NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 6-1-77	
Company: BURLESON & HUFF			Connection: El Paso Natural Gas Company		
Pool: Jalmat			Formation: Yates		Unit: K
Completion Date: 5-10-77	Total Depth: 3218		Plug Back TD:	Elevation:	Farm or Lease Name: Woolworth
Csg. Size: 5½ / Wt.: / d: / Set At: 2974			Perforations: From Open To end		Well No.: 2
Tbg. Size: 2 7/8 / Wt.: / d: / Set At: 3164			Perforations: From To		Unit: K / Sec.: 33 / Twp.: 24 / Rge.: 37
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: None		County: Lea
Producing Thru: Tbg.	Reservoir Temp. °F: @	Mean Annual Temp. °F:	Baro. Press. – P_a:		State: New Mexico
L: .	H:	Gg: .697	% CO_2:	% N_2:	% H_2S: / Prover: / Meter Run: 4" / Taps: Flg.

FLOW DATA

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA Press. p.s.i.g.	TUBING DATA Temp. °F	CASING DATA Press. p.s.i.g.	CASING DATA Temp. °F	Duration of Flow
SI							120		120		24 hr.
1.	4	x	1.500	8	3.61	69	118		119		30 min.
2.	4	x	1.500	9	14.67	66	111		112		30 min.
3.	4	x	1.500	10	33.64	66	101		105		30 min.
4.	4	x	1.500	11	58.98	66	92		99		30 min.
5.	4	x	1.500	11	71.40	66	85		95		30 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	10.84	8.75	21.2	.9915	1.198	Nil	113
2.	10.84	18.05	22.2	.9943	1.198	Nil	233
3.	10.84	27.94	23.2	.9943	1.198	Nil	361
4.	10.84	37.78	24.2	.9943	1.198	Nil	488
5.	10.84	41.57	24.2	.9943	1.198	Nil	537

NO.	P_t	Temp. °R	T_f	Z
1.	.03	529	1.35	Nil
2.	.03	526	1.34	Nil
3.	.03	526	1.34	Nil
4.	.04	526	1.34	Nil
5.	.04	526	1.34	Nil

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure 668 P.S.I.A. _____ P.S.I.A.
Critical Temperature 392 R _____ R

P_c 133.2 P_c^2 17.74

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		132.2	17.48	.26
2		125.2	15.68	2.06
3		118.2	13.97	3.77
4		112.2	12.59	5.15
5		108.2	11.71	6.03

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.942$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.295$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.233$

Absolute Open Flow 1,233 Mcfd @ 15.025 | Angle of Slope θ 52.5° | Slope, n .770

Remarks: _____

Approved By Commission: Orig. Signed by Jerry Sexton Dist 1, Supv. | Conducted By: Reggie Reston | Calculated By: Rick Pagan | Checked By: