

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name L. EVANS #1-26 Test No. 1 Date 5/7/91
Company WHITE & ELLIS DRLG INC Zone Tested LANSING "A"
Address P.O. BOX 48848 WICHITA KS Elevation N/A
Co. Rep./Geo. MR TOM FUNK Cont. W-E RIG #8 Est. Ft. of Pay _____
Location: Sec. 26 Twp. 15S Rge. 30W Co. GOVE State KS

Interval Tested 3716-3785
Anchor Length 69
Top Packer Depth 3711
Bottom Packer Depth 3716
Total Depth 3785

Drill Pipe Size 4.5 XH
Wt. Pipe I.D. - 2.7 Ft. Run _____
Drill Collar - 2.25 Ft. Run _____

Mud Wt. 9 lb / gal. Viscosity 43 Filtrate 8.8

Tool Open @ 10:07 AM Initial Blow OFF BOTTOM IN 14 MINUTES

Final Blow FAIR BLOW OFF BOTTOM IN 15 MINUTES-1" BLOW
ON SHUTIN

Recovery — Total Feet 226 Flush Tool? NO

Rec. 332 Feet of GAS IN PIPE

Rec. 104 Feet of GAS & MUD CUT OIL-1%GAS/60%OIL/39%MUD

Rec. 61 Feet of GAS OIL CUT MUD-1%GAS/30%OIL/69%MUD

Rec. 61 Feet of GAS & OIL & WTR CUT MUD-1%GAS/9%OIL/10%WTR/80%MUD

Rec. _____ Feet of _____

BHT 114 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW 0.2 @ 60 °F Chlorides 40000 ppm Recovery Chlorides 3000 ppm System

(A) Initial Hydrostatic Mud 1767.4 PSI Ak1 Recorder No. 13308 Range 4700

(B) First Initial Flow Pressure 31.8 PSI @ (depth) 3718 w/Clock No. 27573

(C) First Final Flow Pressure 68.1 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 1001.4 PSI @ (depth) 3746 w/Clock No. 25813

(E) Second Initial Flow Pressure 89.8 PSI AK1 Recorder No. _____ Range _____

(F) Second Final Flow Pressure 125.9 PSI @ (depth) _____ w/Clock No. _____

(G) Final Shut-in Pressure 982.6 PSI Initial Opening 30 Final Flow 45

(H) Final Hydrostatic Mud 1739 PSI Initial Shut-in 45 Final Shut-in 60

Our Representative MR MARK HERSKOWITZ

TOTAL PRICE \$ 550

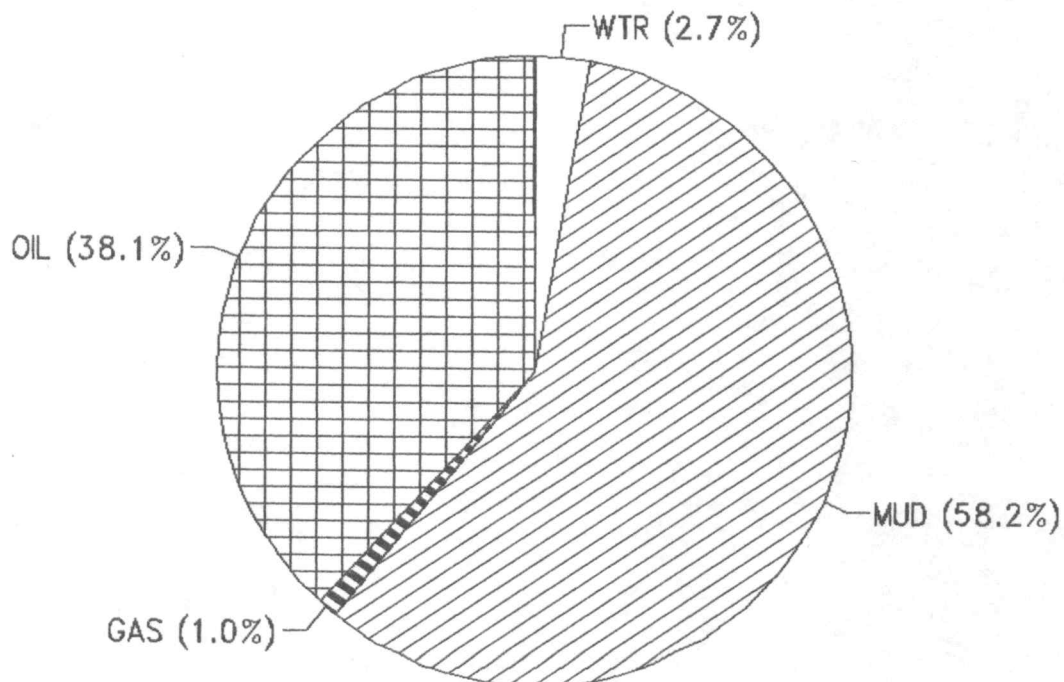
POINT

This is an actual photograph of recorder chart
PRESSURE

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1772	1767.4
(B) FIRST INITIAL FLOW PRESSURE	24	31.8
(C) FIRST FINAL FLOW PRESSURE	48	68.1
(D) INITIAL CLOSED-IN PRESSURE	982	1001.4
(E) SECOND INITIAL FLOW PRESSURE	75	89.8
(F) SECOND FINAL FLOW PRESSURE	109	125.9
(G) FINAL CLOSED-IN PRESSURE	970	982.6
(H) FINAL HYDROSTATIC MUD	1748	1739

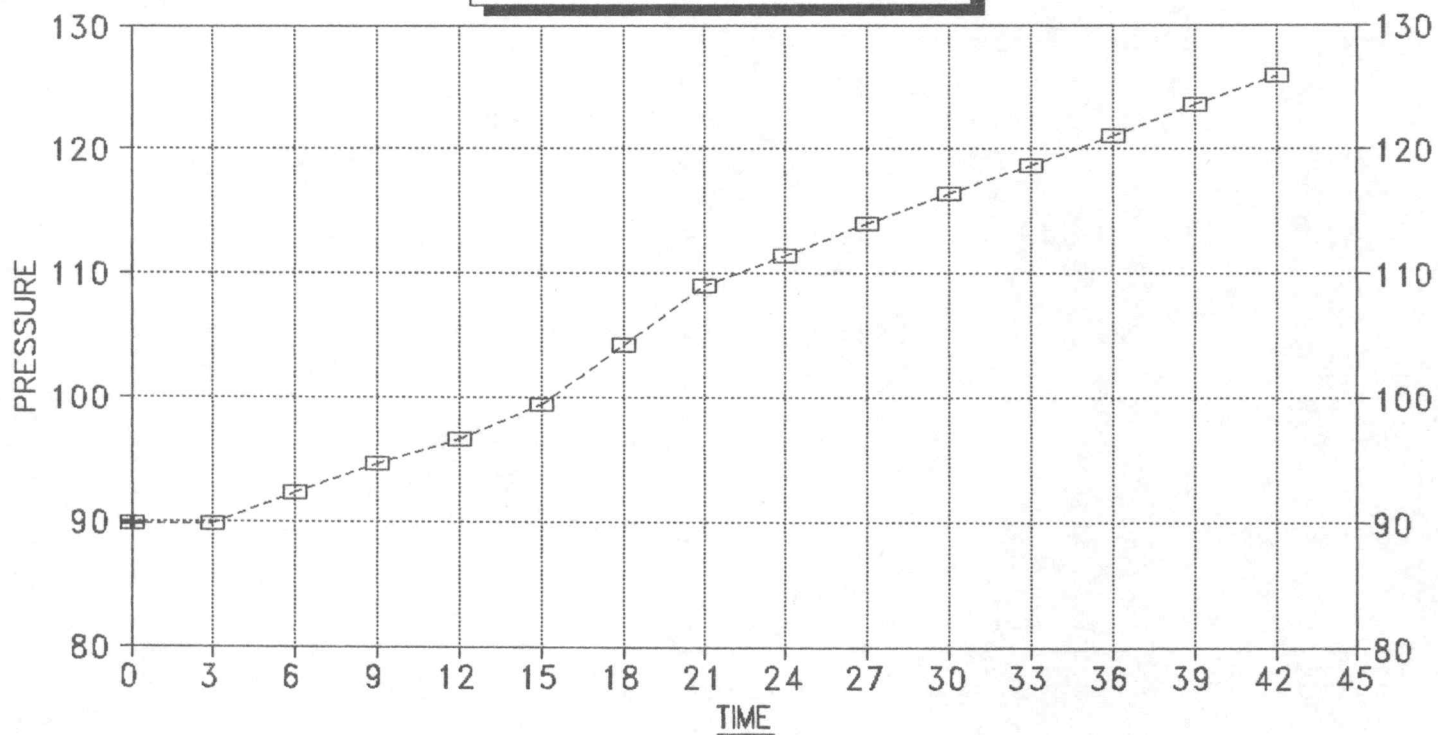
DST #		CALCULATED RECOVERY ANALYSIS						DRILL	PIPE
1		TICKET # 3460							
SAMPLE	TOTAL	GAS		OIL		WATER		MUD	
#	FEET	%	FEET	%	FEET	%	FEET	%	FEET
1	104	1	1.04	60	62.4	0	0	39	40.56
2	61	1	0.61	30	18.3	0	0	69	42.09
3	61	1	0.61	9	5.49	10	6.1	80	48.8
4			0		0		0		0
5			0		0		0		0
TOTAL	226	1	2.26	38.1372	86.19	2.69912	6.1	58.1637	131.45

BBL OIL= 1.225622 * HRS OPEN BBL/DAY
 BBL WATER 0.086742 * 1.25 23.5319
 BBL MUD= 1.869219 1.66545
 BBL GAS 0.032137



DELTA T DELTA P

FINAL FLOW - DST #1



L. EVANS #1-26DST #1
INITIAL SHUTIN

30 INITIAL FLOW TIME

Slope -465.40 psi/cycle
P * 1,110 psi

TIME(MIN)	Pws (psi)	Log		<> PRESSURE
		Horn T	Horn T	
3	708.3	11	1.041	708.3
6	788.1	6	0.778	79.8
9	841.5	4	0.637	53.4
12	874.8	4	0.544	33.3
15	895.9	3	0.477	21.1
18	919.3	3	0.426	23.4
21	931.0	2	0.385	11.7
24	947.5	2	0.352	16.5
27	961.5	2	0.325	14.0
30	970.9	2	0.301	9.4
33	980.3	2	0.281	9.4
36	989.7	2	0.263	9.4
39	994.3	2	0.248	4.6
42	1001.4	2	0.234	7.1

X
L. EVANS #1-26DST #1
FINAL SHUTIN

75 TOTAL FLOW

TIME

Slope -437.45 psi/cycle
P * 1,142 psi

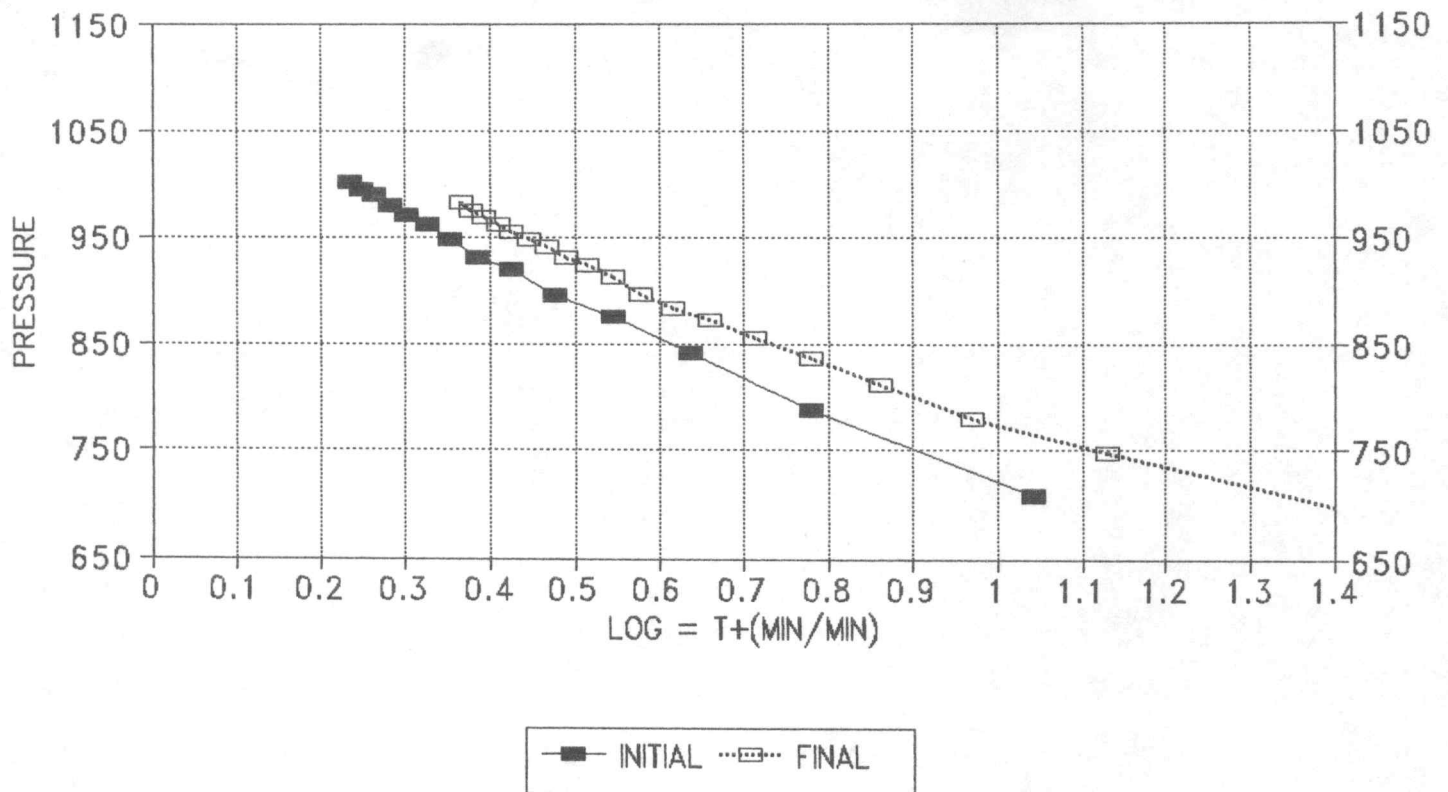
TIME(MIN)	Pws (psi)	Log		<> PRESSURE
		Horn T	Horn T	
3	696.6	26	1.415	696.6
6	748.2	14	1.130	51.6
9	778.7	9	0.970	30.5
12	811.5	7	0.860	32.8
15	837.3	6	0.778	25.8
18	856.0	5	0.713	18.7
21	872.4	5	0.660	16.4
24	884.2	4	0.615	11.8
27	897.2	4	0.577	13.0
30	912.3	4	0.544	15.1
33	924	3	0.515	11.7
36	931	3	0.489	7.0
39	940.4	3	0.466	9.4
42	947.5	3	0.445	7.1
45	954.5	3	0.426	7.0
48	961.5	3	0.409	7.0
51	968.6	2	0.393	7.1
54	975.6	2	0.378	7.0
57	982.6	2	0.365	7.0

X

X

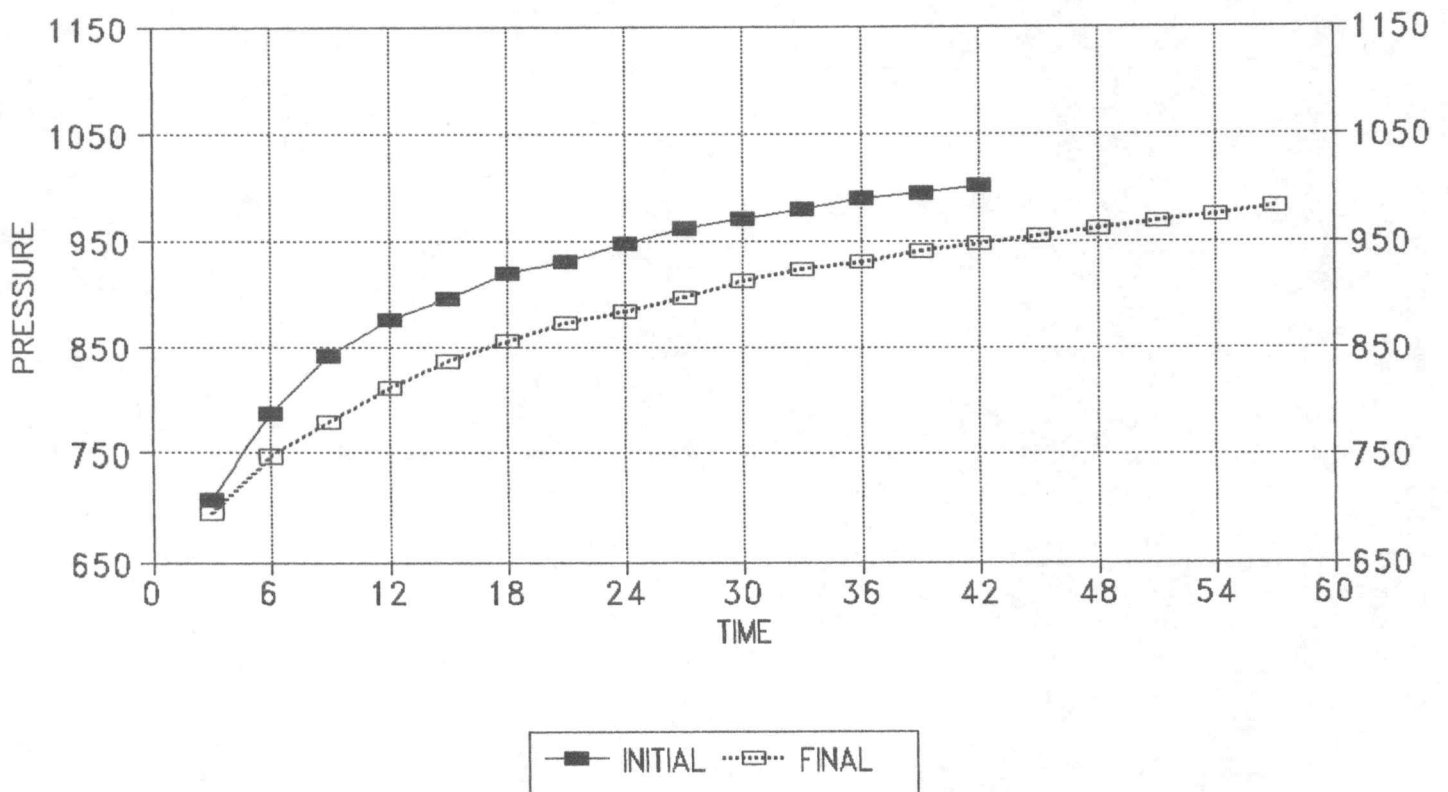
HORNER PLOT

DST #1-L. EVANS #1-26



DELTA T DELTA P

DST #1-L. EVANS #1-26



TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

N^o 3460

Test Ticket

Well Name & No.	L. EVANS 1-26		Test No.	1	Date	5-7-91
Company	WHITE & ELLIS DRILLING INC		Zone Tested	LAN A'		
Address	PO Box 48848 Wichita		Elevation	2629 KB		
Co. Rep./Geo.	TOM FUNK	Cont.	W-E Rig 8	Est. Ft. of Pay		
Location: Sec.	26	Twp.	15s	Rge.	30W	Co. GROVE State KS
No. of Copies		Distribution Sheet	Yes	No	Turnkey	Yes No Evaluation

Interval Tested 3716 - 3785 Drill Pipe Size 4 1/2 X 11
 Anchor Length 69 Top Choke — 1" Bottom Choke — 3/4"
 Top Packer Depth 3711 Hole Size — 77/8" Rubber Size — 63/4"
 Bottom Packer Depth 3716 Wt. Pipe I.D. — 2.7 Ft. Run —
 Total Depth 3785 Drill Collar — 2.25 Ft. Run —
 Mud Wt. 9.0 lb/gal. Viscosity 43 Filtrate 8.8
 Tool Open @ 10:07 AM Initial Blow OFF BOTTOM IN 14 MIN

Final Blow FAIR Blow OFF BOTTOM IN 15 MIN
1" Blow on Shut-in

Recovery — Total Feet	Feet of Gas in Pipe	Flush Tool?
Rec. <u>1104</u> Feet Of <u>GAS MUD OIL</u> 1 %gas <u>60</u> %oil <u>39</u> %water <u>39</u> %mud	<u>332</u>	
Rec. <u>61</u> Feet Of <u>GAS OIL MUD</u> 1 %gas <u>30</u> %oil <u>69</u> %water <u>69</u> %mud		
Rec. <u>61</u> Feet Of <u>GAS OIL WATER MUD</u> 1 %gas <u>9</u> %oil <u>10</u> %water <u>80</u> %mud		
Rec. _____ Feet Of _____ %gas _____ %oil _____ %water _____ %mud		
Rec. _____ Feet Of _____ %gas _____ %oil _____ %water _____ %mud		

BHT 114 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW 0.2 @ 60 °F Chlorides 40 ppm Recovery Chlorides 3000 ppm System

(A) Initial Hydrostatic Mud	<u>1772</u> PSI	Ak1 Recorder No.	<u>13308</u> Range	<u>4700</u>
(B) First Initial Flow Pressure	<u>24</u> PSI	@ (depth)	<u>3718</u> w/Clock No.	<u>27573</u>
(C) First Final Flow Pressure	<u>48</u> PSI	Ak1 Recorder No.	<u>10248</u> Range	<u>4400</u>
(D) Initial Shut-In Pressure	<u>982</u> PSI	@ (depth)	<u>3746</u> w/Clock No.	<u>25813</u>
(E) Second Initial Flow Pressure	<u>75</u> PSI	Ak1 Recorder No.	Range	
(F) Second Final Flow Pressure	<u>109</u> PSI	@ (depth)	w/Clock No.	
(G) Final Shut-In Pressure	<u>970</u> PSI	Initial Opening	<u>30</u> Test	<u>✓</u>
(H) Final Hydrostatic Mud	<u>1748</u> PSI	Initial Shut-In	<u>45</u> Jars	

TRILOBITE TESTING COMPANY 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 SUBSTAINED, 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.

Final Flow 45 Safety Joint _____
 Final Shut-In 60 Straddle _____

Approved By Thomas Funk

Our Representative Mark Henderson

Circ. Sub ✓ NC

Sampler _____

Extra Packer _____

Other _____

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name L. EVANS #1-26 Test No. 2 Date 5/7/91
Company WHITE & ELLIS DRLG INC Zone Tested JOHNSON
Address P.O. BOX 48848 WICHITA KS Elevation 2629 KB
Co. Rep./Geo. MR TOM FUNK Cont. W-E RIG #8 Est. Ft. of Pay 4
Location: Sec. 26 Twp. 15S Rge. 30W Co. GOVE State KS

Interval Tested 3785-3814
Anchor Length 29
Top Packer Depth 3780
Bottom Packer Depth 3785
Total Depth 3814

Drill Pipe Size 4.5 XH
Wt. Pipe I.D. - 2.7 Ft. Run _____
Drill Collar — 2.25 Ft. Run _____

Mud Wt. 9.1 lb / gal. Viscosity 42 Filtrate 8.8

Tool Open @ 10:13 PM Initial Blow OFF BOTTOM IN 22 MINUTES

Final Blow OFF BOTTOM IN 31 MINUTES-SURFACE BLOW ON FINAL SHUTIN

Recovery — Total Feet 154 Flush Tool? NO

Rec. 150 Feet of GAS IN PIPE

Rec. 30 Feet of GASY OIL-1%GAS/99%OIL

Rec. 62 Feet of WATER OIL MUD-35%OIL/5%WTR/60%MUD

Rec. 62 Feet of OIL WATER MUD-5%OIL/45%WTR/50%MUD

Rec. _____ Feet of _____
BHT 115 °F Gravity 35 °API @ 70 °F Corrected Gravity 34 °API

RW 0.2 @ 51 °F Chlorides 50000 ppm Recovery Chlorides 600 ppm System

(A) Initial Hydrostatic Mud 1814.9 PSI Ak1 Recorder No. 13308 Range 4700

(B) First Initial Flow Pressure 19.7 PSI @ (depth) 3787 w/Clock No. 27573

(C) First Final Flow Pressure 46.4 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 933.4 PSI @ (depth) 3819 w/Clock No. 25813

(E) Second Initial Flow Pressure 80.1 PSI AK1 Recorder No. _____ Range _____

(F) Second Final Flow Pressure 92.2 PSI @ (depth) _____ w/Clock No. _____

(G) Final Shut-in Pressure 909.9 PSI Initial Opening 30 Final Flow 45

(H) Final Hydrostatic Mud 1788.8 PSI Initial Shut-in 45 Final Shut-in 60

Our Representative MR MARK HERSKOWITZ TOTAL PRICE \$ 550

POINT This is an actual photograph of recorder chart
PRESSURE

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1795	1814.9
(B) FIRST INITIAL FLOW PRESSURE	24	19.7
(C) FIRST FINAL FLOW PRESSURE	36	46.4
(D) INITIAL CLOSED-IN PRESSURE	912	933.4
(E) SECOND INITIAL FLOW PRESSURE	48	80.1
(F) SECOND FINAL FLOW PRESSURE	72	92.2
(G) FINAL CLOSED-IN PRESSURE	888	909.9
(H) FINAL HYDROSTATIC MUD	1772	1788.8

COMPUTER EVALUATION BY TRILOBITE TESTING
WHITE & ELLIS DRLG INC
REPORT FOR DST#2 FOR THE L. EVANS #1-26
26-15S-30W GOVE KS

TEST PARAMETERS

ELEVATION:	2629 KB	EST. PAY:	4 FT
DATUM:	-1159	ZONE TESTED:	LANSING
TEST INTERVAL:	3785-3814		
		TIME INTERVALS:	30-45-45-60
RECORDER DEPTH:	3787	VISCOSITY:	8.390534 CP
BOTTOM HOLE TEMP:	115	HOLE SIZE:	7.875 IN

CALCULATIONS

CUBIC FEET OF GAS IN PIPE: 11.97591

TOTAL FEET OF RECOVERY:	154
BARRELS IN DRILL PIPE:	2.18988
GAS OIL RATIO:	5.468751 CU.FT./BBL
BUBBLE POINT PRESSURE:	; .4618942
TOTAL BARRELS OF RECOVERY:	2.18988

API GRAVITY: 34

UNCORR. INIT. PROD.: 42.04569 BBL/DAY

CORRECTED PIPE FILLUP: 249.1892

FLUID GRADIENT: .37

CORR. BARRELS OF RECOVERY: 3.54078 BBL

INITIAL PRODUCTION CORRECTED TO FINAL FLOW PRESSURE: 67.98298 BBL/DAY

INITIAL PRODUCTION CORRECTED TO PSEUDO STEADY FLOW STATE
53.08121

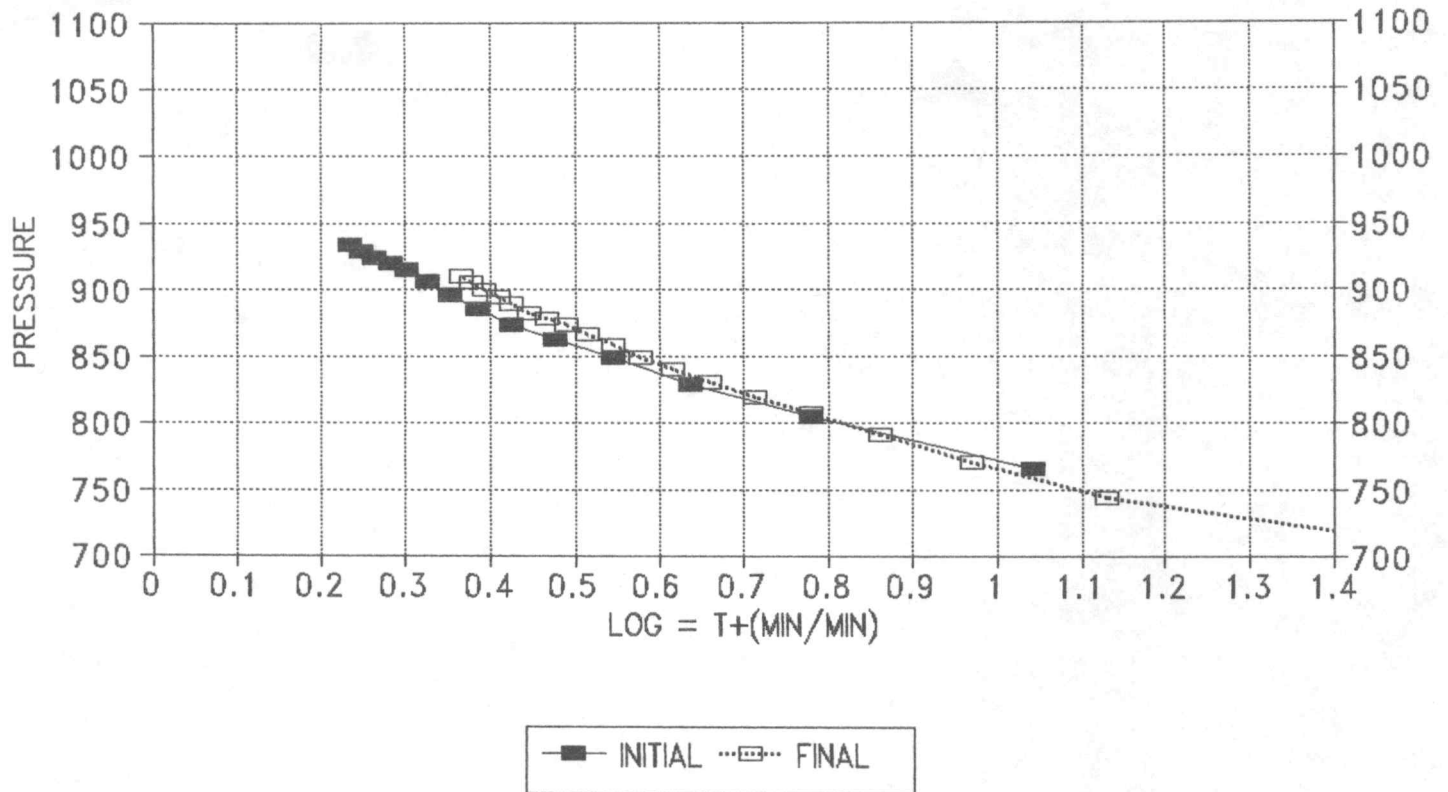
INITIAL SLOPE 280.82 PSI/CYCLE
INITIAL P* 999 PSI

FINAL SLOPE 342.75 PSI/CYCLE
FINAL P* 1035 PSI

TRANSMISSIBILITY	32.25101 (MD.-FT./CP.)
PERMEABILITY	67.6508 (MD.)
INDICATED FLOW CAPACITY	270.6032 (MD.FT)
PRODUCTIVITY INDEX	3.644364E-02 (BARRELS/DAY/PSI)
DAMAGE RATIO	.5033768
RADIUS OF INVESTIGATION	71.23068 (FT.)
POTENTIOMETRIC SURFACE	1242.165 (FT.)
DRAWDOWN FACTOR	-3.603602 (%)

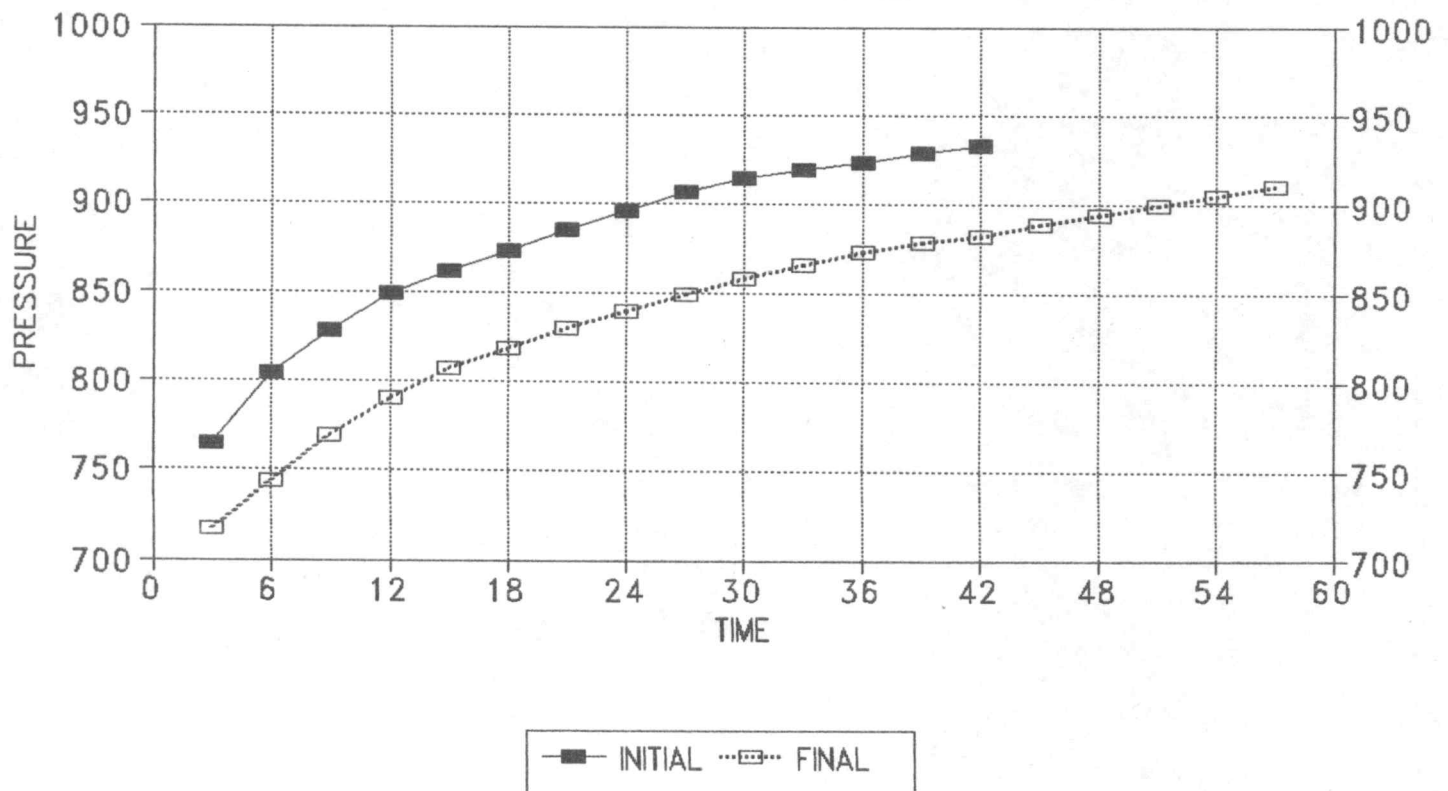
HORNER PLOT

DST #2-L EVANS #1-26



DELTA T DELTA P

DST #2-L EVANS #1-26



INITIAL FLOW

RECORDER # 13308
DST #2

DT(MIN)	PRESSURE	<> PRESSURE
0	19.7	19.7
3	22.2	2.5
6	27	4.799999
9	29.4	2.4
12	31.8	2.4
15	34.3	2.5
18	36.7	2.400002
21	39.1	2.399998
24	41.5	2.400002
27	43.9	2.400002
30	46.4	2.5

FINAL FLOW

RECORDER # 13308
DST #2

DT(MIN)	PRESSURE	<> PRESSURE
0	80.1	80.1
3	56	-24.1
6	56	0
9	56	0
12	60.8	4.799999
15	67.1	6.299999
18	72.9	5.800003
21	75.3	2.400002
24	77.7	2.399994
27	80.1	2.400002
30	82.6	2.5
33	85	2.400002
36	87.4	2.400002
39	89.8	2.400002
42	92.2	2.399994

L. EVANS #1-26DST #2

INITIAL SHUTIN

30 INITIAL FLOW TIME

Slope -280.82 psi/cycle

P * 999 psi

TIME(MIN)	Pws (psi)	Horn T	Log		<> PRESSURE
			Horn T		
3	764.6	11	1.041		764.6
6	804.5	6	0.778		39.9
9	827.9	4	0.637		23.4
12	849.0	4	0.544		21.1
15	862.1	3	0.477		13.1
18	873.2	3	0.426		11.1
21	885.1	2	0.385		11.9
24	895.9	2	0.352		10.8
27	906.3	2	0.325		10.4
X 30	914.6	2	0.301		8.3
33	919.3	2	0.281		4.7
36	924	2	0.263		4.7
39	928.7	2	0.248		4.7
X 42	933.4	2	0.234		4.7

L. EVANS #1-26DST #2

FINAL SHUTIN

75 TOTAL FLOW TIME

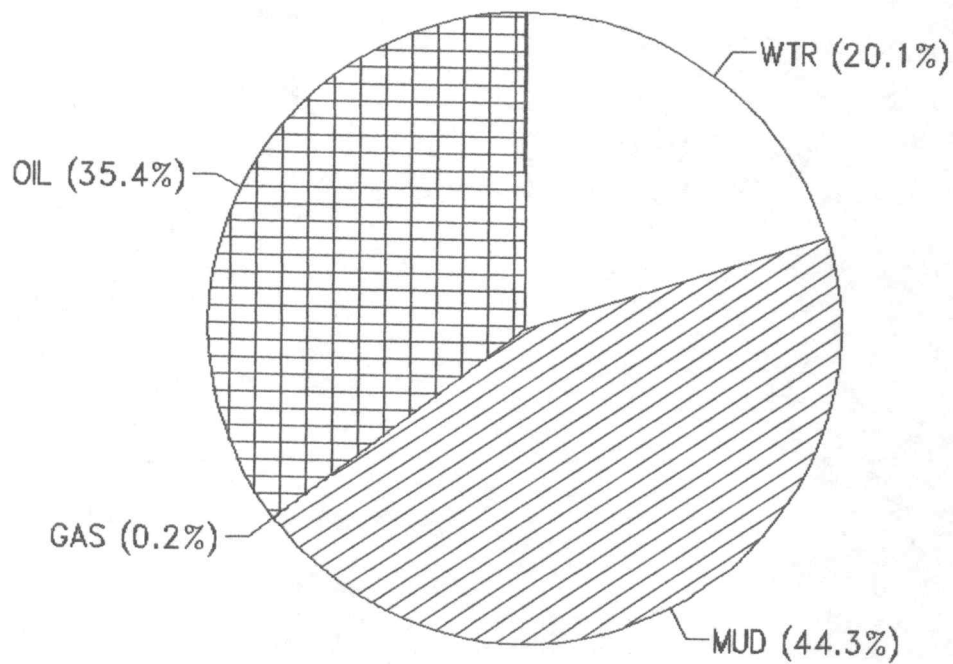
Slope -342.75 psi/cycle

P * 1,035 psi

TIME(MIN)	Pws (psi)	Horn T	Log		<> PRESSURE
			Horn T		
3	717.7	26	1.415		717.7
6	743.5	14	1.130		25.8
9	769.3	9	0.970		25.8
12	790.4	7	0.860		21.1
15	806.8	6	0.778		16.4
18	818.5	5	0.713		11.7
21	830.3	5	0.660		11.8
24	839.6	4	0.615		9.3
27	849.0	4	0.577		9.4
30	858.4	4	0.544		9.4
33	866.2	3	0.515		7.8
36	873.3	3	0.489		7.1
39	878.3	3	0.466		5.0
42	881.8	3	0.445		3.5
X 45	888.9	3	0.426		7.1
48	894.2	3	0.409		5.3
51	899.1	2	0.393		4.9
54	905.3	2	0.378		6.2
X 57	909.9	2	0.365		4.6

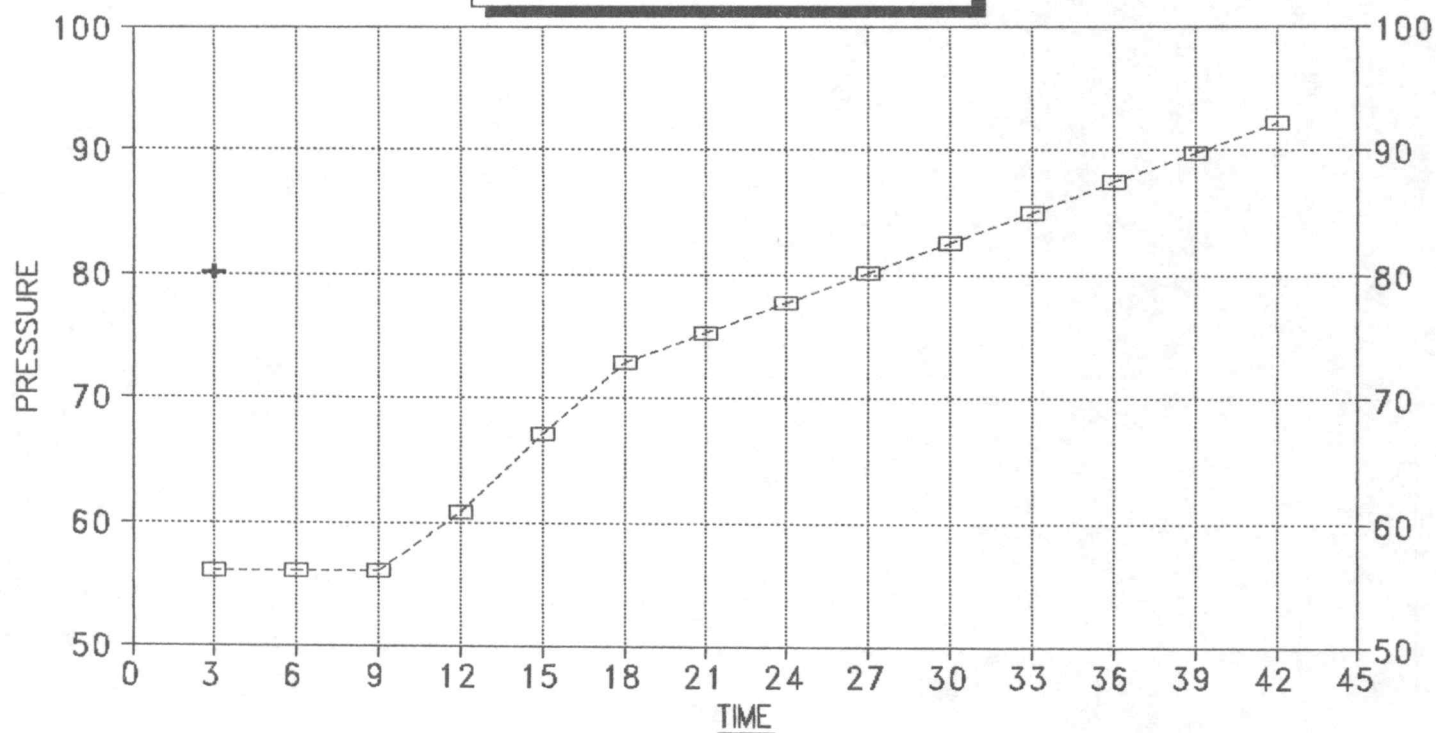
CALCULATED RECOVERY ANALYSIS						DRILL		PIPE	
DST #	2		TICKET # 3461						
SAMPLE #	TOTAL FEET	GAS % FEET		OIL % FEET		WATER % FEET		MUD % FEET	
1	30	1	0.3	99	29.7	0	0	0	0
2	62	0	0	35	21.7	5	3.1	60	37.2
3	62	0	0	5	3.1	45	27.9	50	31
4			0		0		0		0
5			0		0		0		0
TOTAL	154	0.19	0.3	35.3896	54.5	20.1299	31	44.2857	68.2

BBL OIL= 0.77499 * HRS OPEN BBL/DAY 1.25 14.8798
 BBL WATER 0.44082 * 8.46374
 BBL MUD= 0.969804
 BBL GAS 0.004266



DELTA T DELTA P

FINAL FLOW - DST #2



INITIAL PRODUCTION CORRECTED TO PSEUDO STEADY FLOW STATE 53.08121 BBL/DAY

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name L. EVANS #1-26 Test No. 3 Date 5/8/91
Company WHITE & ELLIS DRLG INC Zone Tested LANGING "I-J"
Address P.O. BOX 48848 WICHITA KS Elevation 2629 KB
Co. Rep./Geo. MR TOM FUNK Cont. W-E RIG #8 Est. Ft. of Pay 5
Location: Sec. 26 Twp. 15S Rge. 30W Co. GOVE State KS

Interval Tested 3911-3960 Drill Pipe Size 4.5 XH
Anchor Length 49 Wt. Pipe I.D. - 2.7 Ft. Run
Top Packer Depth 3906 Drill Collar — 2.25 Ft. Run
Bottom Packer Depth 3911
Total Depth 3960

Mud Wt. 9.1 lb / gal. Viscosity 41 Filtrate 10

Tool Open @ 5:08 PM Initial Blow FAIR BLOW OFF BOTTOM IN 20 MINUTES

Final Blow FAIR BLOW OFF BOTTOM IN 17 MINUTES

Recovery — Total Feet 144 Flush Tool? NO

Rec. 228 Feet of GAS IN PIPE

Rec. 20 Feet of OIL CUT MUD-20%OIL/80%MUD

Rec. 62 Feet of GAS OIL CUT MUD-15%GAS/25%OIL/60%MUD

Rec. 62 Feet of WATER & MUD CUT OIL-60%OIL/10%WTR/30%MUD

Rec. _____ Feet of _____

BHT 117 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 850 ppm System

(A) Initial Hydrostatic Mud 1871.8 PSI AK1 Recorder No. 13308 Range 4700

(B) First Initial Flow Pressure 39.1 PSI @ (depth) 3913 w/Clock No. 27573

(C) First Final Flow Pressure 58.4 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 980.3 PSI @ (depth) 3922 w/Clock No. 25813

(E) Second Initial Flow Pressure 72.9 PSI AK1 Recorder No. _____ Range _____

(F) Second Final Flow Pressure 94.6 PSI @ (depth) _____ w/Clock No. _____

(G) Final Shut-in Pressure 959.2 PSI Initial Opening 30 Final Flow 45

(H) Final Hydrostatic Mud 1810.2 PSI Initial Shut-in 45 Final Shut-in 60

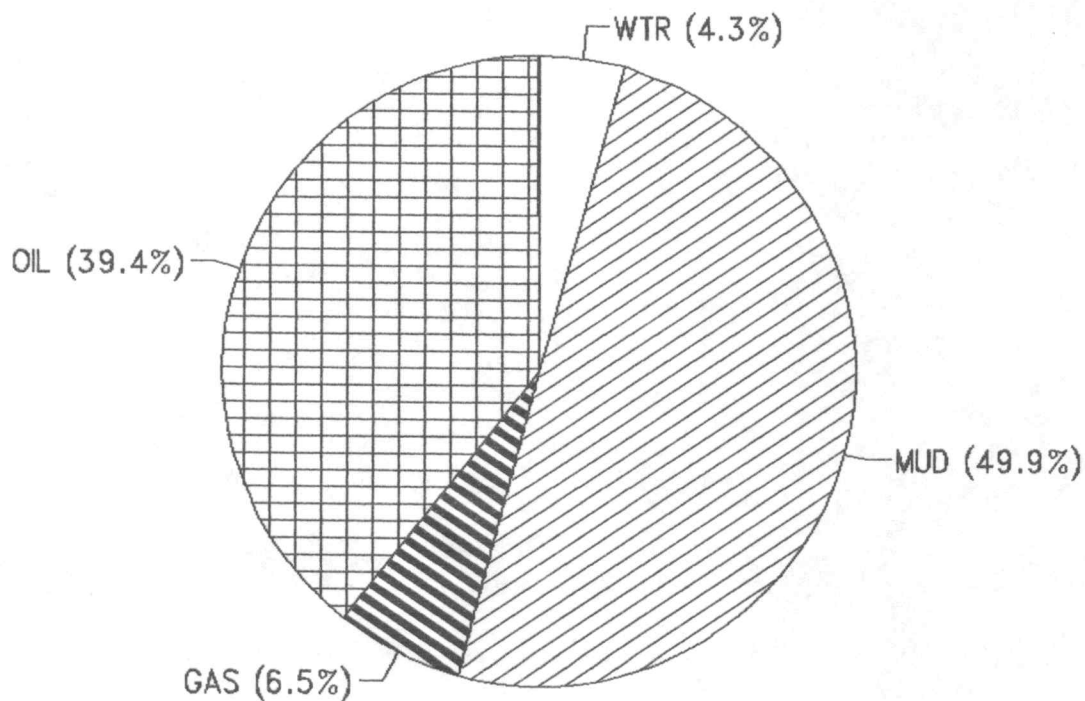
Our Representative MR MARK HERSKOWITZ TOTAL PRICE \$ 550

POINT This is an actual photograph of recorder chart
PRESSURE

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1843	1871.8
(B) FIRST INITIAL FLOW PRESSURE	24	39.1
(C) FIRST FINAL FLOW PRESSURE	36	58.4
(D) INITIAL CLOSED-IN PRESSURE	947	980.3
(E) SECOND INITIAL FLOW PRESSURE	48	72.9
(F) SECOND FINAL FLOW PRESSURE	60	94.6
(G) FINAL CLOSED-IN PRESSURE	947	959.2
(H) FINAL HYDROSTATIC MUD	1807	1810.2

DST #		CALCULATED RECOVERY ANALYSIS						DRILL PIPE	
3		TICKET # 3462							
SAMPLE #	TOTAL FEET	GAS %	FEET	OIL %	FEET	%	WATER FEET	%	MUD FEET
1	20	0	0	20	4	0	0	80	16
2	62	15	9.3	25	15.5	0	0	60	37.2
3	62	0	0	60	37.2	10	6.2	30	18.6
4			0		0		0		0
5			0		0		0		0
TOTAL	144	6.46	9.3	39.375	56.7	4.30556	6.2	49.8611	71.8

BBL OIL= 0.806274 * HRS OPEN BBL/DAY 1.25 15.4805
 BBL WATER 0.088164 * 1.69275
 BBL MUD= 1.020996
 BBL GAS 0.132246



INITIAL FLOW

RECORDER # 13308
DST #3

DT(MIN)	PRESSURE	<> PRESSURE
0	39.1	39.1
3	39.1	0
6	41.5	2.400002
9	43.9	2.400002
12	46.4	2.5
15	48.8	2.399998
18	51.2	2.400002
21	53.6	2.399998
24	56	2.400002
27	58.4	2.400002

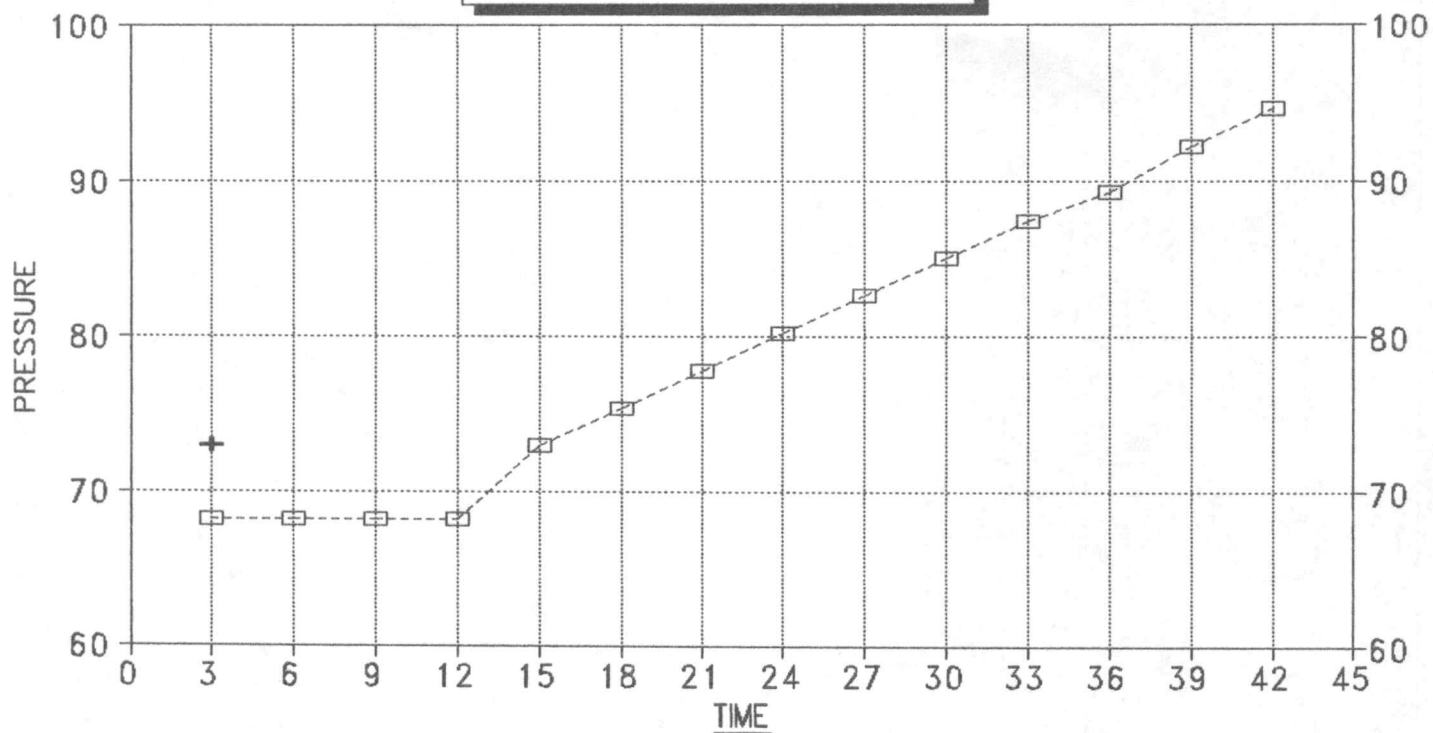
FINAL FLOW

RECORDER # 13308
DST #2

DT(MIN)	PRESSURE	<> PRESSURE
0	80.1	80.1
3	56	-24.1
6	56	0
9	56	0
12	60.8	4.799999
15	67.1	6.299999
18	72.9	5.800003
21	75.3	2.400002
24	77.7	2.399994
27	80.1	2.400002
30	82.6	2.5
33	85	2.400002
36	87.4	2.400002
39	89.8	2.400002
42	92.2	2.399994

DELTA T DELTA P

FINAL FLOW - DST #3



L. EVANS #1-26DST #3
 INITIAL SHUTIN
 30 INITIAL FLOW TIME

 Slope -174.77 psi/cycle
 P * 1,021 psi

	TIME(MIN)	Pws (psi)	Horn T	Log Horn T	<> PRESSURE
	3	710.7	11	1.041	710.7
	6	846.7	6	0.778	136.0
	9	888.9	4	0.637	42.2
	12	917.0	4	0.544	28.1
	15	931.0	3	0.477	14.0
	18	940.4	3	0.426	9.4
	21	949.8	2	0.385	9.4
	24	954.5	2	0.352	4.7
	27	961.5	2	0.325	7.0
X	30	968.6	2	0.301	7.1
	33	973.2	2	0.281	4.6
	36	975.6	2	0.263	2.4
	39	977.9	2	0.248	2.3
X	42	980.3	2	0.234	2.4

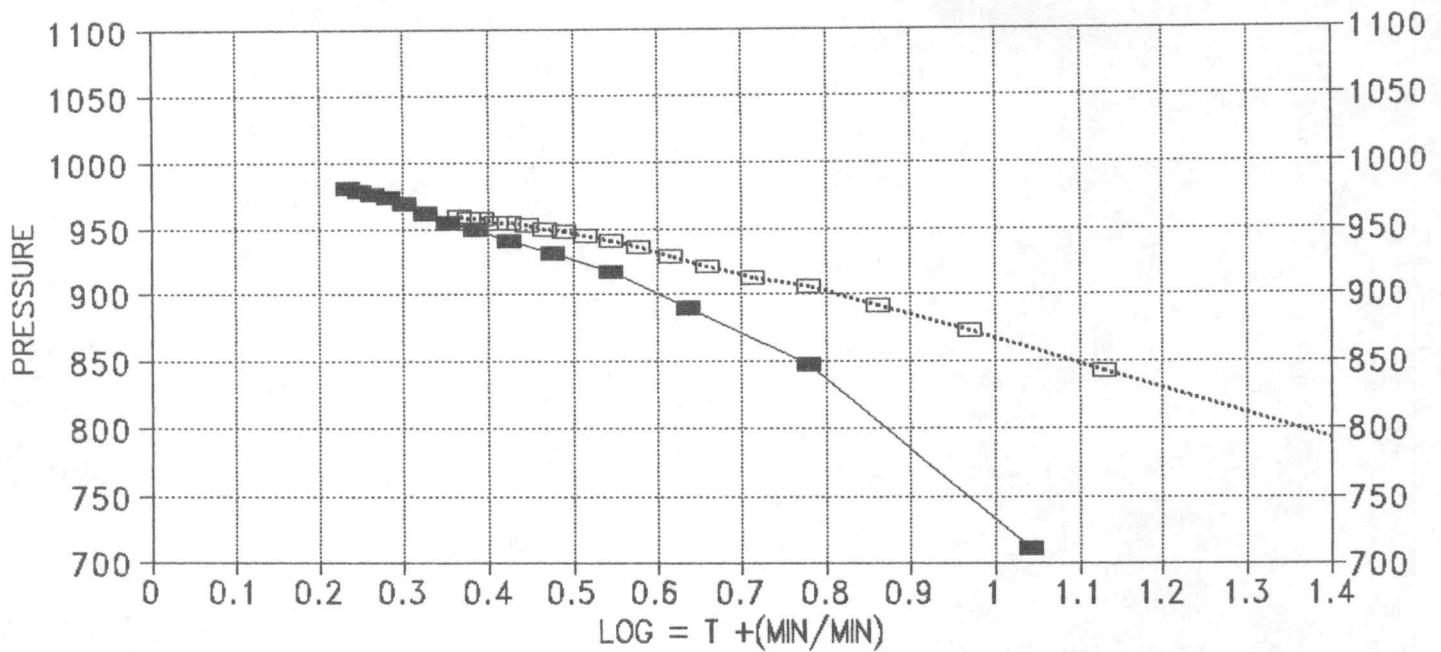
L. EVANS #1-26DST #3
 FINAL SHUTIN
 75 TOTAL FLOW TIME

 Slope -88.49 psi/cycle
 P * 991 psi

	TIME(MIN)	Pws (psi)	Horn T	Log Horn T	<> PRESSURE
	3	790.4	26	1.415	790.4
	6	842.0	14	1.130	51.6
	9	872.4	9	0.970	30.4
	12	891.2	7	0.860	18.8
	15	905.3	6	0.778	14.1
	18	912.3	5	0.713	7.0
	21	920.5	5	0.660	8.2
	24	928.7	4	0.615	8.2
	27	935.7	4	0.577	7.0
	30	940.4	4	0.544	4.7
	33	945.1	3	0.515	4.7
	36	947.5	3	0.489	2.4
	39	949.8	3	0.466	2.3
X	42	952.1	3	0.445	2.3
	45	954.5	3	0.426	2.4
	48	954.5	3	0.409	0.0
	51	956.8	2	0.393	2.3
	54	956.8	2	0.378	0.0
X	57	959.2	2	0.365	2.4

HORNER PLOT

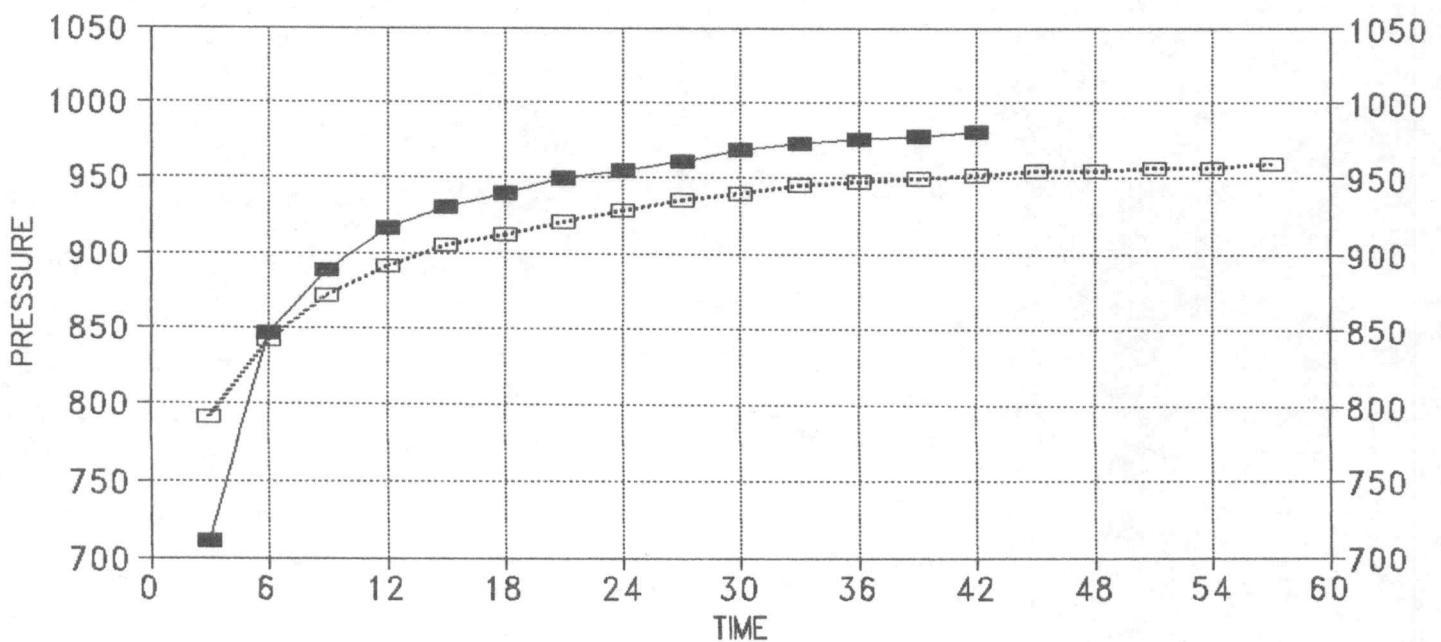
DST #3-L EVANS #1-26



—■— INITIAL FINAL

DELTA T DELTA P

DST #3-L EVANS #1-26



—■— INITIAL FINAL

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

N^o 3462

Test Ticket

Well Name & No.	L. EVANS 1-26		Test No.	3	Date	5-8-91
Company	WHITE & ELLIS DRILLING INC		Zone Tested	LAN'T-J		
Address	Box 48848 Wichita		Elevation	26 29 K13		
Co. Rep./Geo.	JOAN FUNK	Cont.	W-E Rig 8	Est. Ft. of Pay	5	
Location: Sec.	29	Twp.	153	Rge.	30W	Co. GOWIE State KS
No. of Copies	Distribution Sheet		Yes	No	Turnkey	Yes No Evaluation

Interval Tested	3911 - 3960	Drill Pipe Size	4 1/2 XH
Anchor Length	49	Top Choke — 1"	Bottom Choke — 3/4"
Top Packer Depth	3906	Hole Size — 77/8"	Rubber Size — 63/4"
Bottom Packer Depth	3911	Wt. Pipe I.D. — 2.7 Ft. Run	—
Total Depth	3960	Drill Collar — 2.25 Ft. Run	—
Mud Wt.	9.1	lb/gal	Viscosity 41 Filtrate 10.0
Tool Open @	5:08 PM	Initial Blow	FAIR Blow OFF BOTTOM 20 MIN

Final Blow FAIR Blow OFF BOTTOM IN 17 MIN

Recovery — Total Feet	144	Feet of Gas in Pipe	228	Flush Tool?	—
Rec. 20	Feet Of	Oil Mud	% gas 20 % oil 80 % mud	% water	80 % mud
Rec. 62	Feet Of	GAS OIL MUD	15 % gas 25 % oil 60 % mud	% water	60 % mud
Rec. 62	Feet Of	WATER OIL MUD	60 % gas 10 % oil 30 % mud	% water	30 % mud
Rec. —	Feet Of		% gas % oil % water % mud		
Rec. —	Feet Of		% gas % oil % water % mud		

BHT 117 °F Gravity — °API @ — °F Corrected Gravity — °API

RW — @ — °F Chlorides — ppm Recovery Chlorides 850 ppm System

(A) Initial Hydrostatic Mud	1843	PSI	AK1 Recorder No.	13308	Range	4700
(B) First Initial Flow Pressure	24	PSI	@ (depth)	3913	w/Clock No.	2757.3
(C) First Final Flow Pressure	36	PSI	AK1 Recorder No.	10248	Range	4400
(D) Initial Shut-In Pressure	947	PSI	@ (depth)	3922	w/Clock No.	2581.3
(E) Second Initial Flow Pressure	48	PSI	AK1 Recorder No.		Range	
(F) Second Final Flow Pressure	60	PSI	@ (depth)		w/Clock No.	
(G) Final Shut-In Pressure	947	PSI	Initial Opening	30	Test	✓
(H) Final Hydrostatic Mud	1807	PSI	Initial Shut-In	45	Jars	

TRILOBITE TESTING COMPANY 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 SUBSTAINED, 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.

Final Flow	45	Safety Joint	
Final Shut-In	60	Straddle	
		Circ. Sub	✓ NC
		Sampler	
		Extra Packer	
		Other	

Approved By Thomas Funk
 Our Representative Mark Hershey

TOTAL PRICE \$

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name L. EVANS #1-26 Test No. 4 Date 5/9/91
Company WHITE & ELLIS DRLG INC Zone Tested LANSING "K"
Address P.O. BOX 48848 WICHITA KS Elevation 2629 KB
Co. Rep./Geo. MR TOM FUNK Cont. W-E RIG #8 Est. Ft. of Pay 8
Location: Sec. 26 Twp. 15S Rge. 30W Co. GOVE State KS

Interval Tested 3966-3985
Anchor Length 19
Top Packer Depth 3961
Bottom Packer Depth 3966
Total Depth 3985

Drill Pipe Size 4.5 XH
Wt. Pipe I.D. - 2.7 Ft. Run
Drill Collar - 2.25 Ft. Run

Mud Wt. 9.2 lb / gal. Viscosity 46 Filtrate 10

Tool Open @ 9:12 AM Initial Blow GOOD BLOW OFF BOTTOM IN 4 MINUTES

Final Blow FAIR BLOW OFF BOTTOM IN 17 MINUTES
MINUTES ON SHUTIN

Recovery — Total Feet 585 Flush Tool? NO

Rec. 1030 Feet of GAS IN PIPE

Rec. 495 Feet of GAS CUT OIL-1%GAS/99%OIL

Rec. 90 Feet of GAS & MUD CUT OIL-20%GAS/79%OIL/1% MUD

Rec. Feet of

Rec. Feet of
BHT 119 °F Gravity 34 °API @ 70 °F Corrected Gravity 33 °API

RW @ °F Chlorides ppm Recovery Chlorides 850 ppm System

(A) Initial Hydrostatic Mud 1890.8 PSI Ak1 Recorder No. 13308 Range 4700

(B) First Initial Flow Pressure 58.4 PSI @ (depth) 3968 w/Clock No. 27573

(C) First Final Flow Pressure 130.7 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 797.4 PSI @ (depth) 3980 w/Clock No. 25813

(E) Second Initial Flow Pressure 169 PSI AK1 Recorder No. Range

(F) Second Final Flow Pressure 245.5 PSI @ (depth) w/Clock No.

(G) Final Shut-in Pressure 792.7 PSI Initial Opening 30 Final Flow 45

(H) Final Hydrostatic Mud 1843.3 PSI Initial Shut-in 45 Final Shut-in 60

Our Representative MR MARK HERSKOWITZ TOTAL PRICE \$ 550

POINT This is an actual photograph of recorder chart
PRESSURE

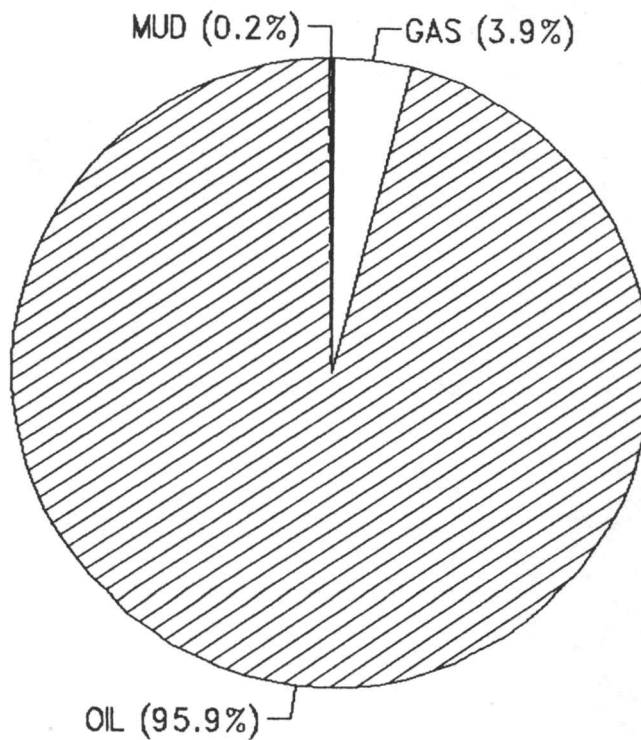
	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1878	1890.8
(B) FIRST INITIAL FLOW PRESSURE	48	58.4
(C) FIRST FINAL FLOW PRESSURE	109	130.7
(D) INITIAL CLOSED-IN PRESSURE	771	797.4
(E) SECOND INITIAL FLOW PRESSURE	133	169
(F) SECOND FINAL FLOW PRESSURE	228	245.5
(G) FINAL CLOSED-IN PRESSURE	771	792.7
(H) FINAL HYDROSTATIC MUD	1843	1843.3

CALCULATED RECOVERY ANALYSIS						DRILL	PIPE		
DST #	4		TICKET #		3463				

SAMPLE	TOTAL		GAS		OIL		WATER		MUD
#	FEET	%	FEET	%	FEET	%	FEET	%	FEET
1	495	1	4.95	99	490.05	0	0	0	0
2	90	20	18	79	71.1	0	0	1	0.9
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	585	3.92	22.95	95.9231	561.15	0	0	0.15385	0.9

BBL OIL= 7.979553 *
 BBL WATER 0 *
 BBL MUD= 0.012798
 BBL GAS 0.326349

HRS OPEN BBL/DAY
 1.25 153.207
 0



COMPUTER EVALUATION BY TRILOBITE TESTING
WHITE & ELLIS DRLG INC
REPORT FOR DST#4 FOR THE L. EVANS #1-26
26-15S-30W GOVE KS

TEST PARAMETERS

ELEVATION:	2629 KB	EST. PAY:	8 FT
DATUM:	-1340	ZONE TESTED:	LANSING "K"
TEST INTERVAL:	3966-3985		
RECORDER DEPTH:	3968	TIME INTERVALS:	30-45-45-60
BOTTOM HOLE TEMP:	119	VISCOSITY:	6.503548 CP
		HOLE SIZE:	7.875 IN

CALCULATIONS

CUBIC FEET OF GAS IN PIPE: 82.23457

TOTAL FEET OF RECOVERY: 585
BARRELS IN DRILL PIPE: 8.3187
GAS OIL RATIO: 9.885507 CU.FT./BBL
BUBBLE POINT PRESSURE: ; 1.10088
TOTAL BARRELS OF RECOVERY: 8.3187

API GRAVITY: 33 UNCORR. INIT. PROD.: 159.719 BBL/DAY

CORRECTED PIPE FILLUP: 658.177 FLUID GRADIENT: .373

CORR. BARRELS OF RECOVERY: 9.35676 BBL
INITIAL PRODUCTION CORRECTED TO FINAL FLOW PRESSURE: 179.6498 BBL/DAY
INITIAL PRODUCTION CORRECTED TO PSEUDO STEADY FLOW STATE
125.0038

INITIAL SLOPE 297.25 PSI/CYCLE
INITIAL P* 867 PSI

FINAL SLOPE 87.24 PSI/CYCLE
FINAL P* 825 PSI

TRANSMISSIBILITY	334.8356 (MD.-FT./CP.)
PERMEABILITY	272.2024 (MD.)
INDICATED FLOW CAPACITY	2177.62 (MD.FT)
PRODUCTIVITY INDEX	.3783643 (BARRELS/DAY/PSI)
DAMAGE RATIO	1.215595
RADIUS OF INVESTIGATION	142.8817 (FT.)
THEORETICAL POTENTIAL FROM FINAL FLOW PRESSURE	218.3814 BBL/DAY
THEORETICAL POTENTIAL FROM PSEUDO STEADY FLOW STATE	151.954 BBL/DAY
POTENTIOMETRIC SURFACE	574.1751 (FT.)
DRAWDOWN FACTOR	4.84429 (%)

----- INITIAL FLOW -----

RECORDER # 13308
DST #4

DT(MIN)	PRESSURE	<> PRESSURE
0	58.4	58.4
3	68.1	9.699997
6	72.9	4.800003
9	82.6	9.699997
12	92.2	9.599999
15	101.8	9.600006
18	109	7.199997
21	116.3	7.300003
24	123.5	7.199997
27	130.7	7.199997

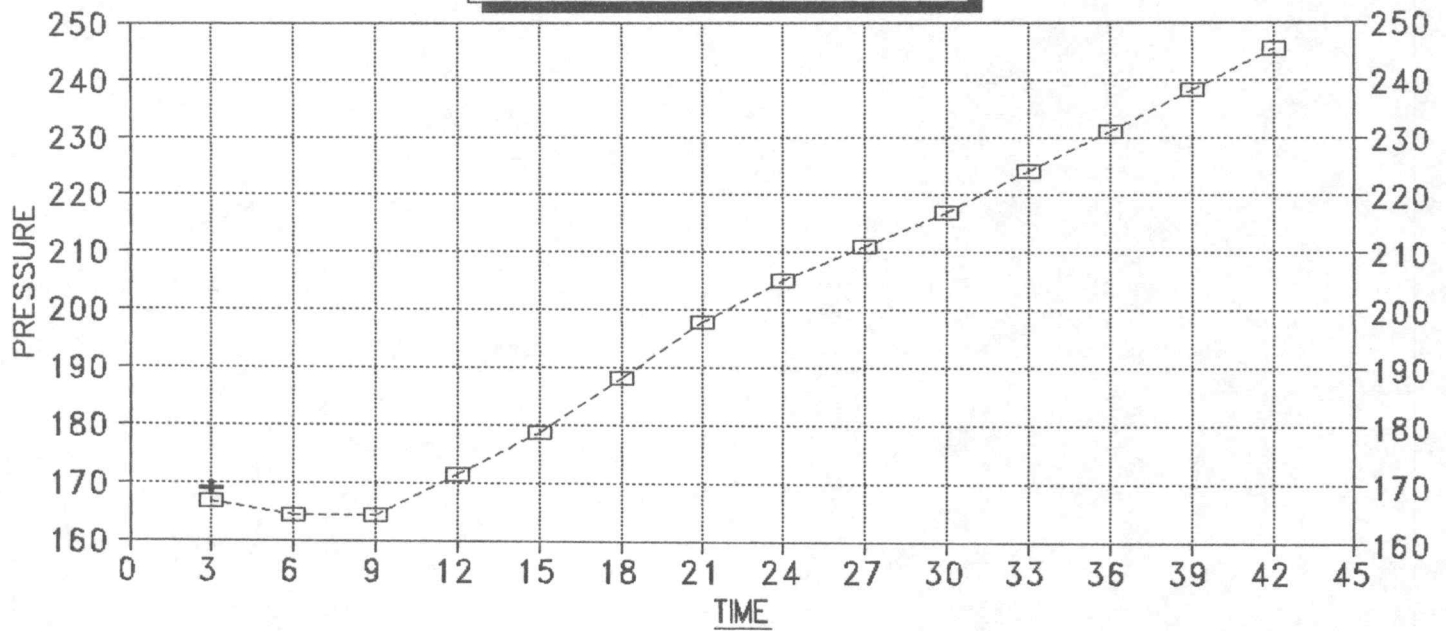
----- FINAL FLOW -----

RECORDER # 13308
DST #4

DT(MIN)	PRESSURE	<> PRESSURE
0	169	169
3	166.7	-2.300003
6	164.3	-2.399994
9	164.3	0
12	171.4	7.099991
15	178.6	7.200012
18	188.2	9.599991
21	197.8	9.600006
24	204.9	7.099991
27	210.9	6
30	216.9	6
33	224	7.100006
36	231.2	7.199997
39	238.4	7.199997
42	245.5	7.100006

DELTA T DELTA P

FINAL FLOW - DST #4



--□-- U. EVANS #1-26

INITIAL PRODUCTION CORRECTED TO PSEUDO STEADY FLOW STATE 125.0038 BBL/DAY

L. EVANS #1-26DST #4

INITIAL

SHUTIN

30 INITIAL FLOW TIME

Slope -297.25 psi/cycle
P * 867 psi

TIME(MIN)	Pws (psi)	Horn T	Log Horn T	<> PRESSURE
3	661.4	11	1.041	661.4
6	694.2	6	0.778	32.8
9	715.3	4	0.637	21.1
12	729.4	4	0.544	14.1
15	741.1	3	0.477	11.7
18	750.5	3	0.426	9.4
21	759.9	2	0.385	9.4
24	766.9	2	0.352	7.0
27	772.8	2	0.325	5.9
X 30	777.5	2	0.301	4.7
33	782.1	2	0.281	4.6
36	788.1	2	0.263	6.0
39	792.7	2	0.248	4.6
X 42	797.4	2	0.234	4.7

L. EVANS #1-26DST #4

FINAL

SHUTIN

75 TOTAL FLOW

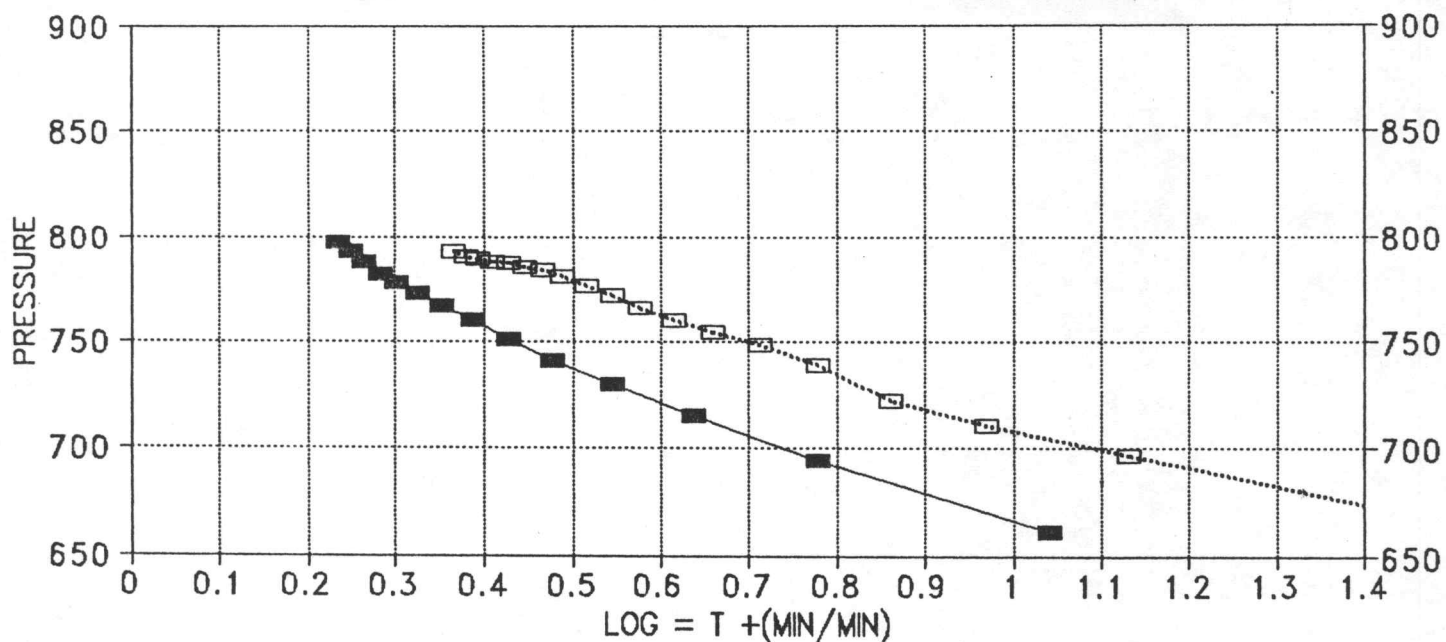
TIME

Slope -87.24 psi/cycle
P * 825 psi

TIME(MIN)	Pws (psi)	Horn T	Log Horn T	<> PRESSURE
3	673.1	26	1.415	673.1
6	696.6	14	1.130	23.5
9	710.7	9	0.970	14.1
12	722.4	7	0.860	11.7
15	738.8	6	0.778	16.4
18	748.2	5	0.713	9.4
21	754.0	5	0.660	5.8
24	759.9	4	0.615	5.9
27	765.8	4	0.577	5.9
30	771.6	4	0.544	5.8
33	776.3	3	0.515	4.7
36	781	3	0.489	4.7
39	783.7	3	0.466	2.7
X 42	785.7	3	0.445	2.0
45	787.1	3	0.426	1.4
48	788.1	3	0.409	1.0
51	789.1	2	0.393	1.0
54	790.4	2	0.378	1.3
X 57	792.7	2	0.365	2.3

HORNER PLOT

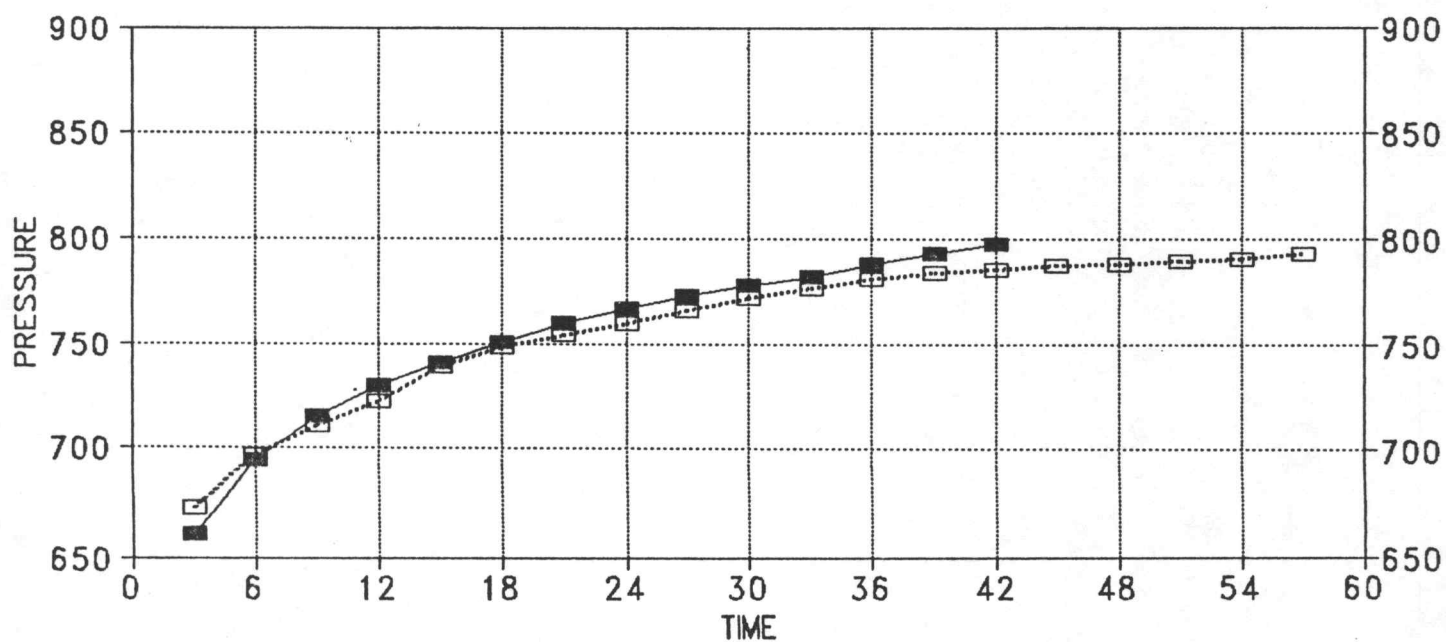
DST #4 EVANS #1-26



—■— INITIAL □ FINAL

DELTA T DELTA P

DST #4 EVANS #1-26



—■— INITIAL □ FINAL

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name L. EVANS #1-26 Test No. 5 Date 5/9/91
Company WHITE & ELLIS DRLG INC Zone Tested MIDDLE CREEK
Address P.O. BOX 48848 WICHITA KS Elevation 2629 KB
Co. Rep./Geo. MR TOM FUNK Cont. W-E RIG #8 Est. Ft. of Pay 4
Location: Sec. 26 Twp. 15S Rge. 30W Co. GOVE State KS

Interval Tested 4002-4022
Anchor Length 20
Top Packer Depth 3997
Bottom Packer Depth 4002
Total Depth 4022

Drill Pipe Size 4.5 XH
Wt. Pipe I.D. - 2.7 Ft. Run _____
Drill Collar - 2.25 Ft. Run _____

Mud Wt. 9.2 lb / gal. Viscosity 48 Filtrate 9.8

Tool Open @ 9:37 PM Initial Blow FAIR BLOW OFF BOTTOM IN 23 MINUTES

Final Blow BLOW OFF BOTTOM IN 16 MINUTES-4" BLOW ON SHUTIN

Recovery — Total Feet 130 Flush Tool? NO

Rec. 484 Feet of GAS IN PIPE

Rec. 68 Feet of GAS CUT OIL-1%GAS/99%OIL

Rec. 62 Feet of GAS OIL CUT MUD-15%GAS/35%OIL/50%MUD

Rec. _____ Feet of _____

Rec. _____ Feet of _____
BHT 119 °F Gravity 37 °API @ 70 °F Corrected Gravity 36 °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 950 ppm System

(A) Initial Hydrostatic Mud 1897.9 PSI AK1 Recorder No. 13308 Range 4700

(B) First Initial Flow Pressure 10.1 PSI @ (depth) 4004 w/Clock No. 27573

(C) First Final Flow Pressure 18.5 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 140.3 PSI @ (depth) 4017 w/Clock No. 25813

(E) Second Initial Flow Pressure 43.9 PSI AK1 Recorder No. _____ Range _____

(F) Second Final Flow Pressure 39.1 PSI @ (depth) _____ w/Clock No. _____

(G) Final Shut-in Pressure 183.4 PSI Initial Opening 30 Final Flow 45

(H) Final Hydrostatic Mud 1874.2 PSI Initial Shut-in 45 Final Shut-in 60

Our Representative MR MARK HERSKOWITZ

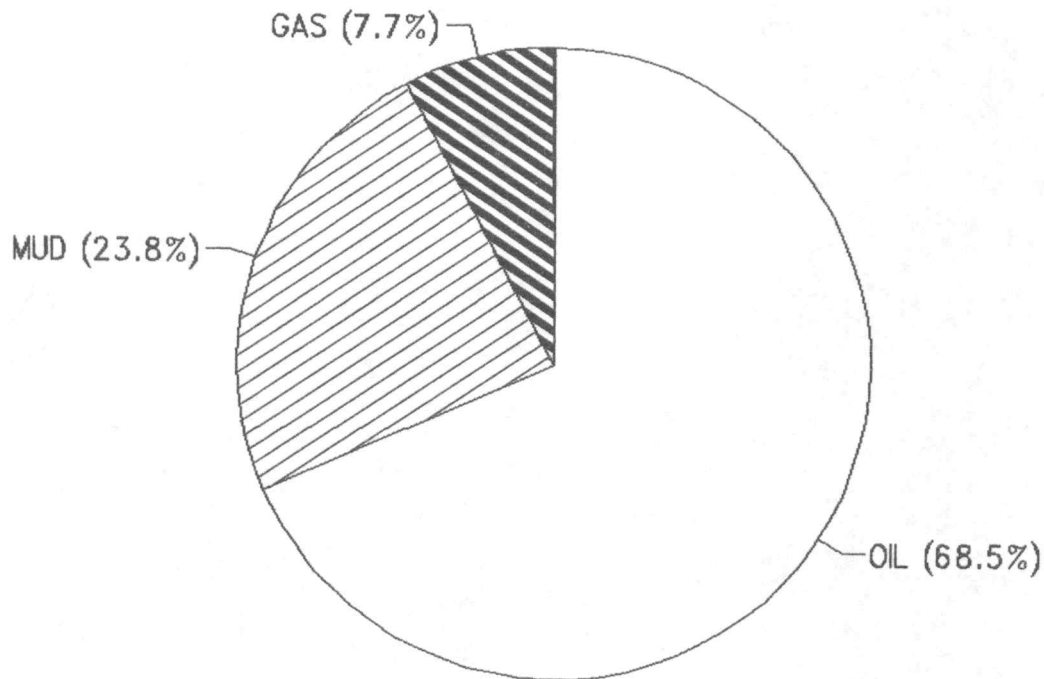
TOTAL PRICE \$ 550

POINT This is an actual photograph of recorder chart
PRESSURE

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1890	1897.9
(B) FIRST INITIAL FLOW PRESSURE	12	10.1
(C) FIRST FINAL FLOW PRESSURE	24	18.5
(D) INITIAL CLOSED-IN PRESSURE	133	140.3
(E) SECOND INITIAL FLOW PRESSURE	24	43.9
(F) SECOND FINAL FLOW PRESSURE	36	39.1
(G) FINAL CLOSED-IN PRESSURE	169	183.4
(H) FINAL HYDROSTATIC MUD	1867	1874.2

DST #		CALCULATED RECOVERY ANALYSIS						DRILL	PIPE
5		TICKET # 3464							
SAMPLE #	TOTAL FEET	GAS %	FEET	OIL %	FEET	WATER %	FEET	MUD %	FEET
1	68	1	0.68	99	67.32	0	0	0	0
2	62	15	9.3	35	21.7	0	0	50	31
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	130	7.68	9.98	68.4769	89.02	0	0	23.8462	31

BBL OIL= 1.265864 * HRS OPEN BBL/DAY 1.25 24.3046
 BBL WATER 0 * 0
 BBL MUD= 0.44082
 BBL GAS 0.141916



COMPUTER EVALUATION BY TRILOBITE TESTING
WHITE & ELLIS DRLG INC
REPORT FOR DST#5 FOR THE L. EVANS #1-26
26-15S-30W GOVE KS

TEST PARAMETERS

ELEVATION:	2629 KB	EST. PAY:	4 FT
DATUM:	-1376	ZONE TESTED:	MIDDLE CREEK
TEST INTERVAL:	4002-4022		
RECORDER DEPTH:	4004	TIME INTERVALS:	30-45-45-60
BOTTOM HOLE TEMP:	119	VISCOSITY:	3.171347 CP
		HOLE SIZE:	7.875 IN

CALCULATIONS

CUBIC FEET OF GAS IN PIPE: 38.64226

TOTAL FEET OF RECOVERY: 130
BARRELS IN DRILL PIPE: 1.8486
GAS OIL RATIO: 20.90353 CU.FT./BBL
BUBBLE POINT PRESSURE: ; 1.24449
TOTAL BARRELS OF RECOVERY: 1.8486

API GRAVITY: 36

UNCORR. INIT. PROD.: 35.49312 BBL/DAY

CORRECTED PIPE FILLUP: 107.1038

FLUID GRADIENT: .366

CORR. BARRELS OF RECOVERY: 1.52154 BBL
INITIAL PRODUCTION CORRECTED TO FINAL FLOW PRESSURE: 29.21357 BBL/DAY
INITIAL PRODUCTION CORRECTED TO PSEUDO STEADY FLOW STATE
15.33931

INITIAL SLOPE 11.95 PSI/CYCLE
INITIAL P* 143 PSI

FINAL SLOPE 3.7 PSI/CYCLE
FINAL P* 187 PSI

TRANSMISSIBILITY	1283.818 (MD.-FT./CP.)
PERMEABILITY	1017.858 (MD.)
INDICATED FLOW CAPACITY	4071.432 (MD.FT)
PRODUCTIVITY INDEX	1.450714 (BARRELS/DAY/PSI)
DAMAGE RATIO	7.310108
RADIUS OF INVESTIGATION	276.2958 (FT.)
THEORETICAL POTENTIAL FROM FINAL FLOW PRESSURE	213.5543 BBL/DAY
THEORETICAL POTENTIAL FROM PSEUDO STEADY FLOW STATE	112.132 BBL/DAY
POTENTIOMETRIC SURFACE	-941.347 (FT.)
DRAWDOWN FACTOR	-30.76923 (%)

INITIAL FLOW

RECORDER # 13308

DST #5

DT(MIN)	PRESSURE	<> PRESSURE
0	10.1	10.1
3	10.1	0
6	10.1	0
9	12.5	2.4
12	14.9	2.4
15	14.9	0
18	17.3	2.4
21	17.3	0
24	18.5	1.200001
27	18.5	0

FINAL FLOW

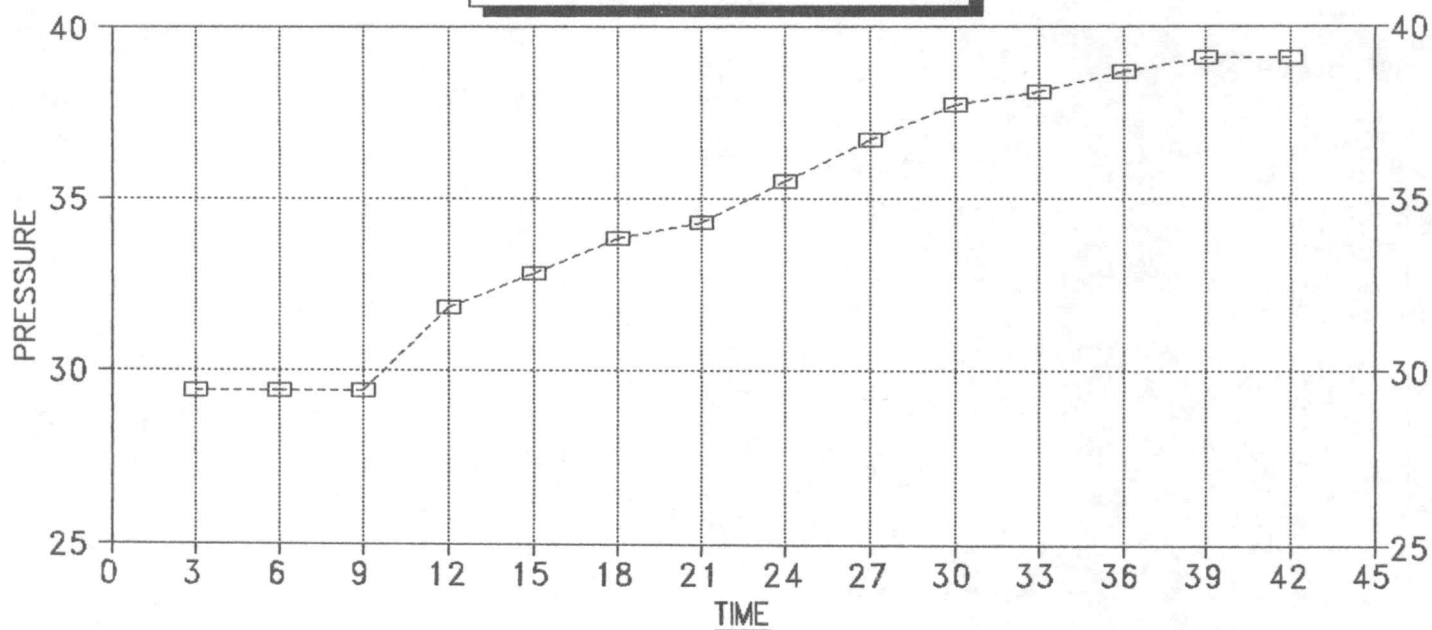
RECORDER # 13308

DST #5

DT(MIN)	PRESSURE	<> PRESSURE
0	43.9	43.9
3	29.4	-14.5
6	29.4	0
9	29.4	0
12	31.8	2.4
15	32.8	1
18	33.8	1
21	34.3	.5
24	35.5	1.200001
27	36.7	1.200001
30	38.7	2
33	38.7	0
36	39.1	.3999977
39	39.1	0
42	39.2	.1000023

DELTA T DELTA P

FINAL FLOW - DST #5



--□-- U. EVANS #1-26

INITIAL PRODUCTION CORRECTED TO PSEUDO STEADY FLOW STATE 15.33931 BBL/DAY

L. EVANS #1-26DST #5
INITIAL SHUTIN

30 INITIAL FLOW TIME

Slope -11.95 psi/cycle
P * 143 psi

TIME(MIN)	Pws (psi)	Horn T	Log Horn T	<> PRESSURE
3	54.2	11	1.041	54.2
6	70.5	6	0.778	16.3
9	77.7	4	0.637	7.2
12	98.1	4	0.544	20.4
15	113.9	3	0.477	15.8
18	128.3	3	0.426	14.4
21	135.9	2	0.385	7.6
24	137.9	2	0.352	2.0
27	138.9	2	0.325	1.0
X 30	139.5	2	0.301	0.6
33	140.1	2	0.281	0.6
36	140.2	2	0.263	0.1
X 39	140.3	2	0.248	0.1
42	140.3	2	0.234	0.0

L. EVANS #1-26DST #5
FINAL SHUTIN

75 TOTAL FLOW

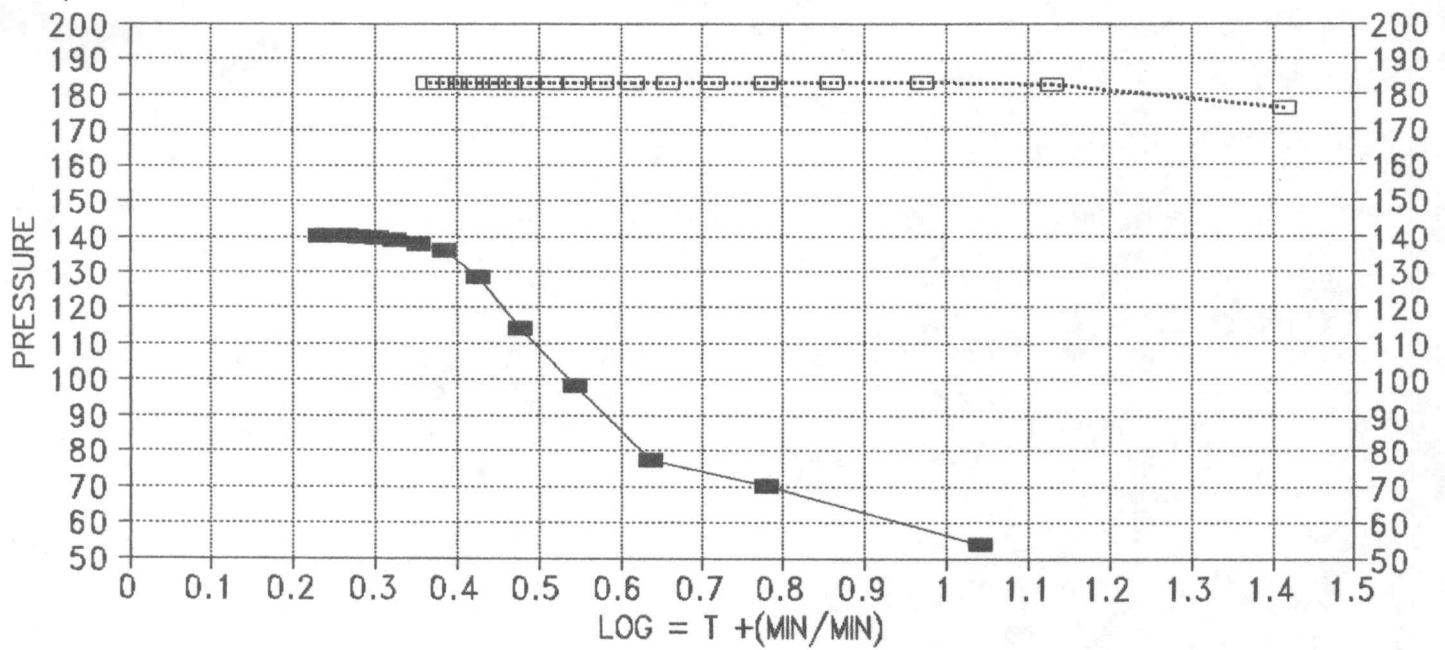
TIME

Slope -3.70 psi/cycle
P * 187 psi

TIME(MIN)	Pws (psi)	Horn T	Log Horn T	<> PRESSURE
X 3	176.2	26	1.415	176.2
6	182.4	14	1.130	6.2
X 9	183.4	9	0.970	1.0
12	183.4	7	0.860	0.0
15	183.4	6	0.778	0.0
18	183.4	5	0.713	0.0
21	183.4	5	0.660	0.0
24	183.4	4	0.615	0.0
27	183.4	4	0.577	0.0
30	183.4	4	0.544	0.0
33	183.4	3	0.515	0.0
36	183.4	3	0.489	0.0
39	183.4	3	0.466	0.0
42	183.4	3	0.445	0.0
45	183.4	3	0.426	0.0
48	183.4	3	0.409	0.0
51	183.4	2	0.393	0.0
54	183.4	2	0.378	0.0
57	183.4	2	0.365	0.0

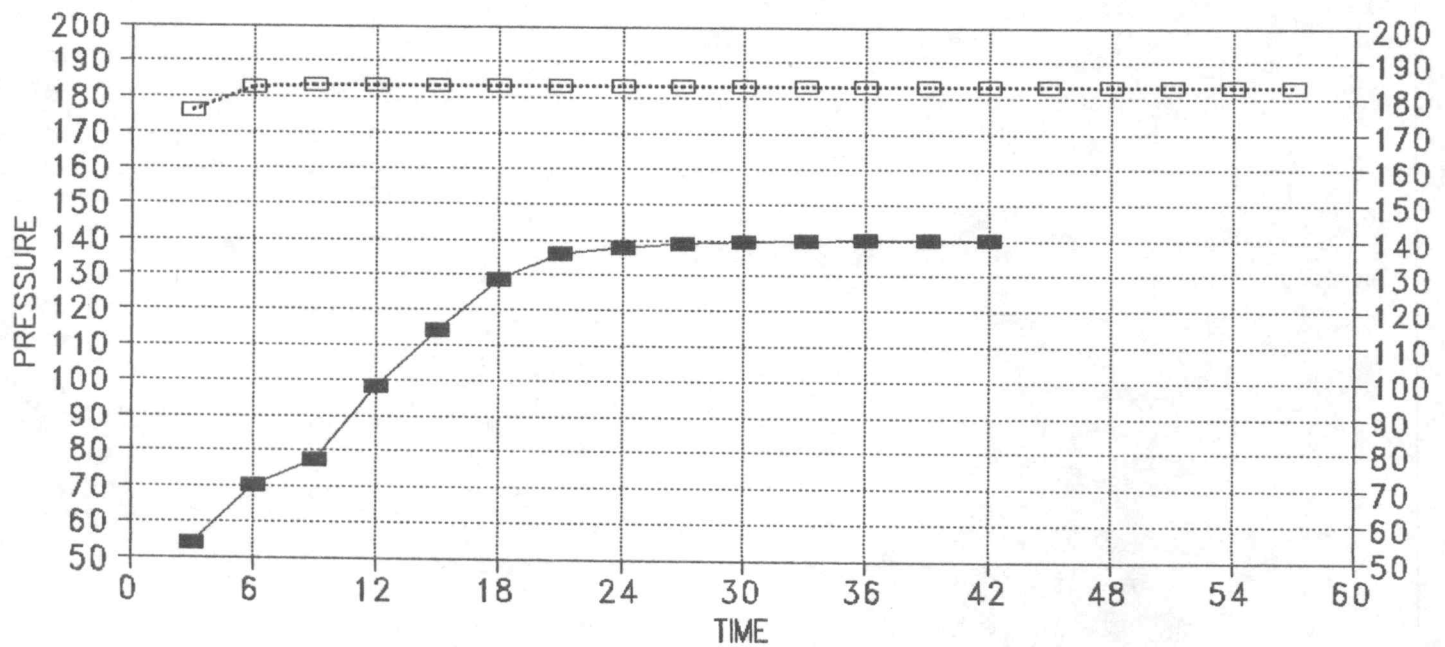
HORNER PLOT

DST #5-L EVANS #1-26



DELTA T DELTA P

DST #5-L EVANS #1-26



TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name L. EVANS #1-26 Test No. 6 Date 5/11/91
Company WHITE & ELLIS DRLG INC Zone Tested JOHNSON
Address P.O. BOX 48848 WICHITA KS Elevation 2629 KB
Co. Rep./Geo. MR TOM FUNK Cont. W-E RIG #8 Est. Ft. of Pay 2
Location: Sec. 26 Twp. 15S Rge. 30W Co. GOVE State KS

Interval Tested 4255-4315 Drill Pipe Size 4.5 XH
Anchor Length 60 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4250 Drill Collar — 2.25 Ft. Run _____
Bottom Packer Depth 4255
Total Depth 4315

Mud Wt. 9.5 lb / gal. Viscosity 56 Filtrate 10

Tool Open @ 6:07 AM Initial Blow WEAK BLOW ON SURFACE FOR 20 MINUTES-NO BLOW

Final Blow WEAK SURFACE BLOW FOR 3 MINUTES

Recovery — Total Feet 20 Flush Tool? NO

Rec. 20 Feet of OIL CUT MUD-1%OIL/99%MUD

Rec. _____ Feet of _____

Rec. _____ Feet of _____

Rec. _____ Feet of _____

Rec. _____ Feet of _____

BHT 119 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 850 ppm System

(A) Initial Hydrostatic Mud 2071.5 PSI AK1 Recorder No. 13308 Range 4700

(B) First Initial Flow Pressure 14.2 PSI @ (depth) 4257 w/Clock No. 27573

(C) First Final Flow Pressure 14.2 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 779.6 PSI @ (depth) 4287 w/Clock No. 25813

(E) Second Initial Flow Pressure 14.2 PSI AK1 Recorder No. _____ Range _____

(F) Second Final Flow Pressure 26.9 PSI @ (depth) _____ w/Clock No. _____

(G) Final Shut-in Pressure 655.3 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 2020.4 PSI Initial Shut-in 30 Final Shut-in 30

Our Representative MR MARK HERSKOWITZ

TOTAL PRICE \$ 550

POINT This is an actual photograph of recorder chart
PRESSURE

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2068	2071.5
(B) FIRST INITIAL FLOW PRESSURE	12	14.2
(C) FIRST FINAL FLOW PRESSURE	12	14.2
(D) INITIAL CLOSED-IN PRESSURE	771	779.6
(E) SECOND INITIAL FLOW PRESSURE	12	14.2
(F) SECOND FINAL FLOW PRESSURE	24	26.9
(G) FINAL CLOSED-IN PRESSURE	654	655.3
(H) FINAL HYDROSTATIC MUD	2021	2020.4