NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 1/10/73	
Company: Southern Union Production Co.		Connection: Southern Union Gas Company			
Pool: Basin		Formation: Dakota		Unit	
Completion Date: 12/8/72	Total Depth: 7770	Plug Back TD: 7733	Elevation: 6967	Farm or Lease Name: Jicarilla "K"	
Csg. Size: 4.500 / Wt.: 10.50 / d: 4.052 / Set At: 7769		Perforations: From 7464 To 7670		Well No.: 17	
Tbg. Size: 2.375 / Wt.: 4.70 / d: 1.995 / Set At: 7618		Perforations: From To		Unit: K / Sec.: 12 / Twp.: 25N / Rge.: 5W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Dual - Gas - Gas		Packer Set At: 7396		County: Rio Arriba	
Producing Thru: Tubing	Reservoir Temp. °F: @	Mean Annual Temp. °F	Baro. Press. – P_a: 12	State: New Mexico	

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
7386		0.700						

	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"				2207				19 Days
1.						39	58°			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		51	1.0019	0.9258	1.000	585
2.							
3.							
4.							
5.							

NO.	P_r	Temp. T_r	Z
1			
2.			
3.			
4.			
5.			

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OIL CON. COM.
DIST. 3

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

P_c 2219 P_c^2 4,923,961

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1			12,069	4,911,892
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0025$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0019$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 586$

Absolute Open Flow 586 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n 0.75

Remarks: _____

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