

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2688
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 04 03 80	
Company AMOCO PRODUCTION COMPANY		Connection EL PASO. NATURAL GAS COMPANY	
Pool basin		Formation DAKOTA	
Completion Date 03 12 80		Total Depth 6395	Plug Back TD 6369
		Elevation 5632 GL	Form or Lease Name CRAWFORD GAS COM B
Coq. Size 4.500	Wt. 11.6	d 4.000	Set At 6395
		Perforations From 6191 To 6348	Well No. 1E
Trq. Size 2.375	Wt. 4.7	d 1.995	Set At 6334
		Perforations From open To ended	Unit Sec. Twp. Rge. J 24 29 12
Type Well - Single - Brodenhead - 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	Gg	% CO ₂ % N ₂ % H ₂ S Prover Meter Run Tape

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	9 days						1051		1025		3 hrs
1.	2.375	.750					36		454		
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		98	1.000	.9258	1.011	1134
2.							
3.							
4.							
5.							

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

NO.	P _t	P _w	P _t ²	P _w ²	P _t ² - P _w ²
1	1063	466	1129969	217156	912813
2.					
3.					
4.					
5.					

(1) $\frac{P_t^2}{P_t^2 - P_w^2} = 1.2379$

AOG = Q $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n = 1331$

(2) $\frac{P_t^2}{P_t^2 - P_w^2} = 1736$

Absolute Open Flow 1331	Mcf @ 15.025	Angle of Slope @	Slope, n .75
Remarks:			

Approved by Division	Conducted By JJB	Calculated By U. J. BARNETT	Checked By R. E. BACKBELL
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