

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

Form C-122

Revised 12-1-55

Pool FULCHER KUTZ			Formation PICTURED CLIFFS			County SAN JUAN		
Initial XX		Annual		Special		Date of Test 4/20/67		
Company SOUTHERN UNION PRODUCTION COMPANY				Lease ANGLE PEAK #B		Well No. 12		
Unit A	Sec. 25	Twp. 28 N	Range 11 W		Purchaser SOUTHERN UNION GAS COMPANY			
Casing 5.500	Wt. 17.0	I.D. 4.892	Set at 1953		Perf. 1850	To 1886		
Tubing 1.900	Wt. 2.90	I.D. 1.610	Set at 1871		Perf. 1863	To 1871		
Gas Pay:	From 1850	To 1886	L 1863	G .700	GL 1304	Bar. Press. 12		
Producing Through:		Casing XX	Tubing XX		Type Well - Single - Braden head - G.G. or G.O. Dual GAS - GAS DUAL			
Date of Completion 4/8/67		Packer 1800			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	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
SI	2"	3/4"				271				8 DAYS
1.						20	70			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-MCF P D @ 15,025 psia
1.	12.3650		32	.9905	.9258	1.0000	363
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 **16.46** (1-e^{-S}) **0.090** P_c **283** P_c² **80,089**

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	Cd P _w	$\frac{P_w}{P_c}$
1.	32	1024	5975	35701	3213	4237	75852	65	.2297
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **380** MCFPD; n **.85**

COMPANY **SOUTHERN UNION PRODUCTION COMPANY** WITNESSED _____

ADDRESS **P. O. Box 808, FARMINGTON, NEW MEXICO** COMPANY _____

AGENT AND TITLE **KENNETH E. RODDY, PRODUCTION TECHNICIAN** Original signed by
 _____ K. E. Roddy