NEW MEXICO OIL CONSERVATION COMMSSI

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: 10-24-74	
Company: Continental Oil Company	Connection: None			
Pool: Jalmat	Formation: Jalmat		Unit	
Completion Date: 10-24-74	Total Depth	Plug Back TD: 3400	Elevation	Farm or Lease Name: Lynn B-1
Csg. Size: 5½ / Wt. / d / Set At: 2900		Perforations: From To		Well No.: 16
Tbg. Size: 2 3/8 / Wt. / d / Set At: 3106		Perforations: From open To ended		Unit / Sec. / Twp. / Rge.
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	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		.670 Assumed				2"		

	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						292		290		
1.	2	x .500	20		74	279		285		45 Min.
2.	2	x .500	31		78	271		281		1 hr.
3.	2	x .500	52		75	262		277		45 Min.
4.	2	x .500	73		76	250		272		45 Min.
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	4.279		33.2	.9868	1.222	Nil	171
2.	4.279		44.2	.9831	1.222	Nil	227
3.	4.279		65.2	.9859	1.222	Nil	336
4.	4.279		86.2	.9850	1.222	Nil	444
5.							

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

Gas Liquid Hydrocarbon Ratio: Dry Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: Deg.
Specific Gravity Separator Gas: .670 Assumed | xxxxxxxxx
Specific Gravity Flowing Fluid: xxxxx
Critical Pressure: 669 P.S.I.A. | P.S.I.A.
Critical Temperature: 382 R | R

P_c 305.2 P_c^2 93.15

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		298.2	88.92	4.22
2		294.2	86.55	6.59
3		290.2	84.22	8.93
4		285.2	81.34	11.81
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 7.887$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 7.292$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3.238$

Absolute Open Flow: 3,238 Mcfd @ 15.025 | Angle of Slope θ: 46° | Slope, n: .962

Remarks: No fluid made

Continental Oil Co.

Lynn B-1 #16

Aof 3,238 mcf/d n=.962