

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

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special										Test Date 11-28-80		DEC 18 1980	
Company DAVID FASKEN					Connection Transwestern Pipeline Company								
Pool Atoka					Formation Penn. Lime					Unit O. C. D. ARTESIA, OFFICE			
Completion Date 11-17-80			Total Depth 9100'		Plug Back TD 7992'		Elevation 3290' GR		Farm or Lease Name Bradshaw				
Csg. Size 4-1/2"	Wt. 10.50	d 4.052	Set At 9095'	Perforations: From 7905' To 7922'				Well No. 1					
Tbg. Size 2-3/8"	Wt. 4.70	d 1.995	Set At 7583'	Perforations: From None To				Unit Sec. Twp. Rge. G 2 18-S 26-E					
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas										Packer Set At 7583'		County Eddy	
Producing Thru Tubing		Reservoir Temp. °F 146 @ 7914		Mean Annual Temp. °F 60		Baro. Press. - P _a 13.2		State New Mexico					
L 7583'	H 7583'	Gg 0.612	% CO ₂ N.A.	% N ₂ N.A.	% H ₂ S N.A.	Prover ---	Meter Run 4"	Taps Flange					

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. I _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
1.	4" x 0.375			---	---	---	741		Pkr		24
2.							130	75	"		24
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	0.6674	20.73	143.2	0.9859	1.278	1.011	17.6
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Dry Gas	Mcf/abl.
1.	0.213	535	1.48	0.978	A.P.I. Gravity of Liquid Hydrocarbons	48.9	
2.					Specific Gravity Separator Gas	0.612	
3.					Specific Gravity Flowing Fluid	XXXXXX	XXXXXX
4.					Critical Pressure	671	P.S.I.A.
5.					Critical Temperature	362	R

P _c 754.2	P _c ² 568.8					
NO.	P _i ²	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.		167.3	279.9	288.9	1.97	1.97
2.						
3.						
4.						
5.						

Absolute Open Flow 34.7 Mcfd @ 15.025			Angle of Slope θ 45°		Slope, n 1.000	
Remarks:						

Approved By Commission:	Conducted By: Gray Pumping Service	Calculated By: Robert H. Angevine	Checked by:
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