

UNIT :
 LEASE : NORTHERN NATURAL STATE
 WELL : 1
 S/T/R : 28-22S-35E
 COUNTY: LEA
 STATE : NEW MEXICO

TYPE TEST: 1 POINT
 : INITIAL
 TEST DATE: 6/ 2/77

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

COMPANY: UNION OIL OF CAL.
 FIELD: ABRA PROSPECT
 COMPLETED 5-31-77 TD = 15390
 CSG SIZE = 7.6250 WT = 39.00
 TBG SIZE = 2.8750 WT = 6.50
 TYPE COMPLETION: NATURAL
 PRODUCING THROUGH: TUBING
 RESERVOIR TEMP., F = 176 @ 13560 FT.

CONNECTION:
 RESERVOIR: MORROW
 PED = 14430 ELEV = 3548
 SET AT 14601 PERF: 13557-13565
 SET AT 12696 PERF: 0-0
 PACKER SET AT: 12655
 BARO. PRESS = 13.20 PSIA
 SEAN GROUND TEMP., F = 78

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
13560	13560	.640	.13	.60	0.	0.	4.0	FLANGE

NO.	LINE SIZE	ORI. SIZE	FLOW PSIG	IN.	FLOW TEMP	T&G. PSIG	T&G. TEMP	CSG. PSIG	CSG. TEMP	FLOW M.B.
SI						5100				18.0
1	4.03	X 2.000	220	39.0	76	320	78	0	0	1.0
2										
3										
4										

NO.	COEFFICIENT (24 - HOUR)	SQRT. (1/4TH)	PRESS. PSI	T-FACTOR F(T)	C-FACTOR F(C)	SC-FACTOR F(PV)	FLOW MCF/D
1	19.81	95.37	233.2	.9850	1.2500	1.5211	2375
2							
3							
4							

NO.	P(1)	TEMP. F	T(F)	Z	GAS LIQ. RATIO, MCF/BSL	API G OF HYDROCARBONS	SP G SEPARATOR GAS	SP G FLOWING FLUID	CRITICAL PRESS., PSIA	CRITICAL TEMP., F
1	.35	936	1.45	.950	76.526	50.8	1.440	1.976	670	365
2										
3										
4										
5										

NO.	PW	PW*PW	PC*PC-PW*PW	PC =	PC*PC =	PC*PC/(PC*PC-PW*PW) =	(PC*PC/(PC*PC-PW*PW))*Z =
1	426	181	25719	5039.2	25900	1.0071	1.0071
2							
3							
4							
5							