

APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☐ Secondary Recovery ☐ Pressure Maintenance ☒ Disposal ☐ Storage
Application qualifies for administrative approval? ☐ yes ☐ no
- II. Operator: LAGUNA GATUNA INC.
Address: P.O. Box 2158 Hobbs, NM 88241
Contact party: JOE D. RAMEY Phone: 505-392-6525
- 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:
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 geological data on the injection zone including appropriate lithologic detail, geological 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 source 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 source 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: JOE D. RAMEY Title: CONSULTANT
Signature: Joe D. Ramey Date: 4/9/92

- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal.

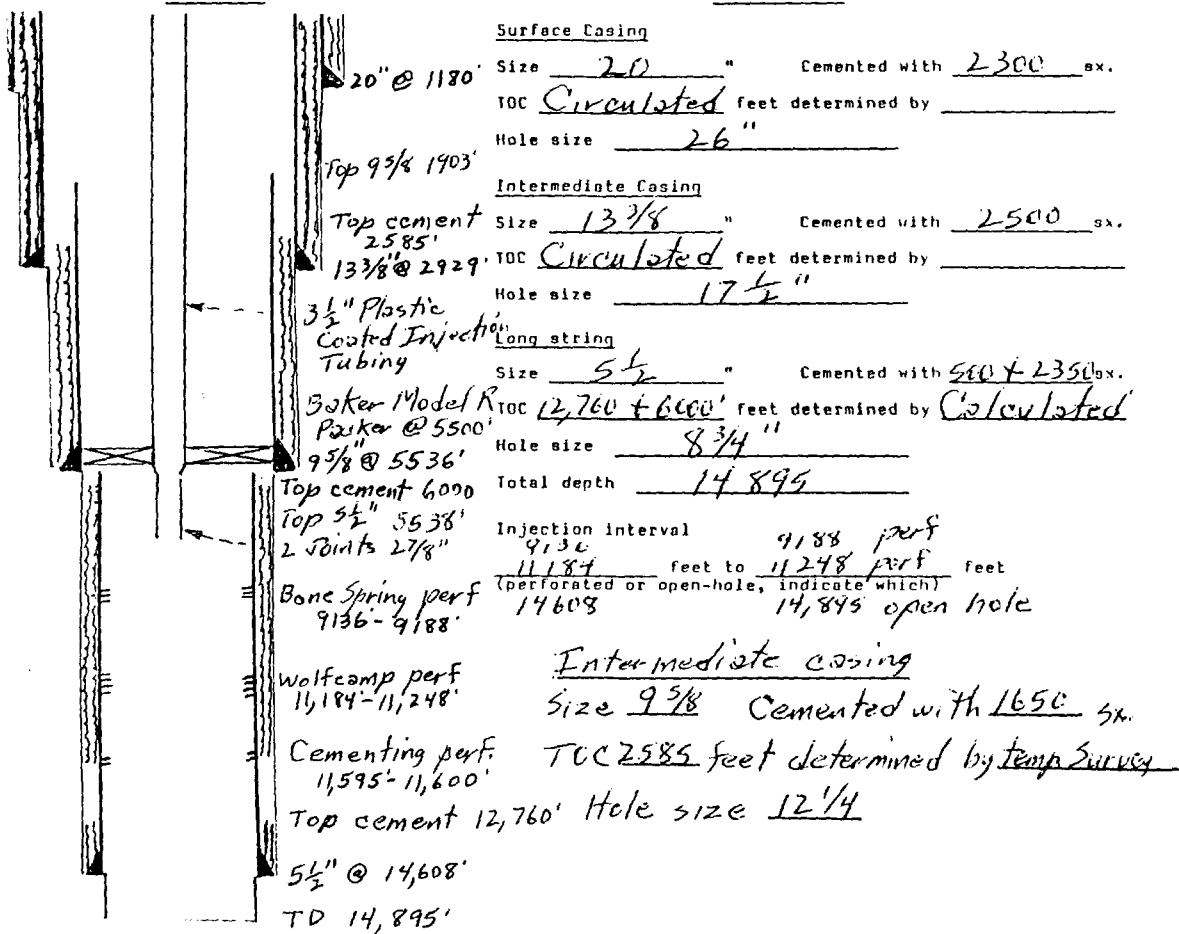
DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate Division

INJECTION WELL DATA SHEET

LAGUNA GATUNA INC. LEASE LAGUNA GATUNA
 OPERATOR
 1 6605 + 1980W 5 205 33E
 WELL NO. FOOTAGE LOCATION SECTION TOWNSHIP RANGE
 LEA COUNTY, NEW MEXICO

Schematic

Tabular Data

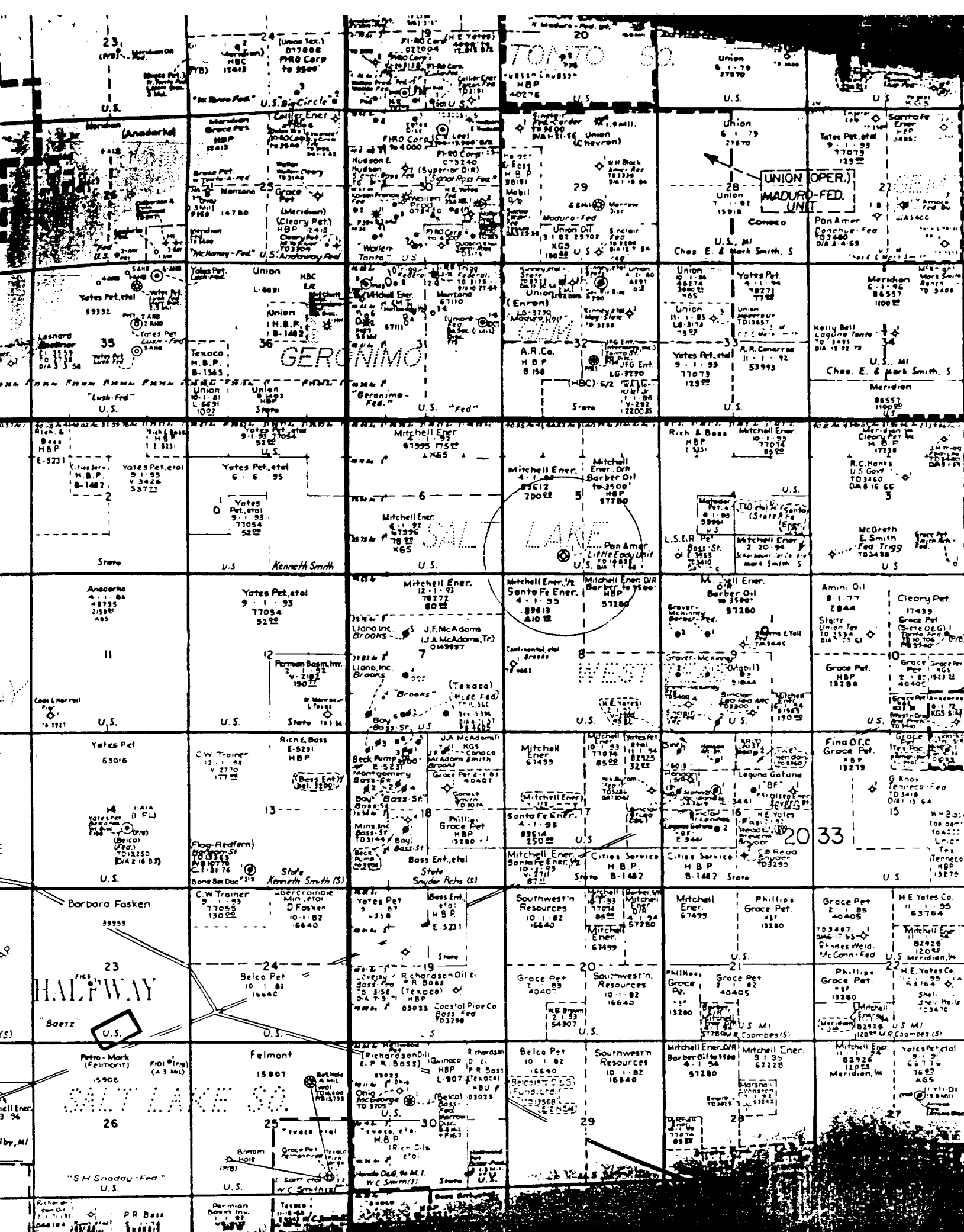


Tubing size 3 1/2" lined with plastic coated (material) set in a
 Baker Model R (brand and model) packer at 5500' feet

(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation Devonian, Wolfcamp, Bone Spring
- Name of field or pool (if applicable) NA
- Is this a new well drilled for injection? ☐ Yes ☒ No
 If no, for what purpose was the well originally drilled? Oil & gas test
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used)
11,595-600 cementing perf. CIBPC 11,492, 11,184-248 Wolfcamp 25 ex
11,107-10,900, 9136-88 Bone Spring 25 ex 9200-9000
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.
Delaware 7900' Bone Springs 9000'
Yates-Seven Rivers 2900'



LAGUNA GATUNA INC. PROPOSES TO REENTER THE PLUGGED AND ABANDONED PAN AMERICAN PETROLEUM CORP. LITTLE EDDY UNIT NO.1 WHICH WAS DRILLED IN 1966, AND CONVERT THE WELL TO A SALT WATER DISPOSAL WELL. THE CONVERSION WILL BE DONE AS OUTLINED ON THE ATTACHED WORKOVER SHEET.

THERE ARE NO WELLS WITHIN ONE-HALF MILE OF THE PROPOSED INJECTION WELL. OIL PRODUCTION FROM THE YATES AND YATES-SEVEN RIVERS OCCURS ABOUT ONE MILE TO THE SOUTHEAST AND SOUTHWEST AT A DEPTH OF AROUND 2900 FEET. THE DELAWARE AND YATES-SEVEN RIVERS ARE PRODUCTIVE APPROXIMATELY ONE AND ONE-HALF MILES TO THE NORTH. THE DELAWARE IS AT A DEPTH OF AROUND 7900 FEET. THE BONE SPRING IS PRODUCTIVE APPROXIMATELY TWO MILES NORTHWEST OF PROPOSED INJECTION WELL AND OCCURS AT A DEPTH OF AROUND 9000 FEET.

APPLICANT PROPOSES TO DISPOSE OF A MAXIMUM OF 10,000 BARRELS OF PRODUCED WATER PER DAY. THE AVERAGE RATE SHOULD APPROACH 6000 BARRELS PER DAY. THE DISPOSAL SYSTEM WILL BE CLOSED AND DISPOSAL WILL BE BY GRAVITY. DISPOSAL WATERS ARE FROM THE BONE SPRING, DELAWARE, YATES-SEVEN RIVERS AND THE GRAYBURG-SAN ANDRES. THESE WATERS ARE PRESENTLY BEING DISPOSED OF IN A SINK-HOLE LAKE AND THEY APPEAR TO BE COMPATIBLE SINCE THEY ARE MIXED PRIOR TO DISPOSAL INTO THE LAKE. COMPLETE COMPATIBILITY TESTING WILL BE DONE UPON RE-ENTRY OF THE WELL WHEN A SAMPLE OF THE DEVONIAN WATER CAN BE COLLECTED FOR COMPATIBILITY TESTING. WATER ANALYSIS FROM EXISTING LITERATURE IS INCLUDED FOR ALL FORMATIONS INVOLVED.

DISPOSAL WILL BE PRIMARILY INTO THE DEVONIAN FORMATION THROUGH OPEN HOLE AT A DEPTH OF 14,608 - 14,895 FEET. THE WELL PENETRATED 313 FEET OF A TOTAL THICKNESS OF AROUND 500 TO 550 FEET OF DEVONIAN. THE DEVONIAN IS DOLOMITIC WITH VUGULAR POROSITY. FRACTURING HAS ALSO BEEN NOTED IN THE DEVONIAN WHICH COMBINED WITH THE VUGULAR POROSITY, MAKES THE DEVONIAN AS EXCELLENT DISPOSAL ZONE.

THE BONE SPRINGS AND WOLFCAMP ARE PERFORATED AND THERE WILL PROBABLY BE A SMALL AMOUNT OF SEEPAGE OF INJECTION FLUID INTO THESE ZONES. HOWEVER, THE DEVONIAN WILL, FOR ALL PRACTICAL PURPOSES BE THE DISPOSAL INTERVAL. THE BONE SPRINGS IS A COMBINATION OF SHALE, SANDSTONE AND LIMESTONE AND IS ABOUT 3400 FEET THICK IN THIS AREA. THE WOLFCAMP IS SHALE AND LIMESTONE AND IS APPROXIMATELY 900 FEET THICK.

THERE ARE NO FRESH WATER AQUIFERS IN THE AREA AND NO WATER WELLS IN VICINITY OF THE PROPOSED INJECTION WELL. ANY FRESH WATER IN THIS GENERAL AREA IS VERY LOCALIZED AND VERY LIMITED AND IS USUALLY SITUATED ABOVE 200 TO 300 FEET. AFTER EXAMINING THE AVAILABLE ENGINEERING AND GEOLOGICAL DATA ASSOCIATED WITH THIS APPLICATION, THERE IS NO EVIDENCE OF OPEN FAULTS OR ANY OTHER HYDROLOGIC CONNECTION BETWEEN THE DISPOSAL ZONE AND ANY UNDERGROUND SOURCE OF DRINKING WATER. FURTHER, THE CAPITAN REEF AND THE SALT SECTION ARE PROTECTED BY CASING, CEMENT AND THE INJECTION TUBING AND PACKER.

CERTIFIED COPIES OF THIS APPLICATION HAVE BEEN FURNISHED TO:

BUREAU OF LAND MANAGEMENT
BOX 1778
CARLSBAD, NM 88221-1778

MITCHELL ENERGY
P. O. BOX 4000
THE WOODLANDS, TX 77387-4000

SANTA FE ENERGY
1616 S. VOSS ROAD
HOUSTON, TX 77057

BARBER OIL INC
BOX 1658
CARLSBAD, NM 88221-1658

NOTICE OF PUBLICATION WILL BE FORWARDED AS SOON AS POSSIBLE. ANY REQUIREMENTS FOR OPERATING ON FEDERAL LANDS WILL BE COMPLIED WITH AFTER INJECTION APPROVAL IS OBTAINED.

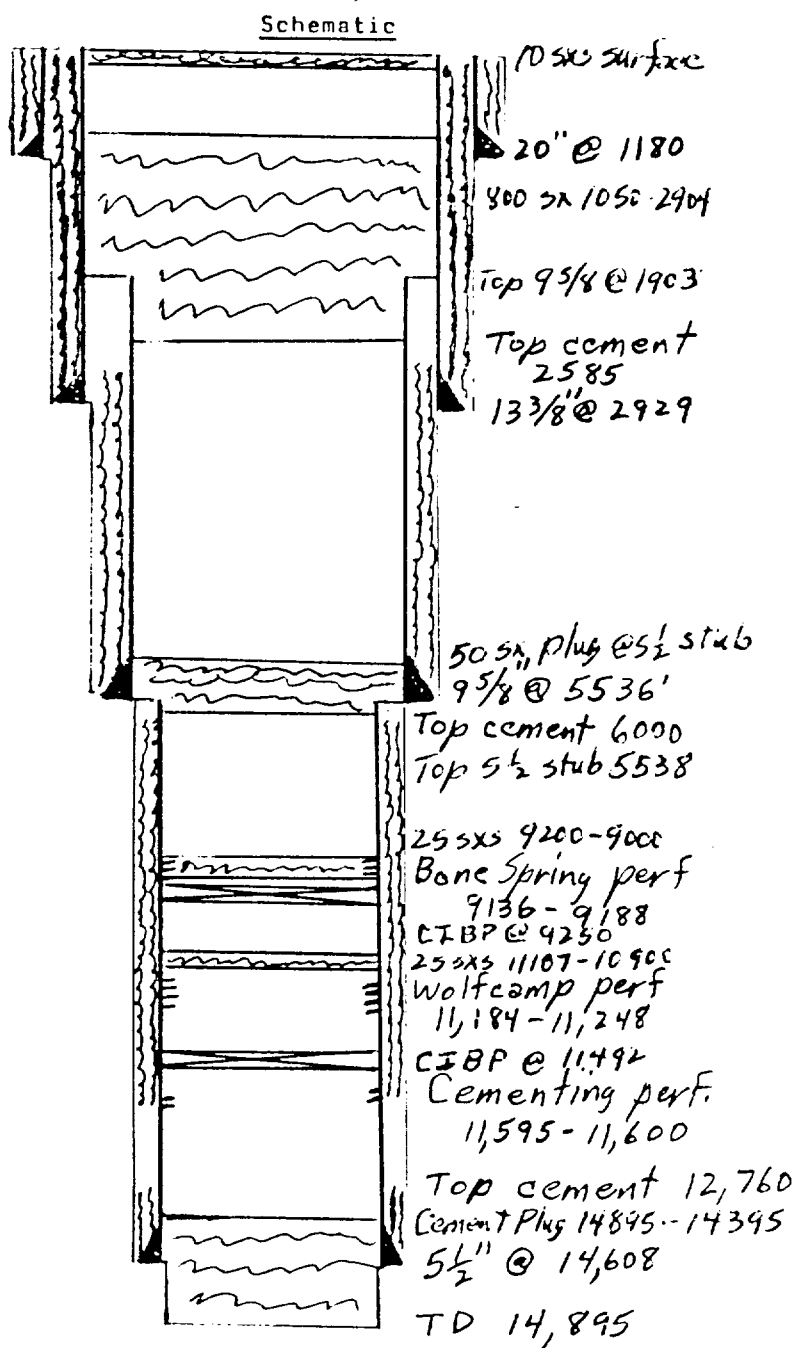
Pan American
Little Eddy Unit #1

N-5-20-33

- 1) MIRU pulling unit. PU workstring with 6 drill collars and 12" mill tooth bit.
- 2) Drill 10' surface plug and cement 1050' to 1903' (9 5/8" stub). POH
- 3) PU 8 5/8" mill tooth bit and drill cement plug from 9 5/8" stub to 2904'. Test casing to 500 psi.
- 4) Drill cement plug on top of 5 1/2" casing stub. POH
- 5) Pick up 4 1/2" bit on 6-3 1/4" - 3 1/2" Drill Collars.
- 6) Drill out cement plugs and CIBPS to 14895' TD. POH & Lay down bit and collars. Take injection test
- 7) Run in hole with 3 1/2" injection tubing, 9 5/8" Model R injection packer and 2 jts. 2 7/8" tailpipe.
- 8) Displace annulus with fresh water and packer fluid with packer at 5500'.
- 9) Set packer and test annulus to 500 psi for 30 minutes.
- 10) Place on injection. Take maximum injection rate test.

Pan American Petroleum Corp.
Little Eddy Unit No. 1

Schematic indicating the present
condition of proposed disposal well.



LOC.	DATE OF COLLECTION	DEPTH FROM TO	SAMP. METHOD	SILICA (SiO ₂) (MG/L)	IRON (FE) (MG/L)	CALCIUM (CA) (MG/L)	MAGNESIUM (MG)	SODIUM + POTASSIUM (MG/L)	BICARBONATE (MG/L)	SULFATE (SO ₄) (MG/L)	CHLORIDE (CL) (MG/L)	FLUORIDE (F) (MG/L)	DENSITY OF WATER (G/ML) AT 20°C	DISSOLVED SOLIDS (MG/L)	(Ca+Mg)/ (HARDNESS) (MG/L)	SPECIFIC CONDUCTANCE (UMHOS) AT 25°C	SPECIFIC CONDUCTANCE (UMHOS) AT 18°C	RESISTIVITY (OHM-CM) AT 18°C	PH
1	01-01-65	3,400-4,998	453CPRF	MM	-	870	400	2,400	317	2,700	5,000	5,000	1.010	13,000	606	15,000	15,000	668	7
2	01-08-65	3,400-4,998	453CPRF	MM	-	860	390	2,400	317	2,700	5,000	5,000	1.010	13,000	588	15,000	15,000	668	7
3	01-04-65	3,400-4,998	453CPRF	MM	-	850	400	2,400	368	2,800	5,000	5,000	1.010	12,000	605	14,700	14,700	678	7
4	01-06-65	3,400-4,998	453CPRF	MM	-	840	400	2,400	317	2,800	5,000	5,000	1.010	13,000	590	15,000	15,000	668	7
5	01-11-65	3,400-4,998	453CPRF	MM	-	870	390	2,400	122	2,400	5,000	5,000	1.010	12,000	605	14,100	14,100	704	7
6	01-00-62	3,400-4,998	453CPRF	MM	-	860	400	2,400	244	2,700	5,000	5,000	1.010	12,000	605	14,100	14,100	671	7
7	01-00-62	3,400-4,998	453CPRF	MM	-	860	400	2,400	-	25,000	25,000	25,000	1.014	-	-	-	-	-	-
8	01-23-62	3,400-4,998	453CPRF	MM	-	730	250	1,000	-	1,500	2,800	2,800	1.014	7,800	455	9,050	9,050	140	6
9	01-30-62	3,400-4,998	453CPRF	MM	-	520	220	1,000	1,040	1,500	2,800	2,800	1.006	7,800	455	9,050	9,050	140	6
10	04-26-65	3,400-4,998	453CPRF	MM	-	620	230	1,000	95	1,500	2,800	2,800	1.007	9,100	822	7,130	7,130	140	7
11	04-26-65	3,400-4,998	453CPRF	MM	-	620	230	1,000	95	1,500	2,800	2,800	1.007	9,100	822	7,130	7,130	140	7
12	04-26-65	3,400-4,998	453CPRF	MM	-	650	240	1,000	95	1,500	2,800	2,800	1.007	9,100	822	7,130	7,130	140	7
13	01-14-66	3,400-4,998	453CPRF	MM	-	720	260	1,000	935	1,500	2,800	2,800	1.008	8,500	920	7,140	7,140	140	7
14	01-14-66	3,400-4,998	453CPRF	MM	-	1,500	1,300	11,000	488	2,400	24,000	2,400	1.034	39,000	343	50,300	50,300	114	7
15	01-07-71	3,400-4,998	453CPRF	DT	-	1,540	550	15,000	573	3,800	6,200	6,200	1.030	44,000	180	54,500	54,500	144	7
16	01-07-71	3,400-4,998	453CPRF	DT	-	1,540	550	15,000	902	2,400	160,000	160,000	1.117	15,000	228	219,000	219,000	540	6
17	01-04-66	3,400-4,998	453CPRF	RR	-	-	-	100,000	-	-	160,000	160,000	1.117	-	-	219,000	219,000	540	6
18	01-04-66	3,400-4,998	453CPRF	RR	-	-	-	100,000	-	-	160,000	160,000	1.117	-	-	219,000	219,000	540	6
19	01-12-67	3,400-4,998	453CPRF	RR	-	140	140	100,000	140	220	160,000	160,000	1.117	5,000	125	14,000	14,000	111	4
20	01-20-52	3,400-4,998	453CPRF	DT	-	1,000	300	2,000	140	2,800	3,300	3,300	1.007	13,000	553	14,300	14,300	672	6
21	04-00-60	3,400-4,998	453CPRF	SB	-	-	-	15,000	118	-	23,000	23,000	1.029	-	-	-	-	-	-
22	01-12-66	3,400-4,998	453CPRF	RR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	06-10-66	3,400-4,998	453CPRF	SB	-	-	-	75,000	-	-	120,000	120,000	1.125	-	-	200,000	200,000	-	-
24	06-10-66	3,400-4,998	453CPRF	SB	-	-	-	61,000	-	-	94,000	94,000	1.106	-	-	177,000	177,000	-	-
25	05-00-59	3,400-4,998	453CPRF	RR	-	-	-	59,000	-	-	91,000	91,000	1.106	-	-	168,000	168,000	-	-
26	05-00-59	3,400-4,998	453CPRF	RR	-	-	-	75,000	-	-	140,000	140,000	1.125	-	-	-	-	-	-
27	00-00-00	3,400-4,998	453CPRF	DT	-	16,000	2,500	45,000	134	800	0	0	1.145	220,000	356	184,000	184,000	045	24.0
28	04-23-62	3,400-4,998	453CPRF	DT	-	40,000	4,100	100,000	161	650	0	0	1.203	280,000	403	192,000	192,000	046	22.0
29	04-23-62	3,400-4,998	453CPRF	SB	-	27,000	5,200	59,000	88	720	150,000	150,000	1.132	240,000	434	187,000	187,000	053	6
30	04-23-62	3,400-4,998	453CPRF	SB	-	32,000	6,000	60,000	91	370	150,000	150,000	1.170	300,000	434	187,000	187,000	053	6
31	01-00-60	3,400-4,998	453CPRF	DT	-	29,000	5,200	44,000	40	600	170,000	170,000	1.144	350,000	374	189,000	189,000	046	22.0
32	12-23-59	3,400-4,998	453CPRF	DT	-	32,000	5,200	44,000	40	600	170,000	170,000	1.144	350,000	374	189,000	189,000	046	22.0
33	01-18-69	3,400-4,998	453CPRF	MM	-	32,000	11,000	47,000	48	430	130,000	130,000	1.185	250,000	224	181,000	181,000	055	6
34	07-10-59	3,400-4,998	453CPRF	DT	-	1,500	30	47,000	48	430	130,000	130,000	1.046	26,000	228	181,000	181,000	055	6
35	07-24-59	3,400-4,998	453CPRF	DT	-	1,300	18	47,000	48	430	130,000	130,000	1.037	26,000	228	181,000	181,000	055	6
36	07-24-59	3,400-4,998	453CPRF	DT	-	2,000	18	47,000	48	430	130,000	130,000	1.037	26,000	228	181,000	181,000	055	6
37	02-13-63	3,400-4,998	453CPRF	DT	-	2,000	18	47,000	48	430	130,000	130,000	1.037	26,000	228	181,000	181,000	055	6
38	02-13-63	3,400-4,998	453CPRF	DT	-	2,000	18	47,000	48	430	130,000	130,000	1.037	26,000	228	181,000	181,000	055	6
39	02-21-62	3,400-4,998	453CPRF	MM	-	2,000	18	47,000	48	430	130,000	130,000	1.037	26,000	228	181,000	181,000	055	6
40	02-21-62	3,400-4,998	453CPRF	MM	-	2,000	18	47,000	48	430	130,000	130,000	1.037	26,000	228	181,000	181,000	055	6
41	02-21-62	3,400-4,998	453CPRF	MM	-	2,000	18	47,000	48	430	130,000	130,000	1.037	26,000	228	181,000	181,000	055	6
42	04-25-61	3,400-4,998	453CPRF	MM	-	2,000	18	47,000	48	430	130,000	130,000	1.037	26,000	228	181,000	181,000	055	6
43	00-00-64	3,400-4,998	453CPRF	MM	-	2,000	18	47,000	48	430	130,000	130,000	1.037	26,000	228	181,000	181,000	055	6
44	00-00-64	3,400-4,998	453CPRF	MM	-	2,000	18	47,000	48	430	130,000	130,000	1.037	26,000	228	181,000	181,000	055	6
45	03-21-62	3,400-4,998	453CPRF	MM	-	2,000	18	47,000	48	430	130,000	130,000	1.037	26,000	228	181,000	181,000	055	6

TABLE 1A. WATER-QUALITY DATA FOR EDDY AND LEA COUNTIES, NEW MEXICO, ARRANGED BY BOTH FORMATION SOURCE AND GEOGRAPHIC LOCATION.

TABLE 1B. WATER-QUALITY DATA FOR EDDY AND LEA COUNTIES, NEW MEXICO, ARRANGED BY BOTH FORMATION SOURCE AND GEOGRAPHIC LOCATION.

TABLE 1C. WATER-QUALITY DATA FOR EDDY AND LEA COUNTIES, NEW MEXICO, ARRANGED BY BOTH FORMATION SOURCE AND GEOGRAPHIC LOCATION.

TABLE 1D. WATER-QUALITY DATA FOR EDDY AND LEA COUNTIES, NEW MEXICO, ARRANGED BY BOTH FORMATION SOURCE AND GEOGRAPHIC LOCATION.

LOC.	DATE OF COLLECTION	DEPTH FROM TO	SAMP. METHOD	SILICA (SiO ₂) (MG/L)	IRON (FE) (MG/L)	CALCIUM (CA) (MG/L)	MAGNESIUM (MG)	SODIUM + POTASSIUM (MG/L)	BICARBONATE (MG/L)	SULFATE (SO ₄) (MG/L)	CHLORIDE (CL) (MG/L)	FLUORIDE (F) (MG/L)	DENSITY OF WATER (G/ML) AT 20°C	DISSOLVED SOLIDS (MG/L)	(Ca+Mg)/ (HARDNESS) (MG/L)	SPECIFIC CONDUCTANCE (UMHOS) AT 25°C	SPECIFIC CONDUCTANCE (UMHOS) AT 18°C	RESISTIVITY (OHM-CM) AT 18°C	PH
1	01-01-65	3,400-4,998	453CPRF	MM	-	870	400	2,400	317	2,700	5,000	5,000	1.010	13,000	606	15,000	15,000	668	7
2	01-08-65	3,400-4,998	453CPRF	MM	-	860	390	2,400	317	2,700	5,000	5,000	1.010	13,000	588	15,000	15,000	668	7
3	01-04-65	3,400-4,998	453CPRF	MM	-	850	400	2,400	368	2,800	5,000	5,000	1.010	12,000	605	14,700	14,700	678	7
4	01-06-65	3,400-4,998	453CPRF	MM	-	840	400	2,400	317	2,800	5,000	5,000	1.010	13,000	590	15,000	15,000	668	7
5	01-11-65	3,400-4,998	453CPRF	MM	-	870	390	2,400	122	2,400	5,000	5,000	1.010	12,000	605	14,100	14,100	704	7
6	01-00-62	3,400-4,998	453CPRF	MM	-	860	400	2,400	244	2,700	5,000	5,000	1.010	12,000	605	14,100	14,100	671	7
7	01-00-62	3,400-4,998	453CPRF	MM	-	860	400	2,400	-	25,000	25,000	25,000	1.014	-	-	-	-	-	-
8	01-23-62	3,400-4,998	453CPRF	MM	-	730	250	1,000	-	1,500	2,800	2,800	1.014	7,800	455	9,050	9,050	140	6
9	01-30-62	3,400-4,998	453CPRF	MM	-	520	220	1,000	1,040	1,500	2,800	2,800	1.006	7,800	455	9,050	9,050	140	6
10	04-26-65	3,400-4,998	453CPRF	MM	-	620	230	1,000	95	1,500	2,800	2,800	1.007	9,100	822	7,130	7,130	140	7
11	04-26-65	3,400-4,998	453CPRF	MM	-	620	230	1,000	95	1,500	2,800	2,800	1.007	9,100	822	7,130	7,130	140	7
12	04-26-65	3,400-4,998	453CPRF	MM	-	650	240	1,000	935	1,500	2,800	2,800	1.007	9,100	822	7,130	7,130	140	7
13	01-14-66	3,400-4,998	453CPRF	MM	-	720	260	1,000	935	1,500	2,800	2,800	1.008	8,500	920	7,140	7,140	140	7
14	01-14-66	3,400-4,998	453CPRF	MM	-	1,500	1,300	11,000	488	2,400	24,000	2,400	1.034	39,000	343	50,300	50,300	114	7
15	01-07-71	3,400-4,998	453CPRF	DT	-	1,540	550	15,000	573	3,800	6,200	6,200	1.030	44,000	180	54,500	54,500	144	7
16	01-07-71	3,400-4,998	453CPRF	DT	-	1,540	550	15,000	902	2,400	160,000	160,000	1.117	15,000	228	219,000	219,000	540	6</

Table with 10 columns: STATION, DATE OF COLLECTION, DEPTH FROM TO, FORMATION, SAMP. LING, SILICA, IRON, CALCIUM, MAGNESIUM, SODIUM + POTASSIUM, SULFATE, CHLORIDE, FLUORIDE, NITRATE, DENSITY OF WATER, SPECIFIC CONDUCTIVITY, SPECIFIC RESISTIVITY, SPECIFIC TEMPERATURE, SPECIFIC AT 100°C, SPECIFIC AT 25°C, SPECIFIC AT 100°C.

TABLE 1A --WATER-QUALITY DATA FOR EDDY AND LEA COUNTIES, NEW MEXICO, ARRANGED BY BOTH FORMATION SOURCE AND GEOGRAPHIC LOCATION.

Table with 10 columns: STATION, DATE OF COLLECTION, DEPTH FROM TO, FORMATION, SAMP. LING, SILICA, IRON, CALCIUM, MAGNESIUM, SODIUM + POTASSIUM, SULFATE, CHLORIDE, FLUORIDE, NITRATE, DENSITY OF WATER, SPECIFIC CONDUCTIVITY, SPECIFIC RESISTIVITY, SPECIFIC TEMPERATURE, SPECIFIC AT 100°C, SPECIFIC AT 25°C, SPECIFIC AT 100°C.

TABLE 1B --WATER-QUALITY DATA FOR EDDY AND LEA COUNTIES, NEW MEXICO, ARRANGED BY BOTH FORMATION SOURCE AND GEOGRAPHIC LOCATION.

PS Form 3811, November 1990 *U.S. GPO: 1991-287-066

1. Article Addressed to: **SB**
Mitchell Energy
Box 4008
The Woodlands, TX 77387

2. Article Number: **467392**

3. Restricted Delivery: ☐

4. Service Type:
☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

5. Date of Delivery: **10/10/92**

6. Addressee's Address (Only if requested and fee is paid):

7. Signature (Agent): **Ray Duncan**

PS Form 3811, November 1990 *U.S. GPO: 1991-287-066

1. Article Addressed to: **7458**

2. Article Number:

3. Restricted Delivery: ☐

4. Service Type:
☐ Registered ☐ Insured
☐ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

5. Date of Delivery:

6. Addressee's Address (Only if requested and fee is paid):

7. Signature (Agent):

PS Form 3811, November 1990 *U.S. GPO: 1991-287-066

1. Article Addressed to: **These are the return receipts for the Laguna Cotuna Inc SWD application.**

2. Article Number:

3. Restricted Delivery: ☐

4. Service Type:
☐ Registered ☐ Insured
☐ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

5. Date of Delivery:

6. Addressee's Address (Only if requested and fee is paid):

7. Signature (Agent): **Leadman**

PS Form 3811, November 1990 *U.S. GPO: 1991-287-066

1. Article Addressed to: **Barber Oil Inc**
P.O. Box 1658
Carlsbad, NM 88221-1658

2. Article Number:

3. Restricted Delivery: ☐

4. Service Type:
☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

5. Date of Delivery:

6. Addressee's Address (Only if requested and fee is paid):

7. Signature (Agent): **John [Signature]**

8. Signature (Addressee): **[Signature]**

9. Date of Delivery: **10/10/92**

10. Addressee's Address (Only if requested and fee is paid):

PS Form 3811, November 1990 *U.S. GPO: 1991-287-066

1. Article Addressed to: **Bureau of Jail Management**
P.O. Box 1778
Carlsbad, NM 88221-1778

2. Article Number: **P 36508739**

3. Restricted Delivery: ☐

4. Service Type:
☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

5. Date of Delivery:

6. Addressee's Address (Only if requested and fee is paid):

7. Signature (Agent): **[Signature]**

8. Signature (Addressee): **[Signature]**

9. Date of Delivery: **APR 9 1992**

10. Addressee's Address (Only if requested and fee is paid):

David
Here's a copy of
The Legal for
the SWD Well

RELEASE DATE
4.24.92 Joe Ramey

Court
By: Bobby Allen
A, (seal) 128 PHILIAS

LEGAL NOTICE

April 10, 1992

Laguna Gatuna Inc. P.O.
Box 2158, Hobbs, NM 88241
will convert the Pan Amer-
ican Petroleum Corp.
Little Eddy Unit No. 1
located 660 feet from the
South line and 1980 feet
from the West line of Sec-
tion 5, Township 20 South,
Range 33 East, Lea
County, New Mexico, to a
salt water disposal well.
Injection will be into the
Bone Springs from 9136 -
9188 feet, the Wolfcamp
from 11,184 - 11,248 feet,
and the Devonian from
14,608 - 14,895 feet.

Maximum injection rate
is 10,000 barrels per day
with no injection pressure
anticipated.

Contact party for the
applicant is:

Joe D. Ramey
P.O. Box 6016
Hobbs, NM 88241-6016
(505) 392-6525

Interested parties must
file objections or requests
for hearing within 15 days
to:

OIL CONSERVATION

DIVISION

P.O. Box 2088
Santa Fe, NM 87501-2088