

Submit in duplicate to
appropriate district office.
See Rule 401 & Rule 1122

State of New Mexico
Energy Minerals and Natural Resources

Form C-122
Revised June 10, 2003

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator SCHALK DEVELOPMENT CO. 30-039-26739					Lease or Unit Name SCHALK 55				
Type Test ☐ Initial ☐ Annual ☐ Special					Test Date 10/13/05		Well No. 2A		
Completion Date 09/27/05		Total Depth 5,944'		Plug Back TD 5,866'		Elevation 6,545'		Unit Ltr. - Sec. - TWP - Rge. C 3 30N 5W	
Csg. Size 4-1/2"		Wt. 10.50		Set At 5,944'		Perforations: 4 - .45" shots per foot		County RIO ARriba COUNTY, NM	
Thg. Size 2.375"		Wt. 4.70		Set At 5,665'		From: 5,571' To: 5,849'		Pool BLANCO MESA VERDE	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple GAS - SINGLE					Packer Set At		Formation		
Producing Thru TUBING		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press - P 12.0 _a		Connection	
L	H	Gg	%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							1,015		1,018		SIP
1.	2" x .750			175		60	175		648		3 Hours
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
No.	COEFFICIENT (24 HOUR)		Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg.	Super Compress. Factor, F pv.	Rate of Flow Q, Mcfd
1.	9.604		187	1.000	1.291	1.012	2,346
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	XXXXXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXX
4.					Critical Pressure	P.S.I.A. P.S.I.A.
5.					Critical Temperature	R. R

P _c 1.018 P _c ² 1036324					(1) P _{c2} = 1.7251		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.505$	
No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.530$			
1.		660	435600	600724				
2.								
3.								
4.								
5.								

Absolute Open Flow 3.530		Mcf/d @ 15.025		Angle of Slope θ:		Slope, n: .75	
Remarks:							
Approved By Division		Conducted By: J. EVANS		Calculated By: J. EVANS		Checked By	
E-mail Address:		E-mail Address:		E-mail Address:		E-mail Address:	