

**MATERIAL BALANCE ORIGINAL OIL IN PLACE**  
**West Lovington Strawn Pool**  
**Lea County, New Mexico**

2 Date	Oil Cum. % of OOIP	Np 1 Oil Cum. (stb)	Gp 1 Gas Cum. (mscf)	Wp 1 Water Cum. (stb)	Pr 2 Pressure (psia)	OOIP (mstb)	OOIP DIFF. (%)
5/13/92	0.0%	0	0	0	4392	0	0
8/12/92	0.1%	15400	17800	8200	4308	6,201	-56.3%
8/28/92	0.1%	20400	28800	19300	4342	15,919	12.1%
11/4/92	0.5%	71500	141000	21300	4230	13,527	-4.8%
11/19/92	0.6%	84500	169000	21300	4224	15,138	6.6%
1/18/93	1.0%	140100	288000	21300	4136	15,760	11.0%
2/26/93	1.3%	188500	390100	21300	4063	16,650	17.2%
4/26/93	2.1%	300700	630000	21300	3921	12,731	-10.4%
9/15/93	4.2%	590400	1245000	21300	3629	11,633	-18.1%
12/3/93	5.1%	726100	1510900	21300	3615	13,790	-2.9%
4/21/94	6.9%	984200	1990800	21300	3450	13,466	-5.2%
9/9/94	7.9%	1127700	2249400	21300	3392	13,424	-5.5%
12/30/94	8.6%	1226400	2416000	21300	3384	14,207	0.0%
3/16/95	9.1%	1292700	2518700	21300	3363	14,214	0.1%
9/18/95	10.5%	1493000	2873700	21300	3294	14,183	-0.1%
					<b>OOIP*</b>	14,202	0.0%

- 1 Oil, gas, and water volumes from public data estimated at date of recorded pressure
- 2 Pressures and recorded dates provided by Gillespie-Crow, Inc.
- \* Calculated average of OOIP from 12/30/94, 3/16/94, and 9/18/95

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

Case No. 11724 Exhibit No. 20

Submitted by: Hanley Petroleum Inc.  
and Yates Petroleum Corporation

Hearing Date: May 15, 1997