

PELTO OIL COMPANY
PROPOSED TWIN LAKES SAN ANDRES UNIT
CHANVES COUNTY, NEW MEXICO

PROJECT COST ESTIMATES

The total cost of the proposed waterflood project is estimated to be \$8.30 million. This total consists of \$1.10 million pre-unitization expenses, \$6.20 million initial installation capital, and \$1.00 million future capital to install larger pumping units during peak well responses.

I. PRE-UNITIZATION EXPENSE: This is the summation of costs incurred and pre-paid for by Pelto prior to unitization for activities uniquely required to evaluate floodability of the San Andres reservoir, to acquire water rights and rights-of-way for a water source pipeline, to design the waterflood and facilities, and to determine the costs to install the waterflood.

	<u>8/8ths Costs M\$</u>	<u>Date</u>
1. <u>Consultant and Legal Fees</u>		
Source Water Acquisition	80	
Acquiring Rights-of-way & Surface Leases	21	
Petrophysical Analysis	75	
Geological Analysis	55	
Reservoir Analysis - Analog Fields	15	
Water Source System Design & Bid Preparation	103	
Facilities Design & Bid Preparation	108	
Surveying for Facilities & Water Source System	4	
Land Title, Division Orders & Unitization Procedures	<u>2</u>	
Subtotal	463	
2. <u>Acquisition of Source Water</u>		
Source water acquisition	42	
Water Source Pipeline Rights-of-way	90	
Water Source Facilities Surface Leases & Easements	2	
Field Central Facilities Surface Lease	<u>0</u>	
Subtotal	134	
3. <u>Infill Drilling, Coring and Testing</u>		
Drill and Complete O'Brien L-15 and L-16	360	
L-16 Coring and Core Analyses	28	
Convert J-3 and L-3 to Injectors	28	
Facilities, Water Source and Analysis for		
Injectivity Tests	48	
Bottom Hole Pressure Test Program	<u>2</u>	
Subtotal	474	
4. Total Costs Already Incurred (1,2,3 above)	1071	
Anticipated Additional Costs	<u>29</u>	
GRAND TOTAL PRE-UNITIZATION EXPENSES	<u>\$1100</u>	1987



II. WATER FLOOD INSTALLATION: These expenditures will be authorized by AFE's after unitization.

<u>1. Facilities</u>	<u>8/8ths Costs M\$</u>	<u>Date</u>
Central Injection Facilities	586	
Central Production Facilities	113	
Central Battery and Injection Station Site	158	
Satellite Trunk Lines	565	
Satellites Production and Injection Facilities	1,655	
Rebuild Electrical Distribution System	108	
State Taxes and Contingencies	<u>315</u>	
Subtotal	3,500	
<u>2. Water Supply System</u>		
Pipe	740	
Tank, Valves, Meters, Pumps, Motors	99	
Electrical Materials & Installation	153	
Construction	448	
Contingency	<u>60</u>	
Subtotal	1,500	
<u>3. Convert 55 Wells to Injection</u>	900	
<u>4. Drill 3 Injectors</u>	<u>300</u>	
Total Initial Capital	\$6,200	1987

III. PURCHASE LARGER PUMPING UNITS: These future capital costs will be made during peak well responses

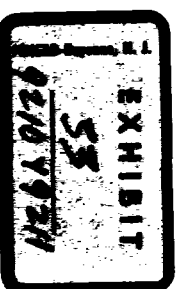
	300	1990
	350	1991
	<u>350</u>	1992
Subtotal	<u>\$1,000</u>	
IV. <u>GRAND TOTAL PROPOSED WATERFLOOD COSTS</u>	<u>\$8,300</u>	

PROPOSED
TWIN LAKES SAN ANDRES UNIT
CHAVES COUNTY, NEW MEXICO

COMPARATIVE *ECONOMICS SUMMARY:

	Continued	Primary + Secondary	
	<u>Primary</u>	<u>Sec/Prl - 1.0</u>	<u>Sec/Prl - 0.6</u>
Total gross oil reserves - MB	298	5,713	3,784
Total gross gas reserves - MMcf	652	1,932	1,826
Net oil reserves - MB	242	4,639	3,073
Net gas reserves - MMcf	530	1,569	1,483
Net equivalent bbls (6 Mcf/Be) MBe	330	4,900	3,320
Ultimate Capital - \$M	0	8,300	8,300
Ultimate Capital - \$/Be	0	1.69	2.50
Undiscounted payout - years	---	4.7	5.9
Undiscounted profit - M\$	1,248	37,944	18,984
Discounted 10% profit - M\$	1,069	13,282	4,678
Rate of Return - %	---	26.7	17.5
Undiscounted Profit Index	---	4.6	2.3

* Working Interest: 1.000
Average Net Revenue Interest: 0.812
Oil Price: \$15.00/Bbl
Gas Price: \$1.50/Mcf



PELTO OIL COMPANY

TWIN LAKES TRACT UTILIZATION PROPERTIES
ILLUMINAR, WKS

PRODUCED TWIN LAKES UNIT



TRACT #	WELL (S)	ACRES		OIL PROD 1/85-4/86		OIL & GAS RESERVE		OIL PROD 4/85-4/86		OIL PROD 4/1/86		1 BOPD PER WELL CUT OFF		4 BOPD PER WELL CUT OFF	
		ACRES	FRACTION	MBD	FRACTION	MBD	FRACTION	MBD	FRACTION	MBD	FRACTION	MBD	FRACTION	MBD	FRACTION
1	CITGO STATE #1	40.00	0.0082240	0.055	0.0012817	1252	0.0015627	0.286	0.0014124	77.232	0.0202220	0.000	0.0000000	77.232	0.0160189
2	CITGO STATE #2 & #6	40.00	0.0082240	0.220	0.0051257	4538	0.0056440	0.894	0.0044151	26.703	0.0069918	1.116	0.0011137	27.819	0.0057700
3	CITGO STATE #3	40.00	0.0082240	0.028	0.0006525	590	0.0007344	0.130	0.0006420	4.227	0.0011068	0.000	0.0000000	4.227	0.0008767
4	CITGO STATE #4, 5, 7	80.00	0.0164480	0.356	0.0062959	6987	0.0067207	1.870	0.0062351	99.772	0.0261238	5.644	0.0005322	105.416	0.0218646
5	CITGO A STATE #1	40.00	0.0082240	0.000	0.0000000	0	0.0000000	0.000	0.0000000	19.307	0.0056552	0.000	0.0000000	19.307	0.0040045
6	CITGO A STATE #2	40.00	0.0082240	0.081	0.0018875	2929	0.0036558	0.313	0.0015458	58.843	0.0154071	0.000	0.0000000	58.843	0.0122048
7	CITGO A STATE #3	40.00	0.0082240	0.059	0.0013749	1511	0.0018859	0.215	0.0010618	89.810	0.025154	0.000	0.0000000	89.810	0.0186278
8	CITGO A STATE #5	40.00	0.0082240	0.096	0.0022371	1961	0.0024476	0.402	0.0019853	69.393	0.0181675	0.217	0.0002165	69.610	0.0144380
9	CITGO A STATE #6, 7, 8	120.00	0.0246720	0.633	0.0147508	12123	0.0151311	2.657	0.0151217	221.888	0.0580780	7.848	0.0078316	229.736	0.0476502
10	STATE CH #1	80.00	0.0164480	0.000	0.0000000	3006	0.0037519	0.000	0.0000000	0.506	0.0001325	0.000	0.0000000	0.506	0.0001050
10A	STATE CH #2	40.00	0.0082240	0.023	0.0005360	554	0.0066915	0.477	0.0023557	12.260	0.0032101	0.000	0.0000000	12.260	0.0025428
11	STATE CH #3	40.00	0.0082240	0.145	0.0033789	3698	0.0046156	0.459	0.0022668	14.711	0.0038518	0.217	0.0002165	14.928	0.0030963
12	B #2	40.20	0.0082651	0.071	0.0016545	1206	0.0015052	0.158	0.0007803	2.697	0.0007062	0.000	0.0000000	2.697	0.0005594
13	C #2, 3, 5, 6, 7	200.39	0.0412001	0.603	0.0140517	13010	0.0162382	2.758	0.0136205	120.336	0.0315081	8.659	0.0086409	128.995	0.0267552
14	E #9	40.00	0.0082240	0.000	0.0000000	0	0.0000000	0.000	0.0000000	0.570	0.0001492	0.000	0.0000000	0.570	0.0001182
15	D #2, 3, 4, 5, 6	160.00	0.0328960	2.876	0.0670193	52552	0.0655919	13.443	0.0663888	122.203	0.0319770	81.811	0.0816400	204.014	0.0423152
16	E #1 THRU #8	320.07	0.0658063	1.248	0.0290821	24068	0.0300401	5.510	0.0272114	82.642	0.0216385	22.211	0.0221646	104.853	0.0217479
17	FEE 25 #1 THRU 4	160.00	0.0328960	1.190	0.0273305	21257	0.0265316	3.990	0.0197048	182.539	0.0477950	20.188	0.0201458	202.727	0.0420482
18	F #6	40.00	0.0082240	0.000	0.0000000	0	0.0000000	0.021	0.0001037	2.839	0.0007433	0.000	0.0000000	2.839	0.0005888
18A		40.00	0.0082240	0.000	0.0000000	0	0.0000000	0.000	0.0000000	0.000	0.0000000	0.000	0.0000000	0.000	0.0000000
19	F #7	40.00	0.0082240	0.000	0.0000000	0	0.0000000	0.000	0.0000000	1.670	0.0004373	0.000	0.0000000	1.670	0.0003464
20		40.00	0.0082240	0.000	0.0000000	0	0.0000000	0.000	0.0000000	0.000	0.0000000	0.000	0.0000000	0.000	0.0000000
21	F #5	40.00	0.0082240	0.044	0.0010253	1461	0.0018235	0.550	0.0027162	6.781	0.0017755	0.000	0.0000000	6.781	0.0014065
22	F #1 THRU #4	120.00	0.0246720	0.821	0.0191317	18692	0.0233301	4.886	0.0241297	92.656	0.0242605	20.362	0.0203195	113.018	0.0234414
23	F #9	40.00	0.0082240	0.045	0.0010486	764	0.0009536	0.197	0.0009729	0.989	0.0002990	0.000	0.0000000	0.989	0.0002051
24	I #1 THRU #8	314.88	0.0647392	2.730	0.0636171	53717	0.0670460	14.059	0.069309	441.118	0.1155000	59.204	0.0590803	500.322	0.1037733
25	J #1	40.00	0.0082240	0.107	0.0024934	1855	0.0023153	1.371	0.0067107	6.303	0.0016503	1.428	0.0014250	7.731	0.0016035
26	J #2 THRU #8-SMD	360.00	0.0740159	4.980	0.1160487	94567	0.1180323	22.112	0.1092010	480.209	0.1257353	113.473	0.1133259	593.682	0.1233374
27	K #1, 2, 3	117.60	0.0241785	1.124	0.0261925	20883	0.0260648	5.700	0.0281497	124.564	0.0326152	29.074	0.0290132	153.638	0.0318665
28	DB #1, 2, 3	120.00	0.0246720	1.709	0.0398248	31457	0.0392626	7.384	0.0366662	93.337	0.0244389	32.467	0.0323992	125.804	0.0260934
29	L LEASE	636.13	0.1307881	7.634	0.178948	141602	0.1767383	36.341	0.1794715	514.731	0.1347744	210.035	0.2095961	724.766	0.1503259
30	FF #1 THRU #6	320.00	0.0657919	5.972	0.1391653	106777	0.1332720	29.591	0.1461363	408.039	0.1068387	153.044	0.1527242	561.083	0.1163759
31	MOONSHINE 7 #1	40.00	0.0082240	0.466	0.0106592	8513	0.0106254	1.957	0.0096447	28.837	0.0075505	11.863	0.0118382	40.700	0.0084417
32	MOONSHINE 7 #2-#14	595.69	0.1224737	6.201	0.1445017	1108960	0.1359967	28.395	0.1402298	288.336	0.0754963	144.601	0.1442988	432.937	0.0897968
33	GG #1, 2, 3	120.00	0.0246720	0.344	0.0080162	5841	0.0072904	1.581	0.0078078	7.053	0.0018467	3.228	0.0032213	10.281	0.0021324
34	MOONSHINE 18 #1-#5	198.86	0.0408566	2.624	0.0611470	47274	0.0590043	13.056	0.0644776	79.882	0.0209159	69.082	0.0489376	148.964	0.0306971
35	M #1 & #27	80.00	0.0164480	0.428	0.0099737	7591	0.0094746	1.726	0.0065239	36.222	0.0094042	6.322	0.0063088	42.544	0.0086242
TOTALS		4863.82	1.0000000	42.913	1.0000000	1801196	1.0000000	1292.489	1.0000000	3819.205	1.0000000	11002.094	1.0000000	4821.299	1.0000000

Exploded

Exploded

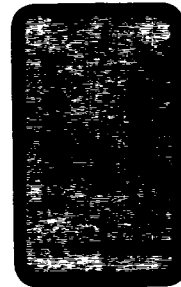
Formulas for each Ex. 3



TWIN LAKES
WORKING INTEREST OWNERS PARAMETERS
PROPOSED TWIN LAKES UNIT
TUESDAY, MARCH 8-31-87

0.1/4

OWNER	ADRES FRACTION	OIL PROD 1/86-4/86 FRACTION	OIL & GAS REVENUE 1/86-4/86 FRACTION	OIL PROD 4/86-7/86 FRACTION	CUM OIL PROD TO 4/1/86 FRACTION	PRIMARY RESERVES AS OF 4/1/86 FRACTION	PRIMARY ULTIMATE FRACTION	4 BOPD PER WELL CUT OFF	PRIMARY RESERVES AS OF 4/1/86 FRACTION	PRIMARY ULTIMATE FRACTION
ADAMS & MCGAHEY	0.00246720	0.00207979	0.00198987	0.00147786	0.00358462	0.00151093	0.00315362	0.00000000	0.00000000	0.00325151
ADAMS, J M	0.00123360	0.00103989	0.00099494	0.00073893	0.00179231	0.00075547	0.00157681	0.00000000	0.00000000	0.00162575
ADAMS, JM & JUNE ADAMS EST	0.00246720	0.00207979	0.00198987	0.00147786	0.00358462	0.00151093	0.00315362	0.00000000	0.00000000	0.00325151
COLUMBIA GAS	0.00528905	0.00572961	0.00570168	0.00615775	0.00713458	0.00634664	0.00697080	0.01106420	0.00749976	0.00749976
HARBERT ENERGY	0.00956248	0.00188321	0.00221262	0.00171198	0.02081497	0.00010284	0.01650999	0.00000000	0.00000000	0.01888057
HARLOW CORP	0.02320452	0.02019637	0.01943309	0.01539437	0.03343916	0.01574444	0.02976552	0.00553210	0.03084575	0.03084575
HARBO PROD CO	0.00616800	0.00519947	0.00497468	0.00369465	0.00896156	0.00377734	0.00788404	0.00000000	0.00000000	0.00812876
PELTO OIL CO	0.74959677	0.72779156	0.73116344	0.73555346	0.71729487	0.73101479	0.72014650	0.73136217	0.718640197	0.718640197
STROEDER, M B	0.04582429	0.04896582	0.04922698	0.04982870	0.04927938	0.05007373	0.04944449	0.05389508	0.04970833	0.04970833
SUN	0.03248587	0.04127393	0.03921904	0.04079881	0.01996491	0.04294138	0.02474053	0.03313904	0.02118921	0.02118921
TENNECO	0.05275215	0.07513167	0.07325159	0.07399939	0.05122469	0.07869889	0.05693515	0.08797588	0.05464003	0.05464003
TRINIDAD PETROLEUM CORP	0.00842752	0.00156985	0.00262904	0.00135961	0.01700013	0.00000000	0.01346671	0.00000000	0.00000000	0.01542026
TIO	0.00991505	0.01319676	0.01306341	0.01299516	0.01171687	0.01242149	0.01186331	0.01774696	0.01774696	0.01227724
WEEKS, MARION	0.04582429	0.04896582	0.04922698	0.04982870	0.04927938	0.05007373	0.04944449	0.05389508	0.04970833	0.04970833
WINTNER, B & R	0.00458243	0.00489658	0.00492269	0.00498287	0.00492794	0.00500736	0.00494445	0.00538950	0.00497083	0.00497083
TOTALS	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000



TWIN LAKES
WORKING INTEREST OWNERS PARAMETERS
PROPOSED TWIN LAKES UNIT
DOTALPH.M.MK
B-31-87

02/4

OWNER	TRACT #	TRACT WT FRACTION	ACRES FRACTION	OIL PROD 1/86-4/86 FRACTION	OIL & GAS REVENUE 1/86-4/86 FRACTION	OIL PROD 4/85-4/86 FRACTION	CUM OIL PROD TO 4/1/86 FRACTION	1 BOPD PER WELL CUT OFF		4 BOPD PER WELL CUT OFF	
								PRIMARY RESERVES AS OF 4/1/86 FRACTION	PRIMARY ULTIMATE FRACTION	PRIMARY RESERVES AS OF 4/1/86 FRACTION	PRIMARY ULTIMATE FRACTION
ADAMS & MCRAEY	17	0.07500000	0.00246720	0.00207979	0.00198987	0.00147786	0.00358462	0.00151093	0.00315362	0.00000000	0.00325151
ADAMS, J M	17	0.03750000	0.00123360	0.00103989	0.00099494	0.00073893	0.00179231	0.00073547	0.00157681	0.00000000	0.00162575
ADAMS, JH & JUNE ADAMS EST	17	0.07500000	0.00246720	0.00207979	0.00198987	0.00147786	0.00358462	0.00151093	0.00315362	0.00000000	0.00325151
COLUMBIA GAS	27	0.21875000	0.00328905	0.00372961	0.00370168	0.00615775	0.00713458	0.00634664	0.00697080	0.01106420	0.00749976
HARBERT ENERGY	8	0.47500000	0.00390640	0.00106262	0.00116261	0.00094302	0.00863051	0.00010284	0.00685805	0.00000000	0.00787848
HARBERT ENERGY	7	0.27510130	0.00226243	0.00037824	0.00051881	0.00029210	0.00044912	0.00000000	0.00512453	0.00000000	0.00586791
HARBERT ENERGY	3	0.13755060	0.00113122	0.00008975	0.00010129	0.00008831	0.00015274	0.00000000	0.00012059	0.00000000	0.00013809
HARBERT ENERGY	1	0.27510130	0.00226243	0.00037824	0.00051881	0.00029210	0.00044912	0.00000000	0.00512453	0.00000000	0.00586791
TOTAL			0.00956248	0.00188321	0.00221262	0.00171198	0.02081497	0.00010284	0.01650999	0.00000000	0.01888057
HARLOW CORP	17	0.62500000	0.02056000	0.01733156	0.01638225	0.01231550	0.02987188	0.01259112	0.02628013	0.00000000	0.02709588
HARLOW CORP	27	0.10937500	0.00264452	0.00286480	0.00285084	0.00307887	0.00336729	0.00317332	0.00348540	0.00553210	0.00374988
TOTAL			0.02320452	0.02019637	0.01943309	0.01539437	0.03343916	0.01576444	0.02976532	0.00553210	0.03084575
WAGB PROD CO	17	0.18750000	0.00616800	0.00519947	0.00497468	0.00369465	0.00896156	0.00377734	0.00788404	0.00000000	0.00812876
PELTO OIL CO	9	0.84250000	0.02078616	0.01242735	0.01274795	0.01105503	0.04894757	0.00659812	0.04014529	0.00000000	0.04439874
PELTO OIL CO	8	0.52500000	0.00431760	0.00011748	0.00028499	0.00104228	0.00053899	0.00013366	0.00073795	0.00000000	0.00086253
PELTO OIL CO	7	0.51500000	0.00423536	0.00079807	0.00097124	0.00054683	0.00211043	0.00000000	0.00059332	0.00000000	0.00106845
PELTO OIL CO	6	0.50000000	0.00412200	0.00094375	0.00082790	0.00077290	0.00070355	0.00000000	0.00610240	0.00000000	0.00698745
PELTO OIL CO	5	1.00000000	0.00822400	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00400450	0.00000000	0.00458540
PELTO OIL CO	4	0.84250000	0.01385744	0.0074719	0.00734719	0.0078057	0.02209520	0.00474513	0.01842993	0.00000000	0.01976388
PELTO OIL CO	35	0.7318750	0.01212526	0.00735249	0.00698456	0.0062871	0.00650771	0.00650509	0.00634188	0.00000000	0.00634188
PELTO OIL CO	34	0.68750040	0.02816885	0.04203854	0.04054546	0.0432835	0.01437948	0.04739460	0.02124176	0.05482434	0.01813874
PELTO OIL CO	33	0.68750040	0.01948703	0.00633155	0.00573828	0.00616694	0.00145860	0.00254432	0.00148426	0.00000000	0.00132107
PELTO OIL CO	32	0.68750000	0.00420067	0.00934492	0.00934973	0.00640799	0.05190371	0.09205943	0.06173530	0.08462759	0.05271461
PELTO OIL CO	31	0.75000000	0.00616880	0.00814440	0.00796905	0.00724853	0.00887865	0.00887865	0.00633128	0.00495480	0.00559710
PELTO OIL CO	30	0.78984375	0.05196532	0.10991884	0.10524284	0.11524284	0.08438588	0.12062825	0.09191878	0.19743922	0.09489214
PELTO OIL CO	3	0.75750000	0.00622968	0.0049427	0.00055782	0.00048631	0.00083840	0.00000000	0.00068410	0.00000000	0.00076045
PELTO OIL CO	29	0.78984375	0.10330216	0.14050910	0.13959544	0.14175444	0.10445072	0.16554817	0.11873397	0.18011779	0.11329669
PELTO OIL CO	28	0.57921880	0.01429049	0.02306727	0.02271414	0.02112191	0.01415547	0.01766231	0.01511379	0.02064431	0.01475844
PELTO OIL CO	27	0.39898430	0.00944684	0.01045040	0.01039945	0.01125129	0.01012795	0.01157581	0.01271423	0.01367902	0.01367902
PELTO OIL CO	26	0.73718750	0.05453660	0.08554985	0.08701194	0.08500161	0.07268049	0.08347609	0.09077355	0.10846232	0.09415624
PELTO OIL CO	25	0.84250000	0.00692872	0.01210069	0.00195064	0.00370431	0.00139038	0.00120056	0.00135095	0.00000000	0.00000000
PELTO OIL CO	24	0.84250000	0.05454278	0.05759741	0.05486626	0.05849553	0.09730875	0.04977515	0.08742901	0.00000000	0.08826569
PELTO OIL CO	23	0.84250000	0.00692872	0.00088345	0.00080341	0.00081967	0.00021821	0.00000000	0.00017280	0.00000000	0.00019790
PELTO OIL CO	22	0.84250000	0.02078616	0.01611846	0.01965561	0.02032927	0.02043947	0.01711918	0.01974938	0.00000000	0.01854006
PELTO OIL CO	21	0.84250000	0.00692872	0.00086382	0.00153630	0.00238840	0.00149586	0.00000000	0.00118498	0.00000000	0.00135885
PELTO OIL CO	20	0.84250000	0.00692872	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
PELTO OIL CO	19	0.84250000	0.00692872	0.00512670	0.00564400	0.0441510	0.00699180	0.00111370	0.00577000	0.00000000	0.00634200
PELTO OIL CO	18	0.84250000	0.00692872	0.00000000	0.00000000	0.00000000	0.00036843	0.00000000	0.00000000	0.00000000	0.00000000
PELTO OIL CO	17	0.84250000	0.00692872	0.00000000	0.00000000	0.00000000	0.00062623	0.00000000	0.00049606	0.00000000	0.00058810
PELTO OIL CO	16	0.84250000	0.05544181	0.02450167	0.02530878	0.02797560	0.01823044	0.01887368	0.01832261	0.00000000	0.01653625
PELTO OIL CO	15	0.73718750	0.02425052	0.04940579	0.04815353	0.04894099	0.02358779	0.06018399	0.03119474	0.08410963	0.02921216
PELTO OIL CO	14	0.84250000	0.00692872	0.00000000	0.00000000	0.00000000	0.00012570	0.00000000	0.00009958	0.00000000	0.00011407
PELTO OIL CO	13	1.00000000	0.04120010	0.01405170	0.01623820	0.01362050	0.03150810	0.00844990	0.02755520	0.00000000	0.02858900
PELTO OIL CO	12	1.00000000	0.00824510	0.00165450	0.00150520	0.00078030	0.00070620	0.00055940	0.00055940	0.00000000	0.00644050
PELTO OIL CO	11	0.84250000	0.00692872	0.00284672	0.00388844	0.0190978	0.0324514	0.00018240	0.00264843	0.00000000	0.00294361
PELTO OIL CO	10	1.00000000	0.02467200	0.00053600	0.00444340	0.01235570	0.00334269	0.00000000	0.00264780	0.00000000	0.00303190
PELTO OIL CO	1	0.51500000	0.00423536	0.00066008	0.00080479	0.00072739	0.01041433	0.00000000	0.00824973	0.00000000	0.00944649
TOTAL			0.74959677	0.7279156	0.7316364	0.7355346	0.71729487	0.7310479	0.72014650	0.73136217	0.71860197
STRECKER, M B	9	0.07500000	0.00185040	0.00110631	0.00113483	0.00098413	0.00435735	0.00058737	0.00357376	0.00000000	0.00395241
STRECKER, M B	4	0.07500000	0.00123360	0.00062219	0.00065405	0.00069263	0.00195929	0.00042742	0.00163985	0.00000000	0.00177720
STRECKER, M B	35	0.06562500	0.00107940	0.00065452	0.00062177	0.00065938	0.00062240	0.00041402	0.00057909	0.00000000	0.00056456
STRECKER, M B	33	0.07031250	0.00173475	0.00056344	0.00051261	0.00054898	0.00012805	0.00026500	0.00014993	0.00000000	0.00011778
STRECKER, M B	30	0.04425000	0.00442500	0.00737069	0.01275271	0.01275271	0.00737069	0.01173943	0.00981826	0.00000000	0.00984437
STRECKER, M B	29	0.07031250	0.00916004	0.01250623	0.01242681	0.01261607	0.00947632	0.01173943	0.01066978	0.00000000	0.01066978

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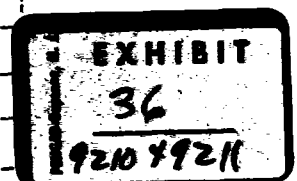
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TWIN LAKES (SAN ANDRES) UNIT
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all - new numbers

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FORMER WELL NAME	TWIN LAKES (SAN ANDRES) UNIT TLSAU #	PROPOSED PRODUCER	PROPOSED INJECTOR
CITGO STATE #1	# 26	XX	
CITGO STATE #2	# 36	XX	
CITGO STATE #3	# 47	XX	
CITGO STATE #4	# 27		X
CITGO STATE #5	# 38		X
CITGO STATE #6	# 37	XX	
CITGO STATE #7	# 28	XX	
CITGO A STATE #1	# 46		X
CITGO A STATE #2	# 45	XX	
CITGO A STATE #3	# 35		X
CITGO A STATE #5	# 17		X
CITGO A STATE #6	# 18	XX	
CITGO A STATE #7	# 19		X
CITGO A STATE #8	# 29	XX	
O'BRIEN B #2	# 53	XX	
O'BRIEN C #2	# 54		X
O'BRIEN C #3	# 74		X
O'BRIEN C #5	# 56	XX	
O'BRIEN C #6	# 55		X
O'BRIEN C #7	# 65	XX	
O'BRIEN D #2	# 91		X
O'BRIEN D #3	# 92	XX	
O'BRIEN D #4	# 99	XX	
O'BRIEN D #5	# 98	XX-SI	
O'BRIEN D #6	#105		X
O'BRIEN DB #1	#110	XX	
O'BRIEN DB #2	#115	XX	
O'BRIEN DB #3	#109		X
O'BRIEN E #1	# 66		X
O'BRIEN E #2	# 75	XX	
O'BRIEN E #3	# 85	XX	
O'BRIEN E #4	# 86		X
O'BRIEN E #5	# 76		X
O'BRIEN E #6	# 67	XX	



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FORMER WELL NAME	TWIN LAKES (SAN ANDRES) UNIT TLSAU #	PROPOSED PRODUCER	PROPOSED INJECTOR
O'BRIEN E #7	# 57		X
O'BRIEN E #8	# 84	XX-SI	
O'BRIEN E #9	# 64	XX	
O'BRIEN F #1	# 8	XX-SI	
O'BRIEN F #2	# 10	XX	
O'BRIEN F #3	# 9		X
O'BRIEN F #4	# 2		X
O'BRIEN F #5	# 44	XX	
O'BRIEN F #6	# 24	XX	
O'BRIEN F #7	# 7	XX	
O'BRIEN F #9	# 1	XX	
O'BRIEN FF #1	# 79	XX	
O'BRIEN FF #2	# 81		X
O'BRIEN FF #3	# 82	XX	
O'BRIEN FF #4	# 88		X
O'BRIEN FF #5	# 89	XX	
O'BRIEN FF #6	# 90		X
O'BRIEN GG #1	# 96	XX	
O'BRIEN GG #2	# 97		X
O'BRIEN GG #3	#104		X
O'BRIEN I #1	# 20	XX	
O'BRIEN I #2	# 30		X
O'BRIEN I #3	# 39	XX	
O'BRIEN I #4	# 21		X
O'BRIEN I #5	# 31	XX	
O'BRIEN I #6	# 40		X
O'BRIEN I #7	# 48		X
O'BRIEN I #8	# 49	XX	
O'BRIEN J #1	# 14	XX	
O'BRIEN J #2	# 41	XX	
O'BRIEN J #3	# 32		X
O'BRIEN J #4	# 50		X
O'BRIEN J #5	# 42		X
O'BRIEN J #6	# 51	XX	

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FORMER WELL NAME	TWIN LAKES (SAN ANDRES) UNIT TLSAU #	PROPOSED PRODUCER	PROPOSED INJECTOR
O'BRIEN J #7	# 33	XX	
O'BRIEN J #8	# 22	XX	
O'BRIEN J #9	# 23		X
O'BRIEN K #1	# 13		X
O'BRIEN K #2	# 5	XX	
O'BRIEN K #3	# 6		X
O'BRIEN L #1	# 59		X
O'BRIEN L #2	# 60	XX	
O'BRIEN L #3	# 61		X
O'BRIEN L #4	# 70		X
O'BRIEN L #5	# 72	XX	
O'BRIEN L #6	# 62	XX	
O'BRIEN L #7	# 73		X
O'BRIEN L #8	# 69	XX	
O'BRIEN L #9	# 78		X
O'BRIEN L #10	# 68		X
O'BRIEN L #11	# 87	XX	
O'BRIEN L #12	# 58	XX	
O'BRIEN L #13	# 77	XX	
O'BRIEN L #15	# 71	XX	
O'BRIEN L #16	# 80	XX	
O'BRIEN N #1	# 43		X
O'BRIEN N #2Y	# 52		X
STATE CH #1	# 34		X
STATE CH #2	# 25		X
STATE CH #3	# 16	XX	
MOONSHINE 7 #1	#102	XX	
MOONSHINE 7 #2	#103		X
MOONSHINE 7 #3	#107		X
MOONSHINE 7 #4	#100		X
MOONSHINE 7 #5	# 94	XX	
MOONSHINE 7 #6	# 95		X
MOONSHINE 7 #7	#106	XX	
MOONSHINE 7 #8	#112	XX	

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FORMER WELL NAME	TWIN LAKES (SAN ANDRES) UNIT TLSAU #	PROPOSED PRODUCER	PROPOSED INJECTOR
MOONSHINE 7 #9	#108	XX	
MOONSHINE 7 #10	#101	XX	
MOONSHINE 7 #11	#111		X
MOONSHINE 7 #12	# 93		X
MOONSHINE 7 #13	#113		X
MOONSHINE 7 #14	#114	XX-SI	
MOONSHINE 18 #1	#117	XX	
MOONSHINE 18 #2	#119		X
MOONSHINE 18 #3	#120	XX	
MOONSHINE 18 #4	#116		X
MOONSHINE 18 #5	#118		X
O'BRIEN FEE 25 #1	# 11		X
O'BRIEN FEE 25 #2	# 12	XX	
O'BRIEN FEE 25 #3	# 4		X
O'BRIEN FEE 25 #4	# 3	XX	
INJECTOR TO BE DRL	# 15		X
INJECTOR TO BE DRL	# 63		X
INJECTOR TO BE DRL	# 83		X

FORMER WELL NAME	TWIN LAKES (SAN ANDRES) UNIT TLSAU #	PROPOSED PRODUCER	PROPOSED INJECTOR
O'BRIEN F #9	# 1	XX	
O'BRIEN F #4	# 2		X
O'BRIEN FEE 25 #4	# 3	XX	
O'BRIEN FEE 25 #3	# 4		X
O'BRIEN K #2	# 5	XX	
O'BRIEN K #3	# 6		X
O'BRIEN F #7	# 7	XX	
O'BRIEN F #1	# 8	XX-SI	
O'BRIEN F #3	# 9		X
O'BRIEN F #2	# 10	XX	
O'BRIEN FEE 25 #1	# 11		X
O'BRIEN FEE 25 #2	# 12	XX	
O'BRIEN K #1	# 13		X
O'BRIEN J #1	# 14	XX	
INJECTOR TO BE DRL	# 15		X
STATE CH #3	# 16	XX	
CITGO A STATE #5	# 17		X
CITGO A STATE #6	# 18	XX	
CITGO A STATE #7	# 19		X
O'BRIEN I #1	# 20	XX	
O'BRIEN I #4	# 21		X
O'BRIEN J #8	# 22	XX	
O'BRIEN J #9	# 23		X
O'BRIEN F #6	# 24	XX	
STATE CH #2	# 25		X
CITGO STATE #1	# 26	XX	
CITGO STATE #4	# 27		X
CITGO STATE #7	# 28	XX	
CITGO A STATE #8	# 29	XX	
O'BRIEN I #2	# 30		X
O'BRIEN I #5	# 31	XX	
O'BRIEN J #3	# 32		X
O'BRIEN J #7	# 33	XX	
STATE CH #1	# 34		X

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FORMER WELL NAME	TWIN LAKES (SAN ANDRES) UNIT TLSAU #	PROPOSED PRODUCER	PROPOSED INJECTOR
CITGO A STATE #3	# 35		X
CITGO STATE #2	# 36	XX	
CITGO STATE #6	# 37	XX	
CITGO STATE #5	# 38		X
O'BRIEN I #3	# 39	XX	
O'BRIEN I #6	# 40		X
O'BRIEN J #2	# 41	XX	
O'BRIEN J #5	# 42		X
O'BRIEN N #1	# 43		X
O'BRIEN F #5	# 44	XX	
CITGO A STATE #2	# 45	XX	
CITGO A STATE #1	# 46		X
CITGO STATE #3	# 47	XX	
O'BRIEN I #7	# 48		X
O'BRIEN I #8	# 49	XX	
O'BRIEN J #4	# 50		X
O'BRIEN J #6	# 51	XX	
O'BRIEN N #2Y	# 52		X
O'BRIEN B #2	# 53	XX	
O'BRIEN C #2	# 54		X
O'BRIEN C #6	# 55		X
O'BRIEN C #5	# 56	XX	
O'BRIEN E #7	# 57		X
O'BRIEN L #12	# 58	XX	
O'BRIEN L #1	# 59		X
O'BRIEN L #2	# 60	XX	
O'BRIEN L #3	# 61		X
O'BRIEN L #6	# 62	XX	
INJECTOR TO BE DRL	# 63		X
O'BRIEN E #9	# 64	XX	
O'BRIEN C #7	# 65	XX	
O'BRIEN E #1	# 66		X
O'BRIEN E #6	# 67	XX	
O'BRIEN L #10	# 68		X

TWIN LAKES (SAN ANDRES) UNIT
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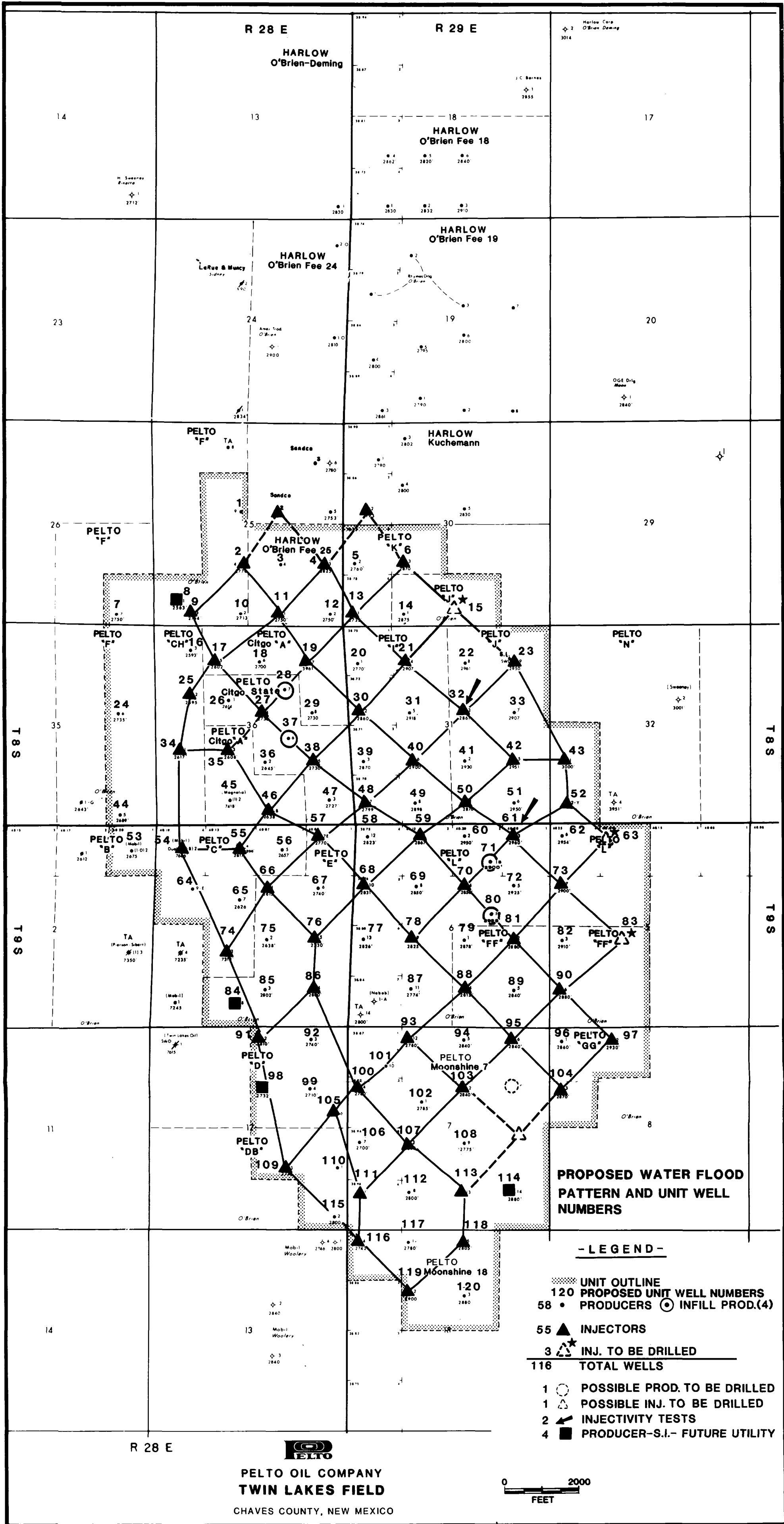
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FORMER WELL NAME	TWIN LAKES (SAN ANDRES) UNIT TLSAU #	PROPOSED PRODUCER	PROPOSED INJECTOR
O'BRIEN L #8	# 69	XX	
O'BRIEN L #4	# 70		X
O'BRIEN L #15	# 71	XX	
O'BRIEN L #5	# 72	XX	
O'BRIEN L #7	# 73		X
O'BRIEN C #3	# 74		X
O'BRIEN E #2	# 75	XX	
O'BRIEN E #5	# 76		X
O'BRIEN L #13	# 77	XX	
O'BRIEN L #9	# 78		X
O'BRIEN FF #1	# 79	XX	
O'BRIEN L #16	# 80	XX	
O'BRIEN FF #2	# 81		X
O'BRIEN FF #3	# 82	XX	
INJECTOR TO BE DRL	# 83		X
O'BRIEN E #8	# 84	XX-SI	
O'BRIEN E #3	# 85	XX	
O'BRIEN E #4	# 86		X
O'BRIEN L #11	# 87	XX	
O'BRIEN FF #4	# 88		X
O'BRIEN FF #5	# 89	XX	
O'BRIEN FF #6	# 90		X
O'BRIEN D #2	# 91		X
O'BRIEN D #3	# 92	XX	
MOONSHINE 7 #12	# 93		X
MOONSHINE 7 #5	# 94	XX	
MOONSHINE 7 #6	# 95		X
O'BRIEN GG #1	# 96	XX	
O'BRIEN GG #2	# 97		X
O'BRIEN D #5	# 98	XX-SI	
O'BRIEN D #4	# 99	XX	
MOONSHINE 7 #4	#100		X
MOONSHINE 7 #10	#101	XX	
MOONSHINE 7 #1	#102	XX	

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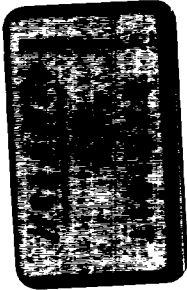
FORMER WELL NAME	TWIN LAKES (SAN ANDRES) UNIT TLSAU #	PROPOSED PRODUCER	PROPOSED INJECTOR
MOONSHINE 7 #2	#103		X
O'BRIEN GG #3	#104		X
O'BRIEN D #6	#105		X
MOONSHINE 7 #7	#106	XX	
MOONSHINE 7 #3	#107		X
MOONSHINE 7 #9	#108	XX	
O'BRIEN DB #3	#109		X
O'BRIEN DB #1	#110	XX	
MOONSHINE 7 #11	#111		X
MOONSHINE 7 #8	#112	XX	
MOONSHINE 7 #13	#113		X
MOONSHINE 7 #14	#114	XX-SI	
O'BRIEN DB #2	#115	XX	
MOONSHINE 18 #4	#116		X
MOONSHINE 18 #1	#117	XX	
MOONSHINE 18 #5	#118		X
MOONSHINE 18 #2	#119		X
MOONSHINE 18 #3	#120	XX	



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TWIN LAKES (SAN ANDRES) WATERFLOOD UNIT
TABLE OF PROPOSED INJECTION WELLS
C-108 III-A

TWIN LAKES (SAN ANDRES) UNIT NEW UNIT NO.															FORMER LEASE & WELL NO.		UNIT LETTER	WELL TYPE OIL-G GAS-G	DATE DRILLED	LOCATION FOOTAGE	TD (PBD)	HOLE SIZE	CASING SIZE	WT.	CASING DEPTH	CMT SX	TOC ON CSG	BOND LOG (C) (B) TEMP SURV (TS)	PROPOSED TBG/PKR DEPTH +/-	PROPOSED INJECTION INTERVAL
SECTION 25 T8S R28E																														
TLSAU # 9		O'BRIEN F #3		M	O	10-11-79	330' FSL 990' FWL	2763 (2762)	12 1/2" 7 7/8"	8 5/8" 4 1/2"	20# 9.5#	120' 2763'	75 SX 125 SX	SURFACE 1966'		(C)	2452'	2527-2586'												
TLSAU # 2		O'BRIEN F #4		K	O	3-4-80	1650' FSL 2310' FWL	2770 (2758)	12 1/2" 7 7/8"	8 5/8" 4 1/2"	20# 9.5#	120' 2770'	75 SX 125 SX	SURFACE 1973'		(C)	2477'	2552-2645'												
TLSAU # 11		HARLOW O'BRIEN FEE 25 #1		O	O	5-21-79	330' FSL 1650' FEL	2750 (2705)	11" 7 7/8"	8 5/8" 5 1/2"	20# 15.5#	122' 2734'	65 SX 125 SX	SURFACE 1620'		(C)	2502'	2577-2638'												
TLSAU # 4		HARLOW O'BRIEN FEE 25 #3		I	O	7-28-79	1650' FSL 330' FEL	2825 (2809)	11" 7 7/8"	8 5/8" 5 1/2"	20# 15.5#	121' 2818'	75 SX 125 SX	SURFACE 1975'		(C)	2524'	2599-2700'												
SECTION 30 T8S R29E																														
TLSAU # 13		O'BRIEN K #1		M	O	4-22-79	330' FSL 330' FWL	2733 (2723)	12 1/2" 7 7/8"	8 5/8" 4 1/2"	28# 9.5#	120' 2733'	75 SX 225 SX	SURFACE 1502'		(C)	2548'	2623-2728'												
TLSAU # 6		O'BRIEN K #3		K	O	11-3-79	1650' FSL 1650' FWL	2870 (2856)	12 1/2" 7 7/8"	8 5/8" 4 1/2"	20# 9.5#	121' 2870'	75 SX 125 SX	SURFACE 2073'		(C)	2566'	2641-2744'												
TLSAU # 15		INJECTOR TO BE DRILLED		O	INJ	NA	330' FSL 3050' FWL	2829	12 1/2" 7 7/8"	8 5/8" 5 1/2"	24# 15.5#	120' 2829'	100 SX 800 SX	SURFACE SURFACE			2584'	2659-2769'												



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TWIN LAKES (SAN ANDRES) WATERFLOOD UNIT
TABLE OF PROPOSED INJECTION WELLS

C-108 III-A

TWIN LAKES (SAN ANDRES) UNIT NEW UNIT NO.		FORMER LEASE & WELL NO.		UNIT LETTER	WELL TYPE OIL-G GAS-G	DATE DRILLED	LOCATION FOOTAGE	TD (PBD)	HOLE SIZE	CASING		WT.	CASING DEPTH	CMT SX	TOC ON CSG	CALC (C) BOND LOG (B) TEMP SURV (TS)		PROPOSED TBG/PKR DEPTH +/-	PROPOSED INJECTION INTERVAL
SECTION 36 T8S R28E											SIZE								
TLSAU # 34		STATE CH COMM. #1	L	G		10-10-67	1980' FSL 660' FWL	2617 (2600)	11 1/4" 7 7/8"	8 5/8" 4 1/2"		24# 9.5#	406' 2616'	400 SX 200 SX		SURFACE 1890'	(TS)	2452'	2527-2627'
TLSAU # 25		STATE CH COMM #2	E	O		3-6-75	1850' FNL 990' FWL	2595 (2593)	12 1/2" 7 7/8"	8 5/8" 4 1/2"		24# 11.6#	82' 2595'	50 SX 200 SX		SURFACE 1252'	(C)	2426'	2501-2600'
TLSAU # 46		CITGO A STATE #1	O	O		3-11-74	330' FSL 2310' FEL	2638 (2636)	12 1/4" 7 7/8"	8 5/8" 4 1/2"		24# 9.5#	40' 2638'	2 YDS 200 SX		SURFACE 1286'	(C)	2496'	2571-2677'
TLSAU # 35		CITGO A STATE #3	K	O		8-7-67	1980' FSL 1980' FWL	2615 (2608)	12 1/2" 6 3/4"	8 5/8" 4 1/2"		24# 9.5#	450' 2615'	100 SX 100 CU FT		SURFACE 1891'	(C)	2473'	2548-2650'
TLSAU # 17		CITGO A STATE #5	C	O		1-26-68	990' FNL 1650' FWL	2602 (2600)	11" 6 3/4"	8 5/8" 4 1/2"		23# 9.5#	320' 2602'	125 SX 100 CU FT		SURFACE 1878'	(C)	2473'	2548-2646'
TLSAU # 19		CITGO A STATE #7	A	O		4-9-79	990' FNL 990' FEL	2750 (2730)	12 1/2" 7 7/8"	8 5/8" 4 1/2"		28# 9.5#	40' 2750'	2 YDS 225 SX		SURFACE 1372'	(C)	2528'	2603-2705'
TLSAU # 27		CITGO STATE #4	G	O		9-9-78	2310' FNL 2310' FEL	2694 (2684)	12 1/2" 7 7/8"	8 5/8" 4 1/2"		28# 9.5#	40' 2694'	2 YDS 200 SX		SURFACE 1438'	(C)	2493'	2568-2668'
TLSAU # 38		CITGO STATE #5	I	O		12-5-78	1650' FSL 990' FEL	2730 (2719)	12 1/2" 7 7/8"	8 5/8" 4 1/2"		28# 9.5#	38' 2730'	2 YDS 200 SX		SURFACE 1395'	(C)	2523'	2598-2700'

TLSTINJ.WR1
8-6-87

TWIN LAKES (SAN ANDRES) WATERFLOOD UNIT
TABLE OF PROPOSED INJECTION WELLS

C-108 III-A

TWIN LAKES (SAN ANDRES) UNIT NEW UNIT NO.														FORMER LEASE & WELL NO.		UNIT LETTER		WELL TYPE OIL-G GAS-G		DATE DRILLED		LOCATION FOOTAGE		TD (PBD)		HOLE SIZE		CASING SIZE		WT.		CASING DEPTH		CMT SX		TOC ON CSG		CALC (C) BOND LOG (B) TEMP SURV (TS)		PROPOSED TBG/PKR DEPTH +/-		PROPOSED INJECTION INTERVAL	
SECTION 31 T8S R29E																																											
TLSAU # 30		O'BRIEN I #2		E		O		10-2-79		2310' FNL 330' FWL		2860 (2850)		12 1/2" 7 7/8"		8 5/8" 4 1/2"		20# 9.5#		128' 2860'		75 SX 150 SX		SURFACE 1894'		(C)		2573'		2648-2748'													
TLSAU # 21		O'BRIEN I #4		C		O		2-16-80		990' FNL 1650' FWL		2907 (2895)		10 3/4" 7 7/8"		8 5/8" 4 1/2"		23# 9.5#		120' 2907'		75 SX 125 SX		SURFACE 2060'		(C)		2594'		2669-2772'													
TLSAU # 40		O'BRIEN I #6		K		O		7-7-80		1650' FSL 1650' FWL		2900 (2896)		12 1/2" 7 7/8"		8 5/8" 4 1/2"		20# 9.5#		121' 2900'		125 SX 125 SX		SURFACE 2053'		(C)		2609'		2684-2785'													
TLSAU # 48		O'BRIEN I #7		M		O		5-21-80		570' FSL 330' FWL		2799 (2776)		12 1/2" 7 7/8"		8 5/8" 4 1/2"		20# 9.5#		119.5' 2799'		75 SX 125 SX		SURFACE 1954'		(C)		2573'		2648-2748'													
TLSAU # 32		O'BRIEN J #3		G		O		10-17-80		2310' FNL 2310' FWL		2861 (2846)		12 1/2" 7 7/8"		8 5/8" 4 1/2"		20# 9.5#		80' 2861'		75 SX 200 SX		SURFACE 1630'		(C)		2623'		2698-2801'													
TLSAU # 50		O'BRIEN J #4		O		O		11-1-80		560' FSL 2310' FWL		2888 (2876)		12 1/2" 7 7/8"		8 5/8" 4 1/2"		20# 9.5#		80' 2888'		5 YDS 200 SX		SURFACE 1657'		(C)		2660'		2735-2836'													
TLSAU # 42		O'BRIEN J #5		I		O		10-25-80		1650' FSL 990' FWL		2951 (2936)		12 1/2" 7 7/8"		8 5/8" 4 1/2"		20# 9.5#		132' 2951'		75 SX 175 SX		SURFACE 1720'		(C)		2671'		2746-2845'													
TLSAU # 23		O'BRIEN J #9		A		O		5-18-81		990' FEL 990' FWL		2950		12 1/4" 7 7/8"		8 5/8" 4 1/2"		20# 9.5#		120' 2943'		75 SX 200 SX		SURFACE 1598'		(C)		2638'		2713-2814'													
SECTION 32 T8S R29E																																											
TLSAU # 43		O'BRIEN N #1		L		O		12-30-80		1650' FSL 430' FWL		3000 (2985)		12 1/2" 7 7/8"		8 5/8" 4 1/2"		20# 9.5#		125' 3000'		75 SX 175 SX		SURFACE 1913'		(C)		2717'		2792-2892'													
TLSAU # 52		O'BRIEN N #2-Y		M		O		5-5-81		540' FSL 480' FWL		2950 (2886)		12 1/2" 7 7/8"		8 5/8" 4 1/2"		24# 9.5#		130' 2924'		125 SX 200 SX		SURFACE 1598'		(C)		2718'		2793-2894'													

TLSTIND.WR1
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TWIN LAKES (SAN ANDRES) WATERFLOOD UNIT
TABLE OF PROPOSED INJECTION WELLS

C-108 III-A

TWIN LAKES (SAN ANDRES) UNIT NEW UNIT NO.													FORMER LEASE & WELL NO.		UNIT LETTER		WELL TYPE OIL-G GAS-G		DATE DRILLED		LOCATION FOOTAGE		TD (PBD)		HOLE SIZE		CASING SIZE		WT.		CASING DEPTH		CMT SX		TOC ON CSG		CALC (C) BOND LOG (B) TEMP SURV (TS)		PROPOSED TBG/PKR DEPTH +/-		PROPOSED INJECTION INTERVAL						
SECTION 1 T9S R28E																																															
TLSAU # 54			O'BRIEN C #2			D			O			8-14-50			660' FNL 660' FSL			7346 (2675)			17" 12" 9"			13 3/8" 9 5/8" 7"			54.5# 36# 23#			675' 3400' 2726- 7346'			800 SX 1600 SX 1065 SX			SURFACE 490' 2970'			(TS) (C)			2459'			2534-2636'		
TLSAU # 74			O'BRIEN C #3			K			O			1-8-73			1980' FSL 1980' FEL			7316 (2718)			11" 7 7/8"			8 5/8" 2 7/8"			24# 6.5#			1957' 2718'			700 SX 250 SX			SURFACE 1800'			(C)			2483'			2558-2661'		
TLSAU # 55			O'BRIEN C #6			C			O			2-21-74			672' FNL 2285' FWL			2617 (2615)			12 1/4" 7 7/8"			8 5/8" 4 1/2"			24# 9.5#			40' 2617'			2 YDS 200 SX			SURFACE 1900'			(C)			2480'			2555-2660'		
TLSAU # 66			O'BRIEN E #1			G			O			2-8-78			1650' FNL 2310' FEL			2615			11" 7 7/8"			8 5/8" 4 1/2"			24# 9.0#			42' 2575'			20 SX 200 SX			SURFACE 1263'			(C)			2503'			2578-2680'		
TLSAU # 86			O'BRIEN E #4			P			O			10-28-80			990' FSL 990' FEL			2800 (2734)			12 1/2" 7 7/8"			8 5/8" 4 1/2"			20# 9.5#			80' 2800'			5 YDS 175 SX			SURFACE 1713'			(C)			2526'			2601-2700'		
TLSAU # 76			O'BRIEN E #5			I			O			9-20-81			2310' FSL 990' FEL			2735 (2721)			12 1/4" 7 7/8"			8 5/8" 4 1/2"			20# 9.5#			130' 2735'			75 SX 200 SX			SURFACE 1383'			(C)			2533'			2608-2702'		
TLSAU # 57			O'BRIEN E #7			A			O			9-29-81			330' FNL 990' FEL			2770			12 1/4" 7 7/8"			8 5/8" 4 1/2"			20# 9.5#			129' 2770'			75 SX 200 SX			SURFACE 1418'			(C)			2526'			2601-2703'		
SECTION 6 T9S R29E																																															
TLSAU # 59			O'BRIEN L #1			C			O			11-7-80			330' FNL 1750' FWL			2867 (2860)			12 1/2" 7 7/8"			8 5/8" 4 1/2"			20# 9.5#			120' 2867'			75 SX 175 SX			SURFACE 1780'			(C)			2613'			2688-2789'		
TLSAU # 61			O'BRIEN L #3			A			O			4-12-81			330' FNL 990' FEL			2960 (2930)			12 1/2" 7 7/8"			8 5/8" 4 1/2"			20# 9.5#			120' 2950'			75 SX 200 SX			SURFACE 1608'			(C)			2666'			2741-2839'		
TLSAU # 70			O'BRIEN L #4			G			O			5-11-81			1650' FNL 2310' FEL			2850 (2838)			12 1/2" 7 7/8"			8 5/8" 4 1/2"			20# 9.5#			130' 2838'			75 SX 200 SX			SURFACE 1498'			(C)			2616'			2691-2789'		
TLSAU # 78			O'BRIEN L #9			K			O			6-27-81			2310' FSL 1650' FWL			2825			12 1/4" 7 7/8"			8 5/8" 4 1/2"			20# 9.5#			128' 2825'			75 SX 200 SX			SURFACE 1473'			(C)			2595'			2670-2764'		
TLSAU # 68			O'BRIEN L #10			E			O			7-9-81			1650' FNL 330' FWL			2831 (2818)			12 1/4" 7 7/8"			8 5/8" 4 1/2"			20# 9.5#			130' 2831'			75 SX 200 SX			SURFACE 1672'			(C)			2585'			2660-2758'		
TLSAU # 81			O'BRIEN FF #2			I			O			6-19-81			2310' FSL 990' FEL			2880			12 1/2" 7 7/8"			8 5/8" 4 1/2"			20# 9.5#			125' 2880'			75 SX 200 SX			SURFACE 1528'			(C)			2623'			2698-2794'		
TLSAU # 88			O'BRIEN FF #4			O			O			7-10-81			990' FSL 2310' FEL			2815			12 1/4" 7 7/8"			8 5/8" 4 1/2"			20# 9.5#			130' 2815'			75 SX 200 SX			SURFACE 1463'			(C)			2596'			2671-2764'		

TLSTINU.WRI
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TWIN LAKES (SAN ANDRES) WATERFLOOD UNIT
TABLE OF PROPOSED INJECTION WELLS

C-108 III-A

TWIN LAKES (SAN ANDRES) UNIT NEW UNIT NO.															FORMER LEASE & WELL NO.		UNIT LETTER	WELL TYPE OIL-O GAS-G	DATE DRILLED	LOCATION FOOTAGE	TD (PBD)	HOLE SIZE	CASING SIZE	WT.	CASING DEPTH	CMT SX	TOC ON CSG	BOND LOG (C) (B) TEMP SURV (TS)	PROPOSED TBG/PKR DEPTH +/-	PROPOSED INJECTION INTERVAL
SECTION 5 T9S R29E																														
TSLAU # 73		O'BRIEN L #7		E	O	6-4-81	1650' FNL 330' FWL	2900 (2891)	12 1/2" 7 7/8"	8 5/8" 4 1/2"	20# 9.5#	125' 2900'	75 SX 200 SX	SURFACE 1797'	(C)	2689'	2764-2867'													
TSLAU # 90		O'BRIEN FF #6		M	O	8-3-81	990' FSL 330' FWL	2880 (2863)	12 1/4" 7 7/8"	8 5/8" 4 1/2"	20# 9.5#	123' 2880'	75 SX 200 SX	SURFACE 1528'	(C)	2661'	2736-2833'													
TSLAU # 63		INJECTOR TO BE DRILLED		C	INJ	NA	330' FNL 1600' FWL	2961	12 1/4" 7 7/8"	8 5/8" 5 1/2"	24# 15.5#	120' 2961'	100 SX 800 SX	SURFACE SURFACE		2729'	2804-2901'													
TSLAU # 83		INJECTOR TO BE DRILLED		K	INJ	NA	2400' FSL 1700' FWL	2941	12 1/4" 7 7/8"	8 5/8" 5 1/2"	24# 15.5#	120' 2941'	100 SX 800 SX	SURFACE SURFACE		2713'	2788-2881'													
SECTION 12 T9S R28E																														
TSLAU # 91		O'BRIEN D #2		B	O	10-10-80	330' FNL 2310' FEL	2810 (2795)	12 1/2" 7 7/8"	8 5/8" 4 1/2"	20# 9.5#	51' 2810'	75 SX 200 SX	SURFACE 1579'	(C)	2501'	2576-2675'													
TSLAU # 105		O'BRIEN D #6		H	O	11-27-83	2310' FNL 330' FEL	2726 (2713)	17 1/2" 12 1/4"	13 3/8" 8 5/8"	61# 24#	127' 745'	150 SX 125 SX + 16 YDS	SURFACE SURFACE		2501'	2576-2674'													
TSLAU # 109		O'BRIEN DB #3		J	O	9-28-82	1650' FSL 1650' FWL	2745 (2734)	12 1/4" 7 7/8"	8 5/8" 4 1/2"	24# 10.5#	115' 2745'	110 SX 225 SX	SURFACE 1443'	(C)	2541'	2616-2713'													

TLSTINJ.WRI
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TWIN LAKES (SAN ANDRES) WATERFLOOD UNIT
TABLE OF PROPOSED INJECTION WELLS
C-108 III-A

TWIN LAKES (SAN ANDRES) UNIT NEW UNIT NO.		FORMER LEASE & WELL NO.		UNIT LETTER	WELL TYPE OIL-G GAS-G	DATE DRILLED	LOCATION FOOTAGE	TD (PBD)	HOLE SIZE	CASING SIZE	WT.	CASING DEPTH	CMT SX	TOC ON CSG	BOND LOG (C) (B) TEMP SURV (TS)	PROPOSED TBG/PKR DEPTH +/-	PROPOSED INJECTION INTERVAL
SECTION 7 T9S R29E																	
TLSAU # 103	MOONSHINE 7 #2	G	O	8-19-81	2310' FEL 1650' FNL	2840 (2811)	12 1/4" 7 7/8"	8 5/8" 4 1/2"	24# 10.5#	306' 2821'	180 SX 1100 SX	SURFACE 890'	(C)		2576'	2651-2748'	
TLSAU # 107	MOONSHINE 7 #3	K	O	9-1-81	2310' FSL 1650' FWL	2840 (2800)	12 1/4" 7 7/8"	8 5/8" 4 1/2"	24# 10.5#	309' 2840'	150 SX 900 SX	SURFACE 980'	(C)		2566'	2641-2741'	
TLSAU # 100	MOONSHINE 7 #4	E	O	9-2-81	1650' FNL 330' FWL	2780 (2745)	12 1/4" 7 7/8"	8 5/8" 4 1/2"	24# 10.5#	331' 2770'	150 SX 900 SX	SURFACE 910'	(C)		2520'	2595-2691'	
TLSAU # 95	MOONSHINE 7 #6	A	O	9-5-81	330' FNL 990' FEL	2840	12 1/4" 7 7/8"	8 5/8" 4 1/2"	24# 10.5#	330' 2840'	150 SX 800 SX	SURFACE 1390'	(C)		2605'	2680-2781'	
TLSAU # 111	MOONSHINE 7 #11	M	O	3-16-82	990' FSL 330' FWL	2781	12 1/4" 7 7/8"	8 5/8" 4 1/2"	24# 10.5#	173' 2781'	150 SX 900 SX	SURFACE 921'	(C)		2557'	2632-2730'	
TLSAU # 93	MOONSHINE 7 #12	C	O	6-3-82	330' FNL 1650' FWL	2780 (2750)	12 1/4" 7 7/8"	8 5/8" 4 1/2"	24# 10.5#	176' 2757'	150 SX 1000 SX	SURFACE 307'	(C)		2557'	2632-2733'	
TLSAU # 113	MOONSHINE 7 #13	O	O	5-20-82	990' FSL 2310' FEL	2793 (2751)	12 1/4" 7 7/8"	8 5/8" 4 1/2"	24# 10.5#	148' 2783'	150 SX 1000 SX	SURFACE 1512'	(B)		2622'	2697-2782'	
SECTION 8 T9S R29E																	
TLSAU # 97	O'BRIEN GG #2	C	O	8-31-81	1650' FWL 330' FNL	2930	12 1/4" 7 7/8"	8 5/8" 4 1/2"	20# 9.5#	130' 2910'	75 SX 200 SX	SURFACE 1578'	(C)		2729'	2804-2902'	
TLSAU # 104	O'BRIEN GG #3	E	O	9-11-81	1650' FNL 330' FWL	2870 (2863)	12 1/4" 7 7/8"	8 5/8" 4 1/2"	20# 9.5#	125' 2863'	75 SX 200 SX	SURFACE 1518'	(C)		2642'	2717-2824'	
SECTION 18 T9S R29E																	
TLSAU # 119	MOONSHINE 18 #2	F	O	6-8-82	1650' FNL 1650' FWL	2900 (2837)	12 1/4" 7 7/8"	8 5/8" 4 1/2"	24# 10.5#	170' 2860'	125 SX 1000 SX	SURFACE 410'	(C)		2635'	2710-2809'	
TLSAU # 116	MOONSHINE 18 #4	D	O	12-12-82	330' FNL 330' FWL	2742 (2727)	12 1/4" 7 7/8"	8 5/8" 5 1/2"	24# 15.5#	213' 2742'	165 SX 800 SX	SURFACE 782'	(C)		2607'	2682-2765'	
TLSAU # 118	MOONSHINE 18 #5	B	O	12-20-82	330' FNL 2310' FEL	2805 (2790)	12 1/4" 7 7/8"	8 5/8" 5 1/2"	24# 15.5#	241' 2805'	150 SX 575 SX	SURFACE 1394'	(B)		2673'	2748-2829'	

PROPOSED INJECTOR

PELTO OIL COMPANY

TWIN LAKES SAN ANDRES UNIT NO.: 9

FORMER LEASE & WELL NAME: O'Brien F #3

330' FSL 990' FWL

UNIT	SECTION	TOWNSHIP	RANGE
M	25	8S	28E

PROPOSED
CONDITIONS

CURRENT
CONDITIONS

2 3/8" OD, 4.7#/FT
FIBERGLASS LINED TBG
W/PLASTIC COATED BAKER
MODEL AD-1 PKR @ 2452'

TOP OF P-1 @ 2527'

BASE OF P-2 @ 2586'

HOLE SIZE 12-1/2"

CSG: 8-5/8" OD

20 #/FT

@ 120'

CMT WITH 75 SX

TOC @ SURFACE (C)

P-1 PERFS @ 2543-2575'

P-2 PERFS @ None

HOLE SIZE: 7-7/8"

CSG: 4-1/2" OD

9.5 #/FT

@ 2763'

CMT WITH 125 SX

TOC @ 1966 FT (C)

PBTD 2762'

TD 2763'

PROPOSED INJECTOR
PELTO OIL COMPANY

TWIN LAKES SAN ANDRES UNIT NO.: 15

FORMER LEASE & WELL NAME:

INJECTOR TO BE DRILLED *

330' FSL

3050' FWL

UNIT	SECTION	TOWNSHIP	RANGE
0	30	8S	29E

**PROPOSED
CONDITIONS**

HOLE SIZE 12 1/2"
CSG: 8 5/8"
24 #/FT
@ 120'
CMT WITH 100 SX

2 3/8" OD, 4.7 #/FT
FIBERGLASS LINED TBG
W/PLASTIC COATED BAKER
MODEL AD-1 PKR @ 2584'

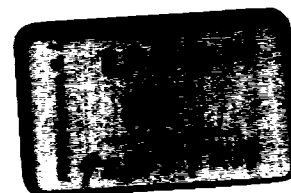
TOP OF P-1 @ 2659'

BASE OF P-2 @ 2769'

HOLE SIZE: 7 7/8"
CSG: 5 1/2"
15.5 #/FT
@ 2829'
CMT WITH 800 SX

TD: 2829'

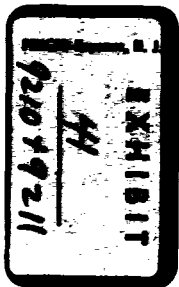
* ALL DEPTHS ARE ESTIMATES BASED ON OFFSET WELLS



TLSTPROD.
B-6-87

TWIN LAKES (SAN ANDRES) WATERFLOOD UNIT
TABLE OF OFFSET WELLS
C-108 VI

TLSAU #	LEASE/WELL NO.	UNIT LETTER	TD (PRID)	TYPE & DATE DRILLED	HOLE SIZE	CASING SIZE	WT	CASING DEPTH	CMT SX	TOC ON CSG	PROD PERFS	REMARKS
SECTION 26 T8S R28E												
7	O'BRIEN F #7	P	2760 (2750)	OIL 8-18-80	12 1/2" 7 7/8"	8 5/8" 4 1/2"	23# 9.5#	114' 2750'	75 SX 125 SX	SURFACE 2036'	(C)	2571-2594.5'
SECTION 25 T8S R28E												
8	O'BRIEN F #1	M	2563	OIL 5-22-78	11" 7 7/8"	8 5/8" 4 1/2"	24# 9.5#	120' 2536'	150 SX 150 SX	SURFACE 1667'	(C)	2536-2563' OPEN HOLE
10	O'BRIEN F #2	N	2714 (2698)	OIL 7-18-79	12 1/2" 7 7/8"	8 5/8" 5 1/2"	20# 14#	120' 2713'	75 SX 175 SX	SURFACE 1381'	(C)	2565-2599'
NOT IN UNIT	O'BRIEN F #8	C	7670 (2684)	OIL 4-22-81	20 1/2" 17 1/2" 10 3/4" 7 7/8"	20" COND 12 3/4" 8 5/8" 5 1/2"	NA 35# 20# 15.5&17#	40' 409' 3000' 2901-6374'	1 YD 475 SX 890 SX 1150 SX	SURFACE SURFACE SURFACE 2901'	(C)	2633.5-2646.5 TEMPORARILY ABANDONED PREP TO P&A
1	O'BRIEN F #9	F	2691 (2670)	OIL 1-23-84	12 1/4" 7 7/8"	8 5/8" 4 1/2"	24# 9.5#	127' 2691'	120 SX 200 SX	SURFACE 1532'	(C)	2590-2620'
12	HARLOW FEE 25 #2	P	2750 (2728)	OIL 8-13-79	11" 7 7/8"	8 5/8" 5 1/2"	20# 14&15#	127' 2749'	70 SX 125 SX	SURFACE 1798'	(C)	2613-2633'
3	HARLOW FEE 25 #4	J	2830 (2697)	OIL 12-19-79	11" 7 7/8"	8 5/8" 5 1/2"	20# 14#	121' 2830'	75 SX 125 SX	SURFACE 1878'	(C)	2580-2614'
NOT IN UNIT	HARLOW FEE 25 #5	H	2753 (2720)	OIL 5-19-80	11" 7 7/8"	8 5/8" 5 1/2"	20# 14#	148' 2753'	60 SX 125 SX	SURFACE 1801'	(C)	2632-2648'
NOT IN UNIT	SANDCO #2	G	2700	OIL 3-6-84	11" 7 7/8"	8 5/8" 4 1/2"	23# 11.6#	125' 2700'	6 YDS 200 SX	SURFACE 1159'	(C)	2574-2591' PROPOSED CROSSLINE INJECTOR
NOT IN UNIT	SANDCO #3	A	2780 (2753)	OIL 5-10-84	11" 7 7/8"	8 5/8" 4 1/2"	23# 11.6#	124' 2753'	6 YDS 175 SX	SURFACE 1739'	(C)	2623-2651' RE-ENTRY OF O'BRIEN FEE 25 #6



TLSTPROD.
8-6-87

TWIN LAKES (SAN ANDRES) WATERFLOOD UNIT
TABLE OF OFFSET WELLS
C-108 VI

TLSAU #	LEASE/WELL NO.	UNIT LETTER	TD (PBD)	TYPE & DATE DRILLED	HOLE SIZE	CASING SIZE	WT	CASING DEPTH	CMT SX	TOC ON CSG	PROD PERFS	REMARKS
SECTION 30 T8S R29E												
NOT IN UNIT	KUCHEMANN #1	D	2790 (2765)	OIL 6-13-79	7 7/8"	8 5/8"	20# 14#	128' 2789'	70 SX 125 SX	SURFACE 1838'	(C)	2636-2680'
NOT IN UNIT	KUCHEMANN #2	E	2793 (2765)	OIL 1-4-80	7 7/8"	8 5/8"	20# 14#	121' 2789'	75 SX 125 SX	SURFACE 1837'	(C)	2624-2645' PROPOSED CROSSLINE INJECTOR
NOT IN UNIT	KUCHEMANN #3	C	2802 (2776)	OIL 7-29-80	7 7/8"	8 5/8"	23# 14# 15.5# 8.17#	130' 2802'	75 SX 125 SX	SURFACE 1850'	(C)	2666-2682'
NOT IN UNIT	KUCHEMANN #4	F	2800 (2754)	OIL 1-13-81	7 7/8"	8 5/8"	20# 14# 15#	125' 2800'	4 YDS 125 SX	SURFACE 1848'	(C)	2639-2679'
NOT IN UNIT	KUCHEMANN #5	G	2830 (2801)	OIL 5-4-81	7 7/8"	8 5/8"	20# 14#	126.5' 2830'	4 YDS 125 SX	SURFACE 1878'	(C)	2688-2716'
14	O'BRIEN J #1	N	2875 (2870)	OIL 12-15-79	12 1/2"	8 5/8"	20# 9.5#	120' 2875'	75 SX 225 SX	SURFACE 1571'	(C)	2647-2698'
5	O'BRIEN K #2	L	2760 (2745)	OIL 7-10-79	12 1/2"	8 5/8"	28# 14#	115' 2760'	75 SX 225 SX	SURFACE 1046'	(C)	2625-2660'
SECTION 35 T8S R28E												
44	O'BRIEN F #5	P	2703 (2689)	OIL 6-30-80	12 1/2"	8 5/8"	20# 9.5#	126' 2698'	75 SX 125 SX	SURFACE 1979'	(C)	2568.5-2588
24	O'BRIEN F #6	H	2750 (2730)	OIL 7-23-80	12 1/2"	8 5/8"	20# 9.5#	121' 2746'	75 SX 125 SX	SURFACE 1398'	(C)	2539-2573'

TLSTPROD.
8-6-87

TWIN LAKES (SAN ANDRES) WATERFLOOD UNIT
TABLE OF OFFSET WELLS
C-108 VI

TLSAU #	LEASE/WELL NO.	UNIT LETTER	TD (PRTD)	TYPE & DATE DRILLED	HOLE SIZE	CASING SIZE	WT	CASING DEPTH	CMT SX	TOC ON CSG	PROD PERFS	REMARKS
SECTION 36 T85 R28E												
16	STATE CH COMM. #3	D	2593 (2591)	OIL 2-22-78	7 7/8"	8 5/8" 4 1/2"	24# 9.5#	42' 2593'	20 SX	SURFACE 1241' (C)	2540-2583'	
26	CITGO STATE #1	F	2614 (2611)	OIL 10-23-67	6 3/4"	8 5/8" 4 1/2"	20# 9.5#	320' 2614'	125 SX	SURFACE 1658' (C)	2564-2608'	
36	CITGO STATE #2	J	2645 (2643)	OIL 5-7-75	7 7/8"	8 5/8" 4 1/2"	24# 11.6#	93' 2645'	50 SX	SURFACE 1302' (C)	2586-2638'	
47	CITGO STATE #3	P	2730 (2707)	OIL 9-1-67	7 7/8"	8 5/8" 4 1/2"	28# 9.5#	955' 1600-2727'	200 SX	SURFACE 1568' (C)	2623-2660'	RE-ENTRY
37	CITGO STATE #6	J	2751 (2744)	OIL 9-4-81	12 1/4" 7 7/8"	8 5/8" 4 1/2"	20# 9.5#	210' 2751'	100 SX	SURFACE 1399' (C)	2603-2687'	
28	CITGO STATE #7	G	2738	OIL 6-21-82	9 7/8" 7 7/8"	8 5/8" 4 1/2"	24# 10.5#	130' 2738'	75 SX	SURFACE 1386' (C)	2611-2647.5'	
45	CITGO A STATE #2	N	7818 (2800)	OIL 3-23-67	17 1/2" 12 1/4" 7 7/8"	13 3/8" 9 5/8" 5 1/2"	48# 36# 15.5#	665' 3415' 1001'	800 SX 2455 SX 100 SX	SURFACE 770' (TS) 645' (C)	2580-2618'	OPEN HOLE FROM 3415' TO TD BP SET IN 9 5/8" @ 2800'
18	CITGO A STATE #6	B	2700 (2688)	OIL 1-10-79	12 1/2" 7 7/8"	8 5/8" 4 1/2"	28# 9.5#	128' 2700'	75 SX	SURFACE 1365' (C)	2589-2632'	
29	CITGO A STATE #8	H	2730 (2729)	OIL 6-19-79	12 1/2" 7 7/8"	8 5/8" 4 1/2"	28# 9.5#	80' 2730'	75 SX	SURFACE 1427' (C)	2623-2664'	

TLSTPROD.
8-6-87

TWIN LAKES (SAN ANDRES) WATERFLOOD UNIT
TABLE OF OFFSET WELLS
C-108 VI

TLSAU #	LEASE/WELL NO.	UNIT LETTER	TD (PRTD)	TYPE & DATE DRILLED	HOLE SIZE	CASING SIZE	WT	CASING DEPTH	CMT SX	TOC ON CSG	PROD PERFS	REMARKS
SECTION 31 T8S R29E												
20	O'BRIEN I #1	D	2770 (2745)	OIL 6-30-79	12 1/2" 7 7/8"	8 5/8" 4 1/2"	28# 9.5#	117' 2770'	75 SX 225 SX	SURFACE 1467' (C)	2645.5-2683.5'	
39	O'BRIEN I #3	L	2870 (2855)	OIL 3-24-80	12 1/2" 7 7/8"	8 5/8" 4 1/2"	20# 9.5#	120' 2870'	75 SX 125 SX	SURFACE 2075' (C)	2656-2702.5'	
31	O'BRIEN I #5	F	2918 (2880)	OIL 7-3-80	12 1/2" 7 7/8"	8 5/8" 4 1/2"	20# 9.5#	122' 2918'	75 SX 125 SX	SURFACE 2194' (C)	2684-2725'	
49	O'BRIEN I #8	N	2898 (2885)	OIL 10-13-80	12 1/2" 7 7/8"	8 5/8" 4 1/2"	20# 9.5#	80' 2898'	75 SX 175 SX	SURFACE 1810' (C)	2714-2731'	
41	O'BRIEN J #2	J	2930 (2910)	OIL 10-9-80	12 1/2" 7 7/8"	8 5/8" 4 1/2"	20# 9.5#	80' 2930'	75 SX 175 SX	SURFACE 1844' (C)	2717.5-2795'	
51	O'BRIEN J #6	P	2950 (2935)	OIL 12-8-80	12 1/2" 7 7/8"	8 5/8" 4 1/2"	20# 9.5#	126' 2945'	75 SX 175 SX	SURFACE 1864' (C)	2783-2811.5'	
33	O'BRIEN J #7	H	2907 (2892)	OIL 12-11-80	12 1/2" 7 7/8"	8 5/8" 4 1/2"	20# 9.5#	128' 2900'	75 SX 175 SX	SURFACE 1821' (C)	2747.5-2778'	
22	O'BRIEN J #8	B	2961 (2950)	OIL 3-23-80	12 1/2" 7 7/8"	8 5/8" 4 1/2"	20# 9.5#	135' 2960'	75 SX 200 SX	SURFACE 1609' (C)	2708.5-2731.5'	
SECTION 32 T8S R29E												
NOT IN UNIT	O'BRIEN N #4	N	2958 (2904)	OIL 6-9-81	12 1/4" 7 7/8"	8 5/8" 4 1/2"	20# 9.5#	126' 2958'	75 SX 200 SX	SURFACE 1606' (C)	2834-2875'	TEMP ABANDONED PREP TO P & A
SECTION 2 T8S R28E												
NOT IN UNIT	O'BRIEN B #1	B	2615 (2612)	OIL 9-26-67	12 1/4" 7 7/8"	8 5/8" 4 1/2"	20# 9.5#	327' 2615'	150 SX 150 SX	SURFACE 1746' (C)	2584-2598'	PLUGGED & ABANDONED ON 5-15-71
53	O'BRIEN B #2	A	2679 (2584)	OIL 2-19-68	11 1/2" 6 3/4"	8 5/8" 4 1/2"	24# 9.5#	431' 2675'	185 SX 800 SX	SURFACE 1355' (C)	2542-2566'	
NOT IN UNIT	O'BRIEN B #3	I	7350 (7138)	DH 9-29-69	17 1/2" 12 1/4"	11 3/4" 8 5/8"	42# 24#	380' 2758'	350 SX 750 SX	SURFACE 359' (C)	2580-2610' 7114-7120'	NEVER PROD FROM SAN ANDRES - TA DEVONIAN GAS WELL.

TLSTPROD.
8-6-87

TWIN LAKES (SAN ANDRES) WATERFLOOD UNIT
TABLE OF OFFSET WELLS
C-108 VI

TLSAU #	LEASE/WELL NO.	UNIT LETTER (PRTD)	TD DATE DRILLED	TYPE & SIZE	HOLE SIZE	CASING SIZE	WT	CASING DEPTH	CMT SX	TOC ON CSG	PROD PERFS	REMARKS
SECTION 1 T9S R28E												
NOT IN UNIT	O'BRIEN C #1	M	7245 (7223)	DH 5-28-63	10 5/8" 7 7/8"	11 3/4" 8 5/8" 5 1/2"	42# 24# 13.5# 14#	685' 3450' 7245'	310 SX 2000 SX 1025 SX	SURFACE 60' 3805' (TS)	7180-7205'	DEVONIAN PRODUCER NEVER PROD FROM SAN ANDRES
NOT IN UNIT	O'BRIEN C #4	L	7235 (6695)	OIL 10-28-74	11" 7 7/8"	8 5/8" 5 1/2"	28# 14# 15.5#	1980' 7235'	870 SX 700 SX	SURFACE 3198'	6694-6700'	T.A. BOUGH C WELL SAN ANDRES PERFS SQUEEZED OFF
PeA	O'BRIEN C #4 (1200')	C	1200	OIL 2-15-74	12 1/4" 7 7/8"	8 5/8" O.H.	24#	40'	CIRC	SURFACE	NONE	PLUGGED & ABANDONED ON 1-31-74
56	O'BRIEN C #5	B	2657 (2654)	OIL 9-16-67	12 1/4" 7 7/8"	8 5/8" 4 1/2"	20# 9.5#	467' 2657'	300 SX 150 SX	SURFACE 1788' (C)	2622-2646'	
65	O'BRIEN C #7	F	2630 (2629)	OIL 4-20-74	12 1/4" 7 7/8"	8 5/8" 4 1/2" 5 1/2"	20# 9.5# 15.5#	40' 2630'	CIRC 200 SX	SURFACE 1471' (C)	2504.5-2604'	
75	O'BRIEN E #2	J	2638	OIL 6-11-78	11" 7 7/8"	8 5/8" 4 1/2"	24# 9.5#	40' 2583'	5 YDS 250 SX	SURFACE 1189' (C)	NONE	OPEN HOLE FROM 2583' TO TD
85	O'BRIEN E #3	O	2802 (2781)	OIL 4-6-80	12 1/2" 7 7/8"	8 5/8" 4 1/2"	20# 9.5#	112' 2802'	75 SX 125 SX	SURFACE 2005' (C)	2591.5-2624.5'	
67	O'BRIEN E #6	D	2740 (2739)	OIL 10-1-81	12 1/4" 7 7/8"	8 5/8" 4 1/2"	20# 9.5#	130' 2739'	85 SX 200 SX	SURFACE 1388' (C)	2625-2648.5'	
84	O'BRIEN E #8	N	2731'	OIL 4-8-82	12 1/4" 7 7/8"	8 5/8" 4 1/2"	24# 9.5#	130' 2731'	105 SX 200 SX	SURFACE 1379' (C)	2579.5-2607.5'	
64	O'BRIEN E #9	E	2680 (2638)	OIL 1-20-84	12 1/4" 7 7/8"	8 5/8" 4 1/2"	24# 11.6#	170' 2617'	120 SX 200 SX	SURFACE 1328' (C)	2551.5-2568.5	

TLSTPROD.
8-6-87

TWIN LAKES (SAN ANDRES) WATERFLOOD UNIT
TABLE OF OFFSET WELLS
C-108 VI

TLSTAU #	LEASE/WELL NO.	UNIT LETTER	TD (PBD)	TYPE & DATE DRILLED	HOLE SIZE	CASING SIZE	WT	CASING DEPTH	CMT SX	TOC ON CSG	PROD PERFS	REMARKS
SECTION 6 T9S R29E												
60	O'BRIEN L #2	B	2950 (2935)	OIL 12-18-80	12 1/2" 7 7/8"	8 5/8" 4 1/2"	20# 9.5#	135' 2950'	75 SX 175 SX	SURFACE 1863'	(C)	2734-2824'
72	O'BRIEN L #5	H	2925 (2921)	OIL 6-8-81	12 1/2" 7 7/8"	8 5/8" 4 1/2"	20# 9.5#	128' 2921'	75 SX 200 SX	SURFACE 1573'	(C)	2729.5-2756'
69	O'BRIEN L #8	F	2850 (2844)	OIL 7-1-81	12 1/4" 7 7/8"	8 5/8" 4 1/2"	20# 9.5#	130' 2844'	75 SX 200 SX	SURFACE 1498'	(C)	2689-2779'
87	O'BRIEN L #11	N	2774 (2762)	OIL 8-22-81	12 1/4" 7 7/8"	8 5/8" 4 1/2"	20# 9.5#	134' 2774'	75 SX 200 SX	SURFACE 1422'	(C)	2655.5-2679'
58	O'BRIEN L #12	D	2823	OIL 9-16-81	12 1/4" 7 7/8"	8 5/8" 4 1/2"	20# 9.5#	133' 2823'	75 SX 200 SX	SURFACE 1471'	(C)	2665-2743'
77	O'BRIEN L #13	L	2826	OIL 10-23-81	12 1/4" 7 7/8"	8 5/8" 4 1/2"	20# 9.5#	130' 2826	75 SX 200 SX	SURFACE 2700'	(C)	2648-2684'
	O'BRIEN L #14	M	2800	OIL 5-15-82	9 7/8" 7 7/8"	8 5/8" 4 1/2"	24# 10.5	134' 2800'	75 SX 200 SX	SURFACE 1448'	(C)	2637.5-2669'
71	O'BRIEN L #15	B	2900	OIL 1-24-85	12 1/4" 7 7/8"	8 5/8" 5 1/2"	24# 15.5#	162' 2900'	100 SX 810 SX	SURFACE SURFACE		2725-2814'
80	O'BRIEN L #16	G	2925	OIL 1-2-85	12 1/4" 7 7/8"	8 5/8" 5 1/2"	24# 15.5#	154' 2925'	80 SX 700 SX	SURFACE SURFACE		2715-2807'
79	O'BRIEN EF #1	J	2878 (2854)	OIL 6-23-81	12 1/2" 7 7/8"	8 5/8" 4 1/2"	20.5# 9.5#	134' 2878'	75 SX 200 SX	SURFACE 1526'	(C)	2696-2775'
89	O'BRIEN EF #5	P	2840 (2826)	OIL 7-30-81	12 1/4" 7 7/8"	8 5/8" 4 1/2"	20# 9.5#	124' 2826'	75 SX 200 SX	SURFACE 1488'	(C)	2701-2778'
P6A	NABOB #1A	M	2794	DH 4-25-68	13"	10 3/4"	32#	350'	200 SX	SURFACE		NONE PLUGGED & ABANDONED ON 4-25-68
SECTION 5 T9S R29E												
62	O'BRIEN L #6	D	2954 (2930)	OIL 6-2-81	12 1/2" 7 7/8"	8 5/8" 4 1/2"	20# 9.5#	130' 2930'	75 SX 200 SX	SURFACE 1602'	(C)	2780.5-2823'
82	O'BRIEN EF #3	L	2910 (2811)	OIL 7-21-81	12 1/4" 7 7/8"	8 5/8" 4 1/2"	20# 9.5#	125' 2898'	125 SX 200 SX	SURFACE 2000'	(C)	2757.5-2799.5

TLSTPROD.
8-6-87

TWIN LAKES (SAN ANDRES) WATERFLOOD UNIT
TABLE OF OFFSET WELLS
C-108 VI

TLSAU #	LEASE/WELL NO.	UNIT LETTER (PRTD)	TD (PRTD)	TYPE & DATE DRILLED	HOLE SIZE	CASING SIZE	WT	CASING DEPTH	CMT SX	TOC ON CSG	PROD PERFS	REMARKS
SECTION 12 T9S R28E												
NOT IN UNIT	O'BRIEN D #1 (SWD)	D	7615 (2650)	DH 1-28-76	12 17' 1 1/4"	13 3/8" 8 5/8"	48# 24#	30' 1969'	50 SX 750 SX	SURFACE SURFACE	NONE	PLUGGED & ABANDONED ON 3-20-86
92	O'BRIEN D #3	A	2740 (2725)	OIL 1-12-82	12 12' 7 7/8"	8 5/8" 4 1/2"	24# 9.5#	123' 2740'	75 SX 200 SX	SURFACE 1389' (C)	2619.5-2644'	
99	O'BRIEN D #4	H	2710 (2690)	OIL 1-1-82	12 12' 7 7/8"	8 5/8" 4 1/2"	20# 9.5#	127' 2710'	75 SX 200 SX	SURFACE 1292' (C)	2577-2621'	
98	O'BRIEN D #5	G	2732	OIL 9-8-82	9 7/8" 7 7/8"	8 5/8" 4 1/2"	20# 9.5#	130' 2741'	75 SX 200 SX	SURFACE 1390' (C)	2589-2610.5'	
110	O'BRIEN DB #1	I	2750	OIL 6-13-82	9 7/8" 7 7/8"	8 5/8" 4 1/2"	23# 10.5#	118' 2750'	75 SX 200 SX	SURFACE 1398' (C)	2630.5-2666.5	
115	O'BRIEN DB #2	D	2800 (2778)	OIL 7-3-82	9 7/8" 7 7/8"	8 5/8" 4 1/2"	24# 10.5#	130' 2800'	75 SX 200 SX	SURFACE 1448' (C)	2685-2711'	
SECTION 7 T9S R29E												
102	MOONSHINE 7 #1	F	2785 (2778)	OIL 3-26-81	10 10 3/4" 7 7/8"	8 5/8" 4 1/2"	24# 10.5	320' 2785'	200 SX 800 SX	SURFACE 1769' (C)	2653-2672'	
94	MOONSHINE 7 #5	B	2840 (2810)	OIL 10-26-81	12 12 1/4" 7 7/8"	8 5/8" 4 1/2"	24# 10.5	328' 2840'	150 SX 500 SX	SURFACE 850'	2699-2717'	
106	MOONSHINE 7 #7	L	2700	OIL 3-8-82	12 12 1/4" 7 7/8"	8 5/8" 4 1/2"	20# 11#	166' 2700'	150 SX 900 SX	SURFACE 1557' (C)	2599-2639.5'	
112	MOONSHINE 7 #8	N	2800	OIL 3-5-82	12 12 1/4" 7 7/8"	8 5/8" 4 1/2"	20# 11#	166' 2800'	125 SX 900 SX	SURFACE 1657' (C)	2675-2704'	
108	MOONSHINE 7 #9	J	2775	OIL 3-17-82	12 12 1/4" 7 7/8"	8 5/8" 4 1/2"	20# 11#	167' 2775'	125 SX 900 SX	SURFACE 1632' (C)	2683.5-2713'	
101	MOONSHINE 7 #10	D	2780	OIL 4-1-82	12 12 1/4" 7 7/8"	8 5/8" 4 1/2"	24# 10.5	182' 2780'	150 SX 900 SX	SURFACE 1637' (C)	2645.5-2657'	
114	MOONSHINE 7 #14	P	2880 (2782)	OIL 9-2-82	12 12 1/4" 7 7/8"	8 5/8" 4 1/2"	24# 10.5	180' 2867'	125 SX 1000 SX	SURFACE 1597' (C)	2739-2771'	

TLSIPROD.
8-6-87

TWIN LAKES (SAN ANDRES) WATERFLOOD UNIT
TABLE OF OFFSET WELLS
C-108 VI

TLSAU #	LEASE/WELL NO.	UNIT LETTER (PBD)	TD (PBD)	TYPE & DATE DRILLED	HOLE SIZE	CASING SIZE	WT	CASING DEPTH	CMT SX	TOC ON CSG	PROD PERFS	REMARKS
SECTION 8 T9S R29E												
96	O'BRIEN GC #1	D	2860 (2856)	OIL 9-14-81	12 1/4" 7 7/8"	8 5/8" 4 1/2"	20# 9.5#	130' 2860'	75 SX 200 SX	SURFACE 1508' (C)	2730-2775'	
SECTION 13 T9S R28E												
NOT IN UNIT	MOBIL WOOLERY #1	A	2800 (2775)	DH 12-7-82	12 1/4" 7 7/8"	8 5/8" 5 1/2"	20# 14#	310' 2800'	210 SX 900 SX	SURFACE 1125' (TS)	NONE	PLUGGED & ABANDONED ON 8-6-83
NOT IN UNIT	MOBIL WOOLERY #4	A	2746 (2738)	DH 6-26-83	12 1/4" 7 7/8"	8 5/8" 5 1/2"	24# 14#	300' 2746'	250 SX 750 SX	SURFACE SURFACE	NONE	PLUGGED & ABANDONED ON 8-5-83
SECTION 18 T9S R29E												
117	MOONSHINE 18 #1	C	2780 (2770)	OIL 5-26-82	12 1/4" 7 7/8"	8 5/8" 4 1/2"	24# 10.5	168' 2870'	150 SX 900 SX	SURFACE 1637' (C)	2731.5-2747'	
120	MOONSHINE 18 #3	G	2880 (2841)	OIL 10-3-82	12 1/4" 7 7/8"	8 5/8" 4 1/2"	24# 10.5	145' 2861'	125 SX 800 SX	SURFACE 1075' (C)	2752-2773'	

709 W INDIANA
MIDLAND, TEXAS 79701
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By Waylan C. Martin, M.A.

709 W INDIANA
MIDLAND, TEXAS 79701
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May 28, 1985

Mr. Welton D. Moore
Pelto Oil Company
P.O. Box 1417
Roswell, NM 88201

Subject: Recommendations relative to laboratory #585360 and #B58565 (5-28-85),
Twin Lakes Pilot Waterflood.

Dear Mr. Moore:

The objective of this study is primarily to evaluate compatibilities of the waters involved in the above listed analyses and also study their current status in regard to their potential use for injection purposes. It is our understanding that the combining of these waters for injection purposes will be somewhat of a temporary project until more source water is available. The conditions we have encountered which we classify as pertinent to the above objective are as follows:

1. The primary concern we have encountered in this study regarding compatibility is focused on the commingled produced water from the White Lake Ranch salt water disposal. This water has a significant supersaturation with calcium sulfate, and it alone would be expected to deposit at least some calcium sulfate scale in an injection system. This significant scaling potential would carry over when it is combined with any of the other waters except for a marginal condition when combined with the Santa Rosa water. Also, a mixture of the disposal water and the Dakota water would be expected to result in a severe precipitation and scaling from calcium sulfate. Therefore, in regard to the White Lake Ranch disposal water, we are confident that it would be prohibitive to mix with the Dakota water and would perpetuate an already significant potential for calcium sulfate scaling if it is mixed with any of the waters except Santa Rosa. It should be clarified that we could not be confident that this disposal water consistently has a calcium sulfate scaling tendency as it is a mixture of waters, and the scaling tendency is probably the result of incompatibility. Therefore, this problem may not be continuously in existence.
2. It should be clarified that the Santa Rosa water well #2 was not being pumped and was only operated for approximately one-half hour to acquire this sample. We feel confident that the iron and higher filtrable solids probably were the result of this well not being

cleaned up as yet. This is significant in that the iron content in this water would precipitate as iron sulfide when mixed with either of the San Andres waters or the White Lake Ranch disposal water. However, controlling the iron content in this water well would eliminate this potential incompatibility.

3. It is noted there is an excessive amount of oil and accompanying filtrable solids in the disposal water at #1 transfer pump. The microscopic study of the filtrable solids failed to reveal any single implication of excessive interface material or bottom sediment but tended to imply that there was some type of upset back in separation facilities that has caused this condition. We are therefore assuming that this was likely a temporary condition, but it would need to be avoided if this water is to be used for injection purposes.
4. We found the two San Andres waters to be marginal in regard to potential calcium carbonate scaling but do not feel that the evidence herein is indicating any immediate concern. We found no potential of this condition in any of the other waters.
5. In studying these waters for potential calcium sulfate scaling, we find the San Andres to be marginal; no scaling potential in the Santa Rosa; very slight supersaturation in the Dakota water; and as discussed in the above item #1, a significant supersaturation in the White Lake Ranch disposal water. We do not feel that the slight supersaturation of the Dakota water is sufficient to be of any concern in its handling.
6. With the exception of the above discussed concern with the Santa Rosa water well and the San Andres water at #1 transfer pump, we do not see any concern regarding injection quality. As discussed above, we feel that these two conditions were both temporary and would not be expected to be of any concern in the actual injection system.
7. We interpret the results of the bacterial analyses to be decidedly favorable in that none of the waters are showing any significant bacterial activity. There was a mild count in water well #2; but as stated above, this well has not been as yet completely cleaned up; therefore, we would not expect any bacterial problem in this water if it is kept air-free.

In summary of the above, we find the primary concern to be in the use of the White Lake Ranch disposal water in an effort to mix all the waters involved herein. This water has a potential calcium sulfate scaling tendency as is which would carry over into a mixture with the San Andres water and be severe in combination with the Dakota

Martin Water Laboratories, Inc.

May 28, 1985

water. Therefore, this White Lake Ranch disposal water should be left out of the mixture. However, it might be possible to leave the Dakota water out of the mixture and include the White Lake disposal water, but in this case it may be necessary to use scale inhibition treatment to prevent calcium sulfate scaling. It is realized that the volume of water involved in these different sources would have a significant influence on how these waters are combined and which ones might be best left out of the system. Consequently, we would like for you to feel free to contact us for possible alternatives that may accomodate the various volumes available. Also, it should be clarified that it will be vital to maintain all these waters air-free. Therefore, we would strongly recommend that gas seals be used on all vessels handling any or all of these waters.

Yours very truly,



Waylan C. Martin

WCM/mo

Martin Water Laboratories, Inc.

P.O. BOX 1468
MONAHAN, TEXAS 79756
43-3234 or 563-1040

Martin Water Laboratories, Inc.
WATER CONSULTANTS SINCE 1953
BACTERIAL AND CHEMICAL ANALYSES

709 W. INDIANA
MIDLAND, TEXAS 79701
PHONE 683-4521

To: Mr. Welton D. Moore
P.O. Box 1417
Roswell, New Mexico

Laboratory No. B58565
Sample received 5-21-85
Results reported 5-28-85

Company: Pelto Oil Company
County: Chaves, NM
Field: Twin Lakes
Lease: Twin Lakes Pilot Waterflood

Source of sample and date taken:

- #1. Raw water - taken from water supply well #1. 5-21-85
- #2. Raw water - taken from water supply well #2. 5-21-85
- #3. Produced water - taken from salt water disposal #1 transfer pump. 5-21-85

	#1	#2	#3
Iron bacteria	Not detected	Not detected	Not detected
Sulfur bacteria	380	130	Not detected
Sulfate-reducing bacteria ...	Not detected	Not detected	Not detected
Other aerobes	170	8,500	Not detected
Other anaerobes	250	280	Not detected
Fungi (& aciduric bacteria) ..	Not detected	Not detected	Not detected
Algae	Not detected	Not detected	Not detected
Protozoa	Not detected	Not detected	Not detected
Total count	800	8,910	NONE
pH.....	7.3	7.7	6.9
Temperature	66	68	76

Note: All numerical results are reported as the number of cells per milliliter of the sample as determined by plate counts; except iron, algae, and protozoa, which are determined microscopically.

Source of sample and date taken:

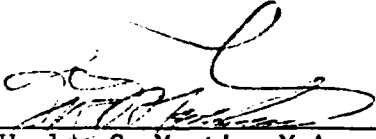
#4. Produced water - taken from salt water disposal #2 transfer pump. 5-21-85

#5. Commingled Produced water - taken from raw water tank @ White Lake Ranch SWD. 5-21-85

	#4	#5
Iron bacteria	Not detected	Not detected
Sulfur bacteria	Not detected	Not detected
Sulfate-reducing bacteria ...	Not detected	Not detected
Other aerobes	Not detected	Not detected
Other anaerobes	Not detected	760
Fungi (& aciduric bacteria) ..	Not detected	Not detected
Algae	Not detected	Not detected
Protozoa	Not detected	Not detected
Total count	NONE	760
pH.....	6.9	6.9
Temperature	88	78

Note: All numerical results are reported as the number of cells per milliliter of the sample as determined by plate counts; except iron, algae, and protozoa, which are determined microscopically.

Remarks: Letter of recommendation attached.


Waylan C. Martin, M.A.

Martin Water Laboratories, Inc.

RECEIVED MAY 14 1984

P. O. BOX 1468
MONAHANS, TEXAS 79756
PH 943-3234 OR 363-1040

Martin Water Laboratories, Inc.

709 W. INDIANA
MIDLAND, TEXAS 79701
PHONE 683-4521

RESULT OF WATER ANALYSES

TO: Mr. John Walker LABORATORY NO. 58460
P.O. Box 2203, Roswell, NM 88201 SAMPLE RECEIVED 5-2-84
RESULTS REPORTED 5-9-84

COMPANY Stevens Operating Corporation LEASE _____

FIELD OR POOL _____

SECTION _____ BLOCK _____ SURVEY _____ COUNTY _____ STATE _____

SOURCE OF SAMPLE AND DATE TAKEN:

NO. 1 Santa Rosa water - taken from well #5.

NO. 2 Santa Rosa water - taken from well #5 (flow test @ 15 gpm).

NO. 3 Santa Rosa water - bailed from well #7.

NO. 4 _____

REMARKS: 1 & 2 500' - 630' (water sand)

CHEMICAL AND PHYSICAL PROPERTIES				
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.0255	1.0253	1.0246	
pH When Sampled				
pH When Received	7.03	7.38	7.26	
Bicarbonate as HCO ₃	137	129	144	
Supersaturation as CaCO ₃				
Undersaturation as CaCO ₃				
Total Hardness as CaCO ₃	3,550	3,600	3,250	
Calcium as Ca	980	920	830	
Magnesium as Mg	267	316	286	
Sodium and/or Potassium	10,043	9,951	9,487	
Sulfate as SO ₄	6,003	6,057	5,895	
Chloride as Cl	13,494	13,352	12,499	
Iron as Fe	46.8	1.4	15.6	
Barium as Ba				
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	30,923	30,725	29,141	
Temperature °F.				
Carbon Dioxide, Calculated				
Dissolved Oxygen, Winkler				
Hydrogen Sulfide	0.0	0.0	0.0	
Resistivity, ohms/m at 77° F.	0.245	0.245	0.260	
Suspended Oil				
Filtrable Solids as mg/l				
Volume Filtered, ml				

EXHIBIT
43
192079211

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks The objective of these analyses is to establish compatibility between Santa Rosa water herein and San Andres water represented on analysis #58456. In comparing these waters, we see no evidence of incompatibility in injecting Santa Rosa into the San Andres or mixing with San Andres prior to injection except for the following implications. We note rather high iron contents herein which would precipitate as iron sulfide when mixed with the San Andres, but we are confident this is the result of water well corrosion. We feel this could be controlled adequately to provide good compatibility with the San Andres. It would be of no concern in injecting into the San Andres, but corrosion would have to be controlled to mix on the surface. We feel this water could be maintained air-free and therefore could be used for injection or mixing with the San Andres.

By _____

P.O. BOX 1468
MONAHANS, TEXAS 79756
PH. 943-3234 or 563-1040

Martin Water Laboratories, Inc.
WATER CONSULTANTS SINCE 1953
BACTERIAL AND CHEMICAL ANALYSES

709 W. INDIANA
MIDLAND, TEXAS 79701
PHONE 683-4521

August 5, 1987



PROJ. DEPT.	
ACTION: REFO. CO.	
JES	3
WCE	2
DBB	1
BIF	
KID	
KW	4 T.L.'s file

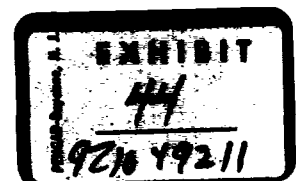
Mr. Robert L. Spottswood
Manager of Engineering
Pelto Oil Company
One Allen Center, Suite 1800
500 Dallas Street
Houston, TX 77002

Dear Mr. Spottswood:

The objective of this letter is to clarify and expand on statements provided on laboratory #786154 (7-15-86) regarding compatibility between the Ogallala and San Andres waters on the Twin Lakes Pilot Waterflood project. In our interpretations of the compatibility on this report, we indicated that the two waters would not be compatible for mixing on the surface and re-injection due to oxygen in the Ogallala water and hydrogen sulfide in the San Andres water.

In the above mentioned report, we failed to address the significance of the incompatibility in the event Ogallala water alone is injected into the San Andres interval. Under these circumstances and which we understand is the case at this time, it is our carefully considered opinion that the incompatibility would clearly be insufficient to prevent the injection of Ogallala into the San Andres interval.

The above may appear to be contradictory and therefore would clearly warrant an explanation. Under the conditions of mixing the two waters on the surface and then re-injecting, elemental sulfur precipitation would occur and all of this precipitated sulfur would accumulate in and around the wellbore of the injection well. This pronounced concentrating of a relatively minor amount of elemental sulfur would be expected to cause serious obstruction of the movement of the water into the formation. Also, another vital concern would be the serious aggravation of corrosiveness of the water on equipment handling the injection. Of course, the aggravation of corrosion would be of no concern in the formation if Ogallala is injected into the San Andres. Also, the elemental sulfur that would precipitate in situ in the San Andres formation would be so widely distributed through a vast of the matrix of the San Andres that its presence would cause an infinitesimally small amount of obstruction of flow if, in fact, it caused any obstruction of the mobility of the water in the formation. In our numerous experiences with water floods where oxygen-bearing water is injected into a sulfide-bearing formation, we have never



Mr. Robert L. Spottswood

- 2 -

August 5, 1987

been aware of any conclusive evidence that any detectable plugging occurs. It should be added that our experiences in this regard have many times involved two different injection waters on the same project with no evidence that the water containing oxygen causes any difference in injection rate as compared to the water that does not contain oxygen.

Yours very truly,

A handwritten signature in dark ink, appearing to read 'Waylan C. Martin', with a large, sweeping flourish at the end.

Waylan C. Martin

WCM/mo

Martin Water Laboratories, Inc.

709 W INDIANA
MIDLAND TEXAS 79701
PHONE 683-4521

By _____

709 W INDIANA
MIDLAND TEXAS 79701
PHONE 683-4521

cc: Mr. Dean Hinton, West Texas Consultants
1101 N. Whitaker, Odessa 79763

Waylan C. Martin, M. A.



PELTO OIL COMPANY

NOTIFICATION OF FILING
APPLICATION FOR WATERFLOOD
TWIN LAKES (SAN ANDRES) FIELD
CHAVES COUNTY, NEW MEXICO

TO OWNERS OF INTERESTS WITHIN ONE-HALF MILE OF PROPOSED INJECTORS

	<u>Number</u>
Mailed (Certified) 8/19/87	24
Mailed Receipts Received	23
Outstanding	1 (Could not locate after numerous telephone calls)





August 19, 1987

Harlow Corporation
600 Amarillo Petroleum Building
Amarillo, TX 79101

RE: Notification of Filing
Application for Waterflood
Twin Lakes San Andres Field
Chaves County, New Mexico

Gentlemen:

You are the owner of an interest in properties which are located within a one-half mile radius of wells which are proposed to be utilized as injection wells under the captioned waterflood project.

Pelto has made application to the New Mexico Oil Conservation Division for approval of the waterflood project together with application for approval of a fieldwide unit. In accordance with New Mexico statutes, Pelto is hereby notifying you of this application and is furnishing you herewith complete copies of the C-108 forms, with attached exhibits, which are being filed in connection with Pelto's application. This matter is scheduled to be heard by the Oil Conservation Division in Santa Fe, New Mexico, on September 9, 1987.

Very truly yours,

PELTO OIL COMPANY

R. L. Spottswood
Manager of Engineering

RLS:jm:J56/29



August 19, 1987

Mobil Producing Texas & New Mexico, Inc.
Nine Greenway Plaza, Suite 2700
Houston, TX 77046

RE: Notification of Filing
Application for Waterflood
Twin Lakes San Andres Field
Chaves County, New Mexico

Gentlemen:

You are the owner of an interest in properties which are located within a one-half mile radius of wells which are proposed to be utilized as injection wells under the captioned waterflood project.

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Very truly yours,

PELTO OIL COMPANY

A handwritten signature in cursive script, reading 'Robert L. Spottswood'.

R. L. Spottswood
Manager of Engineering

RLS:jm:J56/29



August 19, 1987

Sandco Oil & Gas Inc.
P. O. Box 881
Mesilla Park, NM 88047

RE: Notification of Filing
Application for Waterflood
Twin Lakes San Andres Field
Chaves County, New Mexico

Gentlemen:

You are the owner of an interest in properties which are located within a one-half mile radius of wells which are proposed to be utilized as injection wells under the captioned waterflood project.

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Very truly yours,

PELTO OIL COMPANY

A handwritten signature in cursive script, reading 'Robert L. Spottswood'.

R. L. Spottswood
Manager of Engineering

RLS:jm:J56/29



August 19, 1987

Stevens Oil Company
P. O. Box 2408
Roswell, NM 88201

RE: Notification of Filing
Application for Waterflood
Twin Lakes San Andres Field
Chaves County, New Mexico

Gentlemen:

You are the owner of an interest in properties which are located within a one-half mile radius of wells which are proposed to be utilized as injection wells under the captioned waterflood project.

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Very truly yours,

PELTO OIL COMPANY

A handwritten signature in cursive script, reading 'Robert L. Spottswood'.

R. L. Spottswood
Manager of Engineering

RLS:jm:J56/29



August 19, 1987

Sun Exploration & Production Company
P. O. Box 1861
#24 Smith Road
Clay Desta Plaza
Midland, TX 79702
Tim Lodle

RE: Notification of Filing
Application for Waterflood
Twin Lakes San Andres Field
Chaves County, New Mexico

Gentlemen:

You are the owner of an interest in properties which are located within a one-half mile radius of wells which are proposed to be utilized as injection wells under the captioned waterflood project.

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Very truly yours,

PELTO OIL COMPANY

A handwritten signature in cursive script, reading 'Robert L. Spottswood'.

R. L. Spottswood
Manager of Engineering

RLS:jm:J56/29



August 19, 1987

Nabob Production Company
P. O. Drawer 9598
Amarillo, TX 79105

RE: Notification of Filing
Application for Waterflood
Twin Lakes San Andres Field
Chaves County, New Mexico

Gentlemen:

You are the owner of an interest in properties which are located within a one-half mile radius of wells which are proposed to be utilized as injection wells under the captioned waterflood project.

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Very truly yours,

PELTO OIL COMPANY

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R. L. Spottswood
Manager of Engineering

RLS:jm:J56/29



August 19, 1987

NRM Operating Company, L.P.
2121 San Jacinto Street
Suite 2600
Dallas, TX 75021

RE: Notification of Filing
Application for Waterflood
Twin Lakes San Andres Field
Chaves County, New Mexico

Gentlemen:

You are the owner of an interest in properties which are located within a one-half mile radius of wells which are proposed to be utilized as injection wells under the captioned waterflood project.

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Very truly yours,

PELTO OIL COMPANY

A handwritten signature in cursive script, reading 'Robert L. Spottswood'.

R. L. Spottswood
Manager of Engineering

RLS:jm:J56/29



August 19, 1987

Logo Oil Company
P. O. Box 866
Ruidoso Downs, NM 88346

RE: Notification of Filing
Application for Waterflood
Twin Lakes San Andres Field
Chaves County, New Mexico

Gentlemen:

You are the owner of an interest in properties which are located within a one-half mile radius of wells which are proposed to be utilized as injection wells under the captioned waterflood project.

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Very truly yours,

PELTO OIL COMPANY

R. L. Spottswood
Manager of Engineering

RLS:jm:J56/29



August 19, 1987

Petrus Oil Company
12201 Merit Drive
Suite 900
Dallas, TX 75251

RE: Notification of Filing
Application for Waterflood
Twin Lakes San Andres Field
Chaves County, New Mexico

Gentlemen:

You are the owner of an interest in properties which are located within a one-half mile radius of wells which are proposed to be utilized as injection wells under the captioned waterflood project.

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Very truly yours,

PELTO OIL COMPANY

A handwritten signature in cursive script, reading 'Robert L. Spottswood'.

R. L. Spottswood
Manager of Engineering

RLS:jm:J56/29



August 19, 1987

Adams & McGahey
John W. Adams
Estate of R. W. & June Adams
c/o John W. Adams
513 Texas Commerce Bank Bldg.
Amarillo, TX 79109

RE: Notification of Filing
Application for Waterflood
Twin Lakes San Andres Field
Chaves County, New Mexico

Gentlemen:

You are the owner of an interest in properties which are located within a one-half mile radius of wells which are proposed to be utilized as injection wells under the captioned waterflood project.

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Very truly yours,

PELTO OIL COMPANY

A handwritten signature in dark ink, appearing to read 'Robert L. Spottswood', written over the typed name.

R. L. Spottswood
Manager of Engineering

RLS:jm:J56/29



August 19, 1987

Brooks Hall
101 Park Avenue Building
Suite 600
Oklahoma City, OK 73125

RE: Notification of Filing
Application for Waterflood
Twin Lakes San Andres Field
Chaves County, New Mexico

Gentlemen:

You are the owner of an interest in properties which are located within a one-half mile radius of wells which are proposed to be utilized as injection wells under the captioned waterflood project.

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Very truly yours,

PELTO OIL COMPANY

A handwritten signature in cursive script, reading 'Robert L. Spottswood'.

R. L. Spottswood
Manager of Engineering

RLS:jm:J56/29



August 19, 1987

Commissioner of Public Lands
P. O. Box 1148
Santa Fe, NM 87501

RE: Notification of Filing
Application for Waterflood
Twin Lakes San Andres Field
Chaves County, New Mexico

Gentlemen:

You are the owner of an interest in properties which are located within a one-half mile radius of wells which are proposed to be utilized as injection wells under the captioned waterflood project.

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Very truly yours,

PELTO OIL COMPANY

A handwritten signature in cursive script, appearing to read 'Robert L. Spottswood'.

R. L. Spottswood
Manager of Engineering

RLS:jm:J56/29



August 19, 1987

Charles G. Kuchemann
Mildred G. Bundy & Marian C. Golick
Rocky Hill Road
Galena, IL 61036

RE: Notification of Filing
Application for Waterflood
Twin Lakes San Andres Field
Chaves County, New Mexico

Gentlemen:

You are the owner of an interest in properties which are located within a one-half mile radius of wells which are proposed to be utilized as injection wells under the captioned waterflood project.

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Very truly yours,

PELTO OIL COMPANY

A handwritten signature in cursive script, reading 'Robert L. Spottswood'.

R. L. Spottswood
Manager of Engineering

RLS:jm:J56/29



August 19, 1987

Plains Radio Broadcasting
Attn: Burk Whittenburg
Box 9354
Amarillo, TX 79105
305 West 9th Street
Amarillo, TX 79101

RE: Notification of Filing
Application for Waterflood
Twin Lakes San Andres Field
Chaves County, New Mexico

Gentlemen:

You are the owner of an interest in properties which are located within a one-half mile radius of wells which are proposed to be utilized as injection wells under the captioned waterflood project.

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Very truly yours,

PELTO OIL COMPANY

A handwritten signature in cursive script, reading 'Robert L. Spottswood'.

R. L. Spottswood
Manager of Engineering

RLS:jm:J56/29



August 19, 1987

Frates Seeligson
1604 National Bank Commerce Building
San Antonio, TX 78205

RE: Notification of Filing
Application for Waterflood
Twin Lakes San Andres Field
Chaves County, New Mexico

Gentlemen:

You are the owner of an interest in properties which are located within a one-half mile radius of wells which are proposed to be utilized as injection wells under the captioned waterflood project.

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Very truly yours,

PELTO OIL COMPANY

A handwritten signature in cursive script, reading 'Robert L. Spottswood'.

R. L. Spottswood
Manager of Engineering

RLS:jm:J56/29



August 19, 1987

Charles A. Kelly
c/o Chapman & Cutler
111 West Monroe
Chicago, IL 60603

RE: Notification of Filing
Application for Waterflood
Twin Lakes San Andres Field
Chaves County, New Mexico

Gentlemen:

You are the owner of an interest in properties which are located within a one-half mile radius of wells which are proposed to be utilized as injection wells under the captioned waterflood project.

Pelto has made application to the New Mexico Oil Conservation Division for approval of the waterflood project together with application for approval of a fieldwide unit. In accordance with New Mexico statutes, Pelto is hereby notifying you of this application and is furnishing you herewith complete copies of the C-108 forms, with attached exhibits, which are being filed in connection with Pelto's application. This matter is scheduled to be heard by the Oil Conservation Division in Santa Fe, New Mexico, on September 9, 1987.

Very truly yours,

PELTO OIL COMPANY

A handwritten signature in cursive script, appearing to read 'Robert L. Spottswood'.

R. L. Spottswood
Manager of Engineering

RLS:jm:J56/29



August 19, 1987

Marshall & Winston, Inc.
310 West Tower
10 Desta Drive
Midland, TX 79705

RE: Notification of Filing
Application for Waterflood
Twin Lakes San Andres Field
Chaves County, New Mexico

Gentlemen:

You are the owner of an interest in properties which are located within a one-half mile radius of wells which are proposed to be utilized as injection wells under the captioned waterflood project.

Pelto has made application to the New Mexico Oil Conservation Division for approval of the waterflood project together with application for approval of a fieldwide unit. In accordance with New Mexico statutes, Pelto is hereby notifying you of this application and is furnishing you herewith complete copies of the C-108 forms, with attached exhibits, which are being filed in connection with Pelto's application. This matter is scheduled to be heard by the Oil Conservation Division in Santa Fe, New Mexico, on September 9, 1987.

Very truly yours,

PELTO OIL COMPANY

A handwritten signature in cursive script, reading 'Robert L. Spottswood'.

R. L. Spottswood
Manager of Engineering

RLS:jm:J56/29



August 19, 1987

Murray C. McKinnon, Trustee
of the Murray C. McKinnon Recovable
Living Trust & the Douglas A. McKinnon Trust
1200 Smith Street, Suite 670
Houston, TX 77002

RE: Notification of Filing
Application for Waterflood
Twin Lakes San Andres Field
Chaves County, New Mexico

Gentlemen:

You are the owner of an interest in properties which are located within a one-half mile radius of wells which are proposed to be utilized as injection wells under the captioned waterflood project.

Pelto has made application to the New Mexico Oil Conservation Division for approval of the waterflood project together with application for approval of a fieldwide unit. In accordance with New Mexico statutes, Pelto is hereby notifying you of this application and is furnishing you herewith complete copies of the C-108 forms, with attached exhibits, which are being filed in connection with Pelto's application. This matter is scheduled to be heard by the Oil Conservation Division in Santa Fe, New Mexico, on September 9, 1987.

Very truly yours,

PELTO OIL COMPANY

A handwritten signature in cursive script, reading 'Robert L. Spottswood'.

R. L. Spottswood
Manager of Engineering

RLS:jm:J56/29



August 19, 1987

Moon Company
P. O. Box 9598
Amarillo, TX 79105

RE: Notification of Filing
Application for Waterflood
Twin Lakes San Andres Field
Chaves County, New Mexico

Gentlemen:

You are the owner of an interest in properties which are located within a one-half mile radius of wells which are proposed to be utilized as injection wells under the captioned waterflood project.

Pelto has made application to the New Mexico Oil Conservation Division for approval of the waterflood project together with application for approval of a fieldwide unit. In accordance with New Mexico statutes, Pelto is hereby notifying you of this application and is furnishing you herewith complete copies of the C-108 forms, with attached exhibits, which are being filed in connection with Pelto's application. This matter is scheduled to be heard by the Oil Conservation Division in Santa Fe, New Mexico, on September 9, 1987.

Very truly yours,

PELTO OIL COMPANY

A handwritten signature in cursive script, reading 'Robert L. Spottswood'.

R. L. Spottswood
Manager of Engineering

RLS:jm:J56/29



August 19, 1987

Pauline W. Parker or
Henry W. Parker, Trustees
of the Pauline W. Parker Trust
1105 Foshay Tower
Minneapolis, MN 55402

RE: Notification of Filing
Application for Waterflood
Twin Lakes San Andres Field
Chaves County, New Mexico

Gentlemen:

You are the owner of an interest in properties which are located within a one-half mile radius of wells which are proposed to be utilized as injection wells under the captioned waterflood project.

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Very truly yours,

PELTO OIL COMPANY

A handwritten signature in dark ink, appearing to read 'Robert L. Spottswood', written over the typed name.

R. L. Spottswood
Manager of Engineering

RLS:jm:J56/29



August 19, 1987

Tenneco Oil Company
7990 IH 10 West
San Antonio, TX 78230
Attn: Mike Hinze

RE: Notification of Filing
Application for Waterflood
Twin Lakes San Andres Field
Chaves County, New Mexico

Gentlemen:

You are the owner of an interest in properties which are located within a one-half mile radius of wells which are proposed to be utilized as injection wells under the captioned waterflood project.

Pelto has made application to the New Mexico Oil Conservation Division for approval of the waterflood project together with application for approval of a fieldwide unit. In accordance with New Mexico statutes, Pelto is hereby notifying you of this application and is furnishing you herewith complete copies of the C-108 forms, with attached exhibits, which are being filed in connection with Pelto's application. This matter is scheduled to be heard by the Oil Conservation Division in Santa Fe, New Mexico, on September 9, 1987.

Very truly yours,

PELTO OIL COMPANY

A handwritten signature in cursive script, reading 'Robert L. Spottswood'.

R. L. Spottswood
Manager of Engineering

RLS:jm:J56/29



August 19, 1987

Frederick Winston & James T. Wyman,
Trustees of Marital Trust
U/W/O Frederick S. Winston
1105 Foshay Tower
Minneapolis, MN 55402

RE: Notification of Filing
Application for Waterflood
Twin Lakes San Andres Field
Chaves County, New Mexico

Gentlemen:

You are the owner of an interest in properties which are located within a one-half mile radius of wells which are proposed to be utilized as injection wells under the captioned waterflood project.

Pelto has made application to the New Mexico Oil Conservation Division for approval of the waterflood project together with application for approval of a fieldwide unit. In accordance with New Mexico statutes, Pelto is hereby notifying you of this application and is furnishing you herewith complete copies of the C-108 forms, with attached exhibits, which are being filed in connection with Pelto's application. This matter is scheduled to be heard by the Oil Conservation Division in Santa Fe, New Mexico, on September 9, 1987.

Very truly yours,

PELTO OIL COMPANY

A handwritten signature in cursive script, reading 'Robert L. Spottswood'.

R. L. Spottswood
Manager of Engineering

RLS:jm:J56/29



August 19, 1987

James T. Wyman & Frederick Winston,
Successor Trustees
U/W/O Francisca S. Winston
1105 Foshay Tower
Minneapolis, MN 55402

RE: Notification of Filing
Application for Waterflood
Twin Lakes San Andres Field
Chaves County, New Mexico

Gentlemen:

You are the owner of an interest in properties which are located within a one-half mile radius of wells which are proposed to be utilized as injection wells under the captioned waterflood project.

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Very truly yours,

PELTO OIL COMPANY

A handwritten signature in cursive script, reading 'Robert L. Spottswood'.

R. L. Spottswood
Manager of Engineering

RLS:jm:J56/29



August 19, 1987

James T. Wyman, Trustee
Trust U/I dated 10-2-63
1105 Foshay Tower
Minneapolis, MN 55402

RE: Notification of Filing
Application for Waterflood
Twin Lakes San Andres Field
Chaves County, New Mexico

Gentlemen:

You are the owner of an interest in properties which are located within a one-half mile radius of wells which are proposed to be utilized as injection wells under the captioned waterflood project.

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Very truly yours,

PELTO OIL COMPANY

R. L. Spottswood
Manager of Engineering

RLS:jm:J56/29

OPERATORS

The Harlow Corporation
600 Amarillo Petroleum Building
Amarillo, TX 79101

Mobil Producing Texas & New Mexico, Inc.
Nine Greenway Plaza, Suite 2700
Houston, TX 77046

Pelto Oil Company
One Allen Center, Suite 1800
500 Dallas Street
Houston, TX 77002

Sandco Oil & Gas Inc.
P. O. Box 881
Mesilla Park, NM 88047

Stevens Oil Company and Stevens Operating Company
P. O. Box 2408
Roswell, NM 88201

Sun Exploration & Production Company
P. O. Box 1861
#24 Smith Road
Clay Desta Plaza
Midland, TX 79702
Tim Lodle - Reservoir Engineer

Nabob Production Company
P. O. Drawer 9598
Amarillo, TX 79105

NRM Operating Company, L.P.
2121 San Jacinto Street, Suite 2600
Dallas, TX 75021

Logo Oil Company
P. O. Box 866
Riudoso Downs, NM 88346

Petrus Oil Company
12201 Merit Drive
Suite 900
Dallas, TX 75251

Adams & McGahey
John W. Adams
Estate of R. W. & June Adams
c/o John W. Adams
513 Texas Commerce Bank Bldg.
Amarillo, TX 79109

Brooks Hall
501 N.W. Expressway
Suite 560
Oklahoma City, OK 73118

SURFACE OWNERS

Commissioner of Public Lands
P. O. Box 1148
Santa Fe, NM 87501

Charles G. Kuchemann
Mildred G. Bundy & Marian C. Golick
Rocky Hill Road
Galena, IL 61036

Plains Radio Broadcasting
Attn: Burk Whittenburg
Box 9354
Amarillo, TX 79105
305 West 9th Street
Amarillo, TX 79101

Frates Seeligson
1604 National Bank Commerce Building
San Antonio, TX 78205

UNLEASED MINERAL OWNERS

Charles A. Kelly
c/o Chapman & Cutler
111 West Monroe
Chicago, IL 60603

Marshall & Winston, Inc.
310 West Tower
10 Desta Drive
Midland, TX 79705

Murray C. McKinnon, Trustee
of the Murray C. McKinnon Recovable
Living Trust & the Douglas A. McKinnon Trust
1200 Smith Street, Suite 670
Houston, TX 77002

Moon Company
P. O. Box 9598
Amarillo, TX 79105

Pauline W. Parker or
Henry W. Parker, Trustees
of the Pauline W. Parker Trust
1105 Foshay Tower
Minneapolis, MN 55402

Tenneco Oil Company
7990 IH 10 West
San Antonio, TX 78230
Attn: Mike Hinze

Frederick Winston & James T.
Wyman, Trustees of Marital Trust
U/W/O Frederick S. Winston
1105 Foshay Tower
Minneapolis, MN 55402

James T. Wyman & Frederick
Winston, Successor Trustees
U/W/O Francisca S. Winston
1105 Foshay Tower
Minneapolis, MN 55402

James T. Wyman, Trustee
Trust U/I dated 10-2-63
1105 Foshay Tower
Minneapolis, MN 55402

J56/27

PS Form 3811, July 1983 447-845

SENDER: Complete items 1, 2, 3 and 4.
Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. ☒ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:
*Adams & Mc Dabney
John W Adams
513 Texas Commerce Bank Bldg
Amarillo TX 79109*

4. Type of Service: Article Number
☐ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail *P 247 003 565*

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee
X

6. Signature - Agent
X W. Neese

7. Date of Delivery *AUG 25 1987*

8. Addressee's Address (ONLY if requested and fee paid)
513 TX Comm Bldg

DOMESTIC RETURN RECEIPT

PS Form 3811, July 1983 447-845

SENDER: Complete items 1, 2, 3 and 4.
Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. ☒ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:
*Brooks Hall
501 N.W. Expressway
Suite 560
Oklahoma City, OK 73118*

4. Type of Service: Article Number
☐ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail *P 247 003 572*

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee
X

6. Signature - Agent
X Eva Whiten

7. Date of Delivery *8/31/87*

8. Addressee's Address (ONLY if requested and fee paid)

DOMESTIC RETURN RECEIPT

PS Form 3811, July 1983 447-845

SENDER: Complete items 1, 2, 3 and 4.
Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. ☒ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:
*Commissioner of Public Lands
P. O. Box 1148
Santa Fe, NM 87501*

4. Type of Service: Article Number
☐ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail *P 247 003 367*

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee
X [Signature]

6. Signature - Agent
X

7. Date of Delivery *AUG 21 1987*

8. Addressee's Address (ONLY if requested and fee paid)

DOMESTIC RETURN RECEIPT

SENDER: Complete items 1, 2, 3 and 4.

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. ☒ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:
Harlow Corporation
600 Amarillo Petroleum Building
Amarillo, TX 79101

4. Type of Service: Article Number
☐ Registered ☐ Insured
☒ Certified ☐ COD P247003371
☐ Express Mail

Always obtain signature of addressee or agent and **DATE DELIVERED.**

5. Signature - Addressee
X

6. Signature - Agent
X *Wm. Boyler*

7. Date of Delivery

8. Addressee's Address (ONLY if requested and fee paid)
*Box 14028
DMA. Luf
7910*

8-25-87

*I talked with Ada
Boyle at Harlow this
morning (806-372-7381);
She said they received
both letters on the same
day and she thinks it
was last Friday, the 21st.*

B. Headley

BETTY HEADLEY

SENDER: Complete items 1, 2, 3 and 4.

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. ☒ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:
Charles A. Kelly
c/o Chapman & Cutler
111 West Monroe
Chicago, IL 60603

4. Type of Service: Article Number
☐ Registered ☐ Insured
☒ Certified ☐ COD P247003363
☐ Express Mail

Always obtain signature of addressee or agent and **DATE DELIVERED.**

5. Signature - Addressee
X *Nancy Minter*

6. Signature - Agent
X

7. Date of Delivery *8-21-87*

8. Addressee's Address (ONLY if requested and fee paid)

SENDER: Complete items 1, 2, 3 and 4.

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. ☒ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:
Charles G. Kuchemann, Mildred G.
Bundy, Marion C. Golish
Rocky Hill Road -
Galena, IL 61036

4. Type of Service: Article Number
☐ Registered ☐ Insured
☒ Certified ☐ COD P247003366
☐ Express Mail

Always obtain signature of addressee or agent and **DATE DELIVERED.**

5. Signature - Addressee
X *Charles Kuchemann*

6. Signature - Agent
X

7. Date of Delivery *8/21/87*

8. Addressee's Address (ONLY if requested and fee paid)
*3245
Rocky Hill Galena, Ill
61036*

SENDER: Complete items 1, 2, 3 and 4.
Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. ☒ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:
Murray C. McKinnon, Trustee
Murray C. McKinnon Revocable Living Trust & Dougals A. McKinnon Trust
1200 Smith St., Ste. 670
Houston, TX 77002

4. Type of Service: Article Number
☐ Registered ☐ Insured
☒ Certified ☐ COD P 247 003 373
☐ Express Mail

Always obtain signature of addressee or agent and **DATE DELIVERED.**

5. Signature - Addressee
X *M.C. McKinnon*

6. Signature - Agent
X

7. Date of Delivery
AUG 21 1987

8. Addressee's Address (ONLY if requested and fee paid)

SENDER: Complete items 1, 2, 3 and 4.
Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. ☒ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:
Marshall & Winston
310 West Tower
10 Desta Dr.
Midlan, TX 79705

4. Type of Service: Article Number
☐ Registered ☐ Insured
☒ Certified ☐ COD P 247 508 359
☐ Express Mail

Always obtain signature of addressee or agent and **DATE DELIVERED.**

5. Signature - Addressee
X

6. Signature - Agent
X *Pennie J. Seibert*

7. Date of Delivery
8/21-87

8. Addressee's Address (ONLY if requested and fee paid)

DOMESTIC RETURN RECEIPT

SENDER: Complete items 1, 2, 3 and 4.
Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. ☒ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:
Moon Company
O. O. Box 9598
Amarillo, TX 79105

4. Type of Service: Article Number
☐ Registered ☐ Insured
☒ Certified ☐ COD P247003362
☐ Express Mail

Always obtain signature of addressee or agent and **DATE DELIVERED.**

5. Signature - Addressee
X *J. G. Giddens*

6. Signature - Agent
X

7. Date of Delivery
AUG 21 1987

8. Addressee's Address (ONLY if requested and fee paid)
Box 9598
Amarillo, TX 79105

SENDER: Complete items 1, 2, 3 and 4.
Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. ☒ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:
Mobil Producing Texas & New Mexico
Nine Greenway Plaza, Suite 2700
Houston, TX 77046

4. Type of Service: Article Number
☐ Registered ☐ Insured
☒ Certified ☐ COD P247003370
☐ Express Mail

Always obtain signature of addressee or agent and **DATE DELIVERED.**

5. Signature - Addressee
X *John G. Giddens*

6. Signature - Agent
X

7. Date of Delivery
8/21/87

8. Addressee's Address (ONLY if requested and fee paid)

DOMESTIC RETURN RECEIPT

SENDER: Complete items 1, 2, 3 and 4.

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. ☒ Show to whom, date and address of delivery.

2. ☐ Restricted Delivery.

3. Article Addressed to:
Sun Exploration & Production Co.
P.O. Box 1861
24 Smack Road
Bay Vista Plaza
Midland, TX 79702
Attn: Tim Latta

4. Type of Service: ☐ Registered ☐ Insured ☐ Certified ☐ COD ☐ Express Mail

Article Number: P247003569

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee
X

6. Signature - Agent
X Nannette L. Empey

7. Date of Delivery
8/2/87

8. Addressee's Address (ONLY if requested and fee paid)

SENDER: Complete items 1, 2, 3 and 4.

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. ☒ Show to whom, date and address of delivery.

2. ☐ Restricted Delivery.

3. Article Addressed to:
Tenneco Oil Company
7990 IH 10 West
San Antonio, TX 78230
Attn: Mike Henze

4. Type of Service: ☐ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail

Article Number: P 247 003 360

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee
X *Mike C. Henze*

6. Signature - Agent
X

7. Date of Delivery
8-24-87

8. Addressee's Address (ONLY if requested and fee paid)
Shane 9543

SENDER: Complete items 1, 2, 3 and 4.

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. ☒ Show to whom, date and address of delivery.

2. ☐ Restricted Delivery.

3. Article Addressed to:
Frederick Winston & James T. Wyman
Trustees of Marital Trust u/w/o/
Frederick S. Winston
05 Foshay Tower
Minneapolis, MN 55402

4. Type of Service: ☐ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail

Article Number: P247003357

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee
X

6. Signature - Agent
X *Ben Dahlberg*

7. Date of Delivery
8/21/87

8. Addressee's Address (ONLY if requested and fee paid)
same as above

SENDER: Complete items 1, 2, 3 and 4.

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. ☒ Show to whom, date and address of delivery.

2. ☐ Restricted Delivery.

3. Article Addressed to:
James T. Wyman & Frederick Winston
Successor Trustees
U/W/O Francisca S. Winston
1105 Foshay Tower
Minneapolis, MN 55402

4. Type of Service: ☐ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail

Article Number: P 247 003 372

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee
X

6. Signature - Agent
X *J.T. Wyman*

7. Date of Delivery

8. Addressee's Address (ONLY if requested and fee paid)
AUG 21 1987

SENDER: Complete items 1, 2, 3 and 4.

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. ☒ Show to whom, date and address of delivery.

2. ☐ Restricted Delivery.

3. Article Addressed to:
James T. Wyman, Trustee
Trust U/I dated 10-2-63
1105 Foshay Tower
Minneapolis, MN 55402

4. Type of Service: ☐ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail

Article Number: P247003357

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee
X

6. Signature - Agent
X *Ben Dahlberg*

7. Date of Delivery
8/21/87

8. Addressee's Address (ONLY if requested and fee paid)
same as above

PS Form 3811, July 1983

● SENDER: Complete items 1, 2, 3 and 4.

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. ☒ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:

Nabob Production Co.
PO Drawer 9598
Amarillo TX 79105
500 S Monroe St. Amarillo TX

4. Type of Service:

Article Number

- ☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail

79105
P247003568

Always obtain signature of addressee or agent and
DATE DELIVERED.

5. Signature - Addressee

X *[Signature]*

6. Signature - Agent

X

7. Date of Delivery

AUG 24 1987

8. Addressee's Address (ONLY if requested and fee paid)

Box 9598
Amarillo TX 79105

DOMESTIC RETURN RECEIPT

PS Form 3811, July 1983

Items 1, 2, 3 and 4.

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. ☒ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:

NRM Operating Company, L.P.
2121 San Jacinto Street, Suite 2600
Dallas, TX 75201
Attn: Herb Bell

4. Type of Service:

Article Number

- ☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail

P247003567

Always obtain signature of addressee or agent and
DATE DELIVERED.

5. Signature - Addressee

X *[Signature]*

6. Signature - Agent

X

7. Date of Delivery

AUG 24 1987

8. Addressee's Address (ONLY if requested and fee paid)

2121 San Jacinto
Dallas, TX 75201
Route #146

DOMESTIC RETURN RECEIPT

PS Form 3811, July 1983

● SENDER: Complete items 1, 2, 3 and 4.

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. ☒ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:

Pauline W. Parker or Henry W. Parker
Trustees of the Pauline W. Parker
Trust
1105 Forshay Tower
Minneapolis, MN 55402

4. Type of Service:

Article Number

- ☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail

P247003361

Always obtain signature of addressee or agent and
DATE DELIVERED.

5. Signature - Addressee

X

6. Signature - Agent

X *[Signature]*

7. Date of Delivery

8-21-87

8. Addressee's Address (ONLY if requested and fee paid)

AUG 21 1987

PS Form 3811, July 1983

● SENDER: Complete items 1, 2, 3 and 4.

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. ☒ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:

Petrus Oil Company
12201 Merit Drive
Suite 900
Dallas TX 75251

4. Type of Service:

Article Number

- ☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail

P247003570

Always obtain signature of addressee or agent and
DATE DELIVERED.

5. Signature - Addressee

X *[Signature]*

6. Signature - Agent

X

7. Date of Delivery

8-21-87

8. Addressee's Address (ONLY if requested and fee paid)

DOMESTIC RETURN RECEIPT

PS Form 3811, July 1983 447-845

SENDER: Complete items 1, 2, 3 and 4.
Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. ☒ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:
Plain Radio Broadcasting
P. O. Box 9354
Amarillo, TX 79105
Attention: Burk Whittenburg

4. Type of Service: ☐ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail
Article Number: P247003365

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee
X

6. Signature - Agent
X *Jackie DeBottis*

7. Date of Delivery
AUG 21 1987

8. Addressee's Address (ONLY if requested and fee paid)

DOMESTIC RETURN RECEIPT

PS Form 3811, July 1983 447-845

SENDER: Complete items 1, 2, 3 and 4.
Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. ☒ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:
Sandco Oil & Gas, Inc.
P. O. Box 881
Mesilla Park, NM 88047

4. Type of Service: ☐ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail
Article Number: P247003369

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee
X *Dennis E. Brown*

6. Signature - Agent
X

7. Date of Delivery
8-21-87

8. Addressee's Address (ONLY if requested and fee paid)

DOMESTIC RETURN RECEIPT

PS Form 3811, July 1983 447-845

SENDER: Complete items 1, 2, 3 and 4.
Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. ☒ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:
Frates Seeligson
1604 National Bank Commerce Bldg.
San Antonio, TX 78205

4. Type of Service: ☐ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail
Article Number: P247003364

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee
X

6. Signature - Agent
X *M. A. Smith*

7. Date of Delivery
AUG 21 1987

8. Addressee's Address (ONLY if requested and fee paid)
430 Salcedo

DOMESTIC RETURN RECEIPT

PS Form 3811, July 1983 447-845

SENDER: Complete items 1, 2, 3 and 4.
Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. ☒ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:
Stevens Oil Company
P. O. Box 2408
Roswell, NM 88201

4. Type of Service: ☐ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail
Article Number: P247003368

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee
X

6. Signature - Agent
X *Kevin L. Taylor*

7. Date of Delivery
8-24-87

8. Addressee's Address (ONLY if requested and fee paid)
P.O. Box 2408

DOMESTIC RETURN RECEIPT

P 247 003 566

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

PS Form 3800, Feb. 1982
★ U.S.G.P.O. 1984-448-014

Sent to	<i>Lago Oil Co.</i>
Street and No.	<i>P.O. Box 866</i>
P.O. State and ZIP Code	<i>Ruidoso Downs, NM 88346</i>
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	<i>8/19/87</i>

WATERFLOOD APPLICATION
NOTICES SENT AUGUST 19, 1987
TWIN LAKES FIELD
1/2 MILE RADIUS

<u>TRACT DESCRIPTION</u>	<u>SURFACE OWNER</u>	<u>OPERATOR, LESSEE, MINERAL OWNER</u>
T8S-R28E, Sec. 24: S/2S/2	Frates Seeligson	Stevens Oil, Brooks Hall, Nabob Production Company, NRM Operating Company, LP, Adams & McGahey, John W. Adams, Estate of R. W. Adams & June Adams
T8S-R28E, Sec. 25: SW/4, SE/4NW/4	Frates Seeligson	Pelto Oil - HBP
T8S-R28E, Sec. 25: N/2NW/4, SW/4NW/4	Frates Seeligson	Pelto Oil - HBP 7/8 Tenneco - Unleased 1/8
T8S-R28E, Sec. 25: E/2	Frates Seeligson	Harlow Corporation, Edwards & Leach Oil Company, Sandco Oil & Gas, Inc. Logo Oil Company - HBP
T8S-R28E, Sec. 26: SE/4SE/4	Frates Seeligson	Pelto Oil - 5-12-90 7/8 Tenneco - Unleased 1/8
T8S-R28E, Sec. 26: NE/4, N/2SE/4, SW/4SE/4	Frates Seeligson	Pelto Oil - HBP 3/4; 5-12-90 1/8 Tenneco - Unleased 1/8
T8S-R28E, Sec. 35: N/2NE/4, SW/4NE/4	Frates Seeligson	Pelto Oil - 5-12-90 7/8 Tenneco - Unleased 1/8
T8S-R28E, Sec. 35: SE/4NE/4	Frates Seeligson	Pelto Oil - HBP 7/8 Tenneco - Unleased 1/8
T8S-R28E, Sec. 35: N/2SE/4, SW/4SE/4	Frates Seeligson	Pelto Oil - 5-12-90 7/8 Tenneco - Unleased 1/8
T8S-R28E, Sec. 35: SE/4SE/4	Frates Seeligson	Pelto Oil - HBP 7/8 Tenneco - Unleased 1/8
T8S-R28E, Sec. 36: All	Comm. of Public Lands	Pelto Oil - HBP 7/8 Tenneco - Unleased 1/8
T8S-R29E, Sec. 19: All	Frates Seeligson	Pelto Oil - HBP
T8S-R29E, Sec. 29: W/2	Frates Seeligson	Pelto Oil - 8-13-88, 10-21-90 7/8

WATERFLOOD APPLICATION
NOTICES SENT AUGUST 19, 1987
TWIN LAKES FIELD
1/2 MILE RADIUS

<u>TRACT DESCRIPTION</u>	<u>SURFACE OWNER</u>	<u>OPERATOR, LESSEE, MINERAL OWNER</u>
T8S--R29E, Sec. 30: N/2	C. E. Kuchemann Mildred G. Bundy Marian C. Golich	Harlow Corp. - HBP
T8S--R29E, Sec. 30: SW/4	Frates Seeligson	Pelto Oil - HBP
T8S--R29E, Sec. 30: SE/4	Frates Seeligson	Pelto Oil - HBP 7/8 Tenneco - Unleased 1/8
T8S--R29E, Sec. 31: NE/4NE/4	Frates Seeligson	Pelto Oil - HBP 7/8 Tenneco Unleased - 1/8
T8S--R29E, Sec. 31: All except NE/4NE/4	Frates Seeligson	Pelto Oil - HBP
T8S--R29E, Sec. 32: E/2,E/2W/2, W/2NW/4	Frates Seeligson	Pelto Oil - HBP 7/8 Tenneco - Unleased 1/8
T8S--R29E, Sec. 32: W/2SW/4	Frates Seeligson	Pelto Oil - HBP
T9S--R28E, Sec. 1: All	Frates Seeligson	Pelto Oil - HBP
T9S--R28E, Sec. 2: Lot 1	Frates Seeligson	Pelto Oil - HBP
T9S--R28E, Sec. 2: Lot 2, S/2NE/4,SE/4	Frates Seeligson	Pelto Oil - HBP 7/8 Marshall & Winston Group (Marshall & Winston, Inc., Charles A. Kelly, Pauline Parker Trust, Frederick S. Winston Estate, James T. Wyman, Trustee, Francisca S. Winston Estate, Douglas A. McKinnon Trust) - Unleased 1/8
T9S--R28E, Sec. 12: SW/4,SW/4SE/4	Frates Seeligson	Pelto Oil - HBP 1/8 Moon Company - Unleased 3/4 Tenneco - Unleased 1/8
T9S--R28E, Sec. 12: NW/4	Frates Seeligson	Pelto Oil - HBP 7/8 Tenneco - Unleased 1/8

WATERFLOOD APPLICATION
NOTICES SENT AUGUST 19, 1987
TWIN LAKES FIELD
1/2 MILE RADIUS

<u>TRACT DESCRIPTION</u>	<u>SURFACE OWNER</u>	<u>OPERATOR, LESSEE, MINERAL OWNER</u>
T9S-R28E, Sec. 12: NE/4,N/2SE/4, SE/4SE/4	Frates Seeligson	Pelto Oil - HBP
T9S-R28E, Sec. 13: All	Plains Radio Broadcasting	Mobil Producing Texas & New Mexico, Inc.
T9S-R29E, Sec. 5: E/2W/2	Frates Seeligson	Pelto Oil - HBP 15/16 Tenneco - Unleased 1/16
T9S-R29E, Sec. 5: W/2W/2	Frates Seeligson	Pelto Oil - HBP
T9S-R29E, Sec. 5: E/2	Frates Seeligson	Pelto Oil - HBP 15/16 Tenneco - Unleased 1/16
T9S-R29E, Sec. 6: SW/4WSW/4	Frates Seeligson	Pelto Oil - HBP 15/16 Tenneco - Unleased 1/16
T9S-R29E, Sec. 6: All except SW/4SW/4	Frates Seeligson	Pelto Oil - HBP
T9S-R29E, Sec. 7: SE/4NE/4,NE/4SE/4	Frates Seeligson	Pelto Oil - HBP 7/8 Tenneco - Unleased 1/8
T9S-R29E, Sec. 7: All except SE/4NE/4,NE/4SE/4	Frates Seeligson	Pelto Oil - HBP
T9S-R29E, Sec. 8: NW/4NW/4	Frates Seeligson	Pelto Oil - HBP
T9S-R29E, Sec. 8: All except NW/4NW/4	Frates Seeligson	Pelto Oil - HBP 5/16 Tenneco - Unleased 1/16
T9S-R29E, Sec. 17: All	Frates Seeligson	Pelto Oil (Successor in interest to Sun & Petrus) 10-21-90 - 7/8 Marshall & Winston Group 1/16 Tenneco - Unleased 1/16

WATERFLOOD APPLICATION
NOTICES SENT AUGUST 19, 1987
TWIN LAKES FIELD
1/2 MILE RADIUS

<u>TRACT DESCRIPTION</u>	<u>SURFACE OWNER</u>	<u>OPERATOR, LESSEE, MINERAL OWNER</u>
T9S-R29E, Sec. 18: W/2NE/4, E/2NW/4,NW/4NW/4	Frates Seeligson	Pelto Oil - HBP
T9S-R29E, Sec. 18: S/2,E/2NE/4, SW/4NW/4	Frates Seeligson	Pelto Oil - HBP 7/8 Tenneco - Unleased 1/8