3-OCC, 1-HLKendwicks
1-BParrish
1-LDH, 1-TCA,
1-TCowan, 1-JTH, 1-F

NEW MEXICO OIL CONSERVATION COMMSSION

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: 4-6-67	
Company: Beta Development Co.			Connection: El Paso Natural Gas Co.		
Pool: Basin Dakota			Formation: Dakota		Unit
Completion Date: 3-29-67	Total Depth: 6481		Plug Back TD	Elevation: 6254	Farm or Lease Name: Tibbar Federal
Csg. Size: 4.5 / Wt.: 10.5 / d: 4.052 / Set At: 6481			Perforations: From 6272 To 6408		Well No.: 4
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 6374			Perforations: From open To end		Unit: H / Sec.: 25 / Twp.: 26 / Rge.: 9
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single - Gas			Packer Set At		County: San Juan
Producing Thru: tubing	Reservoir Temp. °F @		Mean Annual Temp. °F	Baro. Press. – P_a: 12.0	State: New Mexico
L: 6363	H	Gg: .670	% CO_2	% N_2	% H_2S / Prover / 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					1925		1995		7 days
1.	3/4"	245		82	245	82	630		3 hrs
2.									
3.									
4.									
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	12.3650		257	.9795	.9463	1.023	3,061
2.							
3.							
4.							
5.							

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

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 _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

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DIST. 3

P_c 2007 P_c^2 4028.0

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		642	412.1	3615.9
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.113$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.084$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3,266$

Absolute Open Flow 3,266 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .750

Remarks: Witness by C. Wagner

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	G.L.Hoffman	G.L.Hoffman	