

P. O. Box 352
Midland, Texas

April 12, 1961

New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Attention: Mr. A. L. Porter, Jr. Re:

TRIPLE COMPLETION
TEXACO Inc. C. H. Weir "B"
Well No. 4, Eumont (Gas),
Skaggs (Glorieta) and
Skaggs (Drinkard) Pools,
Lea County, New Mexico

Gentlemen:

By Order No. R-1850, TEXACO Inc. was granted permission to triple complete the subject well utilizing two strings of tubing for production from the Skaggs (Glorieta) and Skaggs (Drinkard) Pools and the casing tubing annulus for production from the Eumont (Gas) Pool provided the Eumont completion was gas, rather than oil, and further provided that a four-point back pressure test taken through the annulus indicated the production of Eumont (Gas) through the annulus to be efficient.

The subject well has now been completed as planned and you will find attached a copy of a multi-point back pressure test conducted April 6 and 7, 1961, wherein gas production from the Eumont zone through the casing tubing annulus is shown to be efficient.

Should additional information be required, please advise.

Yours very truly,

W. B. Hubbard
Assistant District Superintendent

LNF-PCM

Attachment

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Pool Eumont Formation Penrose County Lea
Initial X Annual _____ Special _____ Date of Test April 6-7, 1961
Company TEXACO Inc. Lease C. H. Weir "B" Well No. 4UT
Unit I Sec. 11 Twp. 20 Rge. 37E Purchaser None
Casing 7-5/8 Wt. 24.0 I.D. 7.025 Set at 5475 Perf. _____ To _____
2-Strings
Tubing 2-3/8 Wt. 4.7 I.D. 1.995 Set at 5274 Perf. _____ To _____
Gas Pay: From 3620 To 3684 L 3620 xG .680 -GL 2462 Bar.Press. 13.2
Producing Thru: Casing X Tubing _____ Type Well Gas-Oil-Oil
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 4-7-61 Packer _____ Reservoir Temp. _____

OBSERVED DATA

Tested Through (Prover) (Choke) (Meter)

Type Taps _____ Flange _____

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI										
1.	3	1.250	35	25	77			691	65	
2.	3	1.250	52	72	79			640	68	3
3.	3	1.250	75	99	72			570	65	3
4.	3	2.000	43	29	52			460	62	3
5.	3	2.000	38	11.4	68			302	60	3
								335	66	20

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_{wpf}}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	9.781	34.71	38.2	.9840	.9393		313.8
2.	9.781	68.51	83.2	.9822	"		618.2
3.	9.781	93.44	112.2	.9887	"		848.7
4.	27.52	40.37	42.2	.9078	"		1051.6
5.	27.52	24.16	51.1	.9924	"		619.7

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio Dry Gas cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
F_c _____ (1-e^{-s}) .156

Specific Gravity Separator Gas .680
Specific Gravity Flowing Fluid _____
P_c 704.2 P_c 495.9

No.	P _w 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	P _w P _c
1.	653.2	426.7				426.7	69.2		.9276
2.	583.2	340.1				340.1	155.8		.8282
3.	473.2	223.9		Friction		223.9	272.0		.6720
4.	315.2	99.35		Negligible		99.35	396.6		.4476
5.	348.2	121.2				121.2	374.7		.4945

Absolute Potential: 725 MCFPD; n .574COMPANY TEXACO Inc.ADDRESS P. O. Box 1270, Midland, TexasAGENT and TITLE F. W. Moore, District Gas Foreman

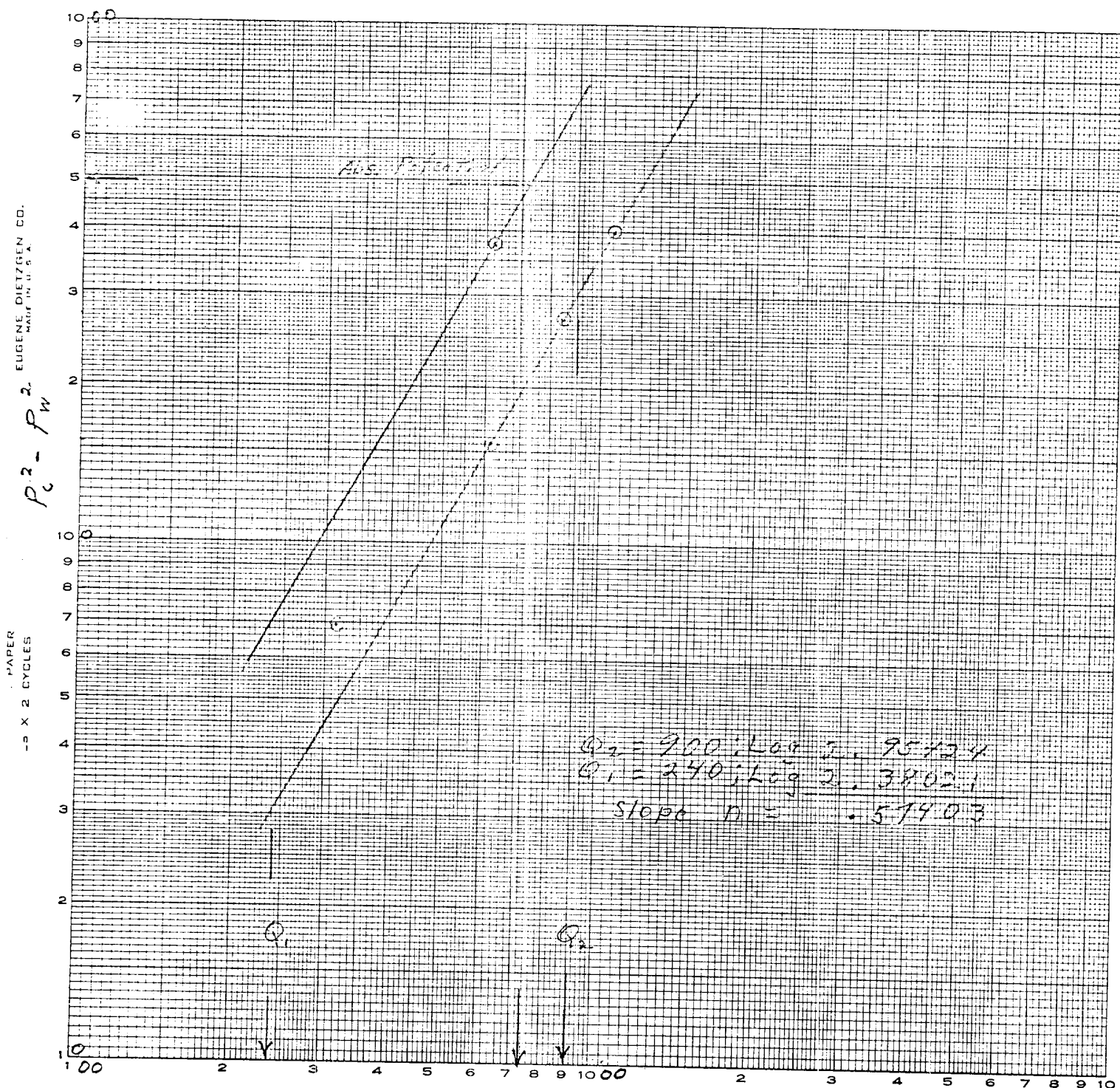
WITNESSED _____

COMPANY _____

REMARKS _____

Company
Lease
Well No.
Location
Date of Test

Texaco Inc.
C Weir "B"
4 (JT) Perforated Zone
I 11-295-37E Lea County
April 6-7, 1961



$Q - \text{MCFD} - 15.025 \text{ PSIA}$

Abs. Potential 725 MCFD