

OPEN FLOW TEST DATA

DATE September 3, 1957

Operator El Paso Natural Gas Products Company		Lease Frontier No. 2	
Location 1750'S, 790'E, Sec. 8-26-12		County San Juan	State New Mexico
Formation Lower Gallup		Pool Undesignated	
Casing: Diameter 7-5/8	Set At: Feet 3940	Tubing: Diameter 2"	Set At: Feet 4968
Pay Zone: From 4897	To 5025	Total Depth: c/o - 5048	
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.75	Choke Constant: C 12.365	5-1/2" liner - 3870 to 5103	
Shut-in Pressure, Casing, PSIG 1298	- 12 - PSIA 1310	Days Shut-In 11	Shut-in Pressure, Tubing PSIG 1298
Flowing Pressure, P PSIG 78	- 12 - PSIA 90		- 12 - PSIA 1310
Temperature: T °F 67	n =	Working Pressure: P _w PSIG Calculated	- 12 - PSIA 171
	.750	Flow From Tables 1.011	Gravity 705

CHOKE VOLUME = $Q = C \times P_r \times F_1 \times F_g \times F_{pv}$

$$Q = 12.365 \times 90 \times .9933 \times .9225 \times 1.011 \quad 1031 \quad \text{MCF D}$$

$$\text{OPEN FLOW } A_{of} = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

$$A_{of} \left(\frac{1,716,100}{1,686,859} \right)^n \quad 1.0173^{.75} \times 1031 = 1.0129 \times 1031$$

$$A_{of} \quad 1044 \quad \text{MCF D}$$

Well made heavy spray of distillate and some oil.

TESTED BY Richard Proctor and R. A. Ullrich

WITNESSED BY _____

L. D. Galloway
L. D. Galloway

AZTEC DISTRICT OFFICE

No. Copies Received 3

DISTRICT 11/2N

100-443887-100

13-00000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466
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1. The first part of the document is a header section containing the following information:

- 1.1. The name of the organization: "The [illegible] Company"
- 1.2. The address: "1234 Main Street, Suite 500, New York, NY 10001"
- 1.3. The contact information: "Phone: (212) 555-1234, Fax: (212) 555-5678, Email: info@[illegible].com"

2. The second part of the document is a table with the following columns:

Item	Description	Quantity	Unit Price	Total Price
1	[illegible]	100	\$1.00	\$100.00
2	[illegible]	50	\$2.00	\$100.00
3	[illegible]	25	\$4.00	\$100.00
4	[illegible]	10	\$10.00	\$100.00
5	[illegible]	5	\$20.00	\$100.00
6	[illegible]	2	\$50.00	\$100.00
7	[illegible]	1	\$100.00	\$100.00
8	[illegible]	1	\$100.00	\$100.00
9	[illegible]	1	\$100.00	\$100.00
10	[illegible]	1	\$100.00	\$100.00
11	[illegible]	1	\$100.00	\$100.00
12	[illegible]	1	\$100.00	\$100.00
13	[illegible]	1	\$100.00	\$100.00
14	[illegible]	1	\$100.00	\$100.00
15	[illegible]	1	\$100.00	\$100.00
16	[illegible]	1	\$100.00	\$100.00
17	[illegible]	1	\$100.00	\$100.00
18	[illegible]	1	\$100.00	\$100.00
19	[illegible]	1	\$100.00	\$100.00
20	[illegible]	1	\$100.00	\$100.00
21	[illegible]	1	\$100.00	\$100.00
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29	[illegible]	1	\$100.00	\$100.00
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31	[illegible]	1	\$100.00	\$100.00
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48	[illegible]	1	\$100.00	\$100.00
49	[illegible]	1	\$100.00	\$100.00
50	[illegible]	1	\$100.00	\$100.00
51	[illegible]	1	\$100.00	\$100.00
52	[illegible]	1	\$100.00	\$100.00
53	[illegible]	1	\$100.00	\$100.00
54	[illegible]	1	\$100.00	\$100.00
55	[illegible]	1	\$100.00	\$100.00
56	[illegible]	1	\$100.00	\$100.00
57	[illegible]	1	\$100.00	\$100.00
58	[illegible]	1	\$100.00	\$100.00
59	[illegible]	1	\$100.00	\$100.00
60	[illegible]	1	\$100.00	\$100.00
61	[illegible]	1	\$100.00	\$100.00
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64	[illegible]	1	\$100.00	\$100.00
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67	[illegible]	1	\$100.00	\$100.00
68	[illegible]	1	\$100.00	\$100.00
69	[illegible]	1	\$100.00	\$100.00
70	[illegible]	1	\$100.00	\$100.00
71	[illegible]	1	\$100.00	\$100.00
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80	[illegible]	1	\$100.00	\$100.00
81	[illegible]	1	\$100.00	\$100.00
82	[illegible]	1	\$100.00	\$100.00
83	[illegible]	1	\$100.00	\$100.00

1. The first part of the document is a list of names and addresses, which appears to be a directory or a list of contacts. The names are written in a cursive script, and the addresses are listed below them. The list includes names such as "John A. Smith", "Mary E. Jones", and "Robert L. Brown".

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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TRANSMISSION

[illegible]

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466
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1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.