

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 7-20-85			
Company Amoco Production Co.				Connection El Paso Natural Gas Co.			
Pool Otero				Formation Chacra		Unit	
Completion Date 7-11-85		Total Depth 4035		Plug Back TD 3984		Elevation 6731 GR	
Farm or Lease Name Jicarilla Contract							
Ceq. Size 4.500		Wt. 11.6		d 4.000		Set At 4035	
Perforations: From 3856 To 3880		Well No. 43					
Thq. Size 2.375		Wt. 4.7		d 1.995		Set At 3881	
Perforations: From open To ended		Unit 0		Sec. 4		Twp. 25	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single		Packer Set At None		County Rio Arriba			
Producing Thru tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a	
State New Mexico							
L		H		Cq		% CO ₂	
						% N ₂	
						% H ₂ S	
Prover		Meter Run		Taps			

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
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.	
SI	7 days						450		631	
1.	2.375	.750					82		321	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		94	1.000	.9258	1.008	1085
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mc/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons	Deq.
2.					Specific Gravity Separator Gas	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

NO.	P _t ²	P _w ²	P _w ² - P _t ²	P _c ²	P _c ² - P _w ²
1		333	110889	302560	
2.					
3.					
4.					
5.					

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3665$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2639$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1371$

RECEIVED

AUG 09 1985

OIL CON. DIV

DIST. 3

Absolute Open Flow	1371	Mcfd @ 15.025	Angle of Slope @	Slope, n .75
--------------------	------	---------------	------------------	--------------

Remarks: Flared, Lite oil, Lite H2O

Approved By Division	Conducted By: Joe Ellodge	Calculated By: J. L. Barnett	Checked By: R
----------------------	------------------------------	---------------------------------	------------------