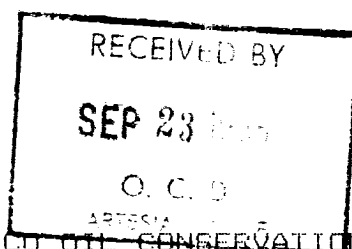


UNIT : J
 LEASE : FERGUSON
 WELL : 1
 S/T/R : 23 22S 27E
 COUNTY: EDDY
 STATE : NEW MEXICO

TYPE TEST: 4 POINT
 : INITIAL
 EST DATE: 8/26/85



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

COMPANY: SANTA FE ENERGY CO CONNECTION: TO AIR
 FIELD: SOUTH CARLSBAD POOL: RESERVOIR: STRAWN
 COMPLETED 8 23 85 TD = 0. PBD = 12146. ELEV = 0.
 CSG SIZE = 5.0000 WT = 18.00 SET AT 12146. PERF: 10481.-10595.
 TBG SIZE = 2.3750 WT = 4.70 SET AT 10410. PERF: 0.- 0.
 TYPE COMPLETION: SINGLE PACKER SET AT: 10255.
 PRODUCING THROUGH: TUBING BARO.PRESS = 13.20 PSIA
 RESERVOIR TEMP., F = 185. @10538. FT. MEAN GROUND TEMP., F = 60.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
10538.	10538.	0.651	0.14	0.41	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								5354.	185.	78.5
1	4.03 X	1.500	335.	2.1	97.	0.	0.	5100.	185.	1.0
2	4.03 X	1.500	385.	5.0	77.	0.	0.	4930.	185.	1.0
3	4.03 X	1.500	400.	11.0	81.	0.	0.	4536.	185.	1.0
4	4.03 X	1.500	400.	26.0	80.	0.	0.	3802.	185.	1.0

NO.	COEFFICIENT (24 - HOUR)	SOFT. (HWPM) *	PRESS. PM	T-FACTR F (T)	G-FACTR F (G)	SC-FACTR F (PV)	FLOW MCFD
1	10.84	27.04	348.2	0.9662	1.2390	1.0282	361.
2	10.84	44.62	398.2	0.9840	1.2390	1.0371	612.
3	10.84	67.42	413.2	0.9804	1.2390	1.0376	921.
4	10.84	103.65	413.2	0.9813	1.2390	1.0378	1418.

NO.	P (R)	TEMP. R	T (R)	Z	GAS LIQ RATIO, MCF/BBL	15.224
1	0.52	557.	1.49	0.946	API G OF HYDROCARBONS	59.0
2	0.59	537.	1.44	0.930	SP G SEPARATOR GAS	0.651 XXXXX
3	0.62	541.	1.45	0.929	SP G FLOWING FLUID	XXXXX 0.815
4	0.62	540.	1.45	0.928	CRITICAL PRES., PSIA	670. 662.
					CRITICAL TEMP., R	373. 424.

NO.	PW	PW*PW	PC*PC-PW*PW	PC =	3934.6
1	3709.	13755.	1727.	PC =	15481.
2	3559.	12669.	2813.	PC*PC =	1.7877
3	3219.	10362.	5119.	PC*PC/(PC*PC-PW*PW) =	1.6162
4	2612.	6821.	8660.	(PC*PC/(PC*PC-PW*PW))*N =	2292.
				ADF (MCF/DAY) =	