

3-OCC, 1-HLKendrick
1-BParrish, 1-TCA
1-LDH, 1-TCowan
1-JTH, 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 San Juan	
Initial X	Annual	Special	Date of Test 3-7-67		
Company Beta Development Co.		Lease Tibbar Federal		Well No. 3	
Unit D	Sec. 24	Twp. 26N	Range 9W	Purchaser El Paso Natural Gas Co.	
Casing 4.5	Wt. 10.5	I.D. 4.052	Set at 6693	Perf. 6409	To 6659
Tubing 2.375	Wt. 4.7	I.D. 1.995	Set at 6584	Perf. Open	To End
Gas Pay:	From 6409	To 6659	L 6573	G .670	GL 12.0
Producing Through:		Casing	Tubing X	Type Well - Single - Braden head - G.G. or G.O. Dual single gas	
Date of Completion 2-23-67		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.	Press. psig.	Temp. °F.	
SI						1933		2024		10 days
1.		3/4"	314		80	314		787		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		326	.9813	.9463	1.030	3,855
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.		Specific Gravity Separator Gas _____						
Gravity of Liquid Hydrocarbon _____ deg.		Specific Gravity Flowing Fluid _____						
F _c _____		P _c 2036 P _w 799						
		P _c ² 4145.3 P _w ² 638.4						
No.	P _w P _t psia	P _c ²	(F _c Q) ²	(F _c Q) ² (1-e ^{-S})	P _w ²	P _c ² - P _w ²	Cal P _w	P _w P _c
1.					638.4	3506.9		
2.								
3.								
4.								
5.								

ABSOLUTE POTENTIAL: **4,370** MCFPD; n **.75**

COMPANY **Beta Development Co.** WITNESSED **Al Loleit**

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

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