

UNIT : M
 LEASE : LOWE STATE
 WELL : 2
 S/T/R : 36 215 23E
 COUNTY: EDDY
 STATE : NEW MEXICO

TYPE TEST: 4 POINT
 : INITIAL
 TEST DATE: 12/ 5/86

NEW MEXICO OIL CONSERVATION COMMISSION
 MULTIPPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS
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COMPANY: BHP PETROLEUM	CONNECTION: TO AIR
FIELD: INDIAN BASIN	RESERVOIR: UPPER PENN
COMPLETED 12 4 86	PBD = 7400. ELEV = 3845.
TD = 7415.	SET AT 7415. PERF: 7356.- 7372.
CSG SIZE = 7.0000	WT = 26.00
TBG SIZE = 2.3750	WT = 4.70
TYPE COMPLETION: SINGLE	PACKER SET AT: 7306.
PRODUCING THROUGH: TUBING	BARO.PRESS = 13.20 PSIA
RESERVOIR TEMP., F =145. @ 7364. FT.	MEAN GROUND TEMP., F = 60.

L	H	G	% CO2	% N2	% H2S	PROVER	M-RUN	TAPS
7364.	7364.	0.626	0.52	0.55	0.	0.	3.1	FLANGE

NO.	LINE SIZE	ORI. SIZE	FLOW PSIG	HW IN.	FLOW TEMP	TBG. PSIG	TBG. TEMP	CSG. PSIG	CSG. TEMP	FLOW HRS.
SI						1311.	64.			24.0
1	3.07 X	1.000	205.	3.0	64.	1224.	64.	0.	0.	1.0
2	3.07 X	1.000	220.	7.5	72.	1169.	64.	0.	0.	1.0
3	3.07 X	1.000	220.	14.0	68.	1030.	64.	0.	0.	1.0
4	3.07 X	1.000	225.	26.0	64.	888.	64.	0.	0.	1.0

NO.	COEFFICIENT (24 - HOUR)	SQRT. (HWPM)	PRESS. PM	T-FACTR F (T)	G-FACTR F (G)	SC-FACTR F (PV)	FLOW MCFD
1	4.79	25.59	218.2	0.9962	1.2639	1.0201	157.
2	4.79	41.82	233.2	0.9887	1.2639	1.0205	255.
3	4.79	57.14	233.2	0.9924	1.2639	1.0211	350.
4	4.79	78.70	238.2	0.9962	1.2639	1.0220	485.

NO.	F (R)	TEMP. R	T (R)	Z		
					GAS LIQ RATIO, MCF/BBL	0.
1	0.32	524.	1.44	0.961	API G OF HYDROCARBONS	0.
2	0.35	532.	1.46	0.960	SP G SEPARATOR GAS	0.626
3	0.35	528.	1.45	0.959	SP G FLOWING FLUID	XXXXX
4	0.35	524.	1.44	0.957	CRITICAL PRES., PSIA	673.
					CRITICAL TEMP., R	364.

NO.	PW	PW*PW	PC*PC-PW*PW		
1	1236.	1529.	222.	PC =	1323.1
2	1182.	1397.	354.	PC*PC =	1751.
3	1044.	1090.	661.	PC*PC/(PC*PC-PW*PW)=	1.8738
4	904.	816.	934.	(PC*PC/(PC*PC-PW*PW))*N =	1.6333
				AOE (MCF/DAY)=	792.

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