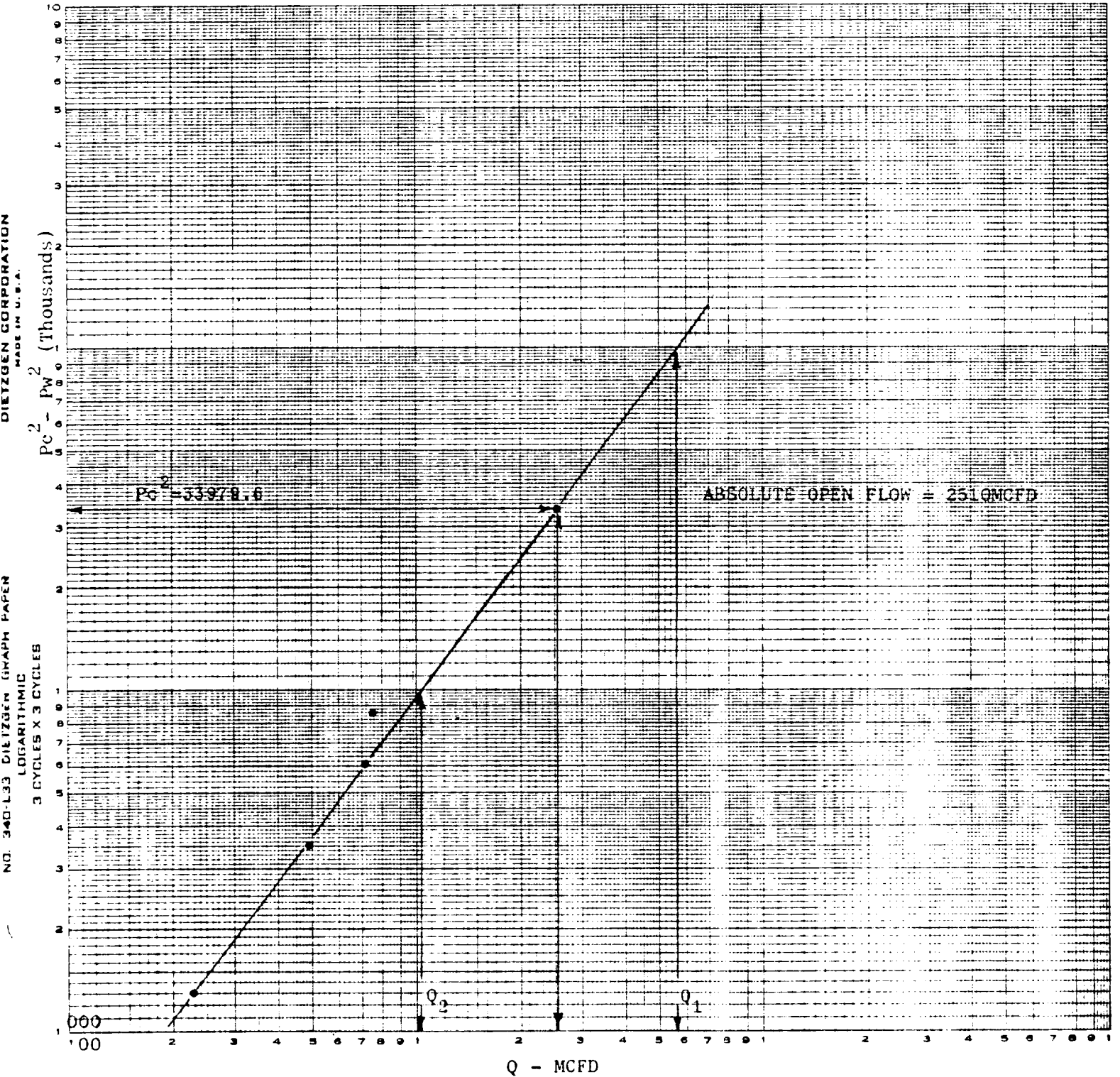


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HOBBS OFFICE

COMPANY: Harvey E. Yates Company
 WELL: Richardson Unit, No. 1
 LOCATION: M 32 13s 36e
 COUNTY: Lea
 DATE: November 10, 1982



$Q_1 = 5600 \text{ MCFD}; \text{Log } Q_1 = 3.74819$

$Q_2 = 1030 \text{ MCFD}; \text{Log } Q_2 = 3.01284$

$N = 0.73535 - 0.735$

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NEW-TEX LAB

PHONE 505/393-3561

P. O. BOX 1161

611 W. SNYDER

HOBBS, NEW MEXICO 88240

ANALYSIS CERTIFICATE

CLIENT: DARRYL WELLS TESTING INC.
 ADDRESS: 100 WEST
 SUITE 100 ALBUQU

ANALYSIS NUMBER:
 DATE OF TEST:
 DATE RECEIVED:

CASE:
 10010102
 11/10/01

TEST: 4010 - WIPER DEFLECT
 SAMPLE DESCRIPTION: WIPER DEFLECT

TEST METHOD: 100

TEST RESULTS (AS PER TEST METHOD)

TEST	UNIT	RESULT
DEFLECT	IN	1.10
DEFLECT	IN	1.12
DEFLECT	IN	1.14
DEFLECT	IN	1.16
DEFLECT	IN	1.18
DEFLECT	IN	1.20
DEFLECT	IN	1.22
DEFLECT	IN	1.24
DEFLECT	IN	1.26
DEFLECT	IN	1.28
DEFLECT	IN	1.30
DEFLECT	IN	1.32
DEFLECT	IN	1.34
DEFLECT	IN	1.36
DEFLECT	IN	1.38
DEFLECT	IN	1.40
DEFLECT	IN	1.42
DEFLECT	IN	1.44
DEFLECT	IN	1.46
DEFLECT	IN	1.48
DEFLECT	IN	1.50

DEFLECT (IN) 1.21
 DEFLECT (IN) 2.09

DEFLECT (IN) 3.15
 DEFLECT (IN) 1.42

TEST	WET	DRY
DEFLECT (IN)	1763	1780
DEFLECT (IN)	1760	1779
DEFLECT (IN)	1766	1788
DEFLECT (IN)	1768	1788

ANALYZED BY:

APPROVED BY:

[Signature]

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F. O. O.
HOSPITAL SERVICE

JARREL SERVICES, INC.

POST OFFICE BOX 1654

PHONE 505 393-5396

HOBBS, NEW MEXICO 88240

COMPANY: Harvey E. Yates Company

WELL: Richardson Unit, No. 1

FIELD: Austin - Mississippian

CHRONOLOGICAL PRESSURE DATA

DATE	STATUS OF WELL	TIME	ELASPED TIME		SURFACE PRESSURE		BHP @ (-9408)	
			HRS.	MIN.	TBG	CSG	13531'	13384'PSIG
1982								
11/10	Shut in. Run Static Gradient w/Tandem Bombs & hung Bombs @ 13531'	11:00 AM	0	00	4160	PKR	5809	5816
	Started 1st Rate Flowing	2:00 PM	3	00	-	MCF/D	5809	5816
	Finished 1st Rate & Started 2nd Rate	3:00	1	00	4023	228.58	5697	5703
	Finished 2nd Rate & Started 3rd Rate	4:00	1	00	3895	491.01	5500	5506
	Finished 3rd Rate & Started 4th Rate	5:00	1	00	3680	737.79	5264	5270
	Finished 4th Rate & Pulled Bombs	6:00	1	00	3450	749.76	5018	5024

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JARREL SERVICES, INC.

POST OFFICE BOX 1654

PHONES 505 393-5396 — 393-8274

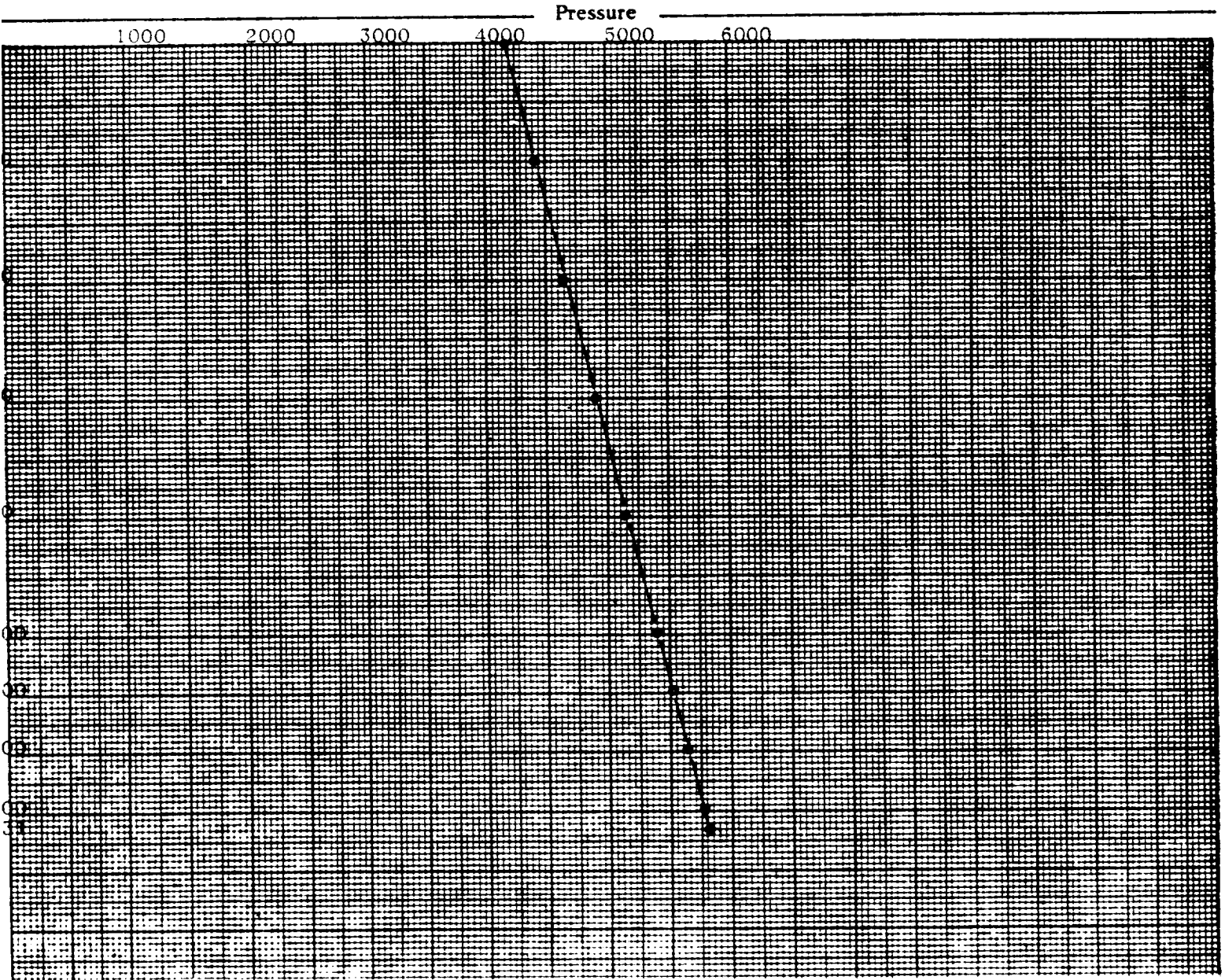
HOBBS, NEW MEXICO 88240

BOTTOM HOLE PRESSURE RECORD

OPERATOR Harvey E. Yates Company
 FIELD Austin
 FORMATION Mississippian
 LEASE Richardson Unit WELL #1
 COUNTY Lea STATE New Mexico
 DATE 11/10 82 TIME 11:00 AM
 STATUS Shut in
 Test Depth 13331'
 Time S. I. 4 Months Last test date -
 Sub Pres. 4160 DWT BHP last test -
 Gas. Pres. PKR BHP change -
 Elev. 3976'GL Fluid top None
 Datum (-9408)** Water top None
 Temp. @ - Run by JSI #24
 Cal. No. A16786Y Chart No. 1

Depth	Pressure	Gradient
0	4160	-
2000	4403	.122
4000	4649	.123
6000	4895	.123
8000	5143	.124
10000	5391	.124
11000	5516	.125
12000	5641	.125
13000	5767	.126
13331	5809	.127
13384 (-9408)	5816 * **	(.127)

* EXTRAPOLATED PRESSURE
 ** MIDPOINT OF CASING PERFORMANCES



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