

Phone
(806) 637-3678

Harvill's Drill Stem Testing

P.O. Box 725
Brownfield, Texas 79316

Contractor ZIA Drilling
Rig No. 7
Spot 760' FSL & 1750' FEL
Sec. 5
Twp. 17 S
Rng. 36 E
Field Wildcat
County Lea
State New Mexico
Elevation 3907' KB

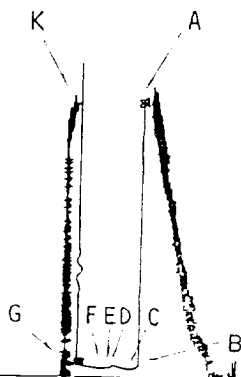
Surface Choke 1/8"
Bottom Choke 5/8"
Hole Size 7 7/8"
Rat Hole Size --
DP Size & Weight 4 1/2" 16.60
Wt. Pipe None
I.D. of DC 2 1/4"
Length of DC 854'
Total Depth 6300'
Type of Test Conventional

Mud Type Fresh Water
Weight 8.5
Viscosity 29
Water Loss 18.6
Filter Cake Film
Resistivity -- @ -- of -- Ppm. Cl
Bottom
Hole Temp. 108° F

Opened Tool @ 11:00 hrs.
Flow No. 1 (15) 15* min.
Shut-in No. 1 (30) 24* min.
Flow No. 2 (15) 15* min.
Shut-in No. 2 (30) 38* min.
Flow No. 3 None Taken min.
Shut-in No. 3 " " min.
*Computed

Recorder Type Kuster AK-1
No. 13750 Cap. 7900 psi
Depth 6295 feet
Inside [] Outside [X]

Initial Hydrostatic	A	<u>2751.7</u>
Final Hydrostatic	K	<u>2773.8</u>
Initial Flow	B	<u>107.2</u>
Final Initial Flow	C	<u>75.3</u>
Initial Shut-in	D	<u>110.6</u>
Second Initial Flow	E	<u>101.4</u>
Second Final Flow	F	<u>82.6</u>
Second Shut-in	G	<u>110.8</u>
Third Initial Flow	H	
Third Final Flow	I	
Third Shut-in	J	



Pipe Recovery: 68' Drilling fluid = 0.33 bbl.
Recovery: 20,000 ppm Cl.

Co. Rep. Gene Lee
Tester Eugene Harvill

1st Flow: Tool opened with a weak blow and remained thru flow period.
2nd Flow: Tool opened with a weak blow and remained thru flow period.

Address Millanville
SEE DISTRIBUTION

5-17-86

Formation
Test Interval

GLORIETTA
6211' - 6300'

Ticket No.
Date

328
5/12/90

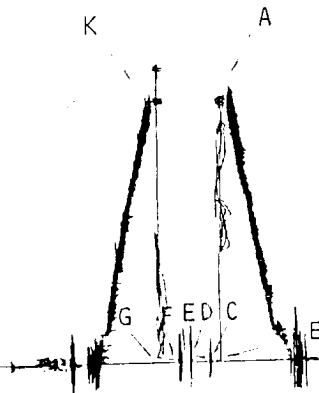
Ticket

Harvill's Drill Stem Testing

Mallon Oil Co.
Operator

Mobil "5" State #1
Well Name and No.

1
DST No.



Inside Recorder

PRD Make Kuster AK-1
No. 13571 Cap. 8000 @ 6195

Press	Correcte
Initial Hydrostatic A	2722.
Final Hydrostatic K	2736.
Initial Flow B	14.
Final Initial Flow C	5.
Initial Shut-in D	85.
Second Initial Flow E	50.
Second Final Flow F	51.
Second Shut-in G	50.
Third Initial Flow H	
Third Final Flow I	
Third Shut-in J	

PRD Make _____
No. _____ Cap. _____ @ _____

Press	Correcte
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	

Harvill's Drill Stem Testing

Sampler Report

Company Mallon Oil Co. Date 5/12/90
Well Name & No. Mobil "5" State #1 Ticket No. 328
County Lea State New Mexico
Test Interval 6211' - 6300' DST No. 1

Total Volume of Sampler: 2250 cc.
Total Volume of Sample: 2250 cc.
Pressure in Sampler: 15 psig
Oil: None cc.
Water: None cc.
Mud: 2250 cc.
Gas: None cu. ft.
Other: None

Sample: 20,000 ppm Cl.

Resistivity

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

Mud Pit Sample _____ @ _____ of Chloride Content _____ ppm.

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

Where was sample drained On location.

Remarks: _____

Harvill's Drill Stem Testing

Mallon Oil Co.
Operator

Mobil "5" State #1
Well Name and No.

1
DST No.

RECORDER NO. 13750 DEPTH 6295 FT.

INITIAL FLOW

<u>DT(MIN)</u>	<u>PRESSURE(PSIG)</u>
0	107.2
5	87.8
10	76.7
15	75.3

RECORDER NO. 13750 DEPTH 6295 FT.

FINAL FLOW

<u>DT(MIN)</u>	<u>PRESSURE(PSIG)</u>
0	101.4
5	91.1
10	85.4
15	82.6

Harvill's Drill Stem Testing

Mallon Oil Co.
Operator

Mobil "5" State #1
Well Name and No.

1
DST No.

RECORDER NO. 13750 DEPTH 6295 FT.

INITIAL SHUT-IN

INITIAL FLOW TIME: T = 15 MIN.

DT(MIN)	LOG((T+DT)/DT)	PRESSURE(P SIG)	DP(P SIG)
0		75.3	0.0
2	0.929	76.3	1.0
4	0.677	77.7	2.4
6	0.544	78.6	3.3
8	0.459	80.3	5.1
10	0.398	82.9	7.6
12	0.352	86.5	11.2
14	0.316	90.6	15.3
16	0.287	94.5	19.2
18	0.263	98.0	22.8
20	0.243	102.4	27.1
22	0.226	106.5	31.2
24	0.211	110.6	35.3

EXTRAPOLATED PRESSURE: INDETERMINATE

Harvill's Drill Stem Testing

Mallon Oil Co.
Operator

Mobil "5" State #1
Well Name and No.

1
DST No.

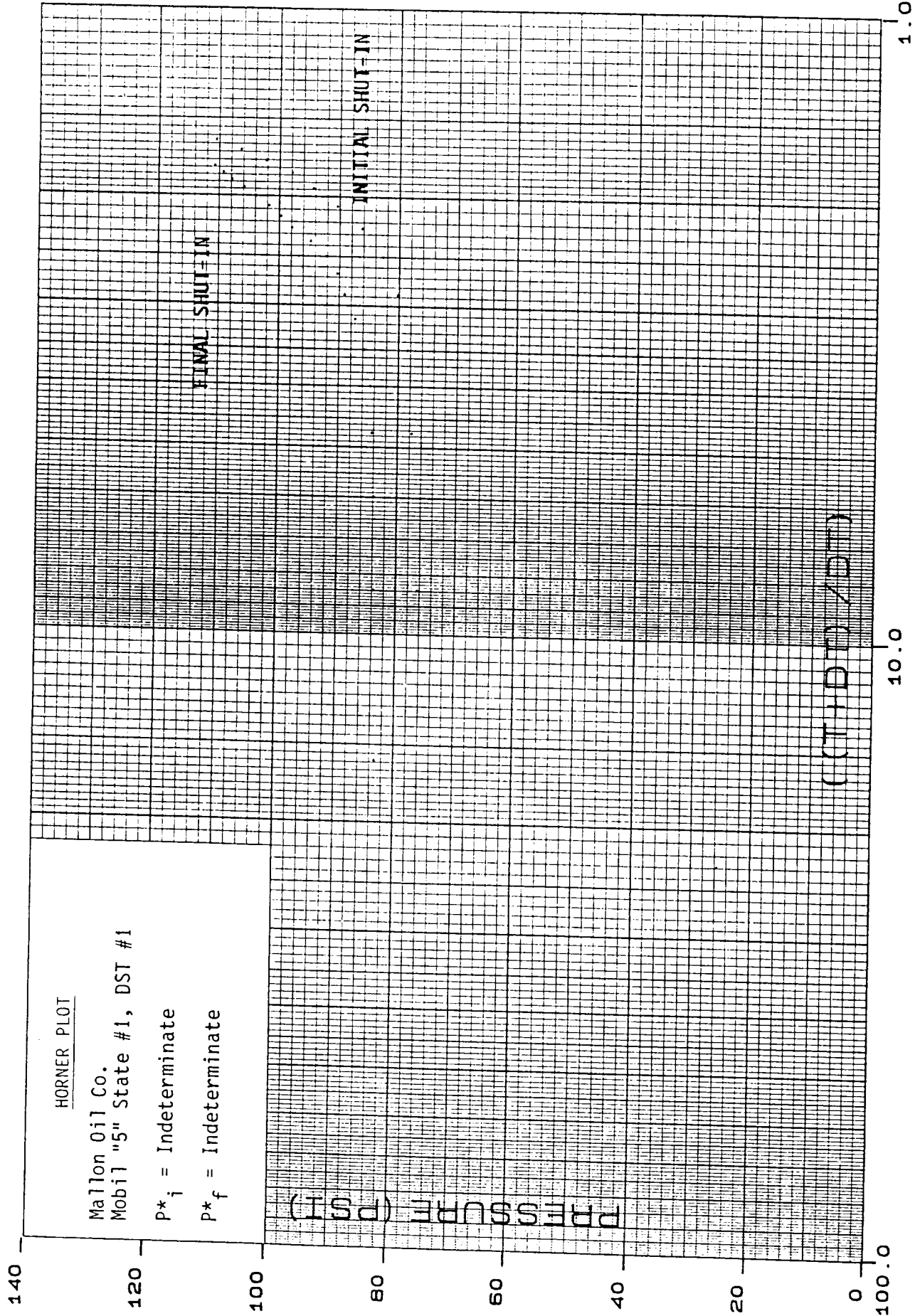
RECORDER NO. 13750 DEPTH 6295 FT.

FINAL SHUT-IN

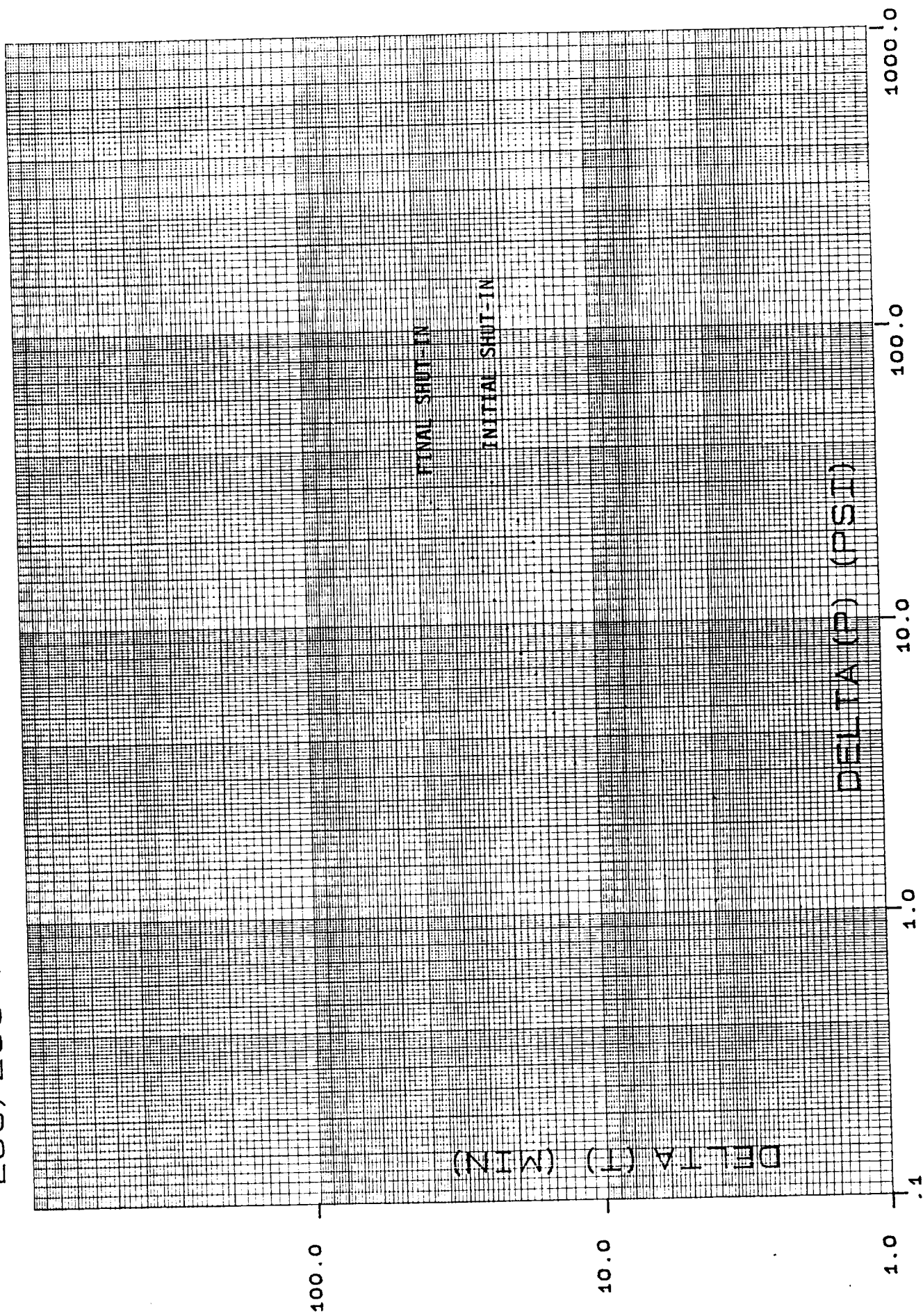
TOTAL FLOW TIME: T = 30 MIN.

DT(MIN)	LOG((T+DT)/DT)	PRESSURE(PSIG)	DP(PSIG)
0		82.6	0.0
2	1.204	83.1	0.4
4	0.929	83.7	1.1
6	0.778	84.0	1.3
8	0.677	84.4	1.8
10	0.602	84.9	2.2
12	0.544	85.9	3.2
14	0.497	87.5	4.9
16	0.459	89.3	6.6
18	0.426	90.5	7.9
20	0.398	92.3	9.7
22	0.374	94.9	12.2
24	0.352	98.0	15.4
26	0.333	99.8	17.2
28	0.316	101.8	19.2
30	0.301	104.0	21.4
32	0.287	106.0	23.4
34	0.275	108.0	25.4
36	0.263	109.4	26.8
38	0.253	110.8	28.2

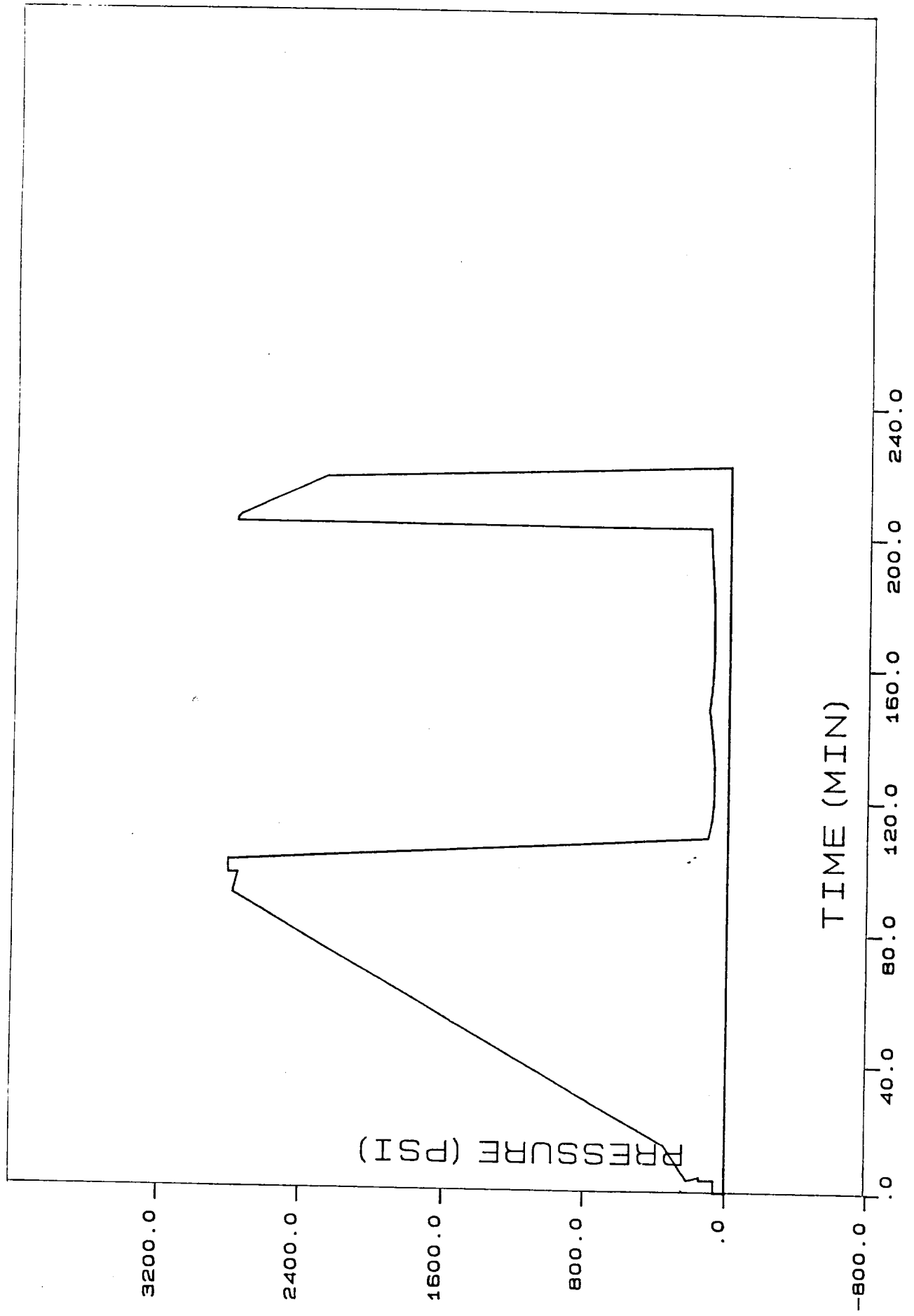
EXTRAPOLATED PRESSURE: INDETERMINATE



LOG/LOG PLOT



GAUGE NO. 13750 @ 6295 FT.



Harvill's Drill Stem Testing

DISTRIBUTION OF FINAL REPORTS

Mallon Oil Co.
Operator

Mobil "5" State #1
Well Name and No.

Mallon Oil Co. 5
Attn: Joe Cox
1099-18th St., Suite 2750
Denver CO 80202