

UNIT : A HARVEY
 LEASE : WEST HENRY FEDER
 WELL : 1
 S/T/R : 17 8S 23E
 COUNTY: CHAVES
 STATE : NEW MEXICO

TYPE TEST: 4 POINT
 : INITIAL
 TEST DATE: 3/10/86

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

COMPANY: MCKAY
 FIELD: POOL:
 COMPLETED 3 7 86 TD = 3566.
 CSG SIZE = 4.5000 WT = 10.50
 TBG SIZE = 2.3750 WT = 4.70
 TYPE COMPLETION: SINGLE
 PRODUCING THROUGH: TUBING
 RESERVOIR TEMP., F = 113. @ 2982. FT.
 CONNECTION: TO AIR
 RESERVOIR: ABO
 FBD = 3279. ELEV = 4136.
 SET AT 3534. PERF: 2936.- 3028.
 SET AT 2905. PERF: 0.- 0.
 PACKER SET AT: 0.
 BARO. PRESS = 13.20 PSIA
 MEAN GROUND TEMP., F = 60.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
2982.	2982.	0.620	0.32	5.43	0.	0.	3.1	FLANGE

NO.	LINE SIZE	ORI. SIZE	FLOW PSIG	HW IN.	FLOW TEMP	TBG. PSIG	TBG. TEMP	CSG. PSIG	CSG. TEMP	FLOW HRS.
SI								1000.	65.	72.0
1	3.07 X	1.000	22.	7.0	65.	0.	0.	380.	65.	1.0
2	3.07 X	1.000	34.	18.0	65.	0.	0.	275.	65.	1.0
3	3.07 X	1.000	22.	44.0	65.	0.	0.	175.	65.	1.0
4	3.07 X	1.000	20.	53.0	65.	0.	0.	140.	65.	1.0

NO.	COEFFICIENT (24 - HOUR)	SQRT. (HWPM)	PRESS. PM	T-FACTR F (T)	G-FACTR F (G)	SC-FACTR F (PV)	FLOW MCFD
1	4.79	15.70	35.2	0.9952	1.2700	1.0027	95.
2	4.79	29.15	47.2	0.9952	1.2700	1.0036	177.
3	4.79	39.35	35.2	0.9952	1.2700	1.0027	239.
4	4.79	41.95	33.2	0.9952	1.2700	1.0025	255.

NO.	P (R)	TEMP. R	T (R)	Z	GAS LIQ RATIO, MCF/BBL	0.
1	0.05	525.	1.50	0.995	API G OF HYDROCARBONS	0.
2	0.07	525.	1.50	0.993	SP G SEPARATOR GAS	0.620
3	0.05	525.	1.50	0.995	SP G FLOWING FLUID	XXXXX
4	0.05	525.	1.50	0.995	CRITICAL PRES., PSIA	664.
					CRITICAL TEMP., R	349.

NO.	PW	PW*PW	PC*PC-PW*PW	PC =	1012.9
1	393.	155.	871.	PC*PC =	1026.
2	288.	83.	943.	PC*PC/(PC*PC-PW*PW) =	1.0234
3	188.	35.	991.	(PC*PC/(PC*PC-PW*PW))*N =	1.0234
4	153.	23.	1002.	ADF (MCF/DAY) =	261.