

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 7/14/87	
Company Union Texas Petroleum		Connection Evaluating Pipeline	
Pool Blanco		Formation Mesaverde	
Completion Date 7/6/87	Total Depth 6127	Plug back TD 6079	Elevation 7161 GL
Farm or Lease Name McCroden "A"		Well No. 9A	
Gas Size 7.000	Wt. 23.0	d 6.366	Set At 3984
4.500	10.5	4.052	3797-6120
Perforations: From 5859 To 6016	Perforations: From 5893 To 5899		Unit Sec. Twp. Rge. C 9 25N 3W
Type Well - Single - Borehead - G.C. or G.C. Multiple Single - Gas	Packer Set At		County Rio Arriba
Producing Thru Tubing	Reservoir Temp. °F 8	Mean Annual Temp. °F	Baro. Press. - P _g 12
State New Mexico			
L 5893	H	G _g 0.700	% 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	Press. p.s.i.g.		Temp. °F
SI	2"		3/4"				1170		1173		8 Days
1.							124	58°	458	58°	3 Hours
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	12.3650		136	1.0019	0.9258	1.016	1585
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 _____ X X X X X X X X
3					Specific Gravity Flowing Fluid _____ X X X X X
4					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5					Critical Temperature _____ R _____ R

P _c 1185	P _c ² 1,404,225				(1) $\frac{P_c^2}{P_r^2 - P_w^2} = 1.1867$	(2) $\frac{P_c^2}{P_r^2 - P_w^2} = 1.1369$
NO. 1	P _r ²	P _w ²	P _r ² - P _w ²			
1		470	220,900	1,183,325		
2						
3						
4						
5						

Absolute Open Flow 1802	Mcfd @ 15.025	Angle of Slope @	Slope, n 0.75
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Remarks:

Approved By Division	Conducted By: Jeff Davis	Calculated By: John C. Rector	Checked By:
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