

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 WELL

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special			Test Date 1/25/80	
Company Hill & Llewellyn			Connection	
Pool Ballard			Formation Pictured Cliffs	
Completion Date 1/16/80		Total Depth 2410		Plug Back TD
Elevation		Farm or Lease Name Newsom B		
Coq. Size 2.875	Wl. 6.50	d 2.441	Set At 2410	Perforations: From 2203 To 2278
Well No. 19				
Thq. Size None	Wl.	d	Set At	Perforations: From To
Unit Sec. Twp. Rye. P-8-26N-8W				
Type Well - Single - Brdenhead - G.G. or G.O. Multiple Single			Packer Set At	
Producing Thru Casing			County San Juan	
Reservoir Temp. *F		Mean Annual Temp. *F		Baro. Press. - P _a
State New Mexico				
L	H	Gg .650	% 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									515		9 Days
1.			.750	91	56						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 Fg	Super Compress. Factor, Fpv	Rate of Flow O, Mcfd
1	12.3650		103	1.0039	.9608		1228
2.							
3.							
4.							
5.							

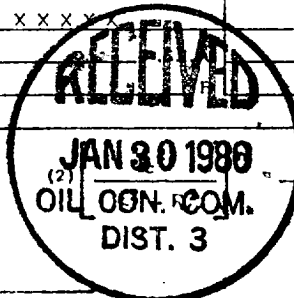
NO.	P _t	Temp. *R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2.					Specific Gravity Separator Gas	XXXXXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

NO.	P _t ²	P _w ²	P _w ²	P _t ² - P _w ²
1	10609	123	15209	262520
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_t^2 - P_w^2} = 1.0579$

(2) $\frac{P_c^2}{P_t^2 - P_w^2} = .0490$

AOF = Q $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n = 1288$



Absolute Open Flow 1288 Mcfd @ 15.025 Angle of Slope 45 Slope, n .85

Remarks: Light fog of water & drip throughout test.

Approved by Division	Conducted by: CRW	Calculated by: ARK	Checked by:
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