

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT, ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form O-142
 Revised 9-1-65

*clsf
 File RM*

Type of Test ☒ Initial ☐ Annual ☐ Special		Date 1/18/83	
Company Perry R. Bass ✓		Formation Air	
Well Undesignated		Unit #	
Completion Date 1/15/83	Total Depth 12450	Flow Back To 11307	Elevation 3160.8 G.L.
Well No. 95		Field or Lease Name Big Eddy Unit	
Casing Size 7"	Set At 12450	Perforations From 11298 To 11304	Unit B
Flow Size 2 3/8	Set At 11075	Perforations From To	Sec. 33
Type of Well - Single - Branchhead - G.G. or G.O. Multiple Single		Packer Set At 11075	County Eddy
Producing Time Tbg.	Reservoir Temp. °F 187 @ 11301	Mean Annual Temp. °F 60°	Baro. Press. - P _a 13.2
L 11301	H 11301	G _g .5882	% CO ₂ .446
		% N ₂ 1.022	% H ₂ S Prover
			Meter Run 4"
			Flg. Flg.

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							5350				24 hrs
1.	4 x 1.250			740	2.0	110	4920				1 hr
2.	4 x 1.250			730	4.0	120	4720				1 hr
3.	4 x 1.250			735	13.0	120	4100				1 hr
4.	4 x 1.250			735	23.0	118	3380				1 hr
5.	4 x 1.250			660	24.0	75	2350				4 hrs

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Comp. Factor, F _{pv}	Rate of Flow Q, Mgd
1	7.469	38.81	753.2	.9551	1.304	1.044	377
2	7.469	54.52	743.2	.9469	1.304	1.041	523
3	7.469	98.62	748.2	.9469	1.304	1.041	947
4	7.469	131.18	748.2	.9485	1.304	1.042	1263
5	7.469	127.11	673.2	.9859	1.304	1.058	1291

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1	1.12	570	1.61	.917	172.375	49 @ 60°	.5882	.6066	672	354
2	1.11	580	1.64	.923						
3	1.11	580	1.64	.923						
4	1.11	578	1.63	.921						
5	1.00	535	1.51	.893						

NO.	BHP	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1	6197.2	5012.5	25125.5	3638.4	1.691	1.466
2	6027.2	4859.8	23617.6	5146.8		
3	5240.2	4163.2	17332.0	11431.9		
4	4386.2	3428.9	11757.3	17006.6		
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