



01517539

PICK TESTERS

RECEIVED

OCT 16 1986

Box 341
Sterling, CO 80751

Contractor Gear Drilling Co.
 Rig No. 2
 Spot SE/NE
 Sec. 26
 Twp. 9 N
 Rng. 53 W
 Field Wildcat
 County Logan
 State Colorado
 Elevation 4170' KB
 Formation "J" Sand

Surface Choke 1"
 Bottom Choke 3/4"
 Hole Size 7 7/8"
 Core Hole Size --
 DP Size & Wt. 4 1/2" XH 16.60
 Wt. Pipe None
 I.D. of DC 2 1/4"
 Length of DC 345'
 Total Depth 4915'
 Type Test Conventional
 Interval 4894'- 4915'

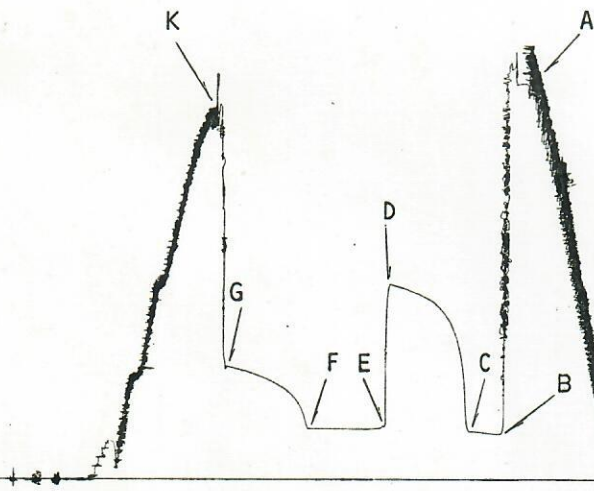
COLO. OIL & GAS CONS. COMM

Mud Type Chemical/Gel
 Weight 9.6
 Viscosity 95
 Water Loss --
 Filter Cake --
 Resistivity 2.8 @ 70 OF
1,961 Ppm. NaCl
 B.H.T. 150 OF
 Co. Rep. Joe Cardoso
Ken Fowler
 Tester David Pickering

	REPORTED	CORRECTED
Opened Tool @	21:26	hrs.
Flow No. 1	30	25 min.
Shut-in No. 1	60	60 min.
Flow No. 2	60	59 min.
Shut-in No. 2	60	61 min.
Flow No. 3	None Taken	min.
Shut-in No. 3	" "	min.

Recorder Type Kuster AK-1
 No. 13338 Cap. 4950 psi
 Depth 4907 feet
 Inside Outside X

Initial Hydrostatic	A	2507.3
Final Hydrostatic	K	2384.3
Initial Flow	B	294.7
Final Initial Flow	C	306.2
Initial Shut-in	D	1241.4
Second Initial Flow	E	343.9
Second Final Flow	F	324.3
Second Shut-in	G	720.1
Third Initial Flow	H	
Third Final Flow	I	
Third Shut-in	J	



Pipe Recovery: 539' Heavy drilling mud w/slight trace of gas = 4.45 bbl.

Resistivity:
 Top: 3.0 @ 78°F - 1.62 @ Res Temp = 1,643 ppm NaCl., 999 ppm Cl.
 Middle: 1.2 @ 76°F - 0.63 @ Res Temp = 4,426 ppm NaCl., 2,691 ppm Cl.
 Bottom: 2.8 @ 76°F - 1.48 @ Res Temp = 1,812 ppm NaCl., 1,101 ppm Cl.

1st Flow: Tool opened with a 1" blow, increased to a good blow (6.0 oz) off bottom of bucket in 30 seconds and remained through flow period.

2nd Flow: Tool opened with a slight blow, increased to 1/2" in 10 minutes and remained through flow period.

Operator
Ticket No.MARSHALL & WINSTON, INC.
1181
10/11/86Well Name & No.
Location
County, StateWHITTIER #26-1
SE/NE S-26 T-9N R-53W
LOGAN, COLORADODST No.
Interval
Formation1
4894' - 4915'
"J" SAND

PICK TESTERS

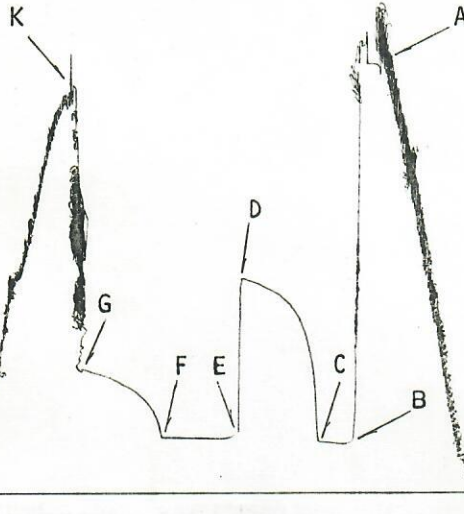
Marshall & Winston, Inc.
Operator

Whittier #26-1
Well Name and No.

1
DST No.

Recorder Type Kuster AK-1
No. 13617 Cap. 4550 psi
Depth 4888 feet
Inside X Outside

Initial Hydrostatic A 2512.3
Final Hydrostatic K 2381.4
Initial Flow B 304.2
Final Initial Flow C 296.6
Initial Shut-in D 1243.2
Second Initial Flow E 351.4
Second Final Flow F 319.2
Second Shut-in G 713.7
Third Initial Flow H _____
Third Final Flow I _____
Third Shut-in J _____



Recorder Type _____
No. _____ Cap. _____ psi
Depth _____ feet
Inside Outside

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 _____

PICK TESTERS

SAMPLER REPORT

Company Marshall & Winston, Inc. Date 10/11/86
Well Name & No. Whittier, #26-1 Ticket No. 1181
County Logan State Colorado
Test Interval 4894'- 4915' DST No. 1

Pressure in Sampler: None psig
Total Volume of Sampler: 2150 cc.
Total Volume of Sample: 2100 cc.
Oil: None cc.
Water: None cc.
Mud: 2100 cc.
Gas: Trace cu. ft.
Other: None

Sample R W: 1.05 @ 60°F - .64 @ Res Temp = 4,387 ppm NaCl., 2,667 ppm Cl.

Resistivity

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

Mud Pit Sample 2.8 @ 70 °F of Chloride Content 1,961 ppm.

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

Where was sample drained On location.

Remarks: _____

PICK TESTERS

Marshall & Winston, Inc.
Operator

Whittier #26-1
Well Name and No.

1
DST No.

RECORDER NO. 13338 DEPTH 4907 FT.

INITIAL FLOW

<u>DT(MIN)</u>	<u>PRESSURE(PSIG)</u>
0	294.7
5	287.2
10	293.7
15	298.7
20	302.8
25	306.2

RECORDER NO. 13338 DEPTH 4907 FT.

FINAL FLOW

<u>DT(MIN)</u>	<u>PRESSURE(PSIG)</u>
0	343.9
5	325.7
10	320.8
15	320.3
20	320.5
25	321.3
30	322.3
35	322.6
40	323.6
45	323.9
50	323.9
55	324.1
59	324.3

PICK TESTERS

Marshall & Winston, Inc.
Operator

Whittier #26-1
Well Name and No.

1
DST No.

RECORDER NO. 13338 DEPTH 4907 FT.

INITIAL SHUT-IN

INITIAL FLOW TIME: T = 25 MIN.

DT(MIN)	LOG((T+DT)/DT)	PRESSURE(PSIG)	DP(PSIG)
0		306.2	0.0
1	1.415	318.6	12.4
2	1.130	358.6	52.3
3	.970	523.0	216.8
4	.860	670.6	364.4
5	.778	735.7	429.5
6	.713	793.2	487.0
7	.660	833.2	527.0
8	.615	870.5	564.3
9	.577	901.2	595.0
10	.544	927.1	620.8
12	.489	969.2	662.9
14	.445	1008.5	702.2
16	.409	1031.9	725.7
18	.378	1058.7	752.4
20	.352	1077.9	771.7
22	.330	1096.9	790.7
24	.310	1115.4	809.1
26	.293	1128.7	822.5
28	.277	1139.8	833.5
30	.263	1149.0	842.7
35	.234	1168.2	862.0
40	.211	1187.0	880.8
45	.192	1206.1	899.9
50	.176	1220.2	914.0
55	.163	1231.6	925.4
60	.151	1241.4	935.2

EXTRAPOLATED PRESSURE: •1359.2 PSI
SLOPE: 795.4 PSI/LOG CYCLE
POINTS USED: 16

PICK TESTERS

Marshall & Winston, Inc.

Operator

Whittier #26-1

Well Name and No.

1

DST No.

RECORDER NO. 13338 DEPTH 4907 FT.

FINAL SHUT-IN

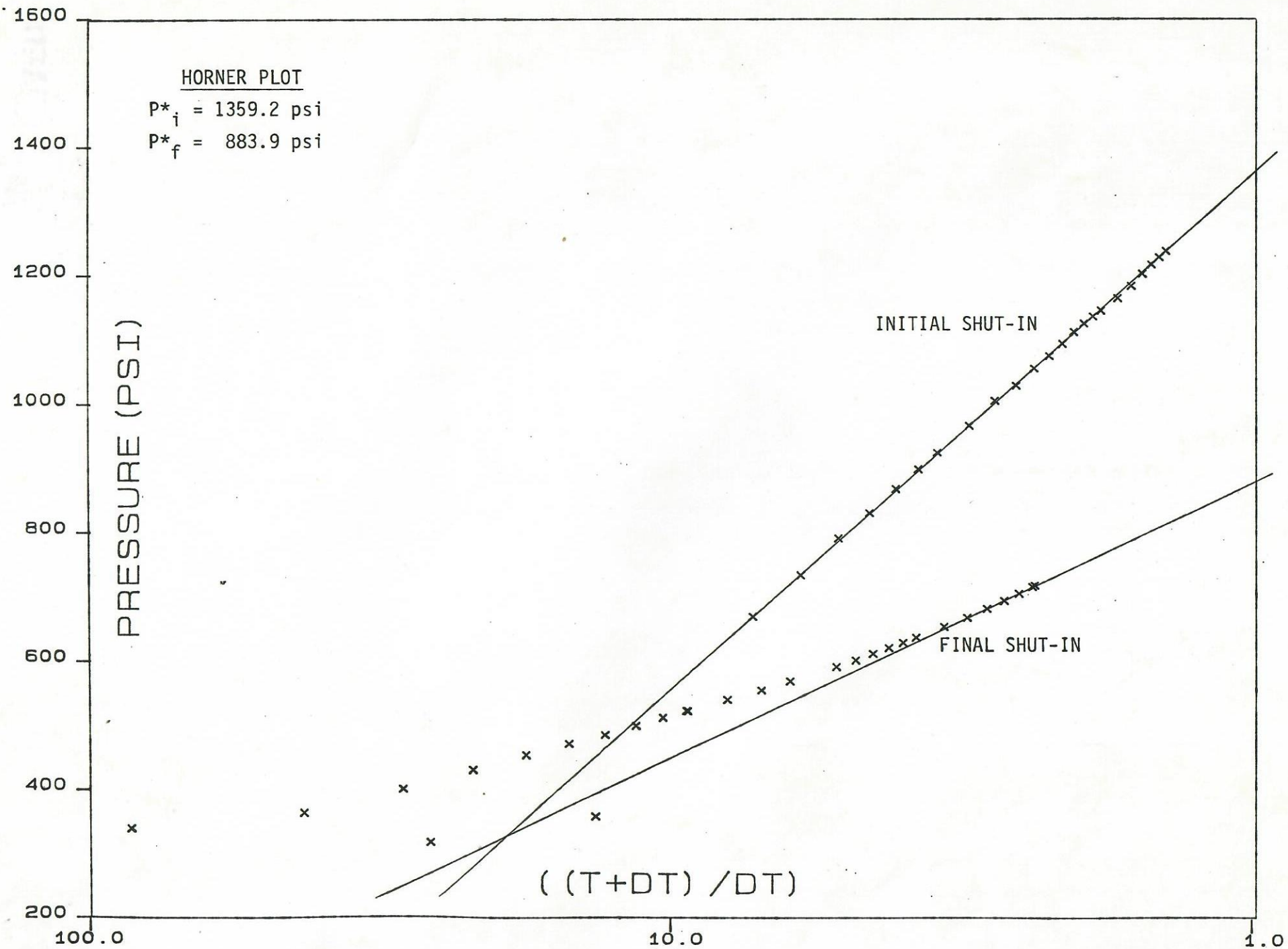
TOTAL FLOW TIME: T = 84 MIN.

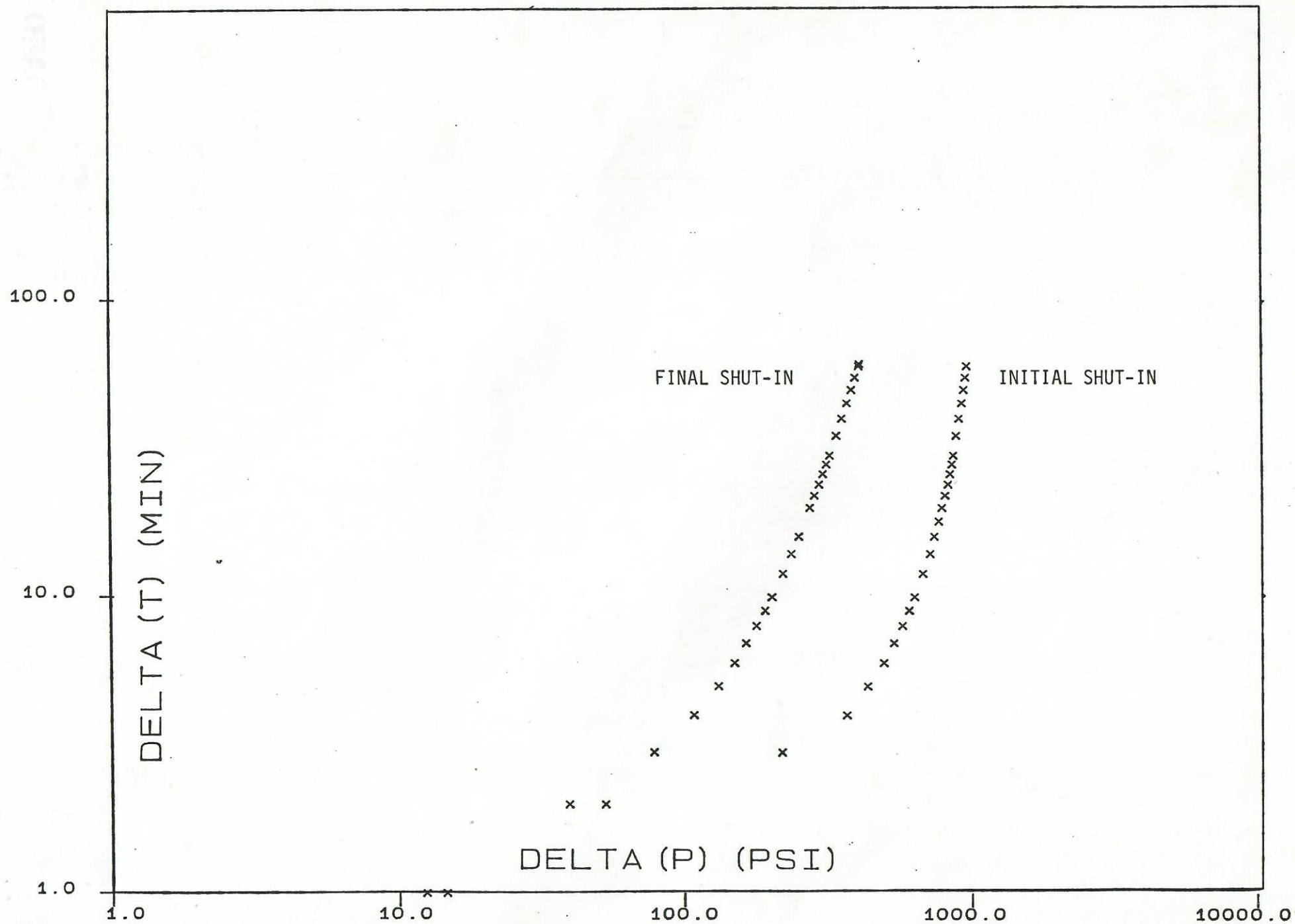
DT(MIN)	LOG((T+DT)/DT)	PRESSURE(PSIG)	DP(P SIG)
0		324.3	0.0
1	1.929	338.9	14.6
2	1.633	363.4	39.1
3	1.462	401.7	77.5
4	1.342	431.2	106.9
5	1.250	454.2	129.9
6	1.176	471.8	147.5
7	1.114	485.9	161.6
8	1.061	499.9	175.6
9	1.014	512.6	188.3
10	.973	523.2	198.9
12	.903	541.2	217.0
14	.845	556.2	231.9
16	.796	570.5	246.2
20	.716	593.0	268.7
22	.683	602.9	278.6
24	.653	613.4	289.1
26	.626	622.4	298.1
28	.602	630.5	306.2
30	.580	638.7	314.4
35	.531	655.6	331.3
40	.491	669.8	345.5
45	.457	684.0	359.7
50	.428	696.5	372.2
55	.403	707.5	383.2
60	.380	718.2	393.9
61	.376	720.1	395.8

EXTRAPOLATED PRESSURE: 883.9 PSI

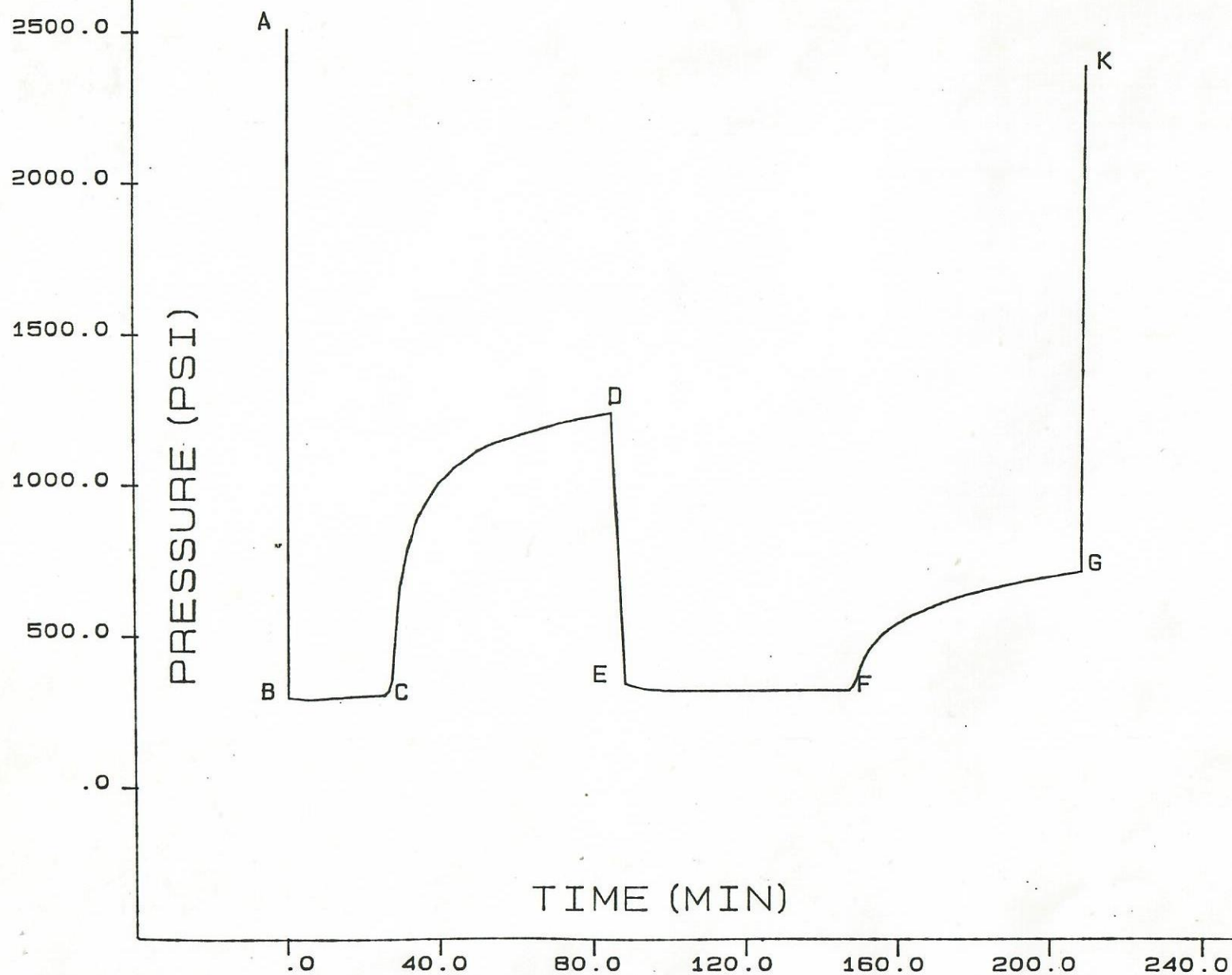
SLOPE: 436.7 PSI/LOG CYCLE

POINTS USED: 6





GAUGE NO. 13338 @ 4907 FT.



PICK TESTERS

DISTRIBUTION OF FINAL REPORTS

Marshall & Winston, Inc.

Operator

Whittier #26-1

Well Name and No.

MARSHALL & WINSTON INC. 3
10 DESTA DRIVE 310 W. TOWER
MIDLAND TX 79705

VICTORY OIL CO. 1
3071 SO. FULTON COURT
DENVER CO 80231

MOUNTAIN STAR ENERGY 1
1380 LAWRENCE SUITE 1104
DENVER CO 80204

BRANDLY OILMAN CONSULTANTS 1
1333 W. 120TH AVE. SUITE 306
DENVER CO 80234

W D ANDERSON & SONS 1
1801 FIRST NATIONAL BANK BLDG.
MIDLAND TX 79701

MWJ PRODUCING CO. 1
ATTN MR. KEN WILLIAMS
1804 FIRST NATIONAL BANK BLDG.
MIDLAND TX 79701

OIL & GAS CONSERVATION COMM. 1
1580 LOGAN ST. SUITE 380
DENVER CO 80203

GOOLSBY BROTHERS & ASSOCIATES INC. 1
ATTN MATT GOOLSBY
323 SO. VAUGHN WAY
AURORA CO 80210