

UNIT : I
 LEASE : MADURO STATE COMM
 WELL : 1
 S/T/R : 16 19S 33E
 COUNTY: LEA
 STATE : NEW MEXICO

TYPE TEST: 4 POINT
 : INITIAL
 TEST DATE: 4/ 4/86

NEW MEXICO OIL CONSERVATION COMMISSION
 MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

COMPANY: SUN EXPLORATION
 FIELD: UD MORROW POOL:
 COMPLETED 4 3 86 TD = 13712.
 CSG SIZE = 5.5000 WT = 2023.00
 TBG SIZE = 2.8750 WT = 6.50
 TYPE COMPLETION: SINGLE
 PRODUCING THROUGH: TUBING
 RESERVOIR TEMP., F = 240. @13224. FT.
 CONNECTION: TO AIR
 RESERVOIR: MORROW
 PBD = 13647. ELEV = 3645.
 SET AT 13712. PERF: 13128.-13320.
 SET AT 13002. PERF: 0.- 0.
 PACKER SET AT: 13000.
 BARO.PRESS = 13.20 PSIA
 MEAN GROUND TEMP., F = 60.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
13224.	13224.	0.633	1.30	0.42	0.	0.	4.0	FLANGE

NO.	LINE SIZE	ORI. SIZE	FLOW PSIG	HW IN.	FLOW TEMP	TBG. PSIG	TBG. TEMP	BHP PSIG	BH TEMP	FLOW HRS.
SI										
1	4.03 X 1.000	700.	4.0	100.	0.392	0.	5986.	240.	18.7	
2	4.03 X 1.000	700.	8.2	100.	0.3552	0.	5517.	240.	1.0	
3	4.03 X 1.000	700.	22.0	102.	0.3670	0.	5174.	240.	1.0	
4	4.03 X 1.000	710.	42.0	102.	0.3452	0.	4902.	240.	1.0	
					0.3362	0.	4726.	240.	1.0	

NO.	COEFFICIENT (24 - HOUR)	SOBT. (HWPM)	PRESS. PM	T-FACTR F (T)	G-FACTR F (G)	SC-FACTR F (PV)	FLOW MCFD
1	4.75	53.41	713.2	0.9636	1.2566	1.0515	323.
2	4.75	76.71	713.2	0.9636	1.2566	1.0515	464.
3	4.75	125.26	713.2	0.9619	1.2566	1.0507	756.
4	4.75	174.28	723.2	0.9619	1.2566	1.0514	1053.

NO.	P (R)	TEMP. R	T (R)	Z	GAS LIQ RATIO, MCF/BBL	21.633
1	1.06	560.	1.53	0.905	API G OF HYDROCARBONS	48.9
2	1.06	560.	1.53	0.905	SP G SEPARATOR GAS	0.633
3	1.06	562.	1.54	0.906	SP G FLOWING FLUID	XXXXX
4	1.07	562.	1.54	0.905	CRITICAL PRES., PSIA	676.
					CRITICAL TEMP., R	366.
						405.

NO.	PW	PW*PW	PC*PC-PW*PW	PC =	4342.2
1	3938.	15509.	3345.	PC*PC =	18854.
2	3649.	13312.	5542.	PC*PC/(PC*PC-PW*PW) =	2.3287
3	3423.	11719.	7135.	(PC*PC/(PC*PC-PW*PW))**N =	2.3287
4	3280.	10758.	8096.	ADF (MCF/DAY) =	2451.

RECEIVED
AUG 22 1986
O.C.D.
HOBBS OFFICE