



00269842

LIBERTY TESTERS, INC.

P.O. Box 1454
Sterling, CO 80751

Contractor Gear Drilling Co.
 Rig No. 3
 Spot 2380' FNL & 600' FWL
 Sec. 4
 Twp. 9 N
 Rng. 53 W
 Field Wildcat
 County Logan
 State Colorado
 Elevation 4141' KB
 Formation "D" Sand

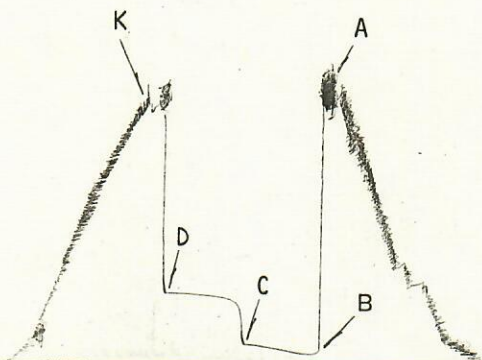
Surface Choke 3/8"
 Bottom Choke 3/4"
 Hole Size 7 7/8"
 Core Hole Size --
 DP Size & Wt. 4 1/2" 16.60
 Wt. Pipe None
 I.D. of DC 2 1/4"
 Length of DC 360'
 Total Depth 5055'
 Type Test Straddle
 Interval 4826' - 4832'

Mud Type --
 Weight 9.5
 Viscosity 71
 Water Loss --
 Filter Cake --
 Resistivity 1.75 @ 88 °F
2,576 Ppm. NaCl
 B.H.T. 141 °F
 Co. Rep. Ray Kincaid
 Tester Derrell Suter

	REPORTED	CORRECTED
Opened Tool @	08:15	hrs.
Flow No. 1	60	59 min.
Shut-In No. 1	60	61 min.
Flow No. 2	None Taken	min.
Shut-In No. 2	"	" min.
Flow No. 3	"	" min.
Shut-In No. 3	"	" min.

Recorder Type Kuster AK-1
 No. 13483 Cap. 7150 psi
 Depth 4842 feet
 Inside Clock
 Outside X Range 12 hrs.

Initial Hydrostatic	A	2464.4
Final Hydrostatic	K	2412.7
Initial Flow	B	124.1
Final Initial Flow	C	183.2
Initial Shut-In	D	663.1
Second Initial Flow	E	
Second Final Flow	F	
Second Shut-In	G	
Third Initial Flow	H	
Third Final Flow	I	
Third Shut-In	J	



Pipe Recovery:

365' Total fluid = 1.84 bbl., consisting of:
 125' Muddy water w/few specks of oil on top = 0.66 bbl.
 240' Water = 1.18 bbl.

Resistivity:

Top: 1.05 @ 55°F - 0.44 @ Res Temp = 6,955 ppm NaCl., 4,228 ppm Cl.
 Middle: 0.95 @ 50°F - 0.36 @ Res Temp = 8,466 ppm NaCl., 5,146 ppm Cl.
 Bottom: 0.95 @ 50°F - 0.36 @ Res Temp = 8,466 ppm NaCl., 5,146 ppm Cl.

1st Flow:

Tool opened with a weak blow, increased to 3" in 30 minutes
 and remained thru flow period.

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COLO. OIL & GAS CONS. COMM

Date 12/28/88

Ticket No. 1839

Operator WESTERN OPERATING CO.

Well Name & No.

SWEDLAND #1 "A"

DST No.

1

Location

S-4 T-9N R-53W

County, State

LOGAN COUNTY, CO

Formation

"D" SAND

Interval

4826' - 4832'

LIBERTY TESTERS, INC.

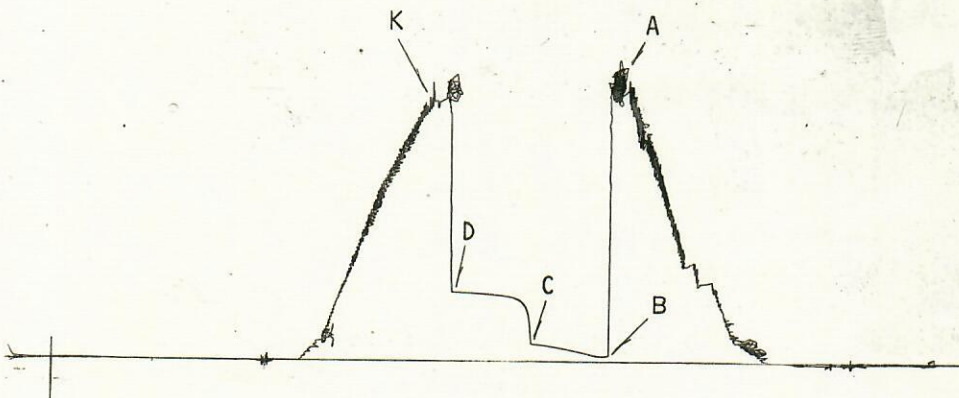
Western Operating Co.
Operator

Swedland #1-"A"
Well Name and No.

1
DST No.

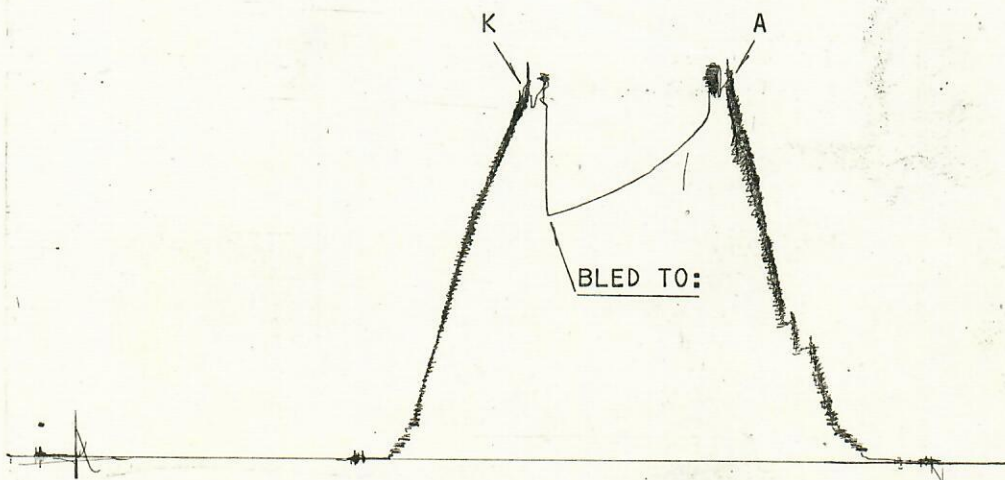
Recorder Type Kuster AK-1
No. 11082 Cap. 6950 psi
Depth 4837 feet
Inside _____ Clock _____
Outside X Range 12 hrs.

Initial Hydrostatic A 2462.4
Final Hydrostatic K 2394.6
Initial Flow B 70.8
Final Initial Flow C 166.7
Initial Shut-In D 646.4
Second Initial Flow E _____
Second Final Flow F _____
Second Shut-In G _____
Third Initial Flow H _____
Third Final Flow I _____
Third Shut-In J _____



Recorder Type Kuster AK-1
No. 11029 Cap. 5050 psi
Depth 4847 feet
Inside _____ Clock _____
Outside X Range 12 hrs.

Initial Hydrostatic A 2476.1
Final Hydrostatic K 2422.9
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 _____



Bled to: 1616.9

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Western Operating Co.
Operator

Swedland #1 "A"
Well Name and No.

1
DST No.

RECORDER NO. 13483 DEPTH 4842 FT.

INITIAL FLOW

<u>DT(MIN)</u>	<u>PRESSURE(P SIG)</u>
0	124.1
5	94.7
10	95.4
15	99.6
20	108.7
25	121.0
30	132.0
35	143.8
40	154.0
45	162.8
50	173.3
55	178.4
59	183.2

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PROD. OIL & GAS CORP.

LIBERTY TESTERS, INC.

Western Operating Co.
Operator

Swedland #1 "A"
Well Name and No.

1
DST No.

RECORDER NO. 13483 DEPTH 4842 FT.

INITIAL SHUT-IN

INITIAL FLOW TIME: T = 59 MIN.

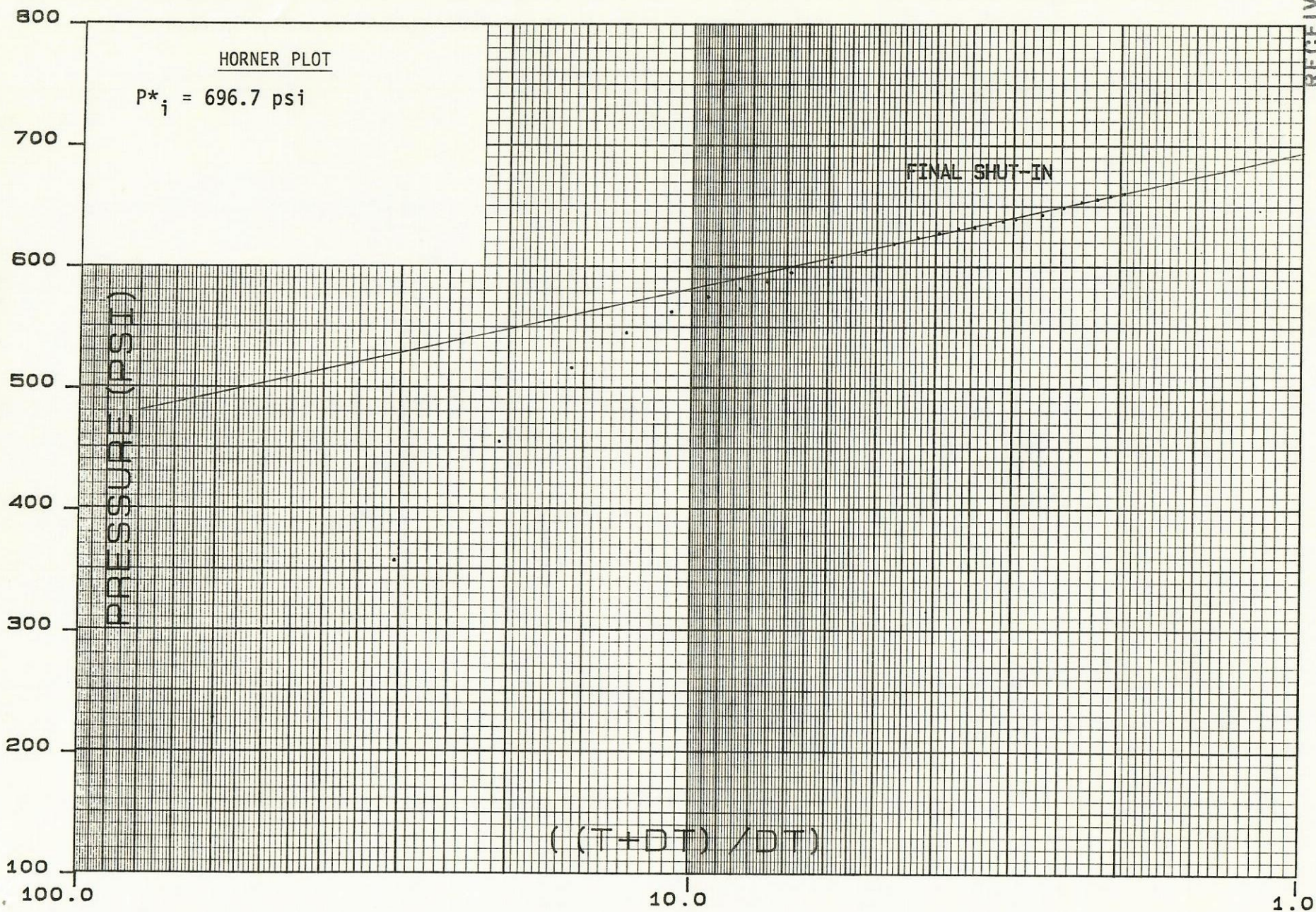
DT(MIN)	LOG((T+DT)/DT)	PRESSURE(PSIG)	DP(P SIG)
0		183.2	0.0
1	1.778	228.8	45.6
2	1.484	358.9	175.7
3	1.315	457.2	274.0
4	1.197	518.3	335.1
5	1.107	547.6	364.4
6	1.035	565.2	382.0
7	0.974	577.5	394.3
8	0.923	584.3	401.0
9	0.878	590.6	407.4
10	0.839	597.9	414.7
12	0.772	606.7	423.5
14	0.717	614.9	431.7
16	0.671	621.5	438.3
18	0.631	626.3	443.1
20	0.597	630.1	446.9
22	0.566	633.8	450.6
24	0.539	635.4	452.2
26	0.514	638.2	455.0
28	0.492	640.5	457.3
30	0.472	642.1	458.8
35	0.429	646.0	462.8
40	0.394	651.9	468.7
45	0.364	656.5	473.3
50	0.338	658.5	475.2
55	0.317	661.1	477.9
60	0.297	663.1	479.8
61	0.294	663.1	479.9

EXTRAPOLATED PRESSURE: 696.7 PSI
SLOPE: 113.7 PSI/LOG CYCLE
POINTS USED: 12

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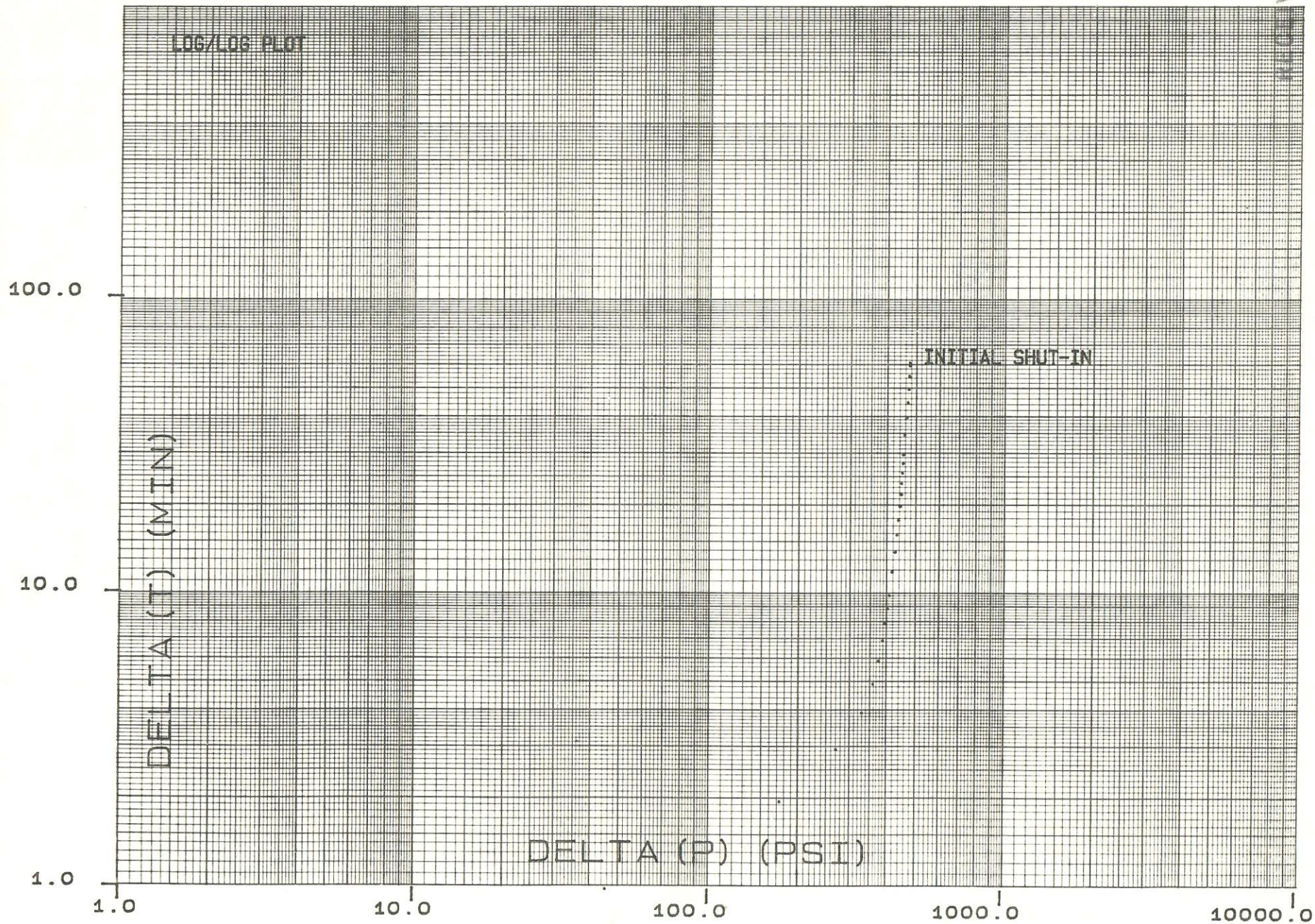
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NO. 011 0 000 0000 0000



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COLO. OIL & GAS CONS. COMM

GAUGE NO. 13483 @ 4842 FT.

2500.0

2000.0

1500.0

1000.0

500.0

.0

PRESSURE (PSI)

TIME (MIN)

.0

20.0

40.0

60.0

80.0

100.0

120.0

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DISTRIBUTION OF FINAL REPORTS

Western Operating Co.
Operator

Swedland #1 "A"
Well Name and No.

Ray W. Kincaid 5
1680 Denver Club Bldg.
Denver CO 80202

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WORLD OIL & GAS CORP. ACCOUNT