NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
AUG 26 1977
O. C. C.
ARTESIA, OFFICE

P-5604
1-1-78

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 8-8-77	
Company: J. M. Huber Corporation			Connection: None		
Pool: ~~Dark Canyon~~ Garrow Delaware (Delaware)			Formation: Delaware		Unit
Completion Date: 8-4-77	Total Depth: 3000'		Plug Back TD: 2974	Elevation: 3293GL 3302DF	Farm or Lease Name: Parr
Csg. Size: 5 1/2 / Wt.: 14 / d: 3000' / Set At: 3000			Perforations: From 2566 To 92		Well No.: 1
Tbg. Size: 2 3/8 / Wt.: 4.7 / d: 2406.86 / Set At: 2406.86			Perforations: From 2566 To 2592		Unit: P / Sec.: 15 / Twp.: 23 / Rge.: 26
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: None		County: Eddy
Producing Thru: Tubing	Reservoir Temp. °F: 94 @ 2350	Mean Annual Temp. °F: 70	Baro. Press. – P_a: 13.2		State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
2579	2579	0.764	0.01	19.52	0.00	Pos. ck.		

FLOW DATA / TUBING DATA / CASING DATA

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	Duration of Flow
SI	67 hrs.	1083			1083				
1.	8/64" pos. ck.	1063		80	1063	70			60 min.
2.	9/64" " "	1056		80	1056	70			60 min.
3.	11/64" " "	1042		82	1042	70			60 min.
4.	13/64" " "	1024		84	1024	70			60 min.
5.	22/64" " "	918		76	918	70			60 min.

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	0.2618		1076.2	0.9813	1.144	1.087	343.8
2	0.3346		1069.2	0.9813	1.144	1.087	436.6
3	0.5090		1055.2	0.9795	1.144	1.085	653.0
4	0.7208		1037.2	0.9777	1.144	1.082	904.8
5	2.162		931.2	0.9850	1.144	1.077	2443.3

NO.	P_t	Temp. °R	T_r	Z
1	1.70	540	1.51	0.846
2	1.69	540	1.51	0.847
3	1.66	542	1.51	0.849
4	1.64	544	1.52	0.854
5	1.47	536	1.50	0.862

Gas Liquid Hydrocarbon Ratio: Dry Gas Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: None Deg.
Specific Gravity Separator Gas: 0.764 XXXXXXXXXX
Specific Gravity Flowing Fluid: XXXXX
Critical Pressure: 634 P.S.I.A. ____ P.S.I.A.
Critical Temperature: 358 R ____ R

P_f 1180.2 P_f^2 1393

NO	P_t^2	P_s	P_s^2	$P_f^2 - P_s^2$
1		1170.2	1369	24
2		1163.2	1353	40
3		1150.2	1323	70
4		1133.2	1284	109
5		1071.2	1147	246

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 5.66260$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 5.66260$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 13835.4$

Absolute Open Flow: 13835.4 Mcfd @ 15.025 | Angle of Slope θ: 45° | Slope, n: 1.000

Remarks: BHP measured with Amerada RPG-3 gauge Serial No. 10190N 0-4000 psig

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Tefteller, Inc.	G. W. Taylor	