

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

Form C-122
Revised 12-1-55

South Blanco			Formation Pictured Cliffs			County Rio Arriba		
Annual		Special		Date of Test July 11, 1969				
Company SHERMAN F. WAGENSELLER			Lease Mobil Apache			Well No. 14		
Well	Sec.	Twp.	Range	Purchaser EPNG				
1	7	23N	2W					
Flowing	Wt.	I.D.	Set at	Perf.	To			
4.500	9.5	4.090	3130	3046	3076			
Shut in	Wt.	I.D.	Set at	Perf.	To			
2.375	4.7	1.995	3058	3058				
From		To	L	G	GL	Bar. Press.		
3046		3076	3058	0.65 est.	1988	12.0		
Gas Pay:		Casing		Tubing		Type Well - Single - Braden head - G.G. or G.O. Data.		
3046		3076		3058		Single		
Producing Through:				Reservoir Temp.				
Date of Completion June 20, 1969				103 °F				

June 20, 1969

OBSERVED DATA

Type of Taps

Tested Through: 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						778		781		
1.										
2.										
3.		3/4	159		58			314		3 hrs
4.										
5.										

FLOW CALCULATIONS

FLOW CALCULATIONS							
No.	Coefficient (24 Hour)	$\sqrt{h_w P_t}$	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.							
2.							
3.	12.365		171	1.0019	0.9608	1.000	2035
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl. Specific Gravity Separator Gas _____

Gravity of Liquid Hydrocarbons _____ den. Specific Gravity Flowing Fluid _____

P_c _____ (1-e^{-S}) _____ P_c **793** P_c² **628,849**

No.	P _w P _t psia	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-S})	1-w	P _c ² - P _w ²	Cal P _w	$\frac{P_w}{P_c}$
1.									
2.									
3.						106,276	522,573		1.2033
4.									
5.									

ABSOLUTE POTENTIAL: **2382 MCF** MCFPD; n **0.85/1.1703**

COMPANY **SHERMAN F. WAGENSELLER** WITNESSED _____

ADDRESS **2444 Wilshire Blvd, Santa Monica, Cal.** COMPANY _____

AGENT AND TITLE **Morris B. Jones, Engineer**

