NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT ~~A~~ ONE POINT BACK PRESSURE TEST FOR GAS WELL

SF File 122 Form C-122 Revised 9-1-65

RECEIVED

APR 18 1980

O. C. D.

ARTESIA, OFFICE

Type Test: [X] Initial [ ] Annual [ ] Special — Test Date: 4/3/80

Company: Threshold Development Co	Connection: Waiting on pipeline		
Pool: Undesignated Atoka	Formation: Atoka		
Completion Date: 4/3/80	Total Depth: 11,750'	Plug Back TD: ~~None~~ 11704	Elevation: 3375' GL
Lease or Lease Name: Conoco "10" State			
Well No.: 1			
Unit: I	Sec.: 10	Twp.: 19S	Rge.: 29E
County: Eddy			
State: New Mexico			

Csg. Size	Wt.	d	Set At	Perforations
5.5	17#	4,892		From 10777 To 10790
Tbg. Size	Wt.	d	Set At	Perforations
2,375	4.7#	1.995	10710	From ---- To -----

Type Well – Single – Protenhead – G.G. or G.O. Multiple: Single - Gas

Packer Set At: 10,720'

Producing Thru: 2-3/8" | Reservoir Temp. °F: 170 @ 10784 | Mean Annual Temp. °F: 60° | Baro. Press. – P_a: 13.2 psia

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
10784	10784	.677					4.026	flange

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					3460	62			120
1.	4.026 x 1.250	170	12	78	3272	65			1
2.	4.026 x 1.250	175	55	82	3000	67			1
3.	4.026 x 2.000	180	20	77	2702	68			1
4.	4.026 x 2.000	185	40	68	2260	69			1
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	7.47	46.89	183.2	.9831	1.2154	1.0178	426
2	7.47	101.73	188.2	.9795	1.2154	1.0180	921
3	19.81	62.16	193.2	.9887	1.2154	1.0196	1508
4	19.81	89.04	198.2	.9924	1.2154	1.0208	2172
5							

NO.	P_t	Temp. °R	T_f	Z
1	.27	538	1.41	.965
2	.28	542	1.42	.965
3	.29	532	1.39	.962
4	.30	528	1.38	.960
5				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.

A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.

Specific Gravity Separator Gas .677 XXXXXXXXX

Specific Gravity Flowing Fluid XXXXX .677

Critical Pressure 669 P.S.I.A. 669 P.S.I.A.

Critical Temperature 383 R 383 H

P_c 3472 P_c^2 12059

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		3280	10757	1302
2		3007	9040	3019
3		2708	7334	4725
4		2268	5146	6913
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.7443$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.7443$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3825$

Posted on Book

Absolute Open Flow 3825 Mcfd @ 15.025 Angle of Slope θ 45 Slope, n 1

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Wireline Service Co.	Wireline Service Co.	Brochman & Assoc.