NEW XICO OIL CONSERVATION COMMSSIC

Form C-122
Revised 9-1-65

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

HOBBS OFFICE O. C. C.

Nov 29 11 35 AM '66

Type Test: [X] Initial [ ] Annual [ ] Special								
Company: El Paso Natural Gas Company				Connection: None				
Pool: Jalmat				Formation: Yates			Unit	
Completion Date: 11-22-66		Total Depth		Plug Back TD: 2965		Elevation	Farm or Lease Name: Langlie	
Csg. Size: 5 1/2"	Wt.: 14.0	d	Set At: 2866	Perforations: From 2900		To 2949	Well No.: 3	
Tbg. Size: 2.375	Wt.: 4.7	d: 1.995	Set At: 2875	Perforations: From		To	Unit: J	Sec.: 8 Twp.: 25 Rge.: 37
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single				Packer Set At: None			County: Lea	
Producing Thru: Tubing	Reservoir Temp. °F		Mean Annual Temp. °F	Baro. Press. – P_a: 13.2			State: New Mexico	
L	H	Gg	% CO_2	% N_2	% H_2S	Prover: 2"	Meter Run	Taps

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						425		425		
1.	2"	3/32				334		334	87°	1 Hour
2.	2"	1/8				310		311	84°	1 Hour
3.	2"	3/16				265		266	75°	1 Hour
4.	2"	1/4				220		222	73°	1 Hour
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	.1410		347.2	.9750	1.240	1.031	61.04
2	.2643		323.2	.9777	1.240	1.029	106.8
3	.6082		278.2	.9859	1.240	1.027	212.4
4	1.087		233.2	.9877	1.240	1.022	317.3
5							

NO.	P_t	Temp. °R	T_r	Z
1	.52	547	1.46	.941
2	.48	544	1.45	.944
3	.42	535	1.43	.949
4	.35	533	1.42	.957
5				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.

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

Specific Gravity Separator Gas .650 Assumed XXXXXXXXX

Specific Gravity Flowing Fluid XXXXX

Critical Pressure 670 P.S.I.A. _____ P.S.I.A.

Critical Temperature 375 R _____ R

P_c _____ P_c^2 _____

NO	P_c^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		347.2	120.5	71.5
2		323.2	104.5	87.5
3		278.2	77.4	114.6
4		233.2	54.4	137.6
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.339$ $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n =$ _____

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

Absolute Open Flow 443.0 Mcfd @ 15.025 Angle of Slope θ 45 Slope, n 1.000

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Murray & Whitling	Murray & Whitling	