

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

RECEIVED
SEP 13 1985
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 8-29-85	
Company Amoco Production Co.		Connection El Paso Natural Gas	
Pool Basin		Formation Dakota	
Completion Date 8-15-85		Total Depth 6618	Plug Back TD 6470
Elevation 6074 KB		Farm or Lease Name C. A. McAdams B	
Ceq. Size 7.000	Wt. 23	d 6.366	Set At 6618
Perforations: From 6266 To 6390		Well No. #1E	
Thg. Size 2.375	Wt. 4.7	d 1.995	Set At 6400
Perforations: From open To ended		Unit Sec. Twp. Rge. 28 27 10	
Type Well - Single - Brodenhead - G.G. or G.O. Multiple Dual		Packer Set At	
Producing Thru tubing		County San Juan	
Reservoir Temp. °F #		State New Mexico	
Mean Annual Temp. °F		Baro. Press. - P _g	
L	H	Gg	% CO ₂
% H 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	14 days						250			
1.	2.375	0.750					30			
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, Mc/d
1	12.365		42	1.000	.9258	1.005	483
2.							
3.							
4.							
5.							

NO.	P _i	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 _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

NO.	P _i ²	P _w	P _w ²	P _i ² - P _w ²
1		93	8649	59995
2				
3				
4				
5				

$P_c = 262$ $P_c^2 = 68644$ (1) $\frac{P_c^2}{P_i^2 - P_w^2} = 1.144$ (2) $\left[\frac{P_c^2}{P_i^2 - P_w^2} \right]^n = 1.1062$

AOF = Q $\left[\frac{P_i^2}{P_i^2 - P_w^2} \right]^n = 534$

Absolute Open Flow	534	Mcf/d @ 15.025	Angle of Slope @	Slope, n .75
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Remarks: Made light condensate & Med #20

Approved By Division	Conducted By: Bryan Services	Calculated By: R.A. Conner	Checked By: JB
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