

UNIT :
 LEASE : CARSON FEDERAL
 WELL : 1
 S/T/R : 3 9 31
 COUNTY: CHAVES
 STATE : NEW MEXICO

: INITIAL
 TEST DATE: 11/ 7/85

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

COMPANY: ROBERT N ENFIELD
 FIELD: WILDCAT POOL:
 COMPLETED 11 6 85 TD = 10783.
 OSG SIZE = 4.5000 WT = 11.60
 TBG SIZE = 2.3750 WT = 4.70
 TYPE COMPLETION: SINGLE
 PRODUCING THROUGH: TUBING
 RESERVOIR TEMP., F = 188. @ 9414. FT.
 CONNECTION: TO AIR
 RESERVOIR: ATOKA
 PBD = 9586. ELEV = 4277.
 SET AT 9670. PERF: 9403.- 9426.
 SET AT 9351. PERF: 0.- 0.
 PACKER SET AT: 9351.
 BARO.PRESS = 13.20 PSIA
 MEAN GROUND TEMP., F = 60.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
9414.	9414.	0.847	0.82	32.09	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								2804.	188.	72.0
1	4.03 X	1.000	210.	4.0	84.	0.	0.	2433.	188.	1.0
2	4.03 X	1.000	210.	7.0	90.	0.	0.	2248.	188.	1.0
3	4.03 X	1.000	215.	11.0	92.	0.	0.	2066.	188.	1.0
4	4.03 X	1.000	200.	18.0	94.	0.	0.	1855.	188.	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	4.75	29.88	223.2	0.9777	1.0868	1.0164	153.
2	4.75	39.53	223.2	0.9723	1.0868	1.0156	202.
3	4.75	50.10	228.2	0.9706	1.0868	1.0157	255.
4	4.75	61.95	213.2	0.9688	1.0868	1.0144	314.

NO.	P(R)	TEMP. R	T(R)	Z	GAS LIQ RATIO, MCF/BBL	
1	0.37	544.	1.57	0.968	API G OF HYDROCARBONS	0.
2	0.37	550.	1.59	0.969	SP G SEPARATOR GAS	0.847 XXXXX
3	0.38	552.	1.59	0.969	SP G FLOWING FLUID	XXXXX 0.847
4	0.35	554.	1.60	0.972	CRITICAL PRES., PSIA	608. 608.
					CRITICAL TEMP., R	347. 347.

NO.	PW	PW*PW	PC*PC-PW*PW		
1	1805.	3259.	1067.	PC =	2079.8
2	1670.	2791.	1535.	PC*PC =	4325.
3	1539.	2368.	1957.	PC*PC / (PC*PC-PW*PW) =	1.7927
4	1386.	1921.	2404.	(PC*PC / (PC*PC-PW*PW)) ** N =	1.7813
				ADF (MCF/DAY) =	559