

Submit in duplicate to
appropriate district office
See Rule 401 & Rule 1122

State of New Mexico
ge, Minerals and Natural Resources Departn

Form C-122
Revised 4-1-91

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator ENRON OIL & GAS Company (7377)						Lease or Unit Name SAND TANK "7" FEDERAL COM (18729)					
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 6/9/96		Well No. 7			
Completion Date 6/3/96		Total Depth 11835		Plug Back TD 11739		Elevation		Unit Ltr. Sec. TWP - Rge. 7-18S-30E			
Csg. Size 5 1/2	Wt. 17	d 4.892	Set At 11835	Perforations: From: 11673 To: 11693		County EDDY					
Tbg. Size 2-7/8	Wt. 6.5	d 2.441	Set At 11694	Perforations: From: JUL 25 1995 To:		Pool Sand Tank (96573)					
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single				Packer Set At 11694		Formation CHESTER					
Producing Thru TBG		Reservoir Temp. °F 176		Mean Annual Temp. °F 60		Baro. Press - P _a 13.2		Connection SALES LINE			
L 11697	H 11697	Gg .697	% CO ₂ .45	% N ₂ .40	% H ₂ S -0-	Prover -0-	Meter Run 3.068	Taps FLG			

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI						2870				72 hr.
1.	3.068 X 2.000		436	1"	109°	2846	96°	PKR		45 min
2.	3.068 X 2.000		436	2.3"	111°	2804	98°	"		45 min
3.	3.068 X 2.000		449	9.0"	81°	2620	98°	"		45 min
4.	3.068 X 2.000		476	29.2"	58°	2306	99°	"		1 hr.
5.										

RATE OF FLOW CALCULATIONS							
NO.	COEFFICIENT (24 HOUR)	$h_w P_m$	Pressure P _m	Flow Temp. Factor Ft	Gravity Factor Fg	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	21.32	21.2	449.2	.9560	1.198	1.021	528
2.	21.32	32.1	449.2	.9543	1.198	1.021	798
3.	21.32	64.5	462.2	.9804	1.198	1.028	1660
4.	21.32	119.5	489.2	1.002	1.198	1.034	3162
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.	.668	569	1.703	.960	32.618	
2.	.668	571	1.709	.960	53.7	
3.	.687	541	1.619	.947	.697	
4.	.727	518	1.550	.936	53.7	XXXXXXX
5.					672	XXXXX

NO.	P _i	P _w	P _w ²	P _c ² - P _w ²
1.	8175	2859.8	8178.6	134.3
2.	7936.6	2818.6	7944.6	368.2
3.	6933.7	2639.6	6967.3	1345.6
4.	5378.7	2344.0	5494.6	2818.3
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{2.950}$

2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.932}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{6.110}$

$P_c = \underline{2883.2}$ $P_c^2 = \underline{8312.8}$

Absolute Open Flow	6,134	Mcf/d @ 15.025	Angle of Slope Θ	58.6	Slope, n	.609
--------------------	--------------	----------------	-------------------------	-------------	----------	-------------

Remarks: **WELL MADE 6.9 BBLS OIL API GRAVITY 53.7**

Approved By Division

Conducted By:

PRO WELL TESTER

Calculated By:

MB

Checked By:

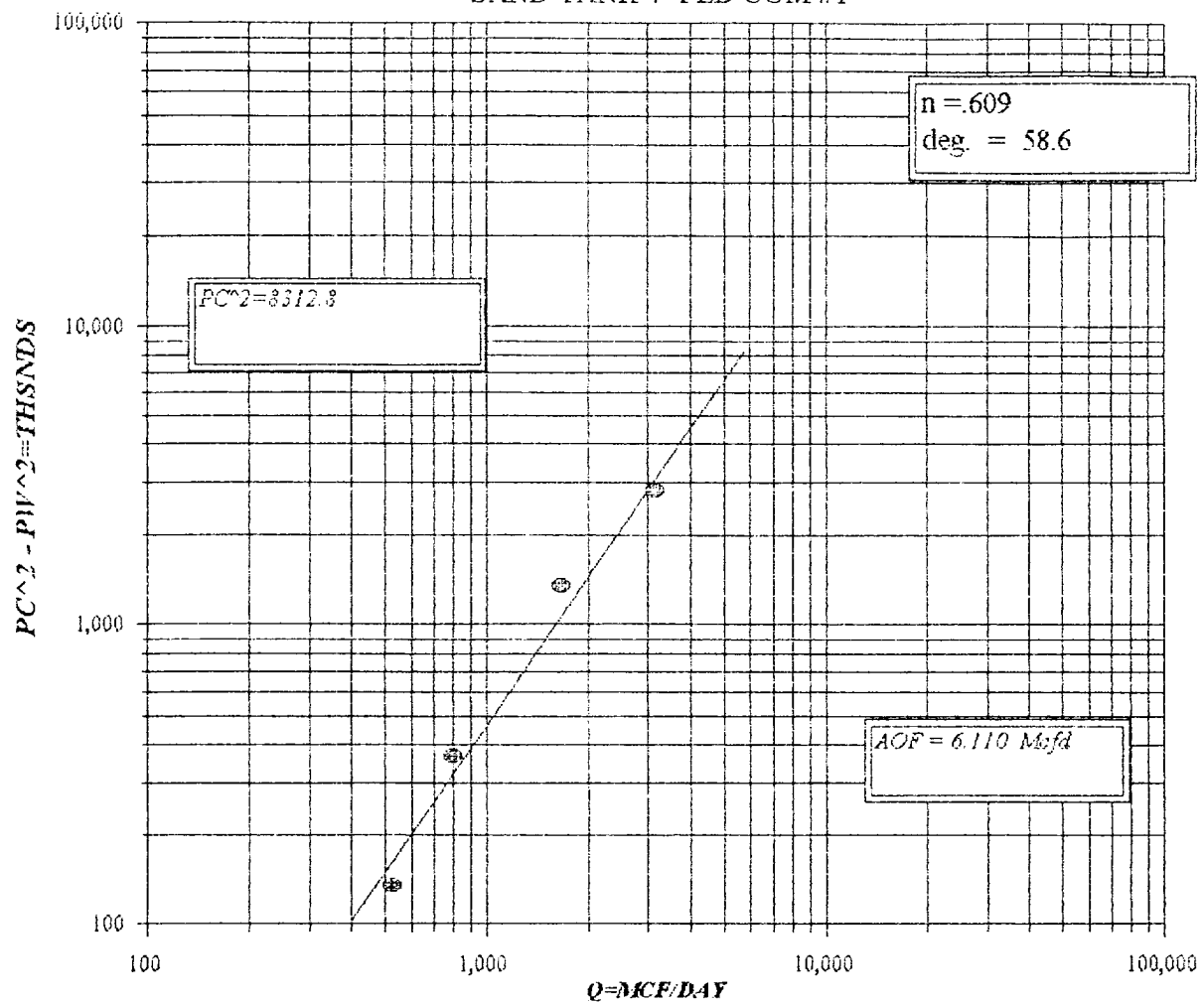
BM

Betty Gildon
Betty Gildon, Regulatory Analyst, Enron Oil & Gas Company

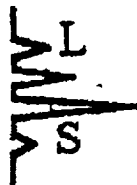
7/24/96

LINE	DATE 1	DATE 2	DATE 3	DATE 4	DATE 5	DATE 6	DATE 7	DATE 8	DATE 9	DATE 10	DATE 11	DATE 12	DATE 13	DATE 14	DATE 15	DATE 16	DATE 17	DATE 18	DATE 19	DATE 20	DATE 21	DATE 22	DATE 23	DATE 24	DATE 25	DATE 26	DATE 27	DATE 28	DATE 29	DATE 30	DATE 31	DATE 32	DATE 33	DATE 34	DATE 35	DATE 36	DATE 37	DATE 38	DATE 39	DATE 40	DATE 41	DATE 42	DATE 43	DATE 44	DATE 45	DATE 46	DATE 47	DATE 48	DATE 49	DATE 50	DATE 51	DATE 52	DATE 53	DATE 54	DATE 55	DATE 56	DATE 57	DATE 58	DATE 59	DATE 60	DATE 61	DATE 62	DATE 63	DATE 64	DATE 65	DATE 66	DATE 67	DATE 68	DATE 69	DATE 70	DATE 71	DATE 72	DATE 73	DATE 74	DATE 75	DATE 76	DATE 77	DATE 78	DATE 79	DATE 80	DATE 81	DATE 82	DATE 83	DATE 84	DATE 85	DATE 86	DATE 87	DATE 88	DATE 89	DATE 90	DATE 91	DATE 92	DATE 93	DATE 94	DATE 95	DATE 96	DATE 97	DATE 98	DATE 99	DATE 100	DATE 101	DATE 102	DATE 103	DATE 104	DATE 105	DATE 106	DATE 107	DATE 108	DATE 109	DATE 110	DATE 111	DATE 112	DATE 113	DATE 114	DATE 115	DATE 116	DATE 117	DATE 118	DATE 119	DATE 120	DATE 121	DATE 122	DATE 123	DATE 124	DATE 125	DATE 126	DATE 127	DATE 128	DATE 129	DATE 130	DATE 131	DATE 132	DATE 133	DATE 134	DATE 135	DATE 136	DATE 137	DATE 138	DATE 139	DATE 140	DATE 141	DATE 142	DATE 143	DATE 144	DATE 145	DATE 146	DATE 147	DATE 148	DATE 149	DATE 150	DATE 151	DATE 152	DATE 153	DATE 154	DATE 155	DATE 156	DATE 157	DATE 158	DATE 159	DATE 160	DATE 161	DATE 162	DATE 163	DATE 164	DATE 165	DATE 166	DATE 167	DATE 168	DATE 169	DATE 170	DATE 171	DATE 172	DATE 173	DATE 174	DATE 175	DATE 176	DATE 177	DATE 178	DATE 179	DATE 180	DATE 181	DATE 182	DATE 183	DATE 184	DATE 185	DATE 186	DATE 187	DATE 188	DATE 189	DATE 190	DATE 191	DATE 192	DATE 193	DATE 194	DATE 195	DATE 196	DATE 197	DATE 198	DATE 199	DATE 200	DATE 201	DATE 202	DATE 203	DATE 204	DATE 205	DATE 206	DATE 207	DATE 208	DATE 209	DATE 210	DATE 211	DATE 212	DATE 213	DATE 214	DATE 215	DATE 216	DATE 217	DATE 218	DATE 219	DATE 220	DATE 221	DATE 222	DATE 223	DATE 224	DATE 225	DATE 226	DATE 227	DATE 228	DATE 229	DATE 230	DATE 231	DATE 232	DATE 233	DATE 234	DATE 235	DATE 236	DATE 237	DATE 238	DATE 239	DATE 240	DATE 241	DATE 242	DATE 243	DATE 244	DATE 245	DATE 246	DATE 247	DATE 248	DATE 249	DATE 250	DATE 251	DATE 252	DATE 253	DATE 254	DATE 255	DATE 256	DATE 257	DATE 258	DATE 259	DATE 260	DATE 261	DATE 262	DATE 263	DATE 264	DATE 265	DATE 266	DATE 267	DATE 268	DATE 269	DATE 270	DATE 271	DATE 272	DATE 273	DATE 274	DATE 275	DATE 276	DATE 277	DATE 278	DATE 279	DATE 280	DATE 281	DATE 282	DATE 283	DATE 284	DATE 285	DATE 286	DATE 287	DATE 288	DATE 289	DATE 290	DATE 291	DATE 292	DATE 293	DATE 294	DATE 295	DATE 296	DATE 297	DATE 298	DATE 299	DATE 300	DATE 301	DATE 302	DATE 303	DATE 304	DATE 305	DATE 306	DATE 307	DATE 308	DATE 309	DATE 310	DATE 311	DATE 312	DATE 313	DATE 314	DATE 315	DATE 316	DATE 317	DATE 318	DATE 319	DATE 320	DATE 321	DATE 322	DATE 323	DATE 324	DATE 325	DATE 326	DATE 327	DATE 328	DATE 329	DATE 330	DATE 331	DATE 332	DATE 333	DATE 334	DATE 335	DATE 336	DATE 337	DATE 338	DATE 339	DATE 340	DATE 341	DATE 342	DATE 343	DATE 344	DATE 345	DATE 346	DATE 347	DATE 348	DATE 349	DATE 350	DATE 351	DATE 352	DATE 353	DATE 354	DATE 355	DATE 356	DATE 357	DATE 358	DATE 359	DATE 360	DATE 361	DATE 362	DATE 363	DATE 364	DATE 365	DATE 366	DATE 367	DATE 368	DATE 369	DATE 370	DATE 371	DATE 372	DATE 373	DATE 374	DATE 375	DATE 376	DATE 377	DATE 378	DATE 379	DATE 380	DATE 3
------	--------	--------	--------	--------	--------	--------	--------	--------	--------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	--------

ENRON OIL & GAS
SAND TANK "7" FED COM #1



=====		
NEW MEXICO G.O.R./G. MIX		
=====		
NO. OF BBLs PRODUCED	=	8.9
API GRAVITY @ 60 DEG.	=	53.7
.....		
SPECIFIC GRAVITY OF GAS	=	0.6970
XX		
TOTAL GAS PRODUCED	=	225
G.O.R.	=	32.618
G.MIX	=	0.786



Laboratory Services, Inc.

1331 Tasker Drive
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

FOR: Enron Oil & Gas Company
P. O. Box 3229
Carlsbad, New Mexico 88220

SAMPLE
IDENTIFICATION: Sand Tank "7" Fed Com #1
COMPANY: Enron Oil & Gas
LEASE:
PLANT:

SAMPLE DATA: DATE SAMPLED: 5-16-96 7:30 AM GAS (XX) LIQUID ()
ANALYSIS DATE: 05-17-96 SAMPLED BY: Pro Well
PRESSURE - PSIG 500.00 ANALYSIS BY: Rolland Perry
SAMPLE TEMP. °F 94.00
ATMOS. TEMP. °F

REMARKS: Sample taken @ the Meter Run.

COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H2S)		
Nitrogen (N2)	0.40	
Carbon Dioxide (CO2)	0.45	
Methane (C1)	81.87	
Ethane (C2)	9.87	2.634
Propene (C3)	4.80	1.319
I-Butane (IC4)	0.56	0.184
N-Butane (NC4)	1.30	0.408
I-Pentane (IC5)	0.29	0.106
N-Pentane (NC5)	0.28	0.102
Hexane Plus (C6+)	0.18	0.075
	100.00	4.828

BTU/CU.FT. - DRY	1215
AT 14.650 DRY	1211
AT 14.650 WET	1190
AT 14.73 DRY	1217
AT 14.73 WET	1196
AT 15.025 DRY	1242
AT 15.025 WET	1221

MOLECULAR WT. 20.1775

SPECIFIC GRAVITY-
CALCULATED 0.697
MEASURED