

3-OCC, 2-Phillips (Wolcast, Cullender)

1-Com. Pub. Lands

MULTI-POINT BACK PRESSURE TEST FOR GAS WELL

1-BParrish, 1-HLKendrick, 1-LDH, 1-ICA, 1-Cowan, 1-F

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

Pool Basin Dakota		Formation Dakota		County Rio Arriba	
Initial X	Annual	Special	Date of Test 11-8-65		
Company Beta Development Co.		Lease Sah Juan 29-6 Unit		Well No. 93	
Unit B	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 8090	Perf. 7976	To 8076
Tubing 2-3/8	Wt. 4.7	I.D. 1.995	Set at 8042	Perf. Open	To End
Gas Pay:	From 7976	To 8076	L 8030	G .670	GL 5380 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

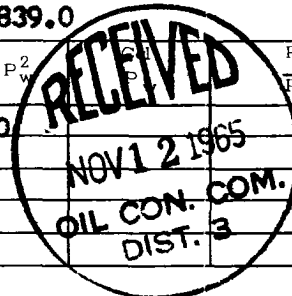
Tested Through:		Prover ☐	Choke ☒	Meter ☐	Type of Taps					
FLOW DATA					TUBING DATA		CASING DATA		DURATION OF FLOW HR.	
No.	(Prover) (Line) Size	(Choke) (Line) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.		Temp. °F.
SI						2480		2483		10 days
1.		3/4	225		72	225	72	904		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		237	.9887	.9463	1.022	2,802
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 2495 P _c ² 6225.0			
				P _w 916 P _w ² 839.0			
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
1.						839.0	5386.0
2.							
3.							
4.							
5.							

ABSOLUTE POTENTIAL: **3,121** 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.**