

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test		☒ Initial ☐ Annual ☒ Special		Test Date 4/3/85		RECEIVED SEP 13 1985 OIL CON DIV DIST	
Company Amoco Production Co.		Connection El Paso Natural Gas Co.		Well No.			
Pool Basin		Formation Dakota		Form or Lease Name GALLEGOS CANYON UNIT			
Completion Date 3-22-85		Total Depth 6062'		Plug Back TD 6015'		Elevation 5650GL	
Csg. Size 7.000		Set At 6.456		Perforations From 5819' To 5938'		Well No. 191E	
Thq. Size 2.375		Set At 1.995		Perforations From open To ended		Unit Sec. Twp. Rge. G 32 28 12	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple single				Packer Set At none		County San Juan	
Producing Thru tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		State New Mexico	
L		H		Cg		% 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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI	11 days						1088	1156	
1.	2.375	.500					178	385	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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pr}	Rate of Flow Q, Mcfd
1	5.4315		190	1.000	.9258	1.021	975
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	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 _____ XXXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

NO.	P _i ²	P _w ²	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1		397	57609	1206617	1.1306	1.0964
2.						
3.						
4.						
5.						

Absolute Open Flow _____ 1069 _____ Mcfd @ 15.025		Angle of Slope @ _____		Slope, n _____ 75 _____	
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Remarks: Lite condensate, med H₂O, flared

Approved By Division	Conducted By Damon S. ...	Calculated By H. Barnett	Checked By
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