

File

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

Form C-122

Revised 12-1-55

Pool BASIN		Formation DAKOTA		County SAN JUAN	
Initial XX		Annual		Special	
Company SOUTHERN UNION PRODUCTION COMPANY		Lease NEWSON "B"		Well No. 12	
Unit G	Sec. 17	Twp. 26 N	Range 8 W	Purchaser EL PASO NATURAL GAS COMPANY	
Casing 4.500	Wt. 10.50	I.D. 4.052	Set at 6745	Perf. 6526	To 6674
Tubing 1.900	Wt. 2.90	I.D. 1.610	Set at 6545	Perf. 6537	To 6545
Gas Pay:	From 6526	To 6674	L 6527	G .700	GL 4569
Producing Through:		Casing	Tubing XX	Type Well - Single - Braden head - G.G. or G.O. Dual SINGLE - GAS	
Date of Completion 11/17/66		Packer		Reservoir Temp.	

OBSERVED DATA

Tested Through:						Type of Taps				
Prover ☐ Choke ☒ Meter ☐										
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.	
1.	2"	3/4"				2035		2024		9 DAYS
2.						268	67	1010		3 HOURS
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		280	.9933	.9258	1.031	3,283
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 **2047** P_c^2 **4,190,209**

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	$\frac{P_w}{P_c}$
1.	1,022					1,044,484	3,145,725		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: 4,071 MCFPD; n .75COMPANY SOUTHERN UNION PRODUCTION COMPANY WITNESSED AL LOLEITADDRESS P. O. Box 808, FARMINGTON, N. Mex. COMPANY EL PASO NATURAL GAS COMPANYAGENT AND TITLE KENNETH E. RODDY, PRODUCTION TECHNICIANOriginal signed by
Kenneth E. Roddy