WESTERN

Home Office: Wichita, Kansas 67201

P.O. Box 1599 (316) 262-5861

Company Big "J" Production Company, Inc. & Quadel Energy Lease & Well No. #2 Debusk

Elevation 2012 Derrick Floor Formation Lansing-Kansas City Effective Pay - Ft. Ticket No. 7293

Date 10-15-80 Sec. 24 Twp. 24S Range 15W County Stafford State Kansas

Test Approved by J. Jesperson Western Representative Gene Eberhart

Formation Test No. 1 Interval Tested from 3960 ft. to 4045 ft. Total Depth 4045 ft.

Packer Depth 3955 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 3960 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3970 ft. Recorder Number 1558 Cap. 4200

Bottom Recorder Depth (Outside) 3973 ft. Recorder Number 10265 Cap. 4675

Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Merckle Rig #1 Drill Collar Length - I. D. - in.

Mud Type Drispac Viscosity 43 Weight Pipe Length 483 I. D. 2.7 in.

Weight 9.4 Water Loss 12.8 cc. Drill Pipe Length 3455 I. D. 3.8 in.

Chlorides 20,000 P.P.M. Test Tool Length 22 ft. Tool Size 5½ OD in.

Jars: Make - Serial Number - Anchor Length 85 ft. Size 5½ OD in.

Did Well Flow? - Reversed Out - Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4½ XH in.

Blow: Very weak during initial flow period. A few bubbles, died in 8 minutes of final flow period.

Recovered 30 ft. of drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 3:31 ~~A.M.~~ P.M. Time Started Off Bottom 5:50 ~~A.M.~~ P.M. Maximum Temperature 117

Initial Hydrostatic Pressure ..... (A) 1941 P.S.I.

Initial Flow Period ..... Minutes 15 (B) 91 P.S.I. to (C) 70 P.S.I.

Initial Closed In Period ..... Minutes 48 (D) 101 P.S.I.

Final Flow Period ..... Minutes 30 (E) 82 P.S.I. to (F) 69 P.S.I.

Final Closed In Period ..... Minutes 45 (G) 91 P.S.I.

Final Hydrostatic Pressure ..... (H) 1888 P.S.I.

WTC-

WESTERN TESTING CO., INC.

Pressure Data

Date 10-15-80 Test Ticket No. 7293

Recorder No. 1558 Capacity 4200 Location 3970 Ft.

Clock No. - Elevation 2012 Derrick Floor Well Temperature 117 °F

Point		Pressure	
A	Initial Hydrostatic Mud	1941	P.S.I.
B	First Initial Flow Pressure	91	P.S.I.
C	First Final Flow Pressure	70	P.S.I.
D	Initial Closed-in Pressure	101	P.S.I.
E	Second Initial Flow Pressure	82	P.S.I.
F	Second Final Flow Pressure	69	P.S.I.
G	Final Closed-in Pressure	91	P.S.I.
H	Final Hydrostatic Mud	1888	P.S.I.

	Time Given	Time Computed
Open Tool	3:31P M	
First Flow Pressure	15 Mins.	15 Mins.
Initial Closed-in Pressure	45 Mins.	48 Mins.
Second Flow Pressure	30 Mins.	30 Mins.
Final Closed-in Pressure	45 Mins.	45 Mins.

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 3 Inc. of 5 mins. and a final inc. of 0 Min.

Point Mins.	Press.
P 1 0	91
P 2 5	82
P 3 10	74
P 4 15	70
P 5	
P 6	
P 7	
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 16 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	70
3	70
6	70
9	70
12	72
15	74
18	77
21	80
24	82
27	84
30	86
33	90
36	93
39	95
42	97
45	99
48	101

Second Flow Pressure
Breakdown: 6 Inc. of 5 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	82
5	72
10	70
15	69
20	69
25	69
30	69

Final Shut-In
Breakdown: 15 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	69
3	70
6	72
9	74
12	75
15	76
18	78
21	80
24	82
27	83
30	84
33	86
36	88
39	89
42	90
45	91

Lot #7293

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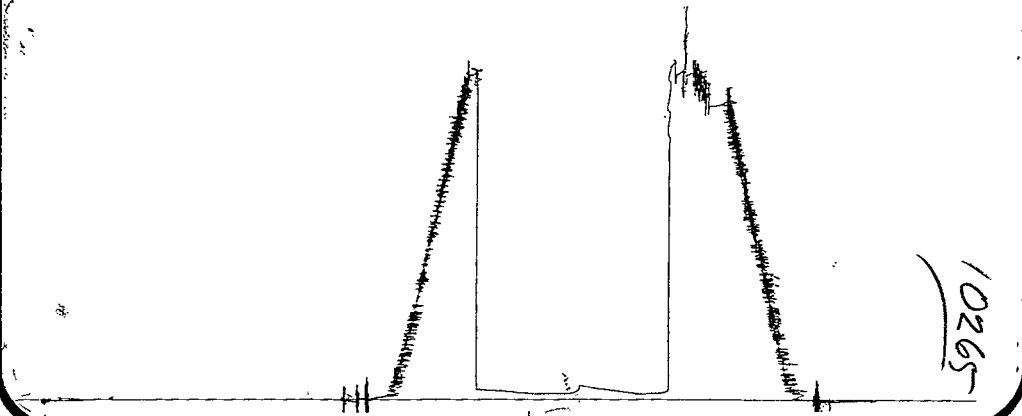
STP

JKT #7293



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Home Office: Wichita, Kansas 67201
P.O. Box 1599 (316) 262-5861

Company Big "J" Production Co., Inc. & Quadel Energy Lease & Well No. #2 Debusk

Elevation 2012 Derrick Floor Formation N-A Effective Pay - Ft. Ticket No. 7294

Date 10-16-80 Sec. 24 Twp. 24S Range 15W County Stafford State Kansas

Test Approved by _____ Western Representative Gene Eberhart

Formation Test No. 2 Interval Tested from 4071 ft. to 4120 ft. Total Depth 4120 ft.

Packer Depth 4066 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 4071 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4081 ft. Recorder Number 1558 Cap. 4200

Bottom Recorder Depth (Outside) 4084 ft. Recorder Number 10265 Cap. 4675

Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Merkle Drilling Rig #1 Drill Collar Length - I. D. - in.

Mud Type Drispac Viscosity 43 Weight Pipe Length 483 I. D. 2.7 in.

Weight 9.4 Water Loss 12.8 cc. Drill Pipe Length 3566 I. D. 3.8 in.

Chlorides 20,000 P.P.M. Test Tool Length 22 ft. Tool Size 5½ OD in.

Jars: Make - Serial Number - Anchor Length 49 ft. Size 5½ OD in.

Did Well Flow? - Reversed Out - Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4½ XH in.

Blow: Very weak blow during initial flow period. No blow during final flow period.

Recovered 30 ft. of mud

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Remarks: Slid tool 3 feet to bottom.

Time Set Packer(s) 8:21 A.M. ~~P.M.~~ Time Started Off Bottom 10:40 A.M. ~~P.M.~~ Maximum Temperature 118

Initial Hydrostatic Pressure			(A) 1985	P.S.I.		
Initial Flow Period	Minutes 15	(B) 53	P.S.I. to	(C) 40	P.S.I.	
Initial Closed In Period	Minutes 45	(D) 54	P.S.I.			
Final Flow Period	Minutes 30	(E) 46	P.S.I. to	(F) 37	P.S.I.	
Final Closed In Period	Minutes 45	(G) 42	P.S.I.			
Final Hydrostatic Pressure			(H) 1970	P.S.I.		

WTC-

WESTERN TESTING CO., INC.

Pressure Data

Date 10-16-80 Test Ticket No. 7294

Recorder No. 1558 Capacity 4200 Location 4081 Ft.

Clock No. - Elevation 2012 Derrick Floor Well Temperature 118 °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	1985 P.S.I.	Open Tool	8:21A M	
B	First Initial Flow Pressure	53 P.S.I.	First Flow Pressure	15 Mins.	15 Mins.
C	First Final Flow Pressure	40 P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D	Initial Closed-in Pressure	54 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E	Second Initial Flow Pressure	46 P.S.I.	Final Closed-in Pressure	45 Mins.	45 Mins.
F	Second Final Flow Pressure	37 P.S.I.			
G	Final Closed-in Pressure	42 P.S.I.			
H	Final Hydrostatic Mud	1970 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 3 Inc.		Breakdown: 15 Inc.		Breakdown: 6 Inc.		Breakdown: 15 Inc.	
of 5 mins. and a		of 3 mins. and a		of 5 mins. and a		of 3 mins. and a	
final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	53	0	40	0	46	0	37
P 2 5	48	3	38	5	40	3	37
P 3 10	44	6	38	10	37	6	38
P 4 15	40	9	38	15	37	9	38
P 5		12	38	20	37	12	39
P 6		15	38	25	37	15	40
P 7		18	40	30	37	18	40
P 8		21	42			21	40
P 9		24	42			24	40
P10		27	44			27	40
P11		30	46			30	40
P12		33	48			33	40
P13		36	50			36	40
P14		39	52			39	41
P15		42	53			42	41
P16		45	54			45	42
P17							
P18							
P19							
P20							

1558

JKt#2294

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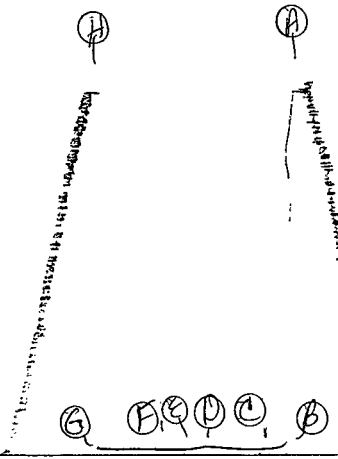

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JKt # 7294

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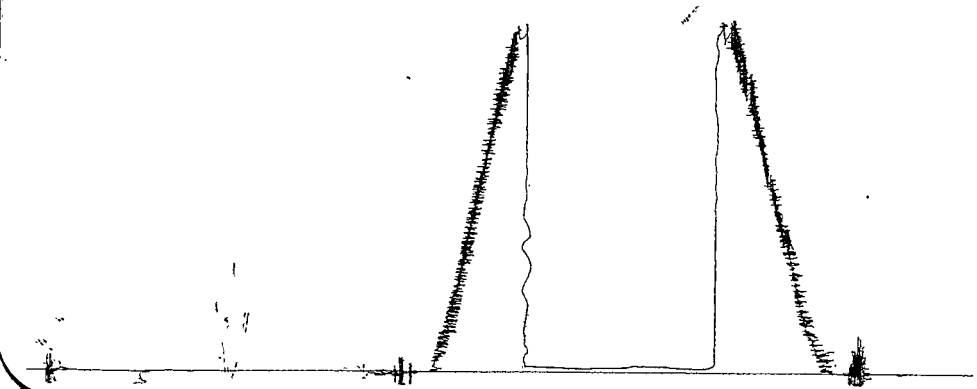


ARROW TESTING COMPANY

P. O. BOX 1051 GREAT BEND, KANSAS 67530

DRILL-STEM TEST DATA

Well Name	Debusk	Test No.	3
Well Number	2	Zone Tested	Viola
Company	Big J Prod Co., Inc.	Date	10-17-80
Comp. Rep.	J. Jesperson	Tester	Don Fabricius
Contractor	Merckle	Ticket No.	1661
Location	24-24-15	Elevation	2012 DF

Recorder No.	3088	Recorder No.	4377
Clock Range	12	Clock Range	12
Depth	4182	Depth	4186
Initial Hydro Mud Press.	2064	Initial Hydro Mud Press.	2098
Initial Shut-in Press.	1118	Initial Shut-in Press.	1117
Initial Flow Press.	113-113	Initial Flow Press.	162-157
Final Flow Press.	181-318	Final Flow Press.	209-313
Final Shut-in Press.	995	Final Shut-in Press.	993
Final Hydro Mud Press.	2064	Final Hydro Mud Press.	2098
Temperature		Tool Open Before I. S. I.	15 Mins.
Mud Weight	9.6	Initial Shut-in	45 Mins.
Viscosity	57	Flow Period	60 Mins.
Fluid Loss	10.4	Final Shut-in	45 Mins.
Interval Tested	4165-90	Surface Choke Size	1¼"
Top Packer Depth	4160	Bottom Choke Size	3/4"
Bottom Packer Depth	4165	Main Hole Size	7 7/8
Total Depth	4190	Rubber Size	6 3/4
Drill Pipe Size	4½XH		
Wt.	16.60		
Drill Collar I. D.		Ft. Run	

Recovery—Total Feet

Recovered 65 Feet Of heavily oil and gas cut mud

Recovered 440 Feet Of muddy gassy oil

Recovered 180 Feet Of water

Recovered Feet Of

Remarks

Strong blow gas to surface in 2 minutes on final flow

Gauge - 17,200 in 10 minutes

8,870 in 20 too small to measure in 30 minutes

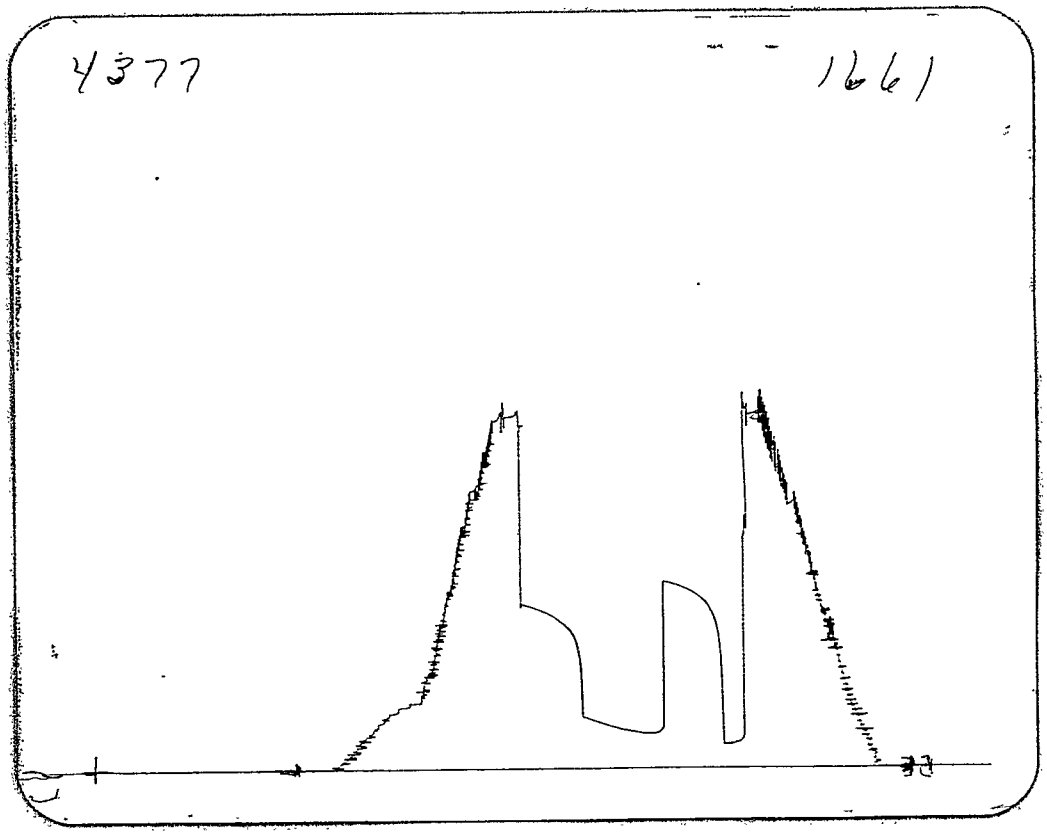
THIS ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED. CONDITIONS: It is expressly understood and agreed that the above described work shall be done under the exclusive control, direction and supervision of the owner or contractor. As a part of the consideration for this agreement, it is expressly understood and agreed that Arrow Testing Company shall not be responsible for damages or losses of any kind whatsoever occasioned by or incident to the use of the above described Tools, whether run or operated by customer, or by anyone employed directly or indirectly by Arrow Testing Company, nor whether resulting from the acts or omissions of Arrow Testing Company, or any of its agents, servants or employees in any way connected with or related to the use of such Tools.

It is expressly understood and agreed that Arrow Testing Company, shall not be bound by any agreement, not herein contained, and no agent or representative connected with or employed by Arrow Testing Company has authority to alter or extend the terms of this agreement. I have read and understand the terms of this agreement and represent that I am authorized to sign the same as agent of customer.

By

4377

1661



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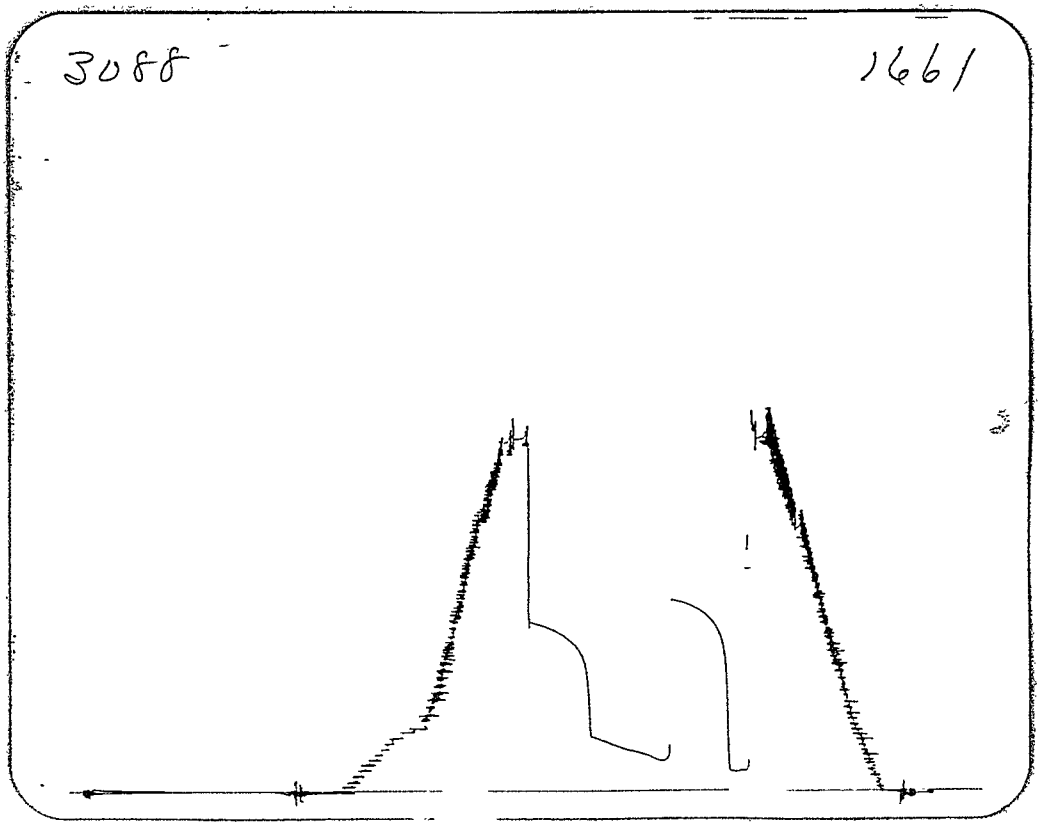

ARROW TESTING COMPANY

P. O. BOX 1051 GREAT BEND, KANSAS 67530

DRILL-STEM TEST DATA

Well Name	Debusk	Test No.	4
Well Number	2	Zone Tested	Viola
Company	Big J Prod., Inc.	Date	10-17-80
Comp. Rep.	J. Jesperson	Tester	Don Fabricius
Contractor	Merckle Drlg.	Ticket No.	1662
Location	24-24-15	Elevation	2012DF

Recorder No.	3088	Recorder No.	4377
Clock Range	12	Clock Range	12
Depth	4232	Depth	4236
Initial Hydro Mud Press.	2098	Initial Hydro Mud Press.	2142
Initial Shut-in Press.	329	Initial Shut-in Press.	337
Initial Flow Press.	22-22	Initial Flow Press.	58-58
Final Flow Press.	34-22	Final Flow Press.	58-58
Final Shut-in Press.	193	Final Shut-in Press.	186
Final Hydro Mud Press.	2098	Final Hydro Mud Press.	2142
Temperature		Tool Open Before I. S. I.	15 Mins.
Mud Weight	9.5	Viscosity	43
Initial Shut-in	45 Mins.		
Fluid Loss	12.4	Flow Period	15 Mins.
Interval Tested	4215-40	Final Shut-in	45 Mins.
Top Packer Depth	4210	Surface Choke Size	1¼"
Bottom Packer Depth	4215	Bottom Choke Size	3/4"
Total Depth	4240	Main Hole Size	7 7/8
Drill Pipe Size	4½XH	Wt.	16.60
Rubber Size	6 3/4		
Drill Collar I. D.		Ft. Run	

Recovery—Total Feet 10

Recovered 10 Feet Of Mud

Recovered _____ Feet Of _____

Recovered _____ Feet Of _____

Recovered _____ Feet Of _____

Remarks

Very weak blow dead in 8 minutes

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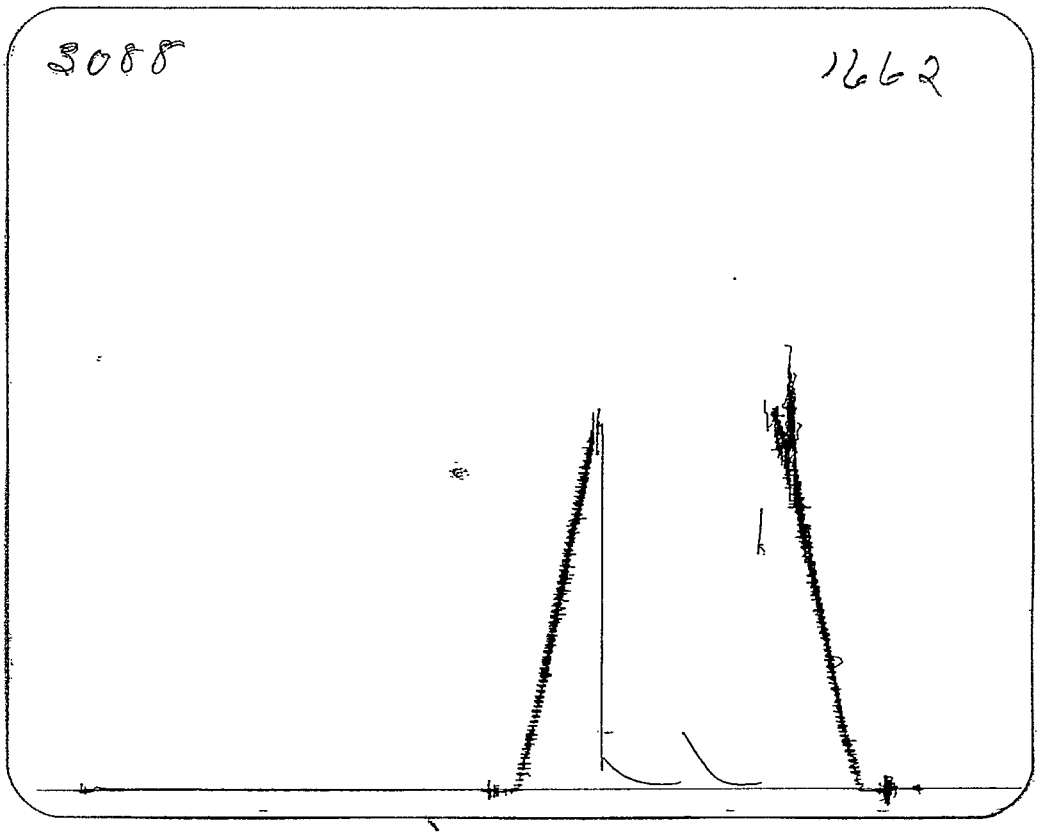
It is expressly understood and agreed that Arrow Testing Company, shall not be bound by any agreement, not herein contained, and no agent or representative connected with or employed by Arrow Testing Company has authority to alter or extend the terms of this agreement. I have read and understand the terms of this agreement and represent that I am authorized to sign the same as agent of customer.

By _____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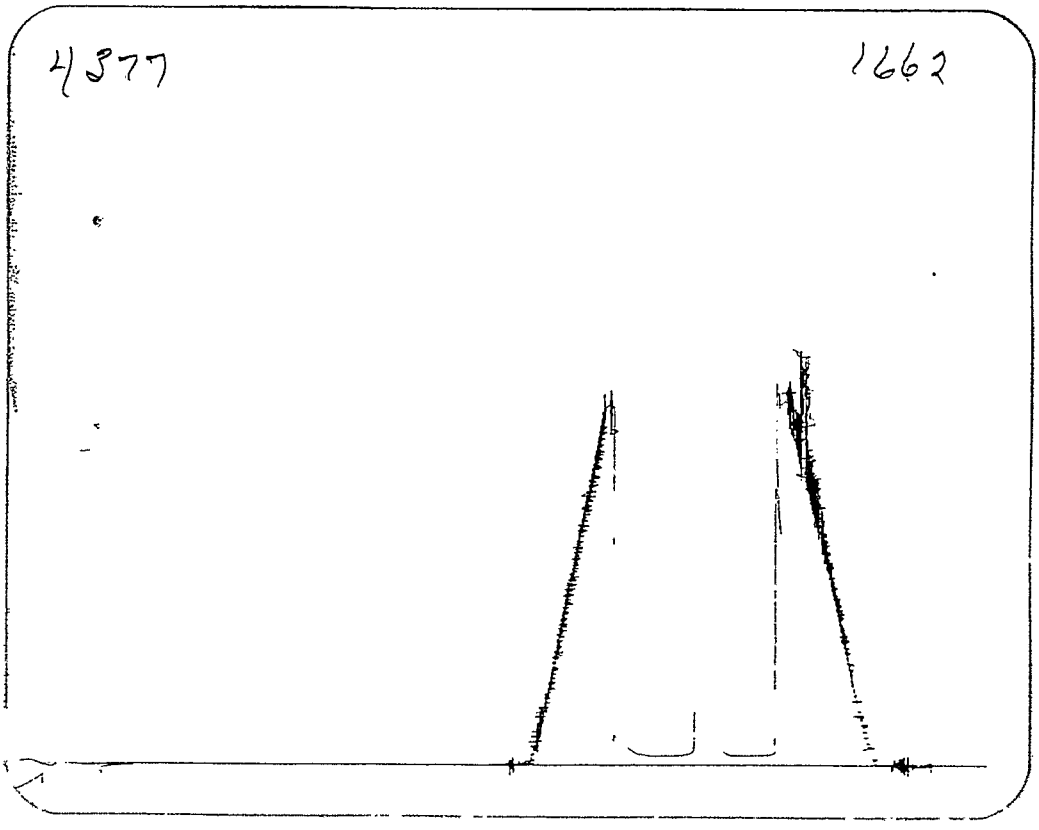
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