NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
OCT 1 1971
OIL CON. COM.
DIST. 3

Type Test: [x] Initial [ ] Annual [ ] Special				Test Date: 9/29/71	
Company: Southern Union Prod. Co.			Connection: Southern Union Gas Company		Unit
Pool: Basin			Formation: Dakota		
Completion Date: 9/16/71	Total Depth: 7550		Plug Back TD: 7510	Elevation: 6697	Farm or Lease Name: Jicarilla "K"
Csg. Size: 5.500 / Wt.: 15.50 / d: 4.950 / Set At: 7530			Perforations: From 7262 To 7462		Well No.: 14
Tbg. Size: 1.900 / Wt.: 2.90 / d: 1.610 / Set At: 7340			Perforations: From 7332 To 7340		Unit: O / Sec.: 11 / Twp.: 25N / Rge.: 5W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Triple - Gas - Gas - Gas			Packer Set At: 7162		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
7322		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"				2077				7 Days
1.						135	65°			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		147	0.9952	0.9258	1.016	1702
2							
3							
4							
5							

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

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 2089 P_c^2 4,363,921

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1			265,694	4,098,227
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0648$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0482$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1784$

Absolute Open Flow 1784 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	Kenneth E. Roddy