

LIBERTY TESTERS, INC.

P.O. Box 1454
Sterling, CO 80751

Contractor Caza Drilling Co.
 Rig No. 1
 Spot 660' FNL & 660' FWL
 Sec. 28
 Twp. 7 N
 Rng. 53 W
 Field Wildcat
 County Logan
 State Colorado
 Elevation 4070' KB
 Formation "J" 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 583'
 Total Depth 4767'
 Type Test Straddle
 Interval 4679' - 4690'

Mud Type --
 Weight 9.7
 Viscosity 86
 Water Loss --
 Filter Cake --
 Resistivity 3.2 @ 61 °F
1,943 Ppm. NaCl
 B.H.T. 137 °F
 Co. Rep. Michael Fuchs
 Tester Derrell Suter

Date

Ticket No.

Operator

CAZA EXPLORATION CO.

1956

10/10/88

County, State

Location

Well Name & No.

STATE #1

S-28 T-7N R-53W

LOGAN COUNTY, CO

Formation

Interval

DST No.

1

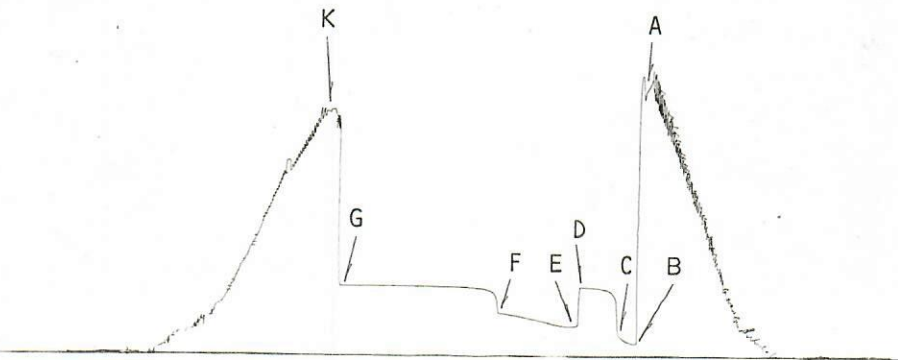
4679' - 4690'

"J" SAND

	REPORTED	CORRECTED
Opened Tool @	18:15	hrs.
Flow No. 1	15	15 min.
Shut-In No. 1	30	28 min.
Flow No. 2	60	60 min.
Shut-In No. 2	120	120 min.
Flow No. 3	None Taken	min.
Shut-In No. 3	"	" min.

Recorder Type Kuster AK-1
 No. 13483 Cap. 7150 psi
 Depth 4698 feet
 Inside Clock
 Outside X Range 12 hrs.

Initial Hydrostatic	A	2471.5
Final Hydrostatic	K	2294.4
Initial Flow	B	125.3
Final Initial Flow	C	199.2
Initial Shut-In	D	664.4
Second Initial Flow	E	292.4
Second Final Flow	F	402.1
Second Shut-In	G	670.8
Third Initial Flow	H	
Third Final Flow	I	
Third Shut-In	J	



Pipe Recovery:

912' Total fluid = 7.52 bbl., consisting of:
 120' Muddy water = 1.70 bbl.
 792' Water = 5.82 bbl.

Resistivity:

Top: 4.1 @ 75°F - 2.35 @ Res Temp = 1,229 ppm NaCl., 747 ppm Cl.
 Middle: 3.0 @ 70°F - 1.60 @ Res Temp = 1,824 ppm NaCl., 1,109 ppm Cl.
 Bottom: 2.9 @ 65°F - 1.45 @ Res Temp = 2,029 ppm NaCl., 1,233 ppm Cl.

1st Flow:

Tool opened with a weak blow, increased to bottom of bucket in 8 minutes with 7.5 oz and to 10.0 oz at end of flow period.

2nd Flow:

Tool opened with a weak blow, slowly increased to bottom of bucket in 25 minutes with 7.5 oz, 9.0 oz in 30 minutes; began to decrease after 35 minutes to 7.0 oz at end of flow period.

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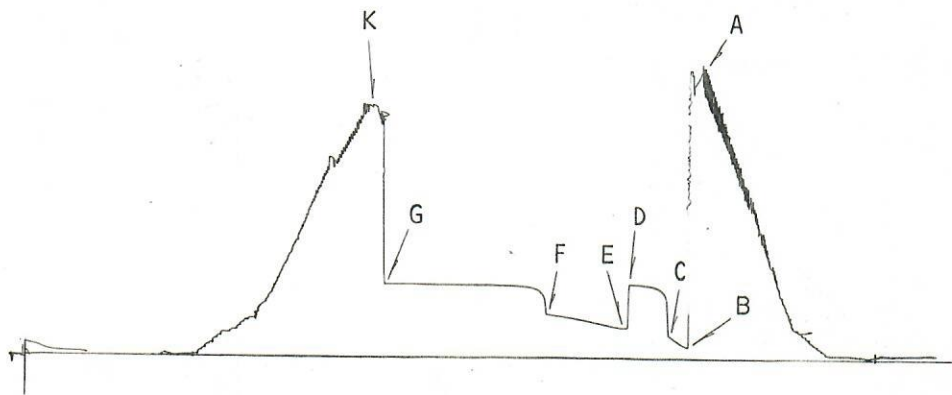
Caza Exploration Co.
Operator

State #1
Well Name and No.

1
DST No.

Recorder Type Kuster AK-1
No. 11082 Cap. 6950 psi
Depth 4685 feet
Inside X Clock
Outside Range 12 hrs.

Initial Hydrostatic A 2489.2
Final Hydrostatic K 2292.8
Initial Flow B 102.1
Final Initial Flow C 204.6
Initial Shut-In D 673.3
Second Initial Flow E 277.7
Second Final Flow F 404.9
Second Shut-In G 669.3
Third Initial Flow H _____
Third Final Flow I _____
Third Shut-In J _____



Recorder Type Kuster AK-1
No. 11029 Cap. 5050 psi
Depth 4702 feet
Inside _____ Clock
Outside X Range 12 hrs.

Initial Hydrostatic A 2452.4
Final Hydrostatic K 2274.6
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: 1062.9

BLED TO:

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SAMPLER REPORT

Company Caza Exploration Co. Date 10/10/88
Well Name & No. State #1 Ticket No. 1956
County Logan State Colorado
Test Interval 4679' - 4690' DST No. 1

Pressure in Sampler: None _____ psig

Total Volume of Sampler: 2000 _____ cc.

Total Volume of Sample: 2000 _____ cc.

Oil: None _____ cc.

Water: 2000 _____ cc.

Mud: None _____ cc.

Gas: None _____ cu. ft.

Other: None _____

Sample R W: 2.8 @ 65°F - 1.40 @ Res Temp = 2,105 ppm NaCl., 1,280 ppm Cl.

Resistivity

Make Up Water _____ @ _____ °F of Chloride Content _____ ppm.

Mud Pit Sample filtrate 3.2 @ 61 °F of Chloride Content 1,943 ppm.

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

Where was sample drained On location.

Remarks: _____

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Operator

State #1
Well Name and No.

1
DST No.

RECORDER NO. 13483 DEPTH 4698 FT.

INITIAL FLOW

DT(MIN) PRESSURE(PSIG)

0	125.3
5	127.6
10	156.7
15	199.2

RECORDER NO. 13483 DEPTH 4698 FT.

FINAL FLOW

DT(MIN) PRESSURE(PSIG)

0	292.4
5	280.4
10	284.0
15	293.2
20	306.0
25	321.8
30	334.6
35	347.0
40	359.3
45	372.1
50	381.6
55	390.8
60	402.1

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LIBERTY TESTERS, INC.

Caza Exploration Co.
Operator

State #1
Well Name and No.

1
DST No.

RECORDER NO. 13483 DEPTH 4698 FT.

INITIAL SHUT-IN

INITIAL FLOW TIME: T = 15 MIN.

DT(MIN)	LOG((T+DT)/DT)	PRESSURE(PSIG)	DP(P SIG)
0		199.2	0.0
1	1.204	528.6	329.3
2	0.929	579.5	380.3
3	0.778	597.6	398.4
4	0.677	610.6	411.4
5	0.602	622.0	422.8
6	0.544	628.4	429.2
7	0.497	633.8	434.6
8	0.459	638.4	439.2
9	0.426	641.0	441.7
10	0.398	645.0	445.7
12	0.352	649.9	450.7
14	0.316	653.1	453.8
16	0.287	656.6	457.4
18	0.263	658.5	459.3
20	0.243	660.6	461.3
22	0.226	661.4	462.1
24	0.211	662.6	463.3
26	0.198	663.7	464.5
28	0.186	664.4	465.1

EXTRAPOLATED PRESSURE: 678.9 PSI
SLOPE: 77.2 PSI/LOG CYCLE
POINTS USED: 7

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Caza Exploration Co.
Operator

State #1
Well Name and No.

1
DST No.

RECORDER NO. 13483 DEPTH 4698 FT.

FINAL SHUT-IN

TOTAL FLOW TIME: T = 75 MIN.

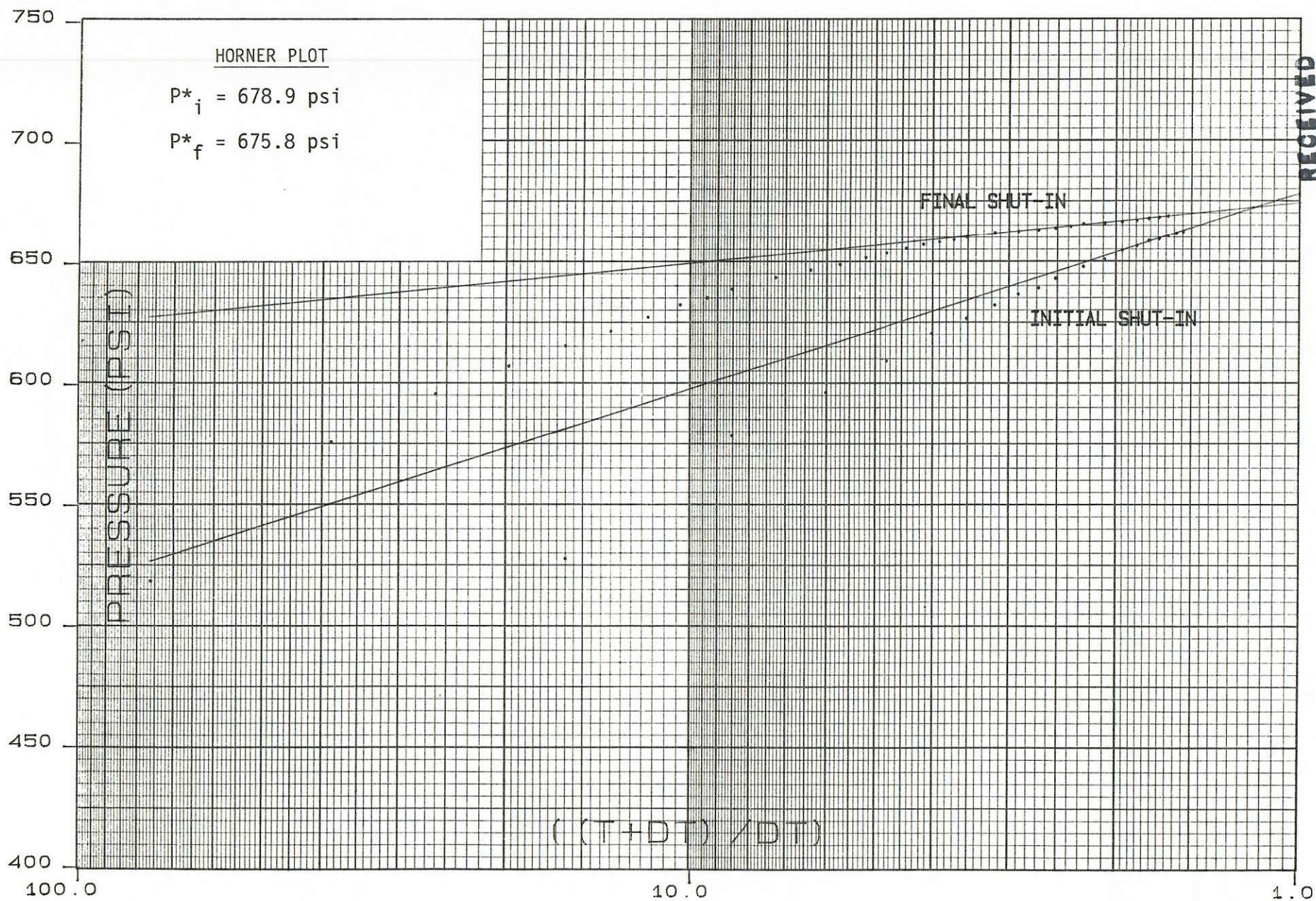
DT(MIN)	LOG((T+DT)/DT)	PRESSURE(PSIG)	DP(P SIG)
0		402.1	0.0
1	1.881	519.0	116.9
2	1.585	576.7	174.6
3	1.415	596.7	194.6
4	1.296	608.3	206.2
5	1.204	616.6	214.6
6	1.130	622.8	220.7
7	1.069	628.6	226.5
8	1.016	633.7	231.6
9	0.970	636.6	234.6
10	0.929	640.3	238.2
12	0.860	645.1	243.0
14	0.803	648.2	246.1
16	0.755	650.7	248.6
18	0.713	653.5	251.4
20	0.677	655.4	253.3
22	0.644	657.3	255.2
24	0.615	659.0	256.9
26	0.589	660.0	257.9
28	0.566	660.8	258.7
30	0.544	662.1	260.0
35	0.497	663.8	261.7
40	0.459	664.4	262.3
45	0.426	665.0	262.9
50	0.398	665.8	263.7
55	0.374	666.6	264.5
60	0.352	667.5	265.4
70	0.316	668.0	265.9
80	0.287	668.5	266.4
90	0.263	669.2	267.1
100	0.243	669.8	267.7
110	0.226	670.3	268.2
120	0.211	670.8	268.7

EXTRAPOLATED PRESSURE: 675.8 PSI
SLOPE: 24.7 PSI/LOG CYCLE
POINTS USED: 12

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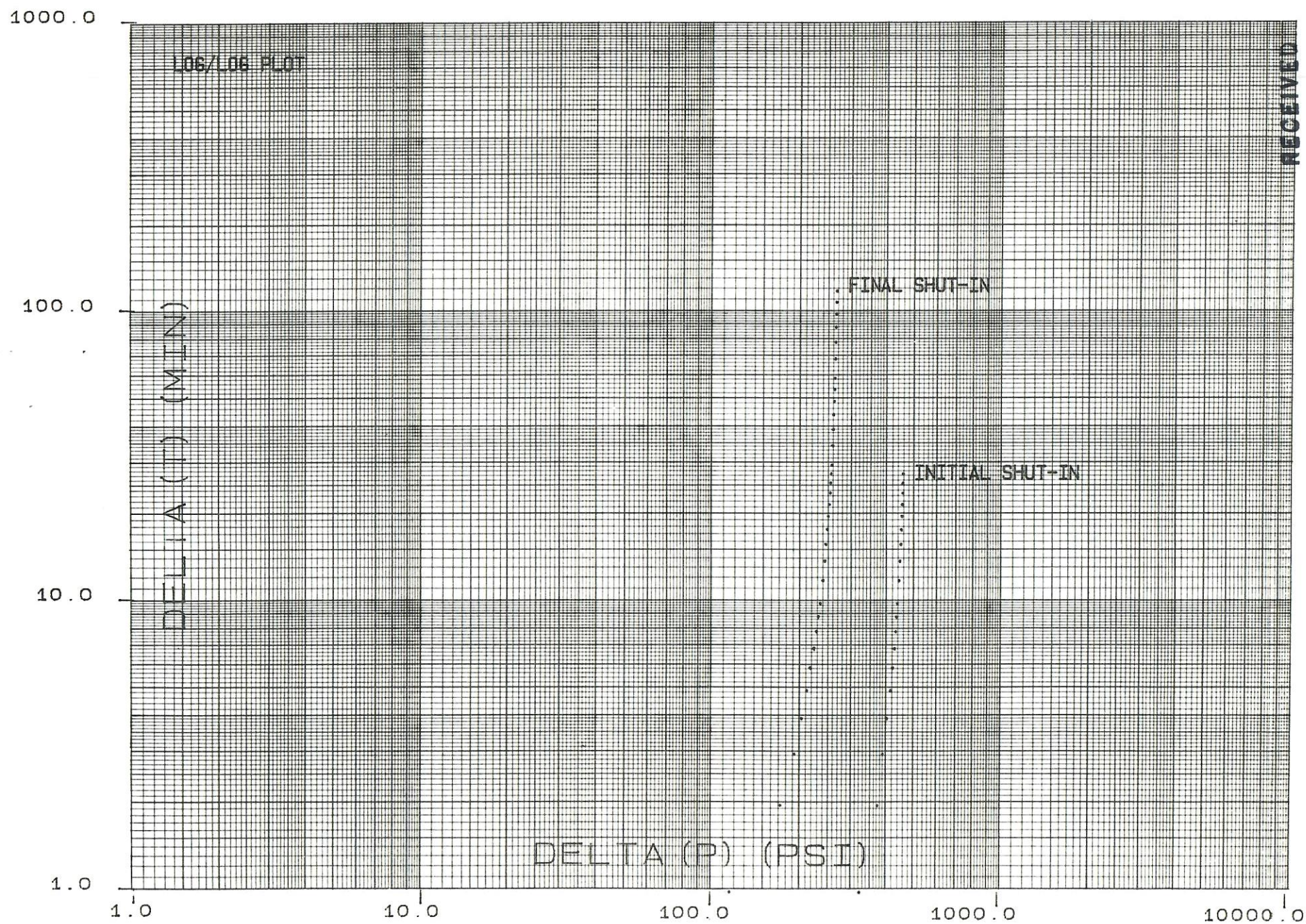
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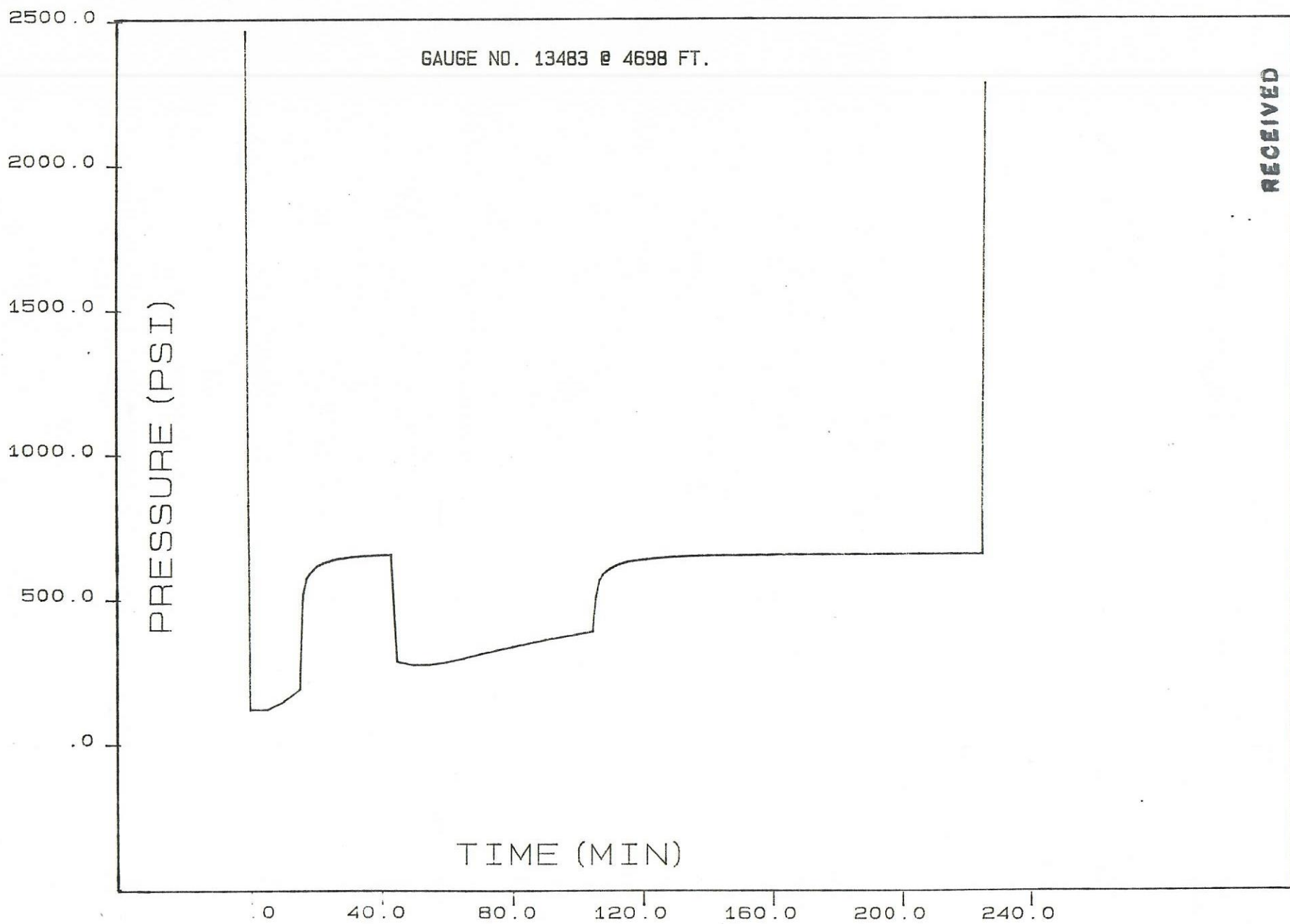
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COLORADO OIL & GAS CONS. COM.

LIBERTY TESTERS, INC.

DISTRIBUTION OF FINAL REPORTS

Caza Exploration Co.

Operator

State #1

Well Name and No.

CAZA EXPLORATION CO. 2
ATTN MR. MIKE ASHER
P.O. BOX 17805
DENVER CO 80217 T.A.

EVANS ENERGY 1
410-17TH ST. SUITE 2120
DENVER CO 80202

R.G.O. 87 PARTNERS 1
30416 SALEM DR.
BAY VILLAGE OH 44140

GREENRIDGE ENERGY GROUP INC. 1
700 SMALLWOOD RD.
ROCKVILLE MD 20850

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