

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name & No.	HUCK "A" #12	Test No.	1	Date	8/7/89
Company	QUINOCO PETROLEUM INC	Zone Tested	KC		
Address	P.O. BOX 378111 DENVER CO 80237	Elevation	2283 KB		
Co. Rep./Geo.	E. BAILEY J MUSGROVE	Cont.	RED TIGER RIG #7	Est. Ft. of Pay	0
Location: Sec.	31	Twp.	11S	Rge.	20W
		Co.	ELLIS	State	KS

Interval Tested	3726-3770	Drill Pipe Size	5"
Anchor Length	44	Top Choke - 1"	
Top Packer Depth	3721	Bottom Choke - 3/4"	
Bottom Packer Depth	3726	Hole Size - 7 7/8"	
Total Depth	3770	Rubber Size - 6 3/4"	
Wt. Pipe I.D. - 2.7		Ft. Run	377.62
Drill Collar - 2.25		Ft. Run	0
Mud Wt.	9.3 lb./gal.	Viscosity	48
		Filtrate	19.2
Tool Open @	12:58 PM	Initial Blow	WEAK BUILDING TO MEDIUM 3" BLOW

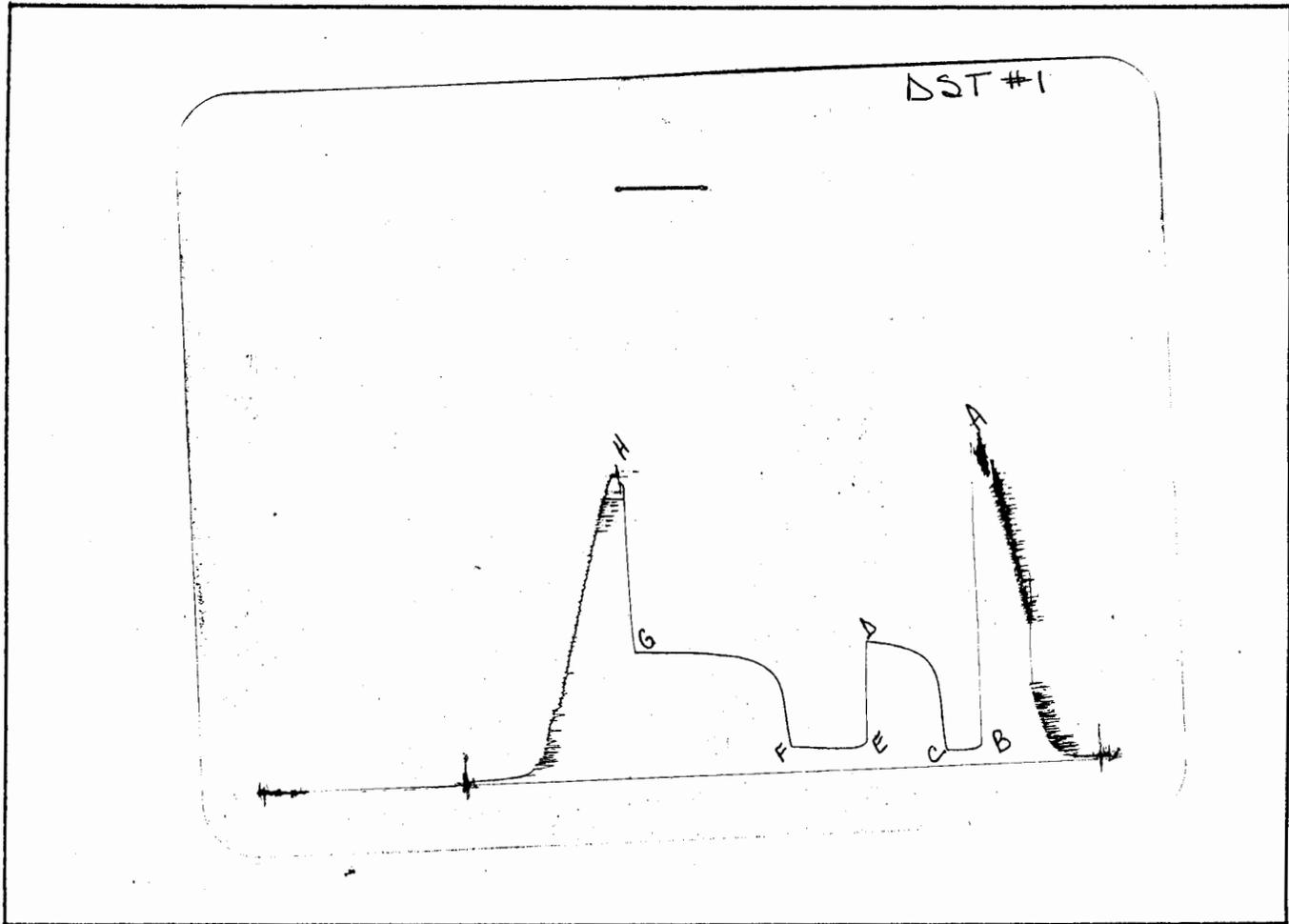
Final Blow WEAK BUILDING TO MEDIUM 4" BLOW

Recovery - Total Feet	200	Flush Tool?	
Rec. 80	Feet of MUD WITH FEW OIL SPECKS		
Rec. 120	Feet of WATER		
Rec. 0	Feet of		
Rec. 0	Feet of		
Rec. 0	Feet of		

BHT	115 °F	Gravity	°API @ 0 °F	Corrected Gravity	0 °API
RW	.16 @ 74 °F	Chlorides	42000 ppm	Recovery Chlorides	5000 ppm System

(A) Initial Hydrostatic Mud	1994.2	PSI	AK1 Recorder No.	13850	Range	4325
(B) First Initial Flow Pressure	23.1	PSI	@(depth)	3760	w/Clock No.	17652
(C) First Final Flow Pressure	45.2	PSI	AK1 Recorder No.	13849	Range	4375
(D) Initial Shut-In Pressure	765.2	PSI	@(depth)	3766	w/Clock No.	31154
(E) Second Initial Flow Pressure	67.1	PSI	Initial Opening	30		
(F) Second Final Flow Pressure	123.2	PSI	Initial Shut-In	60		
(G) Final Shut-In Pressure	776.3	PSI	Final Flow	60		
(H) Final Hydrostatic Mud	1952.2	PSI	Final Shut-In	120		

Our Representative CARL F GOFF TOTAL PRICE \$ 405



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud.....	1993	1994.2	PSI
(B) First Initial Flow Pressure.....	22	23.1	PSI
(C) First Final Flow Pressure.....	44	45.2	PSI
(D) Initial Closed-in Pressure.....	764	765.2	PSI
(E) Second Initial Flow Pressure.....	66	67.1	PSI
(F) Second Final Flow Pressure.....	122	123.2	PSI
(G) Final Closed-in Pressure.....	775	776.3	PSI
(H) Final Hydrostatic Mud.....	1950	1952.2	PSI

TRILOBITE TESTING COMPANY

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 2114 Date 8/7/89
Company Name QUINOCO PETROLEUM INC
Lease HUCK "A" # 12 Test No. 1
County ELLIS Sec. 31 Twp. 11S Rng. 20W

SAMPLER RECOVERY

Gas _____ ML
Oil _____ ML
Mud 400 ML
Water 3600 ML
Other _____ ML
Pressure 225 PSI
Total _____ ML

PIT MUD ANALYSIS

Chlorides 5000 ppm.
Resistivity _____ ohms @ _____ F
Viscosity 48
Mud Weight 9.3
Filtrate 19.2
Other _____

SAMPLER ANALYSIS

Resistivity .16 ohms @ 74 F
Chlorides 42000 ppm.
Gravity _____ corrected @ 60 F

PIPE RECOVERY

TOP
Resistivity .16 ohms @ 74 F
Chlorides 42000 ppm.
MIDDLE
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
BOTTOM
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

TEST TICKET

No 2114

Well Name & No. <u>Huck "A" #12</u>	Test No. <u>1</u>	Date <u>8/17/89</u>
Company <u>Quinaco Pet. Inc.</u>	Zone Tested <u>KC</u>	
Address <u>P.O. Box 328111, Denver, Col. 80232</u>	Elevation <u>2283 KB</u>	
Co. Rep./Geo. <u>Ed Bailey, Jim Musgrave</u>	Cont. <u>Red Tiger Rig #2</u>	Est. Ft. of Pay _____
Location: Sec. <u>31</u>	Twp. <u>11S</u>	Rge. <u>20W</u> Co. <u>Ellis</u> State <u>KS</u>

Interval Tested <u>3726-3770</u>	Drill Pipe Size <u>5"</u>
Anchor Length <u>44</u>	Top Choke — 1" _____
Top Packer Depth <u>3721</u>	Bottom Choke — 3/4" _____
Bottom Packer Depth <u>3726</u>	Hole Size — 7 1/8" _____
Total Depth <u>3770</u>	Rubber Size — 6 3/4" _____
Wt. Pipe I.D. — 2.7 _____	Ft. Run <u>377.62</u>
Drill Collar — 2.25 _____	Ft. Run _____
Mud Wt. _____ <u>9.3</u> lb./gal.	Viscosity <u>48</u> Filtrate <u>19.3</u>
Tool Open @ <u>12:58 pm</u>	Initial Blow <u>Weak building to Medium 3" blow</u>

Final Blow Weak building to Medium 4" blow

Recovery — Total Feet <u>200</u>	Flush Tool? _____
Rec. <u>80</u> Feet of <u>mud few oil specks</u>	
Rec. <u>120</u> Feet of <u>Water</u>	
Rec. _____ Feet of _____	
Rec. _____ Feet of _____	
Rec. _____ Feet of _____	

BHT <u>115</u> °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW <u>.14</u> @ <u>24</u> °F Chlorides <u>42,000</u> ppm Recovery Chlorides <u>5000</u> ppm System
(A) Initial Hydrostatic Mud <u>1993</u> PSI AK1 Recorder No. <u>13850</u> Range <u>4325</u>
(B) First Initial Flow Pressure <u>22</u> PSI @ (depth) <u>3760</u> w/Clock No. <u>17652</u>
(C) First Final Flow Pressure <u>44</u> PSI AK1 Recorder No. <u>13849</u> Range <u>4325</u>
(D) Initial Shut-In Pressure <u>264</u> PSI @ (depth) <u>3766</u> w/Clock No. <u>31154</u>
(E) Second Initial Flow Pressure <u>66</u> PSI Initial Opening <u>30</u> Test _____
(F) Second Final Flow Pressure <u>122</u> PSI Initial Shut-In <u>60</u> Jars <u>X</u>
(G) Final Shut-In Pressure <u>225</u> PSI Final Flow <u>60</u> Safety Joint <u>X</u>
(H) Final Hydrostatic Mud <u>1950</u> PSI Final Shut-In <u>120</u> Straddle _____

Approved By <u>Jim Musgrave</u>	Circ. Sub <u>X</u>
Our Representative <u>Carl P. Hoff</u>	Sampler <u>X</u>
	Extra Packer _____
	Other _____

TOTAL PRICE \$ 405.00

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name & No.	HUCK "A" # 12	Test No.	2	Date	8/8/89
Company	QUINOCO PETROLEUM INC	Zone Tested	ARBUCKLE		
Address	P.O. BOX 378111 DENVER CO 80237	Elevation	2283 KB		
Co. Rep./Cont.	BAILEY J MUSGROVE	RED TIGER RIG # 7	Est. Ft. of Pay 4		
Location: Sec.	31	Twp.	11S	Rge.	20W
		Co.	ELLIS	State	KS

Interval Tested	3867-3876	Drill Pipe Size	5"
Anchor Length	9	Top Choke - 1"	
Top Packer Depth	3862	Bottom Choke - 3/4"	
Bottom Packer Depth	3867	Hole Size - 7 7/8"	
Total Depth	3876	Rubber Size - 6 3/4"	
Wt. Pipe I.D. - 2.7		Ft. Run	377
Drill Collar - 2.25		Ft. Run	0
Mud Wt.	9.2	lb./gal.	43
		Viscosity	11.2
		Filtrate	

Tool Open @ 1:40 PM Initial Blow MEDIUM BUILDING TO STRONG BLOW
 OFF BOTTOM IN 20 MIN-WEAK SURFACE RESIDUAL ISI

Final Blow MEDIUM BLOW BUILDING TO STRONG BLOW
 OFF BOTTOM IN 26 MIN-VERY WEAK SURFACE RESIDUAL FOR 45 MIN FSI

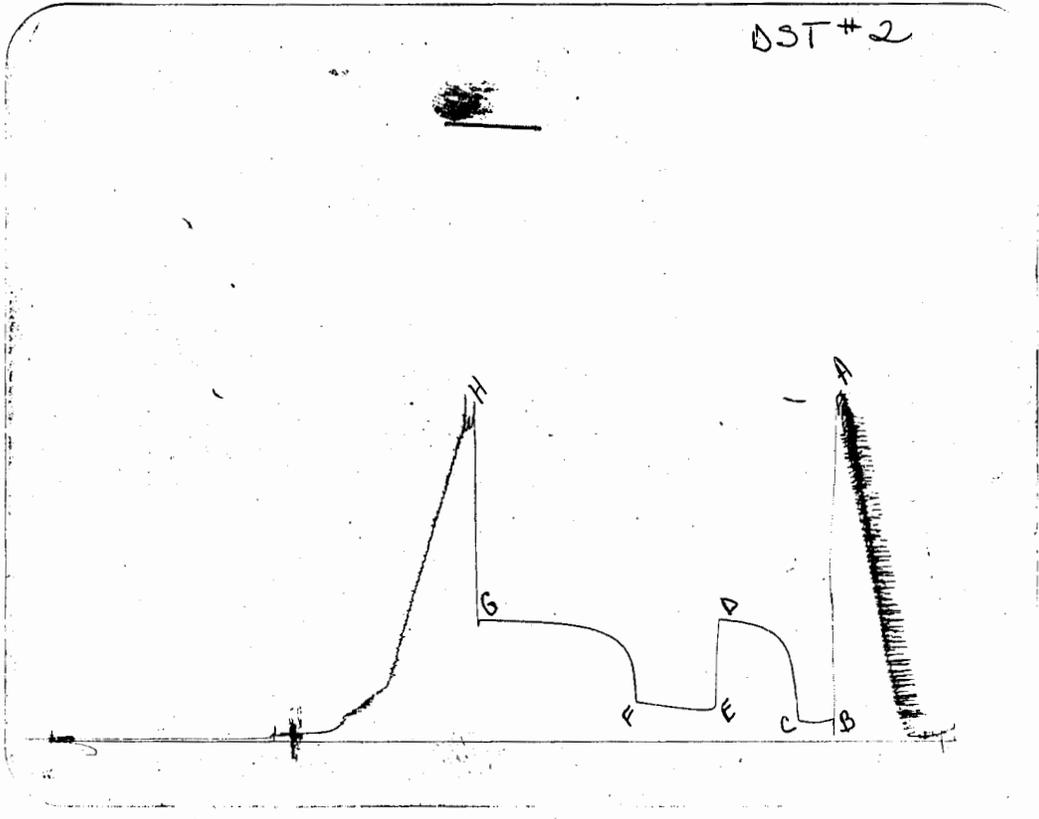
Recovery - Total Feet	530	Flush Tool?	
Rec.	200	Feet of	GAS IN PIPE
Rec.	435	Feet of	CLEAN GASSY OIL
Rec.	95	Feet of	MUD CUT GASSY OIL
Rec.	0	Feet of	
Rec.	0	Feet of	

BHT 122 °F Gravity 36 °API @ 90 °F Corrected Gravity 33 °API
 2000

RW	@	°F Chlorides	ppm Recovery	Clorides	ppm System
(A) Initial Hydrostatic Mud		1988.1		13850	4325
(B) First Initial Flow Pressure	11.8	PSI	AK1 Recorder No.	3869	Range 31154
(C) First Final Flow Pressure	106.8	PSI	@ (depth)	13849	w/Clock No. 4375
(D) Initial Shut-In Pressure	698.9	PSI	AK1 Recorder No.	3872	Range 17652
(E) Second Initial Flow Pressure	127.1	PSI	@ (depth)	30	w/Clock No.
(F) Second Final Flow Pressure	199.8	PSI	Initial Opening	60	
(G) Final Shut-In Pressure	700	PSI	Initial Shut-In	60	
(H) Final Hydrostatic Mud	1781.4	PSI	Final Flow	120	
			Final Shut-In		

Our Representative CARL F GOFF TOTAL PRICE \$ 405

DST #2



This is an actual photograph of recorder chart.

PRESSURE

POINT	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud.....	2048	1988.1	PSI
(B) First Initial Flow Pressure.....	33	11.8	PSI
(C) First Final Flow Pressure.....	100	105.8	PSI
(D) Initial Closed-in Pressure.....	720	698.9	PSI
(E) Second Initial Flow Pressure.....	122	127.1	PSI
(F) Second Final Flow Pressure.....	200	199.8	PSI
(G) Final Closed-in Pressure.....	709	700	PSI
(H) Final Hydrostatic Mud.....	2004	1781.4	PSI

COMPUTER EVALUATION BY TRILOBITE TESTING
QUINOCO PETROLEUM INC
REPORT FOR DST#2 FOR THE HUCK 'A' #12
31 11S 20W ELLIS KS

TEST PARAMETERS

ELEVATION: 2283 KB EST. PAY: 4 FT
DATUM: -1587 ZONE TESTED: ARBUCKLE
TEST INTERVAL: 3867-3876
RECORDER DEPTH: 3869 TIME INTERVALS: 30-60-60-120
BOTTOM HOLE TEMP: 122 VISCOSITY: 6 CP
HOLE SIZE: 7.875 IN

CALCULATIONS

CUBIC FEET OF GAS IN PIPE: 15.96788
TOTAL FEET OF RECOVERY: 530
BARRELS IN DRILL PIPE: 2.8152
BARRELS IN WEIGHT PIPE: 2.9406
GAS OIL RATIO: 2.774224 CU.FT./BBL
TOTAL BARRELS OF RECOVERY: 5.7558
UNCORR. INIT. PROD.: 92.09281 BBL/DAY
API GRAVITY: 33 FLUID GRADIENT: .373
CORRECTED PIPE FILLUP: 535.6569
CORR. BARRELS OF RECOVERY: 5.847801 BB
INITIAL PRODUCTION CORRECTED TO FINAL FLOW PRESSURE: 93.56481 BBL/DAY
INITIAL PRODUCTION CORRECTED TO PSEUDO STEADY FLOW STATE
55.37672

INITIAL SHUT-IN VALUES:
THEORETICAL STATIC PRESSURE 741.9319
SLOPE 244.4168

FINAL SHUT-IN VALUES
THEORETICAL STATIC PRESSURE 743.949
SLOPE 180.864

TRANSMISSIBILITY 84.11645 (MD.-FT./CP.)
PERMEABILITY 126.1747 (MD.)
INDICATED FLOW CAPACITY 504.6987 (MD.FT)
PRODUCTIVITY INDEX 9.505159E-02 (BARRELS/DAY/PSI)
DAMAGE RATIO .5505754
RADIUS OF INVESTIGATION 106.5632 (FT.)
POTENTIOMETRIC SURFACE 139.2177 (FT.)
DRAWDOWN FACTOR -.2718687 (%)

INITIAL FLOW

REORDER # 13850
DST #2

DT (MIN)	PRESSURE	<> PRESSURE
0	11.8	11.8
3	37.4	25.6
6	41.7	4.299999
9	44.9	3.200001
12	50.2	5.299999
15	55.6	5.399998
18	66.2	10.6
21	74.8	8.600006
24	83.3	8.5
27	89.7	6.399994
30	96.2	6.5
33	106.8	10.60001

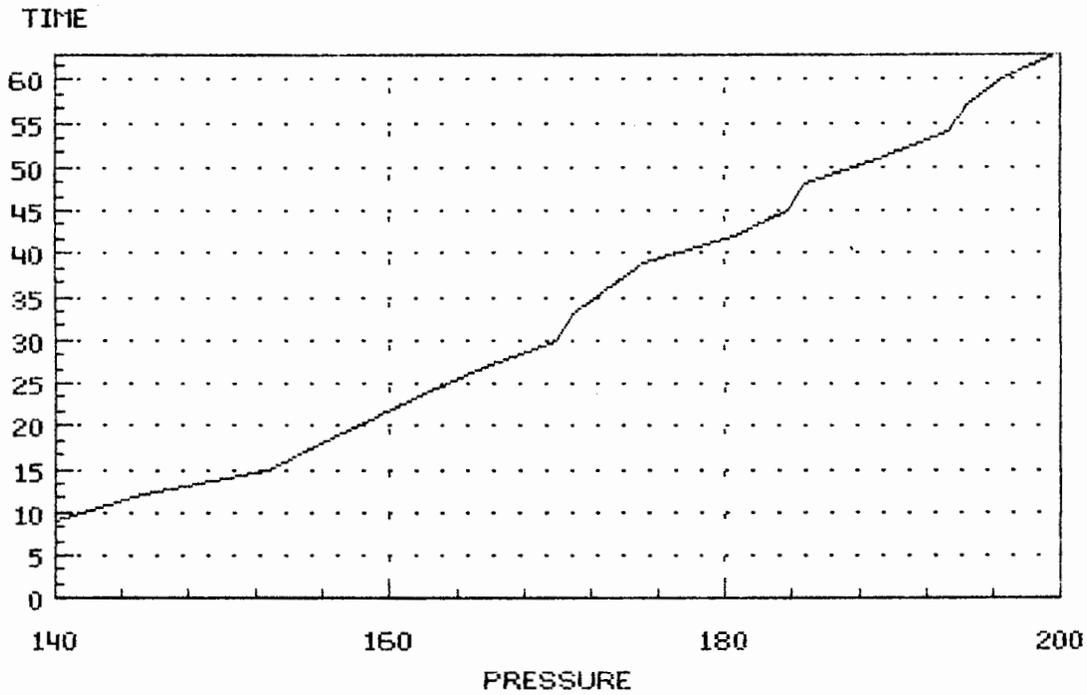
FINAL FLOW

REORDER # 13850
DST #2

DT (MIN)	PRESSURE	<> PRESSURE
0	127.1	127.1
3	139.9	12.8
6	139.9	0
9	139.9	0
12	145.3	5.400009
15	152.8	7.5
18	155.9	3.099991
21	159.2	3.300003
24	162.4	3.199997
27	165.6	3.200012
30	169.9	4.299988
33	170.9	1
36	173.1	2.200012
39	175.2	2.099991
42	180.6	5.400009
45	183.8	3.199997
48	184.8	1
51	189.1	4.300003
54	193.4	4.299988
57	194.4	1
60	196.6	2.200012
63	199.8	3.199997

DELTA T DELTA P

DST #2 FINAL FLOW
RECORDER # 13850



INITIAL PRODUCTION CORRECTED TO PSEUDO STEADY FLOW STATE 55.37672 BBL/DA

INITIAL SHUT-IN BUILDUP
DST #2

REORDER # 13850
INITIAL FLOW TIME (MIN.): 30

MIN	LOG(T+MIN/MIN)	PRESSURE	<> PRESSURE
0	0	106.8	106.8
3	1.041205	472.2	365.4
6	.778011	550	77.799999
9	.6367073	580.9	30.900003
12	.5439701	602.1	21.199995
15	.4770353	614.9	12.800005
18	.425892	629.8	14.899996
21	.3852815	643.6	13.799999
24	.352119	651.1	7.5
27	.3244526	663.8	12.70001
30	.3009757	672.3	8.5
33	.280776	676.6	4.299988
36	.263194	682.9	6.300049
39	.2477398	685.1	2.199951
42	.234041	687.2	2.100037
45	.2218087	688.3	1.099976
48	.2108154	692.5	4.200012
51	.2008786	694.7	2.200012
54	.191851	695.7	1
57	.1836113	696.8	1.099976
60	.1760595	698.9	2.100037

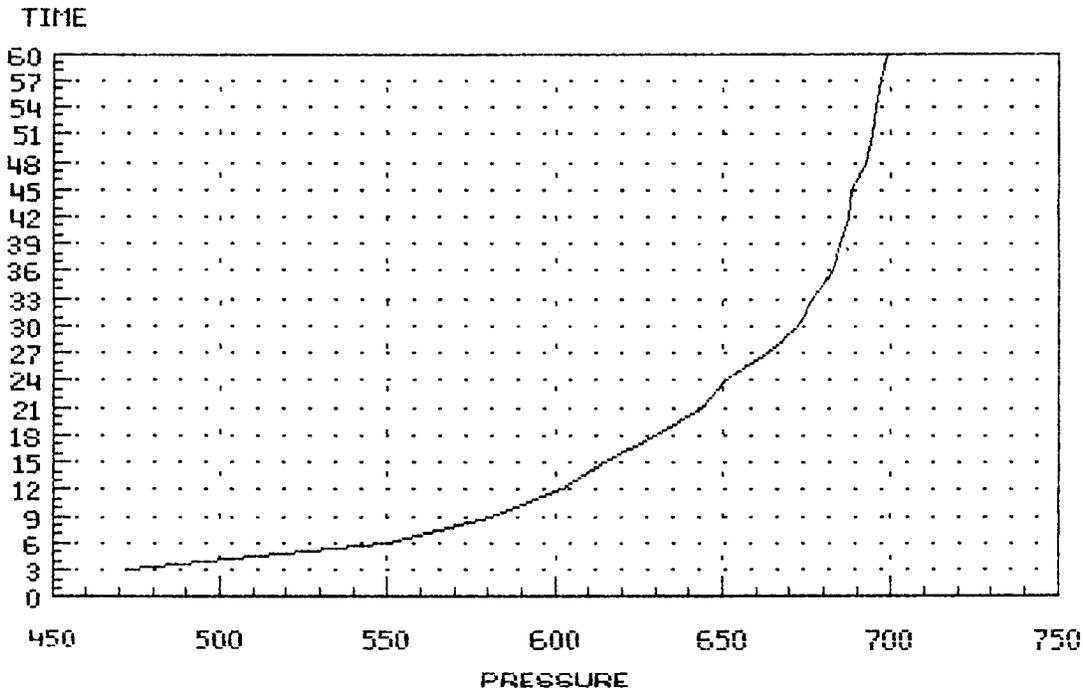
FINAL SHUT-IN BUILDUP
DST #2

REORDER # 13850
TOTAL FLOW TIME (MIN.): 90

MIN	LOG(T+MIN/MIN)	PRESSURE	<> PRESSURE
0	0	199.8	199.8
6	1.203903	500	300.2
12	.9292515	567	67
18	.778011	602.1	35.099998
24	.6765717	622.3	20.20001
30	.6019515	635.1	12.799999
36	.5439701	646.8	11.70001
42	.4972351	656.4	9.600037
48	.4585552	661.7	5.299988
54	.425892	671.3	9.599976
60	.3978683	676.6	5.299988
66	.3735134	678.7	2.100037
72	.352119	681.9	3.200012
78	.3331547	681.9	0
84	.316213	685.1	3.199951
90	.3009757	687.2	2.100037
96	.2871899	691.5	4.299988
102	.2746515	693.6	2.099976
108	.263194	696.8	3.200012
114	.2526798	700	3.200012
120	.2429943	700	0

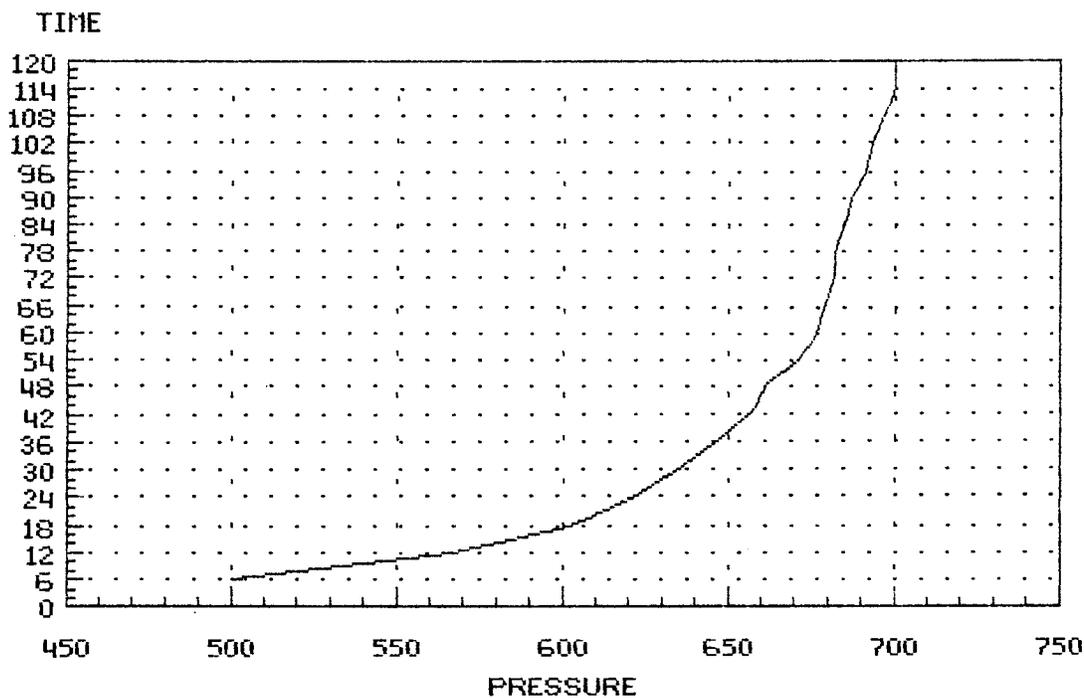
DELTA T DELTA P

DST #2 INITIAL SHUTIN
RECORDER # 13850



DELTA T DELTA P

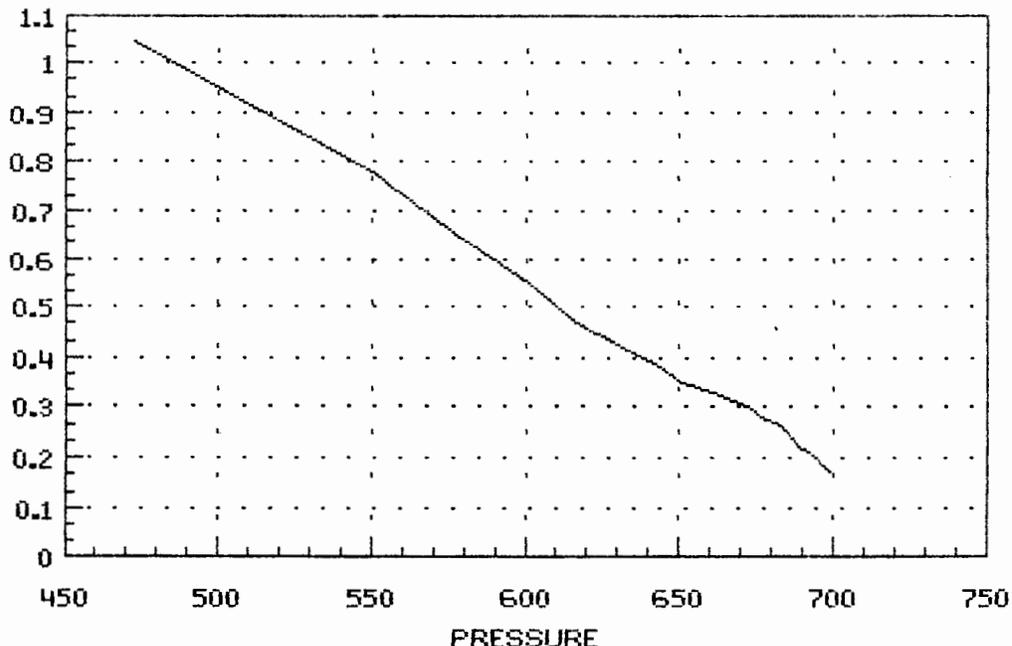
DST #2 FINAL SHUTIN
RECORDER # 13850



HORNER PLOT

DST #2 INITIAL SHUTIN
RECORDER # 13850

LOG(T+MIN/MIN)

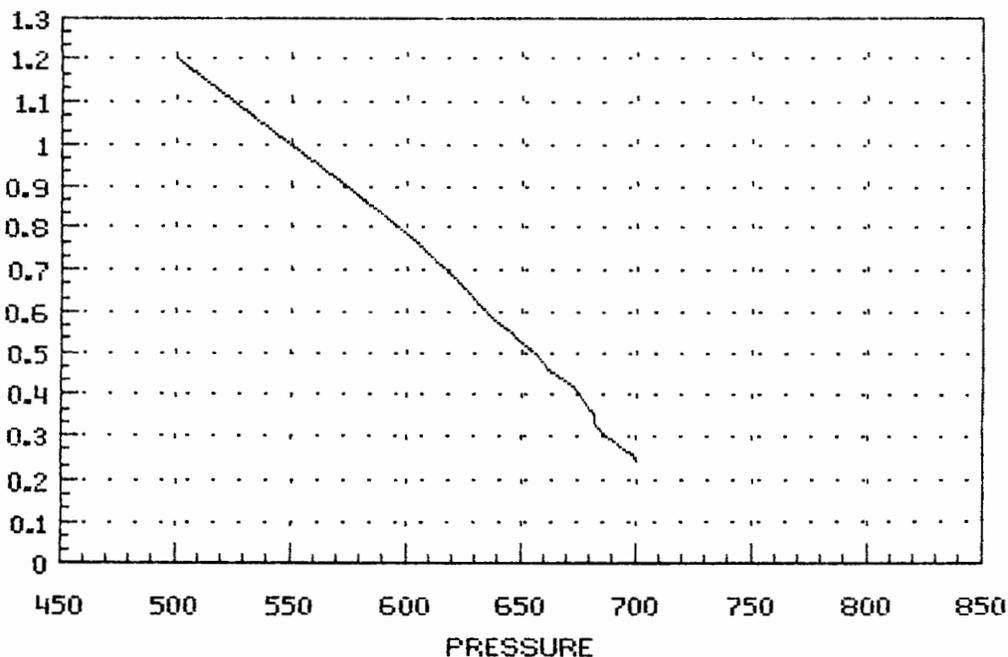


STATIC PRESSURE 741.9319
SLOPE 244.4168
POINTS USED 19

HORNER PLOT

DST #2 FINAL SHUTIN
RECORDER # 13850

LOG(T+MIN/MIN)



STATIC PRESSURE 743.949
SLOPE 180.864
POINTS USED 19

TRILOBITE TESTING COMPANY

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 2115 Date 8/8/89

Company Name QUINOCO PETROELUM INC

Lease HUCK "A" # 12 Test No. 2

County ELLIS Sec. 31 Twp. 11S Rng. 20W

SAMPLER RECOVERY

Gas _____ ML Chlorides 2000 ppm.
Oil 2800 ML Resistivity 22 ohms @ 80 F
Mud 1200 ML Viscosity 43
Water _____ ML Mud Weight 9.2
Other _____ ML Filtrate 11.2
Pressure 40 PSI Other _____
Total _____ ML

PIT MUD ANALYSIS

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F
Chlorides 33 ppm.
Gravity _____ corrected @ 60 F

PIPE RECOVERY

TOP
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
MIDDLE
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
BOTTOM
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

TEST TICKET

No. 2115

Well Name & No. <u>Huck 'A' #12</u>	Test No. <u>2</u>	Date <u>8/8/89</u>
Company <u>Quinoco Pet. Inc.</u>	Zone Tested <u>Ark</u>	
Address <u>PO Box 378111, Denver, Co. 80237</u>	Elevation <u>2283 NR</u>	
Co. Rep./Geo. <u>Ed Bailey, Jim Musgrave</u> Cont. <u>Red Tiger Rig #2</u>	Est. Ft. of Pay <u>4'</u>	
Location: Sec. <u>31</u> Twp. <u>11S</u> Rge. <u>20W</u> Co. <u>Ellis</u> State <u>Ks.</u>		

Interval Tested <u>3867-3876</u>	Drill Pipe Size <u>5"</u>
Anchor Length <u>9'</u>	Top Choke - 1" _____
Top Packer Depth <u>3862</u>	Bottom Choke - 3/4" _____
Bottom Packer Depth <u>3867</u>	Hole Size - 7 1/8" _____
Total Depth <u>3876</u>	Rubber Size - 6 3/4" _____
Wt. Pipe I.D. - 2.7 _____	Ft. Run <u>377</u>
Drill Collar - 2.25 _____	Ft. Run _____
Mud Wt. <u>97</u> lb./gal.	Viscosity <u>43</u> Filtrate <u>117</u>
Tool Open @ <u>1:40 pm</u> Initial Blow <u>Medium building to strong blow off bottom in 20 min. - weak surface residual 1 1/2 shut in</u>	
Final Blow <u>Medium blow building to strong blow off bottom in 26 min. Very weak surface residual for 45 min - Final shut in</u>	
Recovery - Total Feet <u>530'</u>	Flush Tool? _____
Rec. <u>200</u> Feet of <u>Gas In Pipe</u>	
Rec. <u>435</u> Feet of <u>Clean Gassy Oil</u>	
Rec. <u>95</u> Feet of <u>Mud Cut Gassy Oil</u>	
Rec. _____ Feet of _____	
Rec. _____ Feet of _____	
BHT <u>122</u> °F Gravity <u>36</u> °API @ <u>90</u> °F Corrected Gravity <u>37</u> °API	
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides <u>2000</u> ppm System	
(A) Initial Hydrostatic Mud <u>2048</u> PSI AK1 Recorder No. <u>13850</u> Range <u>4325</u>	
(B) First Initial Flow Pressure <u>33</u> PSI @ (depth) <u>3869</u> w/Clock No. <u>3115-4</u>	
(C) First Final Flow Pressure <u>100</u> PSI AK1 Recorder No. <u>13849</u> Range <u>4325</u>	
(D) Initial Shut-In Pressure <u>220</u> PSI @ (depth) <u>3872</u> w/Clock No. <u>1765-2</u>	
(E) Second Initial Flow Pressure <u>122</u> PSI Initial Opening <u>30</u> Test <u>405</u>	
(F) Second Final Flow Pressure <u>200</u> PSI Initial Shut-In <u>60</u> Jars <u>X</u>	
(G) Final Shut-In Pressure <u>209</u> PSI Final Flow <u>60</u> Safety joint <u>X</u>	
(H) Final Hydrostatic Mud <u>2004</u> PSI Final Shut-In <u>120</u> Straddle _____	

Approved By Jim Musgrave
 Our Representative Carl P. Hoff

Circ. Sub X
 Sampler X 50.00
 Extra Packer _____
 Other _____
 TOTAL PRICE \$ 405.00

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name & No.	HUCK "A" #12	Test No.	3	Date	8/9/89				
Company	QUINOCO PETROLEUM INC	Zone Tested	ARBUCKLE						
Address	P.O. BOX 378111 DENVER CO 80237	Elevation	2283 KB						
Co. Rep./Geo.	E BAILEY J MUSGROVE	Cont.	RED TIGER RIG #7	Est. Ft. of Pay	4				
Location: Sec.	31	Twp.	11S	Rge.	20W	Co.	ELLIS	State	KS

Interval Tested	3882-3891	Drill Pipe Size	5"		
Anchor Length	9	Top Choke — 1"			
Top Packer Depth	3877	Bottom Choke — 3/4"			
Bottom Packer Depth	3882	Hole Size — 7 7/8"			
Total Depth	3891	Rubber Size — 6 3/4"			
Wt. Pipe I.D. — 2.7		Ft. Run	377		
Drill Collar — 2.25		Ft. Run	0		
Mud Wt.	9.2	Viscosity	48	Filtrate	10.4
Tool Open @	8:04 AM	Initial Blow	STRONG OFF BOTTOM IN 2 1/2' MIN		
	4" RESIDUAL ON ISI				

Final Blow STRONG OFF BOTTOM IN 5 MIN
VERY WEAK INTERMITTEN SURFACE BLOW ON FSI FOR 20 MIN

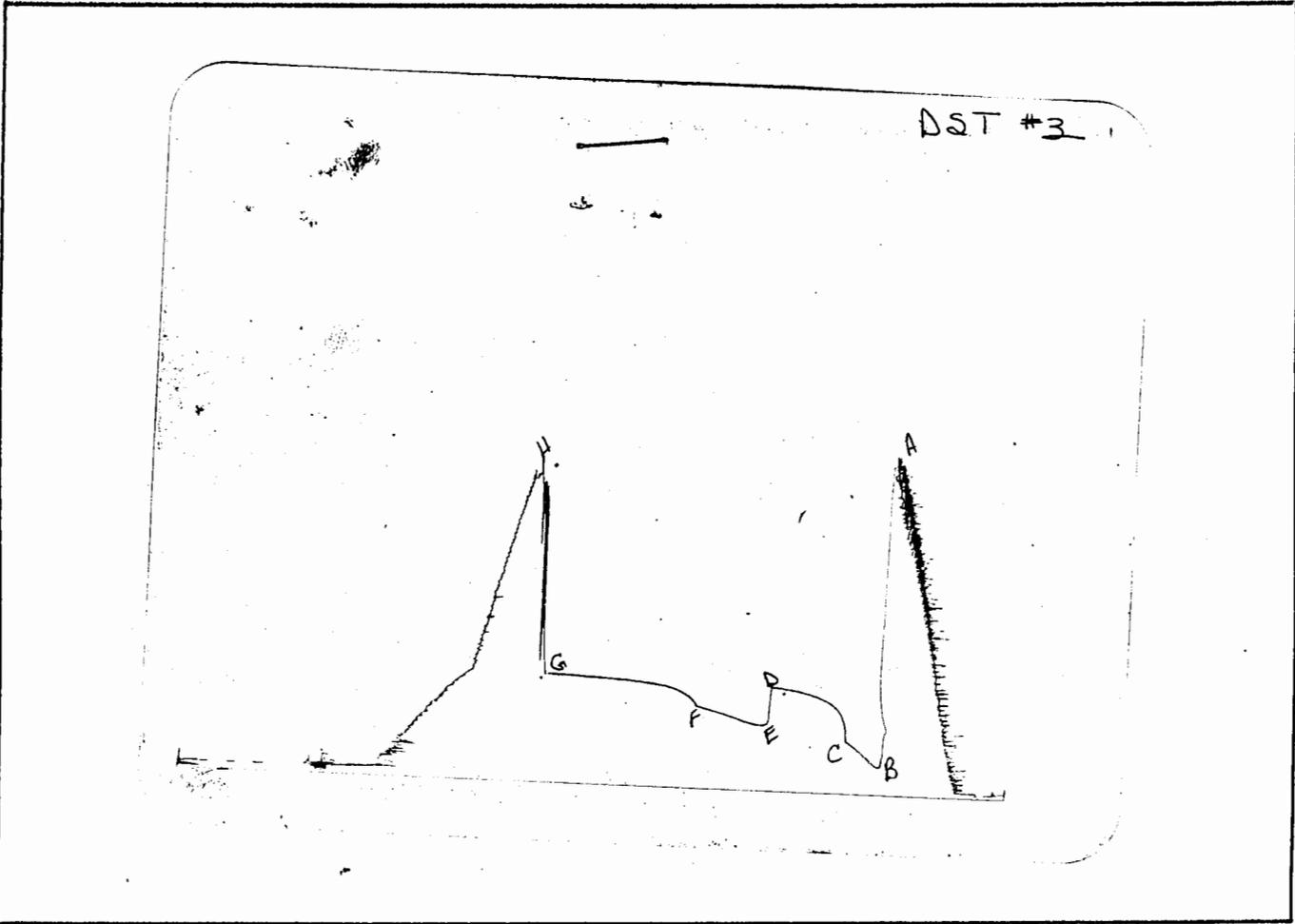
Recovery — Total Feet	1185	Flush Tool?	
Rec.	300	Feet of	GAS IN PIPE
Rec.	870	Feet of	CLEAN GASSY OIL
Rec.	315	Feet of	OIL CUT WATER
Rec.	0	Feet of	
Rec.	0	Feet of	

BHT	122	°F	Gravity	32	°API @	88	°F	Corrected Gravity	29	°API
RW	.20	@	88	°F	Chlorides	28000	ppm Recovery	Clorides	2000	ppm System
								13850		4325

(A) Initial Hydrostatic Mud	108.9	PSI	AK1 Recorder No.	3885	Range	31154
(B) First Initial Flow Pressure	286.3	PSI	@ (depth)	13849	w/Clock No.	4375
(C) First Final Flow Pressure	601.1	PSI	AK1 Recorder No.	3887	Range	17652
(D) Initial Shut-In Pressure	326.9	PSI	@ (depth)	30	w/Clock No.	
(E) Second Initial Flow Pressure	463.7	PSI	Initial Opening	60		
(F) Second Final Flow Pressure	612.8	PSI	Initial Shut-In	60		
(G) Final Shut-In Pressure	1773.8	PSI	Final Flow	120		
(H) Final Hydrostatic Mud		PSI	Final Shut-In			

Our Representative CARL F GOFF

TOTAL PRICE \$ 405



This is an actual photograph of recorder chart.

PRESSURE

POINT	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud.....	2026	1737	PSI
(B) First Initial Flow Pressure.....	100	108.9	PSI
(C) First Final Flow Pressure.....	300	285.3	PSI
(D) Initial Closed-in Pressure.....	621	601.1	PSI
(E) Second Initial Flow Pressure.....	355	326.9	PSI
(F) Second Final Flow Pressure.....	477	463.7	PSI
(G) Final Closed-in Pressure.....	632	612.8	PSI
(H) Final Hydrostatic Mud.....	1895	1773.8	PSI

INITIAL FLOW

REORDER # 13850

DST #3

DT(MIN)	PRESSURE	<> PRESSURE
0	108.9	108.9
3	115.4	6.5
6	141	25.6
9	164.5	23.5
12	188	23.5
15	207.3	19.3
18	231.8	24.5
21	245.7	13.899999
24	263.9	18.2
27	274.6	10.70001
30	286.3	11.69998

FINAL FLOW

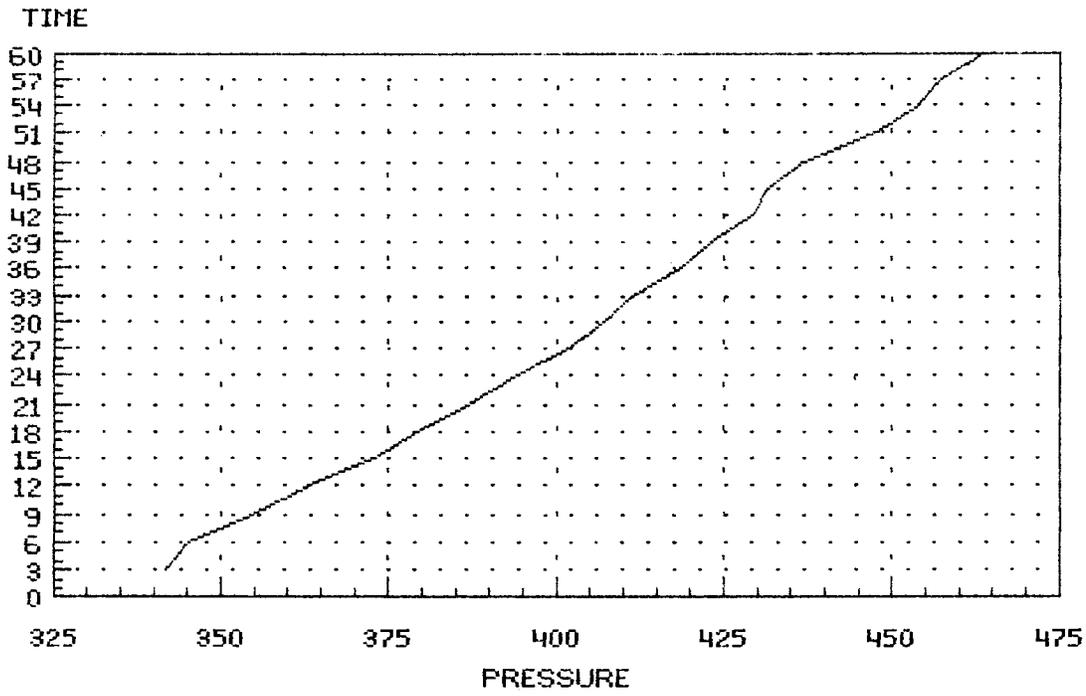
REORDER # 13850

DST #3

DT(MIN)	PRESSURE	<> PRESSURE
0	326.9	326.9
3	341.9	15
6	345.1	3.200012
9	354.7	9.600006
12	363.3	8.599976
15	372.9	9.600006
18	379.3	6.399994
21	386.8	7.5
24	394.2	7.400025
27	401.7	7.5
30	407.1	5.399994
33	411.3	4.199982
36	418.8	7.5
39	423.1	4.300019
42	429.5	6.399994
45	431.6	2.100006
48	436.9	5.299988
51	447.7	10.80002
54	454.1	6.399994
57	457.3	3.199982
60	463.7	6.400025

DELTA T DELTA P

DST #3 FINAL FLOW
RECORDER # 13850



INITIAL PRODUCTION CORRECTED TO PSEUDO STEADY FLOW STATE 117.0848 BBL/DAY

INITIAL SHUT-IN BUILDUP
DST #3

RECORDER # 13850
INITIAL FLOW TIME (MIN.): 30

MIN	LOG(T+MIN/MIN)	PRESSURE	<> PRESSURE
0	0	286.3	286.3
3	1.041205	465.8	179.5
6	.778011	494.7	28.90003
9	.6367073	514.9001	20.20001
12	.5439701	528.7	13.79999
15	.4770353	541.5	12.79999
18	.425892	550	8.5
21	.3852815	558.5	8.5
24	.352119	562.8	4.299988
27	.3244526	568.1	5.299988
30	.3009757	575.5	7.400025
33	.280776	577.7	2.200012
36	.263194	580.9	3.200012
39	.2477398	585.1	4.199951
42	.234041	586.2	1.100037
45	.2218087	586.2	0
48	.2108154	587.2	1
51	.2008786	589.4	2.200012
54	.191851	591.5	2.099976
57	.1836113	593.6	2.099976
60	.1760595	601.1	7.5

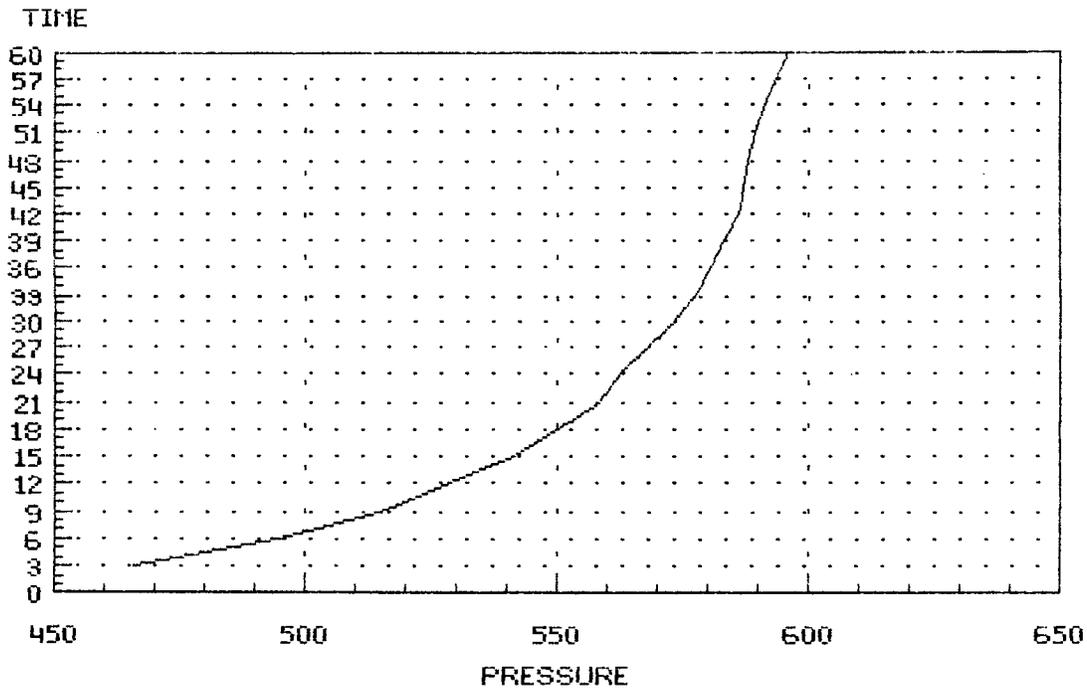
FINAL SHUT-IN BUILDUP
DST #3

RECORDER # 13850
TOTAL FLOW TIME (MIN.): 90

MIN	LOG(T+MIN/MIN)	PRESSURE	<> PRESSURE
0	0	463.7	463.7
6	1.203903	529.8	66.09998
12	.9292515	550	20.20001
18	.778011	559.6	9.599976
24	.6765717	570.2	10.60004
30	.6019515	576.6	6.399964
36	.5439701	584	7.400025
42	.4972351	591.5	7.5
48	.4585552	596.8	5.299988
54	.425892	601.1	4.299988
60	.3978683	601.1	0
66	.3735134	601.1	0
72	.352119	602.1	1
78	.3331547	602.1	0
84	.316213	602.1	0
90	.3009757	606.4	4.300049
96	.2871899	610.6	4.199951
102	.2746515	611.7	1.100037
108	.263194	612.8	1.099976
114	.2526798	612.8	0
120	.2429943	612.8	0

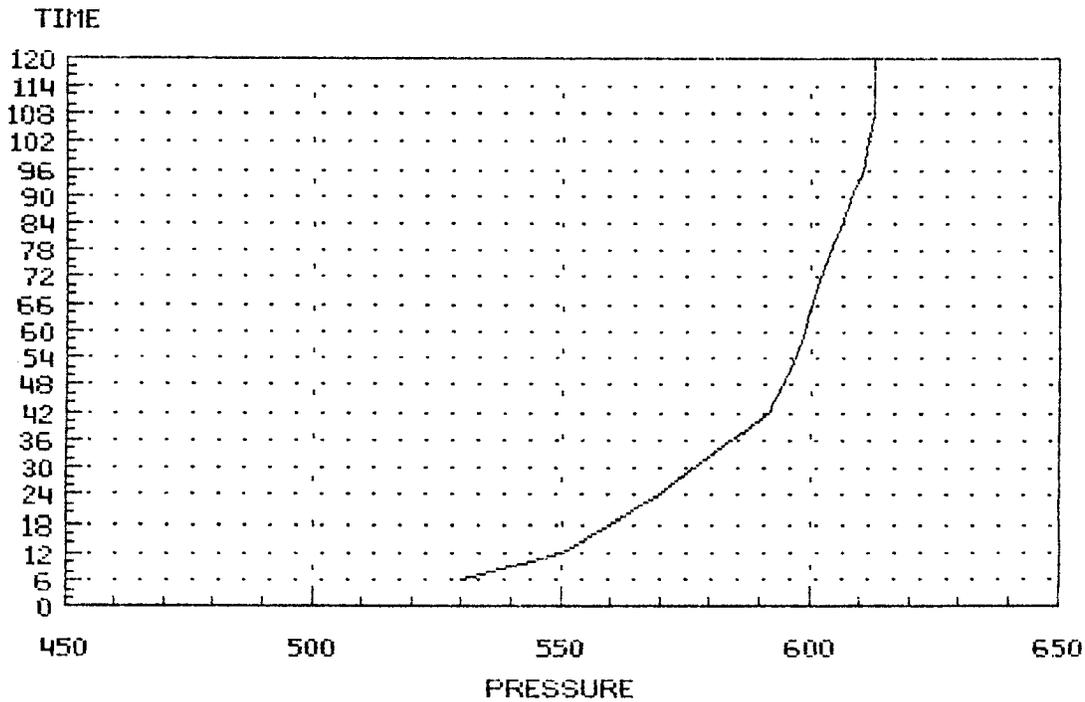
DELTA T DELTA P

DST #3 INITIAL SHUTIN
RECORDER # 13850



DELTA T DELTA P

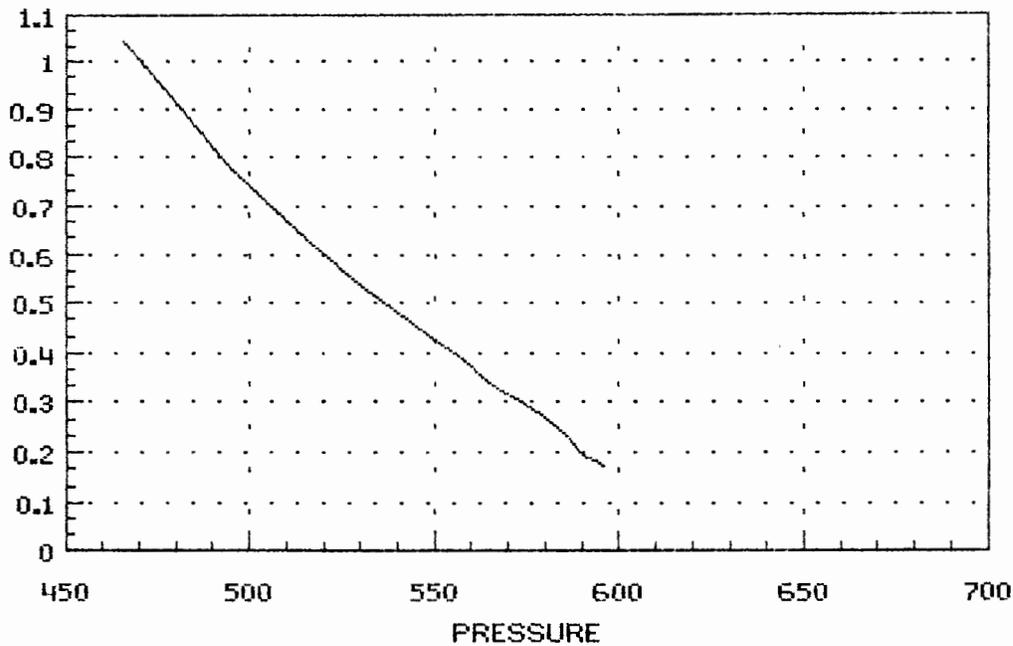
DST #3 FINAL SHUTIN
RECORDER # 13850



HORNER PLOT

DST #3 INITIAL SHUTIN
RECORDER # 13850

LOG(T+MIN/MIN)

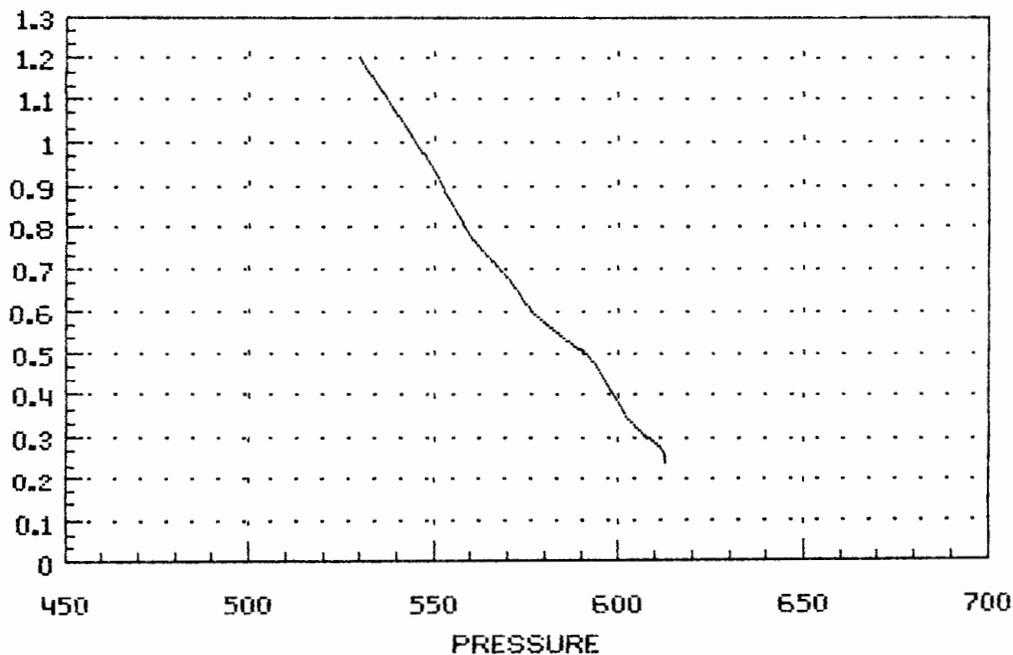


STATIC PRESSURE 638.5424
SLOPE 212.6689
POINTS USED 20

HORNER PLOT

DST #3 FINAL SHUTIN
RECORDER # 13850

LOG(T+MIN/MIN)



STATIC PRESSURE 634.5595
SLOPE 89.54756
POINTS USED 20

TRILOBITE TESTING COMPANY

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 2116 Date 8/9/89
Company Name QUINOCO PETROLEUM INC
Lease HUCK "A" # 12 Test No. 3
County ELLIS Sec. 31 Twp. 11S Rng. 20W

SAMPLER RECOVERY

Gas 400 ML
Oil 3600 ML
Mud _____ ML
Water _____ ML
Other _____ ML
Pressure 60 PSI
Total _____ ML

PIT MUD ANALYSIS

Chlorides 2000 ppm.
Resistivity _____ ohms @ _____ F
Viscosity 48
Mud Weight 9.2
Filtrate 10.4
Other _____

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
Gravity 29 corrected @ 60 F

PIPE RECOVERY

TOP
Resistivity .20 ohms @ 88 F
Chlorides 28,000 ppm.
MIDDLE
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
BOTTOM
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.