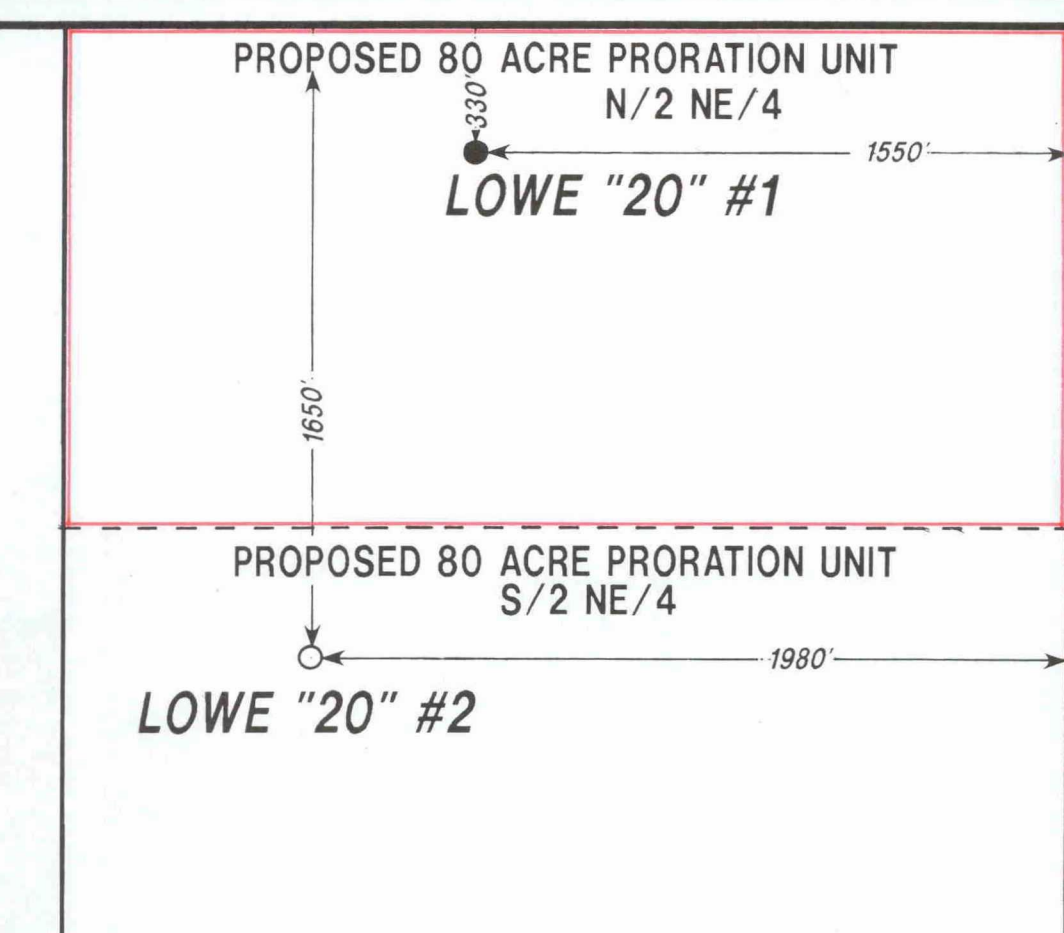


LARGE FORMAT
EXHIBIT HAS
BEEN REMOVED
AND IS LOCATED
IN THE NEXT FILE

NE/4 Section 20, T-13-S - R-38-E

LEA COUNTY, NEW MEXICO

COMMON OWNERSHIP THROUGHOUT NE/4



BEFORE THE
OIL CONSERVATION DIVISION
Santa Fe, New Mexico

Case No. 11409 Exhibit No. 2

Submitted by: Maralo, Inc.

Hearing Date: October 19, 1995

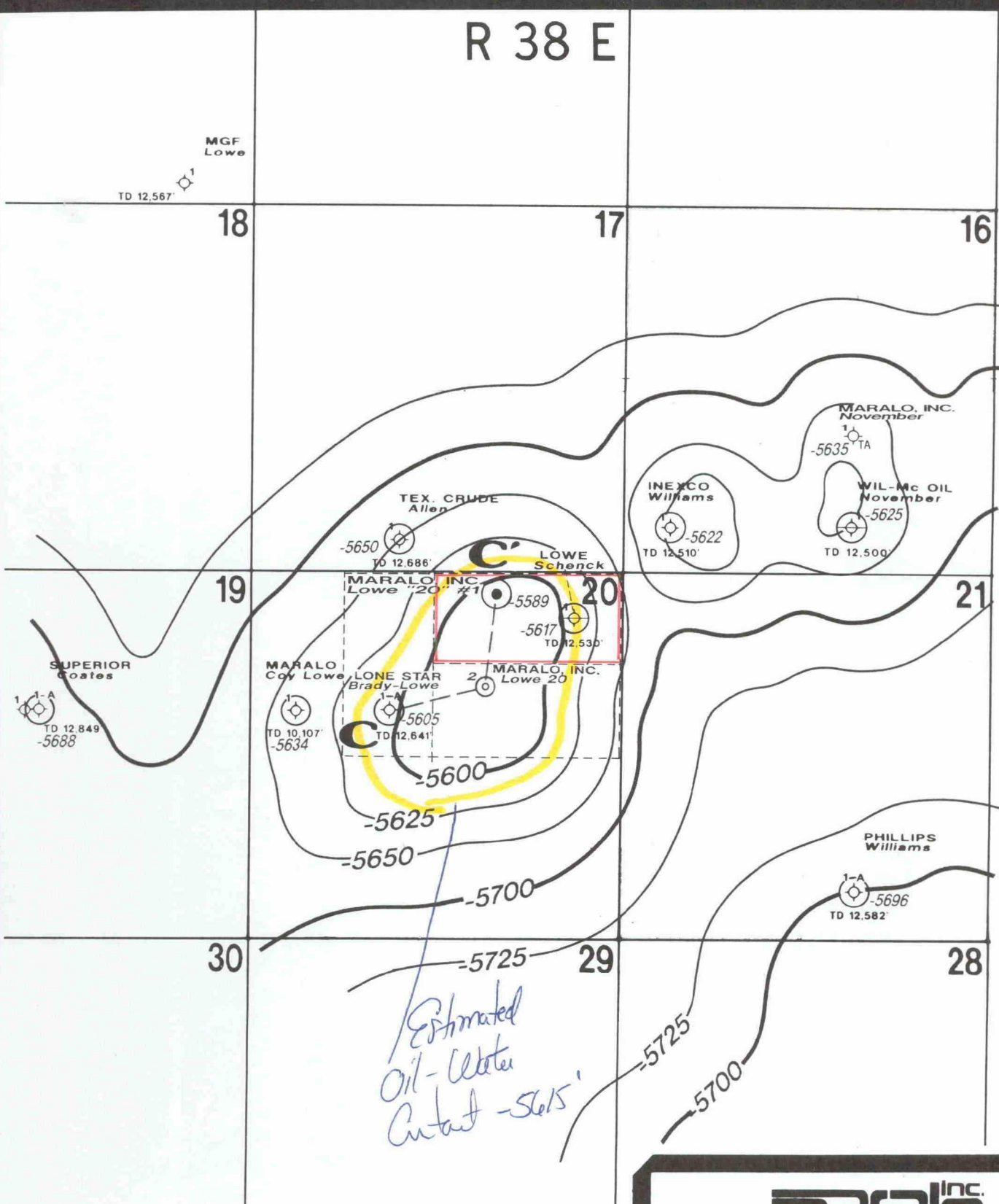
maralo^{inc.}

S W BRONCO PROSPECT
LEA COUNTY, NEW MEXICO

SCALE : 1" = 500'

R 38 E

T 13 S



BEFORE THE
OIL CONSERVATION DIVISION
Santa Fe, New Mexico

Case No. 11409 Exhibit No. 3

Submitted by: Maralo, Inc.

Hearing Date: October 19, 1995

maralo^{INC.}

**BRONCO SW PROSPECT
LEA COUNTY, NEW MEXICO**

**STRUCTURE MAP
WOLFCAMP XX MARKER
CONTOUR INTERVAL 25'**

**C.S.L.
9/95**

SCALE: 1" = 2,000'

LARGE FORMAT
EXHIBIT HAS
BEEN REMOVED
AND IS LOCATED
IN THE NEXT FILE

VOLUMETRIC CONTENT CALCULATION

MARALO INC
LOWE "20" #1
LEA COUNTY, NEW MEXICO

PARAMETERS:

Average Porosity, ϕ	= 7.5%
Water Saturation, SW	= 25 %
Formation Volume Factor, B_o	= 1.8 R Bbl/STB
Net effective Pay Thickness, h	= 21'
Area, A - acres	= 80
Recovery Factor, R. F.	= 17 %

Oil in Place under an 80-acre proration Unit:

$$\begin{aligned}\text{OIP} &= \frac{7758 (A) (h) (\phi) (1-SW)}{B_o} \\ &= \frac{7758 (80) (21) (.075) (1-.25)}{1.8} \\ &= 407,295 \text{ STB}\end{aligned}$$

Recoverable Oil in Place under an 80-acre proration Unit:

$$\begin{aligned}\text{ROIP} &= \text{OIP} \times \text{RF} \\ &= 407,295 \times .17 \\ &= 69,240 \text{ STB}\end{aligned}$$

NOTE: These calculations are based solely on matrix porosity. No attempt was made to include recoverable oil from fractures and open vugs, which are known to exist in this well, due to the uncertainty of their continuity and areal extent.

**BEFORE THE
OIL CONSERVATION DIVISION**
Santa Fe, New Mexico

Case No. 11409 Exhibit No. 5

Submitted by: Maralo, Inc.

Hearing Date: October 19, 1995

WELL/LEASE CUMULATIVE PRODUCTION
16-Oct-1995

FIELD (RESERVOIR)	RESERVOIR NAME	LEASE NAME	WELL	GAS CUM	LIQUID CUM	UPPER PERF	LOWER PERF	1ST	LAST	STATUS		
								PROD DATE	PROD DATE			
BRONCO (WOLFCAMP) WC	WOLFCAMP	BRONCO WOLFCAMP UNIT	000001	54458	53203	0	0	0	0	INA		
		BRONCO WOLFCAMP UNIT	000002	73064	243704	0	0	0	9207	INA		
		BRONCO WOLFCAMP UNIT	000003	18458	31499	0	0	0	8605	INA		
		BRONCO WOLFCAMP UNIT	000004	299538	119332	0	0	0	7404	INA		
		BRONCO WOLFCAMP UNIT	000005	229389	344424	0	0	0	9502	ACT		
		BRONCO WOLFCAMP UNIT	000006	191029	282241	0	0	0	9107	INA		
		BRONCO WOLFCAMP UNIT	000007	183175	193067	0	0	0	7805	INA		
		BRONCO WOLFCAMP UNIT	000008	93426	89203	0	0	0	7403	INA		
		BRONCO WOLFCAMP UNIT	000009	3889	35113	0	0	8011	9003	INA		
		FEDERAL B	000001	0	2377	0	0	8706	9209	P&A		
		FEDERAL B	000002	0	49532	0	0	0	0	INA		
		H H HARRIS A	1	151	9	0	0	9301	9307	INA		
		H H HARRIS A	000001	79781	126543	0	0	0	9307	INA		
		L W WARD	000004	7239	92288	0	0	0	0	INA		
		L W WARD	000005	5266	69800	0	0	0	0	INA		
		LINAM	000001	69953	219392	0	0	0	9502	ACT		
		LIPSCOMB ESTATE	000001	0	55809	0	0	0	0	P&A		
		TENNECO HARRIS	1	1	9	9050	9080	9301	9301	INA		
		TENNECO HARRIS	000001	14775	60642	0	0	8302	9301	INA		
		TOWNSEND	000001	0	1801	0	0	0	0	P&A		
		WOLFCAMP				1323592	2069988					

BRONCO (WOLFCAMP) WC	1323592	2069988
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GLADIOLA (WOLFCAMP)	WOLFCAMP	ANGEL	000002	41030	78751	0	0	7704	9412	INA
		ANGEL	000003	5582	17494	0	0	7809	9102	INA
		BROWNFIELD A	000002	0	347614	0	0	0	0	P&A
		BROWNFIELD B	000002	0	197127	0	0	0	0	P&A
		BYRON-DALE	000001	4793	301542	0	0	0	7502	P&A
		CRAIG A	000001	75188	35205	0	0	0	7201	P&A
		D P PECK	000001	79894	173097	0	0	0	0	INA
		D P PECK	000002	256759	78013	0	0	0	0	P&A
		DP PECK ESTATE	000001	0	427	0	0	8502	8504	P&A
		FIELD STATE	000001	10579	121640	0	0	8104	9502	ACT
		FOSTER	000001	94672	143746	0	0	0	7111	P&A
		GLADIOLA WC-DV SWD SYSTEM	000001	0	103087	0	0	0	0	INA
		GOLDENGATE	00001Y	30408	44435	0	0	8506	9503	ACT
		H R FIELDS	000001	0	63396	0	0	0	0	P&A
		HOUSTON A	000001	0	6890	0	0	0	0	INA
		JOHN SHULTS	000001	0	189154	0	0	0	0	INA

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BEFORE THE
OIL CONSERVATION DIVISION
Santa Fe, New Mexico

Case No. 11409 Exhibit No. 6

Submitted by: Maralo, Inc.

Hearing Date: October 19, 1995

WELL/LEASE CUMULATIVE PRODUCTION
16-Oct-1995

FIELD (RESERVOIR)	RESERVOIR NAME	LEASE NAME	WELL	GAS CUM	LIQUID CUM	UPPER PERF	LOWER PERF	1ST	LAST	STATUS		
								PROD DATE	PROD DATE			
GLADIOLA (WOLFCAMP)	WOLFCAMP	JONES	000001	0	340	0	0	7304	7306	P&A		
		KENDRICK	000001	6699	13648	0	0	0	9409	INA		
		KENDRICK	000001	31401	52177	0	0	7506	8311	P&A		
		KENDRICK	000003	14494	22252	0	0	7603	7708	P&A		
		L AND M STATE	000001	21677	51446	0	0	7302	9110	P&A		
		LEA AV STATE	000001	97721	77941	0	0	7110	9412	INA		
		LEA AV STATE	000002	35306	93742	0	0	0	9007	INA		
		LEA AV STATE	000003	0	66052	0	0	0	0	P&A		
		LEA AV STATE	000004	29389	33889	0	0	7112	9007	INA		
		LIBERTY	000001	0	2119	0	0	0	0	P&A		
		LOWE	000001	33544	38410	0	0	8811	9502	ACT		
		M A FOSTER	000002	129420	131135	0	0	0	0	P&A		
		MARKHAM UNIT	000001	0	148888	0	0	0	0	P&A		
		MILLER B	000001	0	3652	0	0	0	0	P&A		
		ROSA SHULTS	000001	0	26324	0	0	0	0	INA		
		SHULTS	000002	108861	224865	0	0	0	9010	INA		
		SHULTS	000003	0	139576	0	0	0	0	P&A		
		SIMPSON	000001	0	387446	0	0	0	8203	INA		
		SLACK	000004	147207	193272	0	0	7202	8411	P&A		
		STATE E476 A	000001	22443	93839	0	0	0	0	P&A		
		TAYLOR B	000002	7668	11076	0	0	0	0	P&A		
		VIRGIE GREEN	000001	0	24997	0	0	0	0	P&A		
		WINGERD	000004	49772	202988	0	0	0	0	P&A		
		WINGERD	000005	525	21669	0	0	7401	7912	INA		
		WINGERD	000007	0	135574	0	0	0	0	INA		
		YATES STATE	000001	31924	70900	0	0	8711	9505	ACT		
		YATES STATE	000002	12033	32425	0	0	8804	9505	ACT		
		Z TAYLOR	000001	0	6665	0	0	7508	8005	INA		
		WOLFCAMP				1378989	4208925					
						=====	=====					
	GLADIOLA (WOLFCAMP)				1378989	4208925						
	GLADIOLA SOUTH (WOLF)	WOLFCAMP	COY LOWE	000001	0	228	9700	9706	8610	8610	INA	
			MAXWELL	000001	18304	36580	0	0	7703	9502	ACT	
O E FULTON			000001	29154	125149	0	0	0	0	P&A		
WOLFCAMP				47458	161957							
				=====	=====							
GLADIOLA SOUTH (WOLF)				47458	161957							

WELL/LEASE CUMULATIVE PRODUCTION
16-Oct-1995

FIELD (RESERVOIR)	RESERVOIR NAME	LEASE NAME	WELL	GAS CUM	LIQUID CUM	UPPER PERF	LOWER PERF	1ST	LAST	STATUS
								PROD	PROD	
								DATE	DATE	
KING (WOLFCAMP) WC	WOLFCAMP	BARNHILL	000001	11792	22739	9406	9452	9002	9502	ACT
		H L LOWE B	000001	0	29730	0	0	0	0	P&A
		H L LOWE C	000001	0	88864	0	0	0	0	INA
		HARTLEY, 8609 JV-P	000001	0	25540	0	0	8705	9502	ACT
		HUBER LOWE	000001	42684	43303	0	0	8802	9502	ACT
		J L REED	000002	85657	107144	0	0	0	9501	ACT
		J L REED	000005	260571	201564	0	0	8704	9503	ACT
		L L C	000001	87345	134959	0	0	0	9502	ACT
		LOWE	000001	6137	242748	0	0	0	9312	INA
		NEW MEXICO C STATE	000001	97610	57358	0	0	8510	9503	ACT
		NEW MEXICO C STATE	000002	263472	250352	0	0	0	9204	INA
		STATE E7169	000001	695	11621	0	0	8712	9401	INA
	WOLFCAMP			855963	1215922					
				=====	=====					
KING (WOLFCAMP) WC				855963	1215922					
				=====	=====					
TOTAL				3606002	7656792					

Average cum. per well = 96,921 BO