

Sapient's Bertha Barber #12
Determination of Initial pressure gradient's in Monument Tubb Oil Pool
New Mexico OCD Hearing, December 3, 2001

Operator	Well Name	Date	DST #	Depth to Tubb Top	Depth to Drinkard Top	DST Interval	Mid-Point DST Interval	W C	T W N S I	R A N G E	IFP - FFP	BHSIP	Press Grad, psi/ft	Time	Type
Amerada	State F #5	11/4/1948	1	6295	6615 (est)	6480' - 6559'	6519.5	36	19S	36E	720 - 90 psi	2570	0.394202	15'	
Sinclair	Lea '373' UT #	3/16/1966	1	6420	6790	6500' - 6600'	6550.0	34	19S	37E	164 - 239 psi	2548	0.389008	120'	FSIP
			2			6600' - 6700'	6650.0				119 - 119 psi	1183	0.177893	120'	FSIP
Ashmun & Hilliard	Cooper #1	12/13/1963	1	6355	6675 (est)	6445' - 6545'	6574.0	3	20S	37E	79 - 93 psi	1345	0.204594	30'	SIP
			2			6542' - 6606'	6495.0				192 - 255 psi	2664	0.405233	30'	SIP
Skelly	Van Etten #12	6/7/1966	1	6295	6608	6375' - 6600'	6487.5	9	20S	37E	165 - 200 psi	2621	0.404008	30'	ISIP
Conoco	Britt B #24	6/20/1965	1	6379	6711	6488' - 6520'	6504.0	11	20S	37E	337 - 1640 psi	2421	0.372232	30'	FSIP
Conoco	Britt B-15 #9	3/11/1957	1	6300	6618	6400' - 6447'	6423.5	15	20S	37E	370 - 190 psi	2390	0.372071	NR	SIP
			2			6447' - 6544'	6495.5				1325 - 1365 psi	2695	0.414903	15'	SIP

Average = 0.348 psi/ft
Excluding 2 highest & 2 lowest = 0.386 psi/ft

Sapient's #12: Initial Press @ 6394'
Using 0.386 psi/ft = 2468 psi

Sapient's #12: Initial Press @ 6394'
Using 0.3486 psi/ft = 2225 psi