NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122
Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Aztec P.C. Formation Pictured Cliff County San Juan

Initial X Annual ____ Special ____ Date of Test 7-30-59

Company PUBCO PETROLEUM CORPORATION Lease State Well No. 3 PC

Unit H Sec. 32 Twp. 29N Rge. 8W Purchaser El Paso Natural Gas Company

Casing 7" Wt. 20 & 23 I.D. ____ Set at 4010 Perf. 2352 2406 To 2366 2414

Tubing 1" Wt. 1.7 I.D. ____ Set at 2397 Perf. 2397 To 2349 (2 jts.)

Gas Pay: From 2352 To 2414 L ____ xG .65 -GL ____ Bar.Press. ____

Producing Thru: Casing ____ Tubing X Type Well ~~Single Bradenhead~~-G. G. ~~Multiple~~ Dual

Date of Completion: 7-19-59 Packer 5" at 3950 Reservoir Temp. 80°

OBSERVED DATA

Tested Through ~~(Prover)~~ (Choke) ~~(Meter)~~ Type Taps ____

No.	Flow Data (Prover) (Line) Size	Flow Data (Choke) (Orifice) Size	Flow Data Press. psig	Flow Data Diff. h_w	Flow Data Temp. °F.	Tubing Data Press. psig	Tubing Data Temp. °F.	Casing Data Press. psig	Casing Data Temp. °F.	Duration of Flow Hr.
SI	2"	3/4	972			972		972		Shut in
1.	2"	3/4	91			91		586	64°	3 hours
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.	12.3650		103	.9962	.9608	1.009	1230
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

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

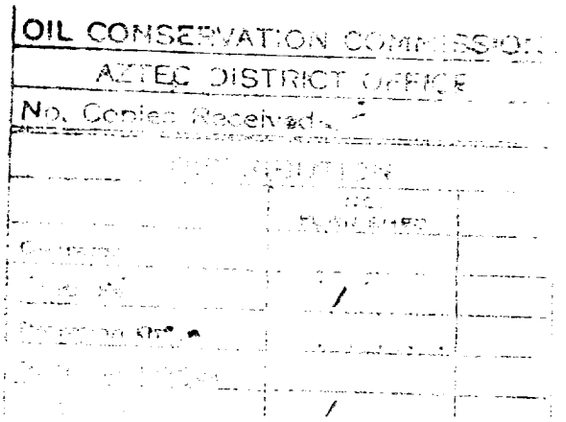
Specific Gravity Separator Gas .65
Specific Gravity Flowing Fluid ____
P_c 984 P_c^2 968.256

No.	P_w P_t (psia)	P_t^2	F_cQ	$(F_cQ)^2$	$\frac{(F_cQ)^2}{(1-e^{-s})}$	P_w^2	$P_c^2-P_w^2$	Cal. P_w	$\frac{P_w}{P_c}$
1.									
2.									
3.									
4.									
5.									

Absolute Potential: 1819 MCFPD; n .85

COMPANY PUBCO PETROLEUM CORPORATION
ADDRESS 108 West Chuska, Aztec, New Mexico
AGENT and TITLE N. E. Maxwell, Jr., Mgr. Prod. Dept. N E Maxwell Jr
WITNESSED Fred Cook Jack Dunning
COMPANY N.M.O.C.C. Pubco Petroleum Corp.

REMARKS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AZTEC DISTRICT OFFICE
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