PHONE
316 / 624-7340

DEAN'S TESTERS INC.

P. O. BOX 1182
LIBERAL, Kw. 67901

Formation Lansing Type Test Bottom Hole w/Sampler Date August 9, 1984

Anchor Length and Size 41' x 4½" Total Depth 4623'

Packer Depths 4573' & 4582' Below Straddle

Equipment Run 2 Packers, Jars, Safety Joint, Circulating sub, Sample Chamber

Lengths: Tool 73' D. P. 3996' ID 3.8 Wt. P. ID D. C. 554 ID 2.25"

Mud Type Chemical Vis. 43 Wt. 8.8 Wtr. Loss 9.2 Cl. 6100 ppm

Recorders:

Depth 4588' Make Kuster Cap. 6525 Ser. No. 13644 Inside

Depth 4621' Make Kuster Cap. 6450 Ser. No. 6064 Outside

Depth Make Cap. Ser. No. Below Straddle

Pressures:

Tool on Bottom @ 11:30 A M. Initial Hydrostatic 2257 psi

Initial Flow 30 Min. IFP 107 psi to 87 psi

Initial Shut-In 57 Min. ISIP 1310 psi

Final Flow 60 Min. FFP 65 psi to 65 psi

Final Shut-In 117 Min. FSIP 1343 psi

Tool off Bottom @ 4:00 P M. Final Hydrostatic 2205 psi Temp. 112

Blow: Strong throughout test. Gas to surface in 3 minutes.

Recovery: 50' Gas Cut Mud

Gas Flow: Gauged at 90.1 MCF/D through a 1/2" orifice at end of flow period.

Sampler Data:

Pressure 64 PSI

Gas .65 cu. ft.

Total Fluid cc

Oil cc

Water cc

Mud 1500 cc

Oil Gravity @ °F.

Gas/Oil Ratio

Remarks:

6100 PPM CL

RECEIVED
AUG 13 '84
GREAT BEND
Division Office

Tester Roy Cooper Witnessed by: Jay V Braxton

DT-10 Liberal Office Machines

SEC. 18 TWP. 33S RGE. 29W

OPERATOR Petroleum Inc.

WELL NAME & NO. Burmeister C #1

COUNTY Meade STATE Kansas

TEST # 18-33S-29W 1

TICKET NO. 2633

TEST INTERVAL 4582' - 4623'

Ph. 316/624-7340 Mobile — 316/624-6247
Unit #935

DEAN'S TESTERS

P.O. Box 1182 Liberal, Kansas 67901

Company Petroleum Inc **Well** Burmeister C

Test # 1 **Interval** 4582' - 4623'

Method of Guage Merla 2'' Quick-Change Orifice Well Tester

Time	Guage	Orifice Size	Gas Volume MCF/D
Preflow			
10 Minutes	1.5 P.S.I.	1"	169
20 Minutes	2.5 P.S.I.	3/4"	121
30 Minutes	2 P.S.I.	3/4"	108
Final Flow			
10 Minutes	9 P.S.I.	3/4"	245
30 Minutes	2.5 P.S.I.	3/4"	121
30 Minutes	9.5 P.S.I.	1/2"	112
40 Minutes	9 P.S.I.	1/2"	108
50 Minutes	6.5 P.S.I.	1/2"	90.1
60 Minutes	6.5 P.S.I.	1/2"	90.1

Surface Choke 1" **Bottom Choke** 5/8"

Remarks: Gas to surface in 3 minutes.

Pressure Break Down

Test ticket no. 2633 Recorder no. 13644 Capacity 6525 Rec. Depth. 4588'

Initial Flow pressure 107 to 87 Time

Initial Closed in pressure 1310

Final Flow pressure 65 to 65

Final Closed-in pressure 1343

Initial Hydrostatic pressure 2257 Final Hydrostatic press. 2205 Temp 112

Time	Given	Computed
Initial Flow	30	30
Initial Closed in	60	57
Final Flow	60	60
Final Closed in	120	117

Initial Flow Press.

Minutes	Press
0	107
5	107
10	107
15	94
20	91
25	87
30	87
35	
40	
45	
50	
55	
60	
65	
70	
75	
80	
85	
90	
95	
100	
105	
110	
115	
120	

Initial Closed in Press.

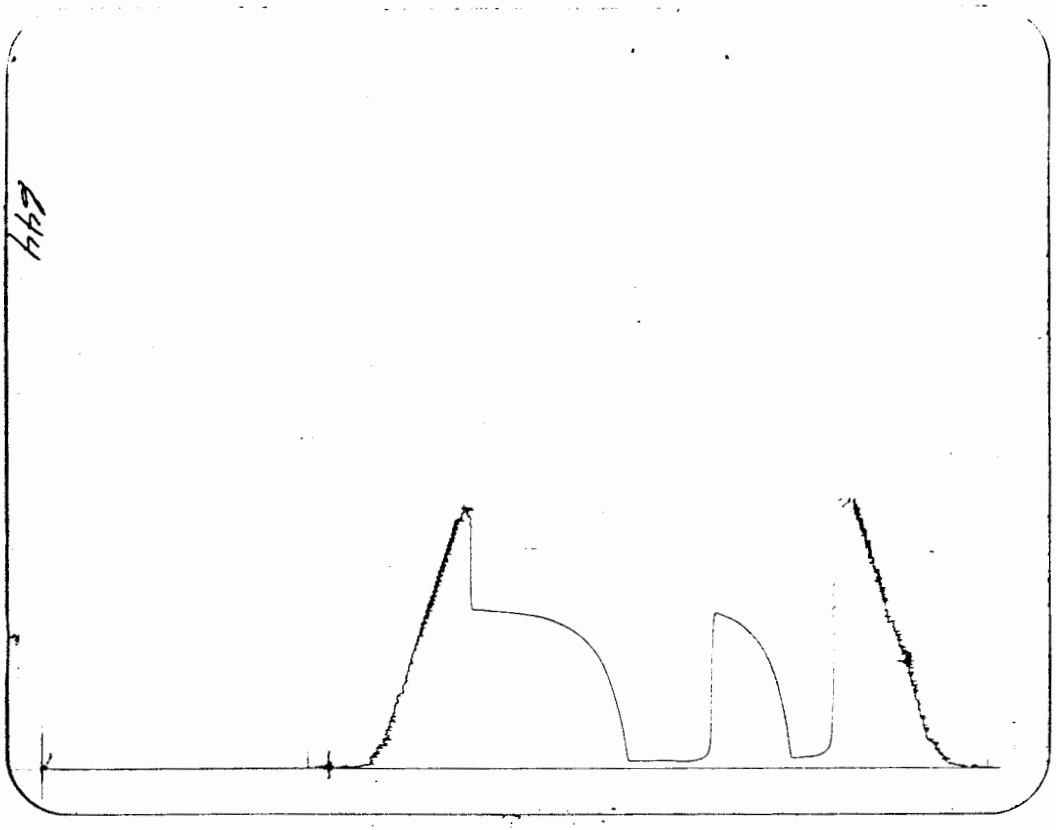
Minutes	Press
0	87
3	302
6	495
9	644
12	765
15	850
18	931
21	990
24	1045
27	1091
30	1127
33	1163
36	1192
39	1222
42	1241
45	1261
48	1277
51	1290
54	1303
57	1310
60	
63	
66	
69	
72	
75	
78	
81	
84	
87	
90	
93	
96	
99	
102	
105	
108	
111	
114	
117	
120	

Final Flow Press

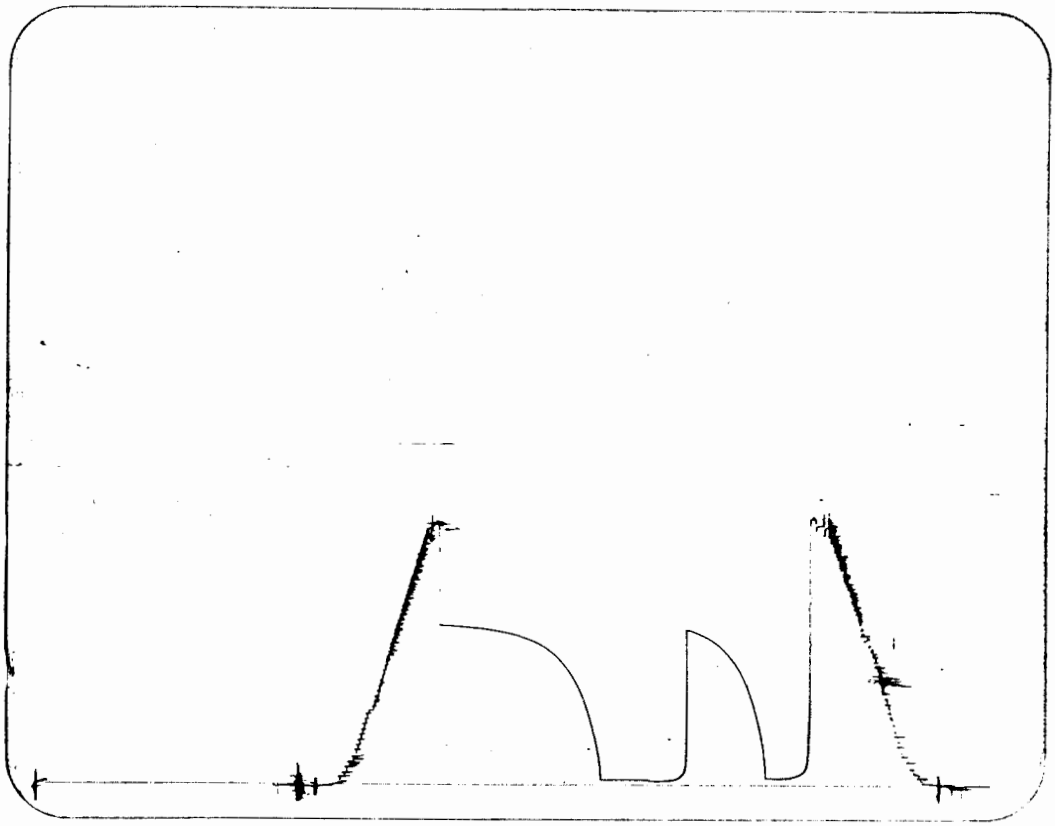
Minutes	Press
0	65
5	65
10	65
15	65
20	58
25	58
30	65
35	65
40	65
45	65
50	65
55	65
60	65
65	
70	
75	
80	
85	
90	
95	
100	
105	
110	
115	
120	
125	
130	
135	
140	
145	
150	
155	
160	
165	
170	
175	
180	

Final Closed in Press.

Minutes	Press
0	65
3	263
6	429
9	566
12	680
15	771
18	850
21	915
24	970
27	1009
30	1052
33	1084
36	1117
39	1143
42	1166
45	1189
48	1205
51	1222
54	1238
57	1248
60	1261
63	1271
66	1281
69	1287
72	1294
75	1297
78	1303
81	1310
84	1313
87	1316
90	1323
93	1326
96	1330
99	1330
102	1333
105	1336
108	1339
111	1343
114	1343
117	1343
120	



Initial Hydrostatic	2257			psi
IFP	107	psi to	87	psi
ISIP	1310			psi
FFP	65	psi to	65	psi
FSIP	1343			psi
Final Hydrostatic	2205			psi



PHONE
316 / 624-7340

DEAN'S TESTERS INC.

P. O. BOX 1182
LIBERAL, Ks. 67901

Formation Morrow Type Test Bottom Hole w/Sampler Date August 13, 1984

Anchor Length and Size 79' 61'x6¼" & 18'x4½" Total Depth 5831'

Packer Depths 5747' & 5752' Below Straddle

Equipment Run 2 Packers, Jars, Safety Joint, Circulating sub, Sample Chamber

Lengths: Tool 111' D. P. 5227' ID 3.8 Wt. P. ID D. C. 493' ID 2.25"

Mud Type Chemical Vis. 47 Wt. 9.0 Wtr. Loss 9.4 Cl. 3900 ppm

Recorders:

Depth 5742' Make Kuster Cap. 6525 Ser. No. 13644 Inside

Depth 5767' Make Kuster Cap. 6450 Ser. No. 6064 Outside

Depth Make Cap. Ser. No. Below Straddle

Pressures:

Tool on Bottom @ 3:45 A M. Initial Hydrostatic 2817 psi

Initial Flow 30 Min. IFP 114 psi to 97 psi

Initial Shut-in 69 Min. ISIP 91 psi

Final Flow 60 Min. FFP 84 psi to 65 psi

Final Shut-in 117 Min. FSIP 84 psi

Tool off Bottom @ 8:15 A M. Final Hydrostatic 2788 psi Temp. 128

Blow: Weak with 2" in bucket during Initial Flow. Weak & dying at 50 minutes into Final Flow.

Recovery: 70' Mud

Gas Flow:

Sampler Data:

Pressure 30 PSI

Gas cu. ft.

Total Fluid 2000 cc

Oil cc

Water cc

Mud 2000 cc

Oil Gravity @ °F.

Gas/Oil Ratio

Remarks:

plugging first 15 minutes of Initial Flow.

4,000 PPM CL

RECEIVED
AUG 15 '84
DIVISION OF
Division Office

Tester Roy Cooper Witnessed by: J.V. B

DT-10 Liberal Office Machines

SEC. 18 TWP. 33S RGE. 29W

OPERATOR Petroleum Inc.

WELL NAME & NO. Burmeister "C" #1

COUNTY Meade STATE Kansas

TEST # 2 TEST INTERVAL 5752' - 5831'

TICKET NO. 2634

18-33S-29W

Pressure Break Down

Test ticket no. 2634 Recorder no. 13644 Capacity 6525 Rec. Depth. 5742'

		Given	Computed
Initial Flow pressure 114 to 97	Time	30	15
Initial Closed in pressure 91		60	69
Final Flow pressure 84 to 65		60	60
Final Closed-in pressure 84		120	117

Initial Hydrostatic pressure 2817 Final Hydrostatic press. 2788 Temp 128

Initial Flow Press.

Minutes	Press
0	---
5	---
10	---
15	114
20	107
25	97
30	97
35	
40	
45	
50	
55	
60	
65	
70	
75	
80	
85	
90	
95	
100	
105	
110	
115	
120	

Initial Closed in Press.

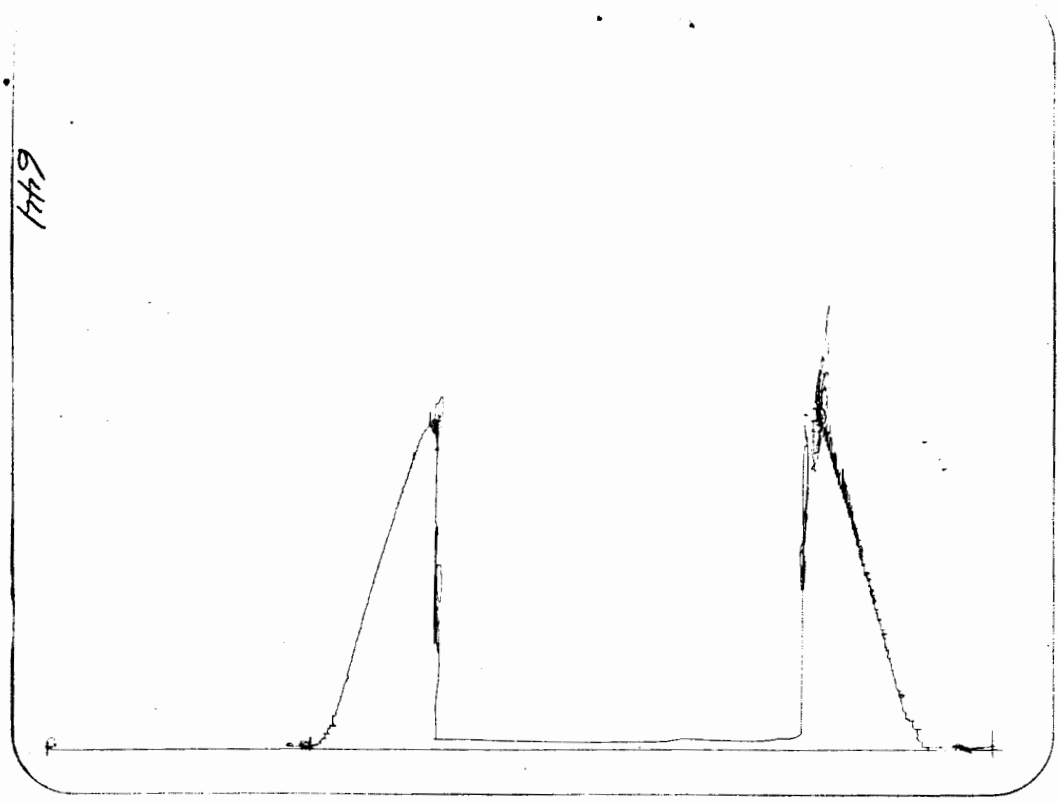
Minutes	Press
0	97
3	87
6	84
9	84
12	78
15	78
18	78
21	78
24	78
27	78
30	78
33	78
36	78
39	78
42	81
45	81
48	84
51	87
54	87
57	87
60	87
63	91
66	91
69	91
72	
75	
78	
81	
84	
87	
90	
93	
96	
99	
102	
105	
108	
111	
114	
117	
120	

Final Flow Press

Minutes	Press
0	84
5	71
10	71
15	71
20	65
25	65
30	65
35	65
40	65
45	65
50	65
55	65
60	65
65	
70	
75	
80	
85	
90	
95	
100	
105	
110	
115	
120	
125	
130	
135	
140	
145	
150	
155	
160	
165	
170	
175	
180	

Final Closed in Press.

Minutes	Press
0	65
3	65
6	61
9	61
12	61
15	61
18	61
21	61
24	61
27	65
30	65
33	65
36	65
39	65
42	68
45	68
48	68
51	68
54	68
57	68
60	68
63	71
66	71
69	71
72	74
75	74
78	74
81	78
84	78
87	78
90	81
93	81
96	81
99	81
102	81
105	81
108	84
111	84
114	84
117	84
120	



Initial Hydrostatic 2817 psi

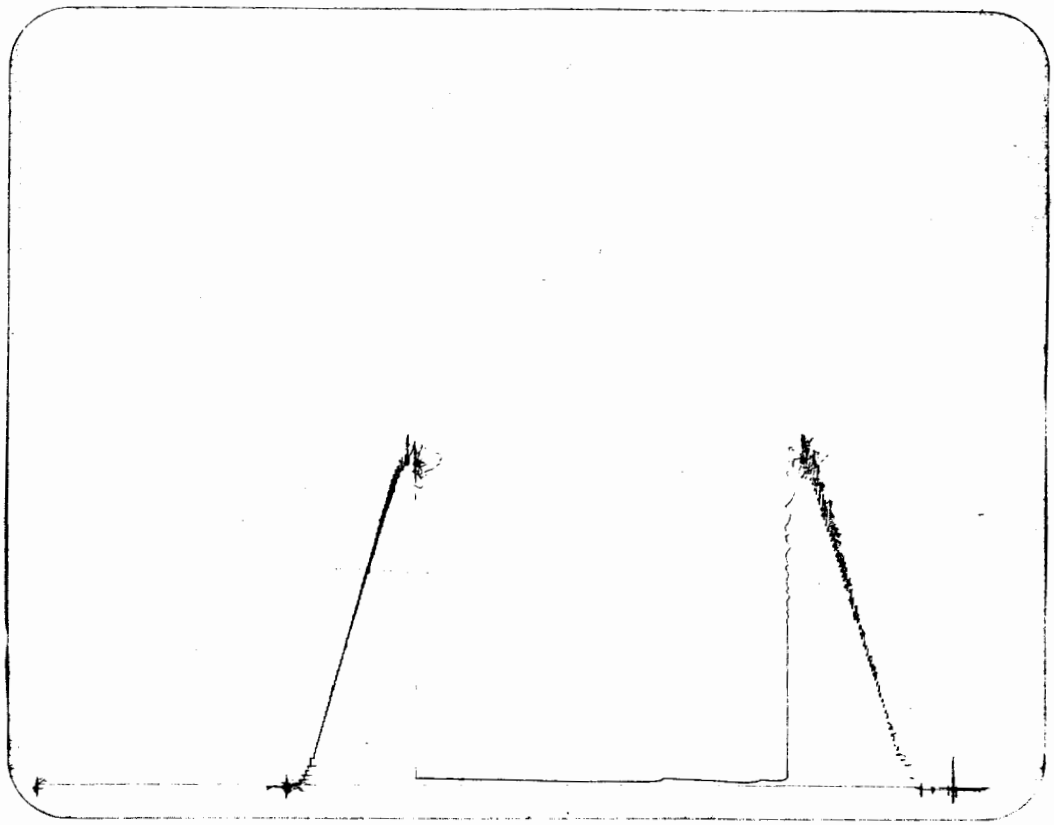
IFP 114 psi to 97 psi

ISIP 91 psi

FFP 84 psi to 65 psi

FSIP 84 psi

Final Hydrostatic 2788 psi



PHONE
6 / 624-7340

DEAN'S TESTERS INC.

P. O. BOX 1182
LIBERAL, Ks. 67901

Formation Judy Type Test Hook Straddle w/Sampler Date August 14, 1984

Anchor Length and Size 65' 30'x6¼" & 35'x4½" Total Depth 5945'

Packer Depths 4793' & 4798' Below Straddle 4863' & 4868'

Equipment Run 4 Packers, Jars, Safety Joint, Circulating sub, Straddle Assembly, Sidewall Hook Assembly, Sample Chamber

Lengths: Tool 97' D. P. 4242' ID 3.8" Wt. P. ____ ID ____ D. C. 524' ID 2.25"

Mud Type Chemical Vis. 45 Wt. 8.7 Wtr. Loss 9.6 Cl. 6800 ppm

Recorders:

	Depth	Make	Cap.	Ser. No.	
	4804'	Kuster	6525	13644	Inside
	4828'	Kuster	6450	6064	Outside
	4878'	H & T	7500	1	Below Straddle

Pressures:

Tool on Bottom @ 11:15 P M. Initial Hydrostatic 2426 psi

Initial Flow 30 Min. IFP 166 psi to 241 psi plugging

Initial Shut-In 57 Min. ISIP 1437 psi

Final Flow 60 Min. FFP 276 psi to 306 psi

Final Shut-In 118 Min. FSIP 1431 psi

Tool off Bottom @ 3:45 A M. Final Hydrostatic 2355 psi Temp. 114

Blow: Weak increasing to Fair on both opens.

Recovery:
190' Slightly Gas Cut Mud
230' Slightly Gas Cut Watery Mud
90' Gas Cut Water

Gas Flow:

Sampler Data:

Pressure 180 PSI
Gas .03 cu. ft.
Total Fluid 1900 cc
Oil Trace cc
Water 1300 cc
Mud 600 cc
Oil Gravity ____ @ ____ °F.
Gas/Oil Ratio ____

Remarks:

54,000 PPM Cl
Rw .055 @ 114°

Tester Roy Cooper Witnessed by: Kenny Sizemore

RECEIVED
AUG 16 '84
GREAT BEND
DIVISION

DT-10 Liberal Office Machines

SEC. 18 | TWP. 33S | RGE. 29W | COUNTY Meade | STATE Kansas | TICKET NO. 2635

OPERATOR Petroleum Inc.

WELL NAME & NO. Burmeister "C" #1

TEST # 3

TEST INTERVAL 4798' - 4863'

18-33S-29W

Pressure Break Down

Test ticket no. 2635 Recorder no. 13644 Capacity 6525 Rec. Depth. 4804'

Initial Flow pressure 166 to 241 plugging Time

Initial Closed in pressure 1437

Final Flow pressure 276 to 306

Final Closed-in pressure 1431

Time	Given	Computed
	30	30
	60	57
	60	60
	120	118

Initial Hydrostatic pressure 2426 Final Hydrostatic press. 2355 Temp 114

Initial Flow Press.

Minutes	Press
0	166
5	plugging
10	221
15	plugging
20	241
25	plugging
30	241
35	
40	
45	
50	
55	
60	
65	
70	
75	
80	
85	
90	
95	
100	
105	
110	
115	
120	

Initial Closed in Press.

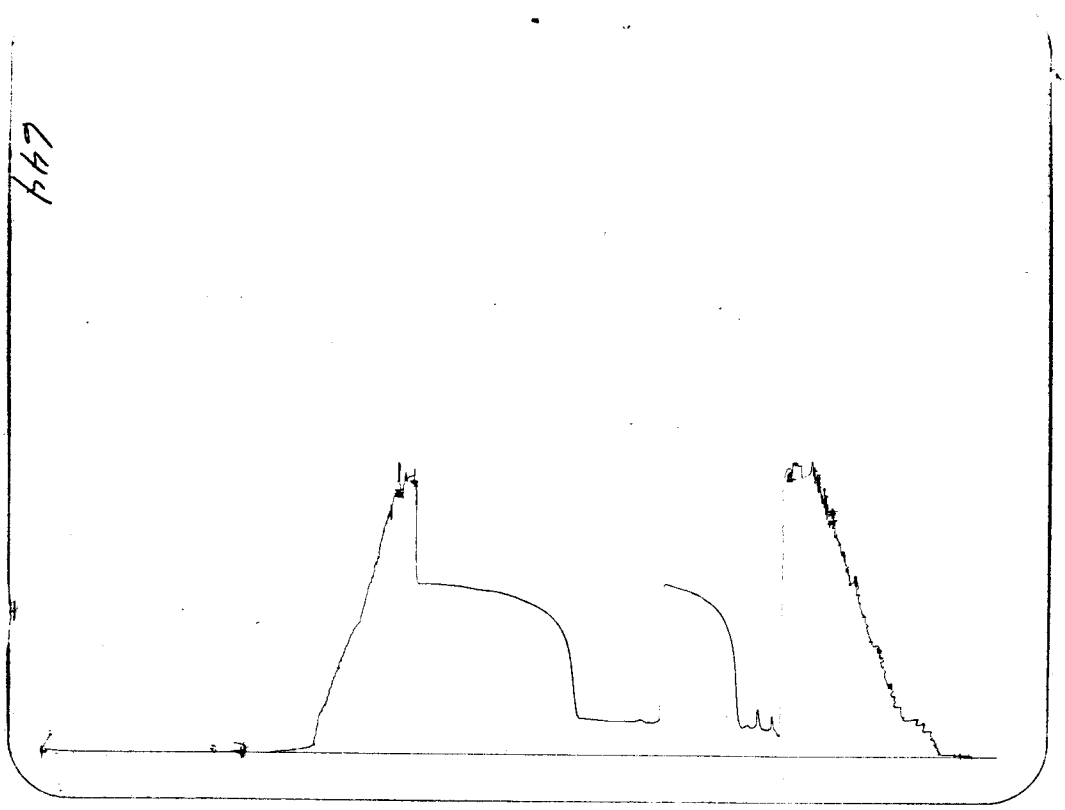
Minutes	Press
0	241
3	443
6	879
9	1022
12	1117
15	1179
18	1222
21	1258
24	1287
27	1310
30	1333
33	1346
36	1362
39	1379
42	1392
45	1398
48	1408
51	1421
54	1428
57	1437
60	
63	
66	
69	
72	
75	
78	
81	
84	
87	
90	
93	
96	
99	
102	
105	
108	
111	
114	
117	
120	

Final Flow Press

Minutes	Press
0	276
5	276
10	276
15	plugging
20	286
25	286
30	286
35	286
40	289
45	296
50	299
55	306
60	306
65	
70	
75	
80	
85	
90	
95	
100	
105	
110	
115	
120	
125	
130	
135	
140	
145	
150	
155	
160	
165	
170	
175	
180	

Final Closed in Press.

Minutes	Press
0	306
3	462
6	771
9	928
12	1016
15	1081
18	1124
21	1160
24	1189
27	1212
30	1235
33	1254
36	1271
39	1284
42	1297
45	1313
48	1323
51	1336
54	1346
57	1356
60	1362
63	1369
66	1369
69	1375
72	1379
75	1385
78	1388
81	1395
84	1401
87	1408
90	1411
93	1415
96	1418
99	1418
102	1424
105	1428
108	1428
111	1431
114	1431
117	1431
118	1431



Initial Hydrostatic 2426 psi

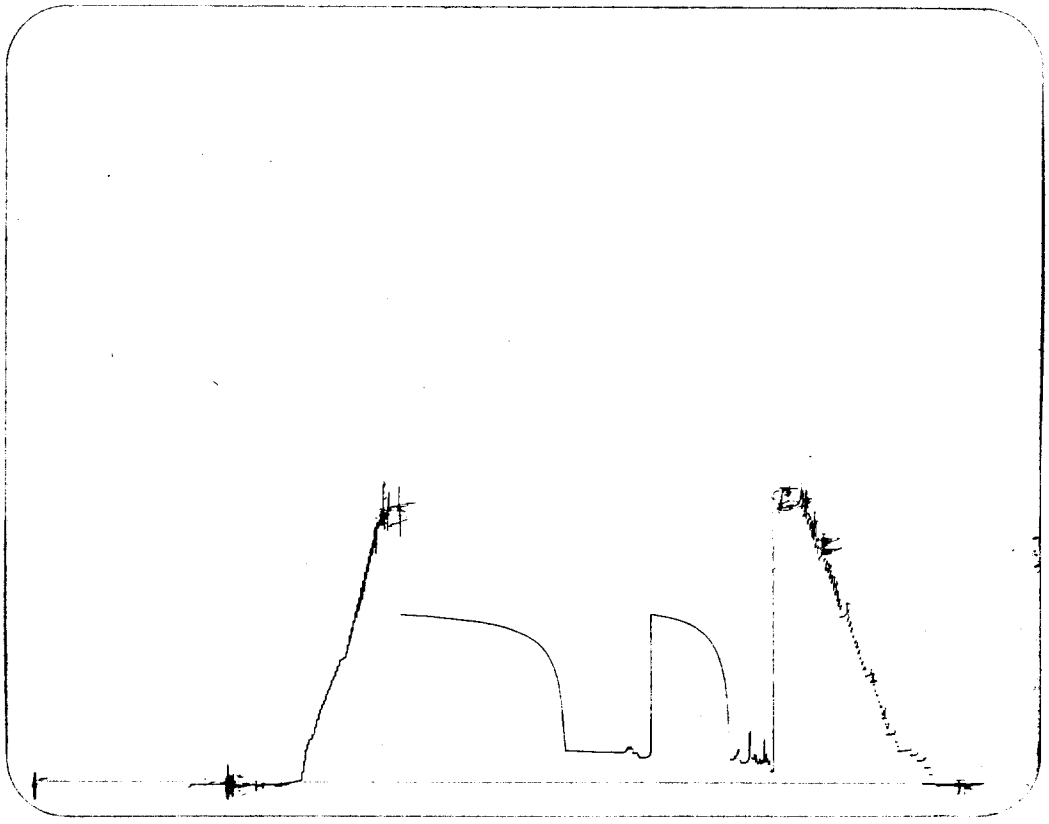
IFP 166 psi to 241 psi plugging

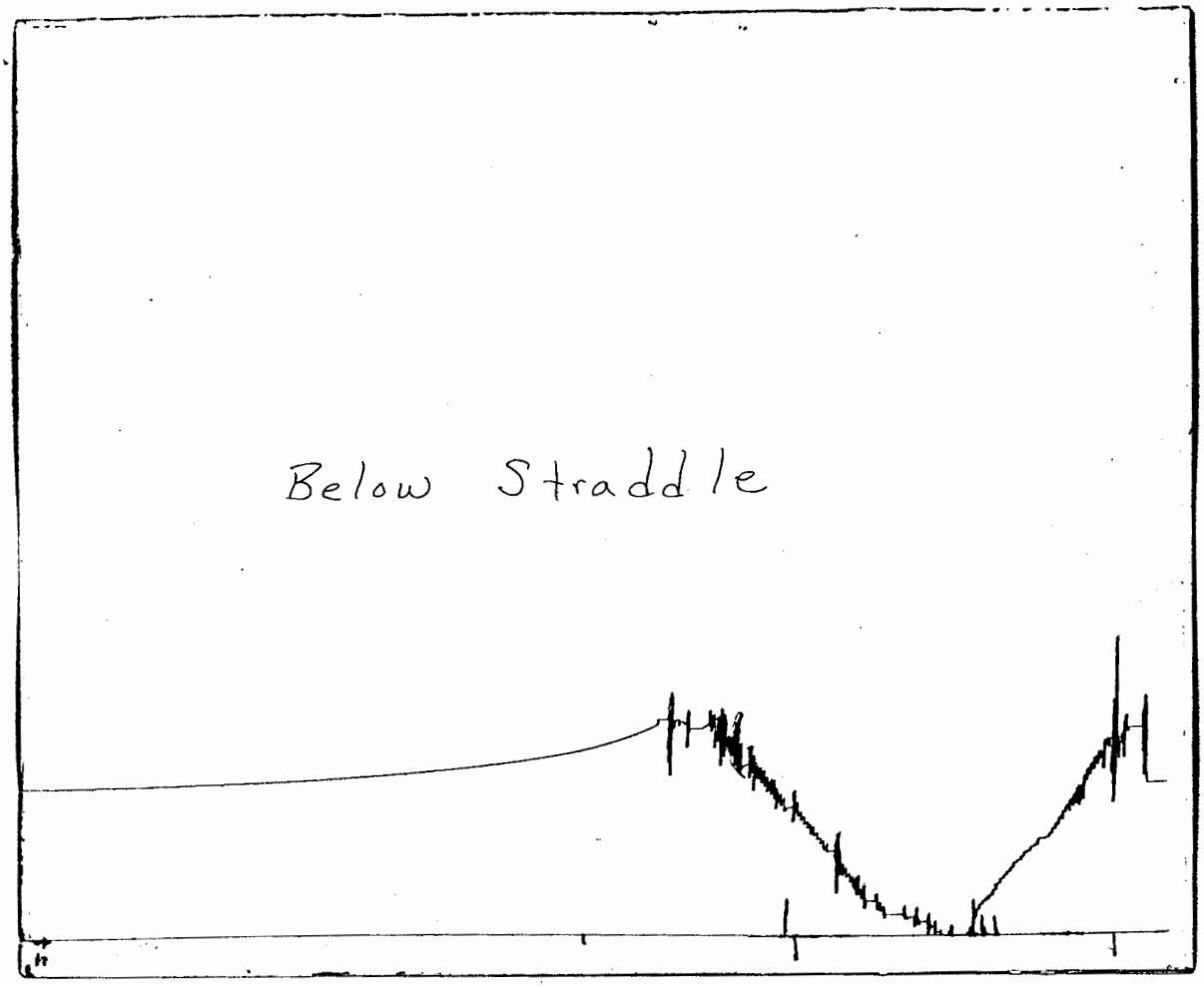
ISIP 1437 psi

FFP 276 psi to 306 psi

FSIP 1431 psi

Final Hydrostatic 2355 psi




Below Straddle