

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

Form C-122
Revised 9-1-65

RECEIVED

*SF
File
122*

DEC 12 1979

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 11-20-79		DEC 12 1979	
Company Perry R. Bass				Connection None		O. C. C. ARTESIA, OFFICE	
Pool Golden Lane Morrow				Formation Morrow		Unit Big Eddy Unit	
Completion Date 11-20-79		Total Depth 12,825		Plug Back TD 12,750 12749		Elevation 3431 GR	
Csg. Size 5 1/2		Wt. 15 1/2 #		Set At 12,825		Perforations: From 12,595 To 12,641	
Thq. Size 2 3/8		Wt. 4.7		Set At 12,576		Perforations: From To	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single				Packer Set At 12,550		County Eddy	
Producing Thru Tubing		Reservoir Temp. °F 197 @ 12,590		Mean Annual Temp. °F 68		Baro. Press. - P _a 13.2	
L 12,576		H 12,576		G _g .625		% CO ₂ None	
				% N ₂ None		% H ₂ S None	
				Prover		Meter Run 4.026	
						Taps Flange	

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.	
SI							3839		Packer	
1.	4.026	1.0	115	2.5	52	3752	70			60 Min.
2.	4.026	1.0	125	8.0	40	3601	70			60 Min.
3.	4.026	1.0	130	12.2	34	3498	69			60 Min.
4.	4.026	1.0	350	36	69	2963	70			60 Min.
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	4.753	17.90	128.2	1.008	1.265	1.014	110
2	4.753	33.25	138.2	1.020	1.265	1.015	207
3	4.753	41.80	143.2	1.026	1.265	1.015	262
4	4.753	114.35	363.2	.9915	1.265	1.033	704
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	None	Mcf/bbl.
1	.20	512	1.40	.973	A.P.I. Gravity of Liquid Hydrocarbons	None	Deg.
2	.21	500	1.37	.970	Specific Gravity Separator Gas	.625	XXXXXXX
3	.21	494	1.35	.970	Specific Gravity Flowing Fluid	XXXXX	
4	.54	529	1.45	.938	Critical Pressure	671	P.S.I.A.
5.					Critical Temperature	365	R

P _c 5077.2	P _c ² 25778	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.6874$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.598$
NO.	P _t ²	P _w	P _w ²
1		4979.2	24792
2		4800.2	23042
3		4708.2	22167
4		4023.2	16186
5			

Absolute Open Flow 1829		Mcf @ 15.025	Angle of Slope 46	Slope, n .9657
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Remarks: Pw Substituted for Pt measured with Amerada Instrument No. 37485 - 0 - 6000#

Element

Approved By Commission:	Conducted By: Morgan	Calculated By: Spruell	Checked By: Lambert
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*Posted
ID 2 + Book
12-14-79
SL*