

NEW MEXICO OIL CORPORATION - OIL FIELD MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 7-31-81		AUG 07 1981			
Company Bass Enterprises						Connection		O. G. O.			
Pool Bar						Formation		Unit ARTERIAL OFFICE			
Completion Date			Total Depth		Plug Back TD		Elevation		Farm or Lease Name Big Eddy		
Csg. Size		Wt.	d	Set At	Perforations: From To		Well No. 79 Y		Unit Sec. Twp. Rge.		
Tub. Size		Wt.	d	Set At	Perforations: From To		County Eddy		State New Mexico		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple						Factor Set At		Meter Run X		Taps	
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. P _a		L		H	
11590		11590		.5848		0		0		0	
FLOW DATA											
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	Duration of Flow
SI											
1.	3.0		1.5	6.0	3.0	98	3993	84			1 Hr.
2.	3.0		1.5	6.1	7.5	80	3695	83			1 Hr.
3.	3.0		1.5	6.1	8.9	84	3325	83			1 Hr.
4.	3.0		1.5	6.1	9.6	81	3237	83			1 Hr.
5.							3233	80			1 Hr.
RATE OF FLOW CALCULATIONS											
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor FL	Gravity Factor F _g	Super. Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd				
1	11.13	*	445.2	.9653	1.309	1.028	637				
2	11.13	*	446.5	.9813	1.309	1.027	1645				
3	11.13	*	446.5	.9777	1.309	1.027	1953				
4	11.13	*	446.5	.9804	1.309	1.027	2104				
5											
NO.	R _f	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio None Measured Mcf/bbl.						
1	.66	558	1.59	.947	A.P.L. Gravity of Liquid Hydrocarbons _____ Deg.						
2	.66	540	1.54	.938	Specific Gravity Separator Gas _____ X X X X X X X X						
3	.66	544	1.55	.939	Specific Gravity Flowing Fluid _____ X X X X X						
4	.66	541	1.54	.938	Critical Pressure 672 P.S.I.A. 672 P.S.I.A.						
5					Critical Temperature 350 °R 350 °R						
P _c 5061.2 P _c ² 25615					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 4.07947$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.77913$						
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5847$						
1		4544.2	20650	4965							
2		4316.2	18630	6985							
3		4487.2	20135	5480							
4		4397.2	19336	6279							
5											
Absolute Open Flow 5847 Mcfd @ 15.025					Angle of Slope 54			Slope, n .727			
Remarks: Includes L-10 meter factor 2.4495											
Approved By Commission: _____ Conducted By: _____ Calculated By: _____ Checked By: _____											