

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form 6-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 11/25/70		Oil. COM.				
Company Southern Union Production Co.				Connection Southern Union Gas Co.				HST. 3			
Pool Blanco				Formation Mesaverde				Unit			
Completion Date 11/2/70			Total Depth 8555		Plug Back TD 8535		Elevation 7389		Farm or Lease Name Jicarilla "G"		
Csg. Size 7.625		Wt. 26.40		d 6.969		Set At 4349		Perforations: From 6312 To 6352		Well No. 9	
Pkg. Size 5.500		Wt. 15.50		d 4.950		Set At 4189-8554		Perforations: From 6313 To 6321		Unit Sec. Twp. Rge. B 1 26N 5W	
Csg. Size 1.900		Wt. 2.76		d 1.610		Set At 6321		Perforations: From 6313 To 6321		County Rio Arriba	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple								Packer Set At 8181		State New Mexico	
Producing Thru Tubing				Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L 6301		H		Gg 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. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
1	2"		3/4"				1006		1011		7 days
2							187	57°	831		3 hours
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	12.3650		199	1.0029	0.9258	1.023	2337
2							
3							
4							
5							

NO.	P _t	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 1023 P _c ² 1,046,529		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.1157$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.3451$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	
1		843	710,649	335,880	
2					
3					
4					
5					

Absolute Open Flow 5480 Mcfd @ 15.025				Angle of Slope @ _____		Slope, n 0.75	
Remarks: _____							

Approved By Commission: DEC 2 1970	Conducted By: John Shipley	Calculated By: Ann Yates	Checked By: Ann Yates
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