

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		Date of Test NOVEMBER 3, 1967	
Company SOUTHERN UNION PRODUCTION COMPANY		Lease HODGES		Well No. 14	
Unit 0	Sec. 21	Twp. 26 N	Range 8 W	Purchaser EL PASO NATURAL GAS COMPANY	
Casing 4.500	Wt. 10.50	I.D. 4.052	Set at 6864	Perf. 6618	To 6832
Tubing 1.900	Wt. 2.90	I.D. 1.610	Set at 6726	Perf. 6718	To 6726
Gas Pay:	From 6618	To 6703	L 6708	G .700	GL 4696
				Bar. Press. 12	
Producing Through:		Casing		Tubing XX	
Date of Completion 10/20/67		Packer		Reservoir Temp.	
Type Well - Single - Braden head - G.G. or G.O. Dual SINGLE					

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.	
SI						1896		1875	
1.						288	75	1138	
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		300	.9859	.9258	1.030	3,487
2.							
3.							
4.							
5.							

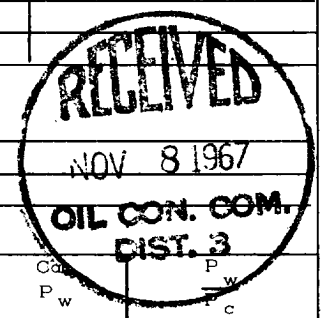
PRESSURE CALCULATIONS

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 **1908** P_c² **3,640,464**

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	Calc P _w
1.	1150					1,322,500	2,317,964	
2.								
3.								
4.								
5.								



ABSOLUTE POTENTIAL: 4,892 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 ORIGINAL SIGNED BY WAYNE WARRINGTON
OFFICE MANAGER