

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
OCT 24 1985
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 10-1-85	
Company Amoco Production Co.			Connection El Paso Natural Gas Co.		
Pool Basin			Formation Dakota		
Completion Date 8-21-85		Total Depth 6647		Plug Back TD	
Elevation 6084 GR		Farm or Lease Name Gallegos Canyon Unit			
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6647	Perforations: From 6330 To 6434	
Well No. 155E					
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6441	Perforations: From open To ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At Nine	
Producing Thru Tubing				County San Juan	
Reservoir Temp. °F e		Mean Annual Temp. °F		Baro. Press. - P _a	
State New Mexico					
L	H	Gg	% 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.	Temp. °F	
SI	7 Days						771		1221		
1.	2.375		750				25		741		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		37	1.000	.9258	1.005	426
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 1233		P _c ² 1520289		$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.5948$		$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.4192$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²			
1		753	567009	953280			
2							
3							
4							
5							

Absolute Open Flow	604	Mcfd @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks: Flared, Lite Condensate, Med H₂O

Approved By Commission:	Conducted By: Joe Ellledge	Calculated By: J. J. Barnett	Checked By:
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