

Initial
Deliverability Test

NEW MEXICO OIL CONSERVATION COMMISSION
GAS WELL TEST DATA SHEET - SAN JUAN BASIN

Pool BLANCO Formation MV County SJ
Well Name EPNG COM A #2 70487
Unit M S 32 T 31 R 8 Pay Zone 4712 To 5452 Flow String TUBING
Casing O D 4.500 I D 4.052 Set at 5520 Tubing O D 2.375 I D 1.995 L 5361 Top Perf
Operator EL PASO NATURAL GAS CO Purchasing Pipeline EL PASO NATURAL GAS COMPANY

Pd: % Of P_c 80 Comm. Designated P_c, psia _____ Period Of Test Flow From 03-13-67 To 03-21-67 SIP Measured 12-21-66

Deadweight Flowing Pressure, psia
Casing _____ (a) Tubing _____ (b) Meter _____ (c) Chart _____ (d)

Deadweight Shut-In Pressures, psia
Casing 832 (j) Tubing 832 (k) Meter Error 000 (e) Friction Loss 0 (l)

7 Day-Avg. Flowing Pres., psia
Chart 511 (g) Corrected 511 (h) P_f 511 (i) Gravity .657

G. I. = 3522 (1-e⁻³) = .226 F_c 9.402 (F_cQ)² 342.361 (6)

(1-e⁻³) (F_cQ)² = R² = 77374 (5) P₁² = 261121 P₂² = 338495 (1)

$$Q = \frac{1968}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} \right] = \frac{1968}{1.0000} = 1968$$

$$D=Q \frac{1968}{1.0000} \times \left[\frac{(P_2^2 - P_3^2)}{(P_1^2 - P_2^2)} \right]^n = \left[\frac{248668}{353729} \right]^n = \frac{(.7029)^n}{.7677} = \frac{1511}{1.176}$$

REMARKS

First Delivered after OWWO 2-24-67.



OK

SUMMARY

P_c = 832
Q = 1968
P_w = 582
P_d = 666
D = 1511

Company EL PASO NATURAL GAS CO
By H.L. Kendrick, P.E.
Title AREA GAS WELL TEST ENGINEER
Witnessed By _____
Company _____

F. Loc. 890/S; 1120/W Elev. 6042 GL Spd. 6/19/53 Comp. 7/16/53 TD 5209 PB
 Casing 9-5/8 @ 161 W 125 Sx. Int. @ W Sx. Pr. 7 @ 4600 W 300 Sx. T. 2-3/8 @ 5200
 Csg. Perf. Prod. Stim. Shot 1331 qts 4695-5209

I.P. 4495 ~~8870~~ MCF/D After 3 Hrs. SICP 1057 PSI After 9 Days GOR Grav. Ist Del. 10/21/53 EPNG

TOPS		NITD	X	Well Log	X	TEST				DATA		
						Schd.	PC	Q	PW	PD	D	Ref. No.
Kirtland	1758	C-102		Plat	X							
Fruitland	2553	C-103	X	Electric Log	X	24	957	992	455	479	970	
Pictured Cliffs	2871	C-104	X	C-110	X	24	957	426	530	479	453	
Cliff House	4625					7/2/53	933	353	536	467	384	
Menefee	4756			Ditr		7/2/53	907	329	573	454	388	
Point Lookout	5105			Datr		7/2/53	806	340	525	403	415	
Mancos				Dac	7/8/51	7/2/53	888	297	492	444	517	
Gallup				Remarks	2/1/52	4/1/52	875	352	522	437	344	
Dakora					7/1/52	7/1/52	800	300	500	437	304	
Morrison						7/1/52	800	177	111	111	111	#6405
Entrada						7/2/53	855	400	11	1105	419	5100
						7/10/53	992	213	500	452	505	
						7/10/53	877	401	500	702	484	
PCD	3181				W320							

Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec.
 Blanco MV Co. San Juan s 32 T 31N R 8W U M Oper. EPNG Lse. EPNG State No. 2

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						Schd.	PC	Q	PW	PD	D	AIL
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