

WELL INFORMATION TABLE
SAND DUNES WEST / LOS MEDANOS FIELDS

Sep 1993
1998

<u>SAND DUNES WEST</u>	<u>Unit</u>	<u>Operator</u>	<u>DOFP from Delaware</u>	<u>Perf. Interval</u>	<u>Interval Name</u>	<u>Initial GOR</u>	<u>Current GOR</u>	<u>Current BOPM</u>	<u>Current MCF/MO</u>	<u>Cum. Prod. MBO</u>	<u>Current Date</u>	
SECTION 28												
Pure Gold #D1	E	Pogo	22-Dec-90	7554 - 7578	BC "B"	1012	TA'D	-	-	-	-	
Pure Gold #D2	D	Pogo	24-Sep-92	7851 - 7900	BC2	882	3179	3716	11614	65	Sep-93	
Pure Gold #D3	L	Pogo	11-Dec-92	7856 - 7912	BC2	1056	3835	4510	17298	56	Sep-93	
Pure Gold #D4	M	Pogo	24-Oct-92	7856 - 7914	BC2	1003	4500	2563	11532	43	Sep-93	
Pure Gold #D5	C	Pogo	15-Jan-93	7884 - 7942	BC2/BC4	1115	2157	1568	3383	27	Sep-93	
Pure Gold #D7	K	Pogo	09-Jul-93	7864 - 7924	BC2	1430	3798	4177	15863	19	Sep-93	
Pure Gold #D8	N	Pogo	12-Feb-93	7886 - 7986	BC2/BC4	1058	1805	7509	13556	53	Sep-93	
Pure Gold #D12	O	Pogo	08-May-93	7906 - 8003	BC2	933	3673	4017	14752	30	Sep-93	
Pure Gold #D16	P	Pogo	24-Jul-93	7936 - 8002	BC2	843	2145	7446	15973	21	Sep-93	
Pure Gold #D17	E	Pogo	23-Apr-93	7780 - 7900	BC2/BC4	1054	3197	3126	9994	27	Sep-93	
SECTION 29												
Mobil Federal #1	J	Pogo	21-Mar-92	7820 - 7856	BC2	1188	3020	3972	11996	94	Sep-93	
Mobil Federal #4	A	Pogo	12-Feb-93	7840 - 7864	BC2/BC4	1842	3151	4647	14644	51	Sep-93	
Mobil Federal #7	P	Pogo	24-Sep-92	6270 - 7934	BC2/BC4/CHER	783	1675	3323	5566	45	Sep-93	
Mobil Federal #8	O	Pogo	21-Mar-93	7811 - 7865	BC2	1531	5505	2945	16211	23	Sep-93	
Federal 29-4	N	Pogo	20-Mar-93	7812 - 7842	BC2	930	4507	1574	7095	23	Sep-93	
Federal 29-8	M	Pogo	21-Feb-93	7821 - 7913	BC2/BC4	1156	3940	1515	5969	26	Sep-93	
SECTION 20												
Pure Gold #B3	O	Kaiser	29-Apr-93	7723 - 7883	BC2/BC4	1126	1371	3803	5214	20	Aug-93	
Pure Gold #B4	P	Kaiser	05-Mar-93	7734 - 7896	BC2/BC4	2014	1371	3803	5214	18	Aug-93	
Pure Gold #B5	I	Kaiser	23-Jun-93	7735 - 7896	BC2/BC4	1659	1371	3803	5214	9	Aug-93	
Pure Gold #B6	J	Kaiser	29-Jun-93	7704 - 7868	BC2/BC4	1659	1371	3803	5214	9	Aug-93	
SECTION 21												
Pure Gold #A2	M	Kaiser	15-Feb-93	7860 - 7901	BC2	1218	778	3580	2785	23	Aug-93	
Pure Gold #A4	L	Kaiser	20-Jun-93	7755 - 7904	BC2/BC4	1200	778	3580	2785	12	Aug-93	
SECTION 32												
Pauline ALB State #1	I	Yates	22-Dec-92	6467 - 7965	BC "G" - BC2	1030	5734	1336	7661	41	Aug-93	
Pauline ALB State #2	P	Yates	20-Feb-93	7793 - 7934	BC2/BC4	1449	4860	4528	22006	36	Aug-93	
Pauline ALB State #3	O	Yates	22-Jan-93	7773 - 7917	BC2/BC4	1379	4607	2175	10020	38	Aug-93	
Pauline ALB State #4	K	Yates	03-Nov-92	7741 - 7864	BC2/BC4	788	3268	1594	5209	48	Aug-93	
Pauline ALB State #5	N	Yates	08-Dec-92	7086 - 7911	BC "D" - BC2	1285	6391	1452	9280	42	Aug-93	
Pauline ALB State #6	J	Yates	23-Aug-92	7511 - 8045	BC "B" - U. BSPR	1701	1985	1992	3954	37	Aug-93	
Pauline ALB State #7	M	Yates	05-Jan-93	7793 - 7967	BC2/BC4	1272	8347	1231	10275	37	Aug-93	
Pauline ALB State #8	L	Yates	21-Mar-93	7754 - 7891	BC2/BC4	1891	9679	3224	31205	28	Aug-93	
Poker Lake 32 St #1	B	Merit	22-Jun-92	7826 - 7872	BC2	906	3905	3613	14109	63	Aug-93	
Poker Lake 32 St #2	G	Merit	04-Dec-92	7750 - 7838	BC2/BC4	1120	3184	3160	10061	45	Aug-93	
Poker Lake 32 St #3	H	Merit	04-Feb-93	6272 - 7881	BC2/BC4/CHER	825	1645	4864	8001	38	Aug-93	
Poker Lake 32 St #4	A	Merit	21-Dec-92	6260 - 7857	BC2/BC4/CHER	647	2213	7391	16356	48	Aug-93	
Poker Lake 32 St #5	C	Merit	01-Jan-93	7735 - 7834	BC2/BC4	621	5432	1540	8365	30	Aug-93	
Poker Lake 32 St #6	F	Merit	24-Jan-93	7732 - 7822	BC2/BC4	957	3242	3205	10391	35	Aug-93	
Poker Lake 32 St #7	D	Merit	25-Jan-93	7752 - 7842	BC2/BC4	739	4443	1036	4603	25	Aug-93	
Poker Lake 32 St #8	E	Merit	13-Feb-93	7745 - 7848	BC2/BC4	1536	6170	1653	10199	23	Aug-93	

POGO PRODUCING COMPANY
NEW MEXICO OIL CONSERVATION
DIVISION
CASE NO. 10870
EXHIBIT # 12

**WELL INFORMATION TABLE
SAND DUNES WEST / LOS MEDANOS FIELDS**

<u>SAND DUNES WEST</u>	<u>Unit</u>	<u>Operator</u>	<u>DOFP from</u> <u>Delaware</u>	<u>Perf.</u> <u>Interval</u>	<u>Interval</u> <u>Name</u>	<u>Initial</u> <u>GOR</u>	<u>Current</u> <u>GOR</u>	<u>Current</u> <u>BOPM</u>	<u>Current</u> <u>MCF/MO</u>	<u>Cum. Prod.</u> <u>MBO</u>	<u>Current</u> <u>Date</u>	
SECTION 33												
Ster. Silver 33 #3	D	Santa Fe	07-Jun-93	7872 - 7914	BC2	1606	2226	4389	9770	20	Sep-93	
Ster. Silver 33 #4	E	Santa Fe	13-Aug-93	7874 - 7914	BC2	1291	1357	5520	7491	9	Sep-93	
Ster. Silver 33 #5	C	Santa Fe	30-Jun-93	7876 - 7934	BC2	1122	3309	3855	12756	10	Sep-93	
Ster. Silver 33 #7	L	Santa Fe	26-Aug-93	7900 - 7940	BC2	1421	1220	5068	6183	6	Sep-93	
Ster. Silver 33 #8	M	Santa Fe	15-Sep-93	7922 - 7962	BC2	1159	1159	1998	2316	2	Sep-93	
Triple 'S' 33 #1	G	Santa Fe	09-Jul-93		BC2	1243	2429	3080	7481	11	Sep-93	
SECTION 5												
Sundance Federal #3	A	Merit	18-Jul-93	7812 - 7955	BC2/BC4	1735	2201	7791	17148	13	Aug-93	
Sundance Federal #4	B	Merit	05-Jul-93	7812 - 7993	BC2/BC4	1667	2115	6520	13790	11	Aug-93	
Sundance Federal #5	C	Merit	04-May-93	7816 - 7986	BC2/BC4	1185	4417	4547	20084	22	Aug-93	
Sundance Federal #6	D	Merit	24-May-93	7802 - 7839	BC5/BC4	1792	4626	4120	19059	17	Aug-93	
Sundance Federal #8	F	Merit	21-Aug-93	7826 - 7968	BC5/BC2	3360	3360	3999	13437	4	Aug-93	
Sundance Federal #9	J	Merit	08-Aug-93	7863 - 8016	BC2/BC4	2487	2487	4052	10077	4	Aug-93	
Sundance Federal #10	H	Merit	30-Aug-93	7845 - 8005	BC2/BC4	3250	3250	3971	12906	4	Aug-93	
LOS MEDANOS												
SECTION 17												
Pure Gold C-17 #3	I	Santa Fe	09-Apr-93	7740 - 7890	BC2/BC4	807	1336	1725	2305	13	Sep-93	
Pure Gold C-17 #4	H	Santa Fe	10-Dec-92	7888 - 7950	BC2	290	1224	2800	3427	22	Sep-93	
Pure Gold C-17 #5	A	Santa Fe	30-May-93	7904 - 7954	BC2	455	296	3283	972	17	Sep-93	
Pure Gold C-17 #8	J	Santa Fe	10-Jun-93	7846 - 7904	BC2	891	928	4353	4040	16	Sep-93	
Pure Gold C-17 #9	G	Santa Fe	26-Jul-93	7840 - 7908	BC2	1153	640	5592	3579	12	Sep-93	
Pure Gold C-17 #10	B	Santa Fe	06-Aug-93	7854 - 7900	BC2	585	570	3811	2172	9	Sep-93	
Pure Gold C-17 #11	N	Santa Fe	30-Jun-93	7834 - 7890	BC2	629	1337	2890	3864	9	Sep-93	
Pure Gold C-17 #13	N	Santa Fe	25-Aug-93	7790 - 7830	BC2	1025	809	3510	2840	5	Sep-93	
Pure Gold C-17 #14	M	Santa Fe	11-Jul-93	7782 - 7838	BC2	981	981	3334	3271	9	Sep-93	
SECTION 9												
N. Pure Gold 9 Fed. #1	N	Santa Fe	24-Dec-92	7954 - 8020	BC2	788	1232	1935	2384	16	Sep-93	
N. Pure Gold 9 Fed. #3	L	Santa Fe	15-Jul-93	7920 - 7976	BC2	664	1254	5071	6359	15	Sep-93	
N. Pure Gold 9 Fed. #4	E	Santa Fe	01-Aug-93	7910 - 7960	BC2	540	888	4784	4248	11	Sep-93	
SECTION 16												
Medano VA State #1	K	Yates	19-Oct-90	4218 - 7856	BELL/BC2/BC4	484	606	1463	887	38	Aug-93	
Medano VA State #2	E	Yates	28-Mar-93	7768 - 7931	BC2/BC4	1071	1027	1713	1759	14	Aug-93	
Medano VA State #3	F	Yates	03-Feb-91	- 7969	BELL/BC2/BC4	705	817	2197	1795	60	Aug-93	
Medano VA State #4	L	Yates	30-Apr-93	7754 - 7937	BC2/BC4	484	1031	2348	2421	17	Aug-93	
Medano VA State #5	M	Yates	05-Jun-93	7762 - 7929	BC2/BC4	920	1345	3328	4476	13	Aug-93	
Medano VA State #6	N	Yates	10-Jul-93	7807 - 7967	BC2/BC4	2076	1279	2556	3269	7	Aug-93	
Medano VA State #15	B	Yates	22-Aug-93	7106 - 8030	BC "D" - BC2	913	913	2506	2288	3	Aug-93	
Medano VA State #16	C	Yates	23-Jun-93	7811 - 8003	BC2/BC4	2155	1296	3765	4879	8	Aug-93	
Medano VA State #17	D	Yates	15-May-93	7757 - 7945	BC2/BC4	490	1317	3415	4498	20	Aug-93	

POGO PRODUCING COMPANY
NEW MEXICO OIL CONSERVATION
DIVISION
CASE NO. 10870
EXHIBIT # _____

POGO PRODUCING

Pure Gold "D" #8

RFLM 93009

SUMMARY OF PVT DATA

Reported Reservoir Conditions

Average Reservoir Pressure	3200	psig
Average Reservoir Temperature	125	°F

Pressure-Volume Relations

Saturation Pressure	3173	psig
Avg Single-Phase Compressibility	14.02	E-6 v/v/psi (5000 to 3173 psig)
Thermal Exp @ 5000 psig	1.04124	V at 125 °F / V at 68 °F

**Differential Vaporization Data
(at 3173 psig and 125 °F)**

Solution Gas/Oil Ratio	1,383	scf / bbl of residual oil at 60 °F
Relative Oil Volume	1.716	bbl / bbl of residual oil at 60 °F
Density of Reservoir Fluid	0.6375	gm/cc

Reservoir Fluid Viscosity

0.474 cp at 3173 psig and 125 °F

Separator Test Results

Separator Conditions		Formation Volume Factor (A)	Total Solution Gas/Oil Ratio (B)	Tank Oil Gravity (°API at 60 °F)
psig	°F			
84	67	1.573	1,130	44.1

(A) Barrels of saturated oil per barrel of stock tank oil at 60 °F.

(B) Total standard cubic feet of gas per barrel of stock tank oil at 60 °F.

<p>POGO PRODUCING COMPANY</p> <p>NEW MEXICO OIL CONSERVATION DIVISION</p> <p>CASE NO. 10870</p> <p>EXHIBIT # <u>13A</u></p>

KAISER FRANCIS

Pure Gold "A" #2

RFLM 93014

SUMMARY OF PVT DATA

Reported Reservoir Conditions

Average Reservoir Pressure	3263	psig
Average Reservoir Temperature	125	°F

Pressure-Volume Relations

Saturation Pressure	3220	psig
Avg Single-Phase Compressibility	14.30	E-6 v/v/psi (5000 to 3220 psig)
Thermal Exp @ 5000 psig	1.07176	V at 125 °F / V at 68 °F

Differential Vaporization Data

(at 3220 psig and 125 °F)

Solution Gas/Oil Ratio	1,425	scf / bbl of residual oil at 60 °F
Relative Oil Volume	1.754	bbl / bbl of residual oil at 60 °F
Density of Reservoir Fluid	0.6148	gm/cc

Reservoir Fluid Viscosity

0.364 cp at 3220 psig and 125 °F

Separator Test Results

Separator Conditions		Formation Volume Factor (A)	Total Solution Gas/Oil Ratio (B)	Tank Oil Gravity (°API at 60 °F)
psig	°F			
650	70	1.703	1,289	42.8

(A) Barrels of saturated oil per barrel of stock tank oil at 60 °F.

(B) Total standard cubic feet of gas per barrel of stock tank oil at 60 °F.

POGO PRODUCING COMPANY
NEW MEXICO OIL CONSERVATION DIVISION
CASE NO. 10870
EXHIBIT # <u>13B</u>