an expansion of an existing project

V.

Please see Exhibit "B"

VI.

There were 2 wells identified in the 0.5 mile area of review. I well did not penetrate the proposed disposal interval. I well did penetrate the proposed disposal interval.

Area of Review - Please see Exhibit "C"

VII.

Anticipated daily injection rate of 3000 BWPD with a maximum daily injection rate of 4000 BWPD.

This will be an open system.

Anticipated average injection pressure of 250psi with a maximum injection pressure of 726 psi.

Please see Exhibit "D" for analysis of possible water disposed in the MWJ State #001Y

Please see Exhibit "E" for analysis of typical Delaware formation water

VIII.

The Delaware formation is Permian age sandstone. Above the Delaware is the Lamar Limestone and below the Delaware is the Bone Springs formation. Fresh water is contained in the alluvial fill with depths ranging from 120-350ft. Permitted oil and gas wells in the area have surface casing set at 500-600feet.

IX.

No stimulation is planned unless disposal rates and pressures dictate.

X.

Well logs and completion data previously filed with NMOCD Enclosed is copy of cement bond log that was ran in 1999

XI.

Several fresh water wells were identified in the 1.0 mile area of review. Please see Exhibit "F" for analysis of fresh water from wells in the area.

XП.

Available geological data has been examined and shows no evidence of open faults or any hydrological connection between the proposed disposal zone and any underground sources of drinking water.

XIII.

Please see Exhibit "G" for "Proof of Notice" and "Proof of Publication"

Judah Oil, L.L.C. MWJ State # 001Y API # 30-015-23888 860 FSL X 2020 FWL

Unit Letter "N", Section 30, T24S, R29E Eddy County, New Mexico Well Data

Spud 7/12/1981 as Bone Springs Test
13 3/8" 59.4# J55 casing at 429feet in 17 ½" hole.
Cemented with 520 sacks Class "C" cement with additives.
Cement circulated to surface.

8 5/8" 24# & 32# K55 casing at 2710feet in 12 1/2"hole. Cemented with 2500sacks Howco Lite followed by 200sacks Class "C". Cement circulated to surface.

4 ½" 10.5# & 11.6# J55 & N80 casing at 8202feet in 7 7/8" hole. DV Tool at 4796feet.

 1^{st} Stage - 765sacks Class "C" 50/50 Poz with 2% gel, 6# Salt, 5/10% CFR-2 & ¼# flocele. 2^{ud} Stage - 600sacks Lite with 5/10% CFR-2 & ¼# flocele followed by 700 sacks Class "C" 50/50 Poz with 2% gel, 6# Salt, 5/10% CFR-2.

Cement Bond Log ran in 1999 indicates top of cement at 1418feet.

Bone Springs perforations 6700-7735feet.

Cast iron bridge plug set at 5280feet.

Delaware perforations 4881-4975feet.

Production Summary of api:3001523888 pool:PIERCE CROSSING; BONE SPRING, SOUTH

producing year	Oil	Gas	Water	Co2
1992**	10334	22068	26509	0
1998	1396	0	1850	0
1999	721	2999	2181	0
summary	2117	2999	4031	0

Production Summary of api:3001523888 poof:WILLOW LAKE; DELAWARE

producing year	Oil	Gas	Water	Co2
1999	265	309	106	0
2000	377	67	404	0
2001	1969	3211	4005	0
2002	1237	2452	3771	0
2003	1183	2620	3277	0
2004	1130	1912	2515	0
2005	1039	1823	2527	0
2006	1075	2678	2405	0
2007	1117	1961	3182	0
2008	799	1781	3014	0
2009	29	1	310	0
summary	10220	18815	25516	0

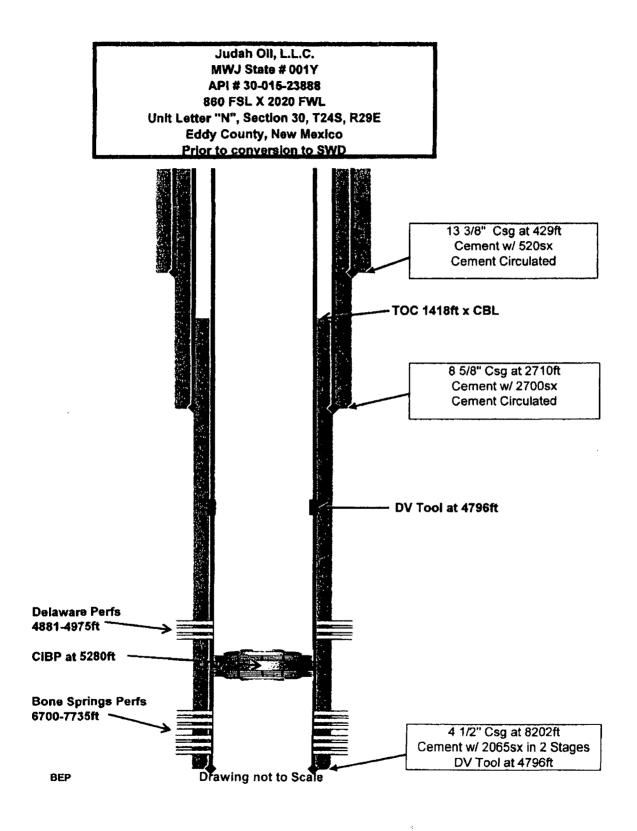


Exhibit "A"

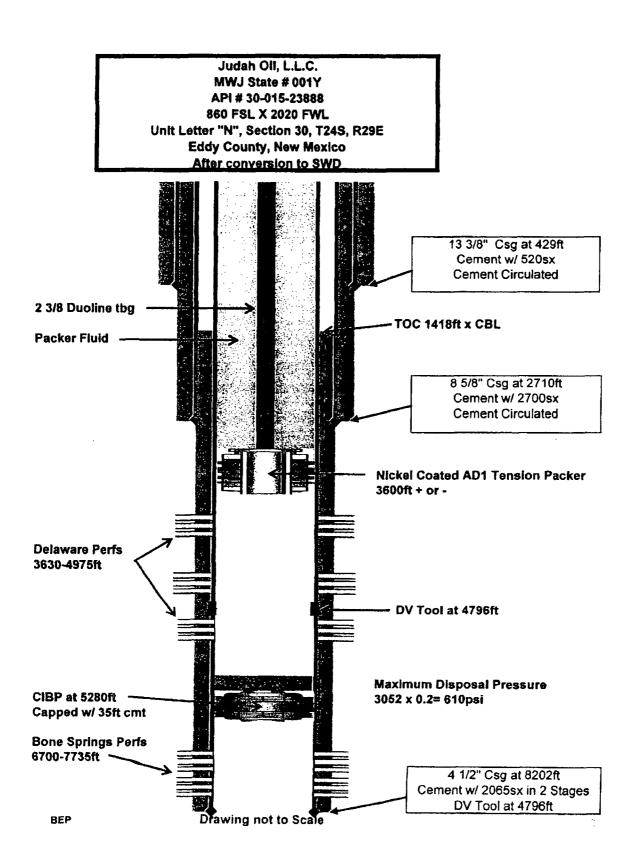


Exhibit "A"

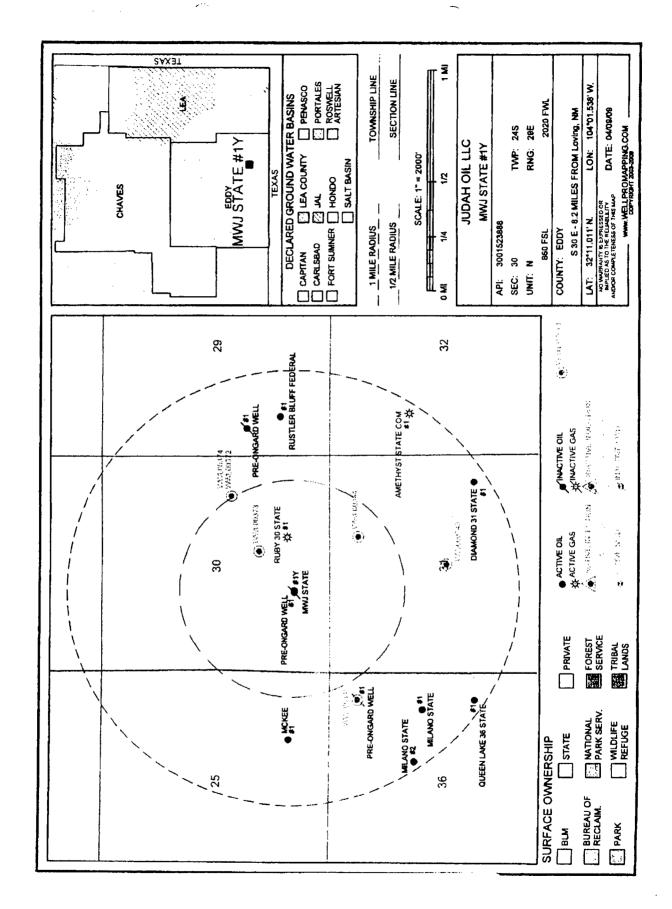


Exhibit "B"

Judah Oil, L.L.C. MWJ State # 001Y Wells in AOR

TVD 8202	2721	3400	2795	5300	2947	9699	6492	6591	13650	13489	2360
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SEC 39	30	30	ജ	22	53	53	ဗ္တ	સ	ജ	33	ജ
RNG 29E	29E	29E	28E	28E	29E	29E	28E	29E	28E	29E	28E
ST TWN F A 24S	248	24S	24S	248	24S	24S	24S	24S	24S	24S	24S
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WELL 001Y	~-	_	-	~	-	-	-	-	-	~	7
LEASE MWJ STATE	Pow	RUBY 30 STATE	POW	MCKEE	POW	RUSTLER BLUFF FEDERAL	MILANO STATE	DIAMOND 31 STATE	QUEEN LAKE 36 STATE	AMETHYST STATE COM	MILANO STATE
OPERATOR JUDAH OIL	POWO	NEARBURG	POWO	NGX	POWO	•		·	PRIMERO	NEARBURG	PRIMERO
API 3001523888	3001523830	3001526797	3001502510	3001528268	3001503712	3001527082	3001527614	3001526841	3001525806	3001526542	3001528141
RAD	40	1265	3103	3670	4051	4185	4211	4941	5012	5048	5073
	-	7	ო	4	S	ဖ	7	œ	တ	9	7

Wells located within 0.5 mile area of review

POWO= Pre-Ongard Well Operator POW = Pre-Ongard Well

990 FSL X 1980 FEL Unit Letter "O", Section 30, T24S, R29E **Eddy County, New Mexico** Anhy 1185 B. Salt 2541 13 3/8" 48# Csg at 598ft Delaware 2770 Cement w/ 600sx Cherry Canyon 3660 Cement Circulated Bone Springs 6491 Wolfcamp 9697 Strawn 11844 Atoka 12073 **Morrow 12554** 9 5/8" 36# Csg at 2760ft Cement w/ 1500sx Cement Circulated Cement Circulated to 1200ft w/ 1500sx Bone Springs 6560-6638ft Squeeze perf 7104-7107ft TOC 8730ft x CBL CIBP at 8800ft w/ 10ft cmt Bone Springs 8866-8910ft CIBP at 9200ft w/ 35ft Cmt Cap TOL at 9721ft 7" 26-32# Csg at 10120ft Cement w/ 275sx 50/50 Poz Atoka Perfs 12148-12155ft TOC 8730ft x CBL Cement Squeezed? CIBP at 12216ft w/ Cmt Cap 4 1/2" 13.50# Liner at 13400ft Morrow Perfs 12766-13093 Cement w/ 400sx TOL squeezed w/ 370sx BEP Drawing not to Scale

Nearburg Producing Company Ruby 30 State # 001 API # 30-015-26797

Exhibit "C"

Judah Oil,LLC MWJ State # 001Y Water Analysis of

Possible Produced Water delivered to MWJ State # 001Y

Teledyne; Morrow	Remuda; Devonian	Remuda; Bone Springs	Livingston Ridge; Bone Springs	Cedar Canyon; Delaware	Pool or Field
	24		13	21	Section .
238	23S	23S	24S	24S	Township
29E	29E	29E	29E	29E	Range
62523	64582	271010			TDS
37600	37500	168800	164963	62849	Chlorides

Exhibit "D"

Data obtained from http://octane.nmt.edu

Judah Oil, L.L.C. MWJ State # 001Y API # 30-015-23888 860 FSL X 2020 FWL Unit Letter "N", Section 30, T24S, R29E Eddy County, New Mexico

	Typical	Delaware	Water	Analysi	S
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***	HOPI FI	inRAL 001	
4,01	3001529367	Cample Nevaher	
UsioSaction' TaxinshallPacge	F/01/25S/ 28E	÷id	WILLOW LAKE
Operty	Eddy	emmatica	DEL
State	NM	u opti	
Lautoni	32.16122 / - 104.04209	Rample Source	
(TDS INTO!)	(301207)	/ater Type	
Date(MM/DD/YYYY)	2/2/2000	chalysis Cate(MM/DD/YYYY)	2/9/2000
Remarks/Description	.		
Cation Info	ormation	Anion Info (mg/	
Cation Info	ormation		
Cation Info (mg	ormation /L)	(mg/	L)
Cation Info (mg/ Potassium (K)	ormation /L) 746.928	(mg/	L) 84.987
Cation Info (mg/ Potassium (K) Sodium (Na)	ormation /L) 746.928 109024	(mg/	L) 84.987 221998
Cation Info (mg/ Potassium (K) Sodium (Ns) Catolum (Ca)	746.928 109024 25348.9	(mg/	84.987 221998 0
Cation Info (mg/ Potassium (K) Sodium (Na) Calcium (Ca) Magnesium (Mg)	746.928 109024 25348.9 2749.51	(mg/	84.987 221998 0
Cation Info (mg/ Potassium (K) Sodium (Na) Calcium (Ca) Magnesium (Mg) Banum (Ga)	746.928 109024 25348.9 2749.51	(mg/ nlonde (Ch) Carbonate (CO ₅) Scarbonate (HCO ₅) edroxide (OH) edrogen Soffice	84.987 221998 0 74.4534

Data obtained from http://octane.nmt.edu

Judah Oil, L.L.C. MWJ State # 001Y API # 30-015-23888 860 FSL X 2020 FWL Unit Letter "N", Section 30, T24S, R29E Eddy County, New Mexico

Fresh Water Analysis T24S, R29E

General Information About: Sample 26884

Section/ Fownship/Range	07 / 24 S / 29 E	Latitiong	32.2321 / - 104.0228
Elevation	2974	Depth	160
Date Collegiad	4/4/1985	Chlorides	2150
Catestor / Point of Collection	SEO / TS@57	ise	Irrigation Water
Formation	CAST	rds	0

General Information About: Sample 11583 Section/ Township/Range 29 / 24 S / 29 E Lat/Long 32.1884 / -104.0057 Elevation 0.0 norm 0 Date Collected 5/8/1972 Chlorides 8750 - Collector / Point of Collection USG / ... Observation Formation OAL TDS 0

General Information About: Sample 11616 Section/ Township/Range 30 / 24 S / 29 ElastLong 32.1884 / -104.0228 Elevation 0 Lepth 0 Date Collected 5/10/1972 Objection 11600 Collector / Point of Collection USG / Use Observation Formation OAL TDS 0

Data obtained from http://octane.nmt.edu

Legal Notice

Judah Oil ,L.L.C., PO Box 568, Artesia, New Mexico 88210 has filed form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval of the conversion of the MWJ State # 001Y, API #30-015- 23888, 860 FSL X 2020 FWL, Unit Letter "N", Section 30, Township 24 South, Range 29 East, Eddy county, New Mexico from a Delaware oil well to a Delaware commercial salt water disposal well. The disposal interval would be the Delaware formations through perforations from 3630-4975ft feet. Disposal fluid would be produced water trucked in from numerous producing formations in SE New Mexico. Anticipated disposal rate of 3000 BWPD with a maximum disposal rate of 4000 BWPD. Anticipated disposal pressure 250 psi with a maximum disposal pressure of 726 psi.

All interested parties opposing the aforementioned must file objections with the New Mexico Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505 with in 15 days. Additional information can be obtained by contacting Blaise Campanella 575-748-5488.

Judab Oil, L.L.C.
MWJ State # 001Y
API # 30-015-23888
860 FSL X 2020 FWL
Unit Letter "N", Section 30, T24S, R29E
Eddy County, New Mexico

Notified Parties

Surface Owner and Mineral Owner
State of New Mexico
New Mexico State Land Office
PO Box 1148
Santa Fe, New Mexico 87504-1148

Surface Lessee
Scott Branson
PO Box 1502
Carlsbad, New Mexico 88221-1502

Other Parties
Nearburg Producing Company
PO Box 823085
Dallas, Texas 75382

Northstar Operating Company PO Box 10708 Midland, Texas 79702

Bureau of Land Management 2909 W. Second Street Roswell, New Mexico 88201

Bettis Brothers, Inc & HNG Oil Company PO Box 1240 Graham, Texas 76450

NGX Company PO Box 5 Roswell, New Mexico 88202-0005

Primero Operating, Inc PO Box 1433 Roswell, New Mexico 88202-1433

> Murchison Oil and Gas, Inc 1100 Mira Vista Blvd Plano, Texas 75093

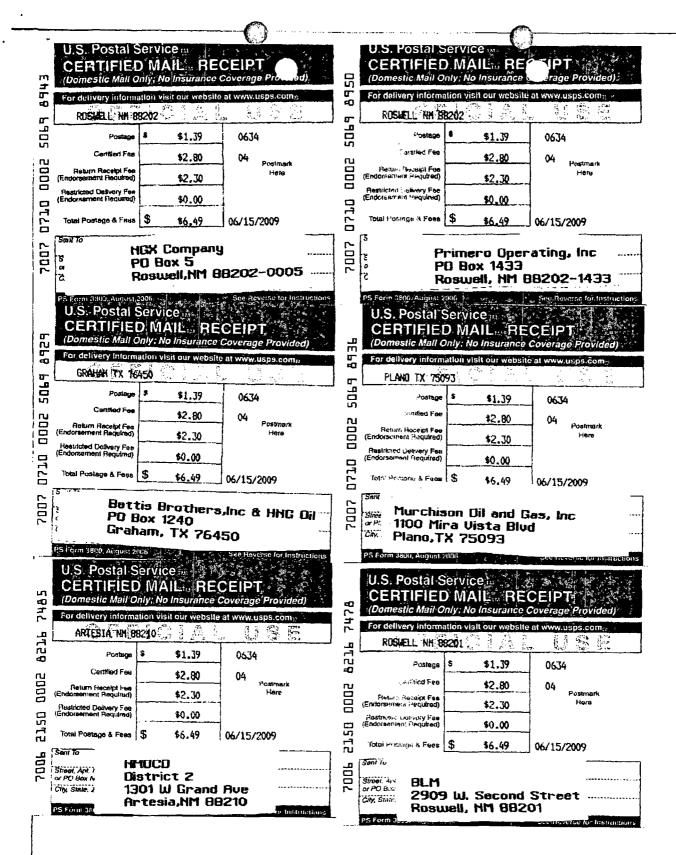


Exhibit G

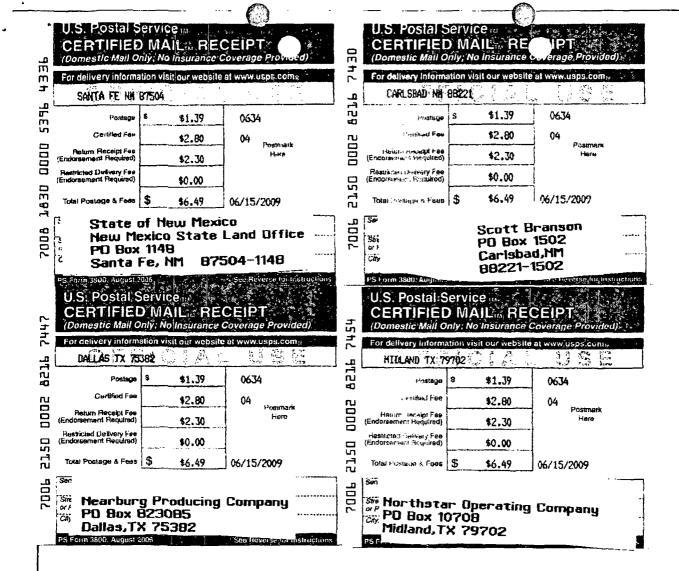


Exhibit "G"