

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	
X		Lease		Well No. 13	
Company SHERMAN F. WAGENSELLER		Mobil Apache		Purchaser EPNG	
Well N	Sec. 6	Twp. 23N	Range 2W	To 3000	
Casing 4.500	Wt. 9.5	I.D. 4.090	Set at 3041	Perf. 2973	To
Tubing 2.375	Wt. 4.7	I.D. 1.995	Set at 2996	Perf. 2996	To
Gas Pay:	From 2973	To 3000	2996	0.65 est.	GL 1947
Casing			Tubing	Type Well - Single - Braden head - G.G. or G.O. Dual Single	
Producing Through:			Packer	Reservoir Temp. 103°F	
Date of Completion June 29, 1969			OBSERVED DATA		

June 29, 1969

OBSERVED DATA

Type of Taps

Tested Through:

Prover ☐

Choke ☒

Meter ☐

FLOW DATA

TUBING DATA

CASING DATA

DURATION OF FLOW HR.

Press. psig.

Temp. °F.

Press. psig.

Temp. °F.

No.

(Prover) (Line) Size

(Choke) (Orifice) Size

Press. psig.

Diff. h_w

Temp. °F.

772

776

SI

1.

2.

3.

4.

5.

3/4

154

61

302

3 hrs

FLOW CALCULATIONS

Compress.

Rate of Flow Q-MCF P.D

FLOW CALCULATIONS							Compress. Factor F _{pv}	Rate of Flow Q-MCF PD @ 15,025 psia
No.	Coefficient (24 Hour)	$\sqrt{h_w P_f}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g			
1.								
2.								
3.	12.365		166	0.999	0.9608		1.000	1970
4.								
5.								

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.

Gravity of Liquid Hydrocarbons _____ deg.

F_c _____ (1-e^{-S})

Specific Gravity Separator Gas _____

Specific Gravity Flowing Fluid _____

P_c 788 P_c² 620,944

No.	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	P _w P _c
1.									
2.						98,596	522,348		1.1887
3.									
4.									
5.									

ABSOLUTE POTENTIAL: 2282 MCF MCFPD; n 0.85/1.1582

COMPANY SHERMAN F. WAGENSELLER

WITNESSED

ADDRESS 2444 Wilshire Blvd, Santa Monica, Cal. COMPANY

AGENT AND TITLE Morris B. Jones, Engineer

