

TRANSWESTERN PIPELINE COMPANY

MULTIPOINT BACK-PRESSURE TEST REPORT				BTU 881	
Type Test:	☐ Initial	☐ Annual	☒ Special	6-19-74	Lease No. or Serial No.
Company	R.L. Force		Connection	None	Allottee
Field	Sams Ranch		Reservoir	Premier Sand	Unit
Completion Date	7-30-73		Total Depth	1920	Plug Back TD
					Elevation
					3618
Csg. Size	5 1/2	24#	Sat. At	1866	Perforations: From
					1866 - 1920 OH.
Tub. Size	2 3/8	4.7	Sat. At	1846	Perforations: From
					To
Type Completion (Describe)	Single		Plucker Set At	None	County or Parish
Producing thru	Tubing		Reservoir Temp. F	82	Mean Annual Temp. F
					60
					Baro. Press. P _a
					13.2
					State
					New Mex.
					Progr. Motor Run
					Tests

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow, Hr.
NO.	Prover Line Size	Choke Orifice Size	Press. psig	Diff. h _w	Temp. F	Press. psig	Temp. F	Press. psig	Temp. F	
1.	2 X 3/8		315		73	315	73			2-15 Min.
2.	2 X 1/4		560		75	560	75			4 1/2
3.	2 X 3/16		756		72	756	72			4 1/2
4.										
5.										

NO.	Coefficient (24-Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor, F ₁	Gravity Factor, F ₂	Super Compress. Factor F ₃	Rate of Flow Q, Mcfd
1.	2.439		328	0.9877	1.159	1.024	938
2.	1.115		573	0.9859	1.159	1.041	760
3.	0.6237		769	0.9887	1.159	1.057	581
4.							
5.							

NO.	P ₁	Temp. R	T ₁	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.	.52	533	1.55	.953	API Gravity of Liquid Hydrocarbons	
2.	.91	535	1.56	.922	Specific Gravity Separator Gas	.744
3.	1.22	532	1.55	.895	Specific Gravity Flowing Fluid	
4.					Critical Pressure	626 psia
5.					Critical Temperature	342 R

NO.	P ₁	P ₁ ²	P ₁ ² - P _w ²	P _w	P _w ²	P ₁ ² - P _w ²	P ₁	P ₁ ²	P ₁ ² - P _w ²
1.	328	107	1496				357	127	1674
2.	573	328	1275				608	370	1431
3.	769	591	1012				814	663	1138
4.									
5.									

ROF $\frac{1010}{1.000}$ Mcfd

Bottom Hole Pressure Calc. By UCS Time Sharing System.

Company G. Varney
Others Herman Wallis

RECEIVED

JAN 11 1978

O. C. C.
ARTERIA OFFICE

7-2 e & f taken