

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 2/8/85	
Company Amoco Production Company		Connection El Paso Natural Gas Company	
Pool Basin		Formation Dakota	
Completion Date 1/30/85		Total Depth 6571	Plug Back TD 6520
Elevation 6000 GR		Farm or Lease Name T.L. Rhodes "C"	
Csq. Size 7.000	Wt. 23	d 6.366	Set At 6571
Perforations: From 6372 To 6442		Well No. 2E	
Thq. Size 2375	Wt. 4.7	d 1.995	Set At 6471
Perforations: From open To ended		Unit N	Sec. 30
Type Well - Single - Brdenhead - G.G. or G.O. Multiple		Packer Set At None	County San Juan
Producing Thru tubing	Reservoir Temp. °F #	Mean Annual Temp. °F	Baro. Press. - P _a
State New Mexico			
L	H	G _g	% 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						285		1453		
1.	2.375		750				62		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 Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		74	1.000	.9258	1.008	854
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 _____ XXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P_c <u>1465</u> P_c^2 <u>2146225</u>					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{1.0793}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.0589}$
NO	P_i^2	P_w	P_w^2	$P_c^2 - P_w^2$		
1		397	157609	198616	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{904}$	
2						
3						
4						
5						

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 904$$

Absolute Open Flow 904 Mcfd @ 15.025 Angle of Slope 0.75 Slope, n

Remarks: flared, lite H₂O, lite oil.

Approved By Division

Conducted By:

Bryan Services

Calculated By:

J. I. Barnett

Checked By:

JL