

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

Form C-122
Rev. 1-1-65

RECEIVED

APR 1 1969

OIL CON. COM.
DIST. 3

Keaton - Cline

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 3-28-69	
Operator John E. Schalk		Connection None	
Pool Ballard		Formation Pictured Cliff	
Completion Date 3-1-69		Total Depth 2845	Plug Back TD 2812
		Elevation 7118' Gr	
Csg. Size 4 1/2	Wt. 9.50	d 4.090	Set At 2845
		Perforations: From 2752 To 2782	
Tbg. Size 1.25	Wt. 2.40	d 1.380	Set At 2762
		Perforations: From Open end To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single Gas		Packer Set At None	Well No. 2-X
Producing Thru Csg.		Reservoir Temp. °F #	Mean Annual Temp. °F
		Baro. Press. - P _a	
County Rio Arriba		State New Mexico	
L	H	G _g .650	% CO ₂ % N ₂ % H ₂ S
		Prover 3/4" TC Choke	
		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.	3/4" TC Choke			145		57°	413		412		7 days
2.							201		145		3 hrs.
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		157	1.0029	.9608	1.015	1,899
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 _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 413	P _c ² 170,569	
NO.	P _r ²	P _w
1		201
2		
3		
4		
5		

$$(1) \frac{P_c^2}{P_r^2 - P_w^2} = 1.310$$

$$(2) \left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.258$$

$$AOF = Q \left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 2,389$$

Absolute Open Flow	2,389	Mcfd @ 15.025	Angle of Slope °	Slope, n .85
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Remarks:

Approved By Commission:	Conducted By: David L. Collis	Calculated By: David L. Collis	Checked By:
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