

3-00C, 2-Phillips (Wolgast, Cullender)

1-Com. Pub. Lands, 1-BParrish, NEW MEXICO OIL CONSERVATION COMMISSION

1-HLHendrick, 1-LDH, 1-Cowan, 2-F POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122

Revised 12-1-55

Pool Basin Dakota		Formation Dakota		County Rio Arriba	
Initial X	Annual	Special	Date of Test 7-20-66		
Company Beta Development Co.		Lease San Juan 29-6 Unit		Well No. 80	
Unit H	Sec. 29	Twp. 29	Range 6	Purchaser El Paso Natural Gas Co.	
Casing 4.500	Wt. 10.5	I.D. 4.000	Set at 8130	Perf. 8010	To 8088
Tubing 2.375	Wt. 4.70	I.D. 1.995	Set at 8058	Perf. Open	To End
Gas Pay:	From 8010	To 8088	L 8047	G .670	GL 5391.4 Bar. Press. 12.0
Producing Through:		Casing	Tubing X	Type Well - Single - Braden head - G.G. or G.O. Dual Single - gas	
Date of 7-10-66		Packer		Reservoir Temp.	

OBSERVED DATA

Tested Through:						Prover ☐		Choke ☒		Meter ☐		Type of Taps	
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW HR.			
No.	(Prover) (Line) Size	(Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.				
SI		3/4	305		74	2457	74	2457		8 days			
1.						305		1052		3 hrs			
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-MCF PD @ 15,025 psia
1.	12.3650		317	.9868	.9463	1.032	3,777
2.							
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 **2469** P_w **1064** P_c² **6095.9** P_w² **1132.0**

No.	P _w 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.						1132.0	4963.9		
2.									
3.									
4.									
5.									

4,408

.75

ABSOLUTE POTENTIAL: _____ MCFPD; n _____

Beta Development Co.

H. McAnally

COMPANY _____ WITNESSED _____

234 Petr. Club Plaza, Farmington, N.M.

El Paso Natural Gas Co.

ADDRESS _____ COMPANY _____

G.L. Hoffman, Prod. Engr.

AGENT AND TITLE _____