WESTERN TESTERS

P. O. BOX 793 PHONE 793-7903
GREAT BEND, KANSAS

WESTERN TESTING CO., INC.
FORMATION TESTING
TICKET 22075

Formation Miss Elevation ✓ Eff. Pay ✓ Ft.

District Date 8-7-76 Customer Order No. ✓

COMPANY NAME Gear Petroleum Company
ADDRESS 1325 Union KSB&T Bldg. Wichita, Kansas 67202
LEASE AND WELL NO. Lattimore #1 COUNTY Kingman STATE Kansas Sec. 10 Twp. 30 S Rge. 9 W

Mail Inv. To Co. Name Address No. Copies Requested

Mail Charts To Address No. Copies Requested

Formation Test No. 1 O.K. X Misrun ✓ Interval Tested From 4282' to 4288' Total Depth 4288'
Size Main Hole 7 7/8 Rat Hole ✓ Conv. X B.T. ✓ Damaged ✓ Yes X No Conv. X B.T. ✓ Damaged ✓ Yes X No
Top Packer Depth 4277 Ft. Size 6 3/4 Bottom Packer Depth 4282 Ft. Size 6 3/4
Straddle ✓ Conv. B.T. Damaged Yes No Packer Depth Ft. Size ✓
Tool Size 5 1/2 Tool Joint Size 4 1/2 F.H. Anchor Length 6 Ft. Size 5 1/2 Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4269 Ft. Clock No. 6774 Depth 4285 Ft. Clock No. 6806
Top Make Kuster Cap. 4300 No. 1566 Inside ~~Outside~~ Bottom Make Kuster Cap. 4150 No. 2607 ~~Inside~~ Outside
Below Straddle: Depth ✓ Rec. No. ✓ Clock No. ✓ Inside Outside Depth ✓ Ft. Rec. No. ✓ Clock No. ✓ Inside Outside

Time Set Packer 7:58 A.M
Tool Open I.F.P. From 8:00 A.M. to 8:45 A.M. ✓ Hr. 45 Min. From (B) plugging action P.S.I. To (C) plugging A 1438 P.S.I.
Tool Closed I.C.I.P. From 8:45 A.M. to 9:30 A.M. ✓ Hr. 45 Min. (D) 1506 1511 P.S.I.
Tool Open F.F.P. From 9:30 A.M. to 10:30 A.M. 1 Hr. ✓ Min. From (E) 43 P.S.I. To (F) 54 49 P.S.I.
Tool Closed F.C.I.P. From 10:30 A.M. to 11:30 A.M. 1 Hr. ✓ Min. (G) 1474 1481 P.S.I.
Initial Hydrostatic Pressure (A) 2221 2194 P.S.I. Final Hydrostatic Pressure (H) 2200 2082 P.S.I. Maximum Temp. ✓

INFORMATION

BLOW First opening - weak Blow that died 4 min, Flushed Tool - Blew off Bottom of Bucket 23 min after First opening. Second opening Dng Blow, Flushed Tool - off Bottom of Bucket 1 mn. Gas to surface 20 mi
Did Well Flow ✓ Yes X No Recovery Total Ft. 100 Gassy, slightly oil specked mud

Reversed Out ✓ Yes X No Mud Type Starch Viscosity 37 Weight 9.6 Water Loss 12.6 cc. Chlorides 64,000 P.P.M
EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint ✓ Jars: Size ✓ In. Make ✓ Ser. No. ✓
Dual Packers Yes Did Packers Hold? Yes Did Tool Plug? No Where? ✓
DRILLING CONTRACTOR Red Tiger Length Drill Pipe 3817 ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 F.H. In.
Length Weight Pipe 1002 ft. I.D. Weight Pipe 2.56 In. Tool Joint Size 4 1/2 F.H. In. Length Drill Collars ✓ ft. I.D. Drill Collars ✓ In.
Tool Joint Size ✓ In. Length D.S.T. Tool 32 ft.

Remarks Flushed Tool 6 min first opening
Flushed Tool 3 min on Second opening

RECEIVED
SEP 8 1976

INVOICE SECTION

Open Hole Test	$ 390.00
Straddle Test	$
Jars	$
Selective Zone	$
Safety Joint	$
Misrun	$
Evaluation	$
Packer	$
Circ. Sub.	$
	$
Total	$ 390.00

COMPANY TERMS

Western Testing Co., Inc., shall not be liable for damage of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 10% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

1.80

Test Approved By Gerald W. Pike
Signature of Customer or his Authorized Representative Gerald W. Pike

Western Representative Kevin Strut

Operator's Time Hrs.

WESTERN TESTING CO., INC.
Pressure Data

Date 9-7 Test Ticket No. 22075

Recorder No. 1566 Capacity 4300 Location 4269 Ft.

Clock No. 6774 Elevation Well Temperature °F

Point		Pressure	
A	Initial Hydrostatic Mud	2104	P.S.I.
B	First Initial Flow Pressure	plugging action	P.S.I.
C	First Final Flow Pressure	plugging action 1438	P.S.I.
D	Initial Closed-in Pressure	1511	P.S.I.
E	Second Initial Flow Pressure	plugging action	P.S.I.
F	Second Final Flow Pressure	49	P.S.I.
G	Final Closed-in Pressure	1481	P.S.I.
H	Final Hydrostatic Mud	2082	P.S.I.

	Time Given	Time Computed
Open Tool	7:58 A M	
First Flow Pressure	45 Mins.	45 Mins.
Initial Closed-in Pressure	45 Mins.	45 Mins.
Second Flow Pressure	60 Mins.	55 Mins.
Final Closed-in Pressure	60 Mins.	60 Mins.

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 9 Inc. of 5 mins. and a final inc. of 0 Min.

Point	Mins.	Press.
P 1	0	Plugging
P 2	5	"
P 3	10	Plugging 186
P 4	15	Plugging 590
P 5	20	Plugging 854
P 6	25	Plugging 1049
P 7	30	Plugging 1109
P 8	35	Plugging 1324
P 9	40	Plugging
P10	45	Plugging (1438)
P11	50	
P12	55	
P13	60	
P14		
P15		
P16		
P17		
P18		
P19		
P20		

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

Point Minutes	Press.
0	Plugging 1438
3	~~1438~~ 1483
6	1494
9	1496
12	1498
15	1499
18	1500
21	1485
24	1489
27	1496
30	1500
33	1502
36	1504
39	1504
42	1501
45	1511
48	
51	
54	
57	
60	

Second Flow Pressure
Breakdown: 11 Inc. of 5 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	Plugging
5	Flushed tool
10	58
15	45
20	43
25	43
30	45
35	45
40	46
45	48
50	48
55	49
60	
65	
70	
75	
80	
85	
90	

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

Point Minutes	Press.
0	49
3	996
6	1324
9	1416
12	1444
15	1457
18	1463
21	1466
24	1470
27	1471
30	1472
33	1474
36	1475
39	1476
42	1477
45	1477
48	1478
51	1479
54	1480
57	1480
60	1481

WTC - 4

Phone 316 262-5861
316 838-0601

WESTERN TESTERS

P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

No. 533

Date Sept 7, 1976 Ticket 22075 Company Gear Petroleum Company

Well Name and No. Lattimore #1 Dst No. 1 Interval Tested 4282 - 4288

County Kingman State Kans Sec. 10 Twp. 30 Rg. 9W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
PRE FLOW						
	20	2.0				
SECOND FLOW						
~~09:55~~	25 min	2.0 psig	1/4" orifice			12,700 C.F.P.D
10:00	5 min	4.5 psig	"			19,500 C.F.P.D
10:05	5 min	5.5 psig	"			21,800 C.F.P.D.
10:10	5 min	6.5 psig	"			23,900 C.F.P.D.
10:15	5 min	7.5 psig	"			26,100 C.F.P.D
10:20	5 min	2.5 psig	1/2" orifice			53,400 C.F.P.D
10:25	5 min	2.0 psig	"			47,700 C.F.P.D.
10:30	5 min	2.0 psig	"			47,700 C.F.P.D

GAS BOTTLE

Serial No. _____ Date Bottle Filled _____ Date to be Invoiced _____

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of $75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1% per month, equal to 12% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME Gear Petroleum Company

Authorized by _____

FORM WTC 9

INC.
P. O. Box 1599
Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Gear Petroleum Co. Lease & Well No. Lattimore #1

Elevation - Formation Mississippi Effective Pay - Ft. Ticket No. 22075

Date 9-7-76 Sec. 10 Twp. 30S Range 9W County Kingman State Kansas

Test Approved by Gerald W. Pike Western Representative Keven Strutt

Formation Test No. 1 O.K. X Misrun - Interval Tested From 4282' to 4288' Total Depth 4288'

Size Main Hole 7 7/8 Rat Hole - Conv. X B.T. - Damaged - Yes X No Conv. X B.T. - Damaged - Yes X No

Top Packer Depth 4277 Ft. Size 6 3/4 Bottom Packer Depth 4282 Ft. Size 6 3/4

Straddle - Conv. - B.T. - Damaged - Yes - No Packer Depth - Ft. Size -

Tool Size 5½ OD Tool Joint Size 4½FH Anchor Length 6 Ft. Size 5½OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4269 Ft. Clock No. 6774 Depth 4285 Ft. Clock No. 6806

Top Make Kuster Cap. 4300 No. 1566 Inside ~~Outside~~ Bottom Make Kuster Cap. 4150 No. 2607 Inside Outside

Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside

Time Set Packer 7:58 A M

Tool Open I.F.P. From 8:00 A.M. to 8:45 A.M. - Hr. 45 Min. From (B) plugging act. P.S.I. To (C) 1438 plugging actic P.S.I.

Tool Closed I.C.I.P. From 8:45 A.M. to 9:30 A.M. - Hr. 45 Min (D) 1511 P.S.I.

Tool Open F.F.P. From 9:30 A.M. to 10:30 A.M. 1 Hr. - Min. From (E) Plg. act. P.S.I. To (F) 49 P.S.I.

Tool Closed F.C.I.P. From 10:30 A.M. to 11:30 A.M. 1 Hr. - Min. (G) 1481 P.S.I.

Initial Hydrostatic Pressure (A) 2104 P.S.I. Final Hydrostatic Pressure (H) 2082 P.S.I. Maximum Temp. -

INFORMATION

BLOW First opening - weak blow, died in 4 minutes. Flushed tool, blew off bottom on bucket 23 minutes after 1st opening. Second opening - no blow, flushed tool. Gas to surface in 20 min.

Did Well Flow - Yes X No Recovery Total Ft. 100' gassy, slightly oil specked mud.

Reversed Out - Yes X No Mud Type starch Viscosity 37 Weight 9.6 Water Loss 12.6 cc. Chlorides 64,000 P.P.M.

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint - Jars: Size - In. Make - Ser. No. -

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -

DRILLING CONTRACTOR Red Tiger Length Drill Pipe? 3017 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4½FH In.

Length Weight Pipe 1002 Ft. I.D. Weight Pipe 2.56 In. Tool Joint Size 4½FH In. Length Drill Collars - Ft. I.D. Drill Collars - In.

Tool Joint Size - In. Length D.S.T. Tool 32 Ft.

Remarks: Flushed tool 6 minutes 1st opening. Flushed tool 3 minutes on 2nd opening.

WESTERN TESTERS INC.
P. O. Box 1599
Wichita, Kansas 67201

GAS FLOW REPORT

Date 9-7-76 Ticket 22075 Company Gear Petroleum Company

Well Name and No. Lattimore #1 Dst No. 1 Interval Tested 4282' - 4288'

County Kingman State Kansas Sec. 10 Twp. 30S Rg. 9W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
PRE FLOW						
SECOND FLOW						
9:55AM	25 min.	2.0 P.S.I.G.		¼" orifice		12,700 C.F.P.D.
10:00 AM	5 min.	4.5 P.S.I.G.		¼" orifice		19,500 C.F.P.D.
10:05 AM	5 min.	5.5 P.S.I.G.		¼" orifice		21,800 C.F.P.D.
10:10 AM	5 min.	6.5 P.S.I.G.		¼" orifice		23,900 C.F.P.D.
10:15 AM	5 min.	7.5 P.S.I.G.		¼" orifice		26,100 C.F.P.D.
10:20 AM	5 min.	2.5 P.S.I.G.		½" orifice		53,400 C.F.P.D.
10:25 AM	5 min.	2.0 P.S.I.G.		½" orifice		47,700 C.F.P.D.
10:30 AM	5 min.	2.0 P.S.I.G.		½" orifice		47,700 C.F.P.D.

GAS BOTTLE

Serial No. _____ Date Bottle Filled 9-7-76 Date to be Invoiced 9-7-76

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of $75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1% per month, equal to 12% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME Gear Petroleum Company

Authorized by Gerald W. Pike

WESTERN TESTING CO., INC.

Pressure Data

Date 9-7-76 Test Ticket No. 22075

Recorder No. 1566 Capacity 4300 Location 4269 Ft.

Clock No. 6774 Elevation P. O. Box 1599 Well Temperature - °F

Wichita, Kansas 67201

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	2104 P.S.I.	Open Tool	7:58 AM	
B	First Initial Flow Pressure	plugging action P.S.I.	First Flow Pressure	45 Mins.	45 Mins.
C	First Final Flow Pressure	plugging action 1438 P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D	Initial Closed-in Pressure	1511 P.S.I.	Second Flow Pressure	60 Mins.	55 Mins.
E	Second Initial Flow Pressure	plugging action P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F	Second Final Flow Pressure	49 P.S.I.			
G	Final Closed-in Pressure	1481 P.S.I.			
H	Final Hydrostatic Mud	2082 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 9 Inc.
of 5 mins. and a
final inc. of 0 Min.

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

Second Flow Pressure
Breakdown: 11 Inc.
of 5 mins. and a
final inc. of 0 Min.

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

Point	Mins.	Press.	Point	Minutes	Press.	Point	Minutes	Press.	Point	Minutes	Press.
P 1	0	plugging		0	plugging 1438		0	plugging		0	49
P 2	5	plugging		3	1483		5	flushed tool		3	996
P 3	10	plugging 186		6	1494		10	58		6	1324
P 4	15	plugging 590		9	1496		15	45		9	1416
P 5	20	plugging 854		12	1498		20	43		12	1444
P 6	25	plugging 1049		15	1499		25	43		15	1457
P 7	30	plugging 1109		18	1500		30	45		18	1463
P 8	35	plugging 1324		21	1485		35	45		21	1466
P 9	40	plugging		24	1489		40	46		24	1470
P10	45	plugging 1438		27	1496		45	48		27	1471
P11				30	1500		50	48		30	1472
P12				33	1502		55	49		33	1474
P13				36	1504					36	1475
P14				39	1504					39	1476
P15				42	1511					42	1477
P16				45	1511					45	1477
P17										48	1478
P18										51	1479
P19										54	1480
P20										57	1480
										60	1481


22075

WESTERN TESTERS

P. O. BOX 793 PHONE 793-7903

GREAT BEND, KANSAS

WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET 24427

Formation Miss dolomite Elevation ✓ Eff. Pay ✓ Ft.

District Pratt Date 9-7-76 Customer Order No. ✓

COMPANY NAME Gear Petroleum Company

ADDRESS 1325 KSB & T Wichita, Kansas

LEASE AND WELL NO. Lattimore #1 COUNTY Kingman STATE Kans Sec. 10 Twp. 30 S Rge. 7 W

Mail Inv. To Co. Name Same Address No. Copies Requested 5

Mail Charts To Same Address No. Copies Requested 5

Formation Test No. 2 O.K. X Misrun ✓ Interval Tested From 4282' to 4295' Total Depth 4295'

Size Main Hole 7 7/8 Rat Hole ✓ Conv. X B.T. ✓ Damaged ✓ Yes X No Conv. X B.T. ✓ Damaged ✓ Yes X No

Top Packer Depth 4277 ✓ Ft. Size 6 3/4 Bottom Packer Depth 4282 Ft. Size 6 3/4

Straddle ✓ Conv. ✓ B.T. ✓ Damaged ✓ Yes ✓ No Packer Depth ✓ Ft. Size ✓

Tool Size 5 1/2 Tool Joint Size 4 1/2 F.H. Anchor Length 13 Ft. Size 5 1/2 Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4287 Ft. Clock No. 6774 Depth 4290 Ft. Clock No. 6806

Top Make Kuster Cap. 4300 No. 1566 Inside ~~Outside~~ Bottom Make Kuster Cap. 4150 No. 2607 ~~Inside~~ Outside

Below Straddle: Depth ✓ Rec. No. ✓ Clock No. ✓ Inside Outside Depth ✓ Ft. Rec. No. ✓ Clock No. ✓ Inside Outside

Time Set Packer 8:58 P.M

Tool Open I.F.P. From 9:00 M. to 9:30 M. ✓ Hr. 30 Min. From (B) 54 P.S.I. To (C) ✓ 110 P.S.I.

Tool Closed I.C.I.P. From 9:30 M. to 10:00 M. ✓ Hr. 30 Min. (D) 1431 1438 P.S.I.

Tool Open F.F.P. From 10:00 M. to 11:00 M. 1 Hr. ✓ Min. From (E) 97 97 P.S.I. To (F) 130 132 P.S.I.

Tool Closed F.C.I.P. From 11:00 M. to 12:00 M. 1 Hr. ✓ Min. (G) 1420 1427 P.S.I.

Initial Hydrostatic Pressure (A) 2232 3267 P.S.I. Final Hydrostatic Pressure (H) 2210 2243 P.S.I. Maximum Temp. 124

INFORMATION

BLOW Gas To Surface 20 min. See attached sheet for gas measurements.

Did Well Flow ✓ Yes X No Recovery Total Ft. 40' Grassy oil specked mud, 180' Grassy oil cut mud 30' ~~Grassy~~ Heavy oil & gas cut mud, 30' muddy water

Reversed Out Yes No Mud Type Starch Viscosity 42 Weight 9.5 Water Loss 10.6 cc. Chlorides 58,000 P.P.M

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint ✓ Jars: Size ✓ In. Make ✓ Ser. No. ✓

Dual Packers Yes Did Packers Hold? Yes Did Tool Plug? no Where? ✓

DRILLING CONTRACTOR Red Tiger Length Drill Pipe 3048 ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 F.H. In.

Length Weight Pipe 1002 ft. I.D. Weight Pipe 2.56 In. Tool Joint Size 4 1/2 F.H. In. Length Drill Collars ✓ ft. I.D. Drill Collars ✓ In.

Tool Joint Size ✓ In. Length D.S.T. Tool 33 ft.

Remarks Slid 4' To Bottom

RECEIVED
SEP 13 1976

INVOICE SECTION

Open Hole Test	$ 390.00
Straddle Test	$
Jars	$
Selective Zone	$
Safety Joint	$
Misrun	$
Evaluation	$
Packer	$
Circ. Sub.	$
	$
Total	$ 390.00

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7.80

Test Approved By Signature of Customer or his Authorized Representative Gerald O. Pike Western Representative Kevin Stutt

Operator's Time Hrs

Phone 316 262-5861
316 838-0601

WESTERN TESTERS

P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

No. 534

Date Sept. 12, 1976 Ticket 24427 Company Gear Petroleum Company

Well Name and No. Lafitmore #1 Dst No. 2 Interval Tested 4282-4295

County Kingman State Kansas Sec. 18 Twp. 30 Rg. 9W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
PRE FLOW						
9:20	20 min	1 psig.	1/4" orifi			8,950 C.F.P.D.
9:25	5 min	2 P.S.I.G.	"			12,700 "
9:30	5 min	5 P.S.I.G.	"			20,700 "
SECOND FLOW						
10:05	5 min	3 psig.	1/2" orif.			59,200 C.F.P.D.
10:10	"	3 psig.	"			59,200 C.F.P.D.
10:15	"	3 psig.	"			59,200 C.F.P.D.
10:20	"	3 P.S.I.g.	"			59,200 "
10:25	"	3 P.S.I.g.	"			59,200 "
10:30	"	3.5 psig.	"			64,000 "
10:35	"	3.5 psig.	"			64,000 "
10:40	"	3.5 psig	"			64,000 "
10:45	"	3.5 psig	"			64,000 "
10:50	"	3.5 PSIg	"			64,000 "
10:55	"	4.0 PSIG	"			68,800 "
11:00	"	3.5 PSIG	"			64,000 "

GAS BOTTLE

Serial No. _____ Date Bottle Filled _____ Date to be Invoiced _____

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of $75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

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COMPANY'S NAME Gear Petroleum Company

Authorized by Jerred W. Pike

FORM WTC 9

WESTERN TESTING CO., INC.
Pressure Data

Date 9-7-76 Test Ticket No. 24427

Recorder No. 1566 Capacity 4300 Location 4287 Ft.

Clock No. 6779 Elevation — Well Temperature 124 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2267	P.S.I.	Open Tool	8:58 P M	
B	First Initial Flow Pressure	54	P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	110	P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D	Initial Closed-in Pressure	1438	P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	97	P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F	Second Final Flow Pressure	132	P.S.I.			
G	Final Closed-in Pressure	1427	P.S.I.			
H	Final Hydrostatic Mud	2243	P.S.I.			

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1 0	54
P 2 5	60
P 3 10	60
P 4 15	78
P 5 20	76
P 6 25	86
P 7 30	110
P 8 35	
P 9 40	
P10 45	
P11 50	
P12 55	
P13 60	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	110
3	729
6	1122
9	1296
12	1350
15	1373
18	1399
21	1414
24	1427
27	1444
30	1438
33	
36	
39	
42	
45	
48	
51	
54	
57	
60	

Second Flow Pressure
Breakdown: 12 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	97
5	99
10	102
15	104
20	108
25	112
30	114
35	117
40	121
45	123
50	125
55	128
60	132
65	
70	
75	
80	
85	
90	

Final Shut-In
Breakdown: 20 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	132
3	746
6	1041
9	1225
12	1304
15	1341
18	1367
21	1382
24	1390
27	1397
30	1401
33	1408
36	1410
39	1414
42	1416
45	1418
48	1420
51	1423
54	1425
57	1426
60	1427

WESTERN TESTERS INC.

P. O. Box 1599
Wichita, Kansas 67201

Company Gear Petroleum Company Lease & Well No. Lattimore #1

Elevation - Formation Mississippi Effective Pay - Ft. Ticket No. 24427

Date 9-7-76 Sec. 10 Twp. 30S Range 9W County Kingman State Kansas

Test Approved by Gerald W. Pike Western Representative Keven Strutt

Formation Test No. 2 O.K. X Misrun - Interval Tested From 4282' to 4295' Total Depth 4295'

Size Main Hole 7 7/8 Rat Hole - Conv. X B.T. - Damaged - Yes X No Conv. X B.T. - Damaged - Yes X No

Top Packer Depth 4277 Ft. Size 6 3/4 Bottom Packer Depth 4282 Ft. Size 6 3/4

Straddle - Conv. - B.T. - Damaged - Yes - No Packer Depth - Ft. Size -

Tool Size 5½OD Tool Joint Size 4½FH Anchor Length 13 Ft. Size 5½OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4287 Ft. Clock No. 6774 Depth 4290 Ft. Clock No. 6806

Top Make Kuster Cap. 4300 No. 1566 Inside ~~Outside~~ Bottom Make Kuster Cap. 4150 No. 2607 ~~Inside~~ Outside

Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside

Time Set Packer 8:58 PM

Tool Open I.F.P. From 9:00 PM. to 9:30 PM. - Hr. 30 Min. From (B) 54 P.S.I. To (C) 110 P.S.I.

Tool Closed I.C.I.P. From 9:30 M. to 10:00 M. - Hr. 30 Min (D) 1438 P.S.I.

Tool Open F.F.P. From 10:00 PM. to 11:00 M. 1 Hr. - Min. From (E) 97 P.S.I. To (F) 132 P.S.I.

Tool Closed F.C.I.P. From 11:00 M. to 12:00 M. 1 Hr. - Min. (G) 1427 P.S.I.

Initial Hydrostatic Pressure (A) 2267 P.S.I. Final Hydrostatic Pressure (H) 2243 P.S.I. Maximum Temp. 124

INFORMATION

BLOW Gas to surface 20 minutes. See attached sheet for gas measurements.

Did Well Flow - Yes X No Recovery Total Ft. 40' gassy oil specked mud, 180' gassy oil cut mud, 30' heavy oil & gas cut mud, 30' muddy water.

Reversed Out - Yes - No Mud Type starch Viscosity 42 Weight 9.5 Water Loss 10.6 cc. Chlorides 58,000 P.P.M.

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint - Jars: Size - In. Make - Ser. No. -

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -

DRILLING CONTRACTOR Red Tiger Length Drill Pipe? 3048 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4½FH In.

Length Weight Pipe 1002 Ft. I.D. Weight Pipe 2.56 In. Tool Joint Size 4½FH In. Length Drill Collars - Ft. I.D. Drill Collars - In.

Tool Joint Size - In. Length D.S.T. Tool 33 Ft.

Remarks: Slid 4' to bottom.

INC.
P. O. Box 1599
Wichita, Kansas 67201

GAS FLOW REPORT

Date 9-12-76 Ticket 24427 Company Gear Petroleum Co.

Well Name and No. Lattimore #1 Dst No. 2 Interval Tested 4282' - 4295'

County Kingman State Kansas Sec. 10 Twp. 30S Rg. 9W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
PRE FLOW						
9:20 PM	20 min.	1 P.S.I.G.	¼" choke			8,950 C.F.P.D.
9:25 PM	5 min.	2 P.S.I.G.	¼" choke			12,700 C.F.P.D.
9:30 PM	5 min.	5 P.S.I.G.	¼" choke			20,700 C.F.P.D.
SECOND FLOW						
10:05 PM	5 min.	3 PSIG	½" choke			59,200 C.F.P.D.
10:10 PM	5 min.	3 PSIG	½" choke			59,200 C.F.P.D.
10:15 PM	5 min.	3 PSIG	½" choke			59,200 C.F.P.D.
10:20 PM	5 min.	3 PSIG	½" choke			59,200 C.F.P.D.
10:25 PM	5 min.	3 PSIG	½" choke			59,200 C.F.P.D.
10:30 PM	5 min.	3.5PSIG	½" choke			64,000 C.F.P.D.
10:35 PM	5 min.	3.5PSIG	½" choke			64,000 C.F.P.D.
10:40 PM	5 min.	3.5PSIG	½" choke			64,000 C.F.P.D.
10:45 PM	5 min.	3.5PSIG	½" choke			64,000 C.F.P.D.
10:50 PM	5 min.	3.5PSIG	½" choke			64,000 C.F.P.D.
10:55 PM	5 min.	4.0PSIG	½" choke			68,800 C.F.P.D.
11:00 PM	5 min.	3.5PSIG	½" choke			64,000 C.F.P.D.

GAS BOTTLE

Serial No. Date Bottle Filled 9-12-76 Date to be Invoiced 9-12-76

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of $75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1% per month, equal to 12% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME Gear Petroleum Co.

Authorized by Gerald W. Pike

WESTERN TESTING CO., INC.

Pressure Data

Date 9-7-76 Test Ticket No. 24427

Recorder No. 1566 Capacity 4300 Location 4287 Ft.

Clock No. 6779 Elevation - Well Temperature 124 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2267	P.S.I.	Open Tool	8:58 P M	
B	First Initial Flow Pressure	54	P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	110	P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D	Initial Closed-in Pressure	1438	P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	97	P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F	Second Final Flow Pressure	132	P.S.I.			
G	Final Closed-in Pressure	1427	P.S.I.			
H	Final Hydrostatic Mud	2243	P.S.I.			

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1 0	54
P 2 5	60
P 3 10	60
P 4 15	78
P 5 20	76
P 6 25	86
P 7 30	110
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of 0 Min.

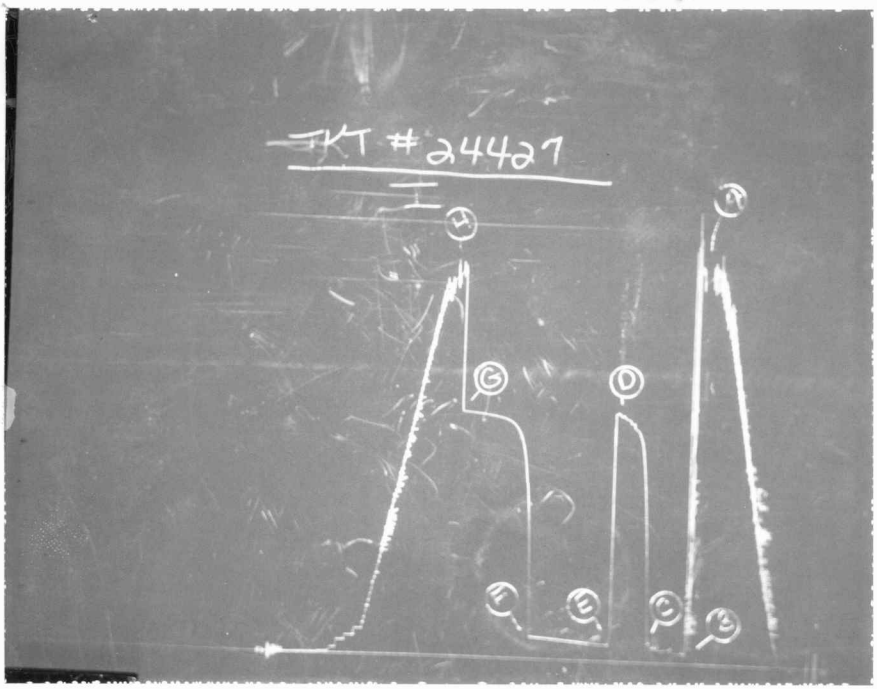
Point Minutes	Press.
0	110
3	729
6	1122
9	1296
12	1350
15	1373
18	1399
21	1414
24	1427
27	1444
30	1438

Second Flow Pressure
Breakdown: 12 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	97
5	99
10	102
15	104
20	108
25	112
30	114
35	117
40	121
45	123
50	125
55	128
60	132

Final Shut-In
Breakdown: 20 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	132
3	746
6	1041
9	1225
12	1304
15	1341
18	1367
21	1382
24	1390
27	1397
30	1401
33	1408
36	1410
39	1414
42	1416
45	1418
48	1420
51	1423
54	1425
57	1426
60	1427


IKT #24427
H
G
D
A
F
E
C
B

WESTERN TESTERS

P. O. BOX 793 PHONE 793-7903

GREAT BEND, KANSAS

WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET 24428

Formation Miss Elevation ✓ Eff. Pay ✓ Ft.

District Pratt Date 9-8-76 Customer Order No. ✓

COMPANY NAME Gear Petroleum Company

ADDRESS 1325 KSB&T Wichita, Kans.

LEASE AND WELL NO. Lattimore #1 COUNTY Kingman STATE Kans Sec. 10 Twp. 30 Rge. 9W

Mail Inv. To Co. Name Same Address No. Copies Requested 5

Mail Charts To Same Address No. Copies Requested 5

Formation Test No. 3 O.K. X Misrun ✓ Interval Tested From 4295 to 4310 Total Depth 4310

Size Main Hole 7⅞ Rat Hole ✓ Conv. X B.T. ✓ Damaged ✓ Yes X No Conv. X B.T. ✓ Damaged ✓ Yes X No

Top Packer Depth 4290 Ft. Size 6¾ Bottom Packer Depth 4295 Ft. Size 6¾

Straddle ✓ Conv. ✓ B.T. ✓ Damaged ✓ Yes ✓ No Packer Depth ✓ Ft. Size ✓

Tool Size 5½ Tool Joint Size 4½ F.H. Anchor Length 15 Ft. Size 5½ Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4301 Ft. Clock No. 6774 Depth 4304 Ft. Clock No. 6806

Top Make Kuster Cap. 4300 No. 1566 Inside Outside Bottom Make Kuster Cap. 4150 No. 2607 ~~Inside~~ Outside

Below Straddle: Depth ✓ Rec. No. ✓ Clock No. ✓ Inside Outside Depth ✓ Ft. Rec. No. ✓ Clock No. ✓ Inside Outside

Time Set Packer 12:43 P M

Tool Open I.F.P. From	12:45 M.	to	1:15 M.	✓	Hr. 30	Min. From (B)	43 35 P.S.I. To (C) 43 43 P.S.I.
Tool Closed I.C.I.P. From	1:15 M.	to	1:45 M.	✓	Hr. 30	Min. (D)	1131 1125 P.S.I.
Tool Open F.F.P. From	1:45 M.	to	2:30 M.	✓	Hr. 45	Min. From (E)	65 80 P.S.I. To (F) 97 97 P.S.I.
Tool Closed F.C.I.P. From	2:30 M.	to	3:15 M.	✓	Hr. 45	Min. (G)	1184 1188 P.S.I.

Initial Hydrostatic Pressure (A) 2254 2254 P.S.I. Final Hydrostatic Pressure (H) 2232 2251 P.S.I. Maximum Temp. 124

INFORMATION

BLOW Strong Blow Through out Test 1 off Bottom of Bucket 4 min.

Did Well Flow ✓ Yes X No Recovery Total Ft. 1320' Gas in Pipe 120' Heavy oil, Gas cut mud 60' Grassy oil cut muddy water

Reversed Out ✓ Yes X No Mud Type Starch Viscosity 42 Weight ~~9.5~~ 9.5 Water Loss 10.6 cc. Chlorides 58,000

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint ✓ Jars: Size ✓ In. Make ✓ Ser. No. ✓

Dual Packers Yes Did Packers Hold? Yes Did Tool Plug? No Where? ✓

DRILLING CONTRACTOR Red Tiger Length Drill Pipe 3048 ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4½ F.H. In.

Length Weight Pipe 1002 ft. I.D. Weight Pipe 2.56 In. Tool Joint Size 4½ F.H. In. Length Drill Collars ✓ ft. I.D. Drill Collars ✓ In.

Tool Joint Size ✓ In. Length D.S.T. Tool 35 ft.

Remarks

RECEIVED SEP 11 1976

INVOICE SECTION

Open Hole Test	$ 390 00
Straddle Test	$
Jars	$
Selective Zone	$
Safety Joint	$
Misrun	$
Evaluation	$
Packer	$
Circ. Sub.	$
	$
Total	$ 390 00

COMPANY TERMS

Western Testing Co., Inc., shall not be liable for damage of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 10% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Signature of Customer or his Authorized Representative

Western Representative Kevin Stutt

Operator's Time Hrs.

WESTERN TESTING CO., INC.
Pressure Data

Date 9-8-76 Test Ticket No. 2448

Recorder No. 1566 Capacity 4300 Location 4301 Ft.

Clock No. 6774 Elevation ~ Well Temperature 124 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2254 P.S.I.	Open Tool	12:43P M	
B First Initial Flow Pressure	35 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	43 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	1125 P.S.I.	Second Flow Pressure	45 Mins.	45 Mins.
E Second Initial Flow Pressure	80 P.S.I.	Final Closed-in Pressure	45 Mins.	45 Mins.
F Second Final Flow Pressure	97 P.S.I.			
G Final Closed-in Pressure	1188 P.S.I.			
H Final Hydrostatic Mud	2251 P.S.I.			

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1 0	35
P 2 5	36
P 3 10	37
P 4 15	39
P 5 20	39
P 6 25	39
P 7 30	43
P 8 35	
P 9 40	
P10 45	
P11 50	
P12 55	
P13 60	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 10 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	43
3	110
6	216
9	370
12	598
15	755
18	880
21	965
24	1036
27	1088
30	1125
33	
36	
39	
42	
45	
48	
51	
54	
57	
60	

Second Flow Pressure
Breakdown: 9 Inc. of 5 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	80
5	73
10	76
15	78
20	80
25	84
30	89
35	91
40	95
45	97
50	
55	
60	
65	
70	
75	
80	
85	
90	

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

Point Minutes	Press.
0	97
3	187
6	322
9	476
12	514
15	744
18	834
21	905
24	963
27	1015
30	1054
33	1090
36	1122
39	1150
42	1173
45	1188
48	
51	
54	
57	
60	

WTC - 4

WESTERN TESTERS INC.

P. O. Box 1599
Wichita, Kansas 67201

Company Gear Petroleum Company Lease & Well No. Lattimore #1

Elevation - Formation Mississippi Effective Pay - Ft. Ticket No. 24428

Date 9-8-76 Sec. 10 Twp. 30S Range 9W County Kingman State Kansas

Test Approved by Gerald Pike Western Representative Keven Strutt

Formation Test No. 3 O.K. X Misrun - Interval Tested From 4295' to 4310' Total Depth 4310'

Size Main Hole 7 7/8 Rat Hole - Conv. X B.T. - Damaged - Yes X No Conv. X B.T. - Damaged - Yes X N

Top Packer Depth 4290 Ft. Size 6 3/4 Bottom Packer Depth 4295 Ft. Size 6 3/4

Straddle - Conv. - B.T. - Damaged - Yes - No Packer Depth - Ft. Size -

Tool Size 5½ OD Tool Joint Size 4½FH Anchor Length 15 Ft. Size 5½OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 I

RECORDERS Depth 4301 Ft. Clock No. 6774 Depth 4304 Ft. Clock No. 6806

Top Make Kuster Cap. 4300 No. 1566 Inside Outside Bottom Make Kuster Cap. 4150 No. 2607 Inside Outsid

Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside

Time Set Packer 12:43 P.M

Tool Open I.F.P. From 12:45P M. to 1:15A M. - Hr. 30 Min. From (B) 35 P.S.I. To (C) 43 P.S.I

Tool Closed I.C.I.P. From 1:15A M. to 1:45A M. - Hr. 30 Min (D) 1125 P.S.I.

Tool Open F.F.P. From 1:45 A M. to 2:30A M. - Hr. 45 Min. From (E) 80 P.S.I. To (F) 97 P.S.I.

Tool Closed F.C.I.P. From 2:30A M. to 3:15A M. - Hr. 45 Min. (G) 1188 P.S.I.

Initial Hydrostatic Pressure (A) 2254 P.S.I. Final Hydrostatic Pressure (H) 2251 P.S.I. Maximum Temp. 124

INFORMATION

BLOW Strong blow throughout test.

Did Well Flow - Yes X No Recovery Total Ft. 1320' gas in pipe, 130' heavy oil gas cut mud, 60' gassey oil cut muddy water.

Reversed Out - Yes X No Mud Type starch Viscosity 42 Weight 9.5 Water Loss 10.6 cc. Chlorides 58,000 P.P.M.

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint - Jars: Size - In. Make - Ser. No. -

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -

DRILLING CONTRACTOR Red Tiger Length Drill Pipe? 3048 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4½FH In.

Length Weight Pipe 1002 Ft. I.D. Weight Pipe 2.56 In. Tool Joint Size 4½FH In. Length Drill Collars - Ft. I.D. Drill Collars - In.

Tool Joint Size - In. Length D.S.T. Tool 35 Ft.

Remarks:

WESTERN TESTING CO., INC.
Pressure Data

Date 9-8-76 Test Ticket No. 24428

Recorder No. 1566 Capacity 4300 Location 4301 I

Clock No. 6774 Elevation - Well Temperature 124 °

Point		Pressure	
A	Initial Hydrostatic Mud	2254	P.S.I.
B	First Initial Flow Pressure	35	P.S.I.
C	First Final Flow Pressure	43	P.S.I.
D	Initial Closed-in Pressure	1125	P.S.I.
E	Second Initial Flow Pressure	80	P.S.I.
F	Second Final Flow Pressure	97	P.S.I.
G	Final Closed-in Pressure	1188	P.S.I.
H	Final Hydrostatic Mud	2251	P.S.I.

	Time Given	Time Computed
Open Tool	12:43 P M	
First Flow Pressure	30 Mins.	30 Min
Initial Closed-in Pressure	30 Mins.	30 Min
Second Flow Pressure	45 Mins.	45 Min
Final Closed-in Pressure	45 Mins.	45 Min

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1 0	35
P 2 5	36
P 3 10	37
P 4 15	39
P 5 20	39
P 6 25	39
P 7 30	43
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 10 Inc. of 3 mins. and a final inc. of 0 Min.

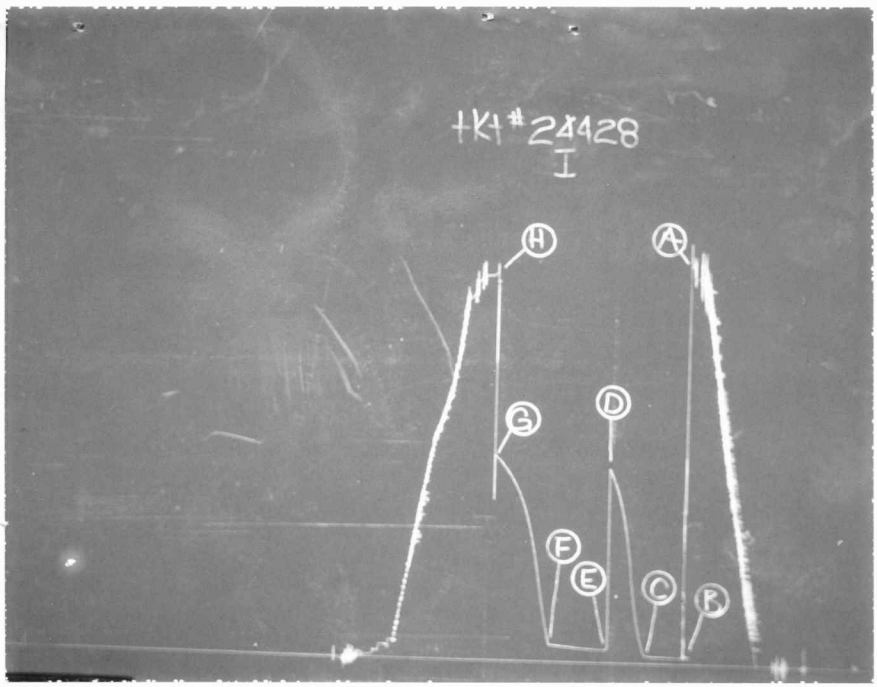
Point Minutes	Press.
0	43
3	110
6	216
9	370
12	598
15	755
18	880
21	965
24	1036
27	1088
30	1125

Second Flow Pressure
Breakdown: 9 Inc. of 5 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	80
5	73
10	76
15	78
20	80
25	84
30	89
35	91
40	95
45	97

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

Point Minutes	Press.
0	97
3	187
6	322
9	476
12	514
15	744
18	834
21	905
24	963
27	1015
30	1054
33	1090
36	1122
39	1150
42	1173
45	1188


HK1 # 24428
I
H
A
G
D
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E
C
B