

Phone (303) 5



00500128

BAKER SERVICE TOOLS

1616 Glenarm — Suite 1350
Denver, CO 80202

Contractor **Exeter Drilling**
Rig No. **71**
Spot **NE/NW**
Sec. **35**
Twp. **15 S**
Rng. **42 W**
Field **Wildcat**
County **Cheyenne**
State **Colorado**
Elevation **3969' KB**
Formation **Morrow**

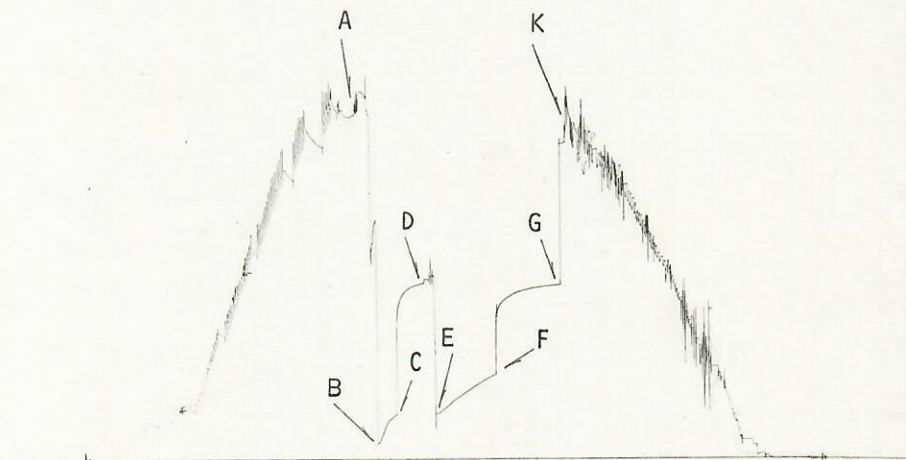
Surface Choke **1/4"**
Bottom Choke **3/4"**
Hole Size **7 7/8"**
Core Hole Size **--**
DP Size & Wt. **4 1/2" 16.60**
Wt. Pipe **None**
I.D. of DC **2 1/4"**
Length of DC **510'**
Total Depth **5400'**
Type Test **Inflate Straddle**
Interval **4534' - 4630'**

Mud Type **--**
Weight **9.2**
Viscosity **57**
Water Loss **--**
Filter Cake **--**
Resistivity **.7 @ 60 °F**
9,865 Ppm. NaCl
B.H.T. **127 °F**
Co. Rep. **Don Condie**
Tester **Rick Hanson**
Baker Dist. **Gillette WY**

	REPORTED	CORRECTED	
Opened Tool @	06:15		hrs.
Flow No. 1	15	19	min.
Shut-In No. 1	35	27	min.
Flow No. 2	60	58	min.
Shut-In No. 2	60	62	min.
Flow No. 3	None Taken		min.
Shut-In No. 3	"	"	min.

Recorder Type **Kuster K-3**
No. **12775** Cap. **3100** psi
Depth **4545** feet
Inside _____ Clock _____
Outside **X** Range **12** hrs.

Initial Hydrostatic	A	2348.3
Final Hydrostatic	K	2305.9
Initial Flow	B	105.0
Final Initial Flow	C	304.6
Initial Shut-In	D	1174.5
Second Initial Flow	E	307.9
Second Final Flow	F	570.2
Second Shut-In	G	1162.0
Third Initial Flow	H	
Third Final Flow	I	
Third Shut-In	J	



Pipe Recovery:

1270' Total fluid = 13.29 bbl., consisting of:
150' Slightly water cut mud = 2.13 bbl.
240' Slightly mud cut water = 3.41 bbl.
880' Water = 7.75 bbl.

Resistivity:

Top: .66 @ 65°F - .35 @ Res Temp = 9,725 ppm NaCl., 5,912 ppm Cl.
Middle: .33 @ 73°F - .20 @ Res Temp = 18,323 ppm NaCl., 11,139 ppm Cl.
Bottom: .20 @ 78°F - .13 @ Res Temp = 27,729 ppm NaCl., 18,072 ppm Cl.

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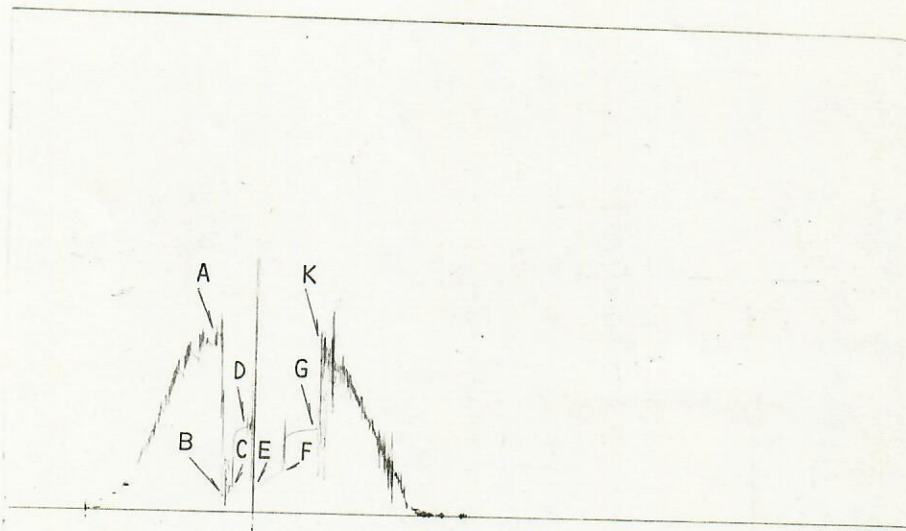
Operator
Ticket No.
DateUNION PACIFIC RESOURCES CO.
127-73526
10/27/88Well Name & No.
Location
County, State#1 WECO HENRY 21B-35
NE/NW S-35 T-15S R-42W
CHEYENNE COUNTY, CODST No.
Interval
Formation3
4534' - 4630'
MORROW

BAKER SERVICE TOOLS

Union Pacific Resources Co.
Operator

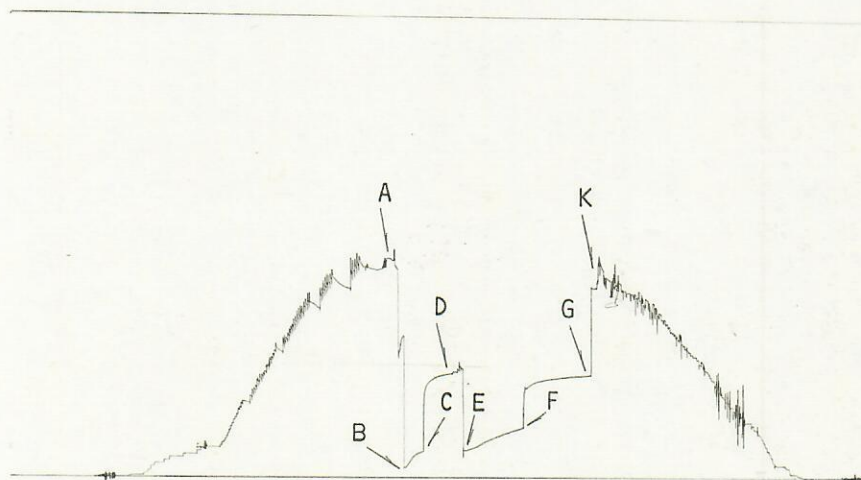
#1 Weco Henry 21B-35
Well Name and No.

3
DST No.



Recorder Type Kuster K-3
No. 21441 Cap. 6450 psi
Depth 4510 feet
Inside X Clock
Outside Range 24 hrs.

Initial Hydrostatic	A	<u>2328.7</u>
Final Hydrostatic	K	<u>2287.3</u>
Initial Flow	B	<u>183.7</u>
Final Initial Flow	C	<u>292.1</u>
Initial Shut-In	D	<u>1165.7</u>
Second Initial Flow	E	<u>306.0</u>
Second Final Flow	F	<u>556.4</u>
Second Shut-In	G	<u>1150.3</u>
Third Initial Flow	H	
Third Final Flow	I	
Third Shut-In	J	



Recorder Type Kuster K-3
No. 18747 Cap. 5150 psi
Depth 4545 feet
Inside
Outside X Clock
Range 12 hrs.

Initial Hydrostatic	A	<u>2348.5</u>
Final Hydrostatic	K	<u>2317.9</u>
Initial Flow	B	<u>98.8</u>
Final Initial Flow	C	<u>280.5</u>
Initial Shut-In	D	<u>1143.9</u>
Second Initial Flow	E	<u>287.9</u>
Second Final Flow	F	<u>537.7</u>
Second Shut-In	G	<u>1126.8</u>
Third Initial Flow	H	
Third Final Flow	I	
Third Shut-In	J	

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BAKER SERVICE TOOLS

SAMPLER REPORT

Company Union Pacific Resources Co. Date 10/27/88
Well Name & No. #1 Weco Henry 21B-35 Ticket No. 127-73526
County Cheyenne State Colorado
Test Interval 4534' - 4630' DST No. 3

Pressure in Sampler: None psig

Total Volume of Sampler: 2300 cc.

Total Volume of Sample: 2300 cc.

Oil: None cc.

Water: 2300 (sulfur water) cc.

Mud: None cc.

Gas: Trace cu. ft.

Other: None

Sample R W: .2 @ 78°F - .13 @ Res Temp = 29,729 ppm NaCl., 18,072 ppm Cl.

Resistivity

Make Up Water 8.0 @ 55 °F of Chloride Content 818 ppm.

Mud Pit Sample .7 @ 60 °F of Chloride Content 9,865 ppm.

Gas/Oil Ratio _____ Gravity _____ °API @ _____ °F

Where was sample drained On location.

Remarks: _____

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SERVICE TOOLS

Union Pacific Resources Co.
Operator

#1 Weco Henry 21B-35
Well Name and No.

3
DST No.

RECORDER NO. 12775 DEPTH 4545 FT.

INITIAL FLOW

<u>DT(MIN)</u>	<u>PRESSURE(PSIG)</u>
0	105.0
5	172.1
10	255.7
15	286.1
19	304.6

RECORDER NO. 12775 DEPTH 4545 FT.

FINAL FLOW

<u>DT(MIN)</u>	<u>PRESSURE(PSIG)</u>
0	307.9
5	319.7
10	348.7
15	377.9
20	405.7
25	430.4
30	454.0
35	477.6
40	500.5
45	521.2
50	540.4
55	559.9
58	570.2

BAKER SERVICE TOOLS

Union Pacific Resources Co.

Operator

#1 Weco Henry 21B-35

Well Name and No.

3

DST No.

RECORDER NO. 12775 DEPTH 4545 FT.

INITIAL SHUT-IN

INITIAL FLOW TIME: T = 19 MIN.

DT(MIN)	LOG((T+DT)/DT)	PRESSURE(PSIG)	DP(P SIG)
0		304.6	0.0
1	1.301	955.6	651.0
2	1.021	1011.5	706.9
3	0.865	1041.7	737.1
4	0.760	1063.3	758.8
5	0.681	1079.4	774.9
6	0.620	1091.9	787.3
7	0.570	1101.6	797.0
8	0.528	1109.2	804.7
9	0.493	1116.7	812.2
10	0.462	1123.2	818.7
12	0.412	1133.6	829.0
14	0.372	1141.7	837.2
16	0.340	1149.9	845.3
18	0.313	1155.7	851.1
20	0.290	1161.0	856.4
22	0.270	1164.7	860.1
24	0.253	1168.8	864.3
26	0.238	1172.8	868.2
27	0.231	1174.5	869.9

EXTRAPOLATED PRESSURE: 1227.0 PSI

SLOPE: 228.2 PSI/LOG CYCLE

POINTS USED: 8

BAKER SERVICE TOOLS

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Well Name and No.

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DST No.

RECORDER NO. 12775 DEPTH 4545 FT.

FINAL SHUT-IN

TOTAL FLOW TIME: T = 77 MIN.

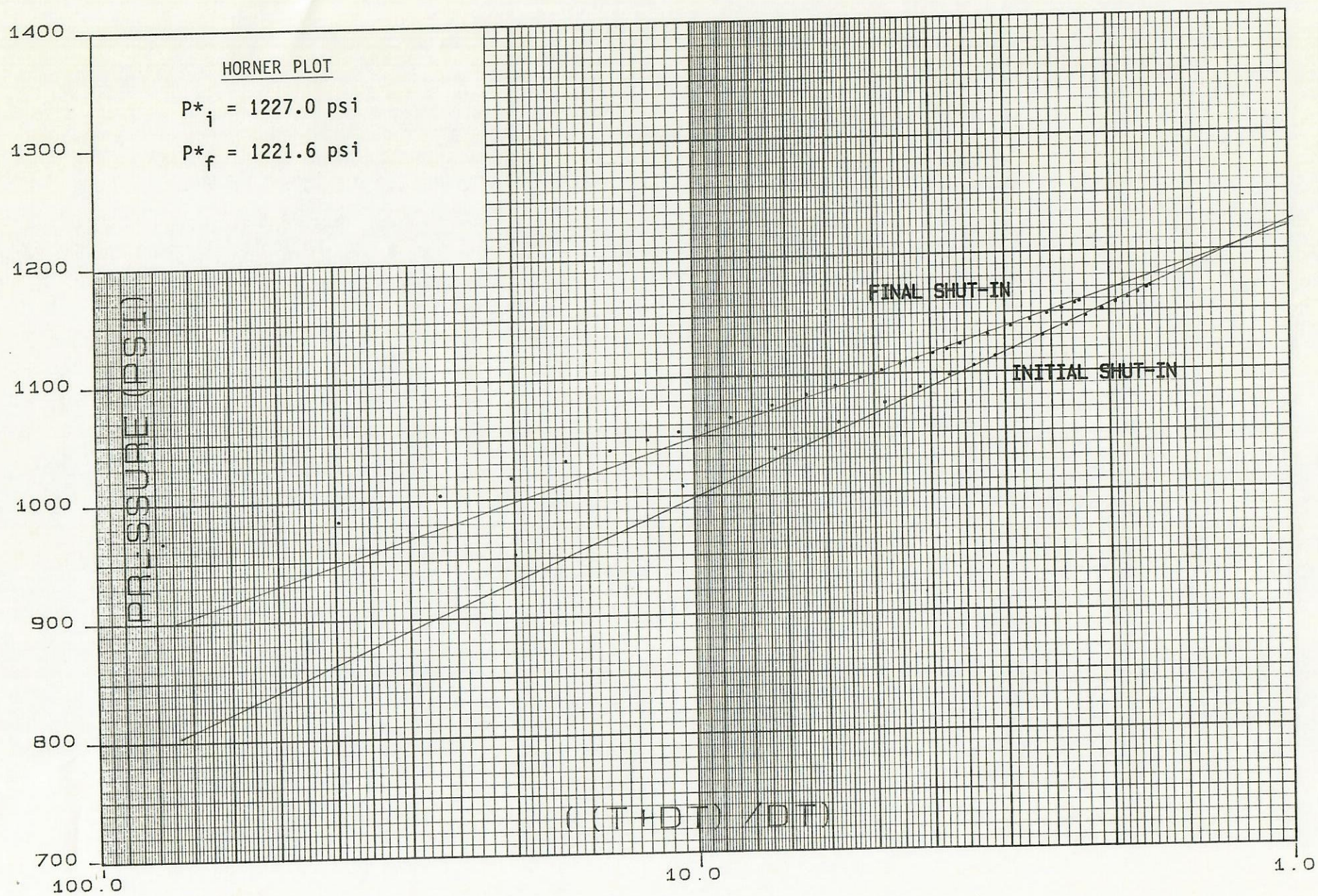
DT(MIN)	LOG((T+DT)/DT)	PRESSURE(P SIG)	DP(P SIG)
0		570.2	0.0
1	1.892	968.8	398.6
2	1.597	985.5	415.3
3	1.426	1006.5	436.3
4	1.306	1020.5	450.3
5	1.215	1034.1	463.9
6	1.141	1042.4	472.2
7	1.079	1050.7	480.5
8	1.026	1056.9	486.7
9	0.980	1062.6	492.4
10	0.940	1068.4	498.2
12	0.870	1078.2	508.0
14	0.813	1086.8	516.5
16	0.764	1094.1	523.9
18	0.722	1100.6	530.4
20	0.686	1106.5	536.3
22	0.653	1111.7	541.5
24	0.624	1115.8	545.6
26	0.598	1119.9	549.7
28	0.574	1123.1	552.9
30	0.552	1127.6	557.4
35	0.505	1135.3	565.1
40	0.466	1141.9	571.7
45	0.433	1147.1	576.9
50	0.405	1152.2	582.0
55	0.380	1156.3	586.1
60	0.359	1160.5	590.3
62	0.351	1162.0	591.8

EXTRAPOLATED PRESSURE: 1221.6 PSI
SLOPE: 171.0 PSI/LOG CYCLE
POINTS USED: 9

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LOG/LOG PLOT

100.0

DELTA (T) (MIN)

10.0

FINAL SHUT-IN

INITIAL SHUT-IN

DELTA (P) (PSI)

1.0

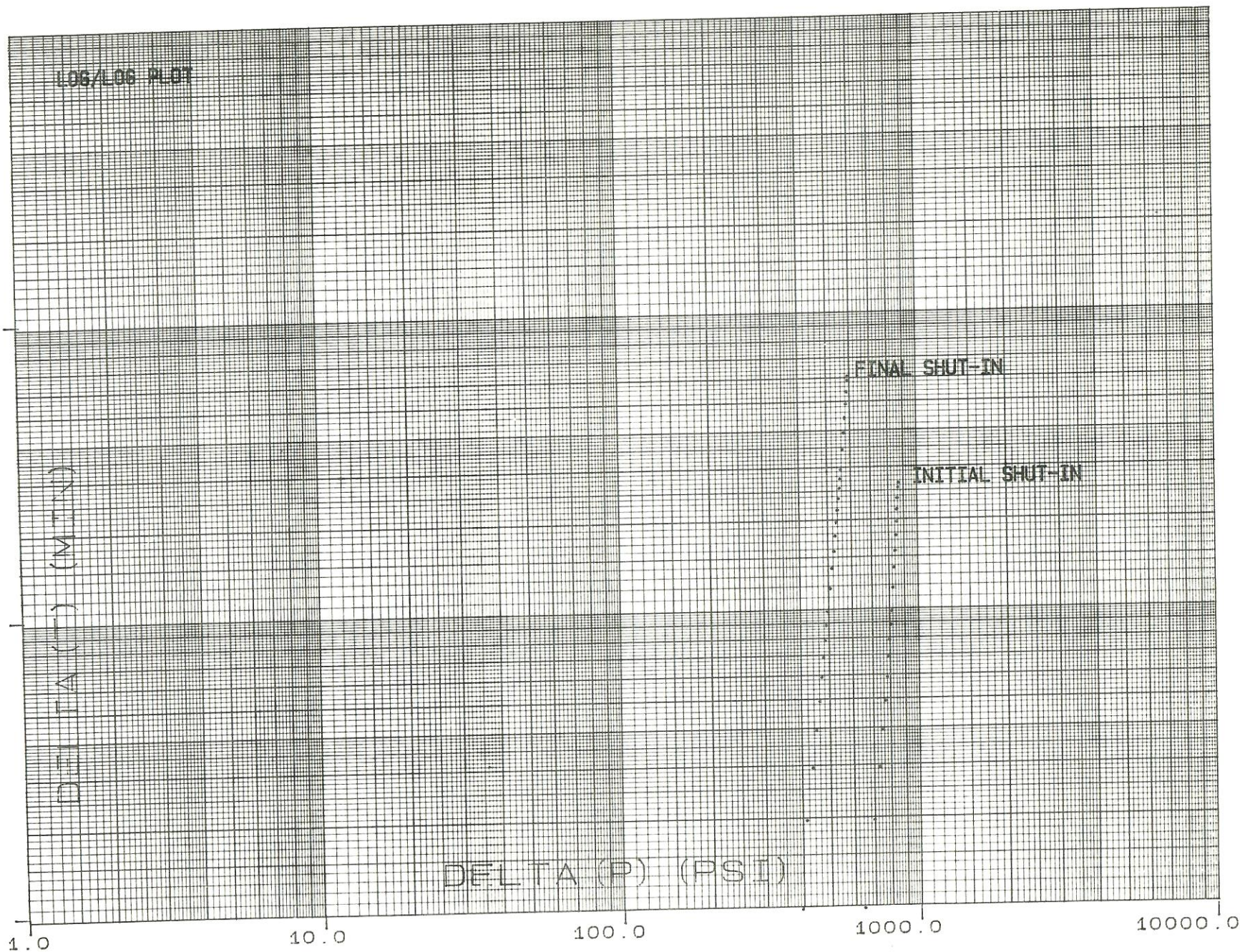
1.0

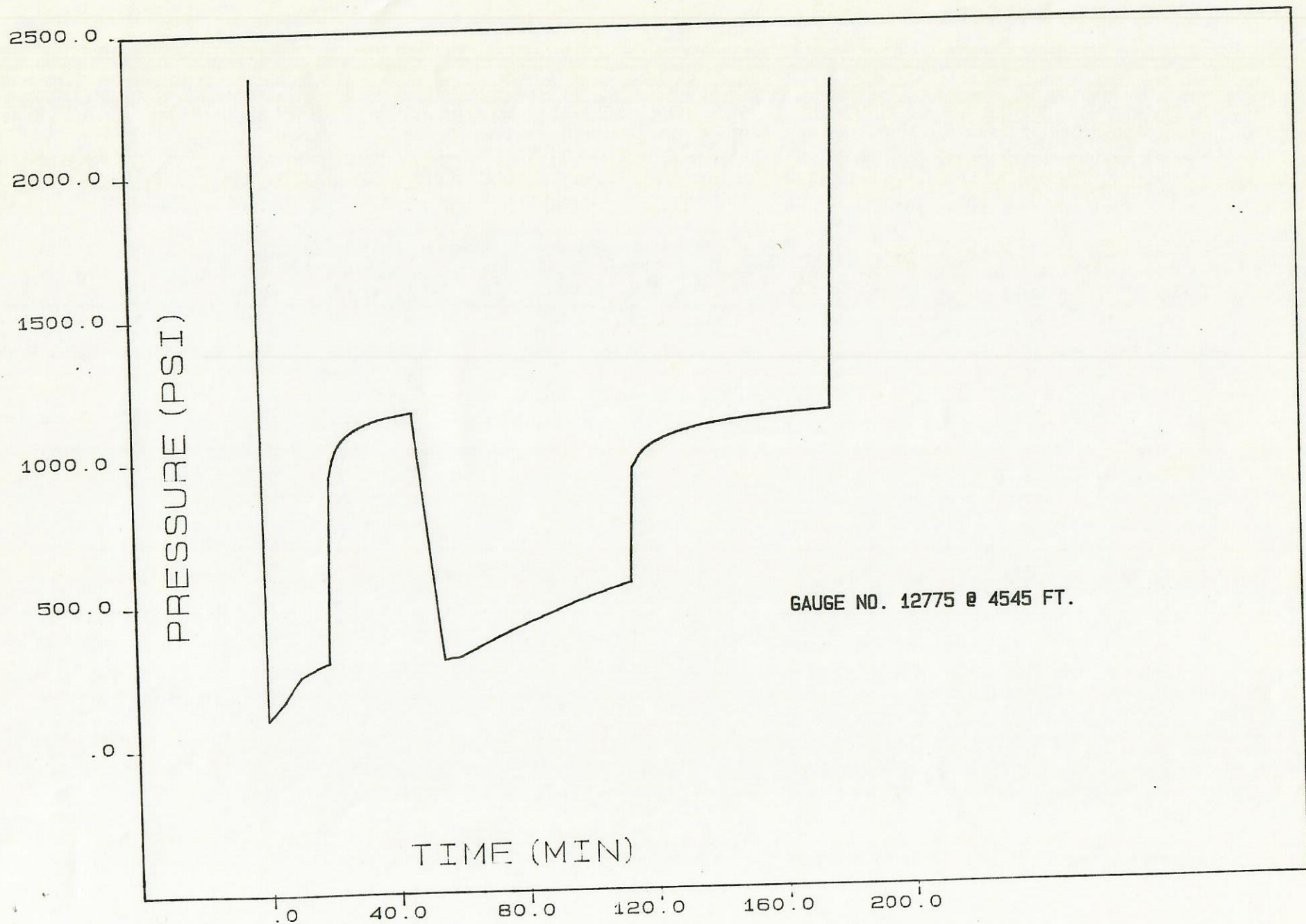
10.0

100.0

1000.0

10000.0





BAKER SERVICE TOOLS

DISTRIBUTION OF FINAL REPORTS

Union Pacific Resources Co.

Operator

#1 Weco Henry 21B-35

Well Name and No.

UNION PACIFIC RESOURCES CO. 1
ATTN CLAIRE BROWN
5800 S QUEBEC STREET
ENGLEWOOD CO 80111

UNION PACIFIC RESOURCES CO. 1
ATTN RECORD CENTER
5800 S QUEBEC STREET
ENGLEWOOD CO 80111

UNION PACIFIC RESOURCES CO. 1
ATTN GEOLOGY
5800 S QUEBEC STREET
ENGLEWOOD CO 80111

UNION PACIFIC RESOURCES CO. 1
ATTN R.A. BUTLEY
5800 S QUEBEC STREET
ENGLEWOOD CO 80111

WOLVERINE EXPLORATION 2
ATTN TIM SMITH
518 17TH STREET #1200
DENVER CO 80202

WOLVERINE EXPLORATION 1
ATTN BURL COX
201 MAIN STREET #400
FT. WORTH TX 76102

BHP PETROLEUM INC. 1
ATTN LEE SHANNON
5613 DTC PKWY. SUITE 600
ENGLEWOOD CO 80111

BHP PETROLEUM INC. 1
ATTN MR. PAUL JORDAN
5613 DTC PKWY. SUITE 600
ENGLEWOOD CO 80111

MULL DRILLING CO. INC. 2
ATTN DALLAS DONNER
P.O. BOX 2758
WICHITA KS 67201

COLO. OIL & GAS COMM. 1
LOGAN TOWER BLDG.
1580 LOGAN ST. SUITE 380
DENVER CO 80203