

LEASE : BASS
WELL : 2
S/T/R : 1 22S 27E
COUNTY: EDDY
STATE : NEW MEXICO

: INITIAL
ST DATE: 11/ 4/87

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

COMPANY: WESTRN OIL PRODUCERS
FIELD: CARLSBAD EAST POOL:
COMPLETED 11 1 87 TD = 9950.
CSG SIZE = 4.5000 WT = 11.60
TBG SIZE = 2.3750 WT = 4.70
TYPE COMPLETION: SINGLE
PRODUCING THROUGH: TUBING
RESERVOIR TEMP., F = 170. @ 9773. FT.
CONNECTION: TO AIR
RESERVOIR: WOLFCAMP
PBD = 9835. ELEV = 3089.
SET AT 9835. PERF: 9742.- 9804.
SET AT 9600. PERF: 0.- 0.
PACKER SET AT: 9600.
BARO.PRESS = 13.20 PSIA
MEAN GROUND TEMP., F = 60.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
9773.	9773.	0.685	0.97	0.54	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								3685.	170.	72.0
1	4.03 X	1.750	90.	2.0	56.	0.	0.	3626.	170.	1.0
2	4.03 X	1.750	120.	15.0	54.	0.	0.	3499.	170.	1.0
3	4.03 X	1.750	122.	27.0	56.	0.	0.	3342.	170.	1.0
4	4.03 X	1.750	190.	78.0	50.	0.	0.	3015.	170.	1.0

NO.	COEFFICIENT (24 - HOUR)	SHORT. (HWPM)	PRESS. PM	T-FACTR F (T)	G-FACTR F (G)	SC-FACTR F (PV)	FLOW MCFD
1	14.93	14.37	103.2	1.0039	1.2081	1.0115	263.
2	14.93	44.70	133.2	1.0058	1.2081	1.0152	823.
3	14.93	60.42	135.2	1.0039	1.2081	1.0152	1110.
4	14.93	125.90	203.2	1.0098	1.2081	1.0239	2347.

NO.	P (R)	TEMP. R	T (R)	Z		
					GAS LIQ RATIO, MCF/BBL	7.572
1	0.15	516.	1.35	0.977	API G OF HYDROCARBONS	63.3
2	0.20	514.	1.35	0.970	SP G SEPARATOR GAS	0.685 XXXXX
3	0.20	516.	1.35	0.970	SP G FLOWING FLUID	XXXXX 0.980
4	0.30	510.	1.34	0.954	CRITICAL PRES., PSIA	672. 657.
					CRITICAL TEMP., R	382. 474.

NO.	PW	PW*PW	PC*PC-PW*PW		
1	2215.	4907.	222.	PC =	2264.9
2	2110.	4453.	677.	PC*PC =	5130.
3	1982.	3929.	1200.	PC*PC/(PC*PC-PW*PW)=	2.3854
4	1726.	2979.	2150.	(PC*PC/(PC*PC-PW*PW))*N =	2.3069
				ADF (MCF/DAY)=	5415.