

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

Form C-122
Revised 12-1-55

Pool South Blanco		Formation Pictured Cliffs		County Rio Arriba	
Initial X	Annual	Special	Date of Test 7-9-65		
Company Sherman F. Wagnerseller		Lease Pubco Apache 16E		Well No. 2	
Unit 6	Sec. 16	Twp. 23N	Range 2W	Purchaser EPME	
Casing 4 1/2	Wt. 9.5	I.D. 4.090	Set at 3133	Perf. 3102	To 3120
Tubing 2 3/8	Wt. 4.7	I.D. 1.995	Set at 3094	Perf. 3094	To
Gas Pay:	From 3102	To 3120	L 3094	G 0.62 est/	GL 12.0
Producing Through:			Casing X	Type Well - Single - Braden head - G.G. or G.O. Dual Single	
Date of Completion 7-5-65		Packer		Reservoir Temp. 101	

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.	
SI						911		947		
1.										
2.										
3.			183		56			403		3 hrs
4.										
5.										

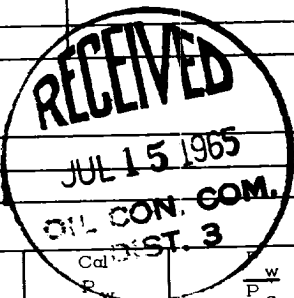
FLOW CALCULATIONS

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.							
2.							
3.	12.365		195	1.0039	0.9837	1.000	2.381
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 **959** P_c² **919,681**

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	$\frac{w}{P_c}$
1.								
2.								
3.						172,225	747,456	1.2304
4.								
5.								



ABSOLUTE POTENTIAL: **2,847** MCFPD: **0.85/1.1956**

COMPANY **Sherman F. Wagnerseller** WITNESSED _____

ADDRESS **170 S. Beverly Drive, Beverly Hills, Cal.** COMPANY _____

AGENT AND TITLE **Original Signed by MORRIS B. JONES M. B. Jones, Engineer**

