

Well: Blanco Mesa Verde Location: Mesa Verde Section: Rio Arriba
 Direction: Yes Test Date: 9-30-63
 Company: Caulkins Oil Company Lease: Breech "E" Section: MD 64
 Well: A Sp. Gr. 1 Sp. Gr. 26N Age: 6W Operator: Southern Union Gas Company
 Gas In: 5 1/2" W. 15.5 Sp. Gr. 17.0 Sp. Gr. 4.95 Set No: 7711 4924 To 5482
 Tubing 1 1/4" W. 2.4 Sp. Gr. 1.3 Set No: 5374 5374 To
 Gas In: 4924 To 5482 Sp. Gr. 5374 .600 3289 Bar. Press. 12
 Production: Flowing Rating: No Tubing: Yes Gas - Gas Dual
 Date of Completion: 9-18-63 Well No: 7340 Sp. Gr. 1500

Observations

Tested by: XXXXXX (Initials) XXXXXX (Name)

Flow Data

No.	Pressure (In. Hg)	(Groove) (Orifice) Size	Pressure (psig)	Duration (hr)	Temp. (°F)
SI					990
1.		3/4"			93
2.					
3.					
4.					
5.					

Flowing Data

Pressure (psig)	Temp. (°F)	Duration of Flow (hr)
989		7 day SI
649		3 hours

Flow Coefficient

No.	Coefficient (24-Hour)	$\sqrt{h_w P_f}$	Pressure (psia)	Flow Rate (MCFPD)
1.	14.1605		105	1.000
2.				1.000
3.				
4.				
5.				

Compress. Factor (p _w)	Rate of Flow Q-MCFPD @ 15.025 psia
1.010	1502

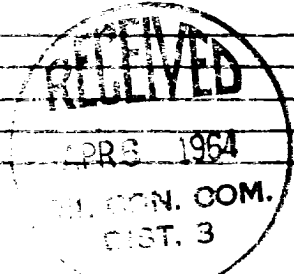
Pressure

Gas Liquid Hydrocarbon Ratio: _____ of/1000
 Gravity of Liquid Hydrocarbons: _____
 Gravity Separator Gas: _____
 Gravity Flowing Fluid: _____
 P_c: _____ P_c: 1,004.004

No.	P _w (psia)	P _f	P _c	P _w / P _c
1.				
2.			436,921	567,083
3.				.659
4.				
5.				

Absolute Potential: 2304 MCFPD (1.77)n 1.5345

COMPANY: Caulkins Oil Company
 ADDRESS: P. O. Box 788, Farmington, New Mexico
 AGENT and TITLE: Frank [Signature] Production Superintendent
 WITNESSED: _____
 COMPANY: _____



INSTRUCTIONS

This form is to be used for reporting multi-point back pressure tests on gas wells in the State, except those on which special orders are applicable. Three copies of this form and the back pressure curve shall be filed with the Commission at Box 871, Santa Fe.

The log log paper used for plotting the back pressure curve shall be of at least three inch cycles.

NOMENCLATURE

- Q = Actual rate of flow at end of flow period at W. H. working pressure (P_w).
MCF/da. @ 15.025 psia and 60° F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
psia
- P_w = Static wellhead working pressure as determined at the end of flow period.
(Casing if flowing thru tubing, tubing if flowing thru casing.) psia
- P_t = Flowing wellhead pressure (tubing if flowing through tubing, casing if
flowing through casing.) psia
- P_f = Meter pressure, psia.
- h_w = Differential meter pressure, inches water.
- F_g = Gravity correction factor.
- F_t = Flowing temperature correction factor.
- F_{pv} = Supercompressibility factor.
- n = Slope of back pressure curve.

Note: If P_w cannot be taken because of manner of completion or condition of well, then P_w must be calculated by adding the pressure drop due to friction within the flow string to P_t .