NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

HOBBS OFFICE O. C. C.

JUN 7 11 25 AM '67

Type Test: [X] Initial [ ] Annual [ ] Special — Test Date: 5-26-67

Company: TEXACO Inc.	Connection: NONE		
Pool: Justis	Formation: Glorieta		Unit
Completion Date: 5-26-67	Total Depth: 6115	Plug Back TD	Elevation
Farm or Lease Name: C.C.Fristoe "B"NCT-2			
Csg. Size: 2 7/8 / Wt.: 6.5 / d: 2.441 / Set At: 5145	Perforations: From 4849 To 4880		Well No.: 13
Tbg. Size: NONE / Wt. / d / Set At	Perforations: From To		Unit: O / Sec.: 26 / Twp.: 24S / Rge.: 37E
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Gas - Oil	Packer Set At		County: Lea
Producing Thru: Casing	Reservoir Temp. °F: 108 4849	Mean Annual Temp. °F: 60	Baro. Press. – P_a: 13.2 / State: New Mexico
L: 4849 / H: 4849 / Gg: .688	% CO_2 / % N_2 / % H_2S / Prover		Meter Run: 2.067 / Taps: Flange

	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								1577	60	72
1.	2.067	0.875	101	29	110			1513	72	1
2.	2.067	0.875	101	82	108			1471	72	1
3.	2.067	1.500	101	26	90			1347	73	1
4.	2.067	1.500	101	63	82			1087	73	1
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	3.729	57.55	114.2	.9551	1.206	1.009	249.4
2	3.729	96.77	114.2	.9568	1.206	1.009	420.1
3	12.76	54.49	114.2	.9723	1.206	1.010	823.5
4	12.7	84.82	114.2	.9795	1.206	1.011	1293
5							

NO.	P_t	Temp. °R	T_f	Z
1				
2				
3				
4				
5				

Gas Liquid Hydrocarbon Ratio: DRY Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: -- Deg.
Specific Gravity Separator Gas: 0.688 XXXXXXXXXX
Specific Gravity Flowing Fluid: XXXXX
Critical Pressure: 669 P.S.I.A. ____ P.S.I.A.
Critical Temperature: 385 R ____ R

P_c 1590.2 P_c^2 2528.7

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	2329.3		2329.6	199.1
2	2202.8		2203.7	325.0
3	1850.1		1853.7	675.0
4	1210.4		1219.7	1309.0
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.746$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3.610$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2973$

Absolute Open Flow: 2973 Mcfd @ 15.025 | Angle of Slope θ: ____ | Slope, n: .972

Remarks: Gas Analysis was not taken

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	K. R. Preston	F. W. Moore	

F. W. Moore