

UNIT : A
 LEASE : STATE V 492
 WELL : 1
 S/T/R : EDDY
 COUNTY:
 STATE : NEW MEXICO

TYPE TEST: 4 POINT
 : INITIAL
 TEST DATE: 7/12/86

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

COMPANY: POGO
 FIELD: POOL:
 COMPLETED 7 11 86 TD = 0.
 CSG SIZE = 7.0000 WT = 32.00
 TBG SIZE = 2.3750 WT = 4.70
 TYPE COMPLETION: SINGLE
 PRODUCING THROUGH: TUBING
 RESERVOIR TEMP., F = 180. @ 11801. FT.

CONNECTION: TO AIR
 RESERVOIR: ATOKA
 PBD = 12455. ELEV = 2965.
 SET AT 12044. PERF: 11796.-11806.
 SET AT 11735. PERF: 0.- 0.
 PACKER SET AT: 11735.
 BARO. PRESS = 13.20 PSIA
 MEAN GROUND TEMP., F = 60.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
11801.	11801.	0.583	0.60	0.50	0.	0.	4.0	FLANGE

NO.	LINE SIZE	ORI. SIZE	FLOW PSIG	HW IN.	FLOW TEMP	TBG. PSIG	CHOKE	BHP PSIG	BH TEMP	FLOW HRS.
SI						7157		8604.	180.	16.2
1	4.03 X	1.375	510.	3.0	98.	6597	5.25 64	8029.	180.	1.0
2	4.03 X	1.375	515.	6.2	98.	6350	8/64	7766.	180.	1.0
3	4.03 X	1.375	510.	13.7	99.	5855	10/64	7312.	180.	1.0
4	4.03 X	1.375	510.	28.0	96.	5110	14/64	6479.	180.	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	9.07	39.62	523.2	0.9653	1.3097	1.0322	469.
2	9.07	57.46	528.2	0.9653	1.3097	1.0325	680.
3	9.07	84.82	523.2	0.9645	1.3097	1.0319	1003.
4	9.07	121.04	523.2	0.9671	1.3097	1.0327	1436.

NO.	P(R)	TEMP. R	T(R)	Z	GAS LIQ RATIO, MCF/BBL	0.
1	0.77	558.	1.59	0.939	API G OF HYDROCARBONS	0.
2	0.78	558.	1.59	0.938	SP G SEPARATOR GAS	0.583 XXXXX
3	0.77	559.	1.59	0.939	SP G FLOWING FLUID	XXXXX 0.583
4	0.77	556.	1.58	0.938	CRITICAL PRES., PSIA	675. 675.
					CRITICAL TEMP., R	351. 351.

NO.	PW	PW*PW	PC*PC-PW*PW		
1	6664.	44411.	7410.	PC =	7198.7
2	6421.	41228.	10593.	PC*PC =	51821.
3	6004.	36048.	15773.	PC*PC/(PC*PC-PW*PW) =	2.1354
4	5249.	27553.	24268.	(PC*PC/(PC*PC-PW*PW))*N =	1.9807
				AOI (MCF/DAY) =	2844.