NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Blinebry (Gas) Formation Blinebry County Lea

Initial x Annual ____ Special ____ Date of Test 7-20/7-24-64

Company Humble Oil & Refining Co. Lease J. L. Greenwood Well No. 13

Unit L Sec. 9 Twp. 22 Rge. 37 Purchaser El Paso Natural Gas Co.

Casing 5-1/2 Wt. 15.5 I.D. ____ Set at 8133 Perf. 5465 To 5530

Tubing 2 Wt. 4.7 I.D. ____ Set at 5900 Perf. - To -

Gas Pay: From 5465 To 5530 L 5465 xG Mix .741-GL 4040 Bar.Press. 13.2

Producing Thru: Casing x Tubing ____ Type Well G.O. Dual
Single-Bradenhead-G. G. or G.O. Dual

Date of Completion: 2-26-64 Packer ____ Reservoir Temp. ____

OBSERVED DATA

Tested Through (Prover) (Choke) (Meter) Type Taps ____

No.	Flow Data (Prover) (Line) Size	Flow Data ~~(Choke)~~ (Orifice) Size	Flow Data Press. psig	Flow Data Diff. h_w	Flow Data Temp. °F.	Tubing Data Press. psig	Tubing Data Temp. °F.	Casing Data Press. psig	Casing Data Temp. °F.	Duration of Flow Hr.
SI								1619		72
1.	4	1.250	557	12.96	65			1365		24
2.	4	1.250	551	27.04	59			~~1365~~		24
3.	4	1.250	553	42.25	59			1329		24
4.	4	1.250	555	72.25	56			1260		24
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-MCFPD @ 15.025 psia
1.	9.643	85.96		.9952	.9312	1.066	818.8
2.	9.643	123.51		1.0010	.9312	1.070	1188
3.	9.643	154.67		1.0010	.9312	1.070	1486
4.	9.643	202.61		1.0039	.9312	1.070	1955
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio 54.697 cf/bbl.
Gravity of Liquid Hydrocarbons 54.1@ 60 deg.
P_c 1.793 $(1-e^{-s})$ 0.243

Specific Gravity Separator Gas .692
Specific Gravity Flowing Fluid .7624
P_c 1632.2 P_c^2 2664.1

No.	P_w P_t (psia)	P_t^2	F_cQ	$(F_cQ)^2$	$(F_cQ)^2 (1-e^{-s})$	P_w^2	$P_c^2-P_w^2$	Cal. P_w	$\frac{P_w}{P_c}$
1.	1378.2	1899.4	1.468	2.155	.52	1899.8	764.2	[illegible]	[illegible]
2.	1360.2	1874.7	2.[illegible]	4.537	1.10	1875.6	788.3	1369.6	.8391
3.	1342.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4.	1273.2	1621.0	3.505	12.285	2.98	1624.0	1040.1	1274.3	.7807
5.									

Absolute Potential: 5,000 MCFPD; n 1.000

COMPANY Humble Oil & Refining Co.

ADDRESS [illegible], New Mexico

AGENT and TITLE [illegible] A. L. Carl[illegible], Asst.

WITNESSED ____

COMPANY ____

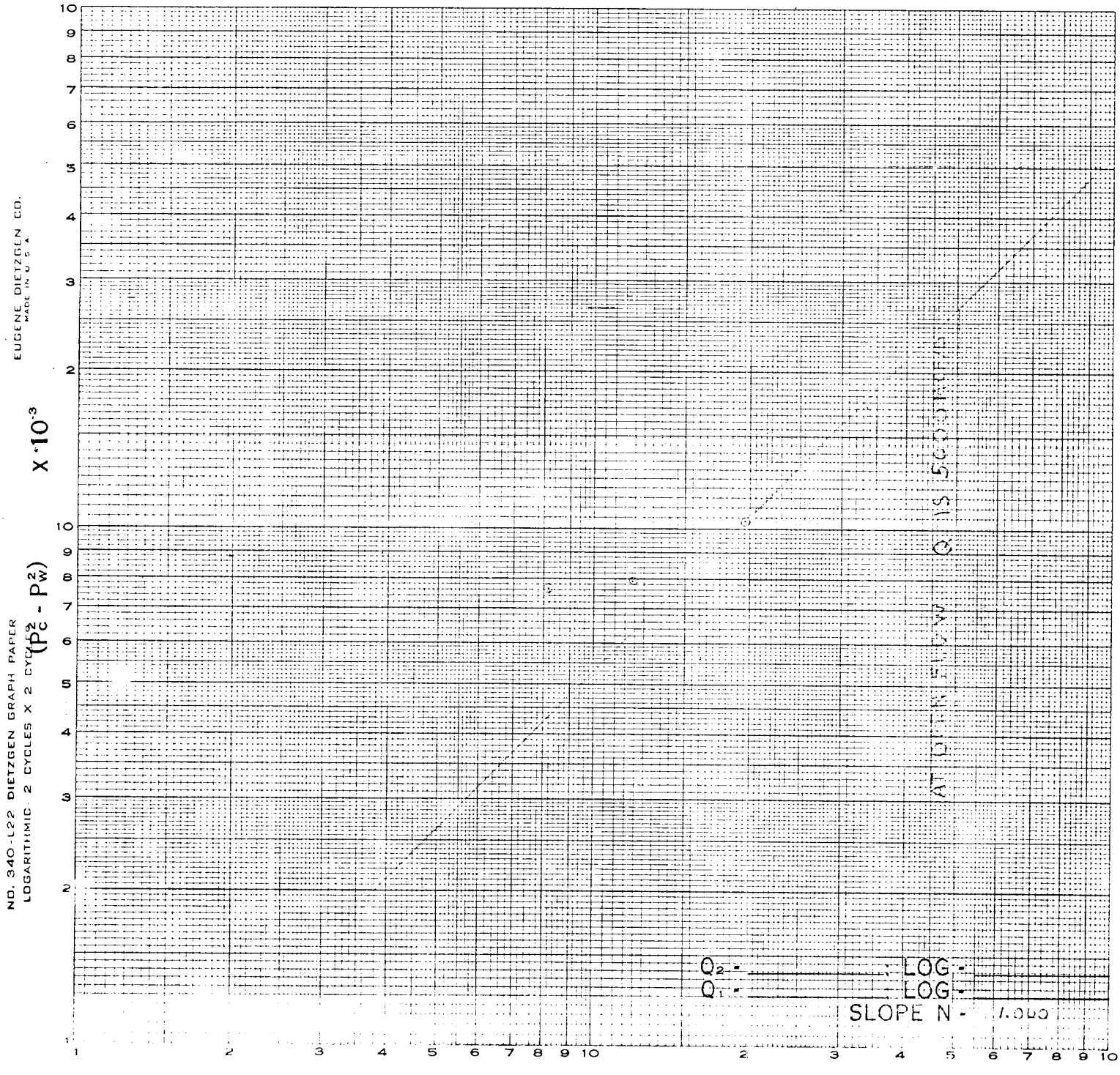
REMARKS

PKR: ATP/[illegible]

HUM E OIL AND REFINING COMP NY

MULTI-POINT BACK PRESSURE TEST FOR G. WELLS

Well No. 13 J. L. Greenwood
Location L-9-22-37
County Lea County, New Mexico
Date July 24, 1964



Q - MCFD - 15.025 PSID