

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Astec Formation Pictured Cliffs County San Juan
Initial x Annual _____ Special _____ Date of Test Aug. 18, 1959
Company Pubco Petroleum Corporation Lease Delhi State Well No. 1
Unit I Sec. 36 Twp. 30N Rge. 9W Purchaser El Paso Natural Gas Company
Casing 4 3/4 OD Wt. 9.5 I.D. _____ Set at 2641 Perf. 2524 To 2546
Tubing 1.9 Wt. 2.75 I.D. _____ Set at 2495 KB Perf. 2425 To 2490
Gas Pay: From _____ To _____ L _____ xG .65 -GL _____ Bar.Press. 12 1/2
Producing Thru: Casing _____ Tubing x Type Well Single
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: _____ Packer No Reservoir Temp. 95

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.	
1.		<u>.75</u>	<u>190</u>		<u>50(est)</u>	<u>1076</u> <u>190</u>	<u>50</u>	<u>1076</u> <u>490</u>		<u>3 hours</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.							
2.	<u>12.365</u>		<u>202</u>	<u>1.0098</u>	<u>.9608</u>	<u>1.021</u>	<u>2.473</u>
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 1088 P_c² 1183

No.	P _w P _t (psia)	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-s})	P _w ²	P _c ² -P _w ²	Cal. P _w	P _w P _c
1.									
2.									
3.									
4.									
5.									

Absolute Potential: 3.027 MCFPD; n .85

COMPANY PURCO PETROLEUM CORPORATION
ADDRESS 108 West Chuuka, Astec, New Mexico
AGENT and TITLE M. L. Seelinger, Dist. Engr.
WITNESSED Jack Running
COMPANY Pubco Petroleum Corporation

REMARKS

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DIST. 3

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