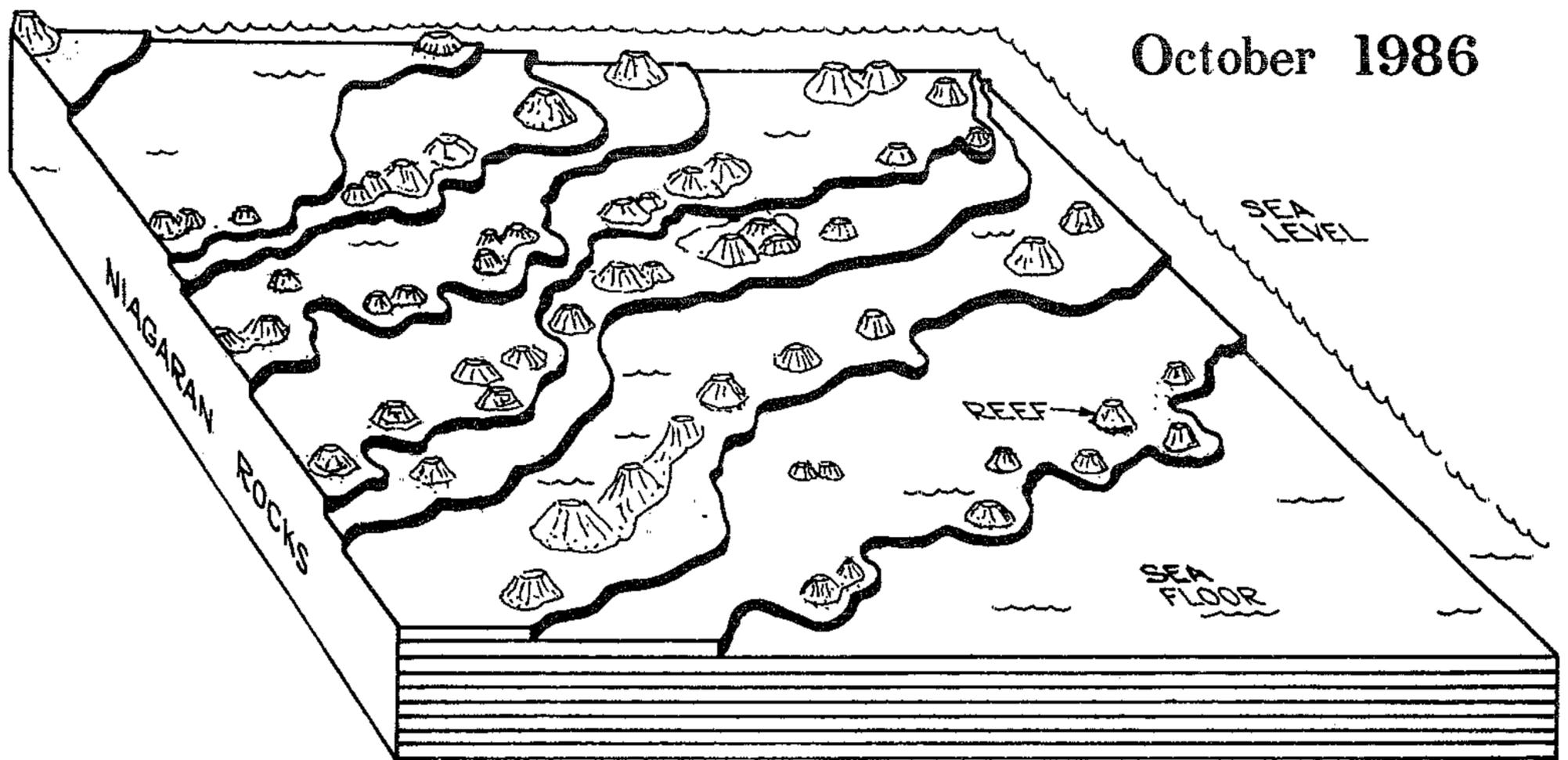


1986 Addendum for the
Subsurface Pressure Report
on the
Northern Michigan Reef
Development



Proration & Technical Evaluation
Geological Survey Division
Department of Natural Resources

STATE OF MICHIGAN
Hon. James J. Blanchard, Governor

DEPARTMENT OF NATURAL RESOURCES
Dr. Gordon E. Guyer, Director

GEOLOGICAL SURVEY DIVISION
R. Thomas Segall, State Geologist and Chief

NATURAL RESOURCES COMMISSION
O. Stewart Myers, Chairperson, Bitely
Marlene J. Fluharty, Mt. Pleasant
Thomas J. Anderson, Southgate
David D. Olson, Marquette
Raymond Poupore, Warren
Kerry Kammer, Clarkston
John M. Robertson, Executive Assistant

Printed by Reproduction Services Section, Office Services Division,
Department of Management and Budget

Available from the Information Services Center, Michigan Department of
Natural Resources, Box 30028, Lansing, Michigan 48909

On deposit in public libraries, state libraries, university libraries
and geological survey libraries in Michigan and other selected localities.

The 1986 Addendum for the Subsurface Pressure Report on the Northern Michigan Reef Development includes the results of the bottom hole pressure tests that were made available to the Proration and Technical Evaluation Unit. This report is an addendum to the Subsurface Pressure Report on the Northern Michigan Reef Development dated March 1984 and includes pressure tests reported for the period between March 1984 and September 1986. Wells are located in their respective fields based on the best information available at the present time.

Compiled by: Gunther Schmidt

Lansing, Michigan
October 1986

FIELD NAME Mancelona 33-29N-5W

COUNTY Antrim

LEASE NAME			TEST DATE			CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	TBC		CSG	
State Mancelona 6A-33			January 2, 1985					
1/85	--	6625 TVD	1620	.292	1626	--	--	

FIELD NAME Mancelona 33A-29N-5W

COUNTY Antrim

LEASE NAME			TEST DATE			CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	TBC		CSG	
State Mancelona "A" 7A-33			August 15, 1985					
8/85	69	6712 TVD	1710	.280	1710	418	526	
State Mancelona "A" 7A-33			August 25, 1985					
8/85	69	6712 TVD	1692	.267	1692	1054	812	

FIELD NAME Mancelona 34-29N-5W

COUNTY Antrim

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Mancelona "C" 5-34			September 9, 1984				
1/85	113	6693	1300	.544	1248	9	231

FIELD NAME Colfax 31-25N-13W

COUNTY Benzie

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Hungry Horse 1-31			January 1, 1986				
1/86	74	5073	2739	.330	2739	1165	--
Hungry Horse 1-31			March 25, 1986				
1/86	336	5073	2602	.330	2602	1066	--
Hungry Horse 1-31			May 9, 1986				
1/86	69	5073	2405	.320	2405	984	--

FIELD NAME Colfax 24-25N-13W

COUNTY Benzie

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Colfax 2-24			November 18, 1985				
11/85	66	5708	2798	--	2798	2252	--
State Colfax 2-24			November 23, 1985				
11/85	97	5708	2649	--	2649	1988	--

FIELD NAME Forest 14-33N-1E

COUNTY Cheboygan

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
USA 1-13A			May 17, 1985				
9/78	24	3629 TVD	1333	.386	1341	0	0

FIELD NAME Frederic 7-28N-4W

COUNTY Crawford

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Frederic "A" 1-7			April 29, 1986				
11/73	--	7035	702	.484	566	44	--

FIELD NAME Frederic 8-28N-4W

COUNTY Crawford

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Frederic "B" 6-8			September 25, 1984				
9/84	134	6749	1762	.289	1757	1177	1184
State Frederic "B" 8-8 WIW			July 29, 1985				
7/85	60	6927	1769	.335	1718	443	PKR
State Frederic "B" 11-8			March 31, 1986				
4/86	73	6908	1672	.510	1607	96	PKR

FIELD NAME Frederic 7A-28N-4W

COUNTY Crawford

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Frederic "E" 1B-18			November 12, 1984				
11/84	134	6901 TVD	2033	.529	2033	98	PKR
State Frederic "E" 1B-18			January 24, 1985				
11/84	NA	6901 TVD	2660	.539	2660	222	PKR

FIELD NAME Maple Forest 3-28N-3W

COUNTY Crawford

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Maple Forest 1-2			December 20, 1984				
11/84	142	6972 TVD	2205	.556	2064	50	239
State Maple Forest 1-3			March 2, 1985				
9/76	74	6738	1085	.294	1083	670	PKR

FIELD NAME Blair 13-26N-11W

COUNTY Grand Traverse

LEASE NAME		TEST DATE			CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Otis-State Blair 2-13A		February 8, 1985					
2/85	68	5751 TVD	2449	--	2468	1013	--
State Blair 3-24		January 4, 1986					
12/85	167	5756	2357	--	2374	880	--

FIELD NAME Blair 14-26N-11W

COUNTY Grand Traverse

LEASE NAME		TEST DATE			CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Blair 1-14		September 27, 1984					
10/79	72	5636	1477	.050	1485	1237	1234
Shumsky 3-22		August 27, 1985					
7/78	25	5674	1478	.050	1484	1226	1230
State Blair 1-14A		September 10, 1985					
8/85	95	5721 TVD	1421	.040	1424	1197	1181

FIELD NAME East Bay 1-26N-10W

COUNTY Grand Traverse

LEASE NAME		TEST DATE			CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Rennie Lake 1-1B		January 11, 1985					
1/85	9	6099 TVD	3143	.106	3179	2478	--

FIELD NAME East Bay 2-26N-10W

COUNTY Grand Traverse

LEASE NAME		TEST DATE			CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Spider Lake-St East Bay 3-2		December 15, 1984					
12/84	66	5935 TVD	2695	.293	2695	1178	--
Spider Lake-State East Bay 1-2A		July 28, 1985					
7/85	47	5914 TVD	2559	.503	2568	560	--
State East Bay 1-10A		October 25, 1985					
10/85	5	5863 TVD	2437	--	2438	1011	1470

FIELD NAME East Bay 11-26N-10W

COUNTY Grand Traverse

LEASE NAME		TEST DATE			CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Rotary Camp 3-14A		December 23, 1984					
12/84	42.5	6188	2405	.300	2350	932 PKR	
Rotary Camps 6-11B		January 23, 1985					
1/85	39	6204 TVD	2399	.520	2297	918 PKR	

FIELD NAME East Bay 12-26N-10W

COUNTY Grand Traverse

LEASE NAME		TEST DATE			CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Foster 1-12		June 10, 1985					
11/80	287	6221 TVD	2169	.075	2175	1750 --	

FIELD NAME East Bay 12A-26N-10W

COUNTY Grand Traverse

LEASE NAME		TEST DATE			CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Kantz 1-12		May 9, 1985					
9/82	64	6152 TVD	2374	.080	2375	1919 --	
State Pinewood Shores 1-12		January 21, 1986					
1/86	26	6220 TVD	2074	.524	2060	1252 1628	

FIELD NAME East Bay 13-26N-10W

COUNTY Grand Traverse

LEASE NAME		TEST DATE			CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State East Bay-Habrecht 1-13		February 2, 1984					
2/84	20	6247	3100	.140	3100	2371 1818	

FIELD NAME East Bay 14-26N-10W COUNTY Grand Traverse

LEASE NAME			TEST DATE		RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	TEST DATE	RECORDED PRESSURE (PSIG)					FLUID GRADIENT LOWER 100 FT	TBC
City of Traverse City 1-15A			October 3, 1984							
10/84	21	6180	2401	.300	2376	--	--			
State East Bay 2-14A			October 25, 1984							
10/84	43	6164 TVD	2430	.340	2404	959	--			
Rotary Camp 5-11A			November 29, 1984							
11/84	43	6137 TVD	2412	.595	2353	934	PKR			

FIELD NAME East Bay 16-26N-10W COUNTY Grand Traverse

LEASE NAME			TEST DATE		RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	TEST DATE	RECORDED PRESSURE (PSIG)					FLUID GRADIENT LOWER 100 FT	TBC
Wise, Delia 2-16A			January 16, 1985							
1/85	42	5887 TVD	2166	.394	2125	787	--			

FIELD NAME East Bay 17-26N-10W COUNTY Grand Traverse

LEASE NAME			TEST DATE		RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	TEST DATE	RECORDED PRESSURE (PSIG)					FLUID GRADIENT LOWER 100 FT	TBC
Houck 5-17			October 15, 1984							
10/84	73	5767	634	.015	635	531	PKR			

FIELD NAME Grant 3-25N-12W COUNTY Grand Traverse

LEASE NAME			TEST DATE		RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	TEST DATE	RECORDED PRESSURE (PSIG)					FLUID GRADIENT LOWER 100 FT	TBC
State Svoboda 1-34B			November 12, 1985							
11/85	15	5367 TVD	1223	.310	1213	550	--			

FIELD NAME Grant 3A-25N-12W

COUNTY Grand Traverse

LEASE NAME			TEST DATE					CALCULATED		SHUT IN SURFACE	
WELL	SHUT IN	RECORDED	RECORDED	FLUID							
COMP	TIME	DEPTH	PRESSURE	GRADIENT			PRESSURE AT		PRESSURE		
DATE	(HRS)	(FEET)	(PSIG)	LOWER 100 FT			DATUM (PSIG)	TBG	CSG		
State Grant 3-3			May 5, 1986								
5/86	63	5475 TVD	962	.330			937	95	--		

FIELD NAME Grant 4-24N-12W

COUNTY Grand Traverse

LEASE NAME			TEST DATE					CALCULATED		SHUT IN SURFACE	
WELL	SHUT IN	RECORDED	RECORDED	FLUID							
COMP	TIME	DEPTH	PRESSURE	GRADIENT			PRESSURE AT		PRESSURE		
DATE	(HRS)	(FEET)	(PSIG)	LOWER 100 FT			DATUM (PSIG)	TBG	CSG		
State Grant 1-9B			May 5, 1985								
5/85	44	5486 TVD	1415	.313			1435	330	0		

FIELD NAME Grant 12A-25N-12W

COUNTY Grand Traverse

LEASE NAME			TEST DATE					CALCULATED		SHUT IN SURFACE	
WELL	SHUT IN	RECORDED	RECORDED	FLUID							
COMP	TIME	DEPTH	PRESSURE	GRADIENT			PRESSURE AT		PRESSURE		
DATE	(HRS)	(FEET)	(PSIG)	LOWER 100 FT			DATUM (PSIG)	TBG	CSG		
Yanska 4-12A			February 29, 1984								
2/84	209	5903 TVD	2769	.301			2769	978	542		
Yanska 4-12A			July 15, 1984								
2/84	73	5903 TVD	2353	.580			2353	745	--		
Yanska 6-12A			July 21, 1984								
7/84	67	5826 TVD	2546	.300			2575	985	--		
Yanska 6-12A			July 24, 1985								
7/84	87	5826 TVD	630	--			659	--	--		

FIELD NAME Grant 13-25N-12W

COUNTY Grand Traverse

LEASE NAME			TEST DATE					CALCULATED		SHUT IN SURFACE	
WELL	SHUT IN	RECORDED	RECORDED	FLUID							
COMP	TIME	DEPTH	PRESSURE	GRADIENT			PRESSURE AT		PRESSURE		
DATE	(HRS)	(FEET)	(PSIG)	LOWER 100 FT			DATUM (PSIG)	TBG	CSG		
Imhoff 1			April 9, 1985								
9/74	24	5869	603	.053			601	512	513		
Imhoff 1			May 21, 1986								
9/74	41	5894	510	.290			493	428	42		

FIELD NAME Grant 19-25N-12W

COUNTY Grand Traverse

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Fluger-State Grant 1-19			May 30, 1985				
5/85	162	5629 TVD	2678	--	2678	1244	--

FIELD NAME Grant 26-25N-12W

COUNTY Grand Traverse

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Grant Farms 1-27			September 4, 1985				
10/74	128	5977	716	.021	717	607	--

FIELD NAME Grant 31-25N-12W

COUNTY Grand Traverse

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Grant 1-31			March 4, 1985				
3/85	38	5772 TVD	2216	--	2216	707	--

FIELD NAME Grant 32-25N-12W

COUNTY Grand Traverse

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Biederman 2-32B			February 14, 1984				
2/84	13	5795 TVD	963	.030	965	801	--

FIELD NAME Grant 34A-25N-12W COUNTY Grand Traverse

LEASE NAME			TEST DATE		RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)			TBG					CSG	
Rogers 1-34			February 3, 1985							
1/85	71	6110			877	.545	856	520	PKR	
Youker 1-34			June 13, 1985							
1/79	47	6100			883	.060	881	742	746	
Rogers 1-34			June 17, 1985							
1/85	90	6070			919	--	920	39	PKR	

FIELD NAME Grant 35-25N-12W COUNTY Grand Traverse

LEASE NAME			TEST DATE		RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)			TBG					CSG	
Clous 1-35			August 9, 1985							
4/76	72	6098			1281	.276	1281	959	961	

FIELD NAME Mayfield 3A-25N-11W COUNTY Grand Traverse

LEASE NAME			TEST DATE		RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)			TBG					CSG	
Zimmerman 3-3			February 10, 1986							
1/86	--	6179			1688	.524	1602	--	--	

FIELD NAME Mayfield 14A-25N-11W COUNTY Grand Traverse

LEASE NAME			TEST DATE		RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)			TBG					CSG	
Jones-Pahl 1-14			December 29, 1984							
12/84	42	6475			3278	.118	3278	2523	PKR	
Harrison 1-14A			June 15, 1985							
6/85	39	6451 TVD			3285	.140	3287	2556	--	

FIELD NAME Mayfield 22-25N-11W COUNTY Grand Traverse

LEASE NAME			TEST DATE			CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	TBG		CSG	
Richards 1-22B			February 19, 1984					
7/82	117	6510 TVD	1655	--	1672	--	--	
Weber 1-22			November 6, 1984					
11/84	25	6539 TVD	2236	.230	2239	1684	--	

FIELD NAME Mayfield 30-25N-11W COUNTY Grand Traverse

LEASE NAME			TEST DATE			CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	TBG		CSG	
Gurnsey 1-25			May 14, 1985					
5/84	115	6333	622	.030	623	520	--	

FIELD NAME Mayfield 31A-25N-11W COUNTY Grand Traverse

LEASE NAME			TEST DATE			CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	TBG		CSG	
Sheets 1-31A			October 2, 1984					
10/84	--	6466 TVD	3280	--	3280	2411	1494	

FIELD NAME Paradise 5-25N-10W COUNTY Grand Traverse

LEASE NAME			TEST DATE			CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	TBG		CSG	
Dowd 1-5A			January 11, 1985					
1/85	--	6269 TVD	3291	.150	3291	2509	--	
Dowd 1-5A			February 5, 1985					
1/85	643	6269 TVD	3439	.140	3439	2638	--	

FIELD NAME Paradise 5A-25N-10W COUNTY Grand Traverse

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Dowd 2-5C			May 13, 1985				
5/85	188	6476 TVD	3593	.082	3593	2848	--

FIELD NAME Paradise 7A-25N-10W COUNTY Grand Traverse

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Wail 4-6A			October 31, 1984				
3/83	--	6480 TVD	1845	.060	1845	1503	--

FIELD NAME Paradise 20-26N-10W COUNTY Grand Traverse

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Paradise 1-20B			May 23, 1985				
10/84	189	6056 TVD	1222	.470	1212	17	--

FIELD NAME Paradise 21-26N-10W COUNTY Grand Traverse

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Wise 1-16			January 16, 1985				
6/76	46	5834	1144	.317	1143	878	--

FIELD NAME Paradise 27-26N-10W

COUNTY Grand Traverse

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Edwards 1-22 (Neyer Oil Co)			December 9, 1985				
12/85	40	6154 TVD	2327	.272	2309	1080	PKR

FIELD NAME Union 1-26N-9W

COUNTY Grand Traverse

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Union "F" 1-1			November 2, 1985				
12/72	48	6572	327	--	304	241	241

FIELD NAME Union 3B-26N-9W

COUNTY Grand Traverse

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Union 2-3			November 9, 1984				
11/84	63	6465	3447	--	3447	2618	--

FIELD NAME Union 9-26N-9W

COUNTY Grand Traverse

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Hanna 1-9C			November 1, 1984				
10/84	39	6342 TVD	3341	.095	3341	2686	--

FIELD NAME Union 10-26N-7W

COUNTY Grand Traverse

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBC	CSC
State Union "Y" 1-10			April 22, 1986				
4/86	509	6567	2621	.083	2621	2085	828

FIELD NAME Union 14-26N-9W

COUNTY Grand Traverse

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBC	CSC
Prizy-Schiff 1-14			February 9, 1986				
10/73	69	6670	188	.300	192	93	93

FIELD NAME Union 17-26N-9W

COUNTY Grand Traverse

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBC	CSC
State Union "N" 2-17			June 20, 1985				
10/78	24	6458	590		590	495	--

FIELD NAME Union 19-26N-9W

COUNTY Grand Traverse

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBC	CSC
State Union 1-19			November 26, 1984				
11/84	36	6540	3420	.177	3420	2731	--
State Union "AF" 4A-19			July 16, 1985				
7/85	304	6484 TVD	3186	.092	3186	2576	1931
State Union "AF" 4A-19			October 8, 1985				
7/85	1793	6484 TVD	2920	.075	2920	2334	1402
State Union "AF" 4A-19			March 31, 1986				
7/85	428	6484 TVD	2091	.063	2090	1485	1708

FIELD NAME Union 20-26N-9W

COUNTY Grand Traverse

LEASE NAME		TEST DATE			CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBC	CSG
Scharmen 1-20		June 4, 1985					
6/78	23	6340	651	--	673	550	550

FIELD NAME Union 22-26N-9W

COUNTY Grand Traverse

LEASE NAME		TEST DATE			CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBC	CSG
State Union "0" 1-22		October 22, 1985					
7/78	196	6745	1539	--	1542	124	127

FIELD NAME Union 29-26N-9W

COUNTY Grand Traverse

LEASE NAME		TEST DATE			CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBC	CSG
State Union "S" 2-29		March 19, 1985					
12/80	10	6823	814	--	814	672	--

FIELD NAME Union 29A-26N-9W

COUNTY Grand Traverse

LEASE NAME		TEST DATE			CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBC	CSG
State Union "AH" 2-28		January 27, 1986					
1/86	43	6812	2674	.093	2680	2069	PKR

FIELD NAME Union 30-26N-9W

COUNTY Grand Traverse

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Union "X" 1C-30			September 22, 1985				
9/85	71	6674 TVD	2511	.087	2511	--	--

FIELD NAME Union 31A-26N-9W

COUNTY Grand Traverse

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Law Unit 1B-31			July 30, 1985				
1/83	72	6896 TVD	1601	--	1601	1270	1270

FIELD NAME Union 31B-26N-9W

COUNTY Grand Traverse

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Union "V" 3-31A			November 27, 1984				
1/84	--	7009 TVD	1747	.525	1747	1080	1040
State Union "V" 3-31A			December 29, 1985				
1/84	16.5	6931 TVD	737	.060	742	560	PKR

FIELD NAME Whitewater 20-27N-9W

COUNTY Grand Traverse

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Whitewater 2-21			September 10, 1984				
9/84	175	6101	1851	--	1849	1542	--
State Whitewater 3-21			December 21, 1984				
12/84	119	6139	1707	--	1700	1332	--
State Whitewater 1-16B			March 4, 1985				
3/85	38	6113 TVD	1778	.557	1767	405	--
State Whitewater "J" 5-20			August 8, 1985				
10/83		6162	1290	.485	1263	434	662
State Whitewater "J" 2-20			August 22, 1985				
3/82		6080	1269	.460	1256	85	729

FIELD NAME Whitewater 22-27N-9W

COUNTY Grand Traverse

LEASE NAME			TEST DATE		RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT					TBG	CSG
State Whitewater "H" 4-22			March 11, 1985							
12/78	70	6150	609	.006	609	512	--			
State Whitewater "I" 3-22			March 11, 1985							
2/78	71	6283	525	.568	487	240	395			
State Whitewater "E" 6-22			January 2, 1986							
1/86	39	6271	704	.092	699	563	82			

FIELD NAME Whitewater 28-27N-9W

COUNTY Grand Traverse

LEASE NAME			TEST DATE		RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT					TBG	CSG
State Whitewater 3-29A			September 26, 1985							
9/85	22 DA	6128 TVD	706	.25	696	580	3			

FIELD NAME Whitewater 32-27N-9W

COUNTY Grand Traverse

LEASE NAME			TEST DATE		RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT					TBG	CSG
State Whitewater 1-32			January 3, 1984							
5/74	69	6129	384	--	376	--	--			
LaFranier 1-29A			September 24, 1984							
9/84	61	6192 TVD	971	.535	932	63	946			

FIELD NAME Whitewater 36A-27N-9W

COUNTY Grand Traverse

LEASE NAME			TEST DATE		RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT					TBG	CSG
State Whitewater "F" 2-36			August 16, 1985							
5/76	17	6472	180	--	180	151	148			

FIELD NAME Blue Lake 2-28N-5W

COUNTY Kalkaska

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBC	CSG
State Blue Lake 1-2A			October 15, 1984				
6/84	112	6842 TVD	3262	--	3262	582	306

FIELD NAME Blue Lake 5A-28N-5W

COUNTY Kalkaska

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBC	CSG
State Blue Lake "N" 1-5			September 14, 1984				
10/81	53	6684 TVD	2120	.548	2107	1147	214
Snyder 1-6			January 20, 1986				
2/82	64	6652 TVD	1894	.518	1897	64	0

FIELD NAME Blue Lake 5-28N-5W

COUNTY Kalkaska

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBC	CSG
State Hayden 1-5			August 5, 1983				
9/78	6	6619	2027	--	2035	1122	1117
State Hayden 1-5A			December 14, 1985				
9/78	.5	6618 TVD	948	--	956	0	351

FIELD NAME Blue Lake 16-28N-5W

COUNTY Kalkaska

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBC	CSG
Simpson-State Blue Lake "C" 3-10			October 11, 1984				
10/80	17	7000	1819	--	1818	1200	285

FIELD NAME Blue Lake 16A-28N-5W COUNTY Kalkaska

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Blue Lake "G" 5-17			January 31, 1985				
7/79	26	7171	2361	.491	2339	1698	1698

FIELD NAME Blue Lake 16B-28N-5W COUNTY Kalkaska

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Simpson "X" 3-16			April 2, 1984				
11/83	43	6973	3409	.531	3574	1594	1664
Simpson "X" 3-16			February 28, 1986				
11/83	22	6972	2250	--	2406	1580	1750

FIELD NAME Blue Lake 17-28N-5W COUNTY Kalkaska

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Blue Lake "C" 1-17			March 20, 1985				
9/77	24	7128	1460	.117	1452	1162	--
State Blue Lake "G" 2-17			March 20, 1985				
9/77	22	7080	1456	.075	1453	1171	--
State Blue Lake "L" 3-17			April 17, 1986				
9/77	22	6865	324	.011	325	263	264

FIELD NAME Blue Lake 17A-28N-5W COUNTY Kalkaska

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Blue Lake "L" 3-17			February 5, 1985				
9/77	36	6865	478	.074	478	385	487

FIELD NAME Blue Lake 18-28N-5W

COUNTY Kalkaska

LEASE NAME			TEST DATE				
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE TBG CSG	
State Blue Lake "C" 8-17			December 3, 1984				
12/84	69	7110	2687	.582	2636	424	1479

FIELD NAME Blue Lake 18A-28N-5W

COUNTY Kalkaska

LEASE NAME			TEST DATE				
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE TBG CSG	
Ausable Trails 2-18			February 5, 1985				
7/77	62	6922 TVD	514	.204	506	363	PKR
East Big Twin Lake 4-18			February 5, 1985				
11/77	65	6766 TVD	506	.018	508	413	415
Taylor Group 6A-18			February 5, 1985				
6/79	64	6909 TVD	517	.033	516	415	392
West Big Twin Lake 5-18			February 5, 1985				
11/78	63	6782 TVD	503	.015	505	407	409
Ausable Trails 2-18			April 17, 1986				
7/77	--	6888 TVD	1159	.471	1158	--	--
East Big Twin Lake 4-18			April 17, 1986				
11/77	25	6766 TVD	331	.011	333	270	272
Taylor Group 6A-18			April 17, 1986				
7/79	23	6909 TVD	341	.044	340	273	272
West Big Twin Lake 5-18			April 17, 1986				
11/78	25	6783 TVD	332	.010	333	271	271

FIELD NAME Blue Lake 19A-28N-5W

COUNTY Kalkaska

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBC	CSG
State Blue Lake "G" 5A-19			May 26, 1986				
7/84	73	6958 TVD	3496	.148	3499	2729	2316

FIELD NAME Blue Lake 20-28N-5W

COUNTY Kalkaska

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBC	CSG
State Blue Lake "G" 1-20			July 15, 1985				
3/78	62	6925	1384	.287	1395	938	1112

FIELD NAME Blue Lake 23B-28N-5W

COUNTY Kalkaska

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBC	CSG
Bass Lake 1-23			August 13, 1985				
9/85	49	7234	2367	.170	2307	1869	--
Bass Lake 1-23			September 23, 1985				
9/85	334	7174	2094	.079	2071	1665	--

FIELD NAME Blue Lake 28A-28N-5W

COUNTY Kalkaska

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBC	CSG
Simpson "C" 2-28			May 7, 1985				
10/78	236	7338	277	--	277	223	94
Simpson "C" 2-28			February 18, 1986				
10/78	335	7338	195	--	187	160	124

FIELD NAME Blue Lake 29-28N-5W

COUNTY Kalkaska

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Mrs C J Simpson 1-29			November 16, 1984				
3/74	3	6930	835	.096	828	443	--
Mrs C J Simpson 1-29			February 19, 1986				
3/74	23	6930	609	--	588	510	--

FIELD NAME Blue Lake 32A-28N-5W

COUNTY Kalkaska

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Blue Lake "H" 2-32			November 26, 1984				
11/84	139	7429	4669	.163	4669	3732	PKR
State Blue Lake "H" 2-32			August 23, 1985				
11/84	167	7429	4410	.142	4410	3537	1182

FIELD NAME Blue Lake 33-28N-5W

COUNTY Kalkaska

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Simpson "C" 1-33			October 30, 1984				
12/71	191	7300	472	--	452	388	388

FIELD NAME Boardman 5B-26N-8W

COUNTY Kalkaska

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Boardman 2-5			February 4, 1985				
1/85	90	6811	3581	--	3581	2673	--

FIELD NAME Coldsprings 1-28N-6W COUNTY Kalkaska

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Coldsprings "C" 1-1			October 28, 1984				
10/73	75	6655	459	.015	459	385	350

FIELD NAME Coldsprings 10-28N-6W COUNTY Kalkaska

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Coldsprings-Osbourne 1-10C			November 1, 1984				
9/84	--	6655 TVD	2330	.261	2327	808	331

FIELD NAME Coldsprings 16-28N-6W COUNTY Kalkaska

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Gruebner 1-16A			September 18, 1984				
9/84	118	6667 TVD	3268	.320	3268	1363	--
Gruebner 1-16C			October 8, 1985				
9/85	256	6676 TVD	3237	--	3235	1366	1852
Messina-Simpson 1-10A			December 29, 1985				
12/85	141	6628 TVD	3126	.520	3146	1397	2427

FIELD NAME Coldsprings 19-28N-6W COUNTY Kalkaska

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Simpson "D" 1-19			March 7, 1985				
8/71	25	6600	1153	.540	1152	688	648
State Rapid River "E" 1-25			March 7, 1985				
6/73	26	6619	1161	.546	1148	630	641

FIELD NAME Coldsprings 20-28N-6W

COUNTY Kalkaska

LEASE NAME			TEST DATE			CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	TBC		CSG	
Yeulett 1-20			February 11, 1985					
11/71	73	6785	1095	.529	1066	686	690	
Yeulett 1-20			September 15, 1985					
11/71	72	4775	458	.554	NA	0	0	

FIELD NAME Coldsprings 21-28N-6W

COUNTY Kalkaska

LEASE NAME			TEST DATE			CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	TBC		CSG	
Simpson 1-28			October 17, 1984					
10/84	117	6820	1718	.300	1710	368	1137	
Simpson 1-28			January 2, 1985					
10/84	108	6800	1413	--	1411	834	1058	

FIELD NAME Coldsprings 24-28N-6W

COUNTY Kalkaska

LEASE NAME			TEST DATE			CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	TBC		CSG	
Fawcett 2A-13			August 29, 1983					
8/83	64	6796 TVD	3524	.326	3467	1725	--	
Little Twin 1-13B			March 10, 1985					
11/82	64	6779 TVD	2787	.560	2701	1263	--	
Fawcett 1-24			July 15, 1985					
4/74	--	6980	2808	--	2659	--	--	

FIELD NAME Coldsprings 25-28N-6W

COUNTY Kalkaska

LEASE NAME			TEST DATE			CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	TBC		CSG	
Simpson "W" 4-25			November 17, 1984					
9/78	3	7144 TVD	1103	--	1087	1100	--	

FIELD NAME Coldsprings 29-28N-6W

COUNTY Kalkaska

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Simpson "L" 2-29			September 19, 1985				
9/76	48	6955 TVD	661	--	653	531	536

FIELD NAME Coldsprings 29A-28N-6W

COUNTY Kalkaska

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Sedewarft-Lafargey 4-29			February 15, 1985				
1/78	242	6908	949	.518	924	455	--

FIELD NAME Coldsprings 30A-28N-6W

COUNTY Kalkaska

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Coldsprings 4-30B			March 10, 1986				
3/86	104	6722 TVD	3528	.36	3528	1558	--

FIELD NAME Coldsprings 32-28N-6W

COUNTY Kalkaska

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Short-State Coldsprings 1-32			February 8, 1985				
10/76	69	6874 TVD	2046	.560	2046	1218	--
Short-State Coldsprings 1-32			February 9, 1986				
10/76	46	6899 TVD	1584	.397	1574	699	726

FIELD NAME Excelsior 7A-27N-6W COUNTY Kalkaska

LEASE NAME			TEST DATE				
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE TBC CSG	
State Excelsior-Lawrence 3-7A			May 16, 1985				
5/85	156	7101 TVD	3691	--	3691	2882	--

FIELD NAME Excelsior 18-27N-6W COUNTY Kalkaska

LEASE NAME			TEST DATE				
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE TBC CSG	
Doe 2-18B			May 20, 1985				
5/85	66	7132 TVD	3794	--	3794	2923	--

FIELD NAME Kalkaska 3B-27N-7W COUNTY Kalkaska

LEASE NAME			TEST DATE				
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE TBC CSG	
State Kalkaska 2-3			January 21, 1985				
1/85	65	6628	1464	--	1466	1199	--

FIELD NAME Kalkaska 11A-27N-7W COUNTY Kalkaska

LEASE NAME			TEST DATE				
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE TBC CSG	
State Kalkaska 4-11A			August 23, 1985				
8/85	69	6916 TVD	3472	--	3472	2603	--

FIELD NAME Kalkaska 14-27N-7W

COUNTY Kalkaska

LEASE NAME			TEST DATE					CALCULATED		SHUT IN SURFACE	
WELL	SHUT IN	RECORDED	RECORDED	FLUID	CALCULATED	SHUT IN SURFACE					
COMP	TIME	DEPTH	PRESSURE	GRADIENT	PRESSURE AT	TBC	CSG				
DATE	(HRS)	(FEET)	(PSIG)	LOWER 100 FT	DATUM (PSIG)						
Meier 1-14			February 13, 1985								
6/80	242	6806 TVD	801	.256	801	610	--				
Meier 1-14			December 13, 1985								
6/80	--	6958 TVD	1968	--	1929	1518	--				

FIELD NAME Kalkaska 16A-27N-7W

COUNTY Kalkaska

LEASE NAME			TEST DATE					CALCULATED		SHUT IN SURFACE	
WELL	SHUT IN	RECORDED	RECORDED	FLUID	CALCULATED	SHUT IN SURFACE					
COMP	TIME	DEPTH	PRESSURE	GRADIENT	PRESSURE AT	TBC	CSG				
DATE	(HRS)	(FEET)	(PSIG)	LOWER 100 FT	DATUM (PSIG)						
Henderson 1-16			August 24, 1985								
10/73	22	6639 TVD	680	.018	681	563	PKR				

FIELD NAME Kalkaska 23A-27N-7W

COUNTY Kalkaska

LEASE NAME			TEST DATE					CALCULATED		SHUT IN SURFACE	
WELL	SHUT IN	RECORDED	RECORDED	FLUID	CALCULATED	SHUT IN SURFACE					
COMP	TIME	DEPTH	PRESSURE	GRADIENT	PRESSURE AT	TBC	CSG				
DATE	(HRS)	(FEET)	(PSIG)	LOWER 100 FT	DATUM (PSIG)						
Meier 2A-23			January 14, 1985								
1/85	94	6998 TVD	2920	.268	2920	2188	--				
Meier 2A-23			October 16, 1985								
1/85	185	6998 TVD	1185	--	1185	951	373				

FIELD NAME Kalkaska 9-27N-8W

COUNTY Kalkaska

LEASE NAME			TEST DATE					CALCULATED		SHUT IN SURFACE	
WELL	SHUT IN	RECORDED	RECORDED	FLUID	CALCULATED	SHUT IN SURFACE					
COMP	TIME	DEPTH	PRESSURE	GRADIENT	PRESSURE AT	TBC	CSG				
DATE	(HRS)	(FEET)	(PSIG)	LOWER 100 FT	DATUM (PSIG)						
Coe 1-9			September 30, 1984								
10/84	23	6311	3282	.440	3282	1260	1265				

FIELD NAME Kalkaska 10-27N-8W

COUNTY Kalkaska

LEASE NAME			TEST DATE				
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE TBG CSG	
State Kalkaska 3-10			October 2, 1984				
2/81	25	6495	1732	.260	1726	1394	1392
State Kalkaska 1-16A			March 11, 1985				
1/79	--	6488 TVD	1301	.199	1305	--	236
State Kalkaska 1-10			April 6, 1985				
3/78	72	6501	1410	.040	1410	1161	1110
State Kalkaska 3-10			August 30, 1985				
2/81	73	6437	1636	.333	1648	1168	1340

FIELD NAME Kalkaska 11-27N-8W

COUNTY Kalkaska

LEASE NAME			TEST DATE				
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE TBG CSG	
Broadwell-Hulsapple 1-11A			March 22, 1985				
7/73	--	6350 TVD	1265	.491	1314	0	0

FIELD NAME Kalkaska 13-27N-8W

COUNTY Kalkaska

LEASE NAME			TEST DATE				
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE TBG CSG	
State Kalkaska 2-14			August 28, 1985				
12/83	25	6536	1961	.070	1959	1577	1558
State Kalkaska 4-13			May 22, 1986				
7/82	25	6504	1836	.290	1826	1435	1441

FIELD NAME Kalkaska 19-27N-8W

COUNTY Kalkaska

LEASE NAME			TEST DATE				
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE TBG CSG	
State Kalkaska 2-19B			March 15, 1985				
10/76	--	6457 TVD	1006	.153	1022	0	0

FIELD NAME Kalkaska 20-27N-8W

COUNTY Kalkaska

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
USA-Kalkaska 1-20			March 18, 1985				
1/76	14	6422	399	.375	399	0	--

FIELD NAME Kalkaska 20A-27N-8W

COUNTY Kalkaska

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
USA-Kalkaska 3-20			May 21, 1985				
10/81	--	6444	1036	.322	1039	0	0

FIELD NAME Kalkaska 21-27N-8W (Resr A)

COUNTY Kalkaska

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Kalkaska 1-22			March 27, 1985				
1/72	25	6544	2023	.333	2032	1600	1685
State Kalkaska 8-22			June 3, 1985				
6/85	62	6688	2037	.305	2016	--	--
State Kalkaska 5-22			July 11, 1985				
12/83	23	6639	1992	.100	2100	1575	1602
State Kalkaska 1-22			August 21, 1985				
1/72	26	6485	1906	.283	1916	1384	1578

FIELD NAME Kalkaska 21-27N-8W (Resr B)

COUNTY Kalkaska

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Kalkaska 3-22			March 8, 1985				
7/72	6	6602	1400	.040	1400	1149	1143

FIELD NAME Kalkaska 21-27N-8W (Resr C) COUNTY Kalkaska

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Kalkaska 7-22A			January 25, 1985				
1/85	50	6613 TVD	1299	.308	1296	601	912
State Kalkaska 7-22A			December 17, 1985				
1/85	194	6661	1023	.025	1022	848	850

FIELD NAME Kalkaska 21-27N-8W (Resr D/E) COUNTY Kalkaska

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Kalkaska 1-27			May 22, 1985				
5/85	120	6667	1785	--	1780	--	--
State Kalkaska 5-28			December 27, 1985				
11/85	503	6662	664	.400	641	187	407
State Kalkaska 1-27			May 22, 1986				
5/85	25	6671	1750	.540	1719	1025	1344

FIELD NAME Kalkaska 22-27N-8W COUNTY Kalkaska

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Kalkaska 8-22			May 29, 1986				
6/85	25	6689	1959	.520	1955	1426	1235

FIELD NAME Kalkaska 24-27N-8W COUNTY Kalkaska

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Kalkaska "F" 1-24			February 15, 1985				
7/73	73	6622	1583	.272	1573	626	--
State Kalkaska "F" 2-24			February 15, 1985				
5/80	71	6638	1589	.421	1569	1230	1230
State Kalkaska "F" 1-24			February 28, 1986				
7/73	125	6622	1458	--	1447	852	1165

FIELD NAME Kalkaska 25-27N-8W

COUNTY Kalkaska

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Kalkaska "B" 4A-25			October 22, 1984				
10/84	--	6810 TVD	1420	.050	1408	1138	368
State Kalkaska "B" 4A-25			October 15, 1985				
10/84	73	6810 TVD	1024	.040	1014	828	PKR

FIELD NAME Kalkaska 26-27N-8W

COUNTY Kalkaska

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Kalkaska "C" 1-26			February 7, 1985				
8/73	133	6810	1136	.470	1073	638	635

FIELD NAME Kalkaska 27-27N-8W

COUNTY Kalkaska

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Kalkaska "W" 1-27			March 17, 1986				
4/86	117	6855	2436	--	2436	585	PKR
State Kalkaska "W" 1-27			April 15, 1986				
4/86	24	6855	2684	.584	2684	161	0

FIELD NAME Kalkaska 29-27N-8W

COUNTY Kalkaska

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Kalkaska 3-29A			December 26, 1984				
2/82	91	6502 TVD	1568	.560	1614	386	PKR

FIELD NAME Kalkaska 30-27N-8W

COUNTY Kalkaska

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
USA-State Kalkaska 1-30			April 4, 1985				
2/74	25	6480 TVD	1035	.029	1036	860	859

FIELD NAME Kalkaska 31-27N-8W

COUNTY Kalkaska

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Kalkaska "Q" 2A-31			February 26, 1984				
2/84	92	6722 TVD	3331	.383	3328	1661	1811
State Kalkaska "Q" 2A-31			August 31, 1985				
2/84	--	6722 TVD	1684	--	1681	1010	1317
State Kalkaska "Q" 2A-31			December 12, 1985				
2/84	--	3721 TVD	1467	--	1464	248	1166

FIELD NAME Rapid River 5-28N-7W

COUNTY Kalkaska

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Biehl-State Rapid River 3-5A			July 12, 1984				
7/84	2	5810	2109	.542	2132	708	709

FIELD NAME Rapid River 24-28N-7W

COUNTY Kalkaska

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Simpson "P" 3A-19			March 7, 1985				
7/78	23	6643 TVD	1124	.042	1123	926	0
State Rapid River "C" 1-26			March 7, 1985				
5/71	23	6616	968	.319	964	741	1221
State Rapid River 1-24			March 7, 1985				
6/71	27	6612	990	.554	990	115	652
State Coldsprings "B" 2-19			June 7, 1985				
5/85	69	6698 TVD	1094	.552	1051	116	660

FIELD NAME Rapid River 27A-28N-7W COUNTY Kalkaska

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Rabourn 1-34			September 18, 1985				
4/74	52	6540	900	--	927	726	731

FIELD NAME Rapid River 28-28N-7W COUNTY Kalkaska

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Dorman 1-28 (Petrostar Energy)			March 4, 1986				
2/86	--	6233	3137	--	3137	--	--
Dorman 1-28 (Petrostar Energy)			May 13, 1986				
2/86	1647	6233	2734	.130	2734	2119	--

FIELD NAME Rapid River 32-28N-7W COUNTY Kalkaska

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Dorman 1-28 (Geoseis Inc)			August 22, 1984				
6/84	--	6471 TVD	664	--	662	664	580
State Rapid River "J" 1-28			April 21, 1986				
5/79	21	6357	279	.011	280	214	0

FIELD NAME Bear Lake 3-23N-15W COUNTY Manistee

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Randall-Thompson 1-3			May 28, 1985				
5/85	114	4562 TVD	2250	.160	2250	1920	--

FIELD NAME Bear Lake 3A-23N-15W

COUNTY Manistee

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Gressler 1-3B			January 29, 1986				
2/86	--	4364 TVD	2138	.554	2138	439	1049

FIELD NAME Bear Lake 11-23N-15W

COUNTY Manistee

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Fruit Haven Nursery 1-12A			October 7, 1985				
9/85	434	4848 TVD	1783	.054	1778	1529	--
Fruit Haven Nursery 1-12A			October 18, 1985				
9/85	64	4848 TVD	974	--	947	--	--

FIELD NAME Bear Lake 14-23N-15W

COUNTY Manistee

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Nystrom 1-14			October 14, 1984				
10/84	71	4665	2436	--	2436	1169	1314
Nystrom 114			January 11, 1985				
10/84	69	4665	2290	.292	2290	1054	1889
Nystrom 1-14			September 12, 1985				
10/84	67	4665	2093	.286	2093	1346	1754

FIELD NAME Bear Lake 22-23N-15W

COUNTY Manistee

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
PCA "A" 1-22			April 14, 1986				
10/74	23	4556 TVD	299	.016	298	260	0

FIELD NAME Bear Lake 24-23N-15W COUNTY Manistee

LEASE NAME			TEST DATE		RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	TEST DATE	RECORDED PRESSURE (PSIG)	TBG					CSG	
Maidens 1-18			June 4, 1985							
6/85	22	4703	1124	--		1137	970	PKR		
Cline 1-24			June 7, 1986							
6/86	45	4798 TVD	1005	.031		1006	869	PKR		

FIELD NAME Bear Lake 27A-23N-15W COUNTY Manistee

LEASE NAME			TEST DATE		RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	TEST DATE	RECORDED PRESSURE (PSIG)	TBG					CSG	
Larsen 1-28			July 14, 1982							
7/82	13	4552	857	.322		825	167	530		

FIELD NAME Bear Lake 28-23N-15W COUNTY Manistee

LEASE NAME			TEST DATE		RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	TEST DATE	RECORDED PRESSURE (PSIG)	TBG					CSG	
Briske 1-28A			October 15, 1985							
10/84	63	4571 TVD	544	.510		496	156	--		

FIELD NAME Bear Lake 32-23N-15W COUNTY Manistee

LEASE NAME			TEST DATE		RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	TEST DATE	RECORDED PRESSURE (PSIG)	TBG					CSG	
Ursum 1-33			December 26, 1983							
12/83	63	4665	1349	--		1337	--	--		

FIELD NAME Bear Lake 35A-23N-15W

COUNTY Manistee

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Village of Chief 1-35			February 12, 1984				
2/84	18	5173 TVD	2542	.100	2542	2112	--

FIELD NAME Brown 7A-22N-15W

COUNTY Manistee

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Roberts 5-7			May 16, 1985				
5/85	13	4660	1836	.295	1819	463	--

FIELD NAME Brown 5-22N-15W

COUNTY Manistee

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Hansen 1-5			September 5, 1985				
10/78	24	4622	1263	.594	1227	899	1094

FIELD NAME Brown 7B-22N-15W

COUNTY Manistee

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Krause 1-7			March 20, 1986				
11/85	2471	4715 TVD	2443	.072	2443	2059	--

FIELD NAME Brown 8A-22N-15W

COUNTY Manistee

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Schoedel 6-7			October 3, 1985				
9/85	21	4706	2403	.28	2403	1969	0

FIELD NAME Cleon 13A-24N-13W

COUNTY Manistee

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Geniac 5-13A			September 4, 1984				
8/84	119	5855 TVD	1793	--	1810	--	--

FIELD NAME Brown 18-22N-15W

COUNTY Manistee

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Miller-Lyman 1-18B			November 23, 1984				
11/84	45	4703 TVD	2442	.100	2442	2057	--

FIELD NAME Cleon 22-24N-13W

COUNTY Manistee

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Griner 2-21			April 18, 1985				
9/78	72	5312	638	.020	641	549	556
Thompson 1			April 29, 1985				
10/75	1	5473	1208	.040	1208	1015	1027
Griner 2-21			May 22, 1986				
9/78	72	5312	587	.015	589	505	511

FIELD NAME Cleon 23-24N-13W

COUNTY Manistee

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Drobena 2-23A			January 28, 1985				
5/80	75	5753 TVD	1114	.177	1115	97	--

FIELD NAME Cleon 26-24N-13W

COUNTY Manistee

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
PCA "C" 1-26			March 25, 1985				
2/76	21	5567 TVD	85	--	85	55	65

FIELD NAME Cleon 24A-24N-13W

COUNTY Manistee

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Cleon-Fraser 3-24A			February 6, 1985				
1/85	135	5981 TVD	2765	.310	2765	1306	--

FIELD NAME Cleon 29-24N-13W

COUNTY Manistee

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Federal Land Bank 1-29C			September 13, 1985				
3/83	24	5528 TVD	424	.015	426	364	372

FIELD NAME Cleon 31-24N-13W

COUNTY Manistee

LEASE NAME			TEST DATE			CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	TBG		CSG	
Kelly-Cutler 1-32			September 4, 1985					
2/79	22	5555	1286	.330	1221	853	1095	

FIELD NAME Cleon 32B-24N-13W

COUNTY Manistee

LEASE NAME			TEST DATE			CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	TBG		CSG	
Cutler-Kelly 2-32A			August 6, 1984					
7/84	71	5565 TVD	1682	.300	1662	745	1357	

FIELD NAME Filer 1-21N-17W

COUNTY Manistee

LEASE NAME			TEST DATE			CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	TBG		CSG	
State Manistee 1-1A			January 8, 1985					
12/80	--	3872 TVD	862	.047	879	793	--	
State Manistee 1-1A			June 3, 1985					
12/80	--	3872 TVD	807	.304	818	388	755	
State Manistee 1-1A			January 2, 1986					
12/80	--	3872 TVD	1062	.478	1079	128	--	

FIELD NAME Filer 2-21N-17W			COUNTY Manistee					
LEASE NAME			TEST DATE		RECORDED DEPTH (FEET)	CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT			TBG	CSG
Bullis 1-1			January 7, 1985					
1/85	49	3874 TVD	1624	.320	1612	1418	1411	
State Manistee 1-2			January 7, 1985					
1/79	--	3903 TVD	1697	.190	1682	1424	1423	
State Manistee 2-2			January 7, 1985					
2/79	--	3904 TVD	1648	.110	1639	1419	1422	
Bullis 1-1			June 3, 1985					
1/85	--	3874 TVD	1565	.460	1548	1362	1363	
State Manistee 1-2			June 3, 1985					
1/79	--	3903 TVD	1625	.181	1611	1367	1370	
State Manistee 2-2			June 3, 1985					
2/79	--	3904 TVD	1581	.151	1569	1363	1369	
State Filer 1-1			August 28, 1985					
8/85	46	3826 TVD	1510	.029	1510	1336	--	
Bullis 1-1			January 2, 1986					
1/85	2	3874 TVD	1471	.050	1469	1285	1281	
State Manistee 1-2			January 2, 1986					
1/79	--	3903 TVD	1531	.174	1517	1285	1286	
State Manistee 2-2			January 2, 1986					
2/79	2	3904 TVD	1487	.151	1475	1280	1288	

FIELD NAME Filer 2A-21N-17W			COUNTY Manistee							
LEASE NAME			TEST DATE		RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT					TBG	CSG
State Manistee 3-2A			January 8, 1985							
6/79	--	3818 TVD	1470	.035	1470	1295	1287			
State Manistee 3-2A			June 3, 1985							
6/79	--	3818 TVD	1450	.035	1450	1289	1280			
State Manistee 3-2A			January 2, 1986							
6/79	--	3818 TVD	1421	.032	1421	1258	1243			

FIELD NAME Filer 32-21N-17W			COUNTY Manistee							
LEASE NAME			TEST DATE		RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT					TBG	CSG
Lakeland Assoc-State 1-32			June 30, 1985							
6/85	40	4027 TVD	2103	.065	2103	1859	902			

FIELD NAME Filer 33-21N-17W

COUNTY Manistee

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Lakeiland Association 1-33			October 15, 1984				
10/84	60	3843 TVD	2077	--	2090	--	--
Lakeiland Association-State 2-33A			June 26, 1985				
6/85	20	3775 TVD	2099	.060	2110	1856	--

FIELD NAME Manistee 8-21N-16W

COUNTY Manistee

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Murray-State 1-8			July 3, 1984				
6/84	114	3969	2102	.072	2102	1824	--

FIELD NAME Manistee 1-22N-16W

COUNTY Manistee

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Manistee 7-1			January 21, 1985				
1/85	43	4658	1831	--	1811	740	10

FIELD NAME Manistee 2C-22N-16W

COUNTY Manistee

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Hadaway 1-2			January 7, 1985				
10/83	--	4200	1247	.530	1221	231	--

FIELD NAME Manistee 4-22N-16W

COUNTY Manistee

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Falk 1-4B			July 5, 1985				
6/85	72	4015 TVD	1667	.560	1818	411	--

FIELD NAME Manistee 16A-22N-16W

COUNTY Manistee

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Hamlock 2-16			March 11, 1984				
3/84	45	4039	1917	.330	1917	812	--
Hamlock 2-16			August 31, 1984				
3/84	48	4039	1638	.350	1638	838	--
Hamlock 2-16			April 25, 1985				
3/84	--	4039	1118	.540	1118	0	--

FIELD NAME Manistee 12B-22N-16W

COUNTY Manistee

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Pearson-Thieman 1-12A			May 6, 1985				
11/83	71	4646 TVD	1302	.306	1302	1047	952

FIELD NAME Manistee 17-22N-16W

COUNTY Manistee

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Commerce Investment 1-8			June 9, 1985				
5/85	74	3924 TVD	1259	.320	1291	7	--

FIELD NAME Manistee 24-22N-16W COUNTY Manistee

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Adamczak 1-24			October 18, 1984				
10/84	19	4697	1519	--	1502	1167	1289

FIELD NAME Manistee 25-22N-17W COUNTY Manistee

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Manistee 2-25A			March 26, 1984				
6/84	28	4003 TVD	1452	--	1470	--	--
Johnson-State Manistee 4-25			July 24, 1985				
7/85	46	3940 TVD	1164	.340	1185	391	35

FIELD NAME Manistee 36-22N-17W COUNTY Manistee

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Manistee 1-36			January 7, 1985				
6/79	--	3878 TVD	1659	.439	1659	1161	1525
State Manistee 2-36			January 7, 1985				
6/79	--	3881 TVD	2162	.526	2160	764	918
State Manistee 3-36			January 7, 1985				
11/82	--	3868 TVD	2177	.063	2178	1941	1580
State Manistee 1-36			June 3, 1985				
6/79	3	3833 TVD	1329	.427	1348	612	598
State Manistee 2-36			June 3, 1985				
6/79	4	3881 TVD	1765	.122	1765	1557	1560
State Manistee 3-36			June 3, 1985				
11/82	--	3877 TVD	1774	.052	1774	1581	1580
State Manistee 1-36			January 2, 1986				
6/79	2	3833 TVD	2009	.437	2020	81	--
State Manistee 3-36			January 2, 1986				
11/82	2	3877 TVD	1826	.492	1826	184	--

FIELD NAME Manistee 36A-22N-17W

COUNTY Manistee

LEASE NAME		TEST DATE			CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Fox-Brown 5-36		February 19, 1986					
2/86	57	3901	1096	.222	1170	339	--

FIELD NAME Maple Grove 8-23N-14W

COUNTY Manistee

LEASE NAME		TEST DATE			CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Dee1 1-8		September 26, 1985					
9/85	22	4938	1317	.327	1310	376	542

FIELD NAME Maple Grove 4-23N-14W

COUNTY Manistee

LEASE NAME		TEST DATE			CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
PCA-Clark 1-4		April 22, 1984					
5/84	48	5008	1150	.112	1140	924	--
PCA-Clark 1-4		May 6, 1984					
5/84	23	5008	1427	.310	1400	1128	1240

FIELD NAME Maple Grove 10A-23N-14W

COUNTY Manistee

LEASE NAME		TEST DATE			CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Schrader 1-10		April 16, 1985					
10/83	24	5193	1592	.150	1577	1335	1346
Schrader 2-10		May 20, 1986					
6/86	146	5200	1353	.308	1322	688	PKR

FIELD NAME Maple Grove 16-23N-14W COUNTY Manistee

LEASE NAME			TEST DATE		RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)			TBG					CSG	
Harju 1-16			February 21, 1984							
2/84	--	5088			1753	--	1747	--	--	

FIELD NAME Maple Grove 30A-23N-14W COUNTY Manistee

LEASE NAME			TEST DATE		RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)			TBG					CSG	
Gustafson 2-30B			August 3, 1985							
8/85	38	4927 TVD			2559	.110	2559	2065	--	

FIELD NAME Maple Grove 20-23N-14W COUNTY Manistee

LEASE NAME			TEST DATE		RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)			TBG					CSG	
Marshall Enterprises 6-19			April 18, 1985							
4/85	2.3	4801 TVD			1867	.47	1959	160	--	
State Maple Grove 2-20			April 29, 1985							
2/82	8	5010			2395	.10	2394	1958	--	
State Maple Grove 7-19A			February 8, 1986							
2/86	42	5022 TVD			2345	.290	2338	1224	--	

FIELD NAME Onekama 24A-23N-16W COUNTY Manistee

LEASE NAME			TEST DATE		RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)			TBG					CSG	
Short 1-24A			March 19, 1984							
6/84	--	4357 TVD			1889	.551	1899	521	936	
Short 1-24A			May 2, 1984							
6/84	48	4357 TVD			1793	.316	1799	1293	1528	
Brown 1-25			August 11, 1984							
8/84	116.5	4176 TVD			1943	.308	1945	1195	1324	
French 1-26			January 21, 1985							
12/84	61	4194 TVD			1929	.383	1916	766	1008	

FIELD NAME Onekama 24B-23N-16W

COUNTY Manistee

LEASE NAME			TEST DATE					CALCULATED		SHUT IN SURFACE	
WELL	SHUT IN	RECORDED	RECORDED	FLUID					TBC	CSG	
COMP	TIME	DEPTH	PRESSURE	GRADIENT			PRESSURE AT				
DATE	(HRS)	(FEET)	(PSIG)	LOWER 100 FT			DATUM (PSIG)				
Kataja 1-24			June 11, 1984								
4/83	70	4421	1888	.059			1888	1621	1671		

FIELD NAME Springdale 25A-24N-14W

COUNTY Manistee

LEASE NAME			TEST DATE					CALCULATED		SHUT IN SURFACE	
WELL	SHUT IN	RECORDED	RECORDED	FLUID					TBC	CSG	
COMP	TIME	DEPTH	PRESSURE	GRADIENT			PRESSURE AT				
DATE	(HRS)	(FEET)	(PSIG)	LOWER 100 FT			DATUM (PSIG)				
State Springdale 1-25			November 14, 1985								
11/85	68	5106	1682	.321			1682	624	581		

FIELD NAME Pleasanton 25-24N-15W

COUNTY Manistee

LEASE NAME			TEST DATE					CALCULATED		SHUT IN SURFACE	
WELL	SHUT IN	RECORDED	RECORDED	FLUID					TBC	CSG	
COMP	TIME	DEPTH	PRESSURE	GRADIENT			PRESSURE AT				
DATE	(HRS)	(FEET)	(PSIG)	LOWER 100 FT			DATUM (PSIG)				
State Pleasanton 1-25			March 4, 1986								
2/86	96	4505 TVD	1177	.450			1177	0	0		

FIELD NAME Springdale 26-24N-14W

COUNTY Manistee

LEASE NAME			TEST DATE					CALCULATED		SHUT IN SURFACE	
WELL	SHUT IN	RECORDED	RECORDED	FLUID					TBC	CSG	
COMP	TIME	DEPTH	PRESSURE	GRADIENT			PRESSURE AT				
DATE	(HRS)	(FEET)	(PSIG)	LOWER 100 FT			DATUM (PSIG)				
State Springdale 4-26A			September 25, 1985								
9/85	--	5114	1623	.304			1623	1044	--		

FIELD NAME Springdale 34A-24N-14W

COUNTY Manistee

LEASE NAME			TEST DATE			CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	TBG		CSG	
State Springdale 6-34A			November 31, 1984					
12/84	48	4997 TVD	816	--	816	--	--	
State Springdale 6-34A			December 18, 1984					
12/84	42	4889 TVD	787	--	798	700	0	

FIELD NAME Amber 6-18N-17W

COUNTY Mason

LEASE NAME			TEST DATE			CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	TBG		CSG	
Weinert 1-6			July 12, 1985					
12/85	23	4165	2123	.560	1715	--	--	

FIELD NAME Grant 32-20N-17W

COUNTY Mason

LEASE NAME			TEST DATE			CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	TBG		CSG	
Carnage1 1-32			June 8, 1985					
6/85	43	4661	2240	.120	2240	1864	--	

FIELD NAME Vienna 17-30N-1E

COUNTY Montmorency

LEASE NAME			TEST DATE			CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	TBG		CSG	
Rosen Trust 1-17E			October 11, 1985					
10/85	--	6037 TVD	3356	.513	3356	1540	PKR	
Rosen Trust 1-17E			November 11, 1985					
10/85	--	6037 TVD	3238	.294	3238	1627	PKR	
Rosen Trust 1-17E			January 6, 1986					
10/85	--	6037 TVD	2513	.286	2513	2004	PKR	
Rosen Trust 1-17E			May 31, 1986					
11/85	92	6038 TVD	1270	--	1290	1066	PKR	

FIELD NAME Vienna 30-30N-1E

COUNTY Montmorency

LEASE NAME			TEST DATE			CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	TBG		CSG	
Mathews 1-30			October 9, 1984					
1/83	38	6251 TVD	2392	.285	2400	1421	1791	
Mathews 1-30			August 13, 1985					
1/83	1	6090 TVD	2039	.518	2137	0	--	
Mathews 1-30			August 14, 1985					
1/83	1	5866 TVD	1924	.416	2096	0	--	

FIELD NAME Bagley 11-30N-3W

COUNTY Otsego

LEASE NAME			TEST DATE			CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	TBG		CSG	
Janik-Mackowiac 1-11			September 15, 1984					
9/84	76	5856 TVD	1905	--	1908	581	1206	
Daughters of Friel 2-11			November 18, 1984					
10/84	70	5856 TVD	1899	.265	1899	594	--	
Janik-Stevens 3-11			November 18, 1984					
11/84	74	5898 TVD	1917	.283	1907	651	619	

FIELD NAME Bagley 23-30N-3W

COUNTY Otsego

LEASE NAME			TEST DATE			CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT	TBG		CSG	
Yule King Tree 1-14			October 19, 1985					
10/85	72	5879	1549	.512	1541	306	275	
Stevens-State Bagley 1-22			January 23, 1986					
1/86	65.5	6032	2017	--	1976	676	1175	
Stevens-State Bagley 1-22			February 10, 1986					
1/86	87	6032	1627	.281	1586	619	1068	
Janik-Strappazon 3-14			March 12, 1986					
2/86	6	5865	1589	.315	1587	560	609	
Wruble 4-14A			May 7, 1986					
4/86	4	5908 TVD	1644	--	1632	450	483	
Glasser 1-14B			June 11, 1986					
5/86	67	5871 TVD	1573	--	1573	--	--	

FIELD NAME Bagley 25-30N-3W COUNTY Otsego

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Bagley "A" 2-25			November 16, 1984				
4/72	361	6103	654	--	659	0	0
Chester-State Bagley "A" 1A-30			March 21, 1986				
3/86	148	6073 TVD	618	.310	634	111	PKR

FIELD NAME Bagley 25A-30N-3W COUNTY Otsego

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Bagley "A" 1-25			February 20, 1986				
5/72	97	6080	492	.03	492	390	391

FIELD NAME Bagley 35-30N-3W COUNTY Otsego

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Geraldine 4-35			June 22, 1985				
6/85	86	6301 TVD	805	.314	756	206	50

FIELD NAME Charlton 6-29N-1W COUNTY Otsego

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Charlton 2-6A			September 23, 1985				
9/85	81	5999 TVD	3003	--	3333	--	--

FIELD NAME Charlton 8-29N-1W

COUNTY Otsego

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Allen Park 1-8			June 25, 1984				
6/84	66	6428	3307	.320	3307	1625	--
Allen Park 1-8			August 27, 1984				
6/84	3	6428	3359	--	3359	--	--

FIELD NAME Charlton 6-30N-1W

COUNTY Otsego

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Zeimet-Higgins-St Charlton 1-6			April 16, 1985				
2/82	25	5866	1814	.300	1811	1135	1465
Zeimet-Higgins-St Charlton 1-6			May 15, 1986				
2/82	2	5866	1495	.310	1491	600	1249

FIELD NAME Charlton 4-30N-1W

COUNTY Otsego

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Charlton 1-4A			July 23, 1985				
8/85	49	6037 TVD	3148	.360	3265	1470	1005
State Charlton 1-4A			August 24, 1985				
8/85	67	6037 TVD	2789	.350	2903	1222	--

FIELD NAME Charlton 31-30N-1W

COUNTY Otsego

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Chester "W" 2-36			February 3, 1986				
2/86	36	6301	1192	.053	1188	978	PKR

FIELD NAME Charlton 7-31N-1W

COUNTY Otsego

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
E1 Mac Hills 1-8			June 5, 1985				
6/85	40	5002 TVD	1700	--	1674	300	--

FIELD NAME Charlton 27-31N-1W

COUNTY Otsego

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Marstrand 1-27			May 2, 1980				
5/72	24	5200	1285	.300	1285	950	1160
Marstrand 1-27			November 17, 1984				
5/72	64	5200	785	.245	785	640	--
Marstrand 1-27			November 18, 1985				
5/72	99	5180	711	.044	712	611	--

FIELD NAME Charlton 10-31N-1W

COUNTY Otsego

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State North Charlton 1-10			February 25, 1985				
4/81	67	5132	1838	--	1855	1545	--

FIELD NAME Charlton 28A-31N-1W

COUNTY Otsego

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Charlton "A" 4-28			April 13, 1984				
8/84	62	5362 TVD	601	--	555	121	403
State Charlton "A" 4-28			September 5, 1984				
8/84	12	5247 TVD	994	--	1170	180	33

FIELD NAME Charlton 34-31N-1W

COUNTY Otsego

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Marstrand 1-34			November 17, 1984				
9/74	69	5450	1491	.300	1506	998	914
Marstrand 2-34			November 17, 1984				
9/78	68	5250	883	.324	954	480	--
Marstrand 4-34			July 20, 1985				
7/85	22	5576	1653	.385	1603	473	--
State Charlton 3-33			November 4, 1985				
10/85	69	5650	1600	--	1546	140	--
Marstrand 1-34			November 18, 1985				
9/74	95	5450	1165	.311	1181	812	1009
Marstrand 2-34			November 18, 1985				
9/78	99	5250	895	.332	968	514	--
Marstrand 4-34			November 18, 1985				
7/85	97	5530	1604	.317	1577	389	304

FIELD NAME Chester 3-29N-2W

COUNTY Otsego

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Chester 6-3B			December 15, 1984				
1/85	112	6260 TVD	3053	.300	3111	1459	--

FIELD NAME Chester 12-29N-2W

COUNTY Otsego

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Gelow 1-12			January 26, 1986				
1/86	82	6083	3231	.125	3231	2486	--
Gelow 2-12			March 13, 1986				
3/86	52	6100	3240	.150	3235	2485	--

FIELD NAME Chester 19-30N-2W

COUNTY Otsego

LEASE NAME		TEST DATE			CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Pewinski 1-19		October 1, 1984					
10/71	72	6111	1279	.324	1259	538 538	
Pewinski 1-19		August 1, 1985					
10/71	92	6098	1265	.332	1249	951 --	

FIELD NAME Chester 26-30N-2W

COUNTY Otsego

LEASE NAME		TEST DATE			CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Chester "V" 3A-26		June 21, 1985					
5/85	3	6113 TVD	3249	.266	3249	1580 430	

FIELD NAME Chester 23-30N-2W

COUNTY Otsego

LEASE NAME		TEST DATE			CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Strale 1-23C		October 19, 1984					
11/84	13	6239 TVD	1155	--	1139	618 --	
Strale 1-23F		September 2, 1985					
9/85	69	6169	1156	.148	1169	945 --	

FIELD NAME Chester 27-30N-2W

COUNTY Otsego

LEASE NAME		TEST DATE			CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Chester "U" 2-27		May 6, 1985					
4/85	564	6424	3143	.285	3143	1637 1484	

FIELD NAME Chester 34-30N-2W COUNTY Otsego

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Chester "E" 1-34			October 7, 1984				
5/78	75	6353	1318	.328	1317	890	1115

FIELD NAME Hayes 11-29N-4W COUNTY Otsego

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Tecon Lake 3-11			January 31, 1986				
1/86	163	6150 TVD	2488	.0127	2489	1050	--

FIELD NAME Dover 25-31N-2W COUNTY Otsego

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Dover 1-25			February 6, 1986				
12/85	--	5452	2707	.295	2707	1255	1320
State Dover 1-25			March 15, 1986				
12/85	71	5452	2587	.281	2587	1215	1373

FIELD NAME Hayes 15-29N-4W COUNTY Otsego

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
Horicon 9-15A			December 26, 1984				
12/84	166	6358 TVD	2229	.41	2163	360	--

FIELD NAME Hayes 17-29N-4W

COUNTY Otsego

LEASE NAME		TEST DATE			CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
North Mich L & O 2-17		January 8, 1985					
1/85	112	6421	3425	.34	3425	1520	--

FIELD NAME Otsego Lake 3-29N-3W

COUNTY Otsego

LEASE NAME		TEST DATE			CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Otsego Lake 1A-3		October 23, 1984					
5/80	98	6442 TVD	575	.498	511	286	375

FIELD NAME Otsego Lake 2-29N-3W

COUNTY Otsego

LEASE NAME		TEST DATE			CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Otsego Lake-Styles 3-11		November 26, 1985					
11/85	115	6519 TVD	1849	.28	1834	888	--

FIELD NAME Otsego Lake 11-29N-3W

COUNTY Otsego

LEASE NAME		TEST DATE			CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBG	CSG
State Otsego Lake "B" 1-11		October 5, 1984					
2/77	239	6602 TVD	655	--	664	540	395
State Otsego Lake "B" 3A-11		April 24, 1986					
4/86	92	6600 TVD	558	--	558	461	PKR

FIELD NAME Bismarck 6-33N-4E

COUNTY Presque Isle

LEASE NAME			TEST DATE				CALCULATED		SHUT IN SURFACE	
WELL	SHUT IN	RECORDED	RECORDED	FLUID	CALCULATED	SHUT IN SURFACE				
COMP	TIME	DEPTH	PRESSURE	GRADIENT	PRESSURE AT	PRESSURE				
DATE	(HRS)	(FEET)	(PSIG)	LOWER 100 FT	DATUM (PSIG)	TBG	CSG			
Selke-State Bismarck 3-6A			January 16, 1986							
1/86	111	3639 TVD	2130	--	2130	1602	--			

FIELD NAME Case 3-33N-3E

COUNTY Presque Isle

LEASE NAME			TEST DATE				CALCULATED		SHUT IN SURFACE	
WELL	SHUT IN	RECORDED	RECORDED	FLUID	CALCULATED	SHUT IN SURFACE				
COMP	TIME	DEPTH	PRESSURE	GRADIENT	PRESSURE AT	PRESSURE				
DATE	(HRS)	(FEET)	(PSIG)	LOWER 100 FT	DATUM (PSIG)	TBG	CSG			
Shirely 1-3			February 9, 1985							
10/80	23	3663	1212	.313	1179	209	305			

FIELD NAME Bismarck 12-34N-4E

COUNTY Presque Isle

LEASE NAME			TEST DATE				CALCULATED		SHUT IN SURFACE	
WELL	SHUT IN	RECORDED	RECORDED	FLUID	CALCULATED	SHUT IN SURFACE				
COMP	TIME	DEPTH	PRESSURE	GRADIENT	PRESSURE AT	PRESSURE				
DATE	(HRS)	(FEET)	(PSIG)	LOWER 100 FT	DATUM (PSIG)	TBG	CSG			
Trapp Unit 3A-12			August 5, 1985							
8/85	70	3040 TVD	1379	.272	1379	1235	944			
Trapp 1-12			April 18, 1986							
1/86	NA	3134	1086	.037	1082	986	207			

FIELD NAME Case 29-24N-3E

COUNTY Presque Isle

LEASE NAME			TEST DATE				CALCULATED		SHUT IN SURFACE	
WELL	SHUT IN	RECORDED	RECORDED	FLUID	CALCULATED	SHUT IN SURFACE				
COMP	TIME	DEPTH	PRESSURE	GRADIENT	PRESSURE AT	PRESSURE				
DATE	(HRS)	(FEET)	(PSIG)	LOWER 100 FT	DATUM (PSIG)	TBG	CSG			
State Case 2-29			March 3, 1986							
2/86	66	3366 TVD	1678	.30	1678	750	--			

FIELD NAME Case 30-33N-3E

COUNTY Presque Isle

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBC	CSG
Sylvania Savings 1-30			July 1, 1985				
6/85	66	3445	1716	--	1716	745	--

FIELD NAME Wexford 20-24N-12W

COUNTY Wexford

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBC	CSG
State Kaplan 2-20			October 16, 1985				
2/79	22	6092	767	.020	728	638	PKR

FIELD NAME Wexford 18-24N-12W

COUNTY Wexford

LEASE NAME			TEST DATE		CALCULATED PRESSURE AT DATUM (PSIG)	SHUT IN SURFACE PRESSURE	
WELL COMP DATE	SHUT IN TIME (HRS)	RECORDED DEPTH (FEET)	RECORDED PRESSURE (PSIG)	FLUID GRADIENT LOWER 100 FT		TBC	CSG
State Wexford "A" 1-18			September 12, 1985				
6/74	25	5974	339	.010	339	286	302