

NEW MEXICO OIL CONSERVATION COMMISSION
MULTI-POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 12-1-55

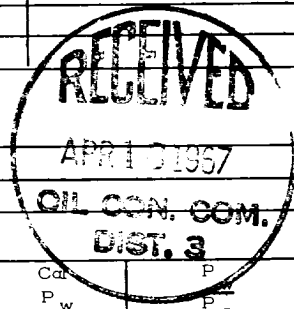
Pool Basin Dakota			Formation Dakota			County San Juan		
Initial X		Annual		Special		Date of Test April 14, 1967		
Company PURCO PETROLEUM CORP.			Lease State Con. AK			Well No. 35		
Unit B	Sec. 36	Twp. 32 North	Range 12 West		Purchaser El Paso Natural Gas Company			
Casing 4.5" OD	Wt. 10.5/ft	I.D. 4.052"	Set at 7640 KB		Perf. 7406	To 7627		
Tubing 2 3/8" OD	Wt. 4.7/ft	I.D. 1.995"	Set at 7620		Perf.	To		
Gas Pay: 7406'		From 7627	To 7627	L .650	G	GL	Bar. Press.	
Producing Through: Tubing			Type Well — Single — Braden head — G.G. or G.O. Dual Single					
Date of Completion 3-29-67		Packer None		Reservoir Temp. 189° F.				

OBSERVED DATA										
Tested Through: Prover ☐ Choke ☒ Meter ☐								Type of Taps		
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.	
SI						2021		2017		
1.		3/4				392	76°	1249		1
2.		3/4				358	78°	1152		2
3.		3/4				343	80°	1097		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-MCF P D @ 15,025 psia
1.	12.365		355	0.9813	0.9608	1.033	
2.			4389.575	4307.490	4138.636	4275.521	4,276
3.							
4.							
5.							

PRESSURE CALCULATIONS							
Gas Liquid Hydrocarbon Ratio _____ cf/bbl.				Specific Gravity Separator Gas _____			
Gravity of Liquid Hydrocarbons _____ deg.				Specific Gravity Flowing Fluid _____			
F _c _____ (1-e ^{-S}) _____				P _c 2021 + 12 P_c² 4,133,089			

No.	$\frac{P_w}{P_t}$ 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 ² / P _c ²
1.						1,229,891	2,903,208		
2.									
3.									
4.									
5.									



ABSOLUTE POTENTIAL: 5,574 MCFPD; n 0.75

COMPANY PURCO PETROLEUM CORP. WITNESSED Glen O. Rhodes

ADDRESS P.O. Box P, Aztec, N.M. 87410 COMPANY Purco Petroleum Corp.

AGENT AND TITLE Donald C. Walker

Dr. Walker District Engineer