

3-OCC, 1-HLKendrick, 1-B-Parrish,
1-LDH, 1-TCA, 1-TCowan, 1-E

NEW MEXICO OIL CONSERVATION COMMISSION
MULTI-POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 12-1-55

Pool Basin Dakota		Formation Dakota		County San Juan	
Initial X	Annual	Special	Date of Test 2-26-65		
Company Beta Development Co.		Lease Federal "G"		Well No. 1	
Unit C	Sec. 35	Twp. 31	Range 12	Purchaser El Paso Natural Gas Co.	
Casing 4 1/2	Wt. 10.5	I.D. 4.052	Set at 7002	Perf. 6835	To 6957
Tubing 2-3/8	Wt. 4.70	I.D. 1.995	Set at 6924	Perf. Open	To End
Gas Pay:	From 6835	To 6957	L 6912	G .670	GL Bar. Press. 12.0
Producing Through:		Casing	Tubing X	Type Well - Single - Braden head - G.G. or G.O. Dual Single - Gas	
Date of Completion 2-17-65		Packer		Reservoir Temp.	

OBSERVED DATA

Tested Through:								Type of Taps		
Prover ☐ Choke ☐ Meter ☐										
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW HR.
No.	(Prover) (Line) Size	(Choke) XXXX Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
SI						1927		1925		7 days
1.		3/4	190		82	190	82	538		3 hrs
2.										
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24 Hour)	$\sqrt{h_w P_f}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCF PD @ 15.025 psia
1.	12.3650		202	.9795	.9463	1.019	2,360
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl. Specific Gravity Separator Gas _____

Gravity of Liquid Hydrocarbons _____ deg. Specific Gravity Flowing Fluid _____

F_c _____ P_c **1939** P_c² **3759.7**

P_w **550** P_w² **302.5**

No.	$\frac{P_w}{P_t}$ psia	$(F_c Q)^2$	$(F_c Q)^2 (1 - e^{-S})$	P_w^2	$P_c^2 - P_w^2$	Cal P _w	$\frac{P_w}{P_c}$
1.				302.5	3457.2		.283
2.							
3.							
4.							
5.							

ABSOLUTE POTENTIAL: 2,511 MCFPD; n .75

COMPANY Beta Development Co. WITNESSED H. McAnally

ADDRESS 234 Petr. Club Plaza, Farmington, N. M. COMPANY El Paso Natural Gas Co.

AGENT AND TITLE GL Hoffman, Prod. Engr.

