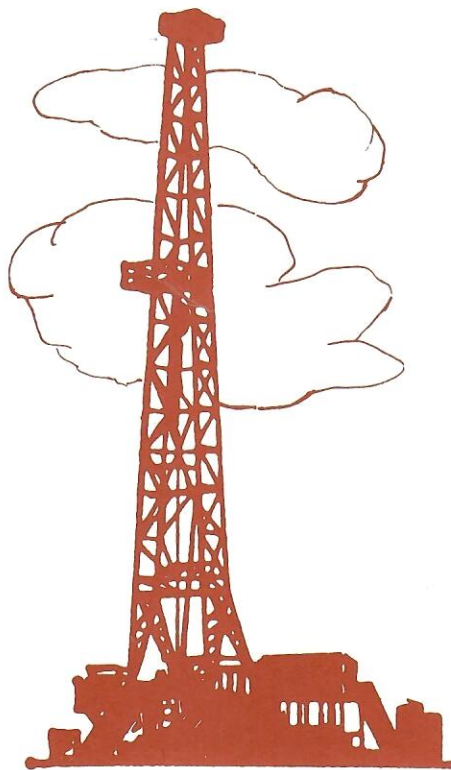




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PICK TESTERS

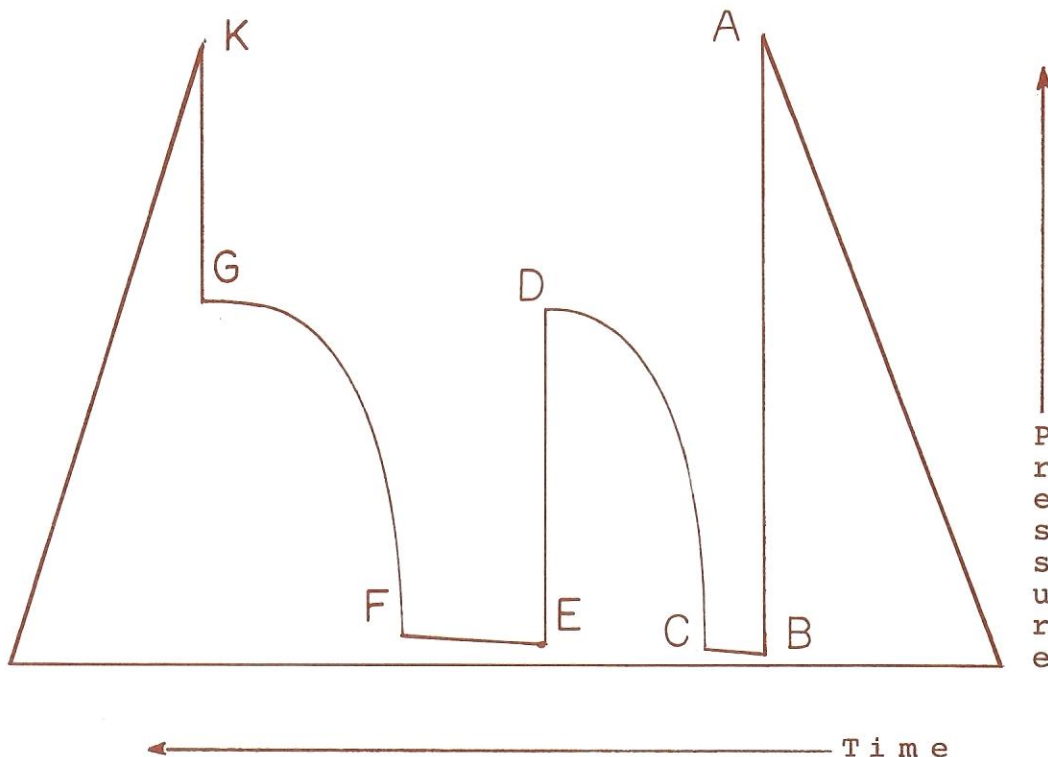
Drill Stem Test Report

Box 341
Sterling, CO 80751

Phone
(303) 522-8387

In making any interpretation, our employees will give Customer the benefit of their best judgment as to the correct interpretation. Nevertheless, since all interpretations are opinions based on inferences from electrical, mechanical or other measurements, we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not be liable or responsible, except in the case of gross or wilful negligence on our part, for any loss, costs, damages or expenses incurred or sustained by Customer resulting from any interpretation made by any of our agents or employees.

Kuster AK-1 Chart



- A - Initial Hydrostatic
- B - First Initial Flow
- C - First Final Flow
- D - Initial Shut-In
- E - Second Initial Flow
- F - Second Final Flow
- G - Second Shut-In
- K - Final Hydrostatic

Drill-Stem-Test Reporting By:

Michael Hudson
DATA REPORTING SERVICES

Box 1762 Ph. (303) 522-9068
STERLING, COLORADO 80751

Original pressure charts on file at the above location.

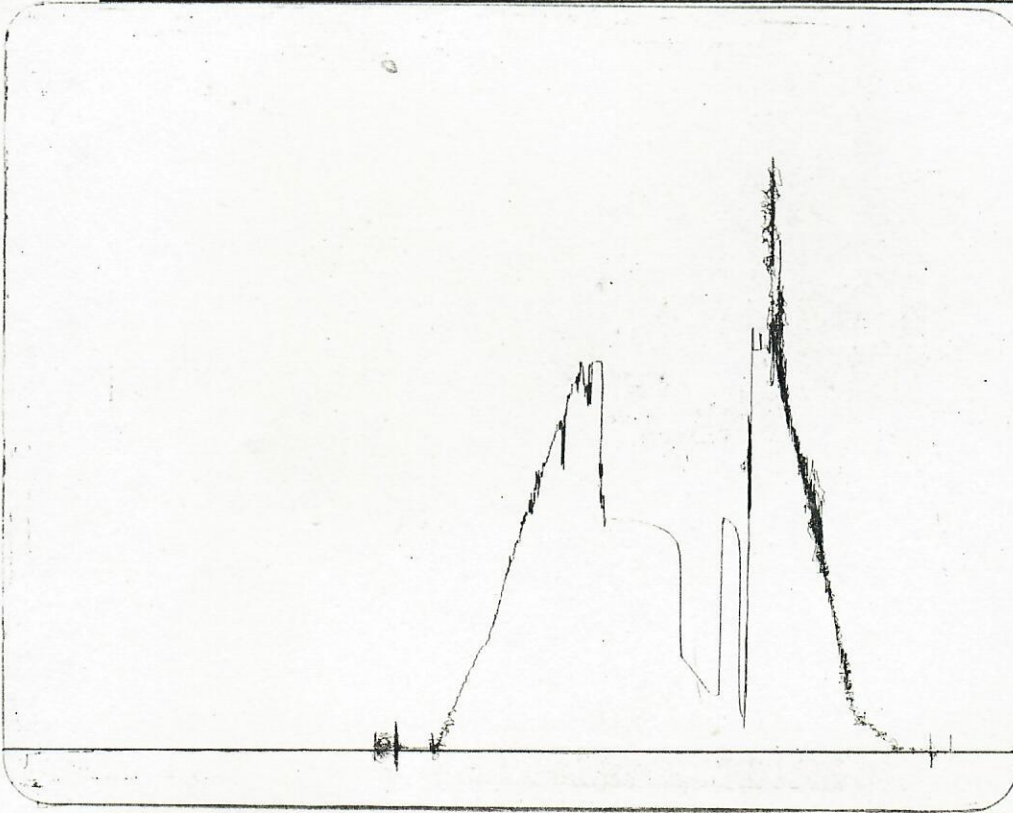


PICK TESTERS

Contractor **Ashby Drilling**
Rig No. **1**
Spot **NE/NE**
Sec **4**
Twp. **10 N**
Rng. **46 W**
Field **Wildcat**
County **Sedgwick**
State **Colorado**
Elevation **3982' KB**
Formation **Leonard**

Surface Choke **1/4"**
Bottom Choke **3/4"**
Hole Size **7 7/8"**
Core Hole Size **None**
DP Size & Wt. **4 1/2" 16.60**
Wt. Pipe **None**
I.D. of DC **2 1/4"**
Length of DC **311'**
Total Depth **5010'**
Type Test **Conventional**
Interval **4994'- 5010'**

Mud Type **Polymer/Gel**
Weight **9.1**
Viscosity **68**
Water Loss **--**
Filter Cake **--**
Resistivity **2.8 @ 68 °F**
2,016 Ppm. NaCl °F
B.H.T. **148 °F**
Co. Rep. **David Pickering**
Tester **David Pickering**



	REPORTED	CORRECTED	
Opened Tool @	05:30		hrs.
Flow No. 1	5	4	min.
Shut-in No. 1	15	12	min.
Flow No. 2	30	30	min.
Shut-in No. 2	60	60	min.
Flow No. 3	None Taken		min.
Shut-in No. 3	"	"	min.

Recorder Type **Kuster AK-1**
No. **13617** Cap. **4550** psi
Depth **4987** feet
Inside **x** Clock
Outside Range **12** hrs.

Initial Hydrostatic	A	2363
Final Hydrostatic	K	2294
Initial Flow	B	187
Final Initial Flow	C	242
Initial Shut-in	D	1367
Second Initial Flow	E	325
Second Final Flow	F	557
Second Shut-in	G	1365
Third Initial Flow	H	
Third Final Flow	I	
Third Shut-in	J	

Pipe Recovery **1248' Water = 14.83 bbl.**

Resistivity:
Top: **.9 @ 72 Deg F/.46 @ Res Temp/6,328 ppm NaCl., 3,847 ppm Cl.**
Middle: **.7 @ 72 Deg F/.36 @ Res Temp/8,268 ppm NaCl., 5,026 ppm Cl.**
Bottom: **.7 @ 72 Deg F/.36 @ Res Temp/8,268 ppm NaCl., 5,026 ppm Cl.**

1st Flow: **Tool opened with a 1/2" blow, increased to bottom of bucket in 4 minutes and remained thru flow period.**

2nd Flow: **Tool opened with a 1" blow, increased to bottom of bucket in 5 minutes and remained thru flow period.**

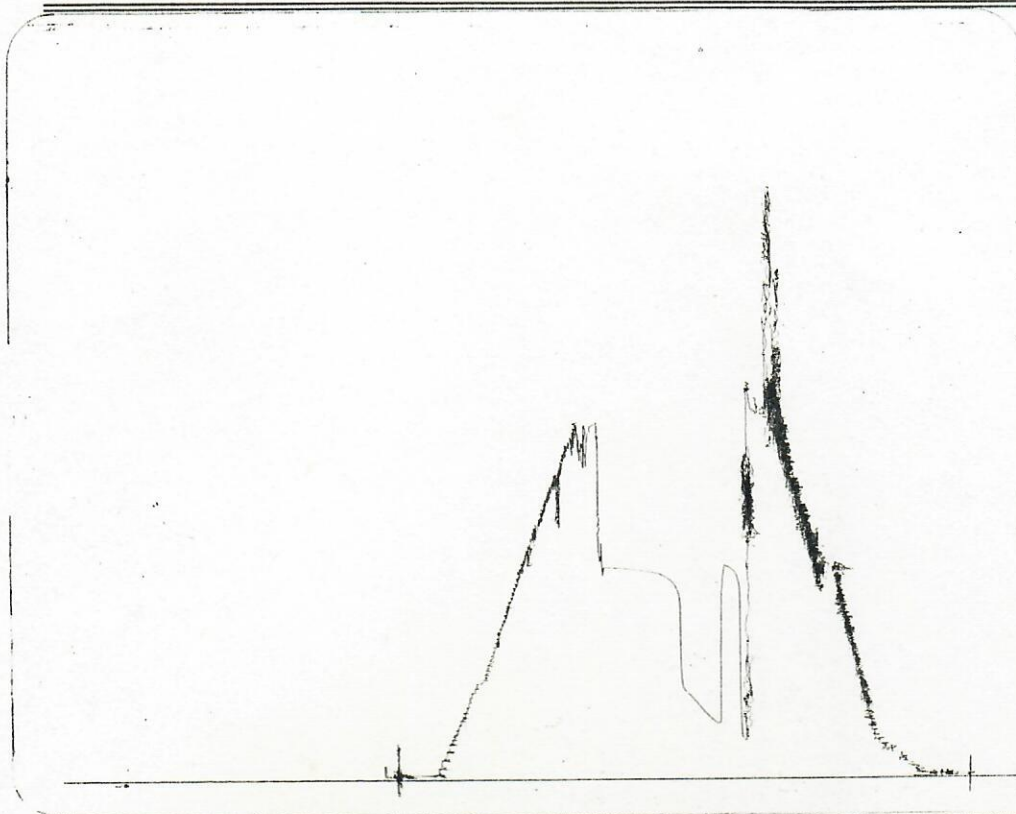
WESTERN OPERATING CO.
TICKET #1489

MUNSON #4-1
LEONARD ~ 4994' - 5010'

DST #1
02-20-1994

Company: Western Operating Co.
 Well: Munson #4-1
 DST No: 1

02-20-1995



Recorder Type	Kuster AK-1		
No.	13338	Cap.	4950 psi
Depth			5007 feet
Inside	x	Clock	
Outside		Range	12 hrs.

Initial Hydrostatic	A	2367
Final Hydrostatic	K	2296
Initial Flow	B	218
Final Initial Flow	C	247
Initial Shut-In	D	1357
Second Initial Flow	E	328
Second Final Flow	F	544
Second Shut-In	G	1353
Third Initial Flow	H	
Third Final Flow	I	
Third Shut-In	J	

Recorder Type	---		
No.		Cap.	psi
Depth			feet
Inside		Clock	
Outside		Range	hrs.

Initial Hydrostatic	A
Final Hydrostatic	K
Initial Flow	B
Final Initial Flow	C
Initial Shut-In	D
Second Initial Flow	E
Second Final Flow	F
Second Shut-In	G
Third Initial Flow	H
Third Final Flow	I
Third Shut-In	J

Company: Western Operating Co.
 Well: Munson #4-1
 DST No: 1

02-20-1995

SAMPLER REPORT

Pressure in Sampler: None psig
 Total Volume of Sampler: 2150 cc.
 Total Volume of Sample: 2050 cc.
 Oil: None cc.
 Water: 2050 cc.
 Mud: None cc.
 Gas: None cu. ft.
 Other: None

Sample RW: .7 @ 72 Deg F/.36 @ Res Temp/8,268 ppm NaCl., 5,026 ppm Cl.
 Resistivity

Make up Water @ °F of Chloride Content ppm.

Mud Pit Sample 2.8 @ 68 °F of Chloride Content 2,016 ppm.

Gas / Oil Ratio Gravity °API @ °F

Where was sample drained On Location.

Remarks:

D.R.S.

Company: Western Operating Co.

Well: Munson #4-1, DST #1

Field: Wildcat

[Monday: Feb. 20, 1995]

Page 1

REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
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Gauge #13617 @ 4987 ft:

Opened for flow #1:

1	0	5:30: 0	0.0000	186.55
2	0	5:31: 1	0.0171	196.41
3	0	5:31:59	0.0331	210.81
4	0	5:33: 0	0.0500	228.38
5	0	5:33:39	0.0609	242.40

Closed for shut-in #1:

6	0	5:33:39	0.0000	242.40
7	0	5:34:40	0.0168	1211.78
8	0	5:35:40	0.0336	1292.97
9	0	5:36:38	0.0495	1313.17
10	0	5:37:39	0.0666	1324.43
11	0	5:38:41	0.0837	1331.97
12	0	5:39:39	0.0998	1337.91
13	0	5:40:40	0.1170	1345.00
14	0	5:41:39	0.1331	1350.15
15	0	5:42:40	0.1503	1354.29
16	0	5:43:39	0.1665	1358.20
17	0	5:44:40	0.1836	1363.02
18	0	5:45:39	0.1998	1367.16

Opened for flow #2:

19	0	5:50: 8	0.0000	330.79
20	0	5:52: 9	0.0336	324.59
21	0	5:54: 9	0.0671	326.85
22	0	5:56: 9	0.1005	332.96
23	0	5:58: 9	0.1337	346.17
24	0	6: 0: 9	0.1669	365.13
25	0	6: 2: 8	0.2000	385.54
26	0	6: 4:11	0.2342	406.49
27	0	6: 6: 6	0.2663	426.29
28	0	6: 8:10	0.3005	443.06
29	0	6:10: 9	0.3337	462.17
30	0	6:12: 8	0.3668	481.94
31	0	6:14: 8	0.4000	500.69
32	0	6:16: 7	0.4332	518.65
33	0	6:18:10	0.4673	537.95
34	0	6:20: 9	0.5005	556.56

Closed for shut-in #2:

35	0	6:20: 9	0.0000	556.56
36	0	6:21:10	0.0169	1075.71
37	0	6:22: 8	0.0330	1194.42
38	0	6:23: 9	0.0498	1220.44
39	0	6:24:10	0.0668	1234.05
40	0	6:25:12	0.0839	1243.83

D.R.S.

Company: Western Operating Co.

Well: Munson #4-1, DST #1

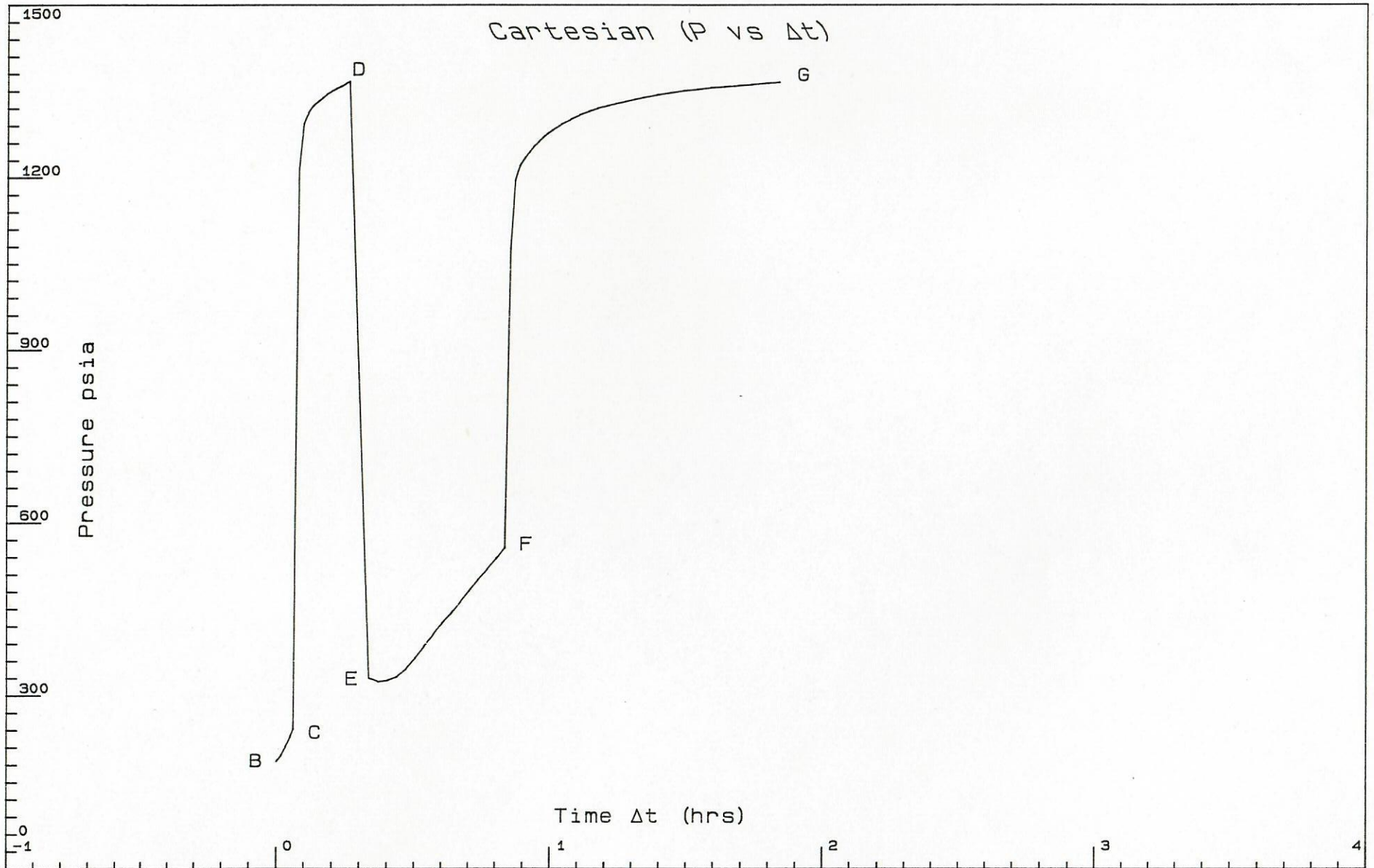
Field: Wildcat

[Monday: Feb. 20, 1995]

Page 2

REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
41	0	6:26: 9	0.1000	1253.83
42	0	6:27:11	0.1171	1262.14
43	0	6:28: 9	0.1332	1269.88
44	0	6:29:11	0.1503	1276.84
45	0	6:30: 9	0.1664	1282.10
46	0	6:32: 9	0.1998	1292.85
47	0	6:34:12	0.2341	1301.35
48	0	6:36:12	0.2675	1309.39
49	0	6:38: 9	0.2999	1315.28
50	0	6:40: 9	0.3333	1320.72
51	0	6:42:10	0.3667	1324.80
52	0	6:44:10	0.4001	1328.65
53	0	6:46:10	0.4336	1332.17
54	0	6:48:11	0.4670	1335.80
55	0	6:50:11	0.5005	1338.75
56	0	6:53:10	0.5501	1343.46
57	0	6:56: 9	0.5998	1347.04
58	0	6:59:11	0.6505	1350.85
59	0	7: 2:10	0.7002	1353.40
60	0	7: 5:13	0.7509	1356.31
61	0	7: 8: 8	0.7996	1357.95
62	0	7:11:11	0.8504	1359.72
63	0	7:14:10	0.9001	1361.71
64	0	7:17: 9	0.9498	1363.82
65	0	7:20:11	1.0005	1365.48

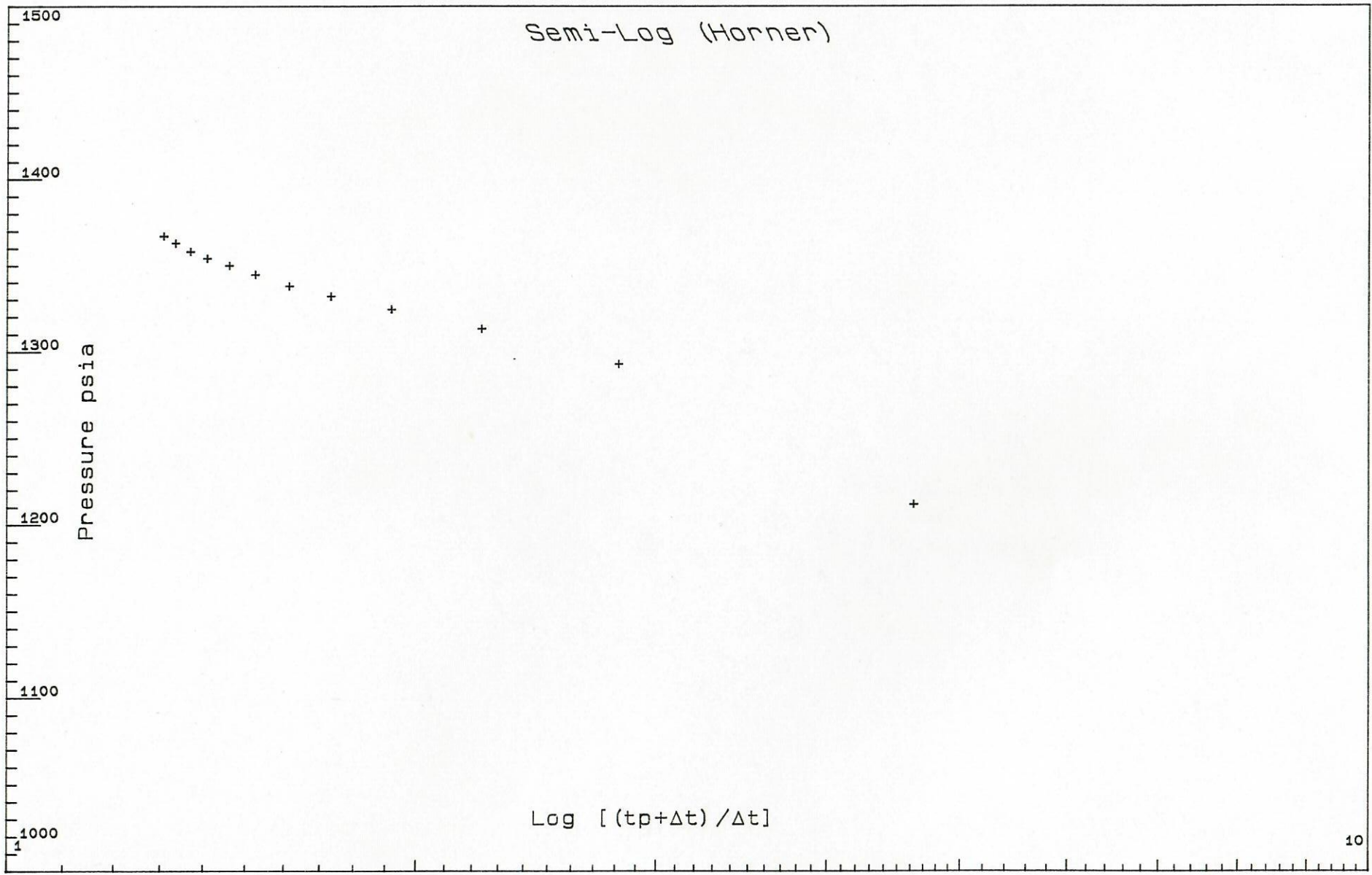
D.R.S.



Company: Western Operating Co.
 Well: Munson #4-1, DST #1
 Field: Wildcat

Chart digitized by DRS computerized scanning systems.

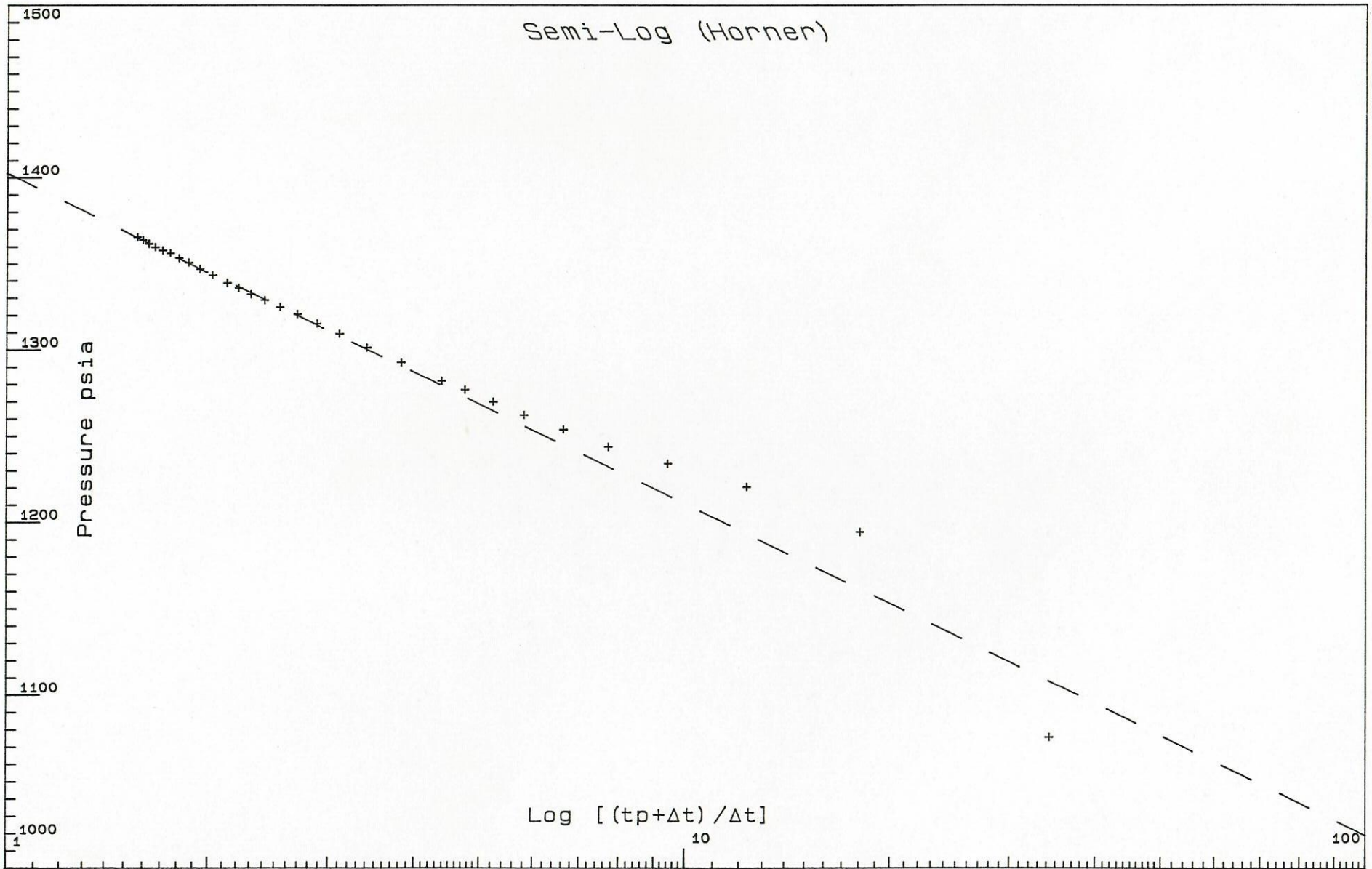
Date: 02-20-1995



Company: Western Operating Co.
 Well: Munson #4-1, DST #1
 Field: Wildcat

Shut-in #1:
 P* - Indeterminate

Date: 02-20-1995



Company: Western Operating Co.
 Well: Munson #4-1, DST #1
 Field: Wildcat

Shut-in #2:
 P* = 1402 psi
 M = -191.782 psi/cycle

Date: 02-20-1995

Company: Western Operating Co.
Well: Munson #4-1

DISTRIBUTION OF FINAL REPORTS

Western Operating Co. [5]
518-17th St., Ste 1680
Denver CO 80202