

KCC

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

KCC

DEC 22 1993

Drill-Stem Test Data

AUG 16 1990

Computer Inventoried

Well Name & No.	DICKEY "E" #1	Test No.	1	Date	2/3/90
Company	PETROLEUM INC	Zone Tested	LANSING "E & F"		
Address	900 EPIC CENTER/301 MAIN WICHITA KS		Elevation	2816 KB	
Co. Rep./Geo.	MR TYLER SANDERS	Cont.	ABERCROMBIE RIG #6	Est. Ft. of Pay	6
Location: Sec.	30	Twp.	16S	Rge.	29W
		Co.	LANE	State	KANSAS

Interval Tested	4000-4058	Drill Pipe Size	4.5" XH			
Anchor Length	58	Top Choke — 1"	RELEASED			
Top Packer Depth	3994	Bottom Choke — 3/4"				
Bottom Packer Depth	3999	Hole Size — 7 7/8"	JUN 24 1991			
Total Depth	4058	Rubber Size — 6 3/4"				
Wt. Pipe I.D. — 2.7		Ft. Run	629 FROM CONFIDENTIAL			
Drill Collar — 2.25		Ft. Run	0			
Mud Wt.	9.2	lb./gal.	Viscosity	44	Filtrate	8
Tool Open @	8:24	Initial Blow	WEAK BLOW BUILDING TO 1" AT SHUTIN-NO BLOW BACK			
Final Blow	WEAK BLOW BUILDING TO 1" AT SHUTIN					

Recovery — Total Feet	35	Flush Tool?	NO			
Rec.	35	Feet of	OIL CUT MUD-85%MUD/15%OIL			
Rec.	0	Feet of				
Rec.	0	Feet of				
Rec.	0	Feet of				
Rec.	0	Feet of				
BHT	112 °F	Gravity	°API @ 0 °F	Corrected Gravity	0 °API	
RW	@	°F Chlorides	ppm Recovery	Chlorides	1000 ppm System	
(A) Initial Hydrostatic Mud	1954.6	PSI	AK1 Recorder No.	13615	Range	4575
(B) First Initial Flow Pressure	62.3	PSI	@ (depth)	4003	w/Clock No.	14389
(C) First Final Flow Pressure	51.8	PSI	AK1 Recorder No.	10248	Range	4400
(D) Initial Shut-In Pressure	466.9	PSI	@ (depth)	4055	w/Clock No.	27567
(E) Second Initial Flow Pressure	62.3	PSI	Initial Opening	20		
(F) Second Final Flow Pressure	51.8	PSI	Initial Shut-In	30		
(G) Final Shut-In Pressure	402.8	PSI	Final Flow	30		
(H) Final Hydrostatic Mud	1899.7	PSI	Final Shut-In	30		

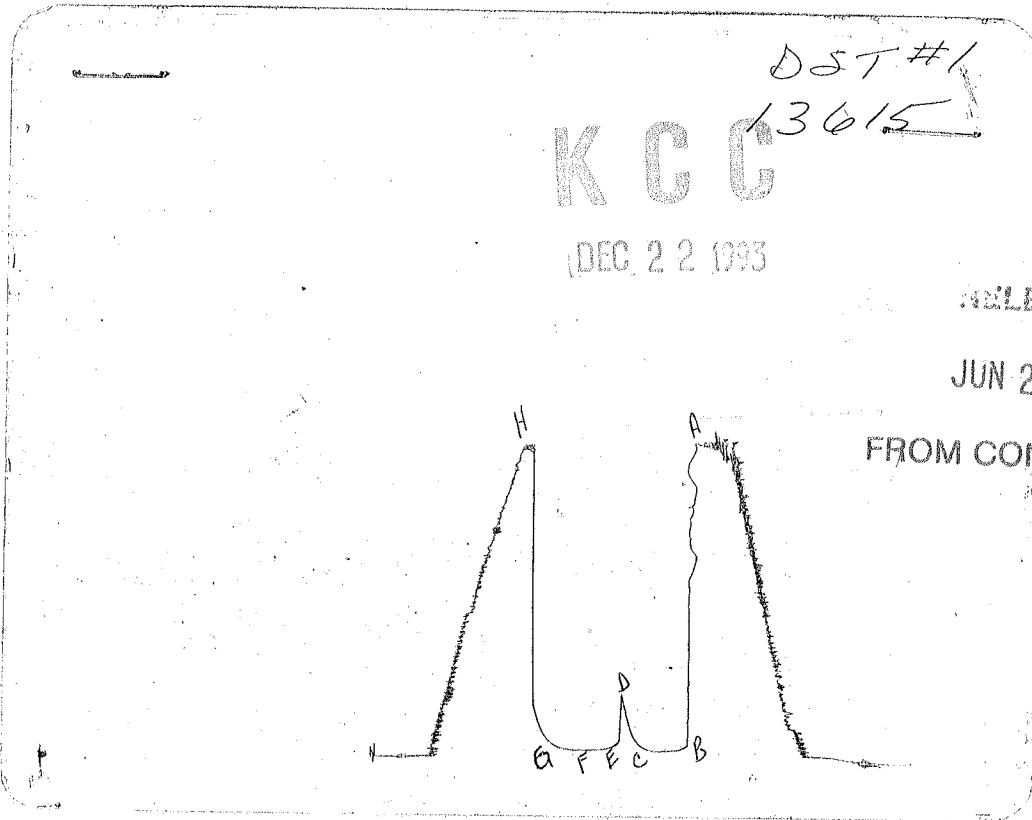
MR ROGER SELLS

400

Our Representative _____

TOTAL PRICE \$ _____

DST# 1 / RECORDER# 13615



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud.....	1947	1954.6	PSI
(B) First Initial Flow Pressure.....	56	62.3	PSI
(C) First Final Flow Pressure.....	45	51.8	PSI
(D) Initial Closed-In Pressure.....	461	466.9	PSI
(E) Second Initial Flow Pressure.....	56	62.3	PSI
(F) Second Final Flow Pressure.....	45	51.8	PSI
(G) Final Closed-In Pressure.....	394	402.8	PSI
(H) Final Hydrostatic Mud.....	1892	1899.7	PSI

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

TEST TICKET

N^o 2446

Well Name & No. Dickey "F" #1 Test No. 1 Date 2-3-90
Company Pet. Inc. Zone Tested LANSING E & F
Address 900 Epic Center 301 N. Main Wichita, Ks. Elevation 2816 KB'
Co. Rep./Geo. Tyler Sanders cont. Abercrombie Rig #8 Est. Ft. of Pay 6'
Location: Sec. 30 Twp. 16 Rge. 29 Co. LANE State Ks.
No. of Copies Normal Distribution Sheet _____ Yes X No _____ Turnkey _____ Yes _____ No _____

Interval Tested 4000-4058 Drill Pipe Size 4 1/2 X 14
Anchor Length 58' Top Choke — 1" _____ Bottom Choke — 3/4" _____
Top Packer Depth 3994 Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
Bottom Packer Depth 3999 Wt. Pipe I.D. — 2.7 Ft. Run 1629'
Total Depth 4058 Drill Collar — 2.25 Ft. Run _____
Mud Wt. 9.2 lb/gal. Viscosity 44 Filtrate 8
Tool Open @ 8:24 Initial Blow weak blow building to 1" @ shut-in
no blow back @ shut-in
Final Blow weak blow building to 1" @ shut-in

Recovery — Total Feet 35' Flush Tool? NO
Rec. 35' Feet of Oil Cut Mud 85% mud 15% oil
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 112 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 1,000 ppm System
(A) Initial Hydrostatic Mud 1947 PSI Ak1 Recorder No. 13615 Range 4575
(B) First Initial Flow Pressure 56 PSI @ (depth) 4003 w/Clock No. 14389
(C) First Final Flow Pressure 45 PSI AK1 Recorder No. 10248 Range 4400
(D) Initial Shut-In Pressure 461 PSI @ (depth) 4055 w/Clock No. 27567
(E) Second Initial Flow Pressure 56 PSI AK1 Recorder No. _____ Range _____
(F) Second Final Flow Pressure 45 PSI @ (depth) _____ w/Clock No. _____
(G) Final Shut-In Pressure 394 PSI Initial Opening 20 Test _____
(H) Final Hydrostatic Mud 1892 PSI Initial Shut-In 30 Jars X
Final Flow 30 Safety Joint X
Final Shut-In 30 Straddle _____
Circ. Sub X
Sampler _____
Extra Packer _____
Other _____

Approved By Tyler H. Sanders
Our Representative Roger F. Sells

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

K L U
DEC 22 1993

Drill-Stem Test Data

Well Name & No.	DICKEY "F" #1	Test No.	2	Date	2/4/90
Company	PETROLEUM INC	Zone Tested	ALTAMONT		
Address	900 EPIC CENTER/301 MAIN WICHITA KS		Elevation	2816 KB	
Co. Rep./Geo.	MR TYLER SANDERS	Cont.	ABERCROMBIE RIG #8	Est. Ft. of Pay	5
Location: Sec.	30	Twp.	16S	Rge.	29W
		Co.	LANE	State	KANSAS

Interval Tested	4256-4374	Drill Pipe Size	4.5" XH
Anchor Length	108	Top Choke — 1"	
Top Packer Depth	4250	Bottom Choke — 3/4"	
Bottom Packer Depth	4255	Hole Size — 7 7/8"	
Total Depth	4374	Rubber Size — 6 3/4"	
Wt. Pipe I.D. — 2.7		Ft. Run	629
Drill Collar — 2.25		Ft. Run	0
Mud Wt.	9.4	Viscosity	50
	lb./gal.	Filtrate	10.4

Tool Open @ 2:59 PM Initial Blow STRONG BLOW OFF BOTTOM OF BUCKET IN 2 MIN-
 ISI: OPENED 2" VALVE & BLED OFF FOR 5 MIN-BLOW BACK TO BOTTOM BY 2nd OPEN
 Final Blow STRONG-OFF BOTTOM OF BUCKET IMMEDIATELY-OPENED 2"
 VALVE AT FSI & BLED FOR 5 MIN-CLOSED & GOT BLOW BACK IMMEDIATELY

Recovery — Total Feet	1260	Flush Tool?	NO
Rec.	1320	Feet of	GAS IN PIPE
Rec.	60	Feet of	GAS & OIL CUT MUD-80%MUD/10%OIL/10%GAS
Rec.	120	Feet of	MUD CUT OIL-20%MUD/50%OIL/30%GAS
Rec.	540	Feet of	SLIGHTLY MUD CUT OIL-10%MUD/90%OIL
Rec.	540	Feet of	CLEAN OIL

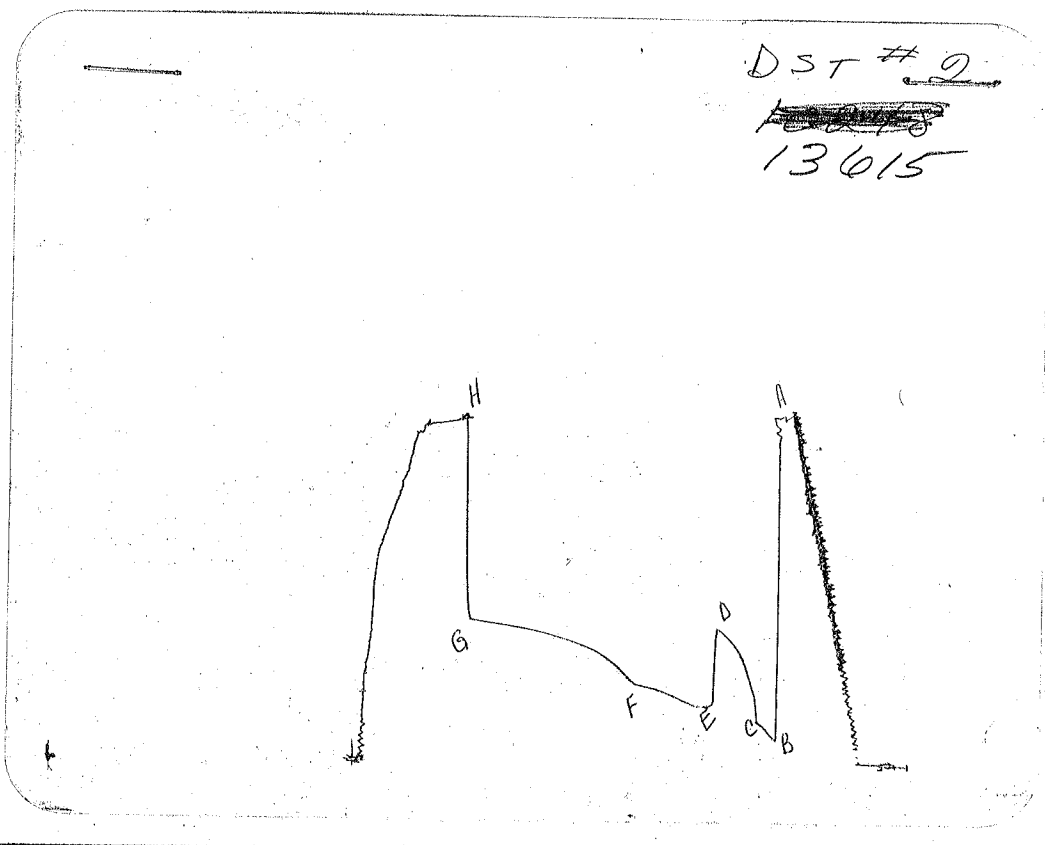
BHT 116 °F Gravity 38 °API @ 60 °F Corrected Gravity 26 °API
 RW @ °F Chlorides ppm Recovery Chlorides 1000 ppm System

(A) Initial Hydrostatic Mud	2241.6	PSI	AK1 Recorder No.	13615	Range	4575
(B) First Initial Flow Pressure	159.9	PSI	@(depth)	4248	w/Clock No.	14389
(C) First Final Flow Pressure	334.4	PSI	AK1 Recorder No.	10248	Range	4400
(D) Initial Shut-In Pressure	885.5	PSI	@(depth)	4371	w/Clock No.	27567
(E) Second Initial Flow Pressure	373.8	PSI	Initial Opening	15		
(F) Second Final Flow Pressure	535.5	PSI	Initial Shut-In	30		
(G) Final Shut-In Pressure	910.6	PSI	Final Flow	60		
(H) Final Hydrostatic Mud	2122.8	PSI	Final Shut-In	120		

MR ROGER SELLS

Our Representative _____ TOTAL PRICE \$ 420.00

DST# 2 RECORDER# 13615



This is an actual photograph of recorder chart.

PRESSURE

POINT	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud.....	2202	2241.6	PSI
(B) First Initial Flow Pressure.....	168	159.9	PSI
(C) First Final Flow Pressure.....	337	334.4	PSI
(D) Initial Closed-in Pressure.....	895	885.5	PSI
(E) Second Initial Flow Pressure.....	382	373.8	PSI
(F) Second Final Flow Pressure.....	551	535.5	PSI
(G) Final Closed-in Pressure.....	940	910.6	PSI
(H) Final Hydrostatic Mud.....	2113	2122.8	PSI

COMPUTER EVALUATION BY TRILOBITE TESTING
 PETROLEUM INC
 REPORT FOR DST#2 FOR THE DICKEY "F" #1
 30-165-29W LANE KANSAS

 TEST PARAMETERS

ELEVATION:	2816 KB	EST. PAY:	5 FT
DATUM:	-1556	ZONE TESTED:	ALTAMONT
TEST INTERVAL:	4256-4374		
RECORDER DEPTH:	4371	TIME INTERVALS:	15-30-60-120
BOTTOM HOLE TEMP:	116	VISCOSITY:	19.8386 CP
		MOLE SIZE:	7.875 IN

 CALCULATIONS

CUBIC FEET OF GAS IN PIPE:	105.388		
TOTAL FEET OF RECOVERY:	1260		
BARRELS IN DRILL PIPE:	8.97282		
BARRELS IN WEIGHT PIPE:	4.403		
GAS OIL RATIO:	7.878993 CU.FT./BBL		
BUBBLE POINT PRESSURE:	; .1272668		
TOTAL BARRELS OF RECOVERY:	13.37582	UNCORR. INIT. PROD.:	256.8158 BBL/DAY
API GRAVITY:	26	FLUID GRADIENT:	.389
CORRECTED PIPE FILLUP:	1376.607		
		CORR. BARRELS OF RECOVERY:	15.02534 BBL
INITIAL PRODUCTION CORRECTED TO FINAL FLOW PRESSURE:	288.4866 BBL/DAY		
INITIAL PRODUCTION CORRECTED TO PSEUDO STEADY FLOW STATE	112.3943		

INITIAL SHUT-IN VALUES:
 THEORETICAL STATIC PRESSURE 1050.984
 SLOPE 939.9348

FINAL SHUT-IN VALUES
 THEORETICAL STATIC PRESSURE 1055.575
 SLOPE 687.6849

TRANSMISSIBILITY	68.21135 (MD.-FT./CP.)
PERMEABILITY	270.6435 (MD.)
INDICATED FLOW CAPACITY	1353.218 (MD.FT)
PRODUCTIVITY INDEX	7.707883E-02 (BARRELS/DAY/PSI)
DAMAGE RATIO	.1383973
RADIUS OF INVESTIGATION	142.472 (FT.)
POTENTIOMETRIC SURFACE	892.8784 (FT.)
DRAWDOWN FACTOR	-.4368186 (%)

INITIAL FLOW

REORDER # 10248
DST #2

DT (MIN)	PRESSURE	<>	PRESSURE
0	159.9		159.9
3	184.6		24.70001
6	253.4		68.79999
9	288.2		34.80002
12	317.5		29.29999
15	334.4		16.89999

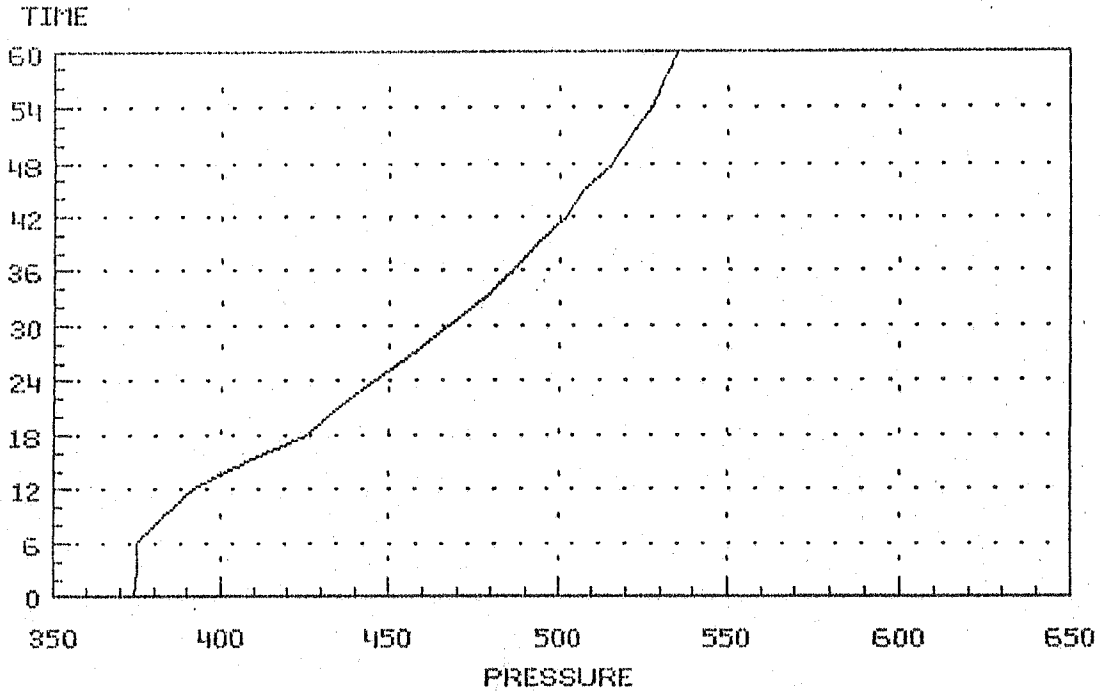
FINAL FLOW

REORDER # 10248
DST #2

DT (MIN)	PRESSURE	<>	PRESSURE
0	373.8		373.8
3	375		1.200012
6	375		0
9	382.8		7.799988
12	391.8		9
15	407.6		15.80002
18	425.6		18
21	434.6		9
24	445.9		11.29999
27	457.2		11.30002
30	467.5		10.29999
33	477.4		9.899994
36	486.4		9
39	493.2		6.800019
42	502.2		9
45	507.4		5.199982
48	515.5		8.100006
51	521.6		6.099976
54	527.6		6
57	531.1		3.5
60	535.5		4.400025

DELTA T DELTA P

DST #2 FINAL FLOW
RECORDER # 10248



INITIAL PRODUCTION CORRECTED TO PSEUDO STEADY FLOW STATE 112.3943 BBL/DAY

INITIAL SHUT-IN BUILDUP
DST #2

RECORDER # 10248
INITIAL FLOW TIME (MIN.): 15

MIN	LOG(T+MIN/MIN)	PRESSURE	<> PRESSURE
0	0	334.4	334.4
3	.778011	580	245.6
6	.5439701	623.3	43.299999
9	.425892	684.4	61.10004
12	.352119	725.6	41.199995
15	.3009757	767.7	42.10004
18	.263194	803.3	35.599998
21	.234041	835.5	32.20001
24	.2108154	853.3	17.799999
27	.191851	867.7	14.40003
30	.1760595	885.5	17.799999

FINAL SHUT-IN BUILDUP
DST #2

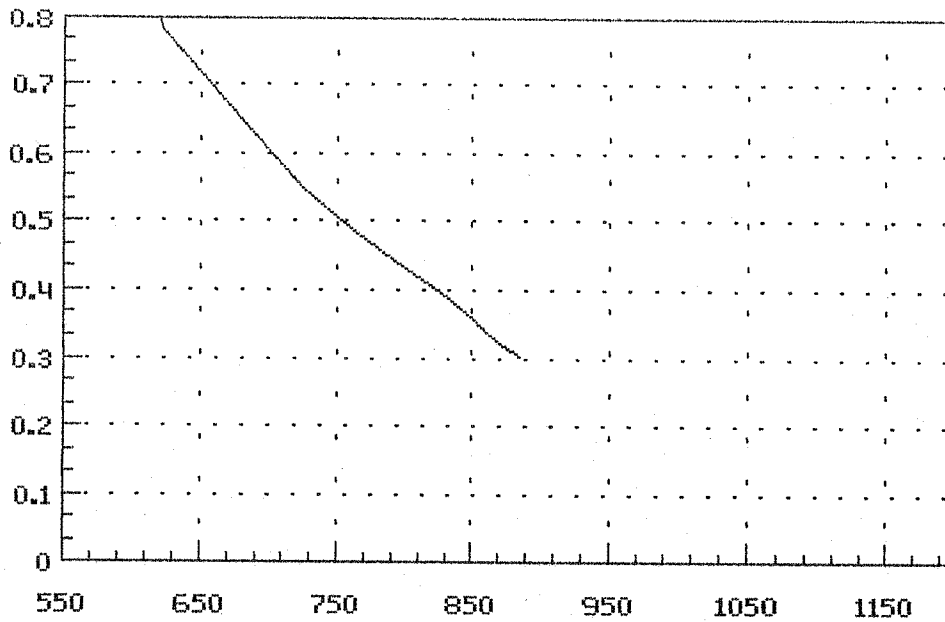
RECORDER # 10248
TOTAL FLOW TIME (MIN.): 75

MIN	LOG(T+MIN/MIN)	PRESSURE	<> PRESSURE
0	0	535.5	535.5
6	1.13013	601.1	65.599998
12	.8601831	646.6	45.5
18	.7130819	685.5	38.90003
24	.6153131	719.6	34.099998
30	.5439701	740	20.40003
36	.4889323	761.2	21.20001
42	.4448565	783.3	22.099998
48	.4085902	794.4	11.10004
54	.3781278	810.8	16.399996
60	.352119	822.2	11.40003
66	.3296158	834.5	12.299999
72	.309929	845.5	11
78	.2925441	855.5	10
84	.2770679	865.6	10.099998
90	.263194	872.2	6.600037
96	.2506797	881.1	8.8999963
102	.2393299	891.1	10
108	.2289861	897.7	6.600037
114	.2195174	904.4	6.700012
120	.2108154	910.6	6.1999951

HORNER PLOT

DST #2 INITIAL SHUTIN
RECORDER # 10248

LOG = T +(MIN/MIN)

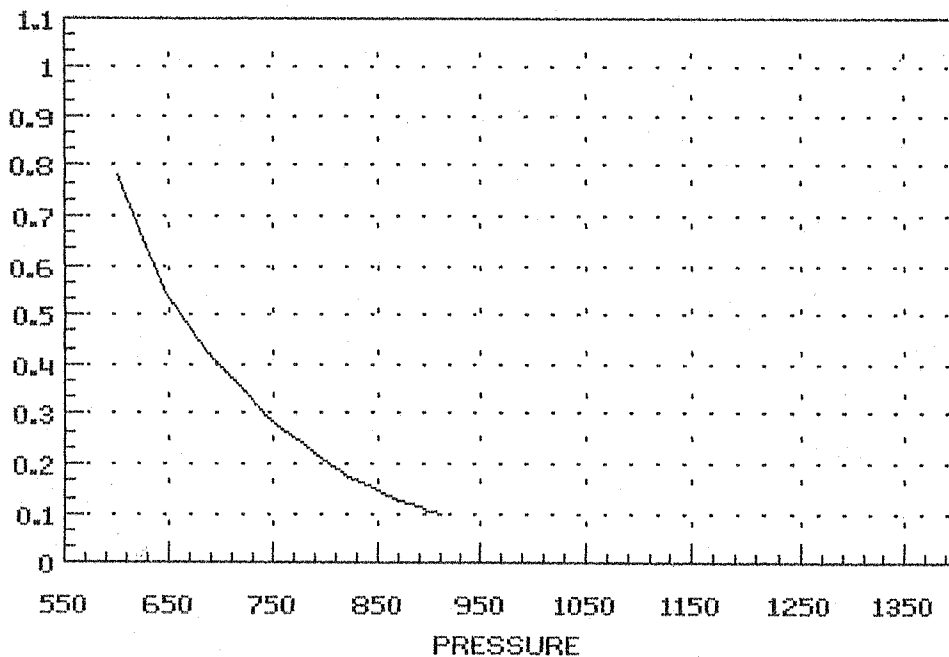


STATIC PRESSURE 1050.984 PRESSURE
SLOPE 939.9348
POINTS USED 6

HORNER PLOT

DST #2 FINAL SHUTIN
RECORDER # 10248

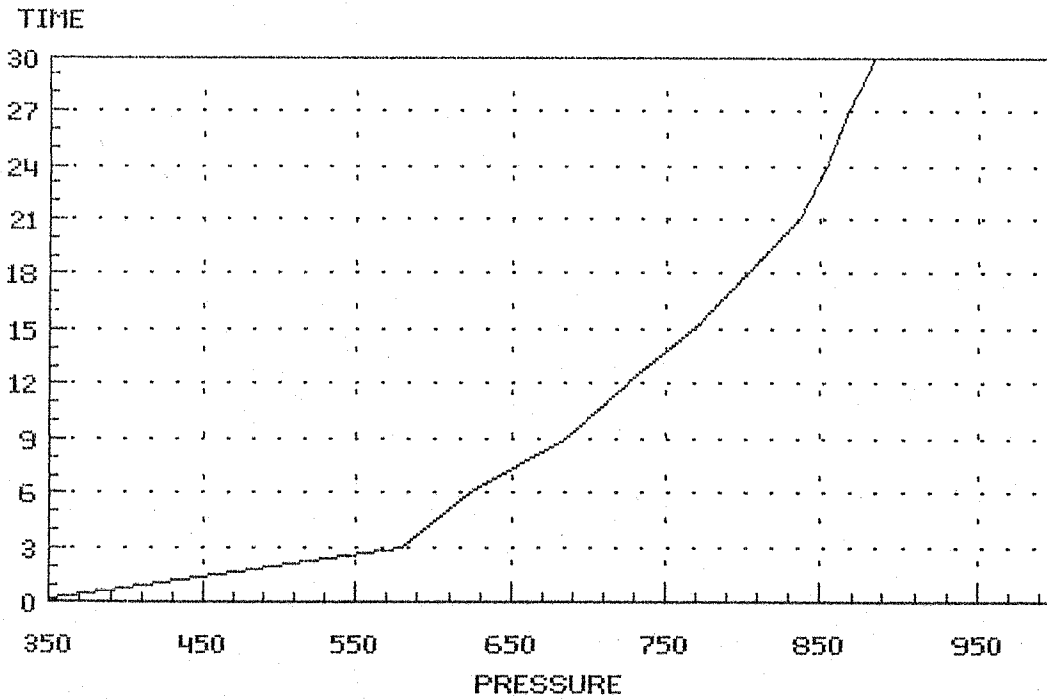
LOG = T +(MIN/MIN)



STATIC PRESSURE 1055.575
SLOPE 687.6849
POINTS USED 7

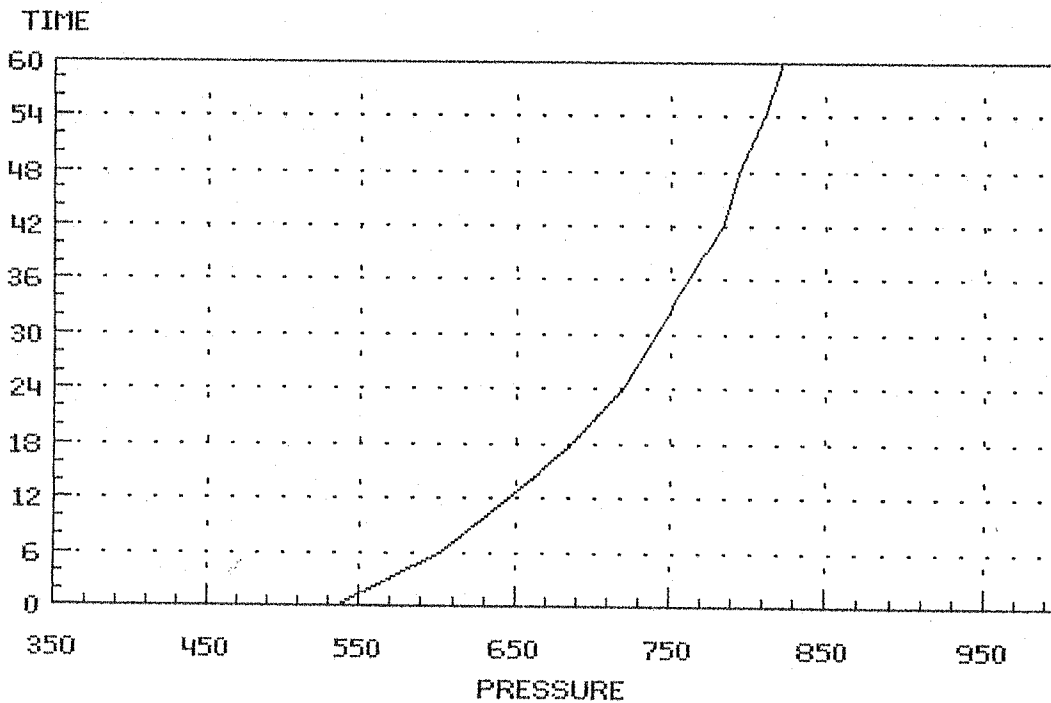
DELTA T DELTA P

DST #2 INITIAL SHUTIN
RECORDER # 10248



DELTA T DELTA P

DST #2 FINAL SHUTIN
RECORDER # 10248



TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

TEST TICKET

No 2447

Well Name & No. Dickey "F" #1 Test No. 2 Date 2-4-90
 Company Pet. Inc. Zone Tested Altament
 Address 900 Epic Center 301 N. Main Elevation 2816' KB
 Co. Rep. / Geo. Tyler Sanders Cont. Wichita, Ks. Abercrombie Est. Ft. of Pay 5'
 Location: Sec. 30 Twp. 16 Rge. 29 Co. Lane State Ks
 No. of Copies Normal Distribution Sheet Yes X No Turnkey Yes No

Interval Tested 4256 - 4374 Drill Pipe Size 4 1/2 XH
 Anchor Length 108 Top Choke — 1" Bottom Choke — 3/4"
 Top Packer Depth 4250 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Bottom Packer Depth 4255 Wt. Pipe I.D. — 2.7 Ft. Run 629'
 Total Depth 4374 Drill Collar — 2.25 Ft. Run
 Mud Wt. 9.4 lb/gal. Viscosity 50 Filtrate 10.4

at Shut-in Tool Open @ 2:59 PM Initial Blow Strong blow off bottom of bucket in 2 min. opened 2" valve & bled off for 5 min. blow back to bottom of bucket by 2nd opening
 Final Blow strong blow off bottom of bucket immediately - opened 2" valve @ shut and bled for 5 min - closed & got good blow back immediately

Recovery — Total Feet 1260 Total Feet Gas 1320 Flush Tool?
 Rec. 60 Feet of Gas & Oil cut mud 80% mud, 10% oil, 10% Gas
 Rec. 120 Feet of mud cut oil 20% mud, 50% oil, 30% gas
 Rec. 540 Feet of Slight mud cut oil 10% mud, 90% oil
 Rec. 540 Feet of Clean Oil
 Rec. Feet of

BHT 116 °F Gravity 38 °API @ 60 °F Corrected Gravity 26 °API
 RW @ °F Chlorides ppm Recovery Chlorides 1,000 ppm System

(A) Initial Hydrostatic Mud 2202 PSI AK1 Recorder No. 13615 Range 4575
 (B) First Initial Flow Pressure 168 PSI @ (depth) 4248 w/Clock No. 14389
 (C) First Final Flow Pressure 337 PSI AK1 Recorder No. 10248 Range 4400
 (D) Initial Shut-In Pressure 895 PSI @ (depth) 4371 w/Clock No. 27567
 (E) Second Initial Flow Pressure 382 PSI AK1 Recorder No. Range
 (F) Second Final Flow Pressure 551 PSI @ (depth) w/Clock No.
 (G) Final Shut-In Pressure 940 PSI Initial Opening 15 Test
 (H) Final Hydrostatic Mud 2113 PSI Initial Shut-In 30 Jars X
 Final Flow 60 Safety Joint X
 Final Shut-In 120 Straddle

Approved By Tyler H. Sanders Circ. Sub X 20.00
 Our Representative Roger F. Selbo Sampler
 Extra Packer
 Other
 TOTAL PRICE \$

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

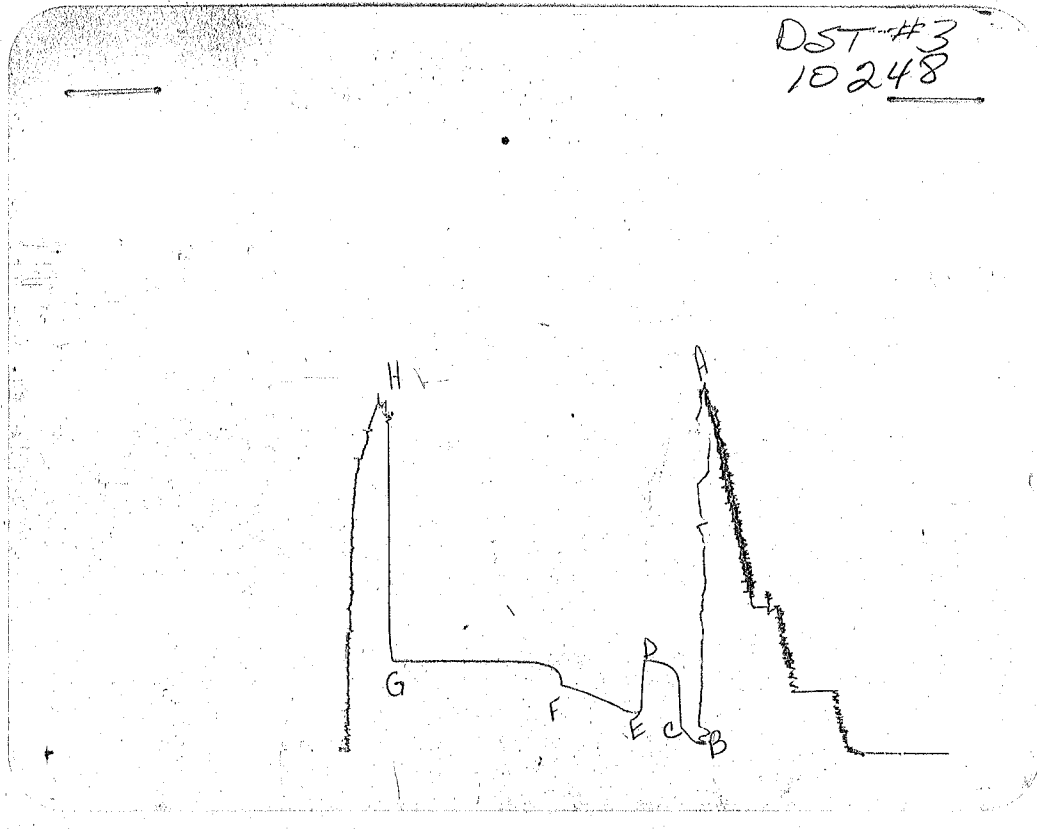
Well Name & No.	DICKEY "F" #1	Test No.	3	Date	2/5/90
Company	PETROLEUM INC	Zone Tested	MYRICK		
Address	900 EPIC CNTR-301 MAIN-WICHITA KS	Elevation	2816 KB		
Co. Rep./Geo.	MR TYLER SANDER	Cont.	ABERCROMBIE RIG #8	Est. Ft. of Pay	3
Location: Sec.	30	Twp.	16S	Rge.	29W
		Co.	LANE	State	KANSAS

Interval Tested	4391-4426	Drill Pipe Size	4.5" XH
Anchor Length	35	Top Choke — 1"	
Top Packer Depth	4385	Bottom Choke — 3/4"	
Bottom Packer Depth	4390	Hole Size — 7 7/8"	
Total Depth	4426	Rubber Size — 6 3/4"	
Wt. Pipe I.D. — 2.7		Ft. Run	629
Drill Collar — 2.25		Ft. Run	0
Mud Wt.	9.4 lb./gal.	Viscosity	59
		Filtrate	8.0
Tool Open @	10:53 AM	Initial Blow	STRONG BLOW TO BOTTOM OF BUCKET IN 5 MIN- ISI:WEAK BLOW BACK-IN 7 MIN BUILT TO 1/2" AND LEVELED OFF
Final Blow	FAIR BLOW TO STRONG BLOW-OFF BOTTOM OF BUCKET IN 9 MIN- FSI:BLOW BACK IN 4 MIN-DIED AFTER 1 HOUR		
Recovery — Total Feet	940	Flush Tool?	NO
Rec.	60	Feet of	SLIGHTLY OIL CUT MUD
Rec.	90	Feet of	SLIGHTLY OIL CUT MUDDY WATER
Rec.	300	Feet of	GASSY MUDDY WATER WITH SLIGHT OIL
Rec.	490	Feet of	SALT WATER
Rec.	0	Feet of	
BHT	130 °F	Gravity	°API @ 0 °F
		Corrected Gravity	0 °API
RW	@ °F	Chlorides	40000 ppm
		Recovery Chlorides	1000 ppm
(A) Initial Hydrostatic Mud	2186.3	PSI	AK1 Recorder No. 13615 Range 4575
(B) First Initial Flow Pressure	102.1	PSI	@ (depth) 4374 w/Clock No. 14389
(C) First Final Flow Pressure	139.6	PSI	AK1 Recorder No. 10248 Range 4400
(D) Initial Shut-In Pressure	599.7	PSI	@ (depth) 4423 w/Clock No. 27567
(E) Second Initial Flow Pressure	263.5	PSI	Initial Opening 15
(F) Second Final Flow Pressure	439.8	PSI	Initial Shut-In 30
(G) Final Shut-In Pressure	599.7	PSI	Final Flow 60
(H) Final Hydrostatic Mud	2046.8	PSI	Final Shut-In 120

Our Representative MR ROGER F SELLS

TOTAL PRICE \$ 400

Printcraft Printers - Hays, KS



This is an actual photograph of recorder chart.

PRESSURE

POINT	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud.....	2168	2186.3	PSI
(B) First Initial Flow Pressure.....	101	102.1	PSI
(C) First Final Flow Pressure.....	132	139.6	PSI
(D) Initial Closed-in Pressure.....	595	599.7	PSI
(E) Second Initial Flow Pressure.....	236	263.5	PSI
(F) Second Final Flow Pressure.....	427	439.8	PSI
(G) Final Closed-in Pressure.....	595	599.7	PSI
(H) Final Hydrostatic Mud.....	2035	2046.8	PSI

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

TEST TICKET

No 2448

Well Name & No. Dickey "F" #1 Test No. 3 Date 2-5-90
 Company Pet. Inc. Zone Tested Myrick Sta.
 Address 900 Epic Center 301 N. Main Wichita, KS Elevation 2816 KB
 Co. Rep. / Geo. Tyler Sander Cont. Abercrombie Rig # Est. Ft. of Pay 3'
 Location: Sec. 30 Twp. 16 Rge. 29 Co. LANE State KS
 No. of Copies Normal Distribution Sheet Yes X No Turnkey Yes No

Interval Tested 4391' - 4426' Drill Pipe Size 4 1/2 XH
 Anchor Length 35' Top Choke — 1" Bottom Choke — 3/4"
 Top Packer Depth 4385 Hole Size — 77/8" Rubber Size — 63/4"
 Bottom Packer Depth 4390 Wt. Pipe I.D. — 2.7 Ft. Run 629'
 Total Depth 4426 Drill Collar — 2.25 Ft. Run
 Mud Wt. 9.4 lb/gal. Viscosity 59 Filtrate 8.0

Tool Open @ 10:53 AM Initial Blow very strong blow to bottom of bucket in 5 min.
very weak blow back on shut in - in 7 min. built to 1/2" and leveled off.

Final Blow fair blow @ opening building to very strong blow - off bottom
of bucket in 9 min. blow (weak) in 4 min. after final shut in.
Blow back on shut in died after 1 hr.
 Recovery — Total Feet 940 Flush Tool?

Rec. 60 Feet of very slight oil cut mud 190 Oil
 Rec. 90 Feet of very slight oil cut muddy wtr.
 Rec. 300 Feet of gassy muddy water w/ slight oil
 Rec. 490 Feet of salt water
 Rec. _____ Feet of _____

BHT 130 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides 40,000 ppm Recovery Chlorides 1,000 ppm System

(A) Initial Hydrostatic Mud 2168 PSI Ak1 Recorder No. 13615 Range 4575
 (B) First Initial Flow Pressure 101 PSI @ (depth) 4374 w/Clock No. 14389
 (C) First Final Flow Pressure 132 PSI AK1 Recorder No. 10248 Range 4400
 (D) Initial Shut-In Pressure 595 PSI @ (depth) 4423 w/Clock No. 27567
 (E) Second Initial Flow Pressure 236 PSI AK1 Recorder No. _____ Range _____
 (F) Second Final Flow Pressure 427 PSI @ (depth) _____ w/Clock No. _____
 (G) Final Shut-In Pressure 595 PSI Initial Opening 15 Test _____
 (H) Final Hydrostatic Mud 2035 PSI Initial Shut-In 30 Jars X
 Final Flow 60 Safety Joint X
 Final Shut-In 120 Straddle _____

Approved By Tyler H. Sander
 Our Representative Roger F. Sells

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

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

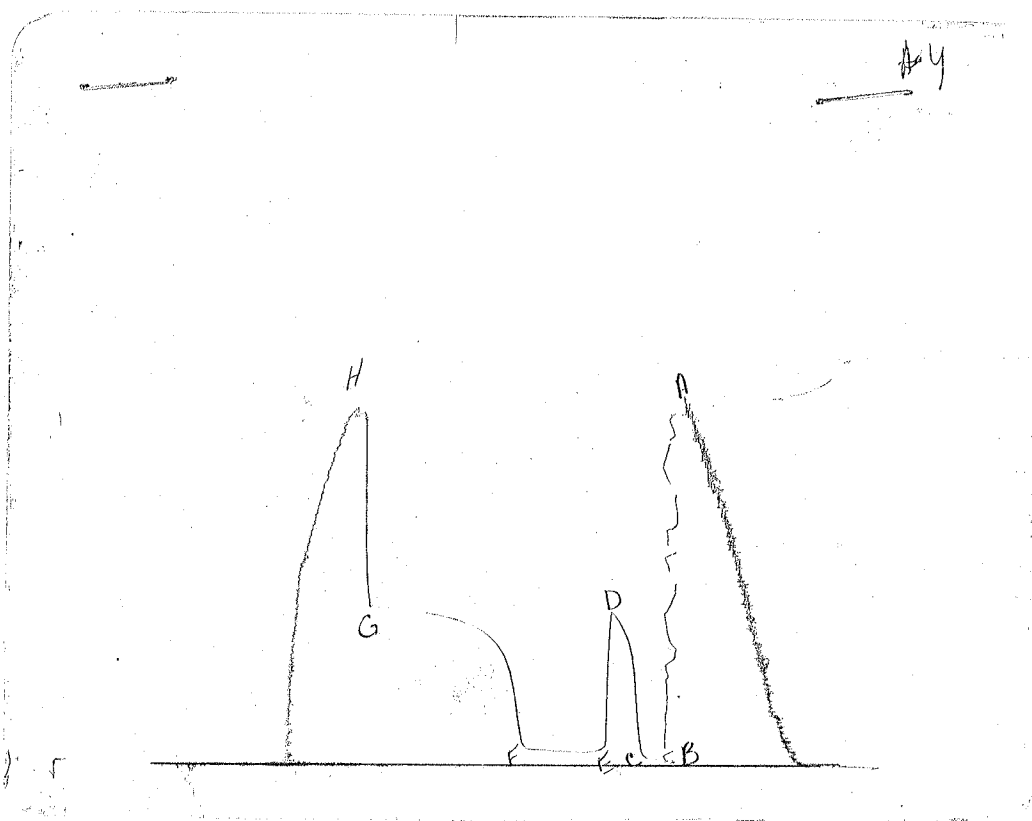
Well Name & No.	DICKEY "F" #1	Test No.	4	Date	2/6/90
Company	PETROLEUM INC	Zone Tested	FT SCOTT		
Address	900 EPIC CENTER WICHITA KS 67202	Elevation	2816 KB		
Co. Rep./Geo.	MR TYLER SANDER	Cont.	ABERCROMBIE DR LG	Est. Ft. of Pay	3
Location: Sec.	30	Twp.	16S	Rge.	29W
		Co.	LANE	State	KANSAS

Interval Tested	4435-4460	Drill Pipe Size	4.5" XH								
Anchor Length	25	Top Choke — 1"									
Top Packer Depth	4427	Bottom Choke — 3/4"									
Bottom Packer Depth	4432	Hole Size — 7 7/8"									
Total Depth	4460	Rubber Size — 6 3/4"									
Wt. Pipe I.D. — 2.7		Ft. Run	629								
Drill Collar — 2.25		Ft. Run	0								
Mud Wt.	9.4	lb./gal.	Viscosity	61	Filtrate	8.0					
Tool Open @	4:10 AM	Initial Blow	FAIR TO GOOD BLOW BUILDING TO 6" — ISI: VERY WEAK BLOW BACK ON SHUTIN — DYING IN 2 MINUTES								
Final Blow	FAIR TO GOOD BLOW IMMEDIATELY — BUILDING TO BOTTOM OF BUCKET IN 30 MIN — VERY WEAK BLOW BACK ON SHUTIN — DIED IN 30 MINUTES										
Recovery — Total Feet	180	Flush Tool?	NO								
Rec.	240	Feet of	GAS IN PIPE								
Rec.	60	Feet of	MUD CUT OIL — 10% GAS / 50% OIL / 40% MUD								
Rec.	60	Feet of	HEAVY OIL CUT MUD — 20% GAS / 20% OIL / 60% MUD								
Rec.	60	Feet of	OIL & WTR CUT MUD — 8% GAS / 12% OIL / 30% WATER / 50% MUD								
Rec.	0	Feet of									
BHT	128	°F	Gravity	°API @	0	°F	Corrected Gravity	37	°API		
RW		@	°F	Chlorides		ppm	Recovery	Clorides	1000	ppm	System
(A) Initial Hydrostatic Mud	2117.8	PSI	AK1 Recorder No.	13615	Range	4575					
(B) First Initial Flow Pressure	47.3	PSI	@ (depth)	4437	w/Clock No.	14389					
(C) First Final Flow Pressure	60.8	PSI	AK1 Recorder No.	10248	Range	4400					
(D) Initial Shut-In Pressure	978.1	PSI	@ (depth)	4457	w/Clock No.	25767					
(E) Second Initial Flow Pressure	81.1	PSI	Initial Opening	15							
(F) Second Final Flow Pressure	114.8	PSI	Initial Shut-In	30							
(G) Final Shut-In Pressure	984.4	PSI	Final Flow	60							
(H) Final Hydrostatic Mud	2126.7	PSI	Final Shut-In	120							

Our Representative MR ROGER SELLS

TOTAL PRICE \$ 400

DST# 4 RECORDER# 13615



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud.....	2117	2117.8	PSI
(B) First Initial Flow Pressure.....	45	47.3	PSI
(C) First Final Flow Pressure.....	56	60.8	PSI
(D) Initial Closed-in Pressure.....	973	978.1	PSI
(E) Second Initial Flow Pressure.....	56	81.1	PSI
(F) Second Final Flow Pressure.....	112	114.8	PSI
(G) Final Closed-in Pressure.....	984	984.4	PSI
(H) Final Hydrostatic Mud.....	2114	2126.7	PSI

COMPUTER EVALUATION BY TRILOBITE TESTING
PETROLEUM INC
REPORT FOR DST#4 FOR THE DICKEY "F" #1
30-16S-29W LANE KS

TEST PARAMETERS

ELEVATION: 2816 KB EST. PAY: 3 FT
DATUM: -1642 ZONE TESTED: FORT SCOTT
TEST INTERVAL: 4435-4460
RECORDER DEPTH: 4457 TIME INTERVALS: 15-30-60-120
BOTTOM HOLE TEMP: 128 VISCOSITY: 5.455314 CP
HOLE SIZE: 7.875 IN

CALCULATIONS

CUBIC FEET OF GAS IN PIPE: 9.365011
TOTAL FEET OF RECOVERY: 180
BARRELS IN WEIGHT PIPE: 1.26
GAS OIL RATIO: 7.432549 CU.FT./BBL
BUBBLE POINT PRESSURE: ; .6831208
TOTAL BARRELS OF RECOVERY: 1.26
API GRAVITY: 37 UNCORR. INIT. PROD.: 24.192 BBL/DAY
CORRECTED PIPE FILLUP: 315.3847 FLUID GRADIENT: .364
CORR. BARRELS OF RECOVERY: 2.207693 BBL
INITIAL PRODUCTION CORRECTED TO FINAL FLOW PRESSURE: 42.3877 BBL/DAY
INITIAL PRODUCTION CORRECTED TO PSEUDO STEADY FLOW STATE
15.57692

INITIAL SHUT-IN VALUES:
THEORETICAL STATIC PRESSURE 1250.172
SLOPE 1545.341

FINAL SHUT-IN VALUES
THEORETICAL STATIC PRESSURE 1106.502
SLOPE 579.1893

TRANSMISSIBILITY 11.89981 (MD.-FT./CP.)
PERMEABILITY 21.63906 (MD.)
INDICATED FLOW CAPACITY 64.91717 (MD.FT)
PRODUCTIVITY INDEX 1.344678E-02 (BARRELS/DAY/PSI)
DAMAGE RATIO .3133371
RADIUS OF INVESTIGATION 40.2856 (FT.)
POTENTIOMETRIC SURFACE 924.978 (FT.)
DRAWDOWN FACTOR 11.49202 (%)

INITIAL FLOW

REORDER # 10248
DST #4

DT (MIN)	PRESSURE	<>	PRESSURE
0	47.3		47.3
3	47.6		.2999992
6	49.5		1.900002
9	54.1		4.599999
12	56.3		2.200001
15	56.6		.2999992
18	60.8		4.200001

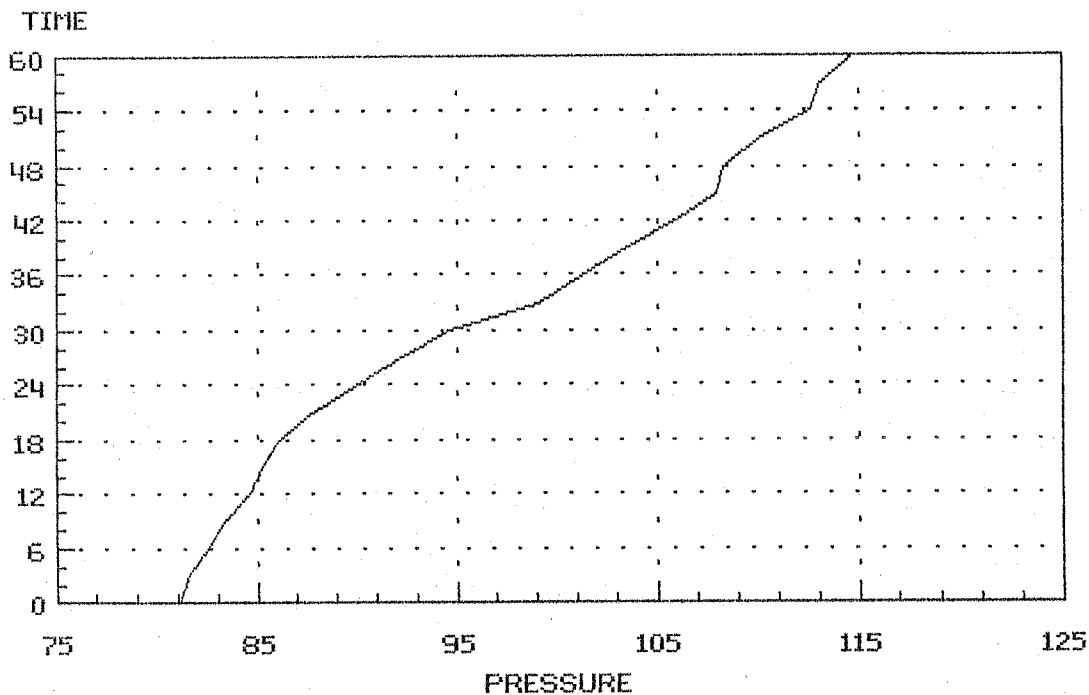
FINAL FLOW

REORDER # 10248
DST #4

DT (MIN)	PRESSURE	<>	PRESSURE
0	81.1		81.1
3	81.1		0
6	81.1		0
9	83.3		2.200005
12	85.6		2.299996
15	85.6		0
18	85.6		0
21	87.8		2.200005
24	90.1		2.299996
27	92.3		2.200005
30	94.6		2.299996
33	99.1		4.5
36	101.4		2.300003
39	103.6		2.199997
42	105.9		2.300003
45	108.1		2.199997
48	108.1		0
51	108.1		0
54	112.6		4.5
57	112.6		0
60	114.8		2.200005

DELTA T DELTA P

DST #4 FINAL FLOW
RECORDER # 10248



INITIAL PRODUCTION CORRECTED TO PSEUDO STEADY FLOW STATE 15.57692 BBL/DAY

INITIAL SHUT-IN BUILDUP
DST #4

RECORDER # 10248
INITIAL FLOW TIME (MIN.): 15

MIN	LOG(T+MIN/MIN)	PRESSURE	<> PRESSURE
0	0	60.8	60.8
3	.778011	81.1	20.3
6	.5439701	153.2	72.1
9	.425892	340.1	186.9
12	.352119	708.9	368.8
15	.3009757	808.9	100
18	.263194	868.9	60
21	.234041	902.2	33.29999
24	.2108154	934.6	32.39996
27	.191851	957.8	23.20001
30	.1760595	978.1	20.29999

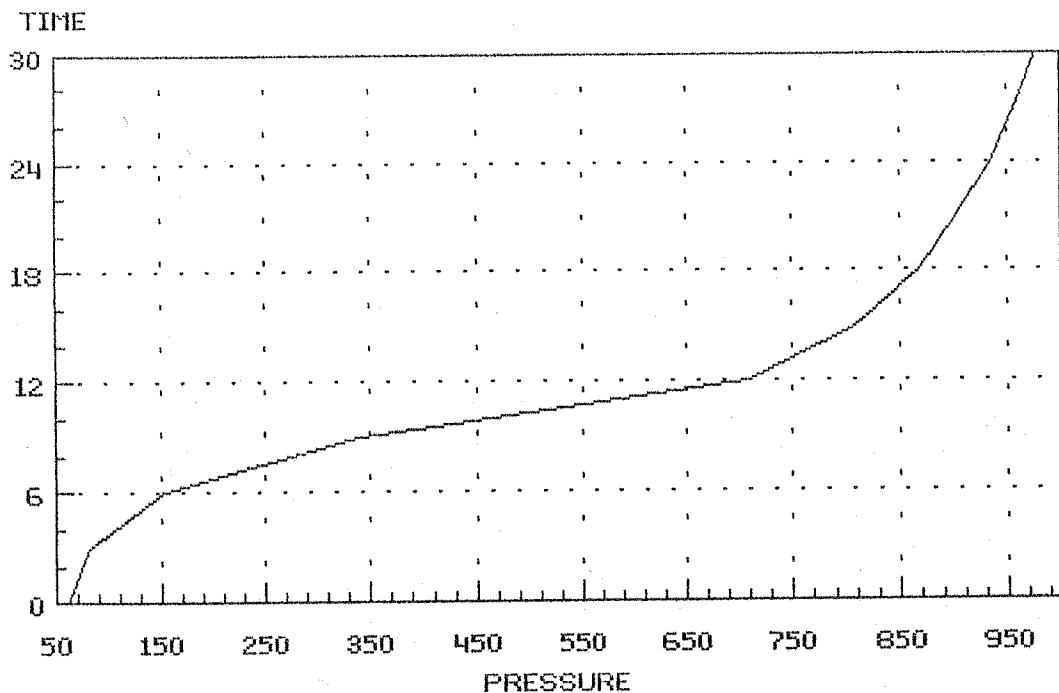
FINAL SHUT-IN BUILDUP
DST #4

RECORDER # 10248
TOTAL FLOW TIME (MIN.): 75

MIN	LOG(T+MIN/MIN)	PRESSURE	<> PRESSURE
0	0	114.8	114.8
6	1.13013	198.2	83.4
12	.8601831	500	301.8
18	.7130819	695.6	195.6
24	.6153131	771.1	75.5
30	.5439701	811.1	40
36	.4889323	844.4	33.30005
42	.4448565	866.7	22.29999
48	.4085902	886.7	20
54	.3781278	900	13.29999
60	.352119	911.1	11.09998
66	.3296158	922.2	11.10004
72	.309929	935.6	13.39996
78	.2925441	942.2	6.600037
84	.2770679	948.9	6.700012
90	.263194	960	11.09998
96	.2506797	962.2	2.200012
102	.2393299	964.4	2.200012
108	.2289861	966.7	2.299988
114	.2195174	973.3	6.599976
120	.2108154	984.4	11.10004

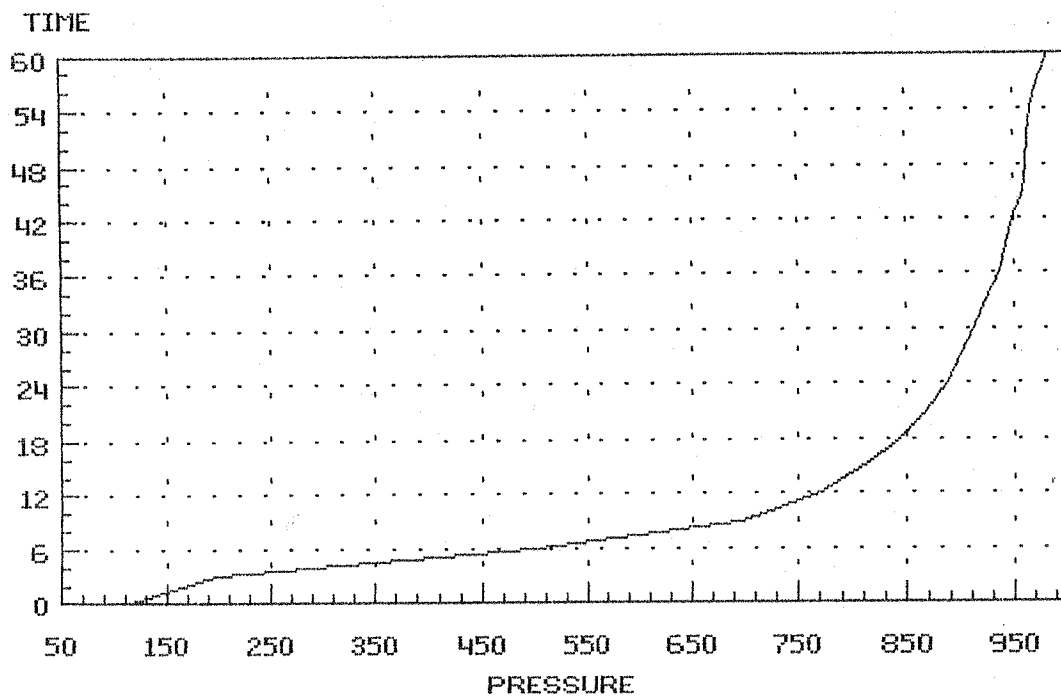
DELTA T DELTA P

DST #4 INITIAL SHUTIN
RECORDER # 10248



DELTA T DELTA P

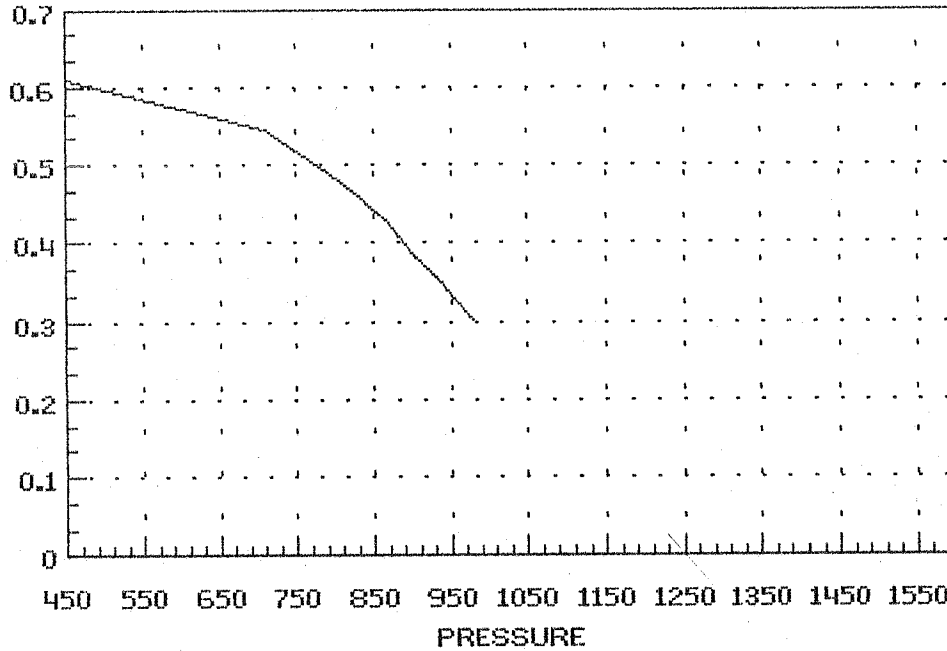
DST #4 FINAL SHUTIN
RECORDER # 10248



HORNER PLOT

DST #4 INITIAL SHUTIN
RECORDER # 10248

LOG = T +(MIN/MIN)

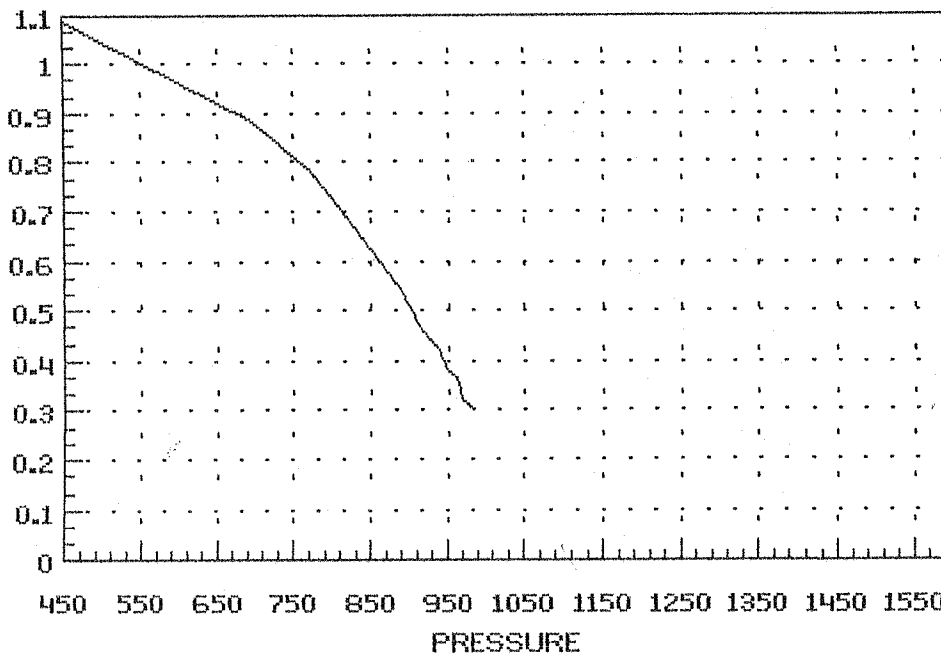


STATIC PRESSURE 1250.172
SLOPE 1545.341
POINTS USED 11

HORNER PLOT

DST #4 FINAL SHUTIN
RECORDER # 10248

LOG = T +(MIN/MIN)



STATIC PRESSURE 1106.502
SLOPE 579.1893
POINTS USED 21

TEST TICKET

Nº 2449

Well Name & No. Dickey "F" #1 Test No. 4 Date 2-6-90
 Company Pet. Inc. Zone Tested Ft. Scott
 Address 900 Epic Center 301 N. Main Wichita, Ks. Elevation 2816 KB
 Co. Rep. / Geo. Tyler Sander Cont. Abercrombie Drlg. Est. Ft. of Pay 3'
 Location: Sec. 30 Twp. 10 Rge. 29 Co. Lane State Ks.
 No. of Copies Normal Distribution Sheet Yes No Turnkey Yes No

Interval Tested 4435' - 4460' Drill Pipe Size 4 1/2 XH
 Anchor Length 25' Top Choke — 1" Bottom Choke — 3/4"
 Top Packer Depth 4427' Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Bottom Packer Depth 4432' Wt. Pipe I.D. — 2.7 Ft. Run 629'
 Total Depth 4460' Drill Collar — 2.25 Ft. Run —

Mud Wt. 9.4 lb/gal. Viscosity 161 Filtrate 8.0
 Tool Open @ 4:10 AM Initial Blow spin to good blow building to 6" @
shut-in. very weak blow back on shut-in dying in 2 min.
 Final Blow fair to good blow immediately building to bottom of bucket
in 30 min. very weak blow back on shut-in @ surface - died in 30 m

Recovery — Total Feet 180 HAS 240' Flush Tool? —
 Rec. 60 Feet of mud cut oil 10% Has - 50% Oil - 40% Mud
 Rec. 60 Feet of Hvy. Oil Cut Mud 20% Has - 20% Oil - 60% Mud
 Rec. 60 Feet of oil & wtr. cut 8% Has - 12% Oil - 30% Water 50% Mud
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____

BHT 128 °F Gravity _____ °API @ _____ °F Corrected Gravity 37 °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 1000 ppm System

(A) Initial Hydrostatic Mud 2117 PSI Ak1 Recorder No. 131615 Range 4575
 (B) First Initial Flow Pressure 45 PSI @ (depth) 4437 w/Clock No. 14389
 (C) First Final Flow Pressure 56 PSI AK1 Recorder No. 10248 Range 4400
 (D) Initial Shut-In Pressure 973 PSI @ (depth) 4457 w/Clock No. 27567
 (E) Second Initial Flow Pressure 56 PSI AK1 Recorder No. _____ Range _____
 (F) Second Final Flow Pressure 112 PSI @ (depth) _____ w/Clock No. _____
 (G) Final Shut-In Pressure 984 PSI Initial Opening 15 Test _____
 (H) Final Hydrostatic Mud 2114 PSI Initial Shut-In 30 Jars X
 Final Flow 60 Safety Joint X
 Final Shut-In 120 Straddle _____

Approved By Tyler H. Sander Circ. Sub X
 Our Representative Roger L. Selts Sampler _____
 Extra Packer _____
 Other _____
 TOTAL PRICE \$ _____

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name & No.	DICKEY "F" #1	Test No.	5	Date	2/6/90				
Company	PETROLEUM INC	Zone Tested	CHEROKEE LIME						
Address	900 EPIC CNTR-301 MAIN-WICHITA KS		Elevation	2816 KB					
Co. Rep./Geo.	MR TYLER SANDER	cont.	ABERCROMBIE RIG #8	Est. Ft. of Pay	0				
Location: Sec.	30	Twp.	16S	Rge.	29W	Co.	LANE	State	KANSAS

Interval Tested	445-4485	Drill Pipe Size	4.5" XH		
Anchor Length	31	Top Choke — 1"			
Top Packer Depth	4448	Bottom Choke — 3/4"			
Bottom Packer Depth	4453	Hole Size — 7 7/8"			
Total Depth	4485	Rubber Size — 6 3/4"			
Wt. Pipe I.D. — 2.7		Ft. Run	629		
Drill Collar — 2.25		Ft. Run	0		
Mud Wt.	9.4 lb./gal.	Viscosity	61	Filtrate	9.6

Tool Open @ 7:30 PM Initial Blow WEAK BLOW ON OPENING AFTER 2 MIN-BLOW AT SURFACE-BLOW DIED IN 8 MINUTES

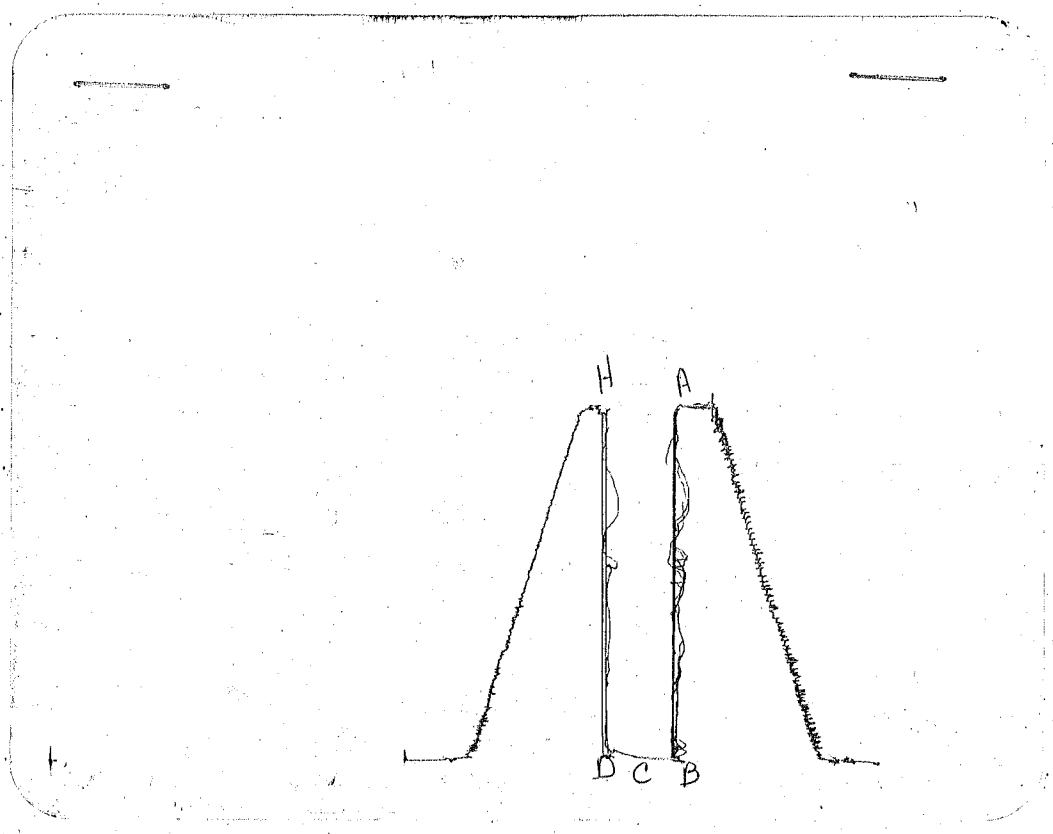
Final Blow NO BLOW-FLUSHED TOL-NO HELP-NO BLOW-OUT OF HOLE WITH TOOL

Recovery — Total Feet 10 Flush Tool? YES

Rec.	10	Feet of	OIL SPECKED MUD
Rec.	0	Feet of	
Rec.	0	Feet of	
Rec.	0	Feet of	
Rec.	0	Feet of	

BHT	126 °F	Gravity	°API @ 0 °F	Corrected Gravity	0 °API
RW	@	°F Chlorides	ppm Recovery	Clorides	2000 ppm System
(A) Initial Hydrostatic Mud	2232.1	PSI	AK1 Recorder No.	13615	Range 4575
(B) First Initial Flow Pressure	35.6	PSI	@(depth)	4456	w/Clock No. 14389
(C) First Final Flow Pressure	48.7	PSI	AK1 Recorder No.	10248	Range 4400
(D) Initial Shut-In Pressure	98.7	PSI	@(depth)	4482	w/Clock No. 27567
(E) Second Initial Flow Pressure	0	PSI	Initial Opening	15	
(F) Second Final Flow Pressure	0	PSI	Initial Shut-In	30	
(G) Final Shut-In Pressure	0	PSI	Final Flow	10	
(H) Final Hydrostatic Mud	2199.8	PSI	Final Shut-In	0	

Our Representative MR ROGER SELLS TOTAL PRICE..... \$ 400



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud.....	2228	2232.1	PSI
(B) First Initial Flow Pressure.....	33	35.6	PSI
(C) First Final Flow Pressure.....	45	48.7	PSI
(D) Initial Closed-in Pressure.....	90	98.7	PSI
(E) Second Initial Flow Pressure.....	0	0	PSI
(F) Second Final Flow Pressure.....	0	0	PSI
(G) Final Closed-in Pressure.....	0	0	PSI
(H) Final Hydrostatic Mud.....	2191	2199.8	PSI

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

TEST TICKET

No 2450

Well Name & No. Dickey "F" #1 Test No. 5 Date 2-6-90
Company Pet. Inc. Zone Tested Cherokee Lime
Address 900 Epic Center 301 N. Main Wichita, Ks. Elevation 2816 KB
Co. Rep. / Geo. Tyler Sanders cont. Abercrombie Drng. Est. Ft. of Pay _____
Location: Sec. 30 Twp. 16 Rge. 29 Co. LANE State Ks.
No. of Copies Normal Distribution Sheet Yes X No Turnkey Yes _____ No _____

Interval Tested 4454'-4485' Drill Pipe Size 4 1/2 XH
Anchor Length 31' Top Choke — 1" Bottom Choke — 3/4"
Top Packer Depth 4448 Hole Size — 7 7/8" Rubber Size — 6 3/4"
Bottom Packer Depth 4453 Wt. Pipe I.D. — 2.7 Ft. Run 629'
Total Depth 4485 Drill Collar — 2.25 Ft. Run _____
Mud Wt. 9.4 lb/gal. Viscosity 61 Filtrate 9.6

Tool Open @ 7:30 PM Initial Blow very, very weak blow on opening after 2 min.
Blow at surface. Blow died in 8 min.

Final Blow no blow on opening - flushed tool after 5 mins.
no help - no blow, out of the hole w/ tool.

Recovery — Total Feet 10' Flush Tool? no help

Rec. 10 Feet of oil speck mud
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 126 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 2,000 ppm System

(A) Initial Hydrostatic Mud 2228 PSI Ak1 Recorder No. 13615 Range 4575

(B) First Initial Flow Pressure 33 PSI @ (depth) 4456 w/Clock No. 14389

(C) First Final Flow Pressure 45 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-In Pressure 90 PSI @ (depth) 4482 w/Clock No. 27567

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

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

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

(H) Final Hydrostatic Mud 2191 PSI Initial Shut-In 30 Jars X

Final Flow 10 Safety Joint X

Final Shut-In _____ Straddle _____

Approved By Tyler N. Sanders Circ. Sub X
Sampler _____

Our Representative Roger F. Selts Extra Packer _____
Other _____

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

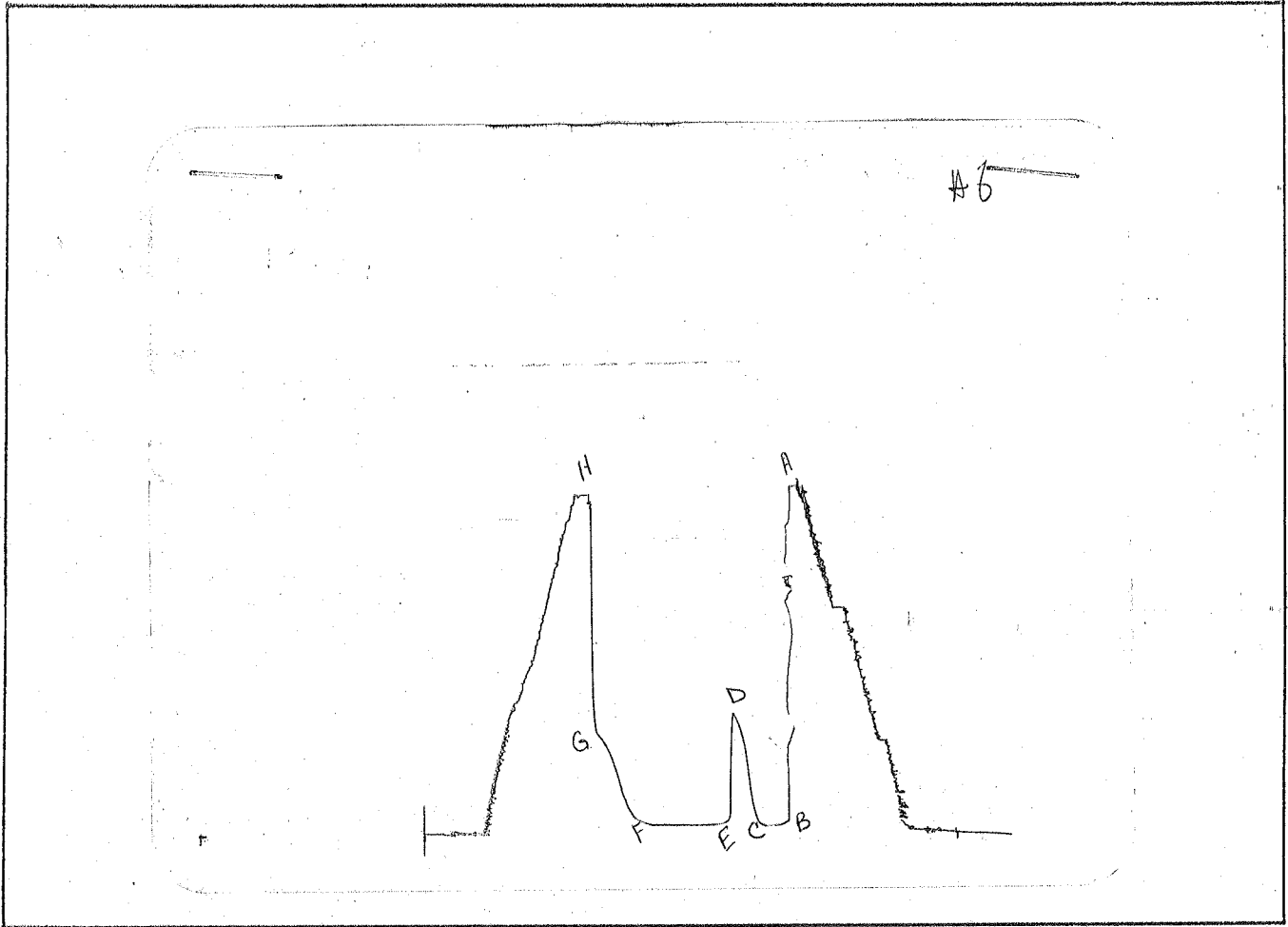
Drill-Stem Test Data

Well Name & No.	DICKEY "E" #1	Test No.	6	Date	2/7/90				
Company	PETROLEUM INC	Zone Tested	JOHNSON						
Address	900 EPIC CNTR-301 MAIN-WICHITA KS		Elevation	2816 KB					
Co. Rep./Geo.	MR TYLER SANDER	Cont.	ABERCROMBIE RIG #8	Est. Ft. of Pay	0				
Location: Sec.	30	Twp.	16S	Rge.	29W	Co.	LANE	State	KANSAS

Interval Tested	4474-4511	Drill Pipe Size	4.5" XH			
Anchor Length	37	Top Choke — 1"				
Top Packer Depth	4468	Bottom Choke — ¼"				
Bottom Packer Depth	4473	Hole Size — 77/8"				
Total Depth	4511	Rubber Size — 6¾"				
Wt. Pipe I.D. — 2.7		Ft. Run	629			
Drill Collar — 2.25		Ft. Run	0			
Mud Wt.	9.4	lb./gal.	Viscosity	61	Filtrate	9.6
Tool Open @	8:52 AM	Initial Blow	WEAK TO FAIR BLOW AT OPENING BUILDING TO 2" AT SHUT IN			
Final Blow	WEAK TO FAIR BLOW BUILDING TO 3.25" AT SHUT IN					

Recovery — Total Feet	70	Flush Tool?	NO							
Rec.	10	Feet of	CLEAN OIL							
Rec.	60	Feet of	HEAVY OIL CUT MUD-52%MUD/35%OIL/13%GAS							
Rec.	0	Feet of								
Rec.	0	Feet of								
Rec.	0	Feet of								
BHT	120	°F	Gravity	0	°API @	0	°F	Corrected Gravity	0	°API
RW	@	°F	Chlorides	ppm	Recovery	Clorides	2000	ppm	System	
(A) Initial Hydrostatic Mud	2225.8	PSI	AK1 Recorder No.	13615	Range	4575				
(B) First Initial Flow Pressure	77.9	PSI	@ (depth)	4476	w/Clock No.	14389				
(C) First Final Flow Pressure	77.9	PSI	AK1 Recorder No.	12048	Range	4400				
(D) Initial Shut-In Pressure	856.4	PSI	@ (depth)	4508	w/Clock No.	27567				
(E) Second Initial Flow Pressure	77.9	PSI	Initial Opening	15						
(F) Second Final Flow Pressure	93.5	PSI	Initial Shut-In	30						
(G) Final Shut-In Pressure	958.7	PSI	Final Flow	60						
(H) Final Hydrostatic Mud	2199.7	PSI	Final Shut-In	120						

Our Representative MR ROGER SELLS TOTAL PRICE \$ 400



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud.....	2213	2225.8	PSI
(B) First Initial Flow Pressure.....	67	77.9	PSI
(C) First Final Flow Pressure.....	67	77.9	PSI
(D) Initial Closed-in Pressure.....	851	856.4	PSI
(E) Second Initial Flow Pressure.....	67	77.9	PSI
(F) Second Final Flow Pressure.....	90	93.5	PSI
(G) Final Closed-in Pressure.....	951	958.7	PSI
(H) Final Hydrostatic Mud.....	2191	2199.7	PSI

TEST TICKET

Well Name & No. Dickey "F" #1 Test No. 6 Date 2-7-90
 Company Pet. Inc. Zone Tested Johnson
 Address 900 Epic Center 301 N. Main Wichita, Ks. Elevation 2816 ASB
 Co. Rep. / Geo. Tyler Sanders Cont. Abraham Dg. Est. Ft. of Pay _____
 Location: Sec. 30 Twp. 16 Rge. 29 Co. LANE State KS
 No. of Copies Normal Distribution Sheet Yes No Turnkey Yes _____ No _____

Interval Tested 4474 - 4511 Drill Pipe Size 4 1/2 XH
 Anchor Length 37' Top Choke — 1" Bottom Choke — 3/4"
 Top Packer Depth 4468 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Bottom Packer Depth 4473 Wt. Pipe I.D. — 2.7 Ft. Run 629'
 Total Depth 4511 Drill Collar — 2.25 Ft. Run _____
 Mud Wt. 9.4 lb / gal. Viscosity 61 Filtrate 9.6
 Tool Open @ 8:52 AM Initial Blow weak to fair blow @ opening building to 2 at shut-in
 Final Blow weak to fair blow building to 3 1/4" @ shut-in

Recovery — Total Feet 70' Flush Tool? _____
 Rec. 10 Feet of clean oil
 Rec. 60 Feet of HOCMS 2% Mud 35% oil 13% Gas
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____

BHT 120 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 2,000 ppm System
 (A) Initial Hydrostatic Mud 2213 PSI AK1 Recorder No. 13615 Range 4575
 (B) First Initial Flow Pressure 67 PSI @ (depth) 4476 w/Clock No. 14389
 (C) First Final Flow Pressure 67 PSI AK1 Recorder No. 10248 Range 4400
 (D) Initial Shut-In Pressure 851 PSI @ (depth) 4508 w/Clock No. 27567
 (E) Second Initial Flow Pressure 67 PSI AK1 Recorder No. _____ Range _____
 (F) Second Final Flow Pressure 90 PSI @ (depth) _____ w/Clock No. _____
 (G) Final Shut-In Pressure 951 PSI Initial Opening 15 Test _____
 (H) Final Hydrostatic Mud 2191 PSI Initial Shut-In 30 Jars
 Final Flow 60 Safety Joint
 Final Shut-In 120 Straddle _____

Approved By Tyler N. Sanders Circ. Sub
 Our Representative Roger F. Sells Sampler _____
 Extra Packer _____
 Other _____
 TOTAL PRICE \$ _____

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name & No.	DICKEY "F" #1	Test No.	7	Date	2/7/90
Company	PETROLEUM INC	Zone Tested	CHEROKEE SAND		
Address	900 EPIC CNTR-301 MAIN-WICHITA KS		Elevation	2816 KB	
Co. Rep./Geo.	MR TYLER SANDER	Cont.	ABERCROMBIE RIG #8	Est. Ft. of Pay	5
Location: Sec.	30	Twp.	16S	Rge.	29W
		Co.	LANE	State	KANSAS

Interval Tested 4506-4541
Anchor Length 35
Top Packer Depth 4500
Bottom Packer Depth 4505
Total Depth 4541
Wt. Pipe I.D. — 2.7 _____
Drill Collar — 2.25 _____

Drill Pipe Size 4.5" XH
Top Choke — 1" _____
Bottom Choke — 3/4" _____
Hole Size — 7 7/8" _____
Rubber Size — 6 3/4" _____
Ft. Run 629
Ft. Run 0
Viscosity 45 Filtrate 8.8

Mud Wt. 9.2 lb./gal. 45 Viscosity 45 Filtrate 8.8
Tool Open @ 12:25 AM Initial Blow VERY WEAK BLOW AT BUCKET SURFACE -DYING
IN 13 MINUTES

Final Blow NO BLOW ON OPEINING-WAITED 5 MIN & FLUSHED TOOL-NO
HELP-CAME OUT OF THE HOLE

Recovery — Total Feet 2 Flush Tool? YES
Rec. 2 Feet of MUD
Rec. 0 Feet of _____
Rec. 0 Feet of _____
Rec. 0 Feet of _____
Rec. 0 Feet of _____

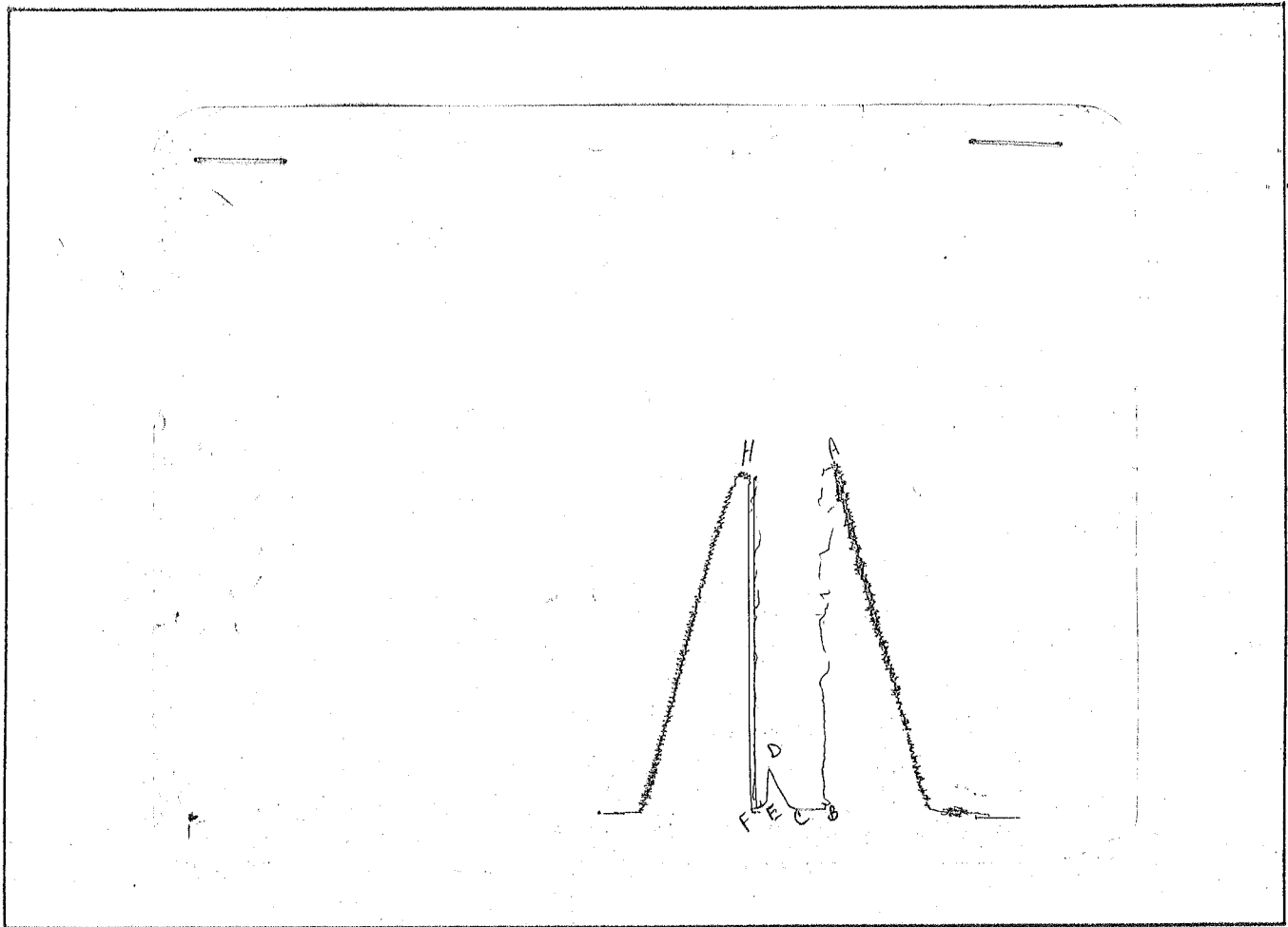
BHT 120 °F Gravity _____ °API @ 0 °F Corrected Gravity 0 °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 2000 ppm System

(A) Initial Hydrostatic Mud	<u>222.1</u>	PSI	AK1 Recorder No.	<u>13615</u>	Range	<u>4575</u>
(B) First Initial Flow Pressure	<u>47.5</u>	PSI	@ (depth)	<u>0</u>	w/Clock No.	<u>14389</u>
(C) First Final Flow Pressure	<u>47.5</u>	PSI	AK1 Recorder No.	<u>10248</u>	Range	<u>4400</u>
(D) Initial Shut-In Pressure	<u>410.6</u>	PSI	@ (depth)	<u>0</u>	w/Clock No.	<u>27567</u>
(E) Second Initial Flow Pressure	<u>58.9</u>	PSI	Initial Opening	<u>15</u>		
(F) Second Final Flow Pressure	<u>58.9</u>	PSI	Initial Shut-In	<u>30</u>		
(G) Final Shut-In Pressure	<u>0</u>	PSI	Final Flow	<u>10</u>		
(H) Final Hydrostatic Mud	<u>2161.8</u>	PSI	Final Shut-In	<u>0</u>		

MR ROGER SELLS

Our Representative _____

TOTAL PRICE \$ 400
Printcraft Printers - Hays, KS



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud.....	2213	222.1	PSI
(B) First Initial Flow Pressure.....	45	47.5	PSI
(C) First Final Flow Pressure.....	45	47.5	PSI
(D) Initial Closed-in Pressure.....	405	410.6	PSI
(E) Second Initial Flow Pressure.....	56	58.9	PSI
(F) Second Final Flow Pressure.....	56	58.9	PSI
(G) Final Closed-in Pressure.....	0	0	PSI
(H) Final Hydrostatic Mud.....	2157	2161.8	PSI

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

TEST TICKET

No. 2402

Well Name & No. Dickey "F" #1 Test No. 7 Date 2-7-90
Company Pet. Inc. Zone Tested Cherokee Sand
Address 900 Epic Center 301 N. Main Wichita, KS Elevation 2816 KB
Co. Rep. / Geo. Tyler Sanders cont. Abercrombie Dr. Est. Ft. of Pay 5'
Location: Sec. 30 Twp. 16 Rge. 29 Co. LANE State KS
No. of Copies Normal Distribution Sheet Yes No Turnkey Yes No

Interval Tested 4506 - 4541 Drill Pipe Size 4 1/2 XH
Anchor Length 35' Top Choke — 1" Bottom Choke — 3/4"
Top Packer Depth 4500 Hole Size — 7 7/8" Rubber Size — 6 3/4"
Bottom Packer Depth 4505 Wt. Pipe I.D. — 2.7 Ft. Run 629'
Total Depth 4541 Drill Collar — 2.25 Ft. Run
Mud Wt. 9.2 lb/gal. Viscosity 45 Filtrate 8.8

Tool Open @ 12:25 AM Initial Blow very weak blow at bucket surface dying in 13 min.

Final Blow no blow on opening - waited 5 min. & flushed tool - no help out of the hole

Recovery — Total Feet 2' Flush Tool? no help

Rec. 2 Feet of mud
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 1.20 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 2,000 ppm System

(A) Initial Hydrostatic Mud 2213 PSI AK1 Recorder No. 13615 Range 4575
(B) First Initial Flow Pressure 45 PSI @ (depth) _____ w/Clock No. 14389
(C) First Final Flow Pressure 45 PSI AK1 Recorder No. 10248 Range 4400
(D) Initial Shut-In Pressure 405 PSI @ (depth) _____ w/Clock No. 27567
(E) Second Initial Flow Pressure 56 PSI AK1 Recorder No. _____ Range _____
(F) Second Final Flow Pressure 56 PSI @ (depth) _____ w/Clock No. _____
(G) Final Shut-In Pressure _____ PSI Initial Opening 15 Test _____
(H) Final Hydrostatic Mud 2157 PSI Initial Shut-In 30 Jars X
Final Flow 10 Safety Joint X
Final Shut-In _____ Straddle _____

Approved By Tyler H. Sanders

Our Representative Roger F. Sells

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