

1-BParrish, 1-HLKendrick
1-LDHa 1-TCA, 1-TCowan
1-F

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 S Rio Arriba	
Initial X		Annual		Date of Test 11-8-65	
Company Beta Development Co.		Lease San Juan 29-6 Unit		Well No. 94	
Unit M	Sec. 16	Twp. 29N	Range 6W	Purchaser El Paso Natural Gas Co.	
Casing 4-1/2	Wt. 11.6 10.5	I.D. 4.052	Set at 7800	Perf. 7682	To 7772
Tubing 2-3/8	Wt. 4.7	I.D. 1.995	Set at 7754	Perf. Open	To End
Gas Pay:	From 7682	To 7772	L 7742	G .670	GL 5187 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		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) (Size)	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.		
SI						2473		2493	7 days
1.		3/4"	166		72	166		648	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 P D @ 15,025 psia
1.	12.3650		178	.9887	.9463	1.017	2,094
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

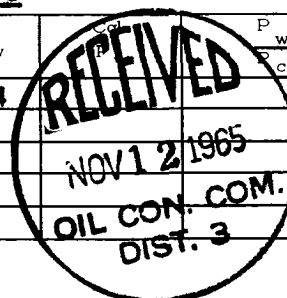
Gas Liquid Hydrocarbon Ratio _____ cf/bbl. Specific Gravity Separator Gas _____

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

F_c _____ (1-e^{-S}) _____ P_c **2505** P_c² **6275.0**

P_w **660** P_w² **435.6**

No.	P _w P _t psia	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-S})	P _w ²	P _c ² - P _w ²	P _w P _c
1.						435.6	5839.4	
2.								
3.								
4.								
5.								



ABSOLUTE POTENTIAL: **2,210** MCFPD; n **.75**

COMPANY **Beta Development Co.** WITNESSED **H. McNally**

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

AGENT AND TITLE **G.L. Hoffman, Prod. Engr.**