

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 XX		Annual		Special		Date of Test NOVEMBER 3, 1967		
Company SOUTHERN UNION PRODUCTION COMPANY				Lease HODGES			Well No. 13	
Unit B	Sec. 34	Twp. 26 N	Range 8 W		Purchaser EL PASO NATURAL GAS COMPANY			
Casing 4.500	Wt. 10.50	I.D. 4.052	Set at 7044		Perf. 6769		To 7008	
Tubing 1.900	Wt. 2.90	I.D. 1.610	Set at 6887		Perf. 6879		To 6887	
Gas Pay: From 6769		To 7008		L 6869		G .700		GL 4808
								Bar. Press. 12
Producing Through:		Casing		Tubing XX		Type Well - Single - Braden head - G.G. or G.O. Dual SINGLE		
Date of Completion 10/1/67		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	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
SI	2"	3/4"				2184		2165		
1.						275	65	1078		
2.										
3.										
4.										
5.										

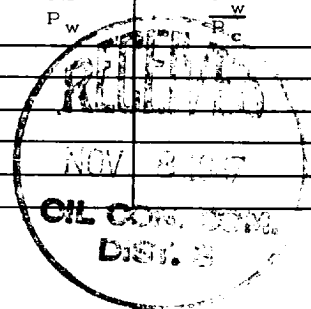
FLOW CALCULATIONS

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		287	.9952	.9258	1.032	3,374
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 **2196** P_c² **4,822,416**

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.	1090					1,188,100	3,634,316		
2.									
3.									
4.									
5.									



ABSOLUTE POTENTIAL: **4,171** MCFPD; n **.75**

COMPANY **SOUTHERN UNION PRODUCTION COMPANY** WITNESSED **HERMAN McANALLY**

ADDRESS **P. O. Box 808, FARMINGTON, N.MEX. 87401** COMPANY **EL PASO NATURAL GAS COMPANY**

AGENT AND TITLE **WAYNE WARRINGTON** OFFICE MANAGER
 ORIGINAL SIGNED BY **WAYNE WARRINGTON**