

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool South Blanco-Isotured Cliffs Information Pictured Cliffs County San Juan
Initial X Annual _____ Special _____ Date of Test 5-17-57
Company PAN AMERICAN PETROLEUM CORP. Lease da Candelario Well No. 1
Unit K Sec. 36 Twp. 28N Rge. 9 Purchaser None (Shut-in)
Casing 5 1/2" Wt. 14.7 I.D. 5.012 Set at 2134 Perf. 2034 To 2076
Tubing 1 1/2" Wt. 2.44 I.D. 1.380 Set at 2034 Perf. 2028 To 2032
Gas Pay: From 2034 To 2076 L 2034 XG .65 est. -GL _____ Bar.Press. _____
Producing Thru: Casing 1 Tubing _____ Type Well Single Gas
Single-Bradenhead-G. G. or G.O. Dual _____
Date of Completion: 5-17-57 Packer _____ Reservoir Temp. 91° F

OBSERVED DATA

Tested Through (Prover) (Choke) (Meter)

Type Taps _____

No.	Flow Data				Tubing Data		Casing Data		Duration of Flow Hr.
	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.
SI	<u>Shut-in</u>	<u>14 days</u>				<u>82</u>		<u>82</u>	
1.		<u>3/4"</u>	<u>370</u>		<u>60</u>	<u>82</u>	<u>60</u>		<u>3 hrs.</u>
2.									
3.									
4.									
5.									

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_w P_f}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	<u>12,350</u>		<u>382</u>	<u>1.000</u>	<u>.9608</u>	<u>1.060</u>	<u>4,719</u>
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
F_c _____ (1-e^{-S})

Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
P_c 836 P_c 6,989

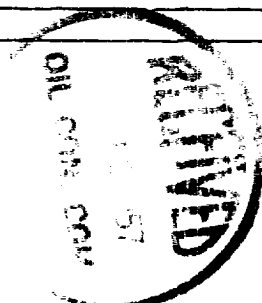
No.	$\frac{P_w}{P_c}$ P _c (psia)	$\frac{P_c^2}{P_w}$	P _c Q	(P _c Q) ²	$\frac{(P_c Q)^2}{(1-e^{-S})}$	P _w ²	P _c ² -P _w ²	Cal. P _w	$\frac{P_w}{P_c}$
1.						<u>1,568</u>	<u>3,421</u>		<u>.4737</u>
2.									
3.									
4.									
5.									

Absolute Potential: 5,091 MCFPD; n .85COMPANY PAN AMERICAN PETROLEUM CORPORATIONADDRESS Box 487, Farmington, New MexicoAGENT and TITLE H. H. Bauer, Jr., Field Engineer

WITNESSED _____

COMPANY _____

REMARKS _____



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