TRILOBITE TESTING COMPANY, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name SHERWIN TRUST #3-10 Test No. 1 Date 1/21/92
Company RANKEN ENERGY CORP Zone Tested MARMATON
Address 2325 S.W. 15th EDMOND OK 73013 Elevation 2534 K.B.
Co. Rep./Geo. MR DOUG BELLIS Cont. EMPHASIS RIG #8 Est. Ft. of Pay 4
Location: Sec. 10 Twp. 18S Rge. 26W Co. NESS State KS

Interval Tested 4277-4289
Anchor Length 12
Top Packer Depth 4272
Bottom Packer Depth 4277
Total Depth 4289

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 40 Filtrate N/A

Tool Open @ 12:38 AM Initial Blow STRONG BLOW OFF BOTTOM IN 2 MINUTES-
ISI:BLED OFF BLOW-SURFACE RETURN BUILT TO 2" BLOW
Final Blow FAIR TO STRONG BLOW OFF BOTTOM IN 2 MINUTES
FSI:BLED OFF BLOW-SURFACE RETURN BUILT TO BOTTOM IN 5 MINUTES

Recovery — Total Feet 465 / G.I.P.-3040' Flush Tool? NO

Rec. 93 Feet of GSY WTR MUD CUT OIL-60%GAS/25%OIL/5%WTR/10%MUD
Rec. 124 Feet of GSY WTR CUT OIL-65%GAS/15%OIL/15%WTR/5%MUD
Rec. 124 Feet of GSY OIL CUT WTR-60%GAS/10%OIL/30%WTR
Rec. 94 Feet of GSY WTR CUT OIL-65%GAS/25%OIL/10%WTR
Rec. 30 Feet of WATER

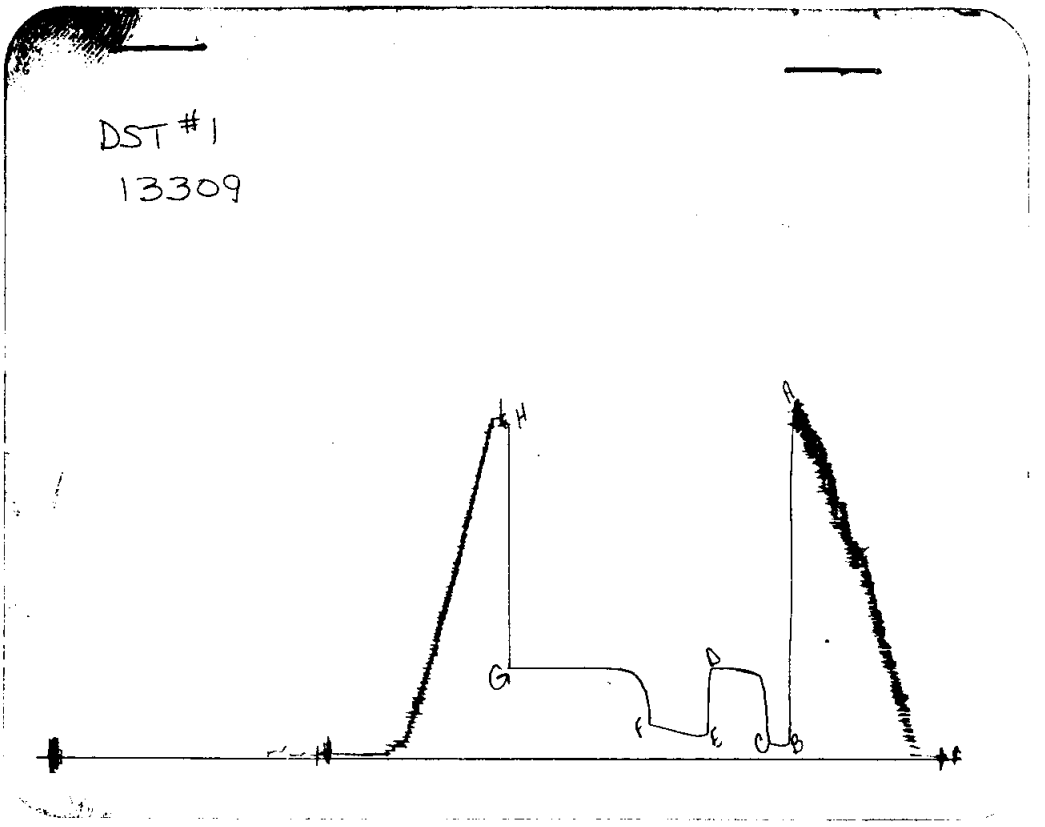
BHT 119 °F Gravity °API @ °F Corrected Gravity 38 °API

RW 0.49 @ 50 °F Chlorides 20000 ppm Recovery Chlorides N/A ppm System

(A) Initial Hydrostatic Mud	2107.2 PSI	AK1 Recorder No.	13309	Range	4700
(B) First Initial Flow Pressure	59.2 PSI	@ (depth)	4280	w/Clock No.	27566
(C) First Final Flow Pressure	65.4 PSI	AK1 Recorder No.	13339	Range	4025
(D) Initial Shut-In Pressure	520 PSI	@ (depth	4284	w/Clock No.	7952
(E) Second Initial Flow Pressure	118.5 PSI	AK1 Recorder No.		Range	
(F) Second Final Flow Pressure	184 PSI	@ (depth)		w/Clock No.	
(G) Final Shut-In Pressure	522 PSI	Initial Opening	15	Final Flow	45
(H) Final Hydrostatic Mud	2071.1 PSI	Initial Shut-In	45	Final Shut-In	90

Our Representative ROD STEINBRINK TOTAL PRICE $ 600

Printcraft Printers - Hays, KS



This is an actual photograph of recorder chart

POINT	PRESSURE	FIELD READING	OFFICE READING
(A)	INITIAL HYDROSTATIC MUD	2103	2107.2
(B)	FIRST INITIAL FLOW PRESSURE	41	59.2
(C)	FIRST FINAL FLOW PRESSURE	62	65.4
(D)	INITIAL CLOSED-IN PRESSURE	509	520
(E)	SECOND INITIAL FLOW PRESSURE	104	118.5
(F)	SECOND FINAL FLOW PRESSURE	166	184
(G)	FINAL CLOSED-IN PRESSURE	509	522
(H)	FINAL HYDROSTATIC MUD	2053	2071.1

COMPUTER EVALUATION BY TRILOBITE TESTING
RANKEN ENERGY CORPORATION
REPORT FOR DST#1 FOR THE SHERWIN TRUST #3-10
10-18S-26W NESS KANSAS

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TEST PARAMETERS

ELEVATION: 2534 KB
DATUM: -1751
TEST INTERVAL: 4277-4289

RECORDER DEPTH: 4284
BOTTOM HOLE TEMP: 119

EST. PAY: 4 FT
ZONE TESTED: MARMATON

TIME INTERVALS: 15-45-45-90
VISCOSITY: 2.989434 CP
HOLE SIZE: 7.875 IN

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CALCULATIONS

CUBIC FEET OF GAS IN PIPE: 242.7117

TOTAL FEET OF RECOVERY: 465
BARRELS IN DRILL PIPE: 6.6123
GAS OIL RATIO: 36.7061 CU.FT./BBL
BUBBLE POINT PRESSURE: ; 1.425059
TOTAL BARRELS OF RECOVERY: 6.6123

UNCORR. INIT. PROD.: 158.6952 BBL/DAY

API GRAVITY: 38

FLUID GRADIENT: .362

CORRECTED PIPE FILLUP: 508.2873

CORR. BARRELS OF RECOVERY: 7.22376 BBL

INITIAL PRODUCTION CORRECTED TO FINAL FLOW PRESSURE: 173.3703 BBL/DAY
INITIAL PRODUCTION CORRECTED TO PSEUDO STEADY FLOW STATE
79.48641

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INITIAL SLOPE 23.01 PSI/CYCLE
INITIAL P* 523 PSI

FINAL SLOPE 6.12 PSI/CYCLE
FINAL P* 523 PSI

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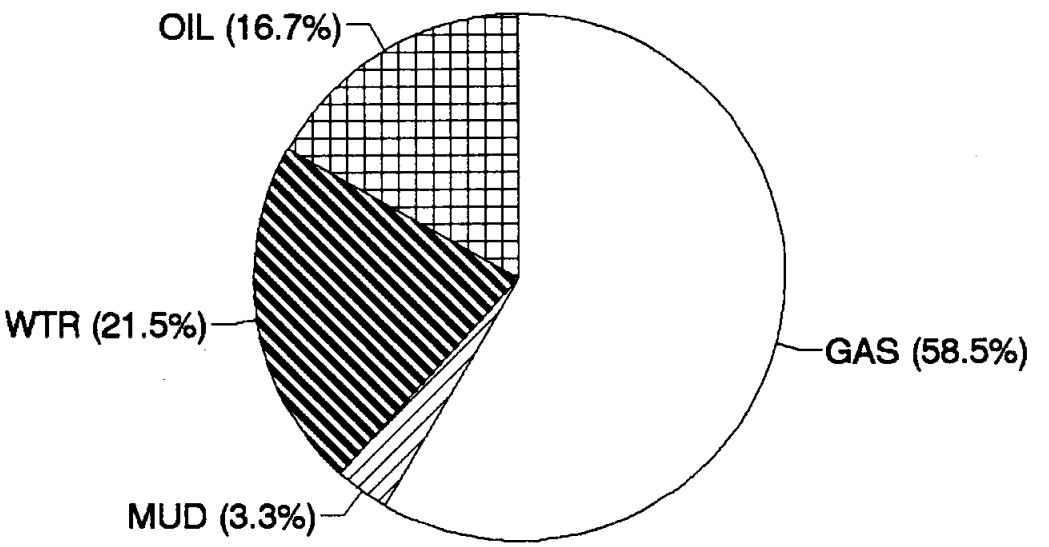
TRANSMISSIBILITY	4606.21 (MD.-FT./CP.)
PERMEABILITY	3442.49 (MD.)
INDICATED FLOW CAPACITY	13769.96 (MD.FT)
PRODUCTIVITY INDEX	5.205017 (BARRELS/DAY/PSI)
DAMAGE RATIO	10.13676
RADIUS OF INVESTIGATION	454.4771 (FT.)
THEORETICAL POTENTIAL FROM FINAL FLOW PRESSURE	1757.414 BBL/DAY
THEORITICAL POTENTIAL FROM PSEUDO STEADY FLOW STATE	805.7351 BBL/DAY
POTENTIOMETRIC SURFACE	-537.163 (FT.)
DRAWDOWN FACTOR	0 (%)

CALCULATED RECOVERY ANALYSIS DRILL PIPE

DST # 1 TICKET # 4534

SAMPLE #	TOTAL FEET	GAS %	GAS FEET	OIL %	OIL FEET	WATER %	WATER FEET	MUD %	MUD FEET
1	93	60	55.8	25	23.25	5	4.65	10	9.3
2	124	65	80.6	15	18.6	15	18.6	5	6.2
3	124	60	74.4	10	12.4	30	37.2	0	0
4	94	65	61.1	25	23.5	10	9.4	0	0
5	30		0		0	100	30	0	0
TOTAL	465	58.5	271.9	16.7204	77.75	21.4731	99.85	3.33333	15.5

		HRS OPEN	BBL/DAY
BBL OIL= 1.105605	*	1	26.5345
BBL WATER1.419867	*		34.0768
BBL MUD= 0.22041			
BBL GAS 3.866418			



INITIAL FLOW

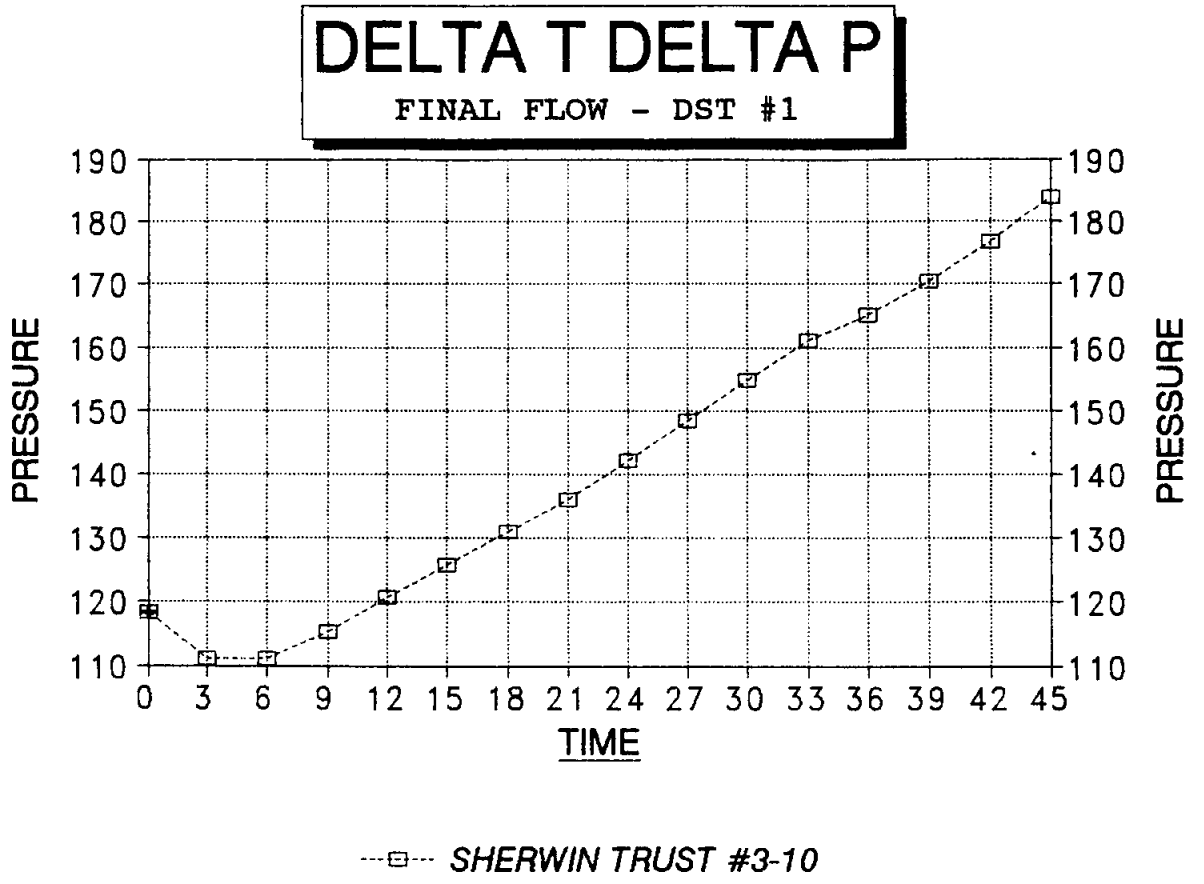
RECORDER # 13339
DST #1

DT(MIN)	PRESSURE	<> PRESSURE
0	59.2	59.2
3	50.9	-8.3
6	48.8	-2.100002
9	49.9	1.100002
12	57.1	7.199997
15	65.4	8.300003

FINAL FLOW

RECORDER # 13339
DST #1

DT(MIN)	PRESSURE	<> PRESSURE
0	118.5	118.5
3	111.2	-7.300003
6	111.2	0
9	115.3	4.100006
12	120.6	5.299996
15	125.7	5.099999
18	131	5.300003
21	136.1	5.100006
24	142.4	6.299988
27	148.6	6.200012
30	154.8	6.199997
33	161.1	6.300003
36	165.2	4.099991
39	170.5	5.300003
42	176.7	6.199997
45	184	7.300003



INITIAL PRODUCTION CORRECTED TO PSEUDO STEADY FLOW STATE 79.48641 BBL/DAY

SHERWIN TRUST DST #1
INITIAL SHUTIN
15 INITIAL FLOW TIME

Slope -23.01 psi/cycle
p * 523 psi

	TIME(MIN)	Pws (psi)	Horn T	Log Horn T	<> PRESSURE
	6	484.4	4	0.544	484.4
	12	508.0	2	0.352	23.6
	18	517.0	2	0.263	9.0
	24	518.0	2	0.211	1.0
X	30	519.0	2	0.176	1.0
	36	520.0	1	0.151	1.0
X	42	520.0	1	0.133	0.0

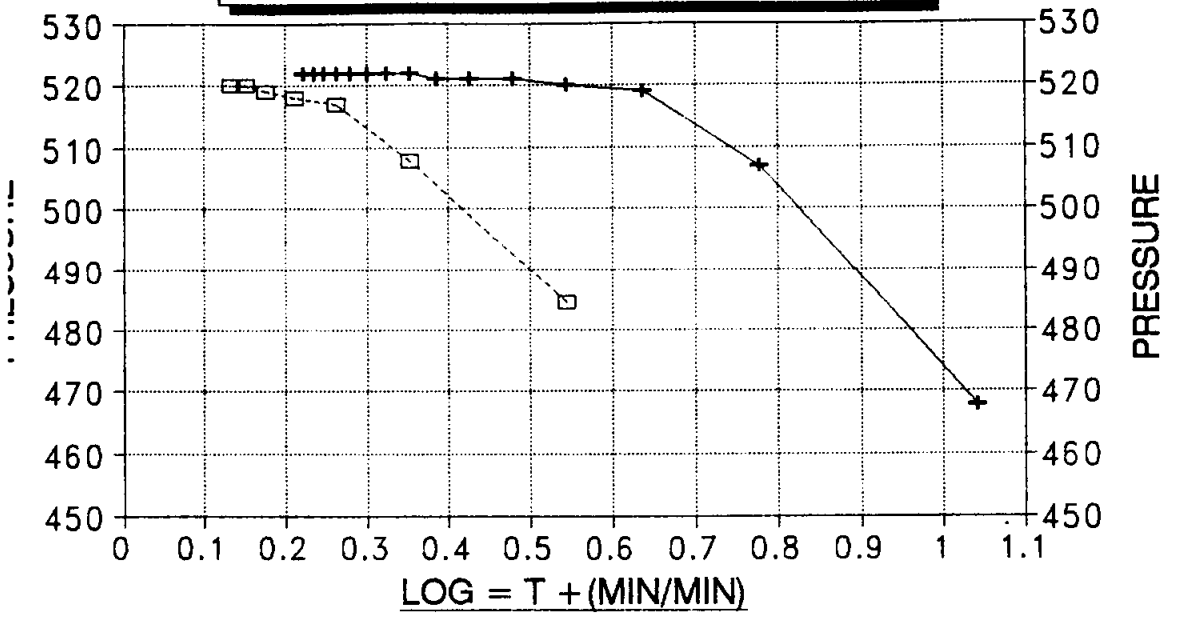
SHERWIN TRUST DST #1
FINAL SHUTIN
60 TOTAL FLOW TIME

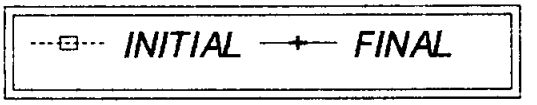
Slope -6.12 psi/cycle
p * 523 psi

	TIME(MIN)	Pws (psi)	Horn T	Log Horn T	<> PRESSURE
	6	467.8	11	1.041	467.8
	12	507.0	6	0.778	39.2
	18	519.0	4	0.637	12.0
	24	520.0	4	0.544	1.0
	30	521.0	3	0.477	1.0
	36	521.0	3	0.426	0.0
X	42	521.0	2	0.385	0.0
	48	522.0	2	0.352	1.0
	54	522.0	2	0.325	0.0
	60	522.0	2	0.301	0.0
	66	522.0	2	0.281	0.0
	72	522.0	2	0.263	0.0
	78	522.0	2	0.248	0.0
	84	522.0	2	0.234	0.0
X	90	522.0	2	0.222	0.0

HORNER PLOT

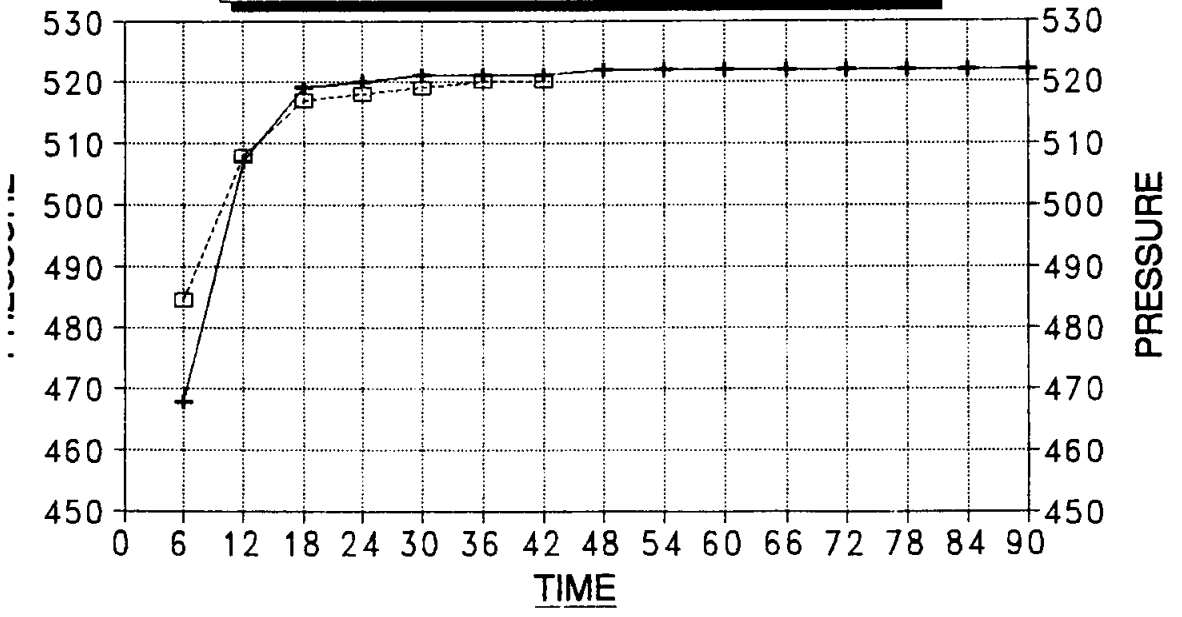
DST #1 / SHERWIN TRUST #3-10

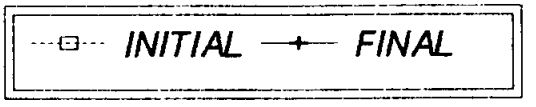




DELTA T DELTA P

DST #1 / SHERWIN TRUST #3-10





WELL NAME Sherwin Trust DST # 1 RECORDER # 13329

INIT. HYD. MUD. 2084 2107.2 FINAL HYD. MUD 2048 2071.1

INITIAL FLOW		INITIAL SHUTIN			FINAL FLOW		FINAL SHUTIN	
MINUTES 15		MINUTES 45			MINUTES 45		MINUTES 90	
INTERVAL 3		INTERVAL 3			INTERVAL 3		INTERVAL 3	
57	59.2	63	65.4	1	110	118.5	177	184.0
49	50.9	408	424.1	2	107	111.2	393	408.5
47	48.8	466	484.4	3	107	111.2	450	467.8
48	49.9	481	500.0	4	111	115.3	474	492.7
55	57.1	489	508.0	5	116	~~FR~~ 120.6	488	507.0
63	65.4	495	514.0	6	121	125.7	496	515.0
		498	517.0	7	126	131.0	500	519.0
		499	518.0	8	131	136.1	500	519.0
		499	(	9	137	142.4	501	520.0
				10	143	148.6	501	520.0
		499	518.0	11	149	154.8	502	521.0
		500	519.0	12	155	161.1	(	(
		501	520.0	13	159	165.2		
		501	)	14	164	170.5	)	)
		501		15	170	176.7		
		501	520.0	16	177	184.0	45) 502	521.0
				17			48) 503	522.0
				18			60) 503	(
				19			75) 503	)
				20				
				21			90) 503	522.0
				22				
				23				
				24				
				25				
				26				
				27				

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

Nº 4534

Well Name & No. Sherwin Trust #3-10 Test No. 1 Date 1-21-92

Company Ranken Energy Corporation Zone Tested Marmaton

Address 2325 S. W. 15th St. Edmond, OK. 73013 Elevation 2534' (KB)

Co. Rep./Geo. Doug Bellis Cont. Emphasis #8 Est. Ft. of Pay 4'

Location: Sec. 10 Twp. 18 S Rge. 26 W Co. Ness State KS.

No. of Copies Normal Distribution Sheet ____ Yes X No Turnkey ____ Yes X No YES Evaluation

Interval Tested 4277 - 4289 Drill Pipe Size 4½" XH

Anchor Length 12' Top Choke — 1" ____ Bottom Choke — ¾" ____

Top Packer Depth 4272 Hole Size — 7⅞" ____ Rubber Size — 6¾" ____

Bottom Packer Depth 4277 Wt. Pipe I.D. — 2.7 Ft. Run —

Total Depth 4289 Drill Collar — 2.25 Ft. Run —

Mud Wt. 9.2 lb/gal. Viscosity 40 Filtrate N/A

Tool Open @ 12:38 am Initial Blow Strong blow off bottom in 2 mins.

ISI: Bled off blow - surface return built to 2" blow.

Final Blow Fair to strong blow off bottom in 2 mins.

FSI: Bled off blow - surface return built to bottom in 5 mins.

Recovery — Total Feet 465' Feet of Gas in Pipe 3090' Above Fluid Flush Tool? No.

Rec. 93'	Feet Of	GWMCO	60	%gas	25	%oil	5	%water	10 %mud
Rec. 124'	Feet Of	GWCO	65	%gas	15	%oil	15	%water	5 %mud
Rec. 124'	Feet Of	GOCW	60	%gas	10	%oil	30	%water	— %mud
Rec. 94'	Feet Of	GWCO	65	%gas	25	%oil	10	%water	— %mud
Rec. 30'	Feet Of	Water	—	%gas	—	%oil	100	%water	— %mud

BHT 119° °F Gravity ____ °API @ ____ °F Corrected Gravity est. @38 °API

RW .49 @ 50° °F Chlorides 20,000 ppm Recovery Chlorides N/A ppm System

(A) Initial Hydrostatic Mud 2103 PSI Ak1 Recorder No. 13309 Range 4700

(B) First Initial Flow Pressure 41 PSI @ (depth) 4280 w/Clock No. 27566

(C) First Final Flow Pressure 62 PSI AK1 Recorder No. 13339 Range 4025

(D) Initial Shut-In Pressure 509 PSI @ (depth) 4284 w/Clock No. 7952

(E) Second Initial Flow Pressure 104 PSI AK1 Recorder No. — Range —

(F) Second Final Flow Pressure 166 PSI @ (depth) — w/Clock No. —

(G) Final Shut-In Pressure 509 PSI Initial Opening 15 Test ____

(H) Final Hydrostatic Mud 2053 PSI Initial Shut-In 45 Jars ____

Final Flow 45 Safety Joint ____

Final Shut-In 90 Straddle ____

Circ. Sub X N/C

Sampler ____

Extra Packer ____

Other Evaluation X

TOTAL PRICE $ ____

Approved By Doug Bellis

Our Representative Rod Steinbrink

Printcraft Printers - Hays, KS

TRILOBITE TESTING COMPANY, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name SHERWIN TRUST #3-10 Test No. 2 Date 1/22/92
Company RANKEN ENERGY CORP Zone Tested MISSISSIPPI
Address 2325 S.W. 15th EDMOND OK 73013 Elevation 2534 K.B.
Co. Rep./Geo. MR DOUG BELLIS Cont. EMPHASIS RIG #8 Est. Ft. of Pay 4
Location: Sec. 10 Twp. 18S Rge. 26W Co. NESS State KS

Interval Tested 4404-4494 Drill Pipe Size 4.5 XH
Anchor Length 90 Wt. Pipe I.D. - 2.7 Ft. Run
Top Packer Depth 4399 Drill Collar — 2.25 Ft. Run
Bottom Packer Depth 4404
Total Depth 4494

Mud Wt. 9 lb / gal. Viscosity 49 Filtrate N/A

Tool Open @ 4:00 AM Initial Blow SURFACE BLOW SLOWLY BUILT TO 10"
ISI:BLED OFF BLOW-NO RETURN
Final Blow SURFACE RETURN SLOWLY BUILT OFF BOTTOM IN 35
MINUTES

Recovery — Total Feet 206 Flush Tool? NO

Rec. 60 Feet of GAS IN PIPE
Rec. 5 Feet of CLEAN OIL
Rec. 15 Feet of SLTLY GSY MUD CUT OIL-5%GAS/55%OIL/40%MUD
Rec. 62 Feet of SLTLY GSY OIL CUT MUD-10%GAS/10%OIL/80%MUD
Rec. 124 Feet of GSY OIL CUT MUD-40%GAS/10%OIL/50%MUD

BHT 119 °F Gravity °API @ °F Corrected Gravity 38 °API

RW @ °F Chlorides ppm Recovery Chlorides N/A ppm System

(A) Initial Hydrostatic Mud	2219.4 PSI	AK1 Recorder No.	13309	Range	4700
(B) First Initial Flow Pressure	91.5 PSI	@ (depth)	4469	w/Clock No.	27566
(C) First Final Flow Pressure	88.3 PSI	AK1 Recorder No.	13339	Range	4025
(D) Initial Shut-In Pressure	1163.6 PSI	@ (depth	4489	w/Clock No.	7452
(E) Second Initial Flow Pressure	112.3 PSI	AK1 Recorder No.		Range	
(F) Second Final Flow Pressure	141.4 PSI	@ (depth)		w/Clock No.	
(G) Final Shut-In Pressure	1159.6 PSI	Initial Opening	30	Final Flow	60
(H) Final Hydrostatic Mud	2161.3 PSI	Initial Shut-In	60	Final Shut-In	120

Our Representative ROD STEINBRINK TOTAL PRICE $ 600

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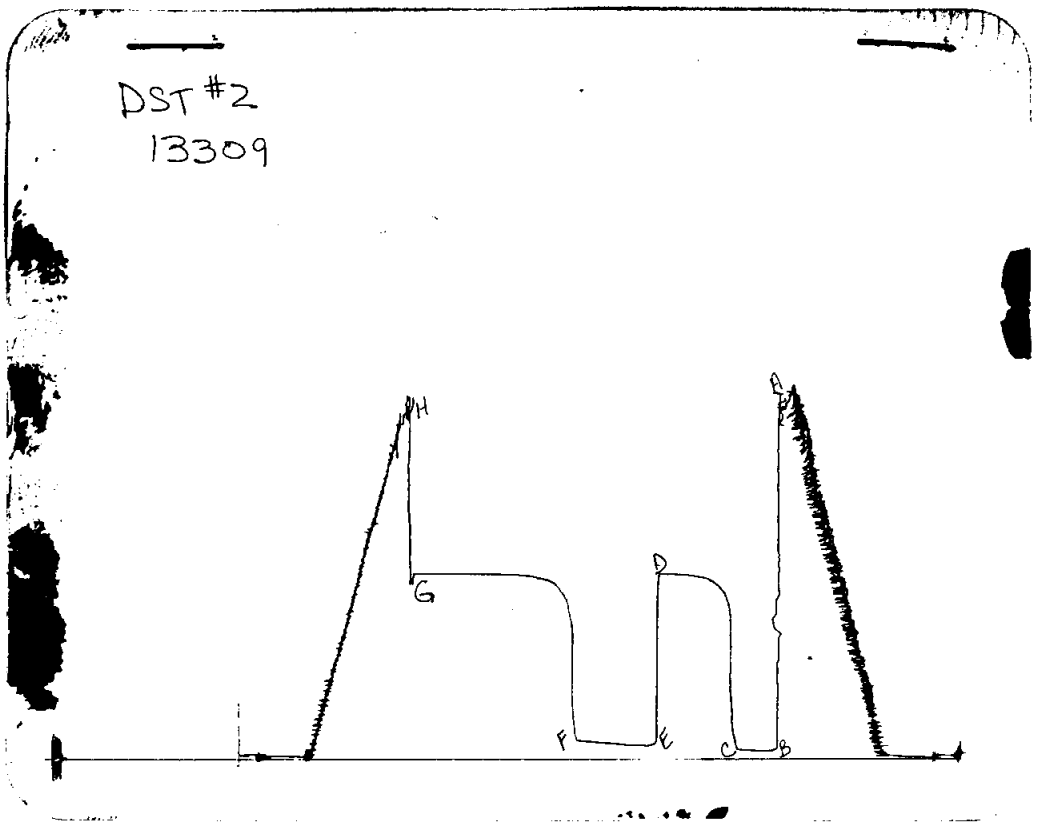

This is an actual photograph of recorder chart

POINT	PRESSURE	
	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2183	2219.4
(B) FIRST INITIAL FLOW PRESSURE	83	91.5
(C) FIRST FINAL FLOW PRESSURE	104	88.3
(D) INITIAL CLOSED-IN PRESSURE	1150	1163.6
(E) SECOND INITIAL FLOW PRESSURE	104	112.3
(F) SECOND FINAL FLOW PRESSURE	135	141.4
(G) FINAL CLOSED-IN PRESSURE	1160	1159.6
(H) FINAL HYDROSTATIC MUD	2123	2161.3

COMPUTER EVALUATION BY TRILOBITE TESTING
RANKEN ENERGY CORP
REPORT FOR DST#2 FOR THE SHERWIN TRUST #3-10
10-18S-26W NESS KANSAS

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TEST PARAMETERS

ELEVATION:	2534 KB	EST. PAY:	4 FT
DATUM:	-1956	ZONE TESTED:	MISSISSIPPI
TEST INTERVAL:	4404-4494		
		TIME INTERVALS:	30-60-60-120
RECORDER DEPTH:	4489	VISCOSITY:	7.663333 CP
BOTTOM HOLE TEMP:	119	HOLE SIZE:	7.875 IN

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CALCULATIONS

CUBIC FEET OF GAS IN PIPE: 4.790363

TOTAL FEET OF RECOVERY: 206
BARRELS IN DRILL PIPE: 2.92932
GAS OIL RATIO: 1.635316 CU.FT./BBL
BUBBLE POINT PRESSURE: ; .1036464
TOTAL BARRELS OF RECOVERY: 2.92932
UNCORR. INIT. PROD.: 46.86912 BBL/DAY
API GRAVITY: 38
FLUID GRADIENT: .362
CORRECTED PIPE FILLUP: 390.6077
CORR. BARRELS OF RECOVERY: 5.5458 BBL
INITIAL PRODUCTION CORRECTED TO FINAL FLOW PRESSURE: 88.73281 BBL/DAY
INITIAL PRODUCTION CORRECTED TO PSEUDO STEADY FLOW STATE
30.91139

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INITIAL SLOPE 57.53 PSI/CYCLE
INITIAL P* 1174 PSI

FINAL SLOPE 15.32 PSI/CYCLE
FINAL P* 1163 PSI

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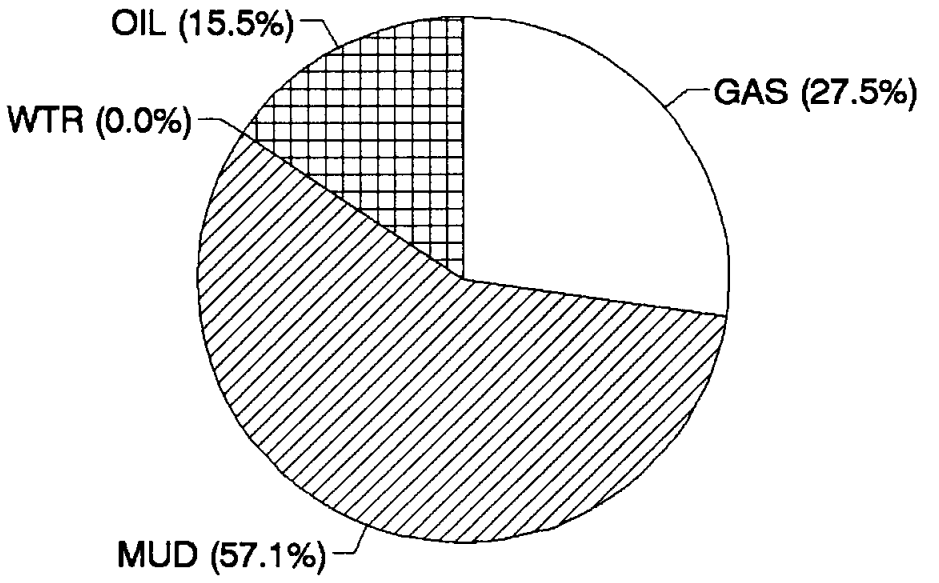
TRANSMISSIBILITY	941.7724	(MD.-FT./CP.)
PERMEABILITY	1804.279	(MD.)
INDICATED FLOW CAPACITY	7217.115	(MD.FT)
PRODUCTIVITY INDEX	1.064203	(BARRELS/DAY/PSI)
DAMAGE RATIO	12.20319	
RADIUS OF INVESTIGATION	402.9703	(FT.)
THEORETICAL POTENTIAL FROM FINAL FLOW PRESSURE	1082.823	BBL/DAY
THEORITICAL POTENTIAL FROM PSEUDO STEADY FLOW STATE	377.2174	BBL/DAY
POTENTIOMETRIC SURFACE	741.9971	(FT.)
DRAWDOWN FACTOR	.9369671	(%)

CALCULATED RECOVERY ANALYSIS DRILL PIPE

DST # 2 TICKET # 4536

SAMPLE #	TOTAL FEET	GAS %	GAS FEET	OIL %	OIL FEET	WATER %	WATER FEET	MUD %	MUD FEET
1	5	0	0	100	5	0	0	0	0
2	15	5	0.75	55	8.25	0	0	40	6
3	62	10	6.2	10	6.2	0	0	80	49.6
4	124	40	49.6	10	12.4	0	0	50	62
5			0		0		0	0	0
TOTAL	206	27.5	56.55	15.4612	31.85	0	0	57.0874	117.6

			HRS OPEN	BBL/DAY
BBL OIL=	0.452907	*	1.5	7.24651
BBL WATER	0	*		0
BBL MUD=	1.672272			
BBL GAS	0.804141			



INITIAL FLOW

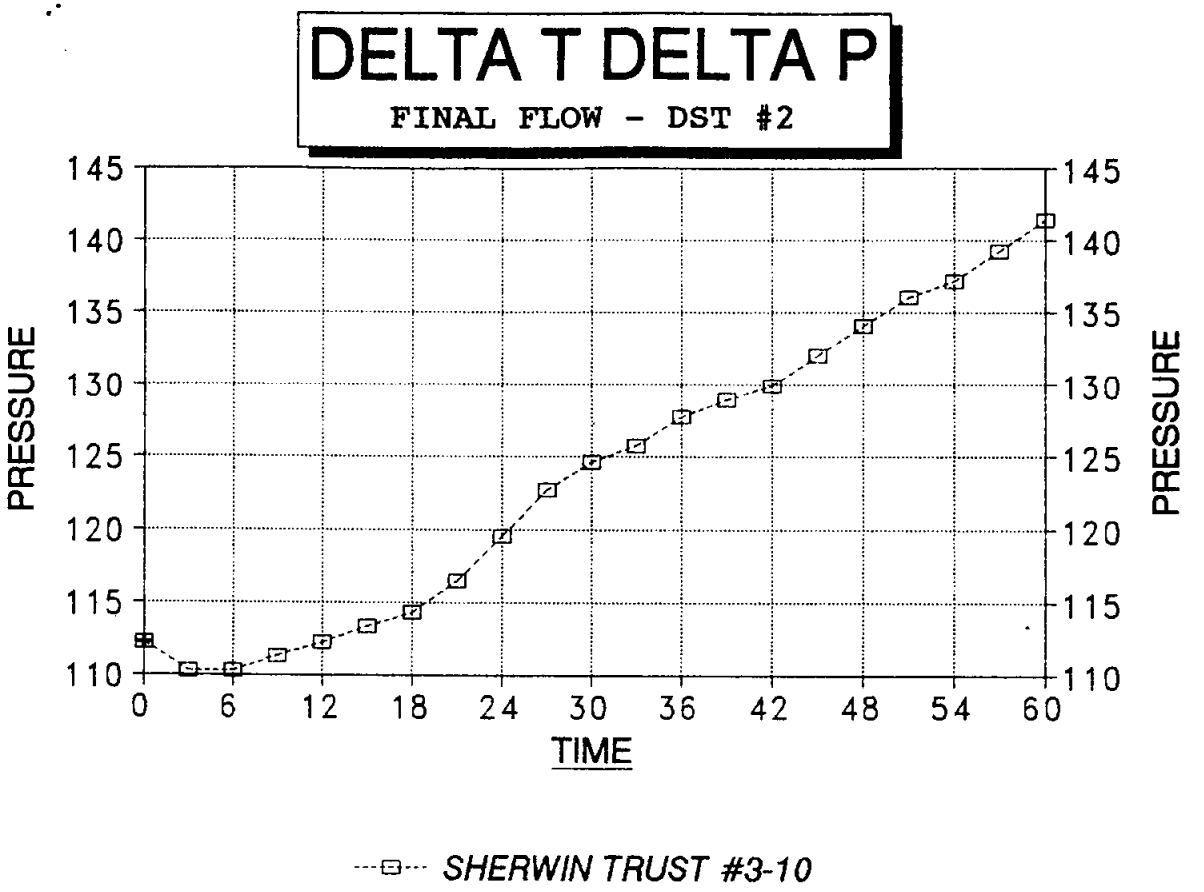
RECORDER # 13339
DST #2

DT(MIN)	PRESSURE	<> PRESSURE
0	91.5	91.5
3	83.2	-8.300003
6	81.1	-2.099999
9	81.1	0
12	81.1	0
15	81.1	0
18	83.2	2.099999
21	85.2	2
24	86.2	1
27	87.3	1.100006
30	88.3	1

FINAL FLOW

RECORDER # 13339
DST #2

DT(MIN)	PRESSURE	<> PRESSURE
0	112.3	112.3
3	110.2	-2.100006
6	110.2	0
9	111.3	1.100006
12	112.3	1
15	113.3	1
18	114.3	1
21	116.4	2.099999
24	119.5	3.099999
27	122.7	3.199997
30	124.7	2
33	125.7	1
36	127.8	2.100006
39	128.9	1.099991
42	129.9	1
45	132	2.100006
48	134.1	2.100006
51	136.1	2
54	137.2	1.099991
57	139.3	2.100006
60	141.4	2.099991



INITIAL PRODUCTION CORRECTED TO PSEUDO STEADY FLOW STATE 30.91139 BBL/DAY

SHERWIN TRUST DST #2
INITIAL SHUTIN

30 INITIAL FLOW TIME

Slope -57.53 psi/cycle
P * 1,174 psi

	TIME(MIN)	Pws (psi)	Horn T	Log Horn T	<> PRESSURE
	6	941.8	6	0.778	941.8
	12	1095.3	4	0.544	153.5
	18	1130.5	3	0.426	35.2
	24	1146.5	2	0.352	16.0
	30	1153.6	2	0.301	7.1
	36	1156.6	2	0.263	3.0
	42	1159.6	2	0.234	3.0
X	48	1161.6	2	0.211	2.0
	54	1162.6	2	0.192	1.0
X	60	1163.6	2	0.176	1.0

SHERWIN TRUST DST #2
FINAL SHUTIN

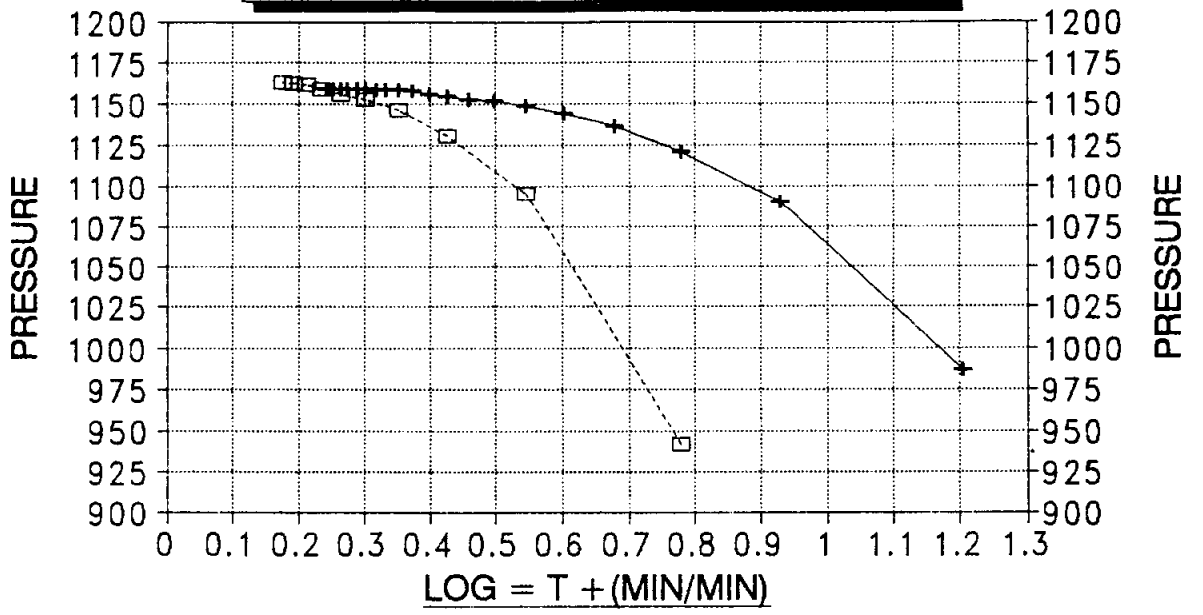
90 TOTAL FLOW TIME

Slope -15.32 psi/cycle
P * 1,163 psi

	TIME(MIN)	Pws (psi)	Horn T	Log Horn T	<> PRESSURE
	6	986.9	16	1.204	986.9
	12	1090.3	9	0.929	103.4
	18	1121.4	6	0.778	31.1
	24	1136.5	5	0.677	15.1
	30	1144.5	4	0.602	8.0
	36	1149.6	4	0.544	5.1
	42	1152.6	3	0.497	3.0
	48	1153.6	3	0.459	1.0
	54	1154.6	3	0.426	1.0
	60	1156.6	3	0.398	2.0
X	66	1157.6	2	0.374	1.0
	72	1158.6	2	0.352	1.0
	78	1158.6	2	0.333	0.0
	84	1158.6	2	0.316	0.0
	90	1159.6	2	0.301	1.0
	96	1159.6	2	0.287	0.0
	102	1159.6	2	0.275	0.0
	108	1159.6	2	0.263	0.0
	114	1159.6	2	0.253	0.0
X	120	1159.6	2	0.243	0.0

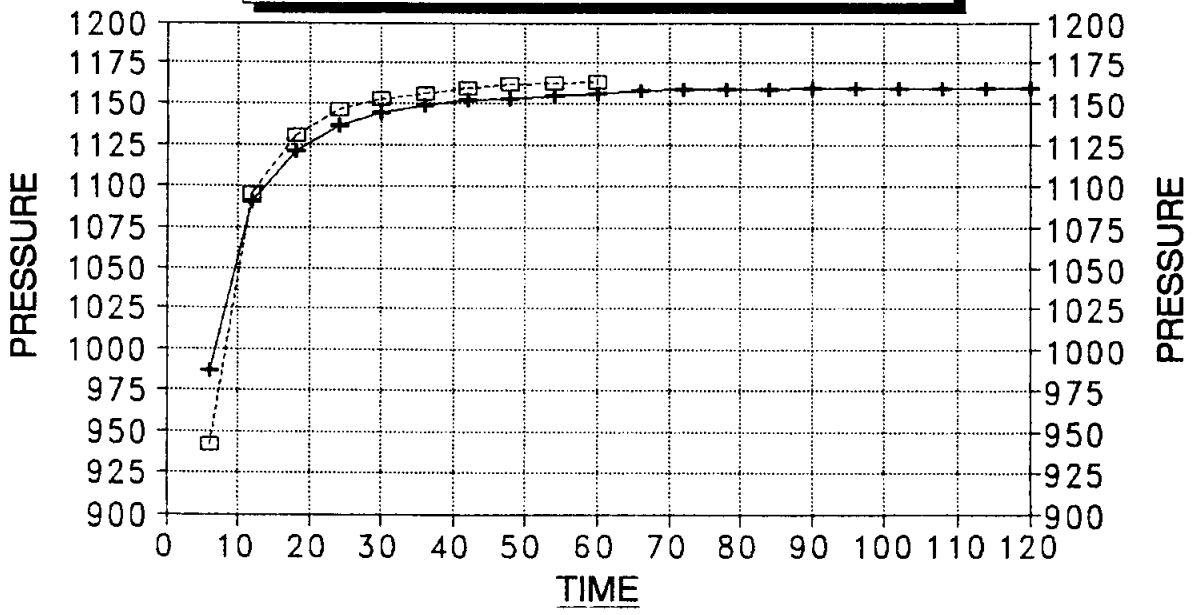
HORNER PLOT

SHERWIN TRUST #3-10 / DST #2



DELTA T DELTA P

SHERWIN TRUST #3-10 / DST #2



WELL NAME Sherwin Trust #3-10 DST # 2 RECORDER # 13339

INIT. HYD. MUD. 2196 2219.4 FINAL HYD. MUD 2138 2161.3

INITIAL FLOW MINUTES 30 INTERVAL 3		INITIAL SHUTIN MINUTES 60 INTERVAL 3			FINAL FLOW MINUTES 60 INTERVAL 3		FINAL SHUTIN MINUTES 120 INTERVAL 6	
88	91.5	85	88.3	1	108	112.3	136	141.4
80	83.2	290	301.5	2	106	110.2	967	986.89
78	81.1	922	941.8	3	106	110.2	1070	1090.3
	(	1038	1058.2	4	107	111.3	1101	1121.4
		1075	1095.3	5	108	112.3	1116	1136.5
78	81.1	1096	1116.4	6	109	113.3	1124	1144.5
80	83.2	1110	1130.5	7	110	114.3	1129	1149.6
82	85.2	1120	1140.5	8	112	116.4	1132	1152.6
83	86.2	1126	1146.5	9	115	119.5	1133	1153.6
84	87.3	1130	1150.6	10	118	122.7	1134	1154.6
85	88.3	1133	1153.6	11	120	124.7	1136	1156.6
		1135	1155.6	12	121	125.7	1137	1157.6
		1136	1156.6	13	123	127.8	1138	1158.6
		1138	1158.6	14	124	128.9	1138	1158.6
		1139	1159.6	15	125	129.9	1138	1158.6
		1140	1160.6	16	127	132.0	1139	1159.6
		1141	1161.6	17	129	134.1	1139	
		1142	1162.6	18	131	136.1	1139	
		1142	1162.6	19	132	137.2	1139	
		1142	1162.6	20	134	139.3	1139	
		1143	1163.6	21	136	141.4	1139	1159.6
				22				
				23				
				24				
				25				
				26				
				27				

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 4535

Well Name & No. Sherwin Trust #3-10 Test No. 2 Date 1-22-92

Company Ranken Energy Corporation Zone Tested Mississippian

Address 2325 S. W. 15th St. Edmond, OK. 73013 Elevation 2534 (KB)

Co. Rep./Geo. Doug Bellis Cont. Emphasis #8 Est. Ft. of Pay 4'

Location: Sec. 10 Twp. 18 S Rge. 26 W Co. Ness State KS.

No. of Copies Normal Distribution Sheet ____ Yes X No Turnkey ____ Yes X No YES Evaluation

Interval Tested 4404 - 4494 Drill Pipe Size 4½" XH

Anchor Length 90' Top Choke — 1" ____ Bottom Choke — ¾" ____

Top Packer Depth 4399 Hole Size — 7⅞" ____ Rubber Size — 6¾" ____

Bottom Packer Depth 4404 Wt. Pipe I.D. — 2.7 Ft. Run —

Total Depth 4494 Drill Collar — 2.25 Ft. Run —

Mud Wt. 9.0 lb/gal. Viscosity 49 Filtrate N/A

Tool Open @ 4:00 am Initial Blow Surface blow slowly built to 10".

ISI: Bled off blow - No return.

Final Blow Surface return slowly built off bottom in 35 mins.

Recovery — Total Feet ~~210~~'206' Feet of Gas in Pipe 60' Above Fluid Flush Tool? No

Rec. 5'	Feet Of	CO		%gas		%oil		%water	%mud
Rec. 15'	Feet Of	SGMCO	5	%gas	55	%oil	—	%water	40 %mud
Rec. 62'	Feet Of	SGOCM	10	%gas	10	%oil	—	%water	80 %mud
Rec. 124'	Feet Of	GOCM	40	%gas	10	%oil	—	%water	50 %mud
Rec.	Feet Of			%gas		%oil		%water	%mud

BHT 119° °F Gravity ____ °API @ ____ °F Corrected Gravity est. @ 38 °API

RW ____ @ ____ °F Chlorides ____ ppm Recovery Chlorides N/A ppm System

(A) Initial Hydrostatic Mud 2183 PSI AK1 Recorder No. 13309 Range 4700

(B) First Initial Flow Pressure 83 PSI @ (depth) 4469 w/Clock No. 27566

(C) First Final Flow Pressure 104 PSI AK1 Recorder No. 13339 Range 4025

(D) Initial Shut-In Pressure 1150 PSI @ (depth) 4489 w/Clock No. 7452

(E) Second Initial Flow Pressure 104 PSI AK1 Recorder No. — Range —

(F) Second Final Flow Pressure 135 PSI @ (depth) — w/Clock No. —

(G) Final Shut-In Pressure 1160 PSI Initial Opening 30 Test ____

(H) Final Hydrostatic Mud 2123 PSI Initial Shut-In 60 Jars ____

Final Flow 60 Safety Joint ____

Final Shut-In 120 Straddle ____

Circ. Sub X N/C

Sampler ____

Extra Packer ____

Other X Evaluation

TOTAL PRICE $ ____

Approved By Doug Bellis

Our Representative Rod Steinbrink

Printcraft Printers - Hays, KS

T C R

:TRILOBITE TESTING #1 (JAN 24 '92 10:07)

DATE	START TIME	REMOTE TERMINAL IDENTIFICATION	MODE	TIME	RESULTS	TOTAL PAGES	DEPT. CODE	FILE NO.
JAN 24	09:23	14053402365	G2T	20'46"	E	06	4/10 ∞	
	09:36		G3ST	04'08"	OK	09		

TX:003700 RX:002243