

LEASE : Carthel Federal
WELL : 2
S/T/R : 5/23S/29E
COUNTY: EDDY
STATE : NEW MEXICO

FILE :
: INITIAL
DATE: 12/18/85

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

COMPANY: The Eastland Oil Company
FIELD: Wildcat Atoka POOL:
COMPLETED 12 17 85 TD = 12119.
CSG SIZE = 7.0000 WT = 26.00
TBG SIZE = 2.3750 WT = 4.70
TYPE COMPLETION: SINGLE
PRODUCING THROUGH: TUBING
RESERVOIR TEMP., F = 192. @12002. FT.
CONNECTION: TO AIR
RESERVOIR: ATOKA
PBD = 12119. ELEV = 3003.
SET AT 12119. PERF: 11990.-12014.
SET AT 11825. PERF: 0.- 0.
PACKER SET AT: 11728.
BARO. PRESS = 13.20 PSIA
MEAN GROUND TEMP., F = 60.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
12002.	12002.	0.592	0.63	0.87	0.	0.	4.0	FLANGE

NO.	LINE SIZE	ORI. SIZE	FLOW PSIG	HW IN.	FLOW TEMP	TBG. PSIG	TBG. TEMP	CSG. PSIG	CSG. TEMP	FLOW HRS.
SI						5540.	72.			24.0
1	4.03 X	1.500	260.	4.0	112.	5370.	70.	0.	0.	1.0
2	4.03 X	1.500	260.	8.0	124.	5200.	73.	0.	0.	1.0
3	4.03 X	1.500	265.	16.0	124.	4940.	73.	0.	0.	1.0
4	4.03 X	1.500	270.	30.0	122.	4560.	74.	0.	0.	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	10.84	33.06	273.2	0.9535	1.2997	1.0158	451.
2	10.84	46.75	273.2	0.9436	1.2997	1.0145	631.
3	10.84	66.72	278.2	0.9436	1.2997	1.0147	900.
4	10.84	92.17	283.2	0.9452	1.2997	1.0152	1246.

NO.	P (R)	TEMP. R	T (R)	Z	GAS LIQ RATIO, MCF/BBL	0.
1	0.41	572.	1.62	0.969	API G OF HYDROCARBONS	0.
2	0.41	584.	1.66	0.972	SP G SEPARATOR GAS	0.592 XXXXX
3	0.41	584.	1.66	0.971	SP G FLOWING FLUID	XXXXX 0.592
4	0.42	582.	1.65	0.970	CRITICAL PRES., PSIA	674. 674.
					CRITICAL TEMP., R	353. 353.

NO.	PW	PW*PW	PC*PC*PW		
1	5374.	28881.	1820.	PC =	5540.8
2	5201.	27047.	3653.	PC*PC =	30700.
3	4942.	24425.	6275.	PC*PC/(PC*PC-PW*PW) =	2.1025
4	4564.	20827.	9873.	(PC*PC/(PC*PC-PW*PW))*N =	2.2125
				AUF (MCF/DAY) =	2756.7