

APPLICATION FOR AUTHORIZATION TO INJECT

I. PURPOSE: _____ Secondary Recovery _____ Pressure Maintenance ☒ Disposal _____ Storage
Application qualifies for administrative approval? ☒ Yes _____ No

II. OPERATOR: **Judah Oil, L.L.C**

ADDRESS: **PO Box 568** **Artesia, NM 88211**

CONTACT PARTY: **Billy E. Prichard**

PHONE: **575-390-9100**

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 ☒ 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:

Oil Conservation Division

Case No. _____

Exhibit No. 2

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. 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 E. Prichard**

TITLE: **Agent for Judah Oil, LLC**

SIGNATURE: *Billy E. Prichard* DATE: _____

E-MAIL ADDRESS: **shabillron01@warpdriveonline.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: _____

**Judah Oil, LLC
C-108 (Application for Authorization to Inject)
Geronimo 27 State Com # 002
API # 30-015-31716
990 FSL X 660 FWL
Unit Letter "M", Section 27, T17S, R28E
Eddy County, New Mexico**

- I. The purpose of this application is for the conversion after re-entry of the plugged and abandoned Geronimo 27 State # 002 to a commercial salt water disposal well. This application qualifies for administrative approval.**
- II. Judah Oil, LLC
PO Box 568
Artesia, New Mexico 88211
Contact; Blaise Campanella 575-748-5488**
- III. Well data – Attachment A**
- IV. This is not an expansion of an existing project.**
- V. Map of Area of Review – Attachment B**
- VI. Wells in AOR – Attachment C - Previously submitted 1/7/2008**
- VII. The proposed daily disposal rate is expected to be 4000 BWPD with a maximum disposal rate of 8000 BWPD.
This will be an open system
The proposed average disposal pressure is expected to be 0 psig with a maximum disposal pressure of 1556 psig. $0.2\text{psi/ft} \times 7782\text{feet}$
The disposed fluid will be produced water trucked in from numerous producing formations in southeastern New Mexico. – Attachment D
Previously submitted 1/7/2008**
- VIII. Geological Data – Attachment E – Previously submitted 1/7/2008**
- IX. No stimulation is planned unless rates and pressures dictate.**
- X. Logs and completion data submitted by a previous operator.**
- XI. No fresh water wells were identified in the 1.0 mile AOR.
Previously submitted 1/7/2008**
- XII. Affirmative water statement – Attachment F**
- XIII. Proof of Notify and Proof of Publication – Attachment G**

Attached is the Judah Oil, LLC inactive well list

**Judah Oil, LLC
C108(Application for Authorization to Injection)
Geronimo 27 State Com # 002
API # 30-015-31716
990 FSL X 660 FWL
Unit Letter "M", Section 27, T17S, R28E
Eddy County, New Mexico**

**Well drilled as Morrow Test
Spud 5/1/2001**

**13 3/8" 48# H40 casing set in 17 1/4" hole at 440feet. Cemented with 250sacks 35/65
Poz Class "C" followed with 180sacks Class "C". Cement circulated to surface**

**9 5/8" 36# J55 casing set in 12 1/4" hole at 2700feet. Cemented with 670sacks 35/65
Poz followed with 285sacks Class "C". Cement circulated to surface**

**5 1/2" 17# N80 & S-95 casing set in 7 7/8" hole at 10603ft. DV tool at 5481ft
Cement 1" Stage with 250sacks 50/50 Poz Class "H" followed with 625sacks TXI
Lite. Cement on 1" Stage circulated to DV tool
Cement 2nd Stage with 710sacks 50/50 Poz Class "H" followed with 50sacks
Class "C". Top of cement at 2186feet by CBL**

**Morrow Perforations 10144-10384feet. Morrow non productive
CIBP set at 10100feet capped with 35feet of cement**

**Atoka Perforations 9856-9872feet. Atoka non productive
CIBP set at 9800feet capped with 35feet of cement**

**Wolfcamp Perforations 7860-7898feet. Non productive
CIBP set 7830ft capped with 35feet of cement**

**Wolfcamp Perforations 7168-7180feet. Non Productive
CIBP set at 7110feet capped with 35feet of cement**

**5370feet - 25sack cement plug
3370feet - 25sack cement plug
2750feet - 25sack cement plug - tagged at 2474feet
Cut and pull 5 1/2" casing from 2062feet
2112feet - 30sack cement plug - tagged at 1989feet
490feet - 40sack cement pug - tagged at 330feet
60feet to surface - 20sack cement plug
PA 11/1/2004**

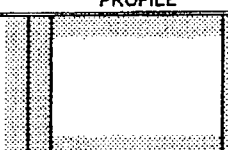
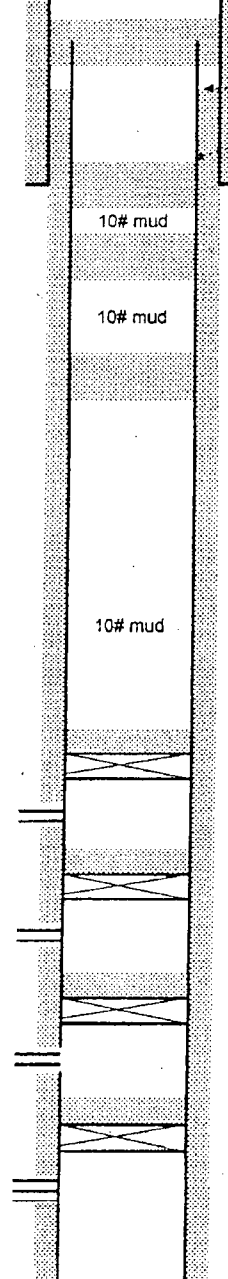
Attachment A

Judah Oil, LLC
API # 30-015-31716
Well bore diagram prior to conversion to SWD

API: 30-015-31716
 LEASE: GERONIMO 27 STATE COM
 WELL: NO. 2
 AREA: EDDY CO., NM
 FIELD:

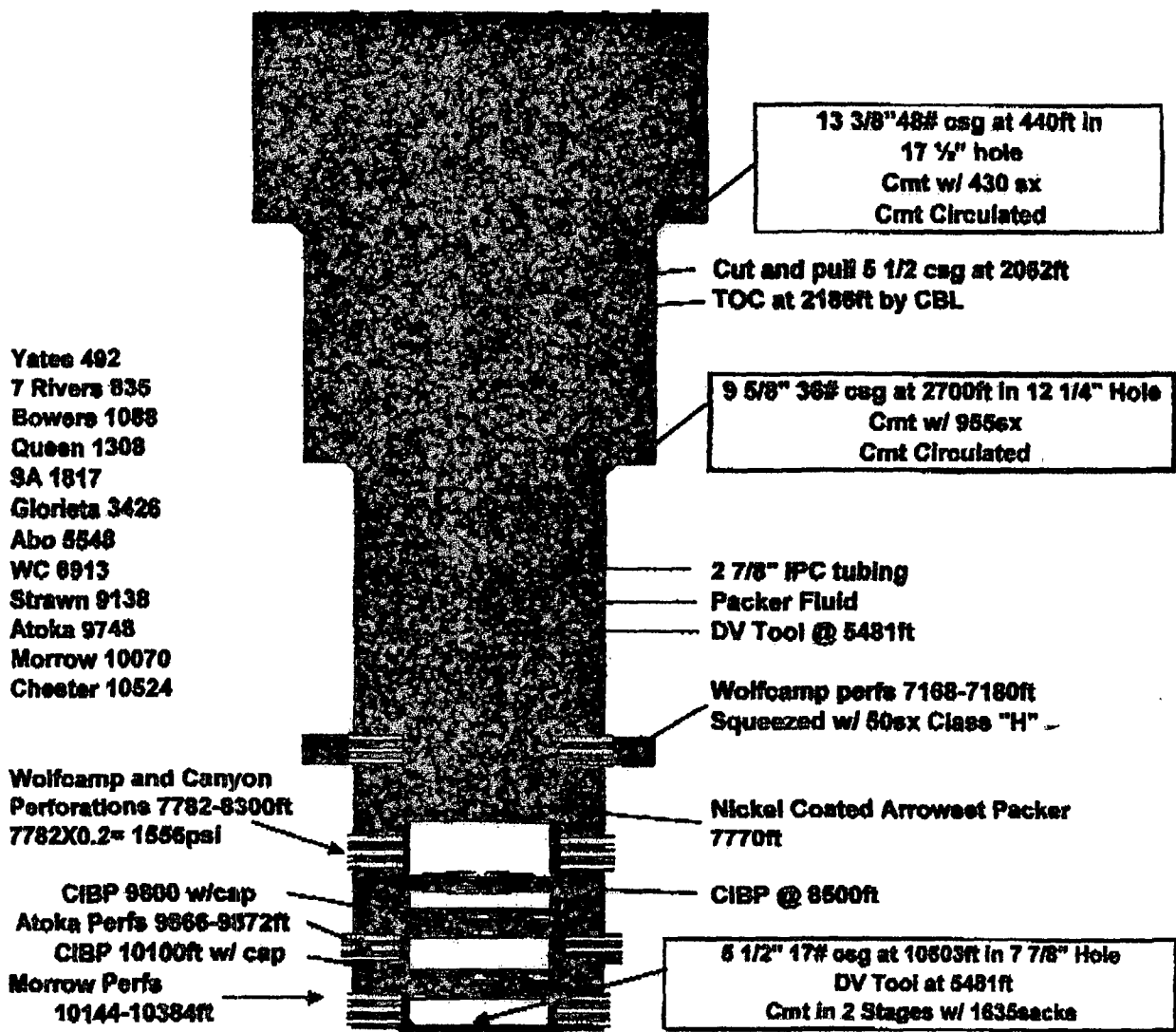
OPERATOR: DOMINION
 SURF LOC: SWSW SECTION 28, T17S, R28E
 990 FSL + 660 FWL
 X:
 Y:

SPUD: 5/1/2001
 TD: 5/27/2001
 ELEV. 3,684'
 KB: 3,705'

FIELD:		Y:		RD:		CITY:		MAXIMUM DOGLEG SEVERITY		
DIRECTIONAL	OPEN HOLE LOGGING	SANDS/ MARKERS	DEPTH		CASING PROFILE	HOLE SIZE	CASING DETAILS	MUD WT. & TYPE		
			TVD	MD						
			440'	440'		60' spot 20 sx plug to surface 17 1/2"	13-3/8", 48# H-40, STC	SPUD MUD		
		Seven Rivers Queen San Andres	737' 1310' 2027'	737' 1310' 2027'		430 sx, circ cement 490' spot 40 sx plug, tag @ 330' 12 1/4" 2,112 spot 30 sx plug, tag @ 1989' 2062' cut off 5-1/2" TOC @ 2,186' (CBL) 2,750 spot 25 sx plug, tag @ 2474' 9 5/8" 36# J-55				
STRAIGHT HOLE			2700	2700			955 sx, circ cement Sqzd shoe w/ 325 sxs 3,370 spot 25 sx plug, calc top 3117' 5,370 spot 25 sx plug, calc top 5117' DV Tool @ 5481' 7 7/8" 10# mud CIBP - 7,110 w/ 35' cmt. TOC - 7,075' CIBP - 7,830 w/ 35' cmt. TOC - 7,795' CIBP - 9,800 w/ 35' cmt, TOC 9765' CIBP - 10,100 w/ 35' cmt. TOC - 10,065' 5-1/2", 17# N-80, S-95 1635 sx (1st stage 875 sx, 2nd stage 760 sx)			
		Glorieta Tubb Abo Wolfcamp Wolfcamp perms 7,168' - 7,180' 2 SPF Acidize 1500 gal 15% BTBR Wolfcamp perms 7,860' - 7,898 Cisco Strawn Atoka Atoka perms 9,886-9,872' Acidize 750 gal 15% w/ 10% MEOH + clay control Frac 132 BBL 70Q w/ 21000# 20/40 Morrow Morrow perms 10,144-10,154'; 10,160'-10,165'; 10,378'-10,384'; 4spf Acidize 1500 gal 15% w/ 10% MEOH + clay control TD	3490' 5060' 5664' 6976' 7586' 7950' 9480' 9750' 10100' 10,610'	3490' 5060' 5664' 6976' 7586' 7950' 9480' 9750' 10100' 10,610'						

ATTACHMENT A

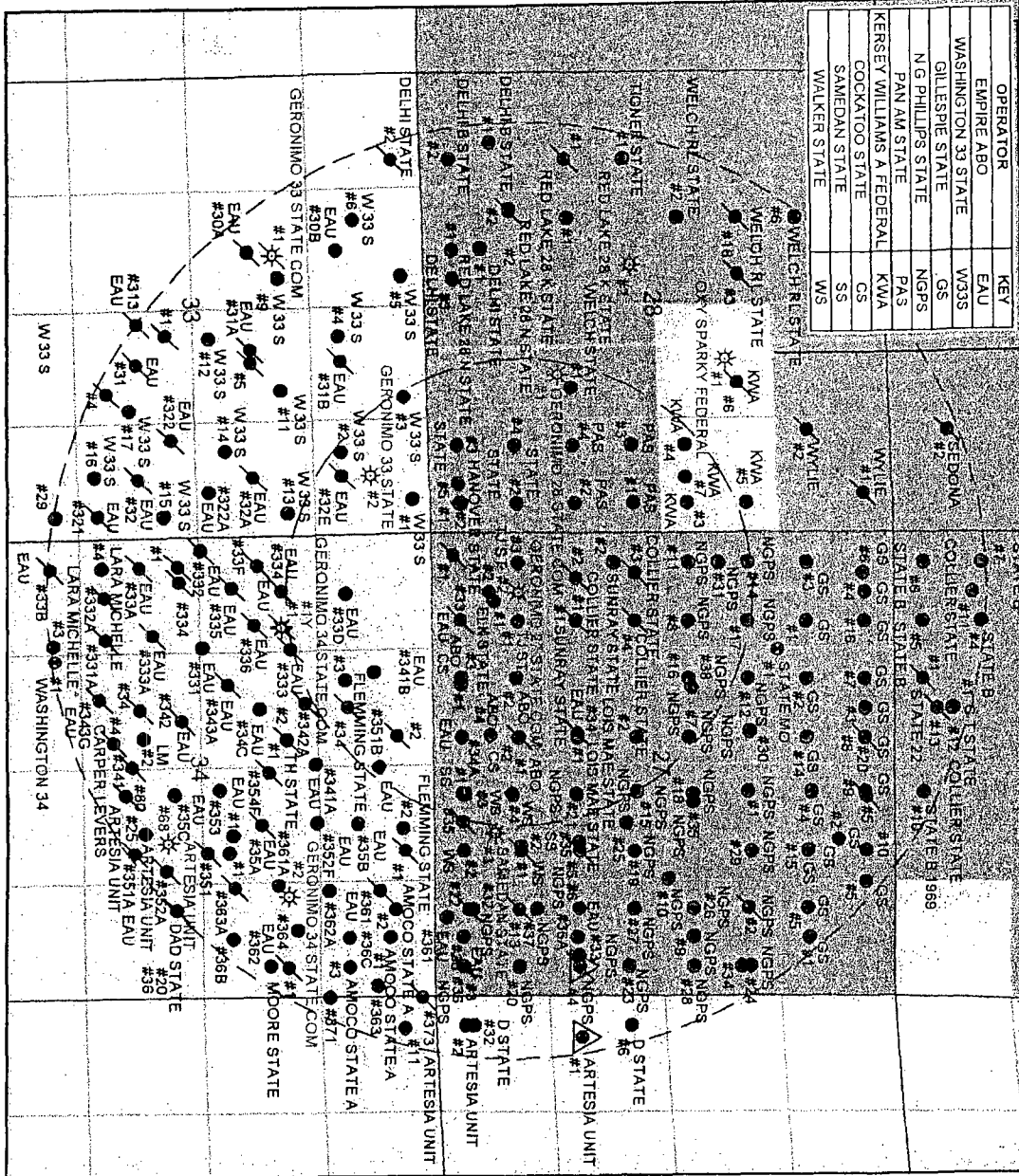
Judah Oil, LLC
 Geronimo 27 State Com # 002
 API # 30-015-31716
 990 FSL X 660 FWL
 Unit Letter "M", Section 27, T17S, R28E
 Eddy County, New Mexico
 Spud 05/01/2001 as Morrow Test
 Plugged and Abandoned 11/01/2004
 After Conversion to SWD



BEP

Drawing not to scale

OPERATOR	KEY
EMPIRE ABO	EAU
WASHINGTON 33 STATE	W33S
GILLESPIE STATE	GS
NG PHILLIPS STATE	NGPS
PAN AM STATE	PAS
KERSEY WILLIAMS A FEDERAL	KWA
COCKATOO STATE	CS
SAMEDAN STATE	SS
WALKER STATE	WS



SURFACE OWNERSHIP

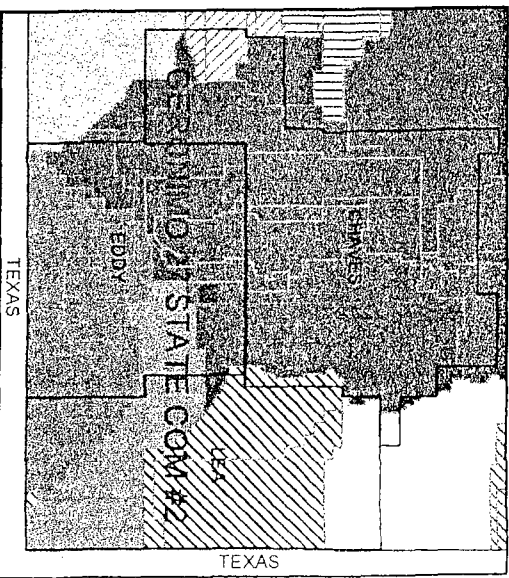
BLM STATE PRIVATE

BUREAU OF RECLAIM. NATIONAL PARK SERV. FOREST SERVICE

PARK WILDLIFE REFUGE TRIBAL LANDS

ACTIVE OIL ACTIVE GAS ACTIVE INJECTION ACTIVE WATER INACTIVE OIL INACTIVE GAS INACTIVE INJECTION INACTIVE WATER INACTIVE SMD

WATER WELL



DECLARED GROUND WATER BASINS

CAPITAN LEA COUNTY PENASCO CARLSBAD JAL PORTALES FORT SUMNER HONDO ROSWELL ARTESIAN SALT BASIN

1 MILE RADIUS TOWNSHIP LINE

1/2 MILE RADIUS SECTION LINE

SCALE: 1" = 2000'

0 MI 1/4 1/2 1 MI

DOMINION OKLAHOMA TEXAS EXPL. & PROD INC

GERONIMO 27 STATE COM #2

API: 3001531716

SEC: 27 TWP: 17S

UNIT: M RNG: 28E

990 FSL 660 FWL

COUNTY: EDDY

S 78 E - 13.8 MILES FROM Artesia, NM

LAT: 32°48.068' N. LON: 104°10.223' W.

NO WARRANTY IS EXPRESSED OR IMPLIED AS TO THE RELIABILITY AND/OR COMPLETENESS OF THIS MAP

DATE: 12/12/07

www.wellpromapping.com

COPYRIGHT 2003-2007

Judah Oil, LLC
C-108 (Application for Authorization to Inject)
Geronimo 27 State Com # 002
API # 30-015-31716
990 FSL X 660 FWL
Unit Letter "M", Section 27, T17S, R28E
Eddy County, New Mexico

Area of Review

There were 61 wells identified in the 0.5 mile area of review. Two wells were identified as penetrating the proposed injection interval.

RKI Exploration and Production, Inc
Geronimo 33 State # 002
API # 30-015-31373
660 FNL X 660 FEL
Section 33, T17S, R28E NMPM
Eddy County, New Mexico

Edge Petroleum Operating Company, Inc
Geronimo 28 State Com # 001
API # 30-015-31829
1500 FSL X 1800 FEL
Section 28, T17S, R28E NMPM
Eddy County, New Mexico

Judah Oil, LLC
Chub (Application for Authorization to Inject)

API: 30-015-31829
 LEASE: GERONIMO 28 STATE COM
 WELL: NO. 1
 AREA: EDDY CO., NM
 FIELD: Empire (Penn)

OPERATOR: EDGE PETROLEUM OPERATING COMPANY
 SURF LOC: NWSE SECTION 28, T17S, R28E
 BHL: 1500 FSL + 1800 FEL
 X:
 Y:

SPUD: 7/1/2001
 TD: 7/27/2001
 ELEV. 3,684'
 KB: 3,705'

DIRECTIONAL	OPEN HOLE LOGGING	SANDS/ MARKERS	DEPTH		CASING PROFILE	HOLE SIZE	CASING DETAILS	MUD WT. & TYPE	MAXIMUM DOGLEG SEVERITY
			TVD	MD					
			40'	40'		PRESET	20" Conductor		
			450'	450'			13-3/8", 48# H-40, STC	SPUD MUD	
		Seven Rivers	694'	694'			430 sx, circ cement		
		Queen	1263'	1263'					
		San Andres	1979'	1979'			TOC @ 2,210' (CBL)		
STRAIGHT HOLE			2700'	2700'			9 5/8" 36# J-55, STC		
		KOP					955 sx, circ cement		
		Glorieta	3376'	3376'					
		Yeso	3474'	3474'		5486'	DV Tool		
		Tubb	4974'	4974'					
		Abo	5624'	5624'					
		Wolfcamp	6950'	6950'					
		BTBR	7580'	7580'					
		Cisco	7969'	7969'					
		Strawn	9490'	9490'					
		Atoka	9830'	9830'			2-3/8", 4.7#, P-110, EUE 8RD		
		Morrow	9936'	9936'		10,053'	EOT - PLS Packer		
		Middle Morrow Perfs - 10,092'-098' w/ 3-1/8" guns, 6spf, 0.42" EHD, 39.56" penetration Acidized w/ 3,000 gal, 7-1/2% Morrow Mix HCL. Frac'd with 30,000# 20/40 Carbo prop					CIBP - 10,170 w/ 20' cmt. TOC - 10,150'		
		Lwr Morrow, 10178-10205', natural completion - Isolated							
		TD	10,488'	10,488'		10,413'	5-1/2", 17#, N-80, LTC 1285 sx PBTD		

ATTACHMENT C

Judah Oil, LLC

API: 30-015-31373
 LEASE: GERONIMO 33 STATE
 WELL: NO. 2
 AREA: EDDY CO., NM
 FIELD: Empire (Wolfcamp)

OPERATOR: RKI Exploration and Production
 SURF LOC: NENE SECTION 33, T17S, R28E
 660 FNL + 660 FEL
 X:
 Y:

SPUD: 11/26/2000
 TD: 12/28/2000
 ELEV. 3678'
 KB: 3693'

DIRECTIONAL	OPEN HOLE LOGGING	SANDS/ MARKERS	DEPTH		CASING PROFILE	HOLE SIZE	CASING DETAILS	MUD WT. & TYPE	MAXIMUM DOGLEG SEVERITY
			TVD	MD					
STRAIGHT HOLE			525'	525'		17-1/2"	13-3/8", 54.5#	SPUD MUD	
		Seven Rivers	700'	700'			432 ex, circ cement		
		Queen	1274'	1274'		12-1/2"	TOC @ 1756 ft		
		San Andres	2020'	2020'					
			2700'	2700'			9 5/8" 35#		
		KOP					896 ex, circ cement		
		Glorieta	3499'	3499'					
		Yeso				7-7/8"			
		Tubb	5115'	5115'					
		Abso	5804'	5804'			2-7/8" Tbg @ 7218'		
		Wolfcamp	6960'	6980'					
		Wolfcamp, 7066-7074', 7143-7153', 7179-7188', 7198-7206' Acidize 5000 gal 15%, Frac 41816 gal + 42520 # 20/40 8/31/2001 IPP 35 Bopd + 82 Mcfd + 88 Bwpd 43.6 API							
		Wolfcamp, 7287-7295', 7314-7329', 7346-7358'					CIBP - 7,250' w/ 35' cmt. TOC - 7,215'		
		BTBR	7620'	7620'					
		Cisco	7970'	7970'			CIBP - 8,550' w/ 35' cmt. TOC - 8,515'		
		Cisco, 8589-8612, 8616-8620', 2 spf							
		Strawn	9506'	9506'			CIBP - 8,450' w/ 35' cmt. TOC - 9,415'		
		Strawn, 9505-9516							
		Atoka	9836'	9836'			CIBP - 9,730 w/ 35' cmt. TOC - 9,695'		
		Atoka, 9793-9798, 6 spf							
		Morrow	10000'	10000'			CIBP - 10,075 w/ 35' cmt. TOC - 10,040'		
		Morrow, 10119-10130, 4 spf							
		Morrow, 10247-10253, 6 spf					CIBP - 10,210 w/ 35' cmt. TOC - 10,175'		
		Lwr Morrow, 10454-10466', 10470-478, 4 spf					CIBP - 10,420 w/ 35' cmt. TOC - 10,385'		
		TD	10,600'	10,600'		7,215"	5-1/2", 17#, 1460 exs 1st stage circ 15 ex 800 ex 2nd stage	PBTD	

7/2/2001, 3:02 PM, Gershino_33-2, W1806.xls

ATTACHMENT C

	RAD	API	OPERATOR	LEASE	#	TYPE	STAT	TWN	RNG	SEC	UNT	TVD
		3001531716	DOMINION	GERONIMO 27 STATE COM	2	GAS	PLU	17S	28E	27	M	10610
		Wells in AOR		Wells penetrate disposal zone								
1	287	3001525845	MARBOB	ELK STATE	1	OIL	ACT	17S	28E	27	M	3065
2	330	3001522072	MARBOB	TJ ST	3	OIL	ACT	17S	28E	27	M	826
3	330	3001501568	MARBOB	TJ ST	2	OIL	ACT	17S	28E	27	M	2010
4	330	3001524521	MARBOB	TJ ST	1	OIL	ACT	17S	28E	27	M	2200
5	676	3001521272	MACK	COLLIER STATE	2	OIL	PLU	17S	28E	27	L	820
6	727	3001501579	BP AMERICA	EMPIRE ABO UNIT	33	OIL	T/A	17S	28E	27	M	6189
7	739	3001510330	MARBOB	SUNRAY STATE	1	OIL	ACT	17S	28E	27	L	6150
8	745	3001501578	POWO	PRE-ONGARD WELL	1	OIL	PLU	17S	28E	27	L	2018
9	854	3001501593	POWO	PRE-ONGARD WELL	1	OIL	PLU	17S	28E	27	M	1795
10	979	3001523088	MARBOB	ABO	2	OIL	ACT	17S	28E	27	N	1000
11	990	3001521147	MARBOB	STATE	2	OIL	ACT	17S	28E	28	P	800
12	1127	3001524569	MARBOB	SUNRAY STATE	2	OIL	ACT	17S	28E	27	L	2900
13	1170	3001523117	MARBOB	ABO	3	OIL	ACT	17S	28E	27	N	1000
14	1176	3001520811	MARBOB	PAN AM STATE	2	OIL	ACT	17S	28E	28	I	810
15	1188	3001520355	MARBOB	HANOVER STATE	2	OIL	ACT	17S	28E	28	P	6158
16	1205	3001501595	MARBOB	STATE	1	OIL	ACT	17S	28E	28	P	6160
17	1233	3001524805	MARBOB	COCKATOO STATE	1	OIL	ACT	17S	28E	27	N	3054
18	1332	3001521441	MACK	COLLIER STATE	3	OIL	PLU	17S	28E	27	L	842
19	1368	3001521712	MACK	COLLIER STATE	4	OIL	PLU	17S	28E	27	L	840
20	1395	3001522969	MARBOB	STATE	5	OIL	ACT	17S	28E	28	P	825
21	1599	3001530299	BP AMERICA	WASHINGTON 33 STATE	1	OIL	ACT	17S	28E	33	A	3000
22	1630	3001510102	MARBOB	PAN AM STATE	1	OIL	ACT	17S	28E	28	I	1998
23	1650	3001525018	MARBOB	COCKATOO STATE	2	OIL	ACT	17S	28E	27	N	3060
24	1650	3001501577	MARBOB	ABO	1	OIL	PLU	17S	28E	27	N	2060
25	1651	3001521527	MARBOB	STATE	4	OIL	ACT	17S	28E	28	P	829
26	1652	3001523330	MARBOB	ABO	4	OIL	ACT	17S	28E	27	N	1020
27	1745	3001501581	BP AMERICA	EMPIRE ABO UNIT	34	OIL	T/A	17S	28E	27	K	6176
28	1760	3001523055	MARBOB	PAN AM STATE	4	OIL	ACT	17S	28E	28	I	800
29	1764	3001501592	BP AMERICA	EMPIRE ABO UNIT	034A	OIL	ACT	17S	28E	27	N	6270
30	1791	3001501580	ABO	LOIS MAE STATE	1	OIL	ACT	17S	28E	27	K	2137
31	1796	3001521392	MARBOB	STATE	3	OIL	ACT	17S	28E	28	P	800
32	1869	3001522486	BP AMERICA	EMPIRE ABO UNIT	341B	OIL	ACT	17S	28E	34	C	6102
33	1945	3001521260	MARBOB	N G PHILLIPS ST	11	OIL	ACT	17S	28E	27	E	813

Attachment "C"

34	1954	3001501576	MARBOB	N G PHILLIPS ST	8	OIL	ACT	17S	28E	27	E	1990
35	1965	3001501727	BP AMERICA	EMPIRE ABO UNIT	033D	OIL	ACT	17S	28E	34	D	6205
36	2083	3001521383	MARBOB	PAN AM STATE	3	OIL	ACT	17S	28E	28	I	810
37	2129	3001501702	POWO	PRE-ONGARD WELL	2	OIL	PLU	17S	28E	34	C	2114
38	2133	3001531273	BP AMERICA	GERONIMO 34 STATE COM	2	GAS	ACT	17S	28E	34	H	10660
39	2136	3001521975	ABO	LOIS MAE STATE	2	OIL	ACT	17S	28E	27	K	903
40	2140	3001510230	SDX	KERSEY WILLIAMS A FED	3	OIL	ACT	17S	28E	28	H	1985
41	2174	3001521632	MARBOB	N G PHILLIPS ST	16	OIL	ACT	17S	28E	27	F	845
42	2204	3001525678	MARBOB	FLEMMING STATE	3	OIL	ACT	17S	28E	34	C	3090
43	2256	3001525513	MARBOB	N G PHILLIPS ST	38	OIL	ACT	17S	28E	27	F	3100
44	2271	3001524259	MARBOB	N G PHILLIPS ST	31	OIL	ACT	17S	28E	27	E	3704
45	2278	3001533689	SDX	KERSEY WILLIAMS A FED	7	OIL	ACT	17S	28E	28	H	3570
46	2286	3001522016	MARBOB	WALKER STATE	4	OIL	ACT	17S	28E	27	O	2094
47	2338	3001501717	POWO	PRE-ONGARD WELL	34	OIL	PLU	17S	28E	34	C	6247
48	2356	3001522015	MARBOB	WALKER STATE	3	OIL	ACT	17S	28E	27	O	1040
49	2367	3001524611	MARBOB	SAMEDAN STATE	1	OIL	ACT	17S	28E	27	O	3017
50	2384	3001525703	JUDAH OIL	WELCH STATE	1	OIL	ACT	17S	28E	28	J	850
51	2386	3001521879	MARBOB	N G PHILLIPS ST	21	OIL	ACT	17S	28E	27	J	898
52	2398	3001501695	BP AMERICA	EMPIRE ABO UNIT	032E	OIL	T/A	17S	28E	33	A	6170
53	2494	3001521969	SDX	KERSEY WILLIAMS A FED	4	OIL	ACT	17S	28E	28	H	775
54	2498	3001531829	BP AMERICA	GERONIMO 34 STATE COM	1	GAS	ACT	17S	28E	28	J	10485
55	2522	3001522523	BP AMERICA	EMPIRE ABO UNIT	351B	OIL	ACT	17S	28E	34	B	6239
56	2551	3001501575	MARBOB	N G PHILLIPS ST	7	OIL	ACT	17S	28E	27	F	2011
57	2562	3001530187	BP AMERICA	WASHINGTON 33 STATE	2	OIL	ACT	17S	28E	33	A	4150
58	2568	3001530276	BP AMERICA	WASHINGTON 33 STATE	3	OIL	ACT	17S	28E	33	B	2950
59	2598	3001521567	MARBOB	N G PHILLIPS ST	14	OIL	ACT	17S	28E	27	E	839
60	2607	3001521760	MARBOB	N G PHILLIPS ST	17	OIL	ACT	17S	28E	27	E	831
61	2643	3001521603	MARBOB	N G PHILLIPS ST	15	OIL	ACT	17S	28E	27	J	880
62	2662	3001522226	BP AMERICA	EMPIRE ABO UNIT	333	OIL	PLU	17S	28E	34	E	6319
63	2663	3001501590	POWO	PRE-ONGARD WELL	35	OIL	PLU	17S	28E	27	O	0
64	2691	3001522910	BP AMERICA	EMPIRE ABO UNIT	334	OIL	PLU	17S	28E	34	E	6350
65	2711	3001531172	DOMINION	GERONIMO 34 STATE COM	1	GAS	UNC	17S	28E	34	E	490
66	2714	3001531293	DOMINION	GERONIMO 34 STATE COM	001Y	GAS	ACT	17S	28E	34	E	10600
67	2728	3001522863	BP AMERICA	EMPIRE ABO UNIT	342A	OIL	T/A	17S	28E	34	F	0
68	2733	3001531173	MARBOB	SAMEDAN STATE	3	GAS	ACT	17S	28E	27	O	10660
69	2743	3001523987	SDX	KERSEY WILLIAMS A FED	5	OIL	ACT	17S	28E	28	H	0

70	2765	3001522524	BP AMERICA	WASHINGTON 33 STATE	13	OIL	ACT	17S	28E	33	H	6158
71	2778	3001521313	MARBOB	N G PHILLIPS ST	12	OIL	ACT	17S	28E	27	F	0
72	2873	3001530773	MARBOB	SAMEDAN STATE	2	OIL	ACT	17S	28E	27	O	4175
73	2894	3001523640	MARBOB	N G PHILLIPS ST	25	OIL	ACT	17S	28E	27	J	0
74	2912	3001501584	BP AMERICA	EMPIRE ABO UNIT	35	OIL	ACT	17S	28E	27	J	0
75	2923	3001521469	MARBOB	WALKER STATE	1	OIL	PLU	17S	28E	27	O	895
76	2965	3001525636	MARBOB	FLEMMING STATE	2	OIL	ACT	17S	28E	34	B	0
77	2975	3001501718	BP AMERICA	EMPIRE ABO UNIT	033F	OIL	T/A	17S	28E	34	E	0
78	2984	3001501591	MARBOB	WALKER STATE	2	OIL	ACT	17S	28E	27	O	0
79	2994	3001524344	MARBOB	STATE MO	1	SWD	ACT	17S	28E	27	F	0
80	3003	3001522227	BP AMERICA	EMPIRE ABO UNIT	341A	OIL	ACT	17S	28E	34	F	0
81	3007	3001522919	BP AMERICA	EMPIRE ABO UNIT	336	OIL	PLU	17S	28E	34	E	6350
82	3010	3001501573	POWO	PRE-ONGARD WELL	5	OIL	PLU	17S	28E	27	J	0
83	3030	3001521808	MARBOB	N G PHILLIPS ST	18	OIL	ACT	17S	28E	27	G	0
84	3064	3001524183	MARBOB	N G PHILLIPS ST	30	OIL	ACT	17S	28E	27	F	0
85	3096	3001524620	MARBOB	N G PHILLIPS ST	35	OIL	ACT	17S	28E	27	G	0
86	3102	3001501726	POWO	PRE-ONGARD WELL	2	OIL	PLU	17S	28E	34	F	0
87	3102	3001530762	MARBOB	TH STATE	1	OIL	ACT	17S	28E	34	F	4223
88	3182	3001501716	BP AMERICA	EMPIRE ABO UNIT	035B	OIL	ACT	17S	28E	34	B	0
89	3190	3001501701	POWO	PRE-ONGARD WELL	1	OIL	PLU	17S	28E	34	B	0
90	3209	3001501714	BP AMERICA	EMPIRE ABO UNIT	034C	OIL	ACT	17S	28E	34	F	0
91	3225	3001521840	MARBOB	N G PHILLIPS ST	19	OIL	ACT	17S	28E	27	J	0
92	3242	3001522767	BP AMERICA	EMPIRE ABO UNIT	335	OIL	T/A	17S	28E	34	E	0
93	3254	3001521903	C F M OIL CO	GILLESPIE STATE	3	OIL	ACT	17S	28E	27	D	0
94	3263	3001521785	C F M OIL CO	GILLESPIE STATE	1	OIL	ACT	17S	28E	27	D	805
95	3266	3001501694	BP AMERICA	EMPIRE ABO UNIT	032A	OIL	PLU	17S	28E	33	H	6280
96	3322	3001501698	BP AMERICA	EMPIRE ABO UNIT	031B	OIL	UNC	17S	28E	33	B	0
97	3402	3001521823	C F M OIL CO	GILLESPIE STATE	2	OIL	ACT	17S	28E	27	C	0
98	3403	3001533872	SDX	KERSEY WILLIAMS A FED	6	OIL	NEW	17S	28E	28	G	0
99	3437	3001522895	BP AMERICA	EMPIRE ABO UNIT	343A	OIL	T/A	17S	28E	34	F	0
100	3452	3001501569	MARBOB	N G PHILLIPS ST	1	OIL	ACT	17S	28E	27	G	0
101	3460	3001522628	BP AMERICA	EMPIRE ABO UNIT	352F	OIL	ACT	17S	28E	34	G	0
102	3471	3001522844	BP AMERICA	EMPIRE ABO UNIT	354F	OIL	T/A	17S	28E	34	G	0
103	3508	3001532074	OXY USA	OXY SPARKY FED	1	GAS	ACT	17S	28E	28	G	10305
104	3537	3001530193	BP AMERICA	WASHINGTON 33 STATE	11	OIL	ACT	17S	28E	33	G	4100
105	3570	3001530188	BP AMERICA	WASHINGTON 33 STATE	4	OIL	ACT	17S	28E	33	B	4000

106	3595	3001523568	POWO	PRE-ONGARD WELL	13	OIL	PLU	17S	28E	27	P	0
107	3603	3001524848	MARBOB	N G PHILLIPS ST	37	OIL	ACT	17S	28E	27	P	0
108	3611	3001521394	BP AMERICA	EMPIRE ABO UNIT	331	OIL	ACT	17S	28E	34	E	0
109	3611	3001521962	BP AMERICA	EMPIRE ABO UNIT	332	OIL	T/A	17S	28E	34	E	0
110	3626	3001524477	MARBOB	N G PHILLIPS ST	32	OIL	ACT	17S	28E	27	P	0
111	3628	3001521463	MARBOB	DELHI STATE	3	OIL	ACT	17S	28E	28	N	0
112	3633	3001522949	POWO	PRE-ONGARD WELL	22	OIL	PLU	17S	28E	27	P	0
113	3657	3001522860	C F M OIL CO	GILLESPIE STATE	14	OIL	ACT	17S	28E	27	C	0
114	3657	3001501574	MARBOB	N G PHILLIPS ST	6	OIL	ACT	17S	28E	27	I	0
115	3671	3001522594	BP AMERICA	EMPIRE ABO UNIT	322A	OIL	ACT	17S	28E	33	H	0
116	3675	3001530194	BP AMERICA	WASHINGTON 33 STATE	14	OIL	ACT	17S	28E	33	H	4200
117	3675	3001520531	MARBOB	N G PHILLIPS ST	10	OIL	ACT	17S	28E	27	G	0
118	3706	3001534111	SDX	WYLIE	2	OIL	NEW	17S	28E	28	A	0
119	3717	3001522487	ARCO PERMIAN	EMPIRE ABO UNIT	361	OIL	PLU	17S	28E	34	A	0
120	3774	3001522803	BP AMERICA	EMPIRE ABO UNIT	361	OIL	ACT	17S	28E	27	P	0
121	3820	3001522787	POWO	PRE-ONGARD WELL	334	OIL	PLU	17S	28E	34	L	0
122	3832	3001530277	BP AMERICA	WASHINGTON 33 STATE	5	OIL	ACT	17S	28E	33	C	2950
123	3839	3001523736	MARBOB	N G PHILLIPS ST	27	OIL	ACT	17S	28E	27	I	0
124	3843	3001501704	POWO	PRE-ONGARD WELL	1	OIL	PLU	17S	28E	34	L	0
125	3850	3001525508	MARBOB	AMOCO STATE A	2	OIL	ACT	17S	28E	34	A	0
126	3880	3001522393	C F M OIL CO	GILLESPIE STATE	6	OIL	ACT	17S	28E	27	D	0
127	3896	3001534005	EDGE	RED LAKE 28 K STATE	2	GAS	ACT	17S	28E	28	K	3650
128	3901	3001501596	MARBOB	DELHI STATE	1	OIL	ACT	17S	28E	28	N	0
129	3902	3001501715	BP AMERICA	EMPIRE ABO UNIT	035A	OIL	T/A	17S	28E	34	G	0
130	3902	3001524126	MARBOB	GILLESPIE STATE	4	OIL	ACT	17S	28E	27	D	0
131	3920	3001501587	C F M OIL CO	GILLESPIE STATE	16	OIL	ACT	17S	28E	27	D	0
132	3934	3001533739	EDGE	RED LAKE 28 N STATE	1	OIL	ACT	17S	28E	28	N	0
133	3947	3001523743	MARBOB	N G PHILLIPS ST	29	OIL	ACT	17S	28E	27	G	0
134	3956	3001501582	BP AMERICA	EMPIRE ABO UNIT	36	OIL	ACT	17S	28E	27	P	0
135	3978	3001501583	BP AMERICA	EMPIRE ABO UNIT	036A	OIL	ACT	17S	28E	27	I	0
136	4000	3001522817	BP AMERICA	EMPIRE ABO UNIT	362A	OIL	ACT	17S	28E	34	A	0
137	4006	3001501678	POWO	PRE-ONGARD WELL	5	OIL	PLU	17S	28E	33	G	0
138	4015	3001521928	C F M OIL CO	GILLESPIE STATE	4	OIL	ACT	17S	28E	27	B	0
139	4028	3001533651	SDX	WYLIE	1	OIL	NEW	17S	28E	28	N	0
140	4032	3001522629	BP AMERICA	EMPIRE ABO UNIT	353	OIL	ACT	17S	28E	34	G	0
141	4039	3001522497	C F M OIL CO	GILLESPIE STATE	7	OIL	ACT	17S	28E	27	C	0

142	4053	3001521964	BP AMERICA	EMPIRE ABO UNIT	342	OIL	T/A	17S	28E	34	K	0
143	4075	3001522822	BP AMERICA	WASHINGTON 33 STATE	15	OIL	ACT	17S	28E	33	I	6370
144	4108	3001501692	BP AMERICA	EMPIRE ABO UNIT	031A	OIL	T/A	17S	28E	33	G	0
145	4118	3001523717	MARBOB	N G PHILLIPS ST	26	OIL	ACT	17S	28E	27	H	0
146	4132	3001522631	BP AMERICA	EMPIRE ABO UNIT	333A	OIL	T/A	17S	28E	34	L	0
147	4136	3001524121	MARBOB	GILLESPIE STATE	3	OIL	ACT	17S	28E	27	C	0
148	4168	3001501700	MARBOB	AMOCO STATE A	1	OIL	ACT	17S	28E	34	A	0
149	4184	3001524532	MARBOB	N G PHILLIPS ST	33	OIL	ACT	17S	28E	27	I	0
150	4221	3001525601	MARBOB	FLEMMING STATE	1	OIL	ACT	17S	28E	34	G	3112
151	4236	3001533740	EDGE	RED LAKE 28 K STATE	1	OIL	ACT	17S	28E	28	K	0
152	4243	3001521841	MARBOB	N G PHILLIPS ST	20	OIL	ACT	17S	28E	27	P	0
153	4257	3001501586	POWO	PRE-ONGARD WELL	20	OIL	PLU	17S	28E	27	C	0
154	4257	3001522498	C F M OIL CO	GILLESPIE STATE	8	OIL	ACT	17S	28E	27	C	0
155	4266	3001501711	BP AMERICA	EMPIRE ABO UNIT	033A	OIL	T/A	17S	28E	34	L	0
156	4267	3001522525	BP AMERICA	EMPIRE ABO UNIT	322	OIL	T/A	17S	28E	33	I	0
157	4280	3001521963	BP AMERICA	EMPIRE ABO UNIT	361A	OIL	ACT	17S	28E	34	H	0
158	4281	3001524776	MARBOB	N G PHILLIPS ST	36	OIL	ACT	17S	28E	27	P	0
159	4282	3001501571	POWO	PRE-ONGARD WELL	3	OIL	PLU	17S	28E	27	P	0
160	4286	3001501601	POWO	PRE-ONGARD WELL	2	OIL	UNC	17S	28E	28	N	0
161	4308	3001501572	MARBOB	N G PHILLIPS ST	4	INJ	PLU	17S	28E	27	I	0
162	4309	3001531550	DOMINION	GERONIMO 34 STATE COM	2	GAS	ACT	17S	28E	34	H	10600
163	4311	3001534002	EDGE	RED LAKE 28 N STATE	2	OIL	ACT	17S	28E	28	N	3688
164	4343	3001532454	SDX	WELCH RL STATE	3	OIL	UNC	17S	28E	28	F	0
165	4353	3001501720	BP AMERICA	EMPIRE ABO UNIT	036C	OIL	ACT	17S	28E	34	A	0
166	4389	3001501707	C O FULTON	PAN AMERICAN	1	OIL	ACT	17S	28E	34	G	0
167	4389	3001501589	C F M OIL CO	GILLESPIE STATE	15	OIL	ACT	17S	28E	27	B	0
168	4393	3001501697	BP AMERICA	EMPIRE ABO UNIT	030B	OIL	ACT	17S	28E	33	C	0
169	4401	3001510129	MARBOB	N G PHILLIPS ST	9	OIL	ACT	17S	28E	27	H	0
170	4438	3001523019	MARBOB	N G PHILLIPS ST	23	OIL	ACT	17S	28E	27	I	0
171	4440	3001501570	MARBOB	N G PHILLIPS ST	2	OIL	UNC	17S	28E	27	H	0
172	4446	3001501710	POWO	PRE-ONGARD WELL	34	OIL	PLU	17S	28E	34	K	0
173	4451	3001501693	BP AMERICA	EMPIRE ABO UNIT	32	OIL	PLU	17S	28E	33	I	0
174	4480	3001501763	BP AMERICA	EMPIRE ABO UNIT	035C	OIL	ACT	17S	28E	34	J	0
175	4495	3001530191	BP AMERICA	WASHINGTON 33 STATE	9	OIL	ACT	17S	28E	33	F	4200
176	4512	3001525493	MARBOB	LARA MICHELLE	2	OIL	ACT	17S	28E	34	K	0
177	4533	3001522550	C F M OIL CO	GILLESPIE STATE	9	OIL	ACT	17S	28E	27	B	0

178	4540	3001530348	BP AMERICA	WASHINGTON 33 STATE	12	OIL	ACT	17S	28E	33	G	4000
179	4558	3001531917	SDX	WELCH RL STATE	2	OIL	ACT	17S	28E	28	F	3535
180	4567	3001522927	BP AMERICA	EMPIRE ABO UNIT	364	OIL	ACT	17S	28E	34	H	0
181	4567	3001501585	POWO	PRE-ONGARD WELL	5	OIL	PLU	17S	28E	27	B	0
182	4569	3001522645	HANSON	STATE B	6	OIL	ACT	17S	28E	22	M	0
183	4571	3001521537	BP AMERICA	EMPIRE ABO UNIT	351	OIL	T/A	17S	28E	34	G	0
184	4578	3001522642	HANSON	STATE B	5	OIL	ACT	17S	28E	22	M	0
185	4579	3001523984	MARBOB	GILLESPIE STATE	2	OIL	ACT	17S	28E	27	B	0
186	4607	3001530138	BP AMERICA	WASHINGTON 33 STATE	6	OIL	ACT	17S	28E	33	C	4000
187	4620	3001522820	BP AMERICA	EMPIRE ABO UNIT	363A	OIL	PLU	17S	28E	34	H	0
188	4639	3001522416	BP AMERICA	EMPIRE ABO UNIT	332A	OIL	PLU	17S	28E	34	L	0
189	4649	3001525471	MARBOB	AMOCO STATE A	3	OIL	ACT	17S	28E	34	A	0
190	4654	3001521784	BP AMERICA	EMPIRE ABO UNIT	331A	OIL	T/A	17S	28E	34	L	0
191	4680	3001524446	MARBOB	LARA MICHELLE	4	OIL	ACT	17S	28E	34	L	0
192	4682	3001523518	MARBOB	STATE 22	1	OIL	PLU	17S	28E	22	N	860
193	4700	3001523742	MARBOB	N G PHILLIPS ST	28	OIL	ACT	17S	28E	27	H	0
194	4708	3001522462	POWO	PRE-ONGARD WELL	373	OIL	UNC	17S	28E	35	D	0
195	4724	3001522804	BP AMERICA	EMPIRE ABO UNIT	363	OIL	ACT	17S	28E	34	A	0
196	4729	3001531044	DOMINION	GERONIMO 33 STATE COM	1	GAS	PLU	17S	28E	33	F	0
197	4751	3001521797	BP AMERICA	EMPIRE ABO UNIT	341	OIL	T/A	17S	28E	34	K	0
198	4792	3001521769	BP AMERICA	EMPIRE ABO UNIT	321	OIL	PLU	17S	28E	33	I	0
199	4826	3001522821	BP AMERICA	WASHINGTON 33 STATE	17	OIL	ACT	17S	28E	33	J	6370
200	4835	3001501721	VINTAGE	CARPER LEVERS	4	OIL	PLU	17S	28E	34	K	0
201	4842	3001522463	BP AMERICA	EMPIRE ABO UNIT	343G	OIL	PLU	17S	28E	34	K	0
202	4845	3001526452	MELROSE	ARTESIA UNIT	68	GAS	ACT	17S	28E	34	J	3121
203	4852	3001501603	POWO	PRE-ONGARD WELL	16	OIL	PLU	17S	28E	28	F	0
204	4858	3001501588	C F M OIL CO	GILLESPIE STATE	5	OIL	ACT	17S	28E	27	A	0
205	4889	3001501600	POWO	PRE-ONGARD WELL	1	OIL	PLU	17S	28E	28	L	0
206	4901	3001522551	C F M OIL CO	GILLESPIE STATE	10	OIL	ACT	17S	28E	27	B	0
207	4911	3001501500	POWO	PRE-ONGARD WELL	13	OIL	UNC	17S	28E	22	N	0
208	4922	3001522415	BP AMERICA	WASHINGTON 33 STATE	16	OIL	ACT	17S	28E	33	I	6219
209	4923	3001532484	MARBOB	D STATE	32	OIL	ACT	17S	28E	26	M	4272
210	4927	3001501689	BP AMERICA	EMPIRE ABO UNIT	030A	OIL	T/A	17S	28E	33	F	0
211	4933	3001501594	HANSON	DELHI B STATE	2	OIL	ACT	17S	28E	28	M	0
212	4934	3001501563	MELROSE	ARTESIA UNIT	2	OIL	ACT	17S	28E	26	M	2150
213	4936	3001501680	POWO	PRE-ONGARD WELL	1	OIL	PLU	17S	28E	33	K	0

214	4952	3001524564	MARBOB	N G PHILLIPS ST	34	OIL	ACT	17S	28E	27	H	0
215	4955	3001531462	MELROSE	ARTESIA UNIT	80	OIL	UNC	17S	28E	34	J	0
216	4974	3001501725	LARUE & MUNCY	MOORE STATE	1	OIL	PLU	17S	28E	34	H	0
217	4981	3001501723	MELROSE	ARTESIA UNIT	25	OIL	ACT	17S	28E	34	J	0
218	5000	3001531387	SDX	TIGNER STATE	1	OIL	ACT	17S	28E	28	L	3550
219	5005	3001523354	MARBOB	N G PHILLIPS ST	24	OIL	ACT	17S	28E	27	H	0
220	5017	3001501691	BP AMERICA	EMPIRE ABO UNIT	31	OIL	PLU	17S	28E	33	J	0
221	5045	3001522846	BP AMERICA	EMPIRE ABO UNIT	352A	OIL	T/A	17S	28E	34	J	6351
222	5054	3001521535	BP AMERICA	EMPIRE ABO UNIT	371	OIL	ACT	17S	28E	35	D	0
223	5066	3001501719	BP AMERICA	EMPIRE ABO UNIT	038B	OIL	ACT	17S	28E	34	H	0
224	5066	3001522630	BP AMERICA	EMPIRE ABO UNIT	362	OIL	ACT	17S	28E	34	H	0
225	5067	3001501604	HANSON	DELHI B STATE	1	OIL	ACT	17S	28E	28	M	0
226	5075	3001524226	MARBOB	COLLIER STATE	12	OIL	ACT	17S	28E	22	K	0
227	5079	3001501684	MARBOB	DELHI STATE	2	OIL	PLU	17S	28E	33	D	0
228	5081	3001532482	MARBOB	D STATE	6	OIL	ACT	17S	28E	26	L	4150
229	5085	3001524757	MARBOB	C T STATE	1	OIL	ACT	17S	28E	22	N	3050
230	5091	3001502654	MELROSE	ARTESIA UNIT	11	OIL	ACT	17S	28E	35	D	0
231	5093	3001501564	MELROSE	ARTESIA UNIT	1	INJ	ACT	17S	28E	26	L	0
232	5119	3001522813	C F M OIL CO	STATE B 1969	10	OIL	ACT	17S	28E	22	O	805
233	5122	3001524204	MARBOB	COLLIER STATE	11	OIL	ACT	17S	28E	22	M	0
234	5124	3001524753	MARBOB	GILLESPIE STATE	5	OIL	ACT	17S	28E	27	A	0
235	5129	3001523863	MARBOB	GILLESPIE STATE	1	OIL	ACT	17S	28E	27	A	0
236	5140	3001501683	POWO	PRE-ONGARD WELL	4	OIL	PLU	17S	28E	33	J	0
237	5154	3001534110	SDX	SEDONA	2	OIL	NEW	17S	28E	21	P	0
238	5213	3001522123	BP AMERICA	EMPIRE ABO UNIT	351A	OIL	T/A	17S	28E	34	J	0
239	5213	3001532456	SDX	WELCH RL STATE	6	OIL	ACT	17S	28E	28	C	3520
240	5228	3001522676	HANSON	STATE B	7	OIL	ACT	17S	28E	22	M	0
241	5236	3001522418	MARBOB	LARA MICHELLE	3	OIL	ACT	17S	28E	34	M	0
242	5237	3001522639	HANSON	STATE B	4	OIL	ACT	17S	28E	22	M	0
243	5239	3001529344	BP AMERICA	WASHINGTON 34	1	SWD	ACT	17S	28E	34	N	10950
244	5253	3001501712	BP AMERICA	EMPIRE ABO UNIT	033B	OIL	PLU	17S	28E	34	M	6337
245	5254	3001522417	BP AMERICA	WASHINGTON 33 STATE	29	OIL	ACT	17S	28E	33	P	6378
246	5255	3001532492	MARBOB	DAD STATE	20	OIL	ACT	17S	28E	34	I	0
247	5255	3001501706	POWO	PRE-ONGARD WELL	36	OIL	PLU	17S	28E	34	I	0
248	5268	3001522592	BP AMERICA	EMPIRE ABO UNIT	313	OIL	PLU	17S	28E	33	J	0

NM WAIDS

DATA

MAPS

HOME

SCALE

General Information About: Sample 3338			
WASHINGTON 33 STATE 024			
API	3001530334	Sample Number	
Unit/Section/ Township/Range	M / 33 / 17 S / 28 E	Field	ARTESIA
County	Eddy	Formation	GLO/YESO
State	NM	Depth	
Lat/Long	32.78426 / -104.18781	Sample Source	
TDS (mg/L)	206471	Water Type	
Sample Date (MM/DD/YYYY)	2/18/1999	Analysis Date (MM/DD/YYYY)	2/24/1999
Remarks/Description			
Cation Information (mg/L)		Anion Information (mg/L)	
Potassium (K)	368.064	Sulfate (SO)	4741.66
Sodium (Na)	88542.1	Chloride (Cl)	137940
Calcium (Ca)	1928.93	Carbonate (CO ₃)	0
Magnesium (Mg)	482.8	Bicarbonate (HCO ₃)	504.384
Barium (Ba)	0.4544	Hydroxide (OH)	
Manganese (Mn)		Hydrogen Sulfide (H ₂ S)	
Strontium (Sr)	40.896	Carbon Dioxide (CO ₂)	
Iron (Fe)	2.272	Oxygen (O)	



Attachment "D"

NM WAIDS

DATA

MAPS

HOME

SCALE

General Information About: Sample 5778			
STATE EDDY 33 002			
API	3001502933	Sample Number	
Unit/Section/ Township/Range	C / 09 / 17 S / 29 E	Field	CAVE
County	Eddy	Formation	PERM/PENN
State	NM	Depth	
Lat/Long	32.85447 / -104.08140	Sample Source	UNKNOWN
TDS (mg/L)	310744	Water Type	
Sample Date (MM/DD/YYYY)	7/18/1957	Analysis Date (MM/DD/YYYY)	
Remarks/Description			
Cation Information (mg/L)		Anion Information (mg/L)	
Potassium (K)		Sulfate (SO)	1259
Sodium (Na)		Chloride (Cl)	192950
Calcium (Ca)		Carbonate (CO ₃)	
Magnesium (Mg)		Bicarbonate (HCO ₃)	179
Barium (Ba)		Hydroxide (OH)	
Manganese (Mn)		Hydrogen Sulfide (H ₂ S)	
Strontium (Sr)		Carbon Dioxide (CO ₂)	
Iron (Fe)		Oxygen (O)	



Attachment "D"

NM WAIDS

DATA

MAPS

HOME

SCALE

General Information About: Sample 5366			
GULF STATE 002			
API	3001502873	Sample Number	
Unit/Section/ Township/Range	4 / 03 / 17 S / 29 E	Field	SQUARE LAKE
County	Eddy	Formation	GBG/SA
State	NM	Depth	
Lat/Long	32.86987 / -104.06746	Sample Source	WELLHEAD
TDS (mg/L)	109000	Water Type	
Sample Date (MM/DD/YYYY)		Analysis Date (MM/DD/YYYY)	
Remarks/Description			
Cation Information (mg/L)		Anion Information (mg/L)	
Potassium (K)		Sulfate (SO)	3538
Sodium (Na)		Chloride (Cl)	63070
Calcium (Ca)		Carbonate (CO ₃)	
Magnesium (Mg)		Bicarbonate (HCO ₃)	339
Barium (Ba)		Hydroxide (OH)	
Manganese (Mn)		Hydrogen Sulfide (H ₂ S)	
Strontium (Sr)		Carbon Dioxide (CO ₂)	
Iron (Fe)		Oxygen (O)	



Attachment "D"

NM WAIDS

DATA

MAPS

HOME

SCALE

General Information About: Sample 6389			
EMPIRE SOUTH DEEP UNIT 012			
API	3001521947	Sample Number	
Unit/Section/ Township/Range	K / 05 / 18 S / 29 E	Field	BEAR GRASS DRA
County	Eddy	Formation	ATOKA
State	NM	Depth	
Lat/Long	32.77428 / -104.09818	Sample Source	SEPARATOR
TDS (mg/L)	35169	Water Type	
Sample Date (MM/DD/YYYY)	2/28/1978	Analysis Date (MM/DD/YYYY)	
Remarks/Description			
Cation Information (mg/L)		Anion Information (mg/L)	
Potassium (K)		Sulfate (SO)	270
Sodium (Na)		Chloride (Cl)	20400
Calcium (Ca)		Carbonate (CO ₃)	
Magnesium (Mg)		Bicarbonate (HCO ₃)	967
Barium (Ba)		Hydroxide (OH)	
Manganese (Mn)		Hydrogen Sulfide (H ₂ S)	
Strontium (Sr)		Carbon Dioxide (CO ₂)	
Iron (Fe)		Oxygen (O)	



Attachment "D"

NM WAIDS

DATA

MAPS

HOME

SCALE

General Information About: Sample 5344			
BALLARD B 003			
API	3001503242	Sample Number	
Unit/S�ction/ Township/Range	A / 01 / 18 S / 29 E	Field	LOCO HILLS
County	Eddy	Formation	PENROSE
State	NM	Depth	
Lat/Long	32.78250 / -104.02228	Sample Source	UNKNOWN
TDS (mg/L)	242856	Water Type	
Sample Date (MM/DD/YYYY)		Analysis Date (MM/DD/YYYY)	
Remarks/Description			
Cation Information (mg/L)		Anion Information (mg/L)	
Potassium (K)		Sulfate (SO)	372
Sodium (Na)		Chloride (Cl)	151800
Calcium (Ca)		Carbonate (CO ₃)	
Magnesium (Mg)		Bicarbonate (HCO ₃)	54
Barium (Ba)		Hydroxide (OH)	
Manganese (Mn)		Hydrogen Sulfide (H ₂ S)	
Strontium (Sr)		Carbon Dioxide (CO ₂)	
Iron (Fe)		Oxygen (O)	



Attachment "D"

NM WAIDS

DATA

MAPS

HOME

SCALE

General Information About: Sample 5833			
WHITE STAR FEDERAL 003			
API	3001530305	Sample Number	
Unit/Section/ Township/Range	J / 29 / 17 S / 29 E	Field	EMPIRE EAST
County	Eddy	Formation	YESO
State	NM	Depth	
Lat/Long	32.80434 / -104.09523	Sample Source	
TDS (mg/L)	207078	Water Type	
Sample Date (MM/DD/YYYY)	4/18/2000	Analysis Date (MM/DD/YYYY)	5/1/2000
Remarks/Description			
Cation Information (mg/L)		Anion Information (mg/L)	
Potassium (K)	40.896	Sulfate (SO)	5163.12
Sodium (Na)	88589.8	Chloride (Cl)	137913
Calcium (Ca)	2236.78	Carbonate (CO ₃)	0
Magnesium (Mg)	431.68	Bicarbonate (HCO ₃)	660.016
Barium (Ba)	0.1136	Hydroxide (OH)	
Manganese (Mn)		Hydrogen Sulfide (H ₂ S)	6.816
Strontium (Sr)	53.392	Carbon Dioxide (CO ₂)	
Iron (Fe)	152.224	Oxygen (O)	



Attachment "D"

NM WAIDS

DATA

MAPS

HOME

SCALE

General Information About: Sample 3646			
EMPIRE SOUTH DEEP UNIT 005			
API	3001521279	Sample Number	
Unit/Section/ Township/Range	G / 31 / 17 S / 29 E	Field	EMPIRE SOUTH
County	Eddy	Formation	MOR
State	NM	Depth	
Lat/Long	32.79259 / -104.11207	Sample Source	WELLHEAD
TDS (mg/L)	35148	Water Type	
Sample Date (MM/DD/YYYY)	7/28/1976	Analysis Date (MM/DD/YYYY)	
Remarks/Description			
Cation Information (mg/L)		Anion Information (mg/L)	
Potassium (K)		Sulfate (SO)	450
Sodium (Na)		Chloride (Cl)	19800
Calcium (Ca)		Carbonate (CO ₃)	
Magnesium (Mg)		Bicarbonate (HCO ₃)	1510
Barium (Ba)		Hydroxide (OH)	
Manganese (Mn)		Hydrogen Sulfide (H ₂ S)	
Strontium (Sr)		Carbon Dioxide (CO ₂)	
Iron (Fe)		Oxygen (O)	



Attachment "D"

NM WAIDS

DATA

MAPS

HOME

SCALE

General Information About: Sample 5305			
EMPIRE ABO UNIT 036A			
API	3001501583	Sample Number	
Unit/Section/ Township/Range	I / 27 / 17 S / 28 E	Field	EMPIRE
County	Eddy	Formation	ABO
State	NM	Depth	
Lat/Long	32.80276 / -104.15723	Sample Source	UNKNOWN
TDS (mg/L)	224062	Water Type	
Sample Date (MM/DD/YYYY)		Analysis Date (MM/DD/YYYY)	
Remarks/Description			
Cation Information (mg/L)		Anion Information (mg/L)	
Potassium (K)		Sulfate (SO)	699
Sodium (Na)		Chloride (Cl)	135900
Calcium (Ca)		Carbonate (CO ₃)	
Magnesium (Mg)		Bicarbonate (HCO ₃)	378
Barium (Ba)		Hydroxide (OH)	
Manganese (Mn)		Hydrogen Sulfide (H ₂ S)	
Strontium (Sr)		Carbon Dioxide (CO ₂)	
Iron (Fe)		Oxygen (O)	



Attachment "D"

NM WAIDS

DATA

MAPS

HOME

SCALE

General Information About: Sample 5336			
STATE 001			
API	3001501595	Sample Number	
Unit/Section/ Township/Range	P / 28 / 17 S / 28 E	Field	ARTESIA
County	Eddy	Formation	ARTESIA
State	NM	Depth	
Lat/Long	32.79896 / -104.17321	Sample Source	SWAB
TDS (mg/L)	237482	Water Type	
Sample Date (MM/DD/YYYY)		Analysis Date (MM/DD/YYYY)	
Remarks/Description			
Cation Information (mg/L)		Anion Information (mg/L)	
Potassium (K)		Sulfate (SO)	1044
Sodium (Na)		Chloride (Cl)	147300
Calcium (Ca)		Carbonate (CO ₃)	
Magnesium (Mg)		Bicarbonate (HCO ₃)	46
Barium (Ba)		Hydroxide (OH)	
Manganese (Mn)		Hydrogen Sulfide (H ₂ S)	
Strontium (Sr)		Carbon Dioxide (CO ₂)	
Iron (Fe)		Oxygen (O)	



Attachment "D"

Judah Oil, LLC
C-108 (Application for Authorization to Inject)
Geronimo 27 State Com # 002
API # 30-015-31716
990 FSL X 660 FWL
Unit Letter "M", Section 27, T17S, R28E
Eddy County, New Mexico

Geological Data

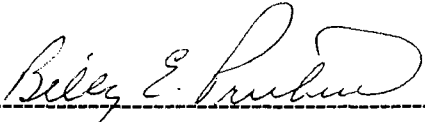
The Wolfcamp formation in the area is approximately 1000 feet thick and is a light to dark gray reefoid limestone of Permian age. The Cisco or Canyon formation is a Pennsylvanian aged predominately limestone with streaks of dolomite. Above the Wolfcamp is the Abo and below the Canyon is the Strawn formation.

In the area of review, fresh water occurs down to a depth of approximately 150 ft. No known fresh water sources are underlying the injection interval.

C-108 Application
Judah Oil, LLC
Geronimo 27 State Com # 002
API # 30-015-31716
UL"M", Section 27, T17S, R28E
Eddy County, New Mexico

Water Statement

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



Billy E. Prichard
Agent for Judah Oil, LLC

1/4/08

Date

Attachment "F"

Legal Notice

Judah Oil, L.L.C., P.O. Box 568, Artesia, NM 88211 has filed form C-108(Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for the re-entry of the plugged and abandoned Geronimo 27 State Com # 002, API # 30-015-31716, 990 FSL X 660 FWL, Unit letter M", Section 27, T17S, R28E, Eddy County, New Mexico and conversion to a commercial saltwater disposal well. The disposal interval would be the Wolfcamp and Canyon formations through perforations 7168ft-8300 feet. Disposal fluid would be produced water trucked in from numerous producing formations in southeastern New Mexico. Anticipated disposal rate of 4000 BWPD with a maximum disposal rate of 8000 BWPD. Anticipated disposal pressure 0 psi with a maximum disposal pressure of 1430 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 Billy Prichard 575-390-9100.

Legal Notice will be published

Artesia Daily Press
PO Box 190
Artesia, NM 88211

Affidavit of Publication will be forwarded to NMOCD when received.

Judah Oil, LLC
C-108 (Application for Authorization to Inject)
Geronimo 27 State Com # 002
API # 30-015-31716
990 FSL X 660 FWL
Unit Letter "M", Section 27, T17S, R28E, NMPM
Eddy County, New Mexico

Notified Parties

Surface Owner

The State of New Mexico
New Mexico State Land Office
P.O.Box 1148
Santa Fe, New Mexico 87504-1148

Surface Lessee

Bogle LTD Co, L.L.C.
P.O. Box 460
Dexter, New Mexico 88230

Offset Operators

RKI Exploration and Production, L.L.C.
3817 NW Expressway
Suite 950
Oklahoma City, Oklahoma 73112

Mack Energy Corp
P.O. Box 960
Artesia, New Mexico 88211

Edge Petroleum Operating Company, Inc
1301 Travis # 2000
Houston, Texas 77002

Marbob Energy Corp.
P.O. Box 227
Artesia, New Mexico 88211

Abo Petroleum Corp.
P.O. Box 900
Artesia, New Mexico 88211

Attachment "G"

Judah Oil, LLC
C-108 (Application for Authorization to Inject)
Geronimo 27 State Com # 002
API # 30-015-31716
990 FSL X 660 FWL
Unit Letter "M", Section 27, T17S, R28E, NMPM
Eddy County, New Mexico

Notified Parties

Section 28, T17S, R28E

NESE Unit Letter I

Occidental Permian LTD
Elizabeth S Bush-Ivie
PO Box 4294
Houston, TX 77210

NWSE Unit Letter J

Van P. Welch Estate
C/O Margie Welch Weisner
5035 Avenue Del Sol
Laguna Woods, CA 92653

SWSE Unit Letter O

Lobos Energy Partners, L.L.C.
3817 NW Expressway, Suite 950
Oklahoma City, OK 73112

SESE Unit Letter P

ConocoPhillips & Atofina Petrochemicals, Inc
PO BOX 7500
Bartlesville, OK 74005

Section 33, T17S, R28E

NENE Unit Letter A

NWNE Unit Letter B

SENE Unit Letter H

BP America Production Company
PO BOX 3092
Houston, TX 77253-3092

Judah Oil, LLC
C-108 (Application for Authorization to Inject)
Geronimo 27 State Com # 002
API # 30-015-31716
990 FSL X 660 FWL
Unit Letter "M", Section 27, T17S, R28E, NMPPM
Eddy County, New Mexico

Notified Parties

Offset Leases

Section 34, T17S, R28E

NWNW Unit Letter D

BP America Production Company
PO BOX 3092
Houston, TX 77253-3092

SWNW Unit Letter E

Occidental Permian LTD
Elizabeth S Bush-Ivie
PO Box 4294
Houston, TX 77210

SENW Unit Letter F

Betty Jane Moore & J Hiram Moore
310 W. Wall, Suite 404
Midland, TX 79701

NENW Unit Letter C

NWNE Unit Letter B

Occidental Permian LTD
Elizabeth S Bush-Ivie
PO Box 4294
Houston, TX 77210