

ALL DIRECTIONAL DRILLING CALCULATIONS PERFORMED BY AN IBM ELECTRONIC COMPUTER

COMPANY- CITIEX SERVICE OIL COMPANY WELL- CSOC TRACY B WELL NO. 1  
 FIELD- CARLSBAD EDDY COUNTY STATE OF NEW MEXICO

MEAS DEPTH	COURSE LENGTH	DRIFT ANGLE	VERTICAL-DEPTH COURSE	TOTAL DEVIATION	DIRECTION	TOTAL COORDINATES		
						NORTH	SOUTH	EAST WEST
SPERRY-SUN GYRO & MULTIPLE SHOT SURVEYS TO 7432FT. MEASURED DEPTH								
7432		.00	7430.26		N E	35.27		42.83
7432		1.15	.00	7430.26	S83W	35.27		42.83
7520	88	2.00	87.95	7518.21	N57W	37.24		40.48
7575	55	4.00	54.87	7573.08	N28W	40.63		38.68
7610	35	4.45	34.88	7607.96	N28W	43.19		37.32
7675	65	5.15	64.73	7672.69	N29W	48.39		34.44
7735	60	5.30	59.72	7732.41	N33W	53.21		31.31
7800	65	5.45	64.67	7797.08	N37W	58.41		27.39
7930	130	9.45	128.12	7925.20	N19W	79.23		20.22
7960	30	10.15	29.52	7954.72	N18W	84.31		18.57
8020	60	10.30	59.00	8013.72	N18W	94.71		15.19
8145	125	11.45	122.38	8136.10	N19W	118.78		6.90
8300	155	13.00	151.03	8287.13	N24W	150.64	7.28	
8455	155	14.15	150.23	8437.36	N26W	184.93	24.00	
8610	155	13.30	150.72	8588.08	N36W	214.20	45.27	