NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: ☒ Initial ☐ Annual ☐ Special			Test Date: 12-15-76	
Company: AMOCO PRODUCTION COMPANY	Connection: Gas Company of New Mexico			
Pool: Basin	Formation: Dakota		Unit	
Completion Date: 12-7-76	Total Depth: 7110	Plug Back TD: 7079	Elevation: 6430 GL	Farm or Lease Name: Jicarilla Contract 147
Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052 / Set At: 7106		Perforations: From 6866 To 7042		Well No.: 6
Tbg. Size: 2.374 / Wt.: 4.7 / d: 1.995 / Set At: 7029		Perforations: From Open To Ended		Unit: C / Sec.: 6 / Twp.: 25 / Rge.: 5
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: None		County: Rio Arriba
Producing Thru: Tubing	Reservoir Temp. °F: @	Mean Annual Temp. °F: 10°	Baro. Press. – P_a: 12 psia	State: New Mexico
L	H	Gg: .70	% CO_2	% N_2 / % H_2S / Prover / Meter Run / Taps

FLOW DATA

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA Press. p.s.i.g.	TUBING DATA Temp. °F	CASING DATA Press. p.s.i.g.	CASING DATA Temp. °F	Duration of Flow
SI	8 Days						2116		2127		
1.	2-Inch		.750				200	60°	400		3 Hrs.
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	12.365		212	1.000	.9608	1.026	2584
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 2139 P_c^2 4575321

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		412	169,744	4405577
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0385$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0288$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2658$

Absolute Open Flow 2658 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: _____

RECEIVED
DEC 23 1976
OIL CON. COM.
DIST. 3

Original Signed by
H. D. MONTGOMERY

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	T. M. Oliver	Oliver/Lindsley	H. D. Montgomery