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

Form C-122
Revised

File C-122

RECEIVED
JUN 4 1979
O.C.C.
ARTESIA, OFFICE

Type Test			Test Date
[X] Initial	[ ] Annual	[ ] Special	5-14-79

Company	Connection
PHOENIX RESOURCES CO.	ATMOSPHERE
Pool	Formation
STRAWN W...	STRAWN

Completion Date	Total Depth	Plug Back TD	Elevation	Farm or Lease Name
3-22-79	6936	6005	4724	BUCKHORN CANYON

Csg. Size	Wt.	d	Set At	Perforations:		Well No.
4½	11.6	4.00	6222	From 5796	To 5913	1

Tbg. Size	Wt.	d	Set At	Perforations:		Unit	Sec.	Twp.	Rge.
2 3/8	4.7	1.995	5759	From –	To –	O	18	19-S	20-E

Type Well – Single – Bradenhead – G.G. or G.O. Multiple	Packer Set At	County
SINGLE	5759	CHAVES

Producing Thru	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a	State
TUBING	142 @ 5820		13.2	NEW MEXICO

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
5855	5855	.660	3.0	1.0	0	2"		

NO.	FLOW DATA: Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI					406				72 HR +
1.	2 X 3/32	390		99	390	75			1 HR
2.	2 X 1/8	360		102	360	76			1 HR
3.	2 X 5/32	311		98	311	77			1 HR
4.	2 X 3/16	171		100	171	77			1 HR
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	0.1410		403.2	0.9645	1.231	1.031	70
2	0.2648		373.2	0.9619	1.231	1.028	120
3	0.3985		324.2	0.9653	1.231	1.024	157
4	0.6082		184.2	0.9636	1.231	1.014	135
5							

NO.	P_r	Temp. °R	T_r	Z
1	.60	559	1.52	.941
2	.56	562	1.53	.946
3	.48	558	1.52	.953
4	.28	560	1.52	.973
5				

Gas Liquid Hydrocarbon Ratio DRY GAS Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons – Deg.
Specific Gravity Separator Gas .660 XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX
Critical Pressure 669 P.S.I.A. ______ P.S.I.A.
Critical Temperature 368 R ______ R

P_c 419.2 P_c^2 175.7

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	162.6		162.7	13.0
2	139.3		139.6	36.1
3	105.1		105.6	70.1
4	33.9		34.3	141.6
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2}$ = 13.515

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 3.676

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 257

Absolute Open Flow 257 Mcfd @ 15.025 Angle of Slope θ 63.5DEG. Slope, n .500

Remarks: NO LINE UP OF POINTS ASSUME N=.500

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	MARVIN HANSEN	MARVIN HANSEN	