TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name NIX #1-15 Test No. 1 Date 9/18/92

Company SLAWSON EXPLORATION INC. Zone TORONTO

Address 621 N ROBINSON #490 OKLAHOMA CITY OK 73102 Elevation 2819

Co. Rep./Geo. TIM HEDRICK Cont. H-40 RIG #1 Est. Ft. of Pay

Location: Sec. 15 Twp. 33S Rge. 33W Co. SEWARD State KS

Interval Tested 4274-4319 Drill Pipe Size 4.5 XH

Anchor Length 45 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 4269 Drill Collar – 2.25 Ft. Run 330

Bottom Packer Depth 4274 Mud Wt. 8.7 lb/Gal.

Total Depth 4319 Viscosity 48 Filtrate 12.8

Tool Open @ 4:15 PM Initial Blow STRONG 12" BLOW IN 10 MINUTES
1" BLOW BACK ON SHUT IN

Final Blow STRONG 12" BLOW IN 15 MINUTES
1" BLOW BACK ON SHUT IN

Recovery - Total Feet 516 Flush Tool? NO

Rec. 248 Feet of GAS IN PIPE

Rec. 75 Feet of GASSY MUD-10%GAS/90%MUD

Rec. 441 Feet of GASSY WATER-10%GAS/90%WATER

Rec. Feet of

Rec. Feet of

BHT 110 °F Gravity °API @ °F Corrected Gravity °API

RW 0.4 @ 62 °F Chlorides 16000 ppm Recovery Chlorides ppm System

(A) Initial Hydrostatic Mud 2095.6 PSI AK1 Recorder No. 13851 Range 4425

(B) First Initial Flow Pressure 79.3 PSI @ (depth) 4280 w / Clock No. 26191

(C) First Final Flow Pressure 281.2 PSI AK1 Recorder No. 13850 Range 4325

(D) Initial Shut-in Pressure 1096.3 PSI @ (depth) 4316 w / Clock No. 17658

(E) Second Initial Flow Pressure 330.4 PSI AK1 Recorder No. Range

(F) Second Final Flow Pressure 417.9 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 1105.6 PSI Initial Opening 30 Final Flow 45

(H) Final Hydrostatic Mud 2040.6 PSI Initial Shut-in 45 Final Shut-in 90

Our Representative STEVE BOWMAN

CHART PAGE

DST #1
13851

This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2093	2095.6
(B) FIRST INITIAL FLOW PRESSURE	74	79.3
(C) FIRST FINAL FLOW PRESSURE	267	281.2
(D) INITIAL CLOSED-IN PRESSURE	1088	1096.3
(E) SECOND INITIAL FLOW PRESSURE	320	330.4
(F) SECOND FINAL FLOW PRESSURE	427	417.9
(G) FINAL CLOSED-IN PRESSURE	1099	1105.6
(H) FINAL HYDROSTATIC MUD	2039	2040.6

CHART PAGE

This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD		
(B) FIRST INITIAL FLOW PRESSURE		
(C) FIRST FINAL FLOW PRESSURE		
(D) INITIAL CLOSED-IN PRESSURE		
(E) SECOND INITIAL FLOW PRESSURE		
(F) SECOND FINAL FLOW PRESSURE		
(G) FINAL CLOSED-IN PRESSURE		
(H) FINAL HYDROSTATIC MUD		

FLUID SAMPLER DATA

Ticket No.: 5073 Date: 9/18/92

Company: SLAWSON EXPLORATION INC.

Lease: NIX #1-15 Test No.: 1

County: SEWARD Sec.: 15 Twp.: 33S Rng.: 33W

SAMPLER RECOVERY

Gas 500

Oil

Mud

Water 3500

Other 202 CU FT

Pressure 200

TOTAL 4000

SAMPLER ANALYSIS

Resistivity 0.4 ohms@ 62 F

Chlorides 16000 ppm.

Gravity corrected @60F

PIT MUD ANALYSIS

Chlorides

Resistivity ohms@ F

Viscosity 48

Mud Wt. 8.7

Filtrate 12.8

Other

PIPE RECOVERY

TOP

Resistivity 0.4 ohms@ 62 F

Chlorides 16000 ppm

MIDDLE

Resistivity 0.4 ohms@ 62 F

Chlorides 16000 ppm

BOTTOM

Resistivity 0.4 ohms@ 62 F

Chlorides 16000 ppm

TRILOBITE TESTING COMPANY

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. #5073 Date 9-18-92

Company Name Slawson Exploration Company INC.

Lease Nix 1-15 Test No. #1

County Seward Sec. 15 Twp. 33s Rng. 33w

SAMPLER RECOVERY

Gas 500 ML

Oil ML

Mud ML

Water 3500 ML

Other 2.2 C.F. ML

Pressure 200 PSI

Total 4000 ML

PIT MUD ANALYSIS

Chlorides ppm.

Resistivity ohms @ F

Viscosity 48

Mud Weight 8.7

Filtrate 12.8

Other

SAMPLER ANALYSIS

Resistivity .14 ohms @ 62 F

Chlorides 16000 ppm.

Gravity corrected @ 60 F

PIPE RECOVERY

TOP

Resistivity .14 ohms @ 62 F

Chlorides 16000 ppm.

MIDDLE

Resistivity .14 ohms @ 62 F

Chlorides 16000 ppm.

BOTTOM

Resistivity .14 ohms @ 62 F

Chlorides 16000 ppm.

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No. 5073

Well Name & No. Nix 1-15 Test No. #1 Date 9-18-92

Company Slawson Exploration Company INC Zone Tested Toronto

Address 621 N Robinson Suite 490 Oklahoma City OK Elevation 2819 GL

Co. Rep./Geo. Tim Hedrick Cont. H-40 Rig #1 Est. Ft. of Pay

Location: Sec. 15 Twp. 33s Rge. 33w Co. Seward State KS

No. of Copies 10 Distribution Sheet ____ Yes ✓ No Turnkey ____ Yes ✓ No ____ Evaluation

Interval Tested 4274 to 4319 Drill Pipe Size 4½ XH

Anchor Length 45' Top Choke — 1" ____ Bottom Choke — ¾" ____

Top Packer Depth 4269 Hole Size — 7⅞" ____ Rubber Size — 6¾" ____

Bottom Packer Depth 4274 Wt. Pipe I.D. — 2.7 Ft. Run —

Total Depth 4319 Drill Collar — 2.25 Ft. Run 330

Mud Wt. 8.7 lb/gal. Viscosity 48 Filtrate 12.8

Tool Open @ 4:15 P.M. Initial Blow Strong 12 inch Blow in 10 min
1 inch Blow Back on Shut-in

Final Blow Strong 12 inch Blow in 15 min
1 inch Blow Back on Shut-in

Recovery — Total Feet 516 Feet of Gas in Pipe 248 Flush Tool? NO

Rec. 75	Feet Of	Grassy mud	10 %gas	%oil	%water	90 %mud
Rec. 441	Feet Of	Grassy water	10 %gas	%oil	90 %water	%mud
Rec. ____	Feet Of	____	%gas	%oil	%water	%mud
Rec. ____	Feet Of	____	%gas	%oil	%water	%mud
Rec. ____	Feet Of	____	%gas	%oil	%water	%mud

BHT 110 °F Gravity ____ °API @ ____ °F Corrected Gravity ____ °API

RW .4 @ 62 °F Chlorides 16 000 ppm Recovery Chlorides ____ ppm System

(A) Initial Hydrostatic Mud	2093 PSI	AK1 Recorder No.	13851	Range	4425
(B) First Initial Flow Pressure	74 PSI	@ (depth)	4280	w/Clock No.	26191
(C) First Final Flow Pressure	267 PSI	AK1 Recorder No.	~~BP~~ 13850	Range	4325
(D) Initial Shut-In Pressure	1088 PSI	@ (depth)	4316	w/Clock No.	17658
(E) Second Initial Flow Pressure	320 PSI	AK1 Recorder No.	____	Range	____
(F) Second Final Flow Pressure	427 PSI	@ (depth)	____	w/Clock No.	____
(G) Final Shut-In Pressure	1099 PSI	Initial Opening	30	Test ✓	550.00
(H) Final Hydrostatic Mud	2039 PSI	Initial Shut-In	45	Jars ✓	200.00
		Final Flow	45	Safety Joint ✓	50.00
		Final Shut-In	90	Straddle	____
				Circ. Sub	____
				Sampler ✓	200.00
				Extra Packer	____
				Other	____
				TOTAL PRICE $ ✓	1,000.00

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Kelly Kahrs

Our Representative Steve Bowman Thank you

Printcraft Printers - Hays, KS

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name NIX #1-15 Test No. 2 Date 9/22/92

Company SLAWSON EXPLORATION INC. Zone CHESTER

Address 621 N ROBINSON #490 OKLAHOMA CITY OK 73102 Elevation 2819

Co. Rep./Geo. TIM HEDRICK Cont. H-40 RIG #1 Est. Ft. of Pay 7

Location: Sec. 15 Twp. 33S Rge. 33W Co. SEWARD State KS

Interval Tested 6052-6116 Drill Pipe Size 4.5 XH

Anchor Length 64 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 6047 Drill Collar – 2.25 Ft. Run 330

Bottom Packer Depth 6052 Mud Wt. 9.1 lb/Gal.

Total Depth 6116 Viscosity 48 Filtrate 9.6

Tool Open @ 1:15 PM Initial Blow GAS TO SURFACE IN 4 MINUTES

SEE GAS VOLUME REPORT

Final Blow

Recovery - Total Feet 3000 Flush Tool? NO

Rec. 3025 Feet of GAS IN PIPE

Rec. 3000 Feet of GASSY OIL-40%GAS/60%OIL

Rec. Feet of

Rec. Feet of

Rec. Feet of

BHT 135 °F Gravity 23 °API @ 66 °F Corrected Gravity 22.7 °API

RW @ °F Chlorides ppm Recovery Chlorides 2200 ppm System

(A) Initial Hydrostatic Mud 3030.4 PSI AK1 Recorder No. 13851 Range 4425

(B) First Initial Flow Pressure 235.0 PSI @ (depth) 6056 w / Clock No. 26191

(C) First Final Flow Pressure 385.6 PSI AK1 Recorder No. 13850 Range 4325

(D) Initial Shut-in Pressure 1941.5 PSI @ (depth) 6113 w / Clock No. 17658

(E) Second Initial Flow Pressure 482.8 PSI AK1 Recorder No. Range

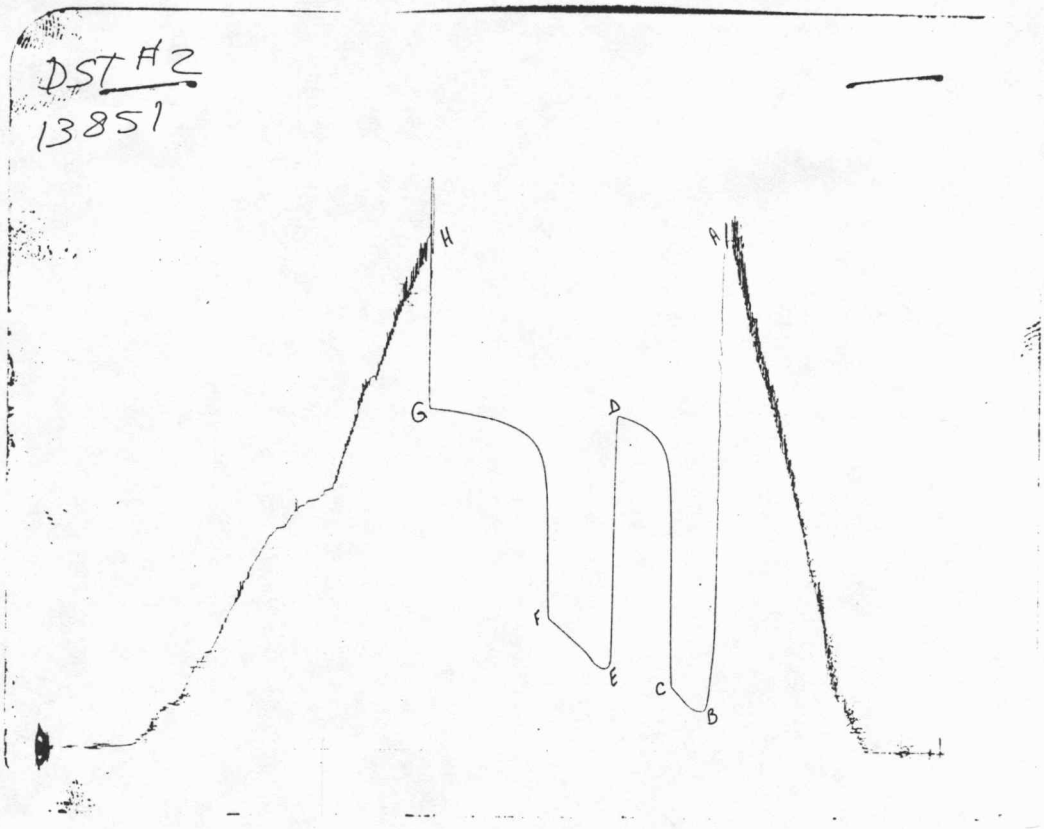
(F) Second Final Flow Pressure 773.4 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 1970.8 PSI Initial Opening 30 Final Flow 45

(H) Final Hydrostatic Mud 2920.6 PSI Initial Shut-in 45 Final Shut-in 90

Our Representative STEVE BOWMAN

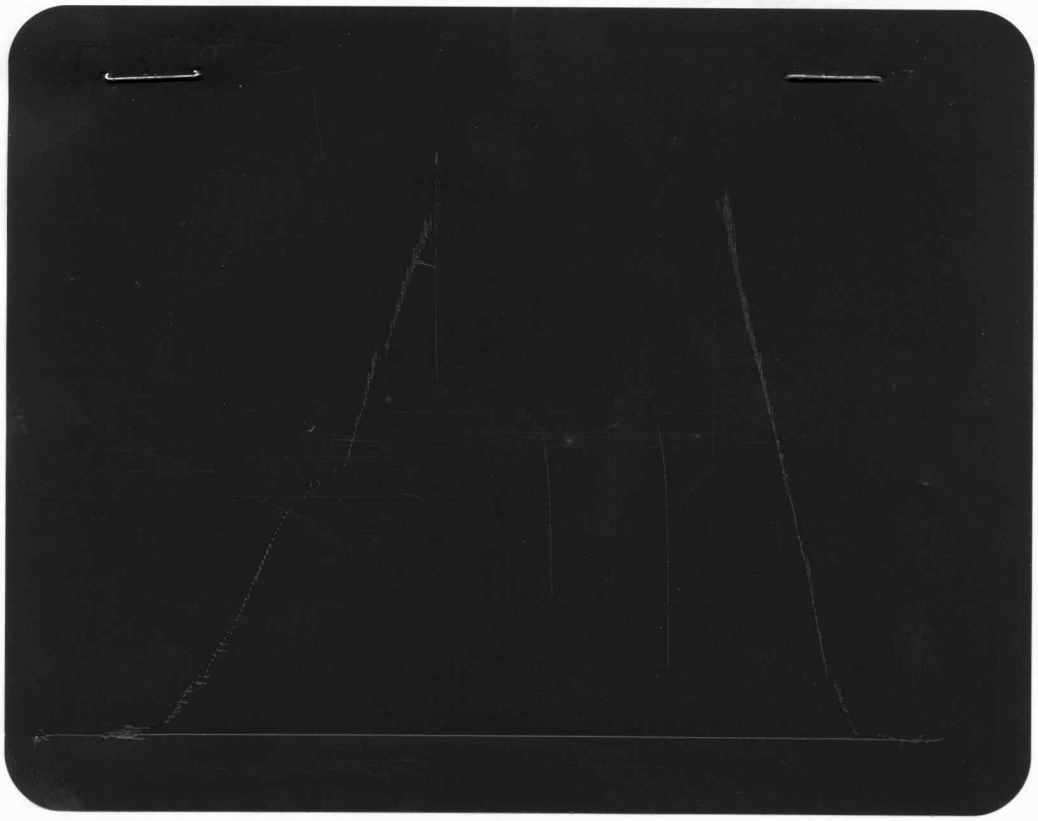
CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	3021	3030.4
(B) FIRST INITIAL FLOW PRESSURE	224	235
(C) FIRST FINAL FLOW PRESSURE	373	385.6
(D) INITIAL CLOSED-IN PRESSURE	1930	1941.5
(E) SECOND INITIAL FLOW PRESSURE	480	482.8
(F) SECOND FINAL FLOW PRESSURE	757	773.4
(G) FINAL CLOSED-IN PRESSURE	1963	1970.8
(H) FINAL HYDROSTATIC MUD	2912	2920.6

CHART PAGE



This is an actual photograph of recorder chart

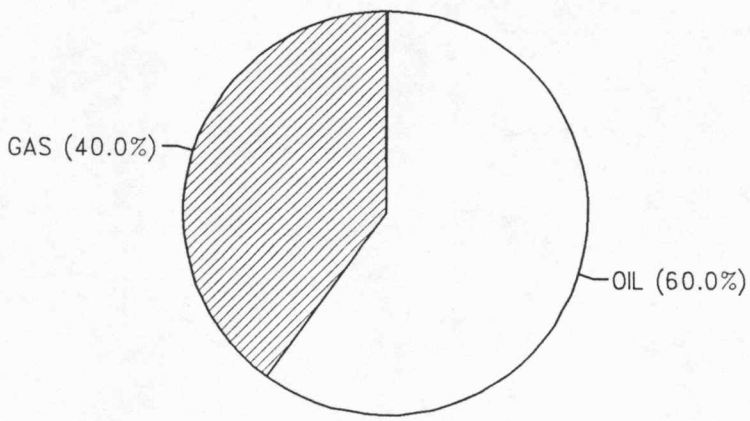
	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD		
(B) FIRST INITIAL FLOW PRESSURE		
(C) FIRST FINAL FLOW PRESSURE		
(D) INITIAL CLOSED-IN PRESSURE		
(E) SECOND INITIAL FLOW PRESSURE		
(F) SECOND FINAL FLOW PRESSURE		
(G) FINAL CLOSED-IN PRESSURE		
(H) FINAL HYDROSTATIC MUD		

CALCULATED RECOVERY ANALYSIS

DST # 2 TICKET # 5074

SAMPLE #	TOTAL FEET	%	GAS FEET	%	OIL FEET	%	WATER FEET	%	MUD FEET
DRILL 1	2670	40	1068	60	1602	0	0	0	0
PIPE 2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
6			0		0		0		0
WEIGHT 1			0		0		0		0
PIPE 2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
DRILL 1	330	40	132	60	198	0	0	0	0
COLLAR 2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0	100	0
TOTAL	3000		1200		1800		0		0

			HRS OPEN	BBL/DAY
BBL OIL=	23.74866	*	1.25	455.97427
BBL WATER=	0	*		0
BBL MUD=	0			
BBL GAS =	15.83244			



INITIAL FLOW

RECORDER # 13850 DST # 2

TIME(MIN)	PRESSURE	<> PRESSURE
0	235	235
1.5	237.1	2.1
3	239.3	2.2
4.5	242.5	3.2
6	247.8	5.3
7.5	254.2	6.4
9	259.6	5.4
10.5	269.2	9.6
12	275.6	6.4
13.5	287.3	11.7
15	298	10.7
16.5	310.8	12.8
18	324.7	13.9
19.5	337.6	12.9
21	352.5	14.9
22.5	362.1	9.6
24	378.2	16.1
25.5	385.6	7.4

FINAL FLOW

RECORDER # 13850 DST # 2

TIME(MIN)	PRESSURE	<>PRESSURE
0	482.8	482.8
1.5	483.9	1.1
3	484.9	1
4.5	487.1	2.2
6	493.5	6.4
7.5	496.7	3.2
9	504.1	7.4
10.5	509.5	5.4
12	519.1	9.6
13.5	530.8	11.7
15	546.8	16
16.5	560.6	13.8
18	576.6	16
19.5	586.1	9.5
21	596.8	10.7
22.5	609.5	12.7
24	620.2	10.7
25.5	630.8	10.6
27	640.4	9.6
28.5	650	9.6
30	662.7	12.7
31.5	672.3	9.6
33	682.9	10.6
34.5	694.6	11.7
36	704.2	9.6
37.5	714.9	10.7
39	725.5	10.6
40.5	735.1	9.6
42	744.6	9.5
43.5	757.4	12.8
45	765.9	8.5
46.5	773.4	7.5

NIX #1-15 DST #2

INITIAL SHUTIN

30 TOTAL FLOW TIME

Slope 712.62 psi/cycle

P * 2108 psi

	TIME(MIN)	Pws (psi)	Log Horn T	<> PRESSURE	Horn T
	1.5	923.4	1.322	923.4	21
	3	1211.1	1.041	287.7	11
	4.5	1434.2	0.885	223.1	8
	6	1576.8	0.778	142.6	6
	7.5	1652.5	0.699	75.7	5
	9	1692.6	0.637	40.1	4
	10.5	1764.0	0.586	71.4	4
	12	1791.1	0.544	27.1	4
	13.5	1811.6	0.508	20.5	3
	15	1825.7	0.477	14.1	3
	16.5	1837.6	0.450	11.9	3
	18	1848.4	0.426	10.8	3
	19.5	1860.3	0.405	11.9	3
	21	1866.8	0.385	6.5	2
	22.5	1874.4	0.368	7.6	2
	24	1882.0	0.352	7.6	2
	25.5	1888.5	0.338	6.5	2
	27	1893.9	0.325	5.4	2
	28.5	1898.2	0.312	4.3	2
	30	1905.8	0.301	7.6	2
	31.5	1909.0	0.291	3.2	2
	33	1913.4	0.281	4.4	2
	34.5	1917.7	0.272	4.3	2
	36	1922.0	0.263	4.3	2
X	37.5	1926.4	0.255	4.4	2
	39	1930.7	0.248	4.3	2
	40.5	1935.3	0.241	4.6	2
X	42	1941.5	0.234	6.2	2

NIX #1-15 DST #2
FINAL SHUTIN

75 TOTAL FLOW TIME

Slope 285.67 psi/cycle
P * 2049 psi

	Pws (psi)	Log Horn T	<> PRESSURE	Horn T
1.5	966.0	1.708	966.0	51
3	1297.4	1.415	331.4	26
4.5	1494.6	1.247	197.2	18
6	1588.7	1.130	94.1	14
7.5	1662.3	1.041	73.6	11
9	1728.3	0.970	66.0	9
10.5	1758.6	0.911	30.3	8
12	1781.3	0.860	22.7	7
13.5	1795.4	0.817	14.1	7
15	1804.1	0.778	8.7	6
16.5	1813.8	0.744	9.7	6
18	1823.5	0.713	9.7	5
19.5	1832.5	0.685	9.0	5
21	1841.9	0.660	9.4	5
22.5	1848.4	0.637	6.5	4
24	1855.1	0.615	6.7	4
25.5	1861.5	0.596	7.4	4
27	1869.0	0.577	6.5	4
28.5	1873.3	0.560	4.3	4
30	1878.7	0.544	5.4	4
31.5	1884.1	0.529	5.4	3
33	1887.4	0.515	3.3	3
34.5	1891.7	0.502	4.3	3
36	1896.0	0.489	4.3	3
37.5	1900.4	0.477	4.4	3
39	1903.6	0.466	3.2	3
40.5	1908.0	0.455	4.4	3
42	1910.1	0.445	2.1	3
43.5	1913.4	0.435	3.3	3
45	1915.5	0.426	2.1	3
46.5	1919.9	0.417	4.4	3
48	1922.0	0.409	2.1	3
49.5	1926.4	0.401	4.4	3
51	1929.6	0.393	3.2	2
52.5	1932.9	0.385	3.3	2
54	1936.1	0.378	3.2	2
55.5	1939.4	0.371	3.3	2
57	1942.6	0.365	3.2	2
58.5	1944.8	0.358	2.2	2
60	1947.0	0.352	2.2	2
61.5	1949.1	0.346	2.1	2
63	1952.4	0.341	3.3	2

	64.5	1953.5	0.335	1.1	2
	66	1956.7	0.330	3.2	2
	67.5	1957.8	0.325	1.1	2
	69	1958.9	0.320	1.1	2
	70.5	1960.0	0.315	1.1	2
	72	1961.1	0.310	1.1	2
	73.5	1962.2	0.305	1.1	2
	75	1963.2	0.301	1.0	2
	76.5	1964.3	0.297	1.1	2
	78	1965.4	0.293	1.1	2
X	79.5	1966.5	0.289	1.1	2
	81	1967.6	0.285	1.1	2
	82.5	1968.7	0.281	1.1	2
	84	1969.8	0.277	1.1	2
X	85.5	1970.8	0.274	1.0	2

FLUID SAMPLER DATA

Ticket No.: 5074 Date: 9/22/92

Company: SLAWSON EXPLORATION INC.

Lease: NIX #1-15 Test No.: 2

County: SEWARD Sec.: 15 Twp.: 33S Rng.: 33W

SAMPLER RECOVERY

Gas	1000
Oil	3000
Mud	
Water	
Other	4.5 CU FT GAS
Pressure	1000
TOTAL	4000

SAMPLER ANALYSIS

Resistivity ohms@ F

Chlorides ppm.

Gravity corrected @60F

PIT MUD ANALYSIS

Chlorides	2200		
Resistivity	0.52	ohms@	75 F
Viscosity	48		
Mud Wt.	9.1		
Filtrate	9.6		
Other			

PIPE RECOVERY

TOP

Resistivity ohms@ F

Chlorides ppm

MIDDLE

Resistivity ohms@ F

Chlorides ppm

BOTTOM

Resistivity ohms@ F

Chlorides ppm

GAS VOLUME REPORT

SLAWSON EXPLORATION INC.

NIX #1-15 DST # 2

MIN	PSIG	ORIFICE	MCF/D
5			
10	3	1.5	654
15	1.2	1	137
20	2	0.75	108
25	1	0.5	33.9
30	1	0.5	33.9

MIN	PSIG	ORIFICE	MCF/D
5	1	0.25	8.95
10	4.5	0.25	19.5
15	3	0.25	15.7
20	1	0.25	8.95
25	5	0.25	3.71
30	3	0.25	2.92
35	2	0.25	2.37
40	2	0.25	2.37
45	1	0.25	1.68

Remarks:

TRILOBITE TESTING COMPANY

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 5074 Date 9-22-92

Company Name Slawson Exploration Company INC

Lease Nix 1-15 Test No. #2

County Seward, KS Sec. 15 Twp. 33s Rng. 33w

SAMPLER RECOVERY

Gas 1000 ML

Oil 3000 ML

Mud ____ ML

Water ____ ML

Other 45.0C.F. Gas ML

Pressure 1000 PSI

Total 4000 ML

PIT MUD ANALYSIS

Chlorides 2200 ppm.

Resistivity ____ ohms @ ____ F

Viscosity 48

Mud Weight 9.1

Filtrate 9.6

Other ____

SAMPLER ANALYSIS

Resistivity ____ ohms @ ____ F

Chlorides ____ 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

P.O. Box 362 • Hays, Kansas 67601 • (913) 625-4778

GAS VOLUME REPORT

Slawson Exploration Company (OPERATOR) — Nix 1-15 (WELL NAME AND NO.) — #2 (DST NO.)

Min.	Ins. of Water (PSIG)	Orifice Size	MCF/D	Min.	Ins. of Water (PSIG)	Orifice Size	MCF/D
5				5	1	1/4	8,950
10	3	1 1/2	456,000	10	4.5		19,500
15	1.2	1	137,000	15	3		15,700
20	2	3/4	108,000	20	1		8,950
25	1	1/2	33,900	25	Ins of water 5		3,710
30	1	1/2	33,900	30	3		2,920
				35	2		2,370
				40	2		2,370
				45	1		1,680

Remarks:

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No. 5074

Well Name & No. Nix 1-15 Test No. #2 Date 9-22-92

Company Slawson Exploration Company INC Zone Tested Chester

Address 621 N Robinson Suite 490 Oklahoma City, OK Elevation 2819 GL

Co. Rep./Geo. Tim Hedrick Cont. H-40 Rig #1 Est. Ft. of Pay 7

Location: Sec. 15 Twp. 33s Rge. 33w Co. Seward State KS

No. of Copies 10 Distribution Sheet ____ Yes ✓ No Turnkey ____ Yes ✓ No ____ Evaluation

Interval Tested 6052 to 6116 Drill Pipe Size 4½ xH

Anchor Length 64' Top Choke — 1" ____ Bottom Choke — ¾" ____

Top Packer Depth 6047 Hole Size — 7⅞" ____ Rubber Size — 6¾" ____

Bottom Packer Depth 6052 Wt. Pipe I.D. — 2.7 Ft. Run —

Total Depth 6116 Drill Collar — 2.25 Ft. Run 330

Mud Wt. 9.1 lb/gal. Viscosity 48 Filtrate 9.6

Tool Open @ 1:15 P.M. Initial Blow Gas to Surface in 4 min

See Gas Volume Report

Final Blow ____

Recovery — Total Feet 3000 Feet of Gas in Pipe 3025 Flush Tool? NO

Rec. 3000 Feet Of Grassy Oil 40 %gas 60 %oil %water %mud

Rec. ____ Feet Of ____ %gas %oil %water %mud

Rec. ____ Feet Of ____ %gas %oil %water %mud

Rec. ____ Feet Of ____ %gas %oil %water %mud

Rec. ____ Feet Of ____ %gas %oil %water %mud

BHT 135 °F Gravity 23 °API @ 66 °F Corrected Gravity 22.7 °API

RW ____ @ ____ °F Chlorides ____ ppm Recovery Chlorides ~~2000~~ 2200 ppm System

(A) Initial Hydrostatic Mud 3021 PSI AK1 Recorder No. 13851 Range 4425

(B) First Initial Flow Pressure 224 PSI @ (depth) 6056 w/Clock No. 26191

(C) First Final Flow Pressure 373 PSI AK1 Recorder No. 13850 Range 4325

(D) Initial Shut-In Pressure 1930 PSI @ (depth) 6113 w/Clock No. 17658

(E) Second Initial Flow Pressure 480 PSI AK1 Recorder No. ____ Range ____

(F) Second Final Flow Pressure 757 PSI @ (depth) ____ w/Clock No. ____

(G) Final Shut-In Pressure 1963 PSI Initial Opening 30 Test ✓ 750

(H) Final Hydrostatic Mud 2912 PSI Initial Shut-In 45 Jars ✓ 200

Final Flow 45 Safety Joint ✓ 50

Final Shut-In 90 Straddle ____

Circ. Sub ____

Sampler ✓ 200

Extra Packer ____

Other ____

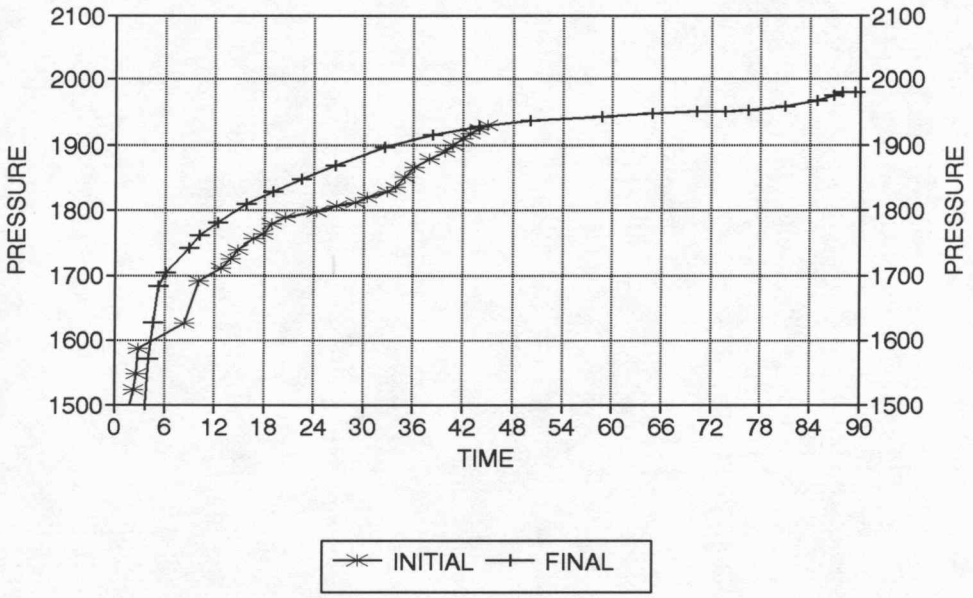
TOTAL PRICE $ ✓ ____

Approved By Tim Hedrick

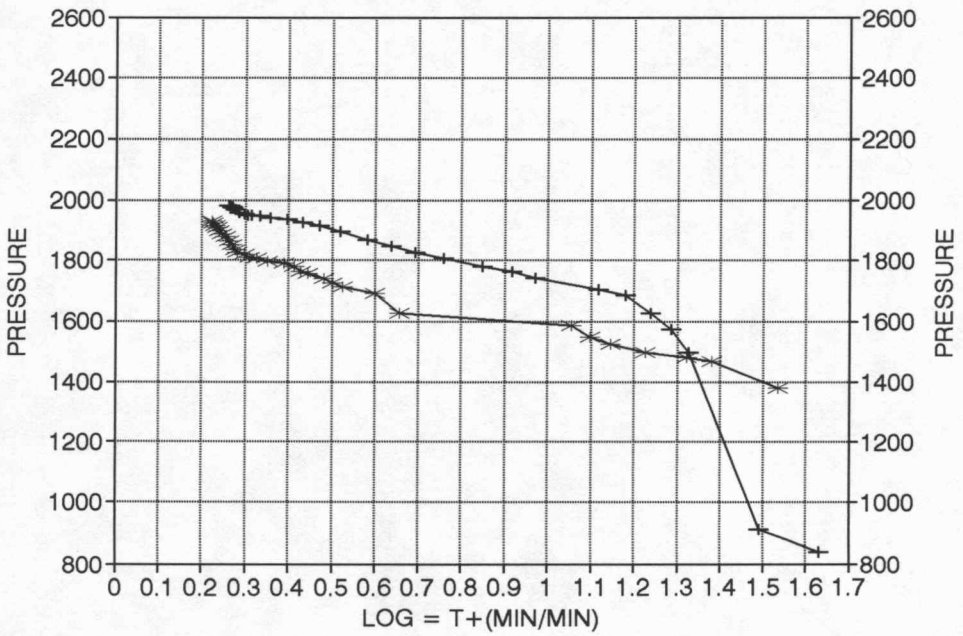
Our Representative Steve Bowman Thank You

Printcraft Printers - Hays, KS

NIX #1-15/ DST #2
DELTA T DELTA P



HORNER PLOT



NIX #1-15 DST #2
INITIAL SHUTIN

30 TOTAL FLOW TIME

Slope 1767.19 psi/cycle
P * 2323 psi

	TIME(MIN)	Pws (psi)	Log Horn T	<> PRESSURE	Horn T
	0.9	1377.6	1.536	1377.6	34
	1.3	1465.8	1.382	88.2	24
	1.5	1480.4	1.322	14.6	21
	1.9	1497.5	1.225	17.1	17
	2.3	1523.0	1.147	25.5	14
	2.6	1547.5	1.098	24.5	13
	2.9	1587.4	1.055	39.9	11
	8.5	1625.8	0.656	38.4	5
	10.1	1691.4	0.599	65.6	4
	12.8	1710.4	0.524	19.0	3
	13.9	1725.2	0.499	14.8	3
	14.8	1739.5	0.481	14.3	3
	16.8	1757.5	0.445	18.0	3
	17.9	1763.6	0.427	6.1	3
	18.9	1779.0	0.413	15.4	3
	20.6	1788.9	0.390	9.9	2
	24.2	1797.8	0.350	8.9	2
	26.7	1806.3	0.327	8.5	2
	28.9	1810.9	0.309	4.6	2
	30.3	1819.7	0.299	8.8	2
	32.8	1828.4	0.282	8.7	2
	33.8	1835.6	0.276	7.2	2
	34.9	1851.0	0.269	15.4	2
	36.1	1866.2	0.263	15.2	2
	37.9	1878.1	0.253	11.9	2
	39.8	1889.3	0.244	11.2	2
	40.7	1899.3	0.240	10.0	2
X	41.9	1908.6	0.235	9.3	2
	42.8	1916.2	0.231	7.6	2
	43.8	1923.9	0.227	7.7	2
X	44.9	1930.3	0.222	6.4	2

NIX #1-15 DST #2
FINAL SHUTIN

75 TOTAL FLOW TIME

Slope	940.08	psi/cycle			
P *	2226	psi			

		Pws (psi)	Log Horn T	<> PRESSURE	Horn T
	1.8	838.9	1.630	838.9	43
	2.5	911.5	1.491	72.6	31
	3.7	1498.7	1.328	587.2	21
	4.1	1571.0	1.285	72.3	19
	4.6	1626.8	1.238	55.8	17
	5.3	1683.9	1.180	57.1	15
	6.2	1704.5	1.117	20.6	13
	9	1743.0	0.970	38.5	9
	10.3	1762.2	0.918	19.2	8
	12.4	1781.3	0.848	19.1	7
	15.9	1808.9	0.757	27.6	6
	19	1829.1	0.694	20.2	5
	22.5	1848.0	0.637	18.9	4
	26.5	1868.8	0.583	20.8	4
	32.5	1895.5	0.520	26.7	3
	38.2	1914.9	0.472	19.4	3
	43.9	1928.1	0.433	13.2	3
	50.1	1935.4	0.397	7.3	2
	58.8	1941.8	0.357	6.4	2
	64.8	1946.8	0.334	5.0	2
	70.2	1950.0	0.316	3.2	2
	73.6	1950.1	0.305	0.1	2
	76.5	1952.6	0.297	2.5	2
X	80.9	1957.7	0.285	5.1	2
	84.9	1966.6	0.275	8.9	2
	86.9	1974.7	0.270	8.1	2
	87.9	1979.3	0.268	4.6	2
	89.4	1979.6	0.265	0.3	2
X	90.9	1979.9	0.261	0.3	2

INITIAL FLOW

RECORDER # 13851 DST # 2

TIME(MIN)	PRESSURE	<> PRESSURE
0.1	229.6	229.6
1.6	236.4	6.8
4.5	239.1	2.7
7.3	245.9	6.8
15.9	288.8	42.9
19.8	329.2	40.4
22.8	357.2	28
24.3	364.5	7.3

FINAL FLOW

RECORDER # 13851 DST # 2

TIME(MIN)	PRESSURE	<> PRESSURE
4	488.3	488.3
7.8	488.3	0
12.9	510.2	21.9
24.1	606.4	96.2
21.7	693.4	87
39	738.1	44.7
49.1	766.8	28.7

INITIAL FLOW

RECORDER # 13851 DST # 2

TIME(MIN)	PRESSURE	<> PRESSURE
0.1	229.6	229.6
1.6	236.4	6.8
4.5	239.1	2.7
7.3	245.9	6.8
15.9	288.8	42.9
19.8	329.2	40.4
22.8	357.2	28
24.3	364.5	7.3

FINAL FLOW

RECORDER # 13851 DST # 2

TIME(MIN)	PRESSURE	<> PRESSURE
4	488.3	488.3
7.8	488.3	0
12.9	510.2	21.9
24.1	606.4	96.2
21.7	693.4	87
39	738.1	44.7
49.1	766.8	28.7

.1214346	233.9335	1
1.623381	236.4741	1
4.583293	239.1574	1
7.340715	245.9249	1
15.95747	288.8316	1
19.81531	329.2215	1
22.8225	357.2166	1
24.31094	366.5957	1
28.76935	890.6194	2
30.11278	1441.356	2
32.25253	1687.115	2
32.75207	1729.57	2
41.50047	1828.919	2
51.21404	1882.535	2
63.23952	1922.354	2
67.45506	1929.264	2
71.53895	1928.979	2
79.07224	476.9378	3
82.81525	476.9613	3
87.99942	510.2991	3
99.18461	606.4657	3
114.0823	693.419	3
124.147	766.2206	3
125.703	1135.381	4
126.827	1526.386	4
133.2025	1719.55	4
162.5559	1895.808	4
199.8072	1962.032	4
216.3452	1956.808	4
221.2797	1968.918	4

158.239	1914.981	4
163.9921	1928.141	4
168.1457	1935.498	4
171.857	1941.843	4
176.0627	1946.817	4
179.1789	1950.014	4
184.221	1950.111	4
187.2183	1952.677	4
189.4309	1957.739	4
194.8787	1966.627	4
199.6796	1974.75	4
204.6178	1979.612	4
209.4555	1979.956	4
~~211.943~~	~~1978.497~~	~~4~~

48.79324	1866.209	2
51.05451	1878.173	2
53.92939	1889.396	2
56.56616	1899.36	2
59.08401	1908.693	2
60.5123	1916.249	2
62.46848	1923.941	2
64.18669	1930.374	2
66.0759	1935.052	2
69.14011	1940.632	2
76.10252	503.6305	3
78.49272	488.3673	3
88.12467	515.4045	3
95.78069	590.4636	3
109.5283	684.4601	3
116.9195	738.1821	3
120.0777	766.8522	3
121.2864	814.1809	4
121.8921	838.9128	4
122.5648	911.5795	4
122.1112	990.2474	4
121.7248	1071.928	4
121.4638	1135.668	4
121.4409	1200.666	4
121.4331	1271.061	4
121.9718	1337.702	4
122.2086	1390.785	4
122.4941	1450.77	4
123.7718	1498.729	4
123.7923	1537.377	4
124.121	1571.013	4
124.6294	1626.861	4
125.3758	1683.969	4
126.2543	1704.565	4
129.0004	1743.015	4
130.3735	1762.24	4
132.4789	1781.353	4
135.9272	1808.9	4
139.0033	1829.161	4
142.5739	1848.051	4
146.5015	1868.831	4
152.5564	1895.548	4

5.216725	229.6051	1
15.80086	261.6795	1
22.08712	308.2271	1
27.96125	364.5554	1
28.75632	428.5662	2
29.0438	531.0894	2
29.5458	605.5092	2
28.63196	781.4166	2
29.39555	886.4586	2
29.55553	964.3854	2
29.89611	1012.702	2
29.88838	1083.097	2
28.39928	1200.142	2
28.24759	1292.368	2
30.04021	1377.604	2
29.94162	1415.623	2
30.63937	1465.829	2
30.31797	1507.984	2
30.61118	1497.575	2
30.65325	1523.048	2
30.25286	1547.509	2
30.22796	1569.97	2
30.51144	1587.417	2
30.62378	1606.618	2
30.73625	1625.819	2
30.9343	1644.142	2
31.69374	1664.109	2
32.09299	1691.472	2
32.40995	1710.425	2
32.94973	1725.242	2
33.89863	1739.565	2
35.0337	1757.531	2
35.69583	1763.692	2
37.08719	1779.027	2
38.46353	1788.966	2
39.39726	1797.894	2
40.73998	1806.326	2
41.36876	1810.981	2
43.03502	1819.796	2
44.1731	1828.477	2
45.27797	1835.651	2
45.93681	1851.097	2