Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Lee Phillips Oil Co. Lease & Well No. Hostetler B-1

Elevation 1388 Kelly Bushing Formation Kansas City Effective Pay - Ft. Ticket No. 22292

Date 10-2-76 Sec. 10 Twp. 32S Range 6W County Harper State Kansas

Test Approved by Robert E. McCann Western Representative Lonnie Cline

Formation Test No. 1 O.K. X Misrun - Interval Tested From 3837' to 3870' Total Depth 3870'

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

Top Packer Depth 3832 Ft. Size 6 3/4 Bottom Packer Depth 3837 Ft. Size 6 3/4

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

Tool Size 5½ OD Tool Joint Size 4½ FH Anchor Length 33 Ft. Size 5½ OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 3862 Ft. Clock No. 4763 Depth 3865 Ft. Clock No. 9712

Top Make Kuster Cap. 4150 No. 2604 Inside ~~Outside~~ Bottom Make Kuster Cap. 4000 No. 3660 ~~Inside~~ Outside

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

Time Set Packer 3:23 AM

Tool Open I.F.P. From 3:25 A.M. to 3:55A M. - Hr. 30 Min. From (B) 45 P.S.I. To (C) 92 P.S.I.

Tool Closed I.C.I.P. From 3:55 M. to 4:40A M. - Hr. 45 Min (D) 1616 P.S.I.

Tool Open F.F.P. From 4:40 A.M. to 5:25A M. - Hr. 45 Min. From (E) 136 P.S.I. To (F) 164 P.S.I.

Tool Closed F.C.I.P. From 5:25 M. to 6:10A M. - Hr. 45 Min. (G) 1595 P.S.I.

Initial Hydrostatic Pressure (A) 2008 P.S.I. Final Hydrostatic Pressure (H) 1890 P.S.I. Maximum Temp. 122

INFORMATION

BLOW Fair blow, slow to build.

Did Well Flow - Yes X No Recovery Total Ft. 315' total. 126' muddy water with few spots of oil, 189' muddy water.

Reversed Out - Yes X No Mud Type salt, gel, oil Viscosity 32 Weight 9.9 Water Loss 70 cc. Chlorides 33,000 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? - Where? -

DRILLING CONTRACTOR Sweetman Drlg. Co. Length Drill Pipe? 3537 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4½FH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 280 Ft. I.D. Drill Collars 2¼ In.

Tool Joint Size 4½XH In. Length D.S.T. Tool 53 Ft.

Remarks:

WESTERN TESTING CO., INC.

Pressure Data

Date 10-2-76 Test Ticket No. 22292

Recorder No. 2604 Capacity 4150 Location 3862 Ft.

Clock No. 4763 Elevation 1388 Kelly Bushing Well Temperature 122 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2008	P.S.I.	Open Tool	3:23 A M	
B	First Initial Flow Pressure	45	P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	92	P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D	Initial Closed-in Pressure	1616	P.S.I.	Second Flow Pressure	45 Mins.	45 Mins.
E	Second Initial Flow Pressure	136	P.S.I.	Final Closed-in Pressure	45 Mins.	45 Mins.
F	Second Final Flow Pressure	164	P.S.I.			
G	Final Closed-in Pressure	1595	P.S.I.			
H	Final Hydrostatic Mud	1890	P.S.I.			

PRESSURE BREAKDOWN

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

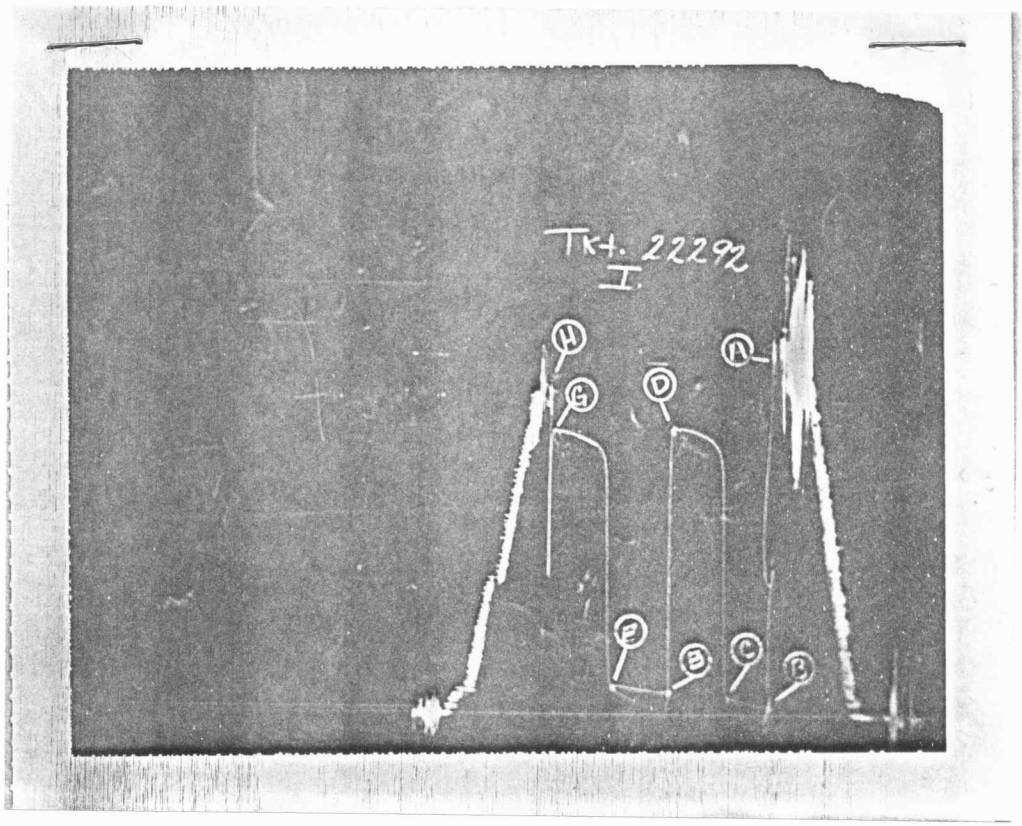
Initial Shut-In
Breakdown: 15 Inc. of 3 mins. and a final inc. of 0 Min.

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

Final Shut-In
Breakdown: 15 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	45		0	92		0	136		0	164
P 2	5	47		3	245		5	124		3	449
P 3	10	51		6	1192		10	126		6	1429
P 4	15	60		9	1472		15	132		9	1485
P 5	20	72		12	1513		20	138		12	1511
P 6	25	81		15	1538		25	143		15	1523
P 7	30	92		18	1555		30	149		18	1534
P 8				21	1565		35	158		21	1544
P 9				24	1576		40	160		24	1555
P10				27	1586		45	164		27	1565
P11				30	1592					30	1571
P12				33	1597					33	1578
P13				36	1603					36	1582
P14				39	1601					39	1588
P15				42	1609					42	1590
P16				45	1616					45	1595
P17											
P18											
P19											
P20											

COMPANY Lee Phillips Oil Co. LEASE AND WELL NO. Hostetler B-1 SEC. 10 TWP. 32S RGE. 6W TEST NO. 1 DATE 10-2-76



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1768	2008	PSI
(B)	First Initial Flow Pressure	53	45	PSI
(C)	First Final Flow Pressure	85	92	PSI
(D)	Initial Closed-in Pressure	1600	1616	PSI
(E)	Second Initial Flow Pressure	127	136	PSI
(F)	Second Final Flow Pressure	159	164	PSI
(G)	Final Closed-in Pressure	1590	1595	PSI
(H)	Final Hydrostatic Mud	1768	1890	PSI

Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Lee Phillips Oil Co. Lease & Well No. Hostetler B-1

Elevation 1388 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. 22293

Date 10-4-76 Sec. 10 Twp. 32S Range 6W County Harper State Kansas

Test Approved by Robert E. McCann Western Representative Lonnie J. Cline

Formation Test No. 2 O.K. X Misrun - Interval Tested From 4304' to 4323' Total Depth 4323'

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

Top Packer Depth 4299 Ft. Size 6 3/4 Bottom Packer Depth 4304 Ft. Size 6 3/4

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

Tool Size 5½ OD Tool Joint Size 4½ FH Anchor Length 19 Ft. Size 5½ OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4

RECORDERS Depth 4315 Ft. Clock No. 4763 Depth 4318 Ft. Clock No. 9712

Top Make Kuster Cap. 4150 No. 2604 Inside ~~Outside~~ Bottom Make Kuster Cap. 4000 No. 3660 Insi Outsi

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

Time Set Packer 12:43 A M

Tool Open I.F.P. From 12:45 AM. to 1:15 PM. - Hr. 30 Min. From (B) 68 P.S.I. To (C) 55 P.S

Tool Closed I.C.I.P. From 1:15 M. to 2:00 PM. - Hr. 45 Min (D) 1648 P.S

Tool Open F.F.P. From 2:00 P M. to 3:15 PM. 1 Hr. 15 Min. From (E) 75 P.S.I. To (F) 32 P.S

Tool Closed F.C.I.P. From 3:15 M. to 4:15 PM. 1 Hr. - Min. (G) 1584 P.S

Initial Hydrostatic Pressure (A) 2304 P.S.I. Final Hydrostatic Pressure (H) 2230 P.S.I. Maximum Temp. 130

INFORMATION

BLOW Strong blow throughout test. Gas to surface in 7 minutes on the 1st opening.
See attached sheet for gas measurements.

Did Well Flow - Yes X No Recovery Total Ft. 18' gas cut mud.

Reversed Out - Yes X No Mud Type Milogel Viscosity 55 Weight 9.7 Water Loss 12.4 cc. Chlorides 38,000 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 Sweetman Drlg. Co. Length Drill Pipe? 4004 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4½FH

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 280 Ft. I.D. Drill Collars 2¼

Tool Joint Size 4½XH In. Length D.S.T. Tool 39 Ft.

Remarks:

WESTERN TESTING CO., INC.
Pressure Data

Date 10-4-76 Test Ticket No. 22293

Recorder No. 2604 Capacity 4150 Location 4315 Ft.

Clock No. 4763 Elevation 1388 Kelly Bushing Well Temperature 130 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2304	P.S.I.	Open Tool	12:43 AM	
B	First Initial Flow Pressure	68	P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	55	P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D	Initial Closed-in Pressure	1648	P.S.I.	Second Flow Pressure	75 Mins.	75 Mins.
E	Second Initial Flow Pressure	75	P.S.I.	Final Closed-in Pressure	60 Mins.	63 Mins.
F	Second Final Flow Pressure	32	P.S.I.			
G	Final Closed-in Pressure	1584	P.S.I.			
H	Final Hydrostatic Mud	2230	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	68
P 2 5	53
P 3 10	48
P 4 15	51
P 5 20	52
P 6 25	53
P 7 30	55
P 8	
P 9	
P10	
P11	
P12	
P13	
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	55
3	586
6	1309
9	1515
12	1556
15	1578
18	1592
21	1605
24	1614
27	1622
30	1628
33	1634
36	1639
39	1643
42	1645
45	1648

Second Flow Pressure
Breakdown: 15 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	75
5	140
10	32
15	32
20	32
25	32
30	32
35	32
40	32
45	32
50	32
55	32
60	32
65	32
70	32
75	32

Final Shut-In
Breakdown: 21 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	32
3	402
6	1077
9	1305
12	1397
15	1432
18	1456
21	1477
24	1492
27	1504
30	1515
33	1527
36	1534
39	1543
42	1550
45	1557
48	1561
51	1565
54	1571
57	1577
60	1580
63	1584

Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

GAS FLOW REPORT

Date 10-4-76 Ticket 22293 Company Lee Phillips Oil Co.

Well Name and No. Hostetler B-1 Dst No. 2 Interval Tested 4304' - 4323'

County Harper State Kansas Sec. 10 Twp. 32S Rg. 6W

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						
1" orifice	Gas to surface in 7 minutes.					
12:55AM	10 min.	25 inches	of water	1" choke		129,000 CFTPD
1:05PM	20 min.	29 inches	of water	1" choke		139,000 CFTPD
1:15PM	30 min.	33 inches	of water	1" choke		148,500 CFTPD
SECOND FLOW						
2:10PM	10 min.	49 inches	of water	1" choke		181,000 CFTPD
2:20PM	20 min.	45 inches	of water	1" choke		173,000 CFTPD
2:30PM	30 min.	43 inches	of water	1" choke		169,000 CFTPD
2:40PM	40 min.	41 inches	of water	1 'choke		165,000 CFTPD
2:50PM	50 min.	40 inches	of water	1" choke		163,000 CFTPD
3:00PM	60 min.	40 inches	of water	1" choke		163,000 CFTPD
3:10PM	70 min.	40 inches	of water	1" choke		163,000 CFTPD

GAS BOTTLE

Serial No. _____ Date Bottle Filled 10-4-76 Date to be Invoiced 10-4-76

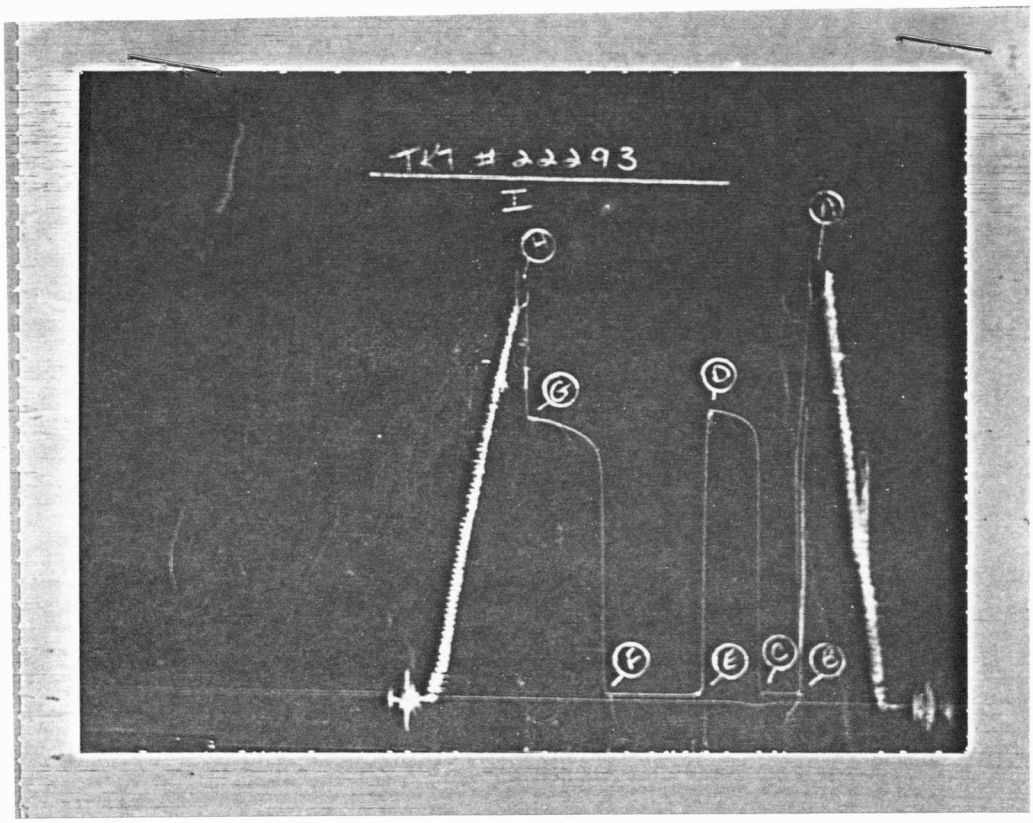
Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By 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 Lee Phillips Oil Co.

Authorized by Robert E. McCann

COMPANY Lee Phillips Oil Co. LEASE AND WELL NO. Hostetler B-1 SEC. 10 TWP. 32S RGE. 6W TEST NO. 2 DATE 10-4-76



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2263	2304	PSI
(B)	First Initial Flow Pressure	63	68	PSI
(C)	First Final Flow Pressure	63	55	PSI
(D)	Initial Closed-in Pressure	1653	1648	PSI
(E)	Second Initial Flow Pressure	42	75	PSI
(F)	Second Final Flow Pressure	31	32	PSI
(G)	Final Closed-in Pressure	1590	1584	PSI
(H)	Final Hydrostatic Mud	2263	2230	PSI

WESTERN TESTERS

Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Lee Phillips Oil Co. Lease & Well No. Hostetler B-1

Elevation 1388 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. 22294

Date 10-5-76 Sec. 10 Twp. 32S Range 6W County Harper State Kansas

Test Approved by Robert E. McCann Western Representative Lonnie J. Cline

Formation Test No. 3 O.K. X Misrun - Interval Tested From 4323' to 4343' Total Depth 4343'

Size Main Hole 77/8 Rat Hole - Conv. X B.T. - Damaged X Yes - No Conv. - B.T. X Damaged X Yes - N

Top Packer Depth 4318 Ft. Size 6 3/4 Bottom Packer Depth 4323 Ft. Size 6 3/4

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

Tool Size 5½ OD Tool Joint Size 4½ FH Anchor Length 20 Ft. Size 5½ OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 I

RECORDERS Depth 4335 Ft. Clock No. 4763 Depth 4338 Ft. Clock No. 9712

Top Make Kuster Cap. 4150 No. 2604 Inside ~~Outside~~ Bottom Make Kuster Cap. 4000 No. 3660 ~~Ins~~ Outsi

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

Time Set Packer 2:15 P M

Tool Open I.F.P. From 2:17 P M. to 2:47P M. - Hr. 30 Min. From (B) 70 P.S.I. To (C) 58 P.S

Tool Closed I.C.I.P. From 2:47 M. to 3:32P M. - Hr. 45 Min (D) 1418 P.S

Tool Open F.F.P. From 3:32P M. to 4:32P M. 1 Hr. - Min. From (E) 70 P.S.I. To (F) 72 P.S

Tool Closed F.C.I.P. From 4:32 M. to 5:32P M. 1 Hr. - Min. (G) 1452 P.S

Initial Hydrostatic Pressure (A) 2264 P.S.I. Final Hydrostatic Pressure (H) 2201 P.S.I. Maximum Temp. 138

INFORMATION

BLOW Strong blow throughout test. Gas to surface in 30 minutes.

Did Well Flow - Yes X No Recovery Total Ft. 199' total. 73' gas cut mud. 63' oil & gas cut mu
63' oil & gas cut watery mud.

Reversed Out - Yes X No Mud Type Milogel Viscosity 44 Weight 9.6 Water Loss 13.7 cc. Chlorides 37,000 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 Sweetman Drlg. Co. Length Drill Pipe? 4023 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4½FH I

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 280 Ft. I.D. Drill Collars 2¼ I

Tool Joint Size 4½XH In. Length D.S.T. Tool 40 Ft.

Remarks:

WESTERN TESTING CO., INC.
Pressure Data

Date 10-5-76 Test Ticket No. 22294

Recorder No. 2604 Capacity 4150 Location 4335 Ft.

Clock No. 4763 Elevation 1388 Kelly Bushing Well Temperature 138 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2264	P.S.I.	Open Tool	2:15 P M	
B	First Initial Flow Pressure	70	P.S.I.	First Flow Pressure	30 Mins.	25 Mins.
C	First Final Flow Pressure	58	P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D	Initial Closed-in Pressure	1418	P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	70	P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F	Second Final Flow Pressure	72	P.S.I.			
G	Final Closed-in Pressure	1452	P.S.I.			
H	Final Hydrostatic Mud	2201	P.S.I.			

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1 0	70
P 2 5	51
P 3 10	53
P 4 15	54
P 5 20	55
P 6 25	58
P 7	
P 8	
P 9	
P10	
P11	
P12	
P13	
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	58
3	209
6	468
9	730
12	952
15	1098
18	1199
21	1261
24	1309
27	1343
30	1366
33	1382
36	1393
39	1403
42	1414
45	1418

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

Point Minutes	Press.
0	70
5	60
10	58
15	58
20	60
25	61
30	64
35	65
40	66
45	67
50	69
55	70
60	72

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

Point Minutes	Press.
0	72
3	192
6	527
9	736
12	924
15	1059
18	1155
21	1220
24	1272
27	1309
30	1341
33	1368
36	1393
39	1408
42	1422
45	1435
48	1439
51	1441
54	1445
57	1450
60	1452

Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

GAS FLOW REPORT

Date 10-5-76 Ticket 22294 Company Lee Phillips Oil Co.

Well Name and No. Hostetler B-1 Dst No. 3 Interval Tested 4323' - 4343'

County Harper State Kansas Sec. 10 Twp. 32S Rg. 6W

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						
Gas to surface in 30 minutes on 1st opening.						
SECOND FLOW						
3:42 PM	10 min.	20 inches	of water	½" choke		28,000 CFGPD
3:52 PM	20 min.	22 inches	of water	½" choke		29,400 CFGPD
4:02 PM	30 min.	22 inches	of water	½" choke		29,400 CFGPD
4:12 PM	40 min.	22 inches	of water	½" choke		29,400 CFGPD
4:22 PM	50 min.	22 inches	of water	½" choke		29,400 CFGPD
4:32 PM	60 min.	22 inches	of water	½" choke		29,400 CFGPD

GAS BOTTLE

Serial No. Date Bottle Filled 10-5-76 Date to be Invoiced 10-5-76

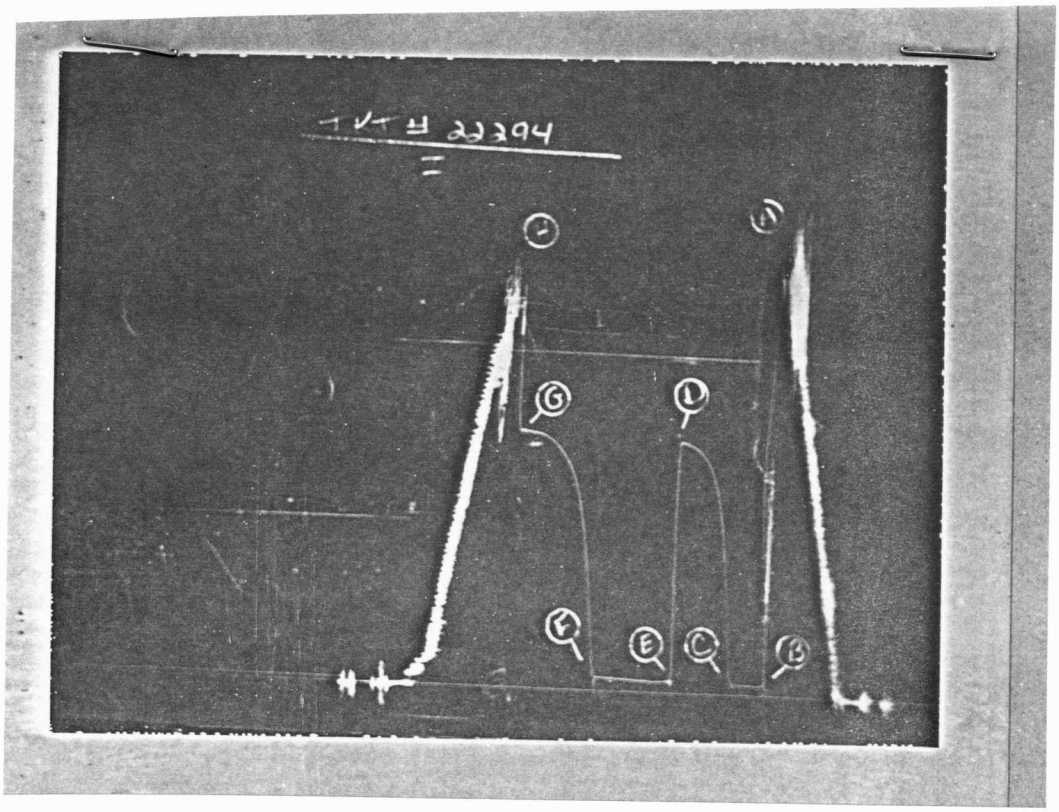
Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By 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 Lee Phillips Oil Co.

Authorized by Robert E. McCann

COMPANY Lee Phillips Oil Co. LEASE AND WELL NO. Hostetler B-1 SEC. 10 TWP. 32S RGE. 6W TEST NO. 3 DATE 10-5-76



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2158	2264	PSI
(B)	First Initial Flow Pressure	63	70	PSI
(C)	First Final Flow Pressure	63	58	PSI
(D)	Initial Closed-in Pressure	1422	1418	PSI
(E)	Second Initial Flow Pressure	74	70	PSI
(F)	Second Final Flow Pressure	74	72	PSI
(G)	Final Closed-in Pressure	1453	1452	PSI
(H)	Final Hydrostatic Mud	2158	2201	PSI

Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Lee Phillips Oil Co. Lease & Well No. Hostetler B-1

Elevation 1288 Kelly Bushing Formation Simpson Effective Pay - Ft. Ticket No. 22295

Date 10-7-76 Sec. 10 Twp. 32S Range 6W County Harper State Kansas

Test Approved by Robert E. McCann Western Representative Lonnie J. Cline

Formation Test No. 4 O.K. X Misrun - Interval Tested From 4722' to 4736' Total Depth 4736'

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

Top Packer Depth 4717 Ft. Size 6 3/4 Bottom Packer Depth 4722 Ft. Size 6 3/4

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

Tool Size 5½ OD Tool Joint Size 4½ FH Anchor Length 14 Ft. Size 5½ OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In

RECORDERS Depth 4728 Ft. Clock No. 4763 Depth 4731 Ft. Clock No. 9712

Top Make Kuster Cap. 4150 No. 2604 Inside ~~Outside~~ Bottom Make Kuster Cap. 4000 No. 3660 ~~Inside~~ Outside

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

Time Set Packer 2:06 P M

Tool Open I.F.P. From 2:07 P M. to 2:37P M. - Hr. 30 Min. From (B) 64 P.S.I. To (C) 252 P.S.I

Tool Closed I.C.I.P. From 2:37 M. to 3:22P M. - Hr. 45 Min (D) 1750 P.S.I

Tool Open F.F.P. From 3:22 P M. to 4:22P M. 1 Hr. - Min. From (E) 322 P.S.I. To (F) 529 P.S.I

Tool Closed F.C.I.P. From 4:22 M. to 5:22P M. 1 Hr. - Min. (G) 1752 P.S.I

Initial Hydrostatic Pressure (A) 2496 P.S.I. Final Hydrostatic Pressure (H) 2417 P.S.I. Maximum Temp. 145

INFORMATION

BLOW Strong blow throughout test. Gas to surface in 50 minutes of open tool.

Did Well Flow - Yes X No Recovery Total Ft. 1211' total. 15' oil & gas cut mud., 126' gas cut muddy oil, 1070' water.

Reversed Out X Yes - No Mud Type Mylogel Viscosity 66 Weight 9.8 Water Loss 14. cc. Chlorides 36,000 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 Sweetman Drlg. Co. Length Drill Pipe? 4422 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4½ FH In

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 280 Ft. I.D. Drill Collars 2¼ In

Tool Joint Size 4½XH In. Length D.S.T. Tool 34 Ft.

Remarks:

WESTERN TESTING CO., INC.
Pressure Data

Date 10-7-76 Test Ticket No. 22295

Recorder No. 2604 Capacity 4150 Location 4728 Ft.

Clock No. 4763 Elevation 1288 Kelly Bushing Well Temperature 145 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2496 P.S.I.	Open Tool	2:06 P M	
B First Initial Flow Pressure	64 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	252 P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D Initial Closed-in Pressure	1750 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	322 P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F Second Final Flow Pressure	529 P.S.I.			
G Final Closed-in Pressure	1752 P.S.I.			
H Final Hydrostatic Mud	2417 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	64
P 2 5	102
P 3 10	132
P 4 15	168
P 5 20	200
P 6 25	230
P 7 30	252
P 8	
P 9	
P10	
P11	
P12	
P13	
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	252
3	546
6	1733
9	1742
12	1746
15	1748
18	1749
21	1749
24	1749
27	1749
30	1750
33	1750
36	1750
39	1750
42	1750
45	1750

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

Point Minutes	Press.
0	322
5	314
10	326
15	352
20	374
25	397
30	421
35	440
40	459
45	476
50	500
55	516
60	529

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

Point Minutes	Press.
0	529
3	642
6	1737
9	1744
12	1748
15	1748
18	1748
21	1748
24	1748
27	1749
30	1749
33	1749
36	1750
39	1750
42	1750
45	1751
48	1751
51	1751
54	1752
57	1752
60	1752

Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

GAS FLOW REPORT

Date 10-7-76 Ticket 22295 Company Lee Phillips Oil Co.

Well Name and No. Hostetler B-1 Dst No. 4 Interval Tested 4722' - 4736'

County Harper State Kansas Sec. 10 Twp. 32S Rg. 6W

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						
1/4 orifice	Gas to surface 20 minutes					
25 min.	¼" choke	15 inches	of water			6,550 CFGPD
30 min.	¼" choke	23 inches	of water			8,000 CFGPD
35 min.	¼" choke	30 inches	of water			9,200 CFGPD
40 min.	¼" choke	34 inches	of water			9,790 CFGPD
45 min.	¼" choke	40 inches	of water			10,600 CFGPD
50 min.	¼" choke	42 inches	of water			10,900 CFGPD
55 min.	¼" choke	42 inches	of water			10,900 CFGPD
60 min.	¼" choke	42 inches	of water			10,900 CFGPD

GAS BOTTLE

Serial No. _____ Date Bottle Filled 10-7-76 Date to be Invoiced 10-7-76

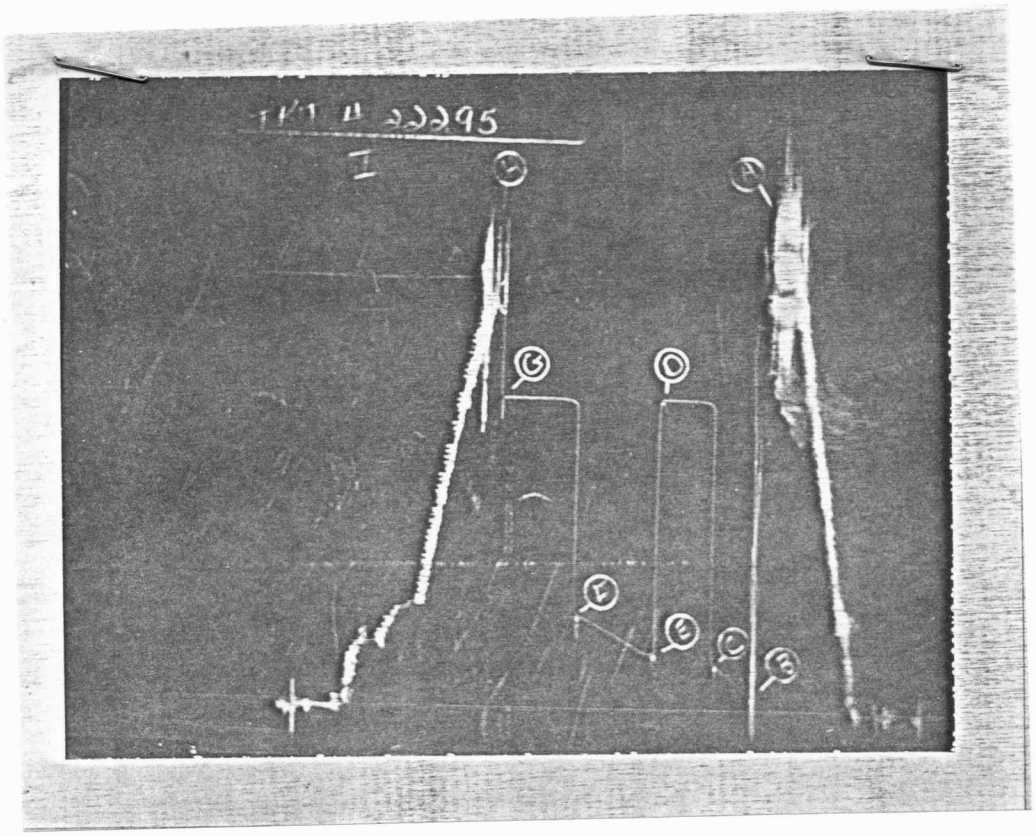
Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By 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 Lee Phillips Oil Co.

Authorized by Robert E. McCann

COMPANY Lee Phillips Oil Co. LEASE AND WELL NO. Hostetler B-1 SEC. 10 TWP. 32S RGE. 6W TEST NO. 4 DATE 10-7-76



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2263	2496	PSI
(B)	First Initial Flow Pressure	74	64	PSI
(C)	First Final Flow Pressure	256	252	PSI
(D)	Initial Closed-in Pressure	1747	1750	PSI
(E)	Second Initial Flow Pressure	320	322	PSI
(F)	Second Final Flow Pressure	533	529	PSI
(G)	Final Closed-in Pressure	1747	1752	PSI
(H)	Final Hydrostatic Mud	2263	2417	PSI