

CONFIDENTIAL

UNIT :
 LEASE : PARLAY FEDERAL
 WELL : 1
 TAP : 1-23-31E
 COUNTY : EDDY
 STATE : NEW MEXICO

TYPE TEST : 4 POINT
 : INITIAL
 TEST DATE : 11/20/84

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

COMPANY: UNION OIL CO. OF CALIFOR
 FIELD: WILDCAT POOL:
 COMPLETED TD = 15500.
 CSG SIZE = 4.5000 WT = 13.50
 TPG SIZE = 2.3750 WT = 4.70
 TYPE COMPLETION: SINGLE
 PRODUCING THROUGH: TUBING
 RESERVOIR TEMP., F = 205. @14818. FT.
 CONNECTION: WOPL
 RESERVOIR: MORROW
 PRD = 14850. ELEV = 3495.
 SET AT 15388. PERF: 14818. - 14832.
 SET AT 14754. PERF: 0. - 0.
 PACKER SET AT: 14754.
 BARD. PRESS = 13.20 PSIA
 MEAN GROUND TEMP., F = 50.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
14818.	14818.	0.584	0.	0.	0.	0.	4.0	FLANGE

NO.	LINE SIZE	ORI. SIZE	FLOW PSIG	HW IN.	FLOW TEMP	TRG. PSIG	TRG. TEMP	CSG. PSIG	CSG. TEMP	FLOW HRS.
1	4.03	1.250	600.	8.0	80.	5150.	50.			48.0
2	4.03	1.250	600.	28.0	80.	4550.	61.	0.	0.	1.2
3	4.03	1.250	600.	64.0	84.	4360.	60.	0.	0.	0.7
4	4.03	1.750	600.	28.0	80.	4370.	60.	0.	0.	0.2
						3950.	67.	0.	0.	0.2

NO.	COEFFICIENT (24 - HOUR)	SOFT. (HWPM)	PRESS. PM	T-FACTOR F (CT)	G-FACTOR F (G)	SC-FACTOR F (PV)	FLOW MCFD
1	7.47	70.04	613.2	0.9813	1.3086	1.0449	702.
2	7.47	131.03	613.2	0.9813	1.3086	1.0449	1313.
3	7.47	198.10	613.2	0.9777	1.3086	1.0436	1976.
4	14.93	131.03	613.2	0.9813	1.3086	1.0449	2624.

NO.	P (R)	TEMP. R	T (R)	Z	GAS LIQ RATIO, MCF/BBL	API G OF HYDROCARBONS	SP G SEPARATOR GAS	SP G FLOWING FLUID	CRITICAL PRES., PSIA	CRITICAL TEMP., R
1	0.91	540.	1.53	0.916			0.584	XXXXX	673.	354.
2	0.91	540.	1.53	0.916						
3	0.91	544.	1.54	0.918						
4	0.91	540.	1.53	0.916						

NO.	PM	PM+PM	PC+PC+PM+PM	PC =	PC+PC =	PC+PC/(PC+PC+PM+PM) =	(PC+PC/(PC+PC+PM+PM)) * N =
1	4566.	20866.	6000.				5183.3
2	4386.	19239.	7628.				26867.
3	4403.	19429.	7438.				2.4610
4	3994.	15950.	10917.				2.4610