NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
MAY 6 1969
OIL CON. COM.
DIST. 3

Type Test: [ ] Initial [ ] Annual [X] Special — Test Date: 4-23-69

Company: ~~Keeton Development~~ H. K. Keesee — Connection:

Pool: Ballard — Formation: Pictured Cliff — Unit:

Keeton

Completion Date	Total Depth	Plug Back TD	Elevation	Farmington (Gas) Date
2-21-69	3030	2985	7260 GR	Apache

Csg. Size	Wt.	d	Set At	Perforations	Well No.
4½	9.5	4.090	3016	From 2937 To 2965	1

Tbg. Size	Wt.	d	Set At	Perforations	Unit	Sec.	Twp.	Rge.
1.25	2.40	1.380	2933	From Open end To	A	19	23N	3W

Type Well – Single – Bradenhead – G.G. or G.O. Multiple	Packer Set At	County
Single Gas	None	Sandoval

Producing Thru	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a	State
Casg				New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		.650 Est.				3/4"TC	Choke	

FLOW DATA / TUBING DATA / CASING DATA

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI							690		690		10 days
1.	2"	X	3/4"	37		52°	37		243		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 Q, Mcfd
1	12.3560		49	1.0078	.9608		586
2.							
3.							
4.							
5.							

NO.	P_r	Temp. °R	T_r	Z
1				
2.				
3.				
4.				
5				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 702 P_c^2 492,804

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		255	65025	427779
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.152$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.128$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 661$

Absolute Open Flow 661 Mcfd @ 15.025 — Angle of Slope θ _____ — Slope, n .85

Remarks: _____

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