

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name #1 REIFSCHNEIDER 'Q' Test No. 1 Date 7/6/94
Company SLAWSON EXPLORATION INC. Zone TORONTO/LANS
Address 621 N ROBINSON #490 OKLAHOMA CITY OK 73102 Elevation 2946
Co. Rep./Geo. RICHARD ROBBA Cont. L.D. Est. Ft. of Pay _____
Location: Sec. 16 Twp. 18S Rge. 31W Co. SCOTT State KS

Interval Tested <u>3852-3901</u>	Drill Pipe Size <u>4.5 XH</u>
Anchor Length <u>49</u>	Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth <u>3847</u>	Drill Collar - 2.25 Ft. Run _____
Bottom Packer Depth <u>3852</u>	Mud Wt. <u>9.3</u> lb/Gal.
Total Depth <u>3901</u>	Viscosity <u>45</u> Filtrate <u>10</u>

Tool Open @ 5:27PM Initial Blow WEAK - BUILDING TO 1 1/2"

Final Blow NO BLOW

Recovery - Total Feet 62 Flush Tool? NO

Rec. <u>62</u>	Feet of <u>HEAVY OIL CUT MUD 20%OIL/80%MUD</u>
Rec. _____	Feet of _____
Rec. _____	Feet of _____
Rec. _____	Feet of _____
Rec. _____	Feet of _____

BHT 121 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 3000 ppm System

(A) Initial Hydrostatic Mud 1957.9 PSI AK1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure 41.3 PSI @ (depth) 3856 w / Clock No. 27567

(C) First Final Flow Pressure 51.1 PSI AK1 Recorder No. 13849 Range 4375

(D) Initial Shut-in Pressure 986.1 PSI @ (depth) 3897 w / Clock No. 27501

(E) Second Initial Flow Pressure 52.1 PSI AK1 Recorder No. _____ Range _____

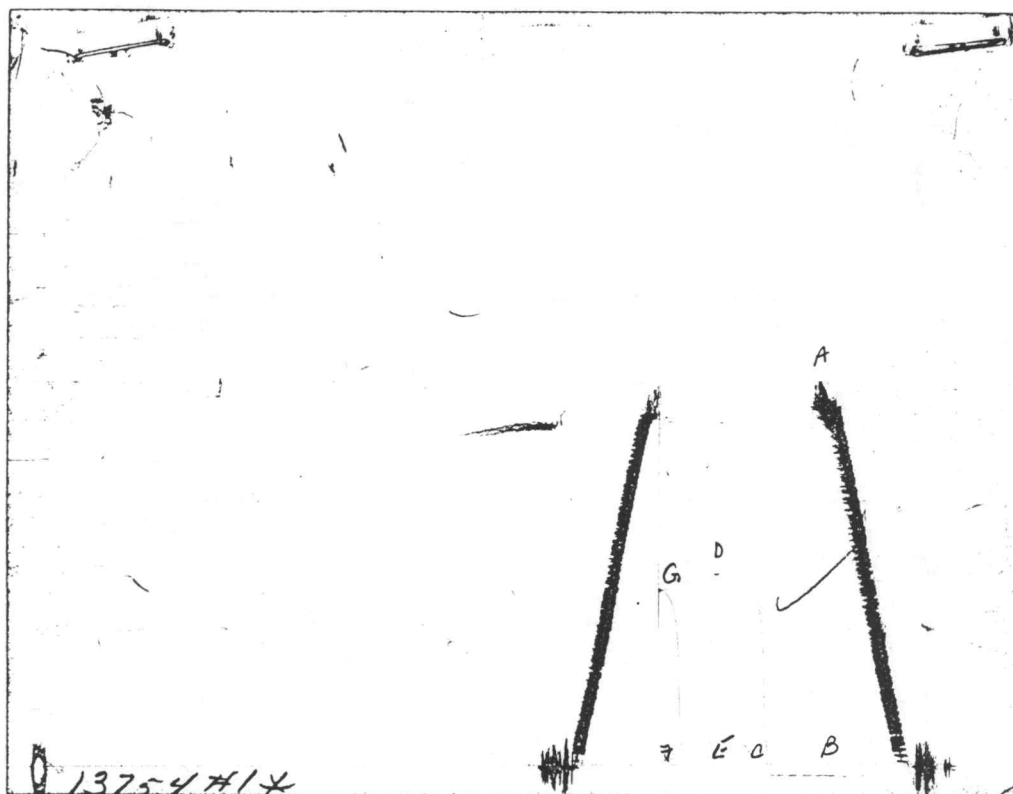
(F) Second Final Flow Pressure 59.1 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 899.2 PSI Initial Opening 30 Final Flow 20

(H) Final Hydrostatic Mud 1930.4 PSI Initial Shut-in 45 Final Shut-in 20

Our Representative DAN BANGLE

CHART PAGE



This is an actual photograph of recorder chart 13754

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1986	1957.9
(B) FIRST INITIAL FLOW PRESSURE	49	41.3
(C) FIRST FINAL FLOW PRESSURE	59	51.1
(D) INITIAL CLOSED-IN PRESSURE	976	986.1
(E) SECOND INITIAL FLOW PRESSURE	59	52.1
(F) SECOND FINAL FLOW PRESSURE	59	59.1
(G) FINAL CLOSED-IN PRESSURE	887	899.2
(H) FINAL HYDROSTATIC MUD	1936	1930.4

TRILOBITE TESTING, L.L.C.

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Drill-Stem Test Data

Well Name #1 REIFSCHNEIDER 'Q' Test No. 2 Date 7/7/94
Company SLAWSON EXPLORATION INC. Zone LKC 35'
Address 621 N ROBINSON #490 OKLAHOMA CITY OK 73102 Elevation 2946
Co. Rep./Geo. RICHARD ROBBA Cont. L.D. Est. Ft. of Pay _____
Location: Sec. 16 Twp. 18S Rge. 31W Co. SCOTT State KS

Interval Tested 3924-3946 Drill Pipe Size 4.5 XH
Anchor Length 22 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 3919 Drill Collar - 2.25 Ft. Run _____
Bottom Packer Depth 3924 Mud Wt. 9.3 lb/Gal.
Total Depth 3946 Viscosity 45 Filtrate 10

Tool Open @ 6:35AM Initial Blow WEAK - BUILDING TO BOTTOM OF BUCKET IN 25 MINUTES

Final Blow WEAK - BUILDING TO 8" FAIR BLOW

Recovery - Total Feet 350 Flush Tool? NO

Rec. 350 Feet of MUD CUT WATER 80%WATER/20%MUD
Rec. _____ Feet of WITH SHOW OF OIL ON TOP
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 130 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW 0.13 @ 76.6 °F Chlorides 55000 ppm Recovery Chlorides 3000 ppm System

(A) Initial Hydrostatic Mud 1986.0 PSI AK1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure 34.4 PSI @ (depth) 3928 w / Clock No. 27567

(C) First Final Flow Pressure 95.4 PSI AK1 Recorder No. 13849 Range 4375

(D) Initial Shut-in Pressure 891.3 PSI @ (depth) 3942 w / Clock No. 27501

(E) Second Initial Flow Pressure 103.3 PSI AK1 Recorder No. _____ Range _____

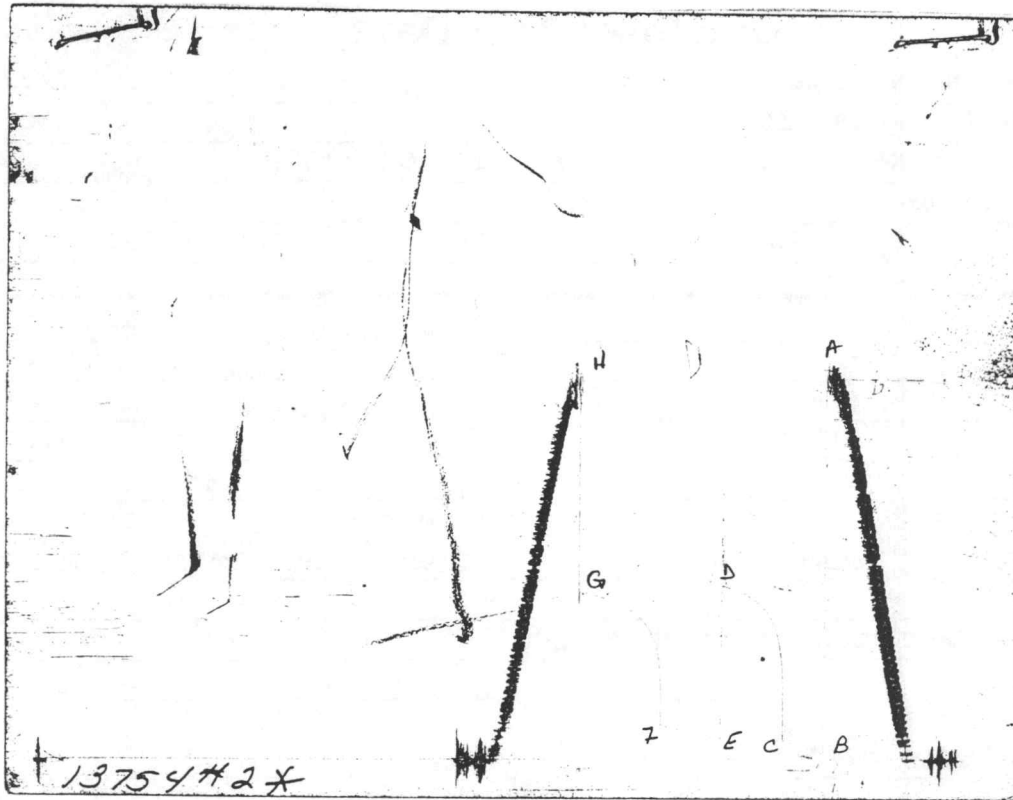
(F) Second Final Flow Pressure 176.1 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 861.6 PSI Initial Opening 30 Final Flow 45

(H) Final Hydrostatic Mud 1885.0 PSI Initial Shut-in 45 Final Shut-in 60

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CHART PAGE



This is an actual photograph of recorder chart 13754

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2036	1986
(B) FIRST INITIAL FLOW PRESSURE	29	34.4
(C) FIRST FINAL FLOW PRESSURE	98	95.4
(D) INITIAL CLOSED-IN PRESSURE	887	891.3
(E) SECOND INITIAL FLOW PRESSURE	108	103.3
(F) SECOND FINAL FLOW PRESSURE	177	176.1
(G) FINAL CLOSED-IN PRESSURE	857	861.6
(H) FINAL HYDROSTATIC MUD	1986	1885

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Drill-Stem Test Data

Well Name #1 REIFSCHNEIDER 'Q' Test No. 3 Date 7/7/94
Company SLAWSON EXPLORATION INC. Zone LKC 70'
Address 621 N ROBINSON #490 OKLAHOMA CITY OK 73102 Elevation 2946
Co. Rep./Geo. RICHARD ROBBA Cont. L.D. Est. Ft. of Pay _____
Location: Sec. 16 Twp. 18S Rge. 31W Co. SCOTT State KS

Interval Tested 3981-4003
Anchor Length 22
Top Packer Depth 3976
Bottom Packer Depth 3981
Total Depth 4003

Drill Pipe Size 4.5 XH
Wt. Pipe I.D. - 2.7 Ft. Run _____
Drill Collar - 2.25 Ft. Run _____
Mud Wt. 9.3 lb/Gal.
Viscosity 45 Filtrate 10

Tool Open @ 9:55PM Initial Blow STRONG - BOTTOM OF BUCKET IN 8 MINUTES

Final Blow STRONG - BOTTOM OF BUCKET IN 12 MINUTES
ON SHUT-IN

Recovery - Total Feet 826 Flush Tool? NO

Rec. 144 Feet of CLEAN OIL 100%
Rec. 248 Feet of WATER & MUD CUT OIL 60%OIL/20%WATER/20%MUD
Rec. 124 Feet of WATER & MUD CUT OIL 60%OIL/30%WATER/10%MUD
Rec. 310 Feet of WATER 100%
Rec. _____ Feet of _____

BHT 130 °F Gravity _____ °API @ _____ °F Corrected Gravity 35 °API
RW 0.18 @ 80 °F Chlorides 35000 ppm Recovery Chlorides 3000 ppm System

(A) Initial Hydrostatic Mud 2096.3 PSI AK1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure 36.4 PSI @ (depth) 3985 w / Clock No. 27567

(C) First Final Flow Pressure 185.1 PSI AK1 Recorder No. 13849 Range 4375

(D) Initial Shut-in Pressure 1038.1 PSI @ (depth) 3998 w / Clock No. 27501

(E) Second Initial Flow Pressure 192.9 PSI AK1 Recorder No. _____ Range _____

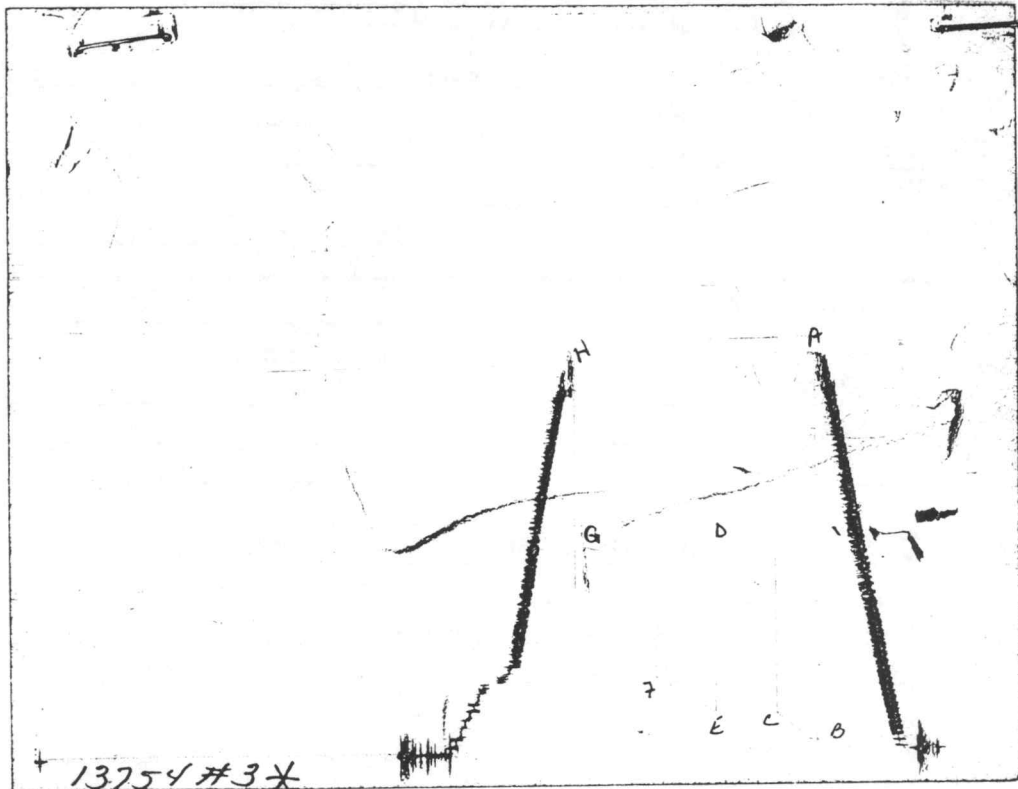
(F) Second Final Flow Pressure 377.9 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 1037.1 PSI Initial Opening 30 Final Flow 45

(H) Final Hydrostatic Mud 1997.4 PSI Initial Shut-in 45 Final Shut-in 60

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CHART PAGE



This is an actual photograph of recorder chart 13754

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2036	2096.3
(B) FIRST INITIAL FLOW PRESSURE	49	36.4
(C) FIRST FINAL FLOW PRESSURE	187	185.1
(D) INITIAL CLOSED-IN PRESSURE	1036	1038.1
(E) SECOND INITIAL FLOW PRESSURE	216	192.9
(F) SECOND FINAL FLOW PRESSURE	374	377.9
(G) FINAL CLOSED-IN PRESSURE	1036	1037.1
(H) FINAL HYDROSTATIC MUD	1986	1997.4

INITIAL FLOW

RECORDER 13754

DST # 3

TIME(MIN)	PRESSURE	<>PRESSURE
0	36.4	36.4
3	44.2	7.8
6	59.1	14.9
9	78.7	19.6
12	95.4	16.7
15	109.2	13.8
18	125.9	16.7
21	141.7	15.8
24	156.4	14.7
27	174.2	17.8
30	185.1	10.9

FINAL FLOW

RECORDER 13754

DST # 3

TIME(MIN)	PRESSURE	<> PRESSURE
0	192.9	192.9
3	207.6	14.7
6	221.4	13.8
9	234.2	12.8
12	247.1	12.9
15	258.8	11.7
18	270.6	11.8
21	280.5	9.9
24	294.2	13.7
27	307.1	12.9
30	318.9	11.8
33	330.7	11.8
36	341.5	10.8
39	353.3	11.8
42	366.1	12.8
45	377.9	11.8

#1 REIFSCHNEIDER 'Q' DST #3
INITIAL SHUTIN

30 INITIAL FLOW TIME SLOPE 4.8 PSI/CYCLE
P* 1039.2 PSI/CYCLE

	TIME(MIN)	Pws (psi)	Log Horn T	<> PRESSURE	Horn T
	3	1033.1	1.041	1033.1	11
	6	1036.1	0.778	3.0	6
X	9	1036.1	0.637	0.0	4
	12	1038.1	0.544	2.0	4
	15	1038.1	0.477	0.0	3
	18	1038.1	0.426	0.0	3
	21	1038.1	0.385	0.0	2
	24	1038.1	0.352	0.0	2
	27	1038.1	0.325	0.0	2
	30	1038.1	0.301	0.0	2
	33	1038.1	0.281	0.0	2
	36	1038.1	0.263	0.0	2
	39	1038.1	0.248	0.0	2
	42	1038.1	0.234	0.0	2
X	45	1038.1	0.222	0.0	2

#1 REIFSCHNEIDER 'Q' DST #3
FINAL SHUTIN

75 TOTAL FLOW TIME SLOPE 6.1 PSI/CYCLE
P* 1039.3 PSI

	TIME(MIN)	Pws (psi)	Log Horn T	<> PRESSURE	Horn T
	3	1030.1	1.415	1030.1	26
	6	1034.1	1.130	4.0	14
	9	1035.1	0.970	1.0	9
	12	1035.1	0.860	0.0	7
	15	1035.1	0.778	0.0	6
	18	1035.1	0.713	0.0	5
	21	1035.1	0.660	0.0	5
	24	1035.1	0.615	0.0	4
	27	1035.1	0.577	0.0	4
	30	1035.1	0.544	0.0	4
X	33	1036.1	0.515	1.0	3
	36	1036.1	0.489	0.0	3
	39	1036.1	0.466	0.0	3
	42	1036.1	0.445	0.0	3
	45	1036.1	0.426	0.0	3
	48	1037.1	0.409	1.0	3
	51	1037.1	0.393	0.0	2
	54	1037.1	0.378	0.0	2
	57	1037.1	0.365	0.0	2
✓	60	1037.1	0.352	0.0	2

TRILOBITE TESTING, L.L.C.

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Drill-Stem Test Data

Well Name #1 REIFSCHNEIDER 'Q' Test No. 4 Date 7/9/94
Company SLAWSON EXPLORATION INC. Zone 180' LKC
Address 621 N ROBINSON #490 OKLAHOMA CITY OK 73102 Elevation 2946 KB
Co. Rep./Geo. RICHARD ROBBA Cont. L.D. Est. Ft. of Pay _____
Location: Sec. 16 Twp. 18S Rge. 31W Co. SCOTT State KS

Interval Tested	<u>4143-4165</u>	Drill Pipe Size	<u>4.5 XH</u>
Anchor Length	<u>22</u>	Wt. Pipe I.D. - 2.7 Ft. Run	_____
Top Packer Depth	<u>4138</u>	Drill Collar - 2.25 Ft. Run	_____
Bottom Packer Depth	<u>4143</u>	Mud Wt.	<u>9.4</u> lb/Gal.
Total Depth	<u>4165</u>	Viscosity	<u>47</u>
		Filtrate	<u>10</u>

Tool Open @ 2:35 A.M. Initial Blow WEAK-BUILDING TO 10" FAIR BLOW

Final Blow WEAK- BUILDING TO 6" FAIR BLOW-POSSIBLE
LEAK PAST PACKERS ON SHUT-INS

Recovery - Total Feet _____ Flush Tool? NO

Rec. <u>258</u>	Feet of	<u>GAS IN PIPE</u>
Rec. <u>50</u>	Feet of	<u>CLEAN GASSY OIL 10% GAS/90% OIL</u>
Rec. <u>62</u>	Feet of	<u>MUD CUT OIL 90% OIL/10% MUD</u>
Rec. <u>62</u>	Feet of	<u>OIL CUT MUD 40% OIL/60% MUD</u>
Rec. _____	Feet of	_____

BHT 130 °F Gravity _____ °API @ _____ °F Corrected Gravity 30 °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 4000 ppm System

(A) Initial Hydrostatic Mud 2199.3 PSI AK1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure 15.7 PSI @ (depth) 4147 w / Clock No. 27567

(C) First Final Flow Pressure 40.3 PSI AK1 Recorder No. 13849 Range 4375

(D) Initial Shut-in Pressure 1653.9 PSI @ (depth) 4161 w / Clock No. 27501

(E) Second Initial Flow Pressure 43.3 PSI AK1 Recorder No. _____ Range _____

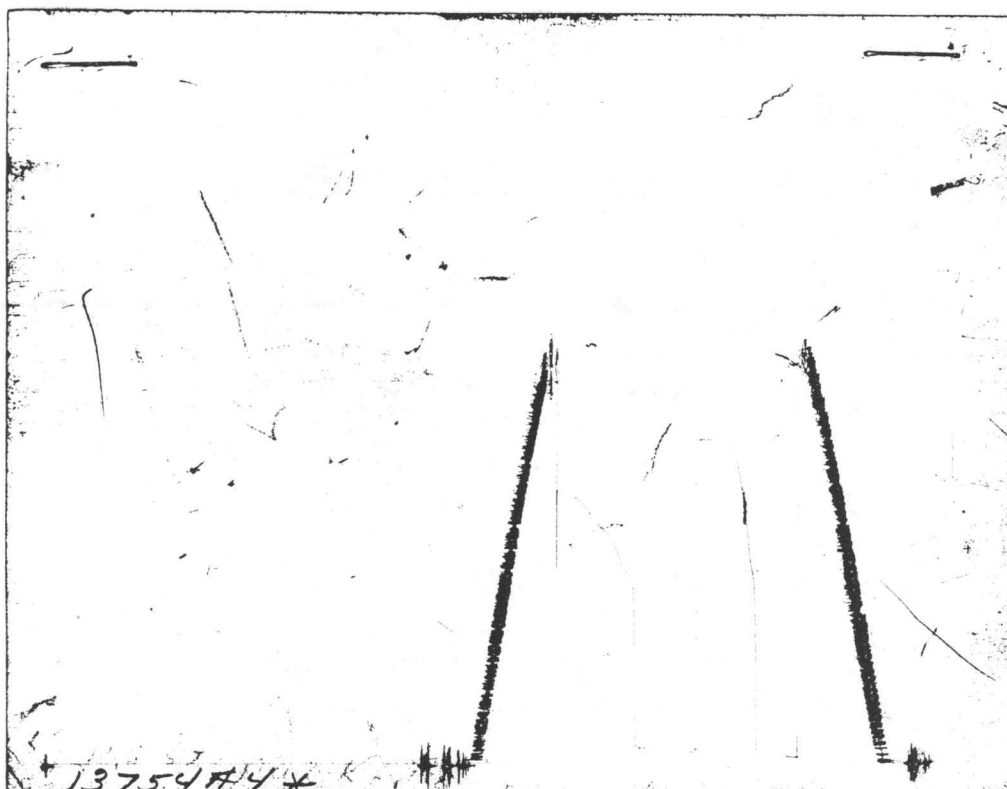
(F) Second Final Flow Pressure 72.8 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 1396.9 PSI Initial Opening 30 Final Flow 45

(H) Final Hydrostatic Mud 2132.5 PSI Initial Shut-in 45 Final Shut-in 60

Our Representative DAN BANGLE

CHART PAGE



This is an actual photograph of recorder chart 13754

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2188	2109.2
(B) FIRST INITIAL FLOW PRESSURE	19	15.7
(C) FIRST FINAL FLOW PRESSURE	49	40.3
(D) INITIAL CLOSED-IN PRESSURE	1666	1653.9
(E) SECOND INITIAL FLOW PRESSURE	59	43.3
(F) SECOND FINAL FLOW PRESSURE	78	72.8
(G) FINAL CLOSED-IN PRESSURE	1416	1396.9
(H) FINAL HYDROSTATIC MUD	2157	2132.5

TRILOBITE TESTING, L.L.C.

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Drill-Stem Test Data

Well Name #1 REIFSCHNEIDER 'Q' Test No. 5 Date 7/9/94
Company SLAWSON EXPLORATION INC. Zone LKC 200'
Address 621 N ROBINSON #490 OKLAHOMA CITY OK 73102 Elevation 2946
Co. Rep./Geo. RICHARD ROBBA Cont. L.D. Est. Ft. of Pay _____
Location: Sec. 16 Twp. 18S Rge. 31W Co. SCOTT State KS

Interval Tested 4172-4188 Drill Pipe Size 4.5 XH
Anchor Length 16 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4167 Drill Collar - 2.25 Ft. Run _____
Bottom Packer Depth 4172 Mud Wt. 9.4 lb/Gal.
Total Depth 4188 Viscosity 47 Filtrate 10

Tool Open @ 4:10PM Initial Blow STRONG - BOTTOM OF BUCKET IN 13 MINUTES

Final Blow STRONG - BOTTOM OF BUCKET IN 16 MINUTES

Recovery - Total Feet 568 Flush Tool? NO

Rec. 174 Feet of GAS IN PIPE
Rec. 382 Feet of CLEAN GASSY OIL 10%GAS/90%OIL
Rec. 62 Feet of GASSY OIL & MUD CUT WATER 10%GAS/20%OIL/30%WATER/40%MU
Rec. 124 Feet of SLIGHTLY MUD CUT WATER 10%MUD/90%WATER
Rec. _____ Feet of _____

BHT 132 °F Gravity _____ °API @ _____ °F Corrected Gravity 31 °API
RW 0.14 @ 80 °F Chlorides 26000 ppm Recovery Chlorides 4000 ppm System

(A) Initial Hydrostatic Mud 2187.2 PSI AK1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure 16.7 PSI @ (depth) 4176 w / Clock No. 27567

(C) First Final Flow Pressure 100.3 PSI AK1 Recorder No. 13849 Range 4375

(D) Initial Shut-in Pressure 962.4 PSI @ (depth) 4184 w / Clock No. 27501

(E) Second Initial Flow Pressure 105.3 PSI AK1 Recorder No. _____ Range _____

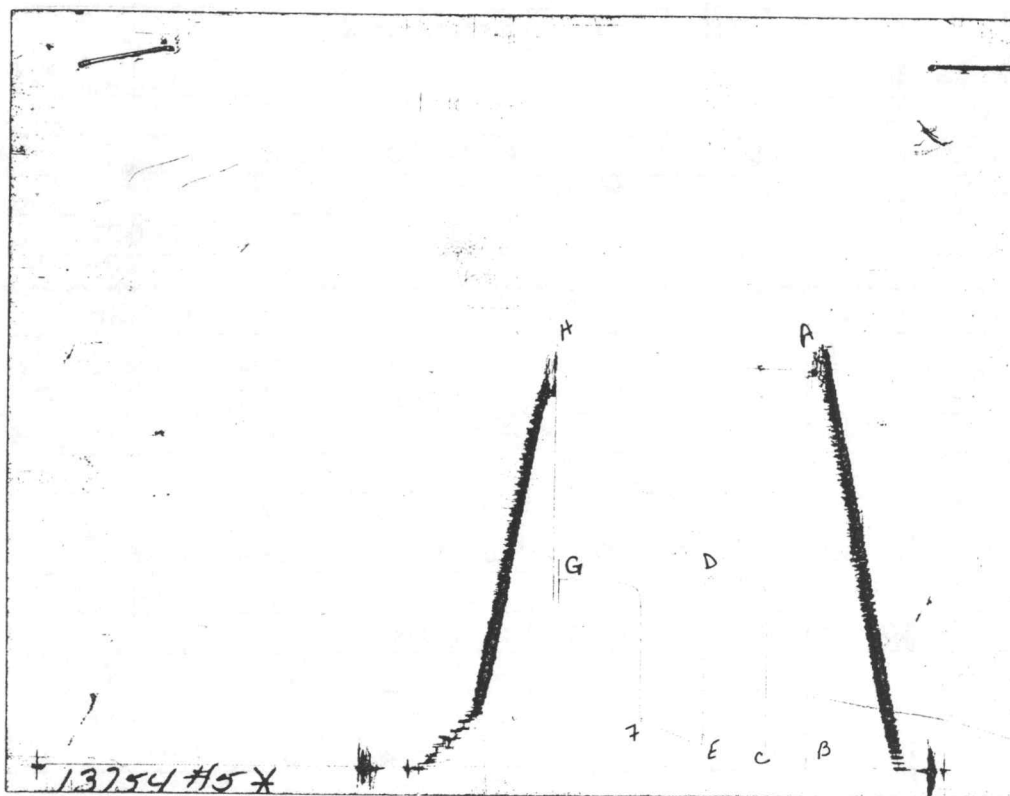
(F) Second Final Flow Pressure 228.3 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 951.5 PSI Initial Opening 30 Final Flow 45

(H) Final Hydrostatic Mud 2113.3 PSI Initial Shut-in 45 Final Shut-in 60

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CHART PAGE



This is an actual photograph of recorder chart 13754

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2188	2187.2
(B) FIRST INITIAL FLOW PRESSURE	29	16.7
(C) FIRST FINAL FLOW PRESSURE	118	100.3
(D) INITIAL CLOSED-IN PRESSURE	986	962.4
(E) SECOND INITIAL FLOW PRESSURE	127	105.3
(F) SECOND FINAL FLOW PRESSURE	246	228.3
(G) FINAL CLOSED-IN PRESSURE	966	951.5
(H) FINAL HYDROSTATIC MUD	2137	2113.3

INITIAL FLOW

RECORDER 13754

DST # 5

TIME(MIN)	PRESSURE	<>PRESSURE
0	16.7	16.7
3	21.6	4.9
6	30.5	8.9
9	39.3	8.8
12	48.2	8.9
15	56.1	7.9
18	64.9	8.8
21	73.8	8.9
24	83.6	9.8
27	91.5	7.9
30	100.3	8.8

FINAL FLOW

RECORDER 13754

DST # 5

TIME(MIN)	PRESSURE	<> PRESSURE
0	105.3	105.3
3	111.2	5.9
6	120.0	8.8
9	126.9	6.9
12	135.8	8.9
15	143.7	7.9
18	152.5	8.8
21	160.4	7.9
24	167.3	6.9
27	174.2	6.9
30	183.0	8.8
33	190.9	7.9
36	197.8	6.9
39	205.7	7.9
42	213.5	7.8
45	228.3	14.8

#1 REIFSCHNEIDER 'Q'
INITIAL

DST #5
SHUTIN

30 INITIAL FLOW TIME

SLOPE 12.6 PSI/CYCLE
P* 965.2 PSI/CYCLE

Log <>
TIME(MIN) Pws (psi) Horn T PRESSURE Horn T

3 929.8 1.041 929.8 11
6 943.6 0.778 13.8 6
9 950.5 0.637 6.9 4
12 954.5 0.544 4.0 4
15 956.5 0.477 2.0 3
18 957.5 0.426 1.0 3
21 958.5 0.385 1.0 2
24 959.4 0.352 0.9 2
27 960.4 0.325 1.0 2
X 30 961.4 0.301 1.0 2
33 962.4 0.281 1.0 2
36 962.4 0.263 0.0 2
39 962.4 0.248 0.0 2
42 962.4 0.234 0.0 2
X 45 962.4 0.222 0.0 2

#1 REIFSCHNEIDER 'Q'
FINAL

DST #5
SHUTIN

75 TOTAL FLOW TIME

SLOPE 17.7 PSI/CYCLE
P* 957.7 PSI

Log <>
Horn T PRESSURE Horn T

3 908.1 1.415 908.1 26
6 920.9 1.130 12.8 14
9 927.8 0.970 6.9 9
12 932.8 0.860 5.0 7
15 935.7 0.778 2.9 6
18 938.7 0.713 3.0 5
21 939.7 0.660 1.0 5
24 941.7 0.615 2.0 4
27 943.6 0.577 1.9 4
30 944.6 0.544 1.0 4
33 945.6 0.515 1.0 3
36 946.6 0.489 1.0 3
39 947.6 0.466 1.0 3
42 948.6 0.445 1.0 3
45 949.6 0.426 1.0 3
X 48 950.5 0.409 0.9 3
51 951.5 0.393 1.0 2
54 951.5 0.378 0.0 2
57 951.5 0.365 0.0 2

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name #1 REIFSCHNEIDER 'Q' Test No. 6 Date 7/10/94
Company SLAWSON EXPLORATION INC. Zone MIDDLE CREEK
Address 621 N ROBINSON #490 OKLAHOMA CITY OK 73102 Elevation 2946
Co. Rep./Geo. RICHARD ROBBA Cont. L.D. Est. Ft. of Pay KS
Location: Sec. 16 Twp. 18S Rge. 31W Co. SCOTT State KS

Interval Tested <u>4219-4227</u>	Drill Pipe Size <u>4.5 XH</u>
Anchor Length <u>8</u>	Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth <u>4214</u>	Drill Collar - 2.25 Ft. Run <u>9.4</u>
Bottom Packer Depth <u>4219</u>	Mud Wt. _____ lb/Gal.
Total Depth <u>4227</u>	Viscosity <u>50</u> Filtrate <u>9.5</u>

Tool Open @ 7:16AM Initial Blow STRONG - BOTTOM OF BUCKET IN 4 MINUTES

Final Blow STRONG - BOTTOM OF BUCKET IN 8 MINUTES

Recovery - Total Feet 620 Flush Tool? NO

Rec. <u>434</u>	Feet of <u>GAS IN PIPE</u>
Rec. <u>620</u>	Feet of <u>CLEAN GASSY OIL 25%GAS/75%OIL</u>
Rec. _____	Feet of _____
Rec. _____	Feet of _____
Rec. _____	Feet of _____

BHT 138 °F Gravity _____ °API @ _____ °F Corrected Gravity 34 °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 4000 ppm System

(A) Initial Hydrostatic Mud 2233.8 PSI AK1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure 30.5 PSI @ (depth) 4202 w / Clock No. 27567

(C) First Final Flow Pressure 133.8 PSI AK1 Recorder No. 13849 Range 4375

(D) Initial Shut-in Pressure 746.0 PSI @ (depth) 4223 w / Clock No. 8179

(E) Second Initial Flow Pressure 141.7 PSI AK1 Recorder No. _____ Range _____

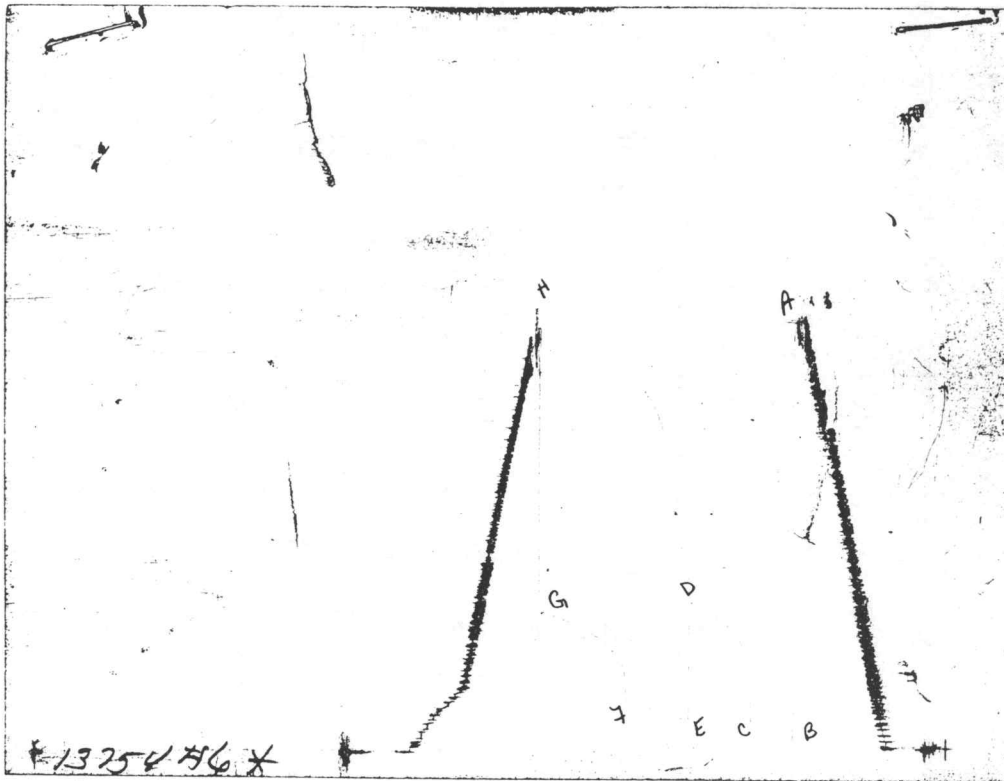
(F) Second Final Flow Pressure 234.2 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 708.5 PSI Initial Opening 30 Final Flow 45

(H) Final Hydrostatic Mud 2127.5 PSI Initial Shut-in 45 Final Shut-in 60

Our Representative DAN BANGLE

CHART PAGE



This is an actual photograph of recorder chart 13754

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2238	2233.8
(B) FIRST INITIAL FLOW PRESSURE	39	30.5
(C) FIRST FINAL FLOW PRESSURE	147	133.8
(D) INITIAL CLOSED-IN PRESSURE	758	746
(E) SECOND INITIAL FLOW PRESSURE	157	141.7
(F) SECOND FINAL FLOW PRESSURE	246	234.2
(G) FINAL CLOSED-IN PRESSURE	709	708.5
(H) FINAL HYDROSTATIC MUD	2137	2127.5

INITIAL FLOW

RECORDER 13754

DST # 6

TIME(MIN)	PRESSURE	<>PRESSURE
0	30.5	30.5
3	33.4	2.9
6	46.2	12.8
9	59.0	12.8
12	70.8	11.8
15	80.7	9.9
18	91.5	10.8
21	101.3	9.8
24	110.2	8.9
27	117.1	6.9
30	126.9	9.8
33	133.8	6.9

FINAL FLOW

RECORDER 13754

DST # 6

TIME(MIN)	PRESSURE	<> PRESSURE
0	141.7	141.7
3	143.7	2.0
6	150.5	6.8
9	159.4	8.9
12	167.3	7.9
15	175.2	7.9
18	182.0	6.8
21	187.0	5.0
24	193.9	6.9
27	199.8	5.9
30	203.7	3.9
33	210.6	6.9
36	215.5	4.9
39	220.4	4.9
42	224.4	4.0
45	229.3	4.9
48	234.2	4.9

#1 REIFSCHNEIDER 'Q'
INITIAL

DST #6
SHUTIN

30 INITIAL FLOW TIME

SLOPE 686.3 PSI/CYCLE
P* 898.3 PSI/CYCLE

	TIME(MIN)	Pws (psi)	Log Horn T	<> PRESSURE	Horn T
	3	471.4	1.041	471.4	11
	6	524.7	0.778	53.3	6
	9	558.3	0.637	33.6	4
	12	587.9	0.544	29.6	4
	15	612.6	0.477	24.7	3
	18	631.4	0.426	18.8	3
	21	650.2	0.385	18.8	2
	24	667.0	0.352	16.8	2
	27	680.8	0.325	13.8	2
	30	694.6	0.301	13.8	2
	33	706.5	0.281	11.9	2
	36	718.3	0.263	11.8	2
X	39	728.2	0.248	9.9	2
	42	738.1	0.234	9.9	2
X	45	746.0	0.222	7.9	2

#1 REIFSCHNEIDER 'Q'
FINAL

DST #6
SHUTIN

75 TOTAL FLOW TIME

SLOPE 550.3 PSI/CYCLE
P* 889.9 PSI

			Log Horn T	<> PRESSURE	Horn T
	3	425.2	1.415	425.2	26
	6	464.5	1.130	39.3	14
	9	493.1	0.970	28.6	9
	12	514.8	0.860	21.7	7
	15	534.5	0.778	19.7	6
	18	552.3	0.713	17.8	5
	21	567.1	0.660	14.8	5
	24	583.0	0.615	15.9	4
	27	595.8	0.577	12.8	4
	30	608.7	0.544	12.9	4
	33	619.5	0.515	10.8	3
	36	629.4	0.489	9.9	3
	39	639.3	0.466	9.9	3
	42	648.2	0.445	8.9	3
	45	657.1	0.426	8.9	3
	48	667.0	0.409	9.9	3
	51	674.9	0.393	7.9	2
X	54	681.8	0.378	6.9	2
	57	688.7	0.365	6.9	2
	60	696.6	0.352	7.9	2
	63	702.5	0.341	5.9	2
X	66	708.5	0.330	6.0	2

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name #1 REIFSCHNEIDER 'Q' Test No. 7 Date 7/10/94
Company SLAWSON EXPLORATION INC. Zone 220' LKC
Address 621 N ROBINSON #490 OKLAHOMA CITY OK 73102 Elevation 2946 KB
Co. Rep./Geo. RICHARD ROBBA Cont. L.D. Est. Ft. of Pay _____
Location: Sec. 16 Twp. 18S Rge. 31W Co. SCOTT State KS

Interval Tested	<u>4231-4235</u>	Drill Pipe Size	<u>4.5 XH</u>
Anchor Length	<u>4</u>	Wt. Pipe I.D. - 2.7 Ft. Run	_____
Top Packer Depth	<u>4226</u>	Drill Collar - 2.25 Ft. Run	_____
Bottom Packer Depth	<u>4231</u>	Mud Wt. _____	<u>9.4</u> lb/Gal.
Total Depth	<u>4235</u>	Viscosity _____	<u>50</u> Filtrate <u>9.5</u>

Tool Open @ 8:40 P.M. Initial Blow WEAK-BUILDING TO 4"

Final Blow WEAK-BUILDING TO 1"

Recovery - Total Feet 154 Flush Tool? NO

Rec. <u>154</u>	Feet of	<u>WATER WITH SHOW FREE 100% WATER OIL ON TOP</u>
Rec. _____	Feet of	_____
Rec. _____	Feet of	_____
Rec. _____	Feet of	_____
Rec. _____	Feet of	_____

BHT 131 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW 0.16 @ 75.8 °F Chlorides 28000 ppm Recovery Chlorides 4000 ppm System

(A) Initial Hydrostatic Mud 2072.8 PSI AK1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure 8.9 PSI @ (depth) 4217 w / Clock No. 8179

(C) First Final Flow Pressure 30.5 PSI AK1 Recorder No. _____ Range _____

(D) Initial Shut-in Pressure 997.1 PSI @ (depth) _____ w / Clock No. _____

(E) Second Initial Flow Pressure 47.2 PSI AK1 Recorder No. _____ Range _____

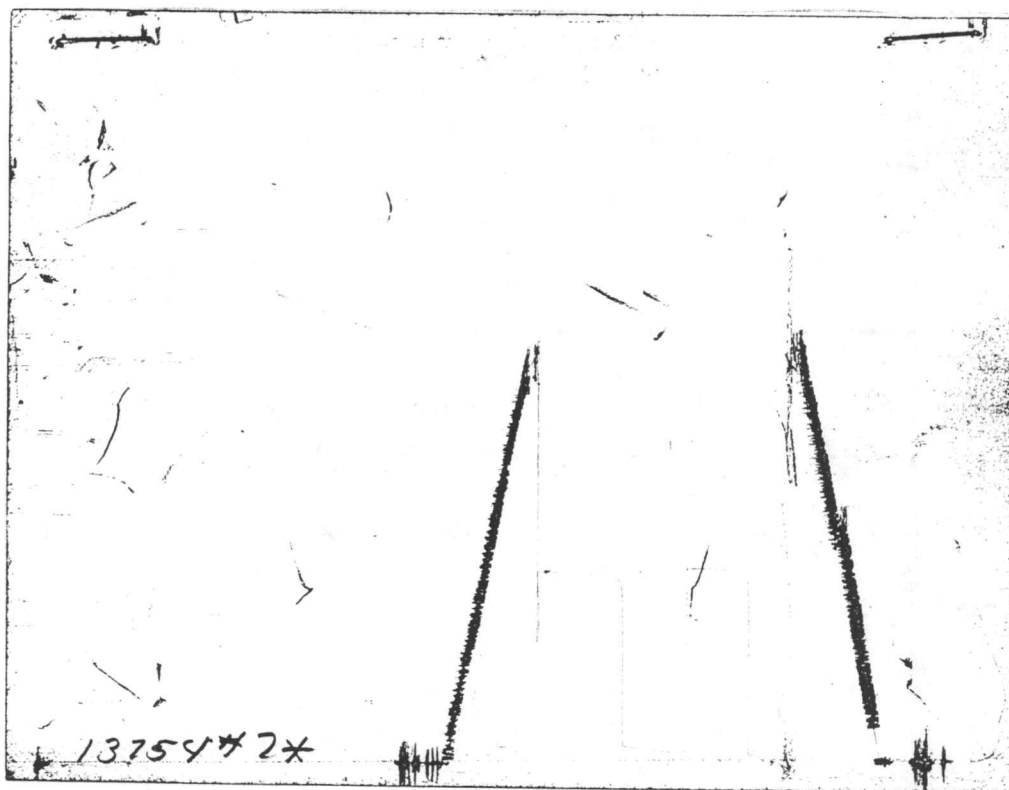
(F) Second Final Flow Pressure 93.5 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 977.1 PSI Initial Opening 30 Final Flow 45

(H) Final Hydrostatic Mud 2056.7 PSI Initial Shut-in 45 Final Shut-in 60

Our Representative DAN BANGLE

CHART PAGE



This is an actual photograph of recorder chart 13754

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2218	2072.8
(B) FIRST INITIAL FLOW PRESSURE	9	8.85
(C) FIRST FINAL FLOW PRESSURE	19	30.5
(D) INITIAL CLOSED-IN PRESSURE	986	997.1
(E) SECOND INITIAL FLOW PRESSURE	49	47.2
(F) SECOND FINAL FLOW PRESSURE	78	93.5
(G) FINAL CLOSED-IN PRESSURE	976	977.1
(H) FINAL HYDROSTATIC MUD	2178	2056.7

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name #1 REIFSCHNEIDER 'Q' Test No. 8 Date 7/11/94
Company SLAWSON EXPLORATION INC. Zone ALTAMONT 'B'
Address 621 N ROBINSON #490 OKLAHOMA CITY OK 73102 Elevation 2946
Co. Rep./Geo. RICHARD ROBBA Cont. L.D. Est. Ft. of Pay _____
Location: Sec. 16 Twp. 18S Rge. 31W Co. SCOTT State KS

Interval Tested	<u>4256-4351</u>	Drill Pipe Size	<u>4.5 XH</u>
Anchor Length	<u>95</u>	Wt. Pipe I.D. - 2.7 Ft. Run	_____
Top Packer Depth	<u>4251</u>	Drill Collar - 2.25 Ft. Run	_____
Bottom Packer Depth	<u>4256</u>	Mud Wt.	_____ lb/Gal.
Total Depth	<u>4351</u>	Viscosity	_____ Filtrate _____

Tool Open @ 8:55PM Initial Blow STRONG - BOTTOM OF BUCKET IN 16 MINUTES

Final Blow STRONG - BOTTOM OF BUCKET IN 16 MINUTES

Recovery - Total Feet 206 Flush Tool? NO

Rec. <u>620</u>	Feet of	<u>GAS IN PIPE</u>
Rec. <u>20</u>	Feet of	<u>SLIGHTLY OIL CUT GASSY MUD 5%GAS/4%OIL/91%MUD</u>
Rec. <u>62</u>	Feet of	<u>OIL & GAS CUT MUD 25%GAS/25%OIL/50%MUD</u>
Rec. <u>62</u>	Feet of	<u>GAS & OIL CUT MUD 15%GAS/25%OIL/60%MUD</u>
Rec. <u>62</u>	Feet of	<u>GAS & MUD CUT OIL 15%GAS/60%OIL/25%MUD</u>

BHT 130 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides _____ ppm System

(A) Initial Hydrostatic Mud 2216.8 PSI AK1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure 46.6 PSI @ (depth) 4260 w / Clock No. 8179

(C) First Final Flow Pressure 55.5 PSI AK1 Recorder No. 13849 Range 4375

(D) Initial Shut-in Pressure 1100.6 PSI @ (depth) 4347 w / Clock No. 27501

(E) Second Initial Flow Pressure 85.5 PSI AK1 Recorder No. _____ Range _____

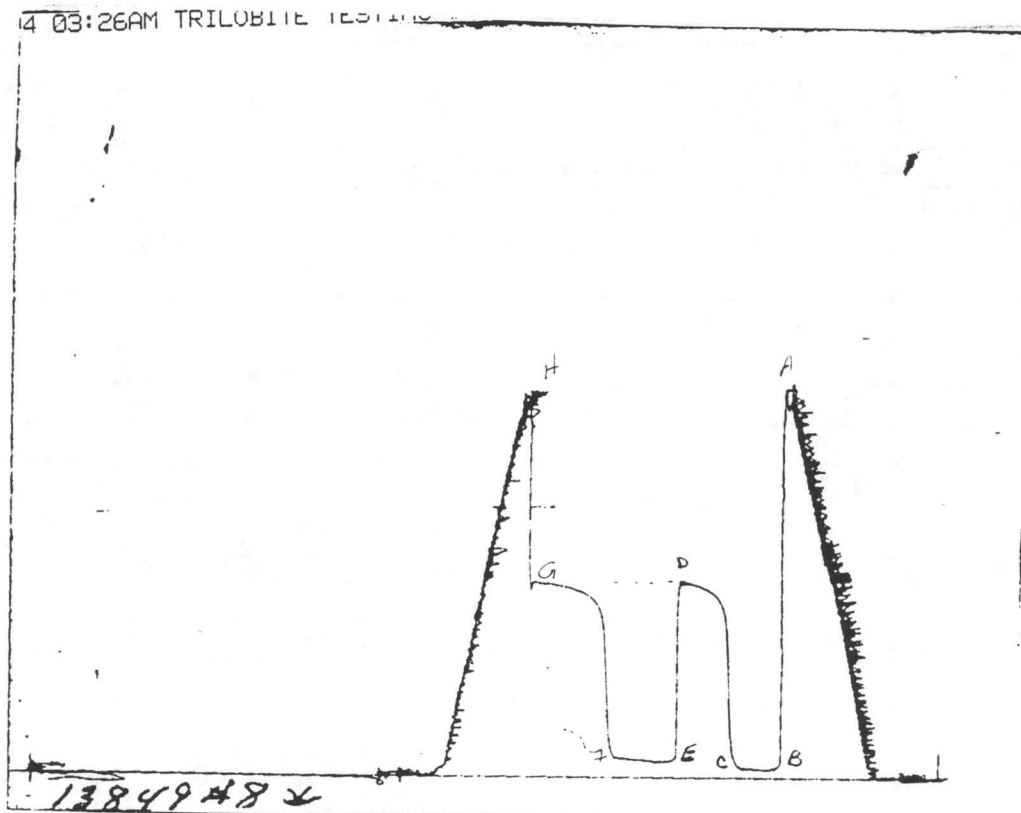
(F) Second Final Flow Pressure 106.6 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 1087.3 PSI Initial Opening 30 Final Flow 45

(H) Final Hydrostatic Mud 2170.3 PSI Initial Shut-in 45 Final Shut-in 60

Our Representative DAN BANGLE

CHART PAGE



This is an actual photograph of recorder chart 13754

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2202	2216.8
(B) FIRST INITIAL FLOW PRESSURE	55	46.6
(C) FIRST FINAL FLOW PRESSURE	66	55.5
(D) INITIAL CLOSED-IN PRESSURE	1106	1100.6
(E) SECOND INITIAL FLOW PRESSURE	111	85.5
(F) SECOND FINAL FLOW PRESSURE	122	106.6
(G) FINAL CLOSED-IN PRESSURE	1106	1087.3
(H) FINAL HYDROSTATIC MUD	2169	2170.3

INITIAL FLOW

RECORDER 13849

DST # 8

TIME(MIN)	PRESSURE	<>PRESSURE
0	46.6	46.6
3	46.6	0.0
6	46.6	0.0
9	46.6	0.0
12	46.6	0.0
15	47.7	1.1
18	49.9	2.2
21	52.2	2.3
24	53.3	1.1
27	54.4	1.1
30	55.5	1.1

FINAL FLOW

RECORDER 13849

DST # 8

TIME(MIN)	PRESSURE	<> PRESSURE
0	85.5	85.5
3	85.5	0.0
6	85.5	0.0
9	85.5	0.0
12	85.5	0.0
15	86.6	1.1
18	90.1	3.5
21	92.2	2.1
24	94.4	2.2
27	96.6	2.2
30	97.7	1.1
33	98.8	1.1
36	100.1	1.3
39	102.2	2.1
42	105.5	3.3
45	106.6	1.1

#1 REIFSCHNEIDER 'Q'
INITIAL

DST #8
SHUTIN

30 INITIAL FLOW TIME

SLOPE 353.0 PSI/CYCLE
P* 1183.2 PSI/CYCLE

Log <>

TIME(MIN) Pws (psi) Horn T PRESSURE Horn T

	3	103.3	1.041	103.3	11
	6	215.5	0.778	112.2	6
	9	756.6	0.637	541.1	4
	12	943.8	0.544	187.2	4
	15	996.6	0.477	52.8	3
	18	1025.4	0.426	28.8	3
	21	1044.2	0.385	18.8	2
	24	1057.5	0.352	13.3	2
	27	1068.5	0.325	11.0	2
	30	1076.3	0.301	7.8	2
X	33	1084.1	0.281	7.8	2
	36	1089.6	0.263	5.5	2
	39	1095.1	0.248	5.5	2
X	42	1100.6	0.234	5.5	2

#1 REIFSCHNEIDER 'Q'
FINAL

DST #8
SHUTIN

75 TOTAL FLOW TIME

SLOPE 161.6 PSI/CYCLE
P* 1146.2 PSI

Log <>

Horn T PRESSURE Horn T

	3	142.2	1.415	142.2	26
	6	248.8	1.130	106.6	14
	9	774.2	0.970	525.4	9
	12	925.1	0.860	150.9	7
	15	971.3	0.778	46.2	6
	18	997.8	0.713	26.5	5
	21	1017.7	0.660	19.9	5
	24	1032.1	0.615	14.4	4
	27	1040.9	0.577	8.8	4
	30	1049.7	0.544	8.8	4
	33	1057.7	0.515	8.0	3
	36	1065.2	0.489	7.5	3
	39	1068.5	0.466	3.3	3
	42	1076.1	0.445	7.6	3
X	45	1077.4	0.426	1.3	3
	48	1081.8	0.409	4.4	3
	51	1085.1	0.393	3.3	2
	54	1086.2	0.378	1.1	2
X	57	1087.3	0.365	1.1	2