

3-OCC, 1-HLKendrick, 1-B-Parrish

2-Phillips (Wolgast, Cullender)

1-Comm. Pub. Lands

1-TCA, 1-LDH, 1-ICowan, 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 Rio Arriba	
Initial X		Annual		Special	
Date of Test 5-24-65		Company Beta Development Co.		Lease San Juan 29-6	
Well No. 88		Unit L		Sec 33	
Twp. 29N		Range 6W		Purchaser El Paso Natural Gas Co.	
Casing 4 1/2"		Wt. 11.6		I.D. 4.000	
Set at 7758		Perf. 7550		To 7738	
Tubing 2-3/8		Wt. 4.7		I.D. 1.995	
Set at 7730		Perf. Open		To End	
Gas Pay:		From 7550		To 7738	
L 7717		G .670		GL 12.0	
Bar. Press.		Casing		Tubing	
Producing Through:		Type Well - Single - Braden head - G.G. or G.O. Dual Single - gas		Date of Completion 5-28-65	
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	XXXXXX (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.				
SI						2574		2576		7 days			
1.		3/4	257		120	257	120	1407		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		269	.9469	.9463	1.019	3,038
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 **2588** P_w^2 **6697.7**
 P_w **1419** P_w **2013.6**

No.	P_w psia	P_t^2	$F_c Q$	$(F_c Q)^2$	$(F_c Q)^2 (1 - e^{-S})$	P_w^2	$P_c^2 - P_w^2$	Cal P_w	$\frac{P_w}{P_c}$
1.						2013.6	4684.1		.548
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **3,974** MCFPD; n **.75**COMPANY **Beta Development Co.**WITNESSED **H. McAn ally**ADDRESS **234 Petr. Club Plaza, Farmington, N.M.**COMPANY **El Paso Natural Gas Co.**AGENT AND TITLE **G.L. Hoffman, Prod. Engr.**

RECEIVED

MAY 27 1965

OIL CON. COM.
DIST. 3