3-OCC, 1-HLKendrick,1-BParrish
2-Phillips (Wolgast,Cullender)
1-Comm.Pub.Lands, 1-TCA, 1-LDH, 1-Cowan, 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 28-6		Well No.: 117
Unit: J	Sec.: 10	Twp.: 28N	Range: 6W
Casing: 4-1/2	Wt.: 10.5 (11.6)	I.D.: 4.052	Set at: 7742
Tubing: 2-3/8	Wt.: 4.70	I.D.: 1.995	Set at: 7705
Gas Pay:	From: 7538	To: 7725	L: 7691
Producing Through:	Casing	Tubing: X	
Date of Completion: 5-14-65	Packer		Reservoir Temp.

Purchaser: El Paso Natural Gas Co.
Perf.: 7538 To: 7725
Perf.: Open To: End
G: .670 GL: Bar. Press.: 12.0
Type Well – Single – Braden head – G.G. or G.O. Dual: Single - gas

OBSERVED DATA

Tested Through: Prover ☐ Choke ☒ Meter ☐ Type of Taps

No.	FLOW DATA (Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h_w	Temp. °F.	TUBING DATA Press. psig.	Temp. °F.	CASING DATA Press. psig.	Temp. °F.	DURATION OF FLOW HR.
						2449		2464		7 days
SI		3/4	377		75	377	75	1251		3 hrs
1.										
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
	12.3650		389	.9859	.9463	1.037	4,653
1.							
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
F_c _____ $(1-e^{-S})$ _____

Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
P_c 2476 P_c^2 6130.7
P_w 1263 P_w^2 1595.1

No.	P_w or P_t psia	P_t^2	$F_c Q$	$(F_c Q)^2$	$(F_c Q)^2 (1-e^{-S})$	P_w^2	$P_c^2 - P_w^2$	Cal P_w	$\frac{P_w}{P_c}$
						1595.1	4535.6		.510
1.									
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: 5,830 MCFPD; n .75

COMPANY: Beta Development Co.
ADDRESS: 234 Petr. Club Plaza, Farmington, N.M.
AGENT AND TITLE: G.L.Hoffman, Prod. Engr.

WITNESSED: H.McAnally
COMPANY: El Paso Natural Gas Co.

RECEIVED
MAY 27 1965
OIL CON. COM.
DIST. 3