NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [XX] Initial [ ] Annual [ ] Special				Test Date: 11/19/73	
Company: Southern Union Production Co.		Connection: Southern Union Gas Company			
Pool: Blanco		Formation: Mesaverde		Unit	
Completion Date: 10/20/73	Total Depth: 7590	Plug Back TD: 7552	Elevation	Farm or Lease Name: Jicarilla "A"	
Csg. Size: 7.625 / 5.500 — Wt.: 26.40 / 15.50 — d: 6.969 / 4.950 — Set At: 4050 / 3912-7589		Perforations: From 5494 To 6016		Well No.: 14	
Tbg. Size: 1.900 — Wt.: 2.75 — d: 1.610 — Set At: 5985		Perforations: From 5977 To 5985		Unit: A — Sec.: 24 — Twp.: 26N — Rge.: 4W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Dual - Gas - Gas		Packer Set At: 7337		County: Rio Arriba	
Producing Thru: Tubing	Reservoir Temp. °F: @	Mean Annual Temp. °F	Baro. Press. – P_a: 12	State: New Mexico	
L: 5966	H	Gg: 0.700	% CO_2	% N_2	% H_2S — Prover — Meter Run — Taps

FLOW DATA					TUBING DATA		CASING DATA		
NO.	Prover Line Size	X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI	2"	3/4"				1198		1204		17 Days
1.						152	52°	939		3 Hours
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		164	1.0078	0.9258	1.020	1930
2							
3							
4							
5							

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NO.	P_r	Temp. °F	
1			
2			
3			
4			
5			

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 1216 P_c^2 1,478,656

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		951	904,401	574,255
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.5749$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.0326$

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3923$

Absolute Open Flow 3923 Mcfd @ 15.025 — Angle of Slope θ _____ — Slope, n 0.75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Kenneth E. Roddy	Kenneth E. Roddy	


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