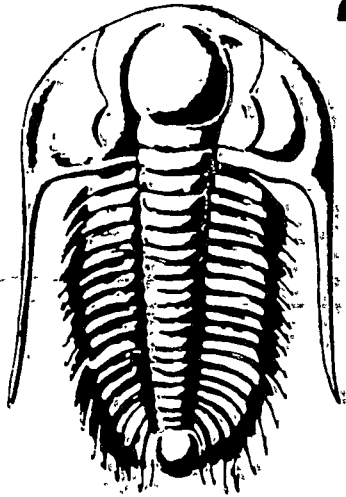


ORIGINAL

Drill-Stem Test Data

Name FOSTER #3-18 Test No. 1 Date 11/1/91
Company LEBSACK OIL PRODUCTION INC Zone Tested MORROW
Address P.O. BOX 489 HAYS KANSAS 67601 Elevation 3058 G.L
Sp./Geo. S McClain/W Lebsack Cont. ABERCROMBIE DRLG #8 Est. Ft. of Pay _____
Location: Sec. 18 Twp. 21S Rge. 34W Co. FINNEY State KS



TRILOBITE TESTING

TEST REPORT

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name FOSTER #3-18 Test No. 1 Date 11/1/91
Company LEBSACK OIL PRODUCTION INC Zone Tested MORROW
Address P.O. BOX 489 HAYS KANSAS 67601 Elevation 3058 G.L
O. Rep./Geo. S McCLAIN/W LEBSACK Cont. ABERCROMBIE DRLG #8 Est. Ft. of Pay _____
Location: Sec. 18 Twp. 21S Rge. 34W Co. FINNEY State KS

Interval Tested 4790-4880 Drill Pipe Size 4.5 XH
Anchor Length 90 Wt. Pipe I.D. - 2.7 Ft. Run 440
Top Packer Depth 4785-4790 Drill Collar - 2.25 Ft. Run 60
Bottom Packer Depth 4880
Total Depth (RTD) 4980

Mud Wt. 9.3 lb / gal. Viscosity 55 Filtrate 12

Tool Open @ 10:24 AM Initial Blow WEAK 1/4" BLOW BLOWING THROUGHOUT WITH SLIGHT DECREASE

Final Blow NO RETURN BLOW-FLUSHED TOOL/GOOD SURGE-NO HELP

Recovery - Total Feet 1680 Flush Tool? YES

Sec. 1680 Feet of DRILLING MUD-NO SHOW OF OIL

Sec. _____ Feet of _____

Sec. _____ Feet of _____

Sec. _____ Feet of _____

Sec. _____ Feet of _____

API 112 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

W _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 5000 ppm System

A) Initial Hydrostatic Mud 2410.2 PSI AK1 Recorder No. 13339 Range 4025

B) First Initial Flow Pressure 844.6 PSI @ (depth) 4792 w/Clock No. 30418

C) First Final Flow Pressure 844.6 PSI AK1 Recorder No. 13615 Range 4575

D) Initial Shut-in Pressure 1025.7 PSI @ (depth) 4875 w/Clock No. 19960

E) Second Initial Flow Pressure 844.6 PSI AK1 Recorder No. 13309 Range 4700

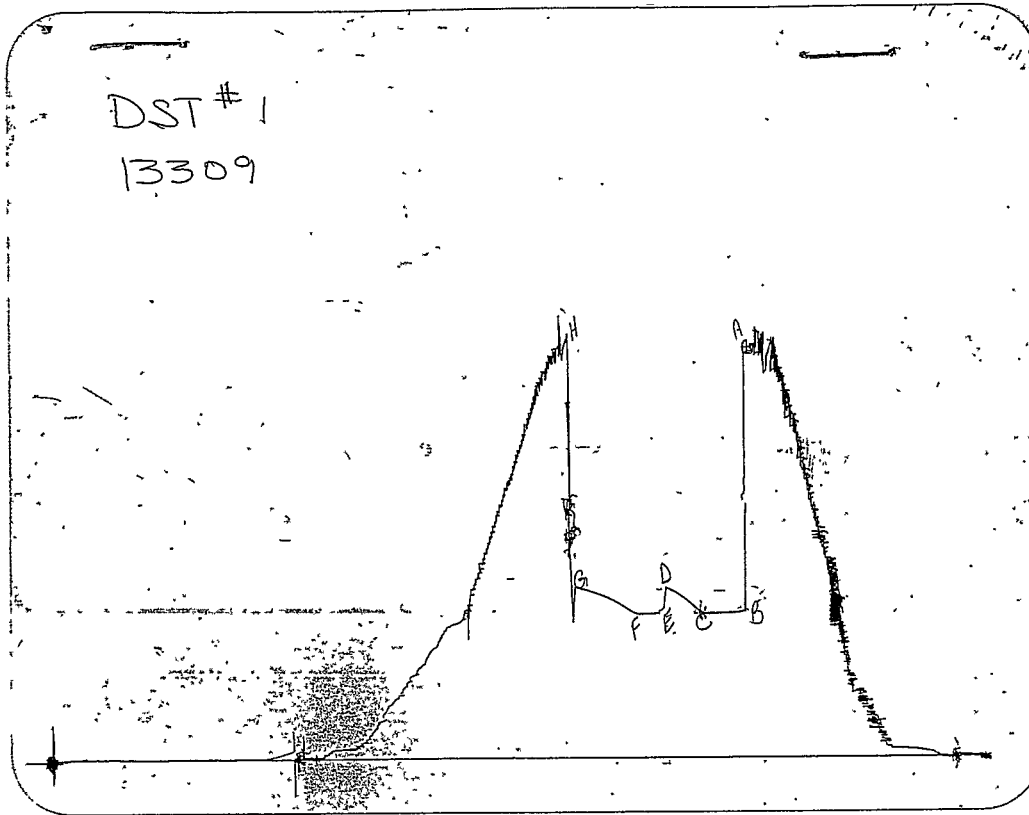
F) Second Final Flow Pressure 844.6 PSI @ (depth) 4975 w/Clock No. 27566

G) Final Shut-in Pressure 1022.5 PSI Initial Opening 30 Final Flow 15

H) Final Hydrostatic Mud 2388.7 PSI Initial Shut-in 30 Final Shut-in 45

Your Representative ROD STEINBRINK

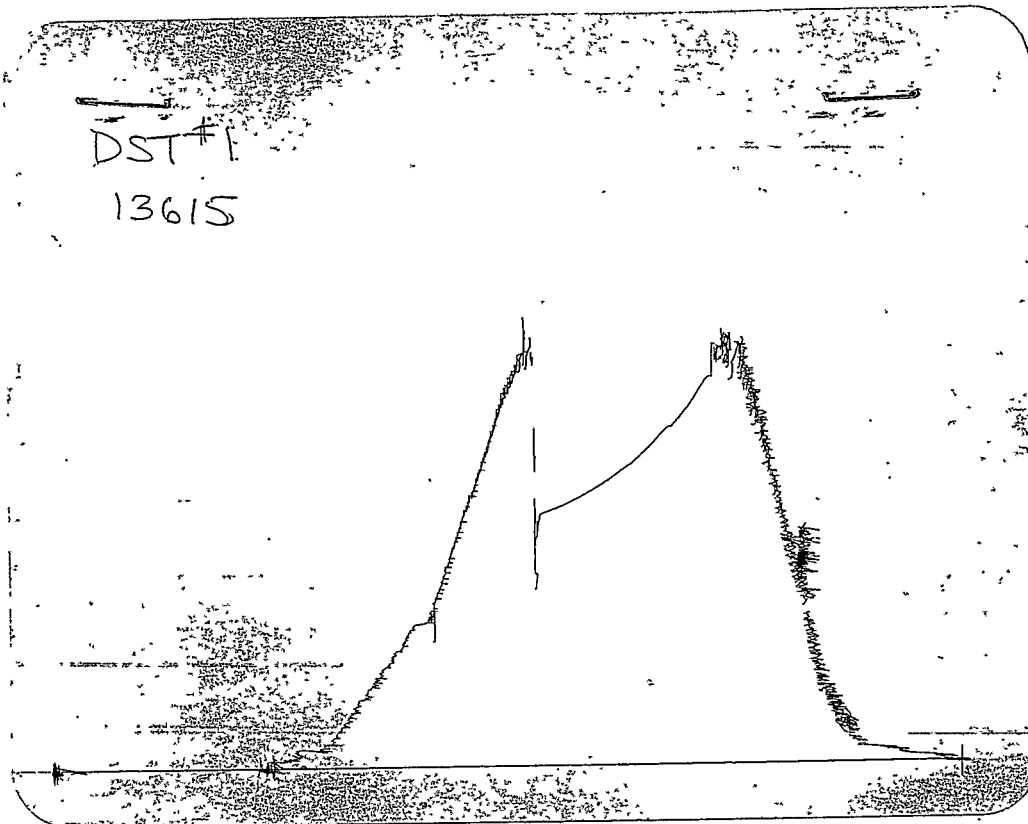
TOTAL PRICE \$ 900



POINT

This is an actual photograph of recorder chart
PRESSURE

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2403	2410.2
(B) FIRST INITIAL FLOW PRESSURE	839	844.6
(C) FIRST FINAL FLOW PRESSURE	839	844.6
(D) INITIAL CLOSED-IN PRESSURE	1020	1025.7
(E) SECOND INITIAL FLOW PRESSURE	839	844.6
(F) SECOND FINAL FLOW PRESSURE	839	844.6
(G) FINAL CLOSED-IN PRESSURE	1020	1022.5
(H) FINAL HYDROSTATIC MUD	2383	2388.7



This is an actual photograph of recorder chart
PRESSURE

POINT

FIELD
READING

OFFICE
READING

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

TRILOBITE TESTING COMPANY TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No. 4011

Well Name & No. Foster #3-18 Test No. 1 Date 11-1-91
 Company Lebsack Oil Production, Inc. Zone Tested Morrow
 Address P.O. Box 489 Hays, KS. 67601 Elevation 3058 (GL)
 Co. Rep./Geo. Steve / Wayne Lebsack cont. Abercrombie #8 Est. Ft. of Pay _____
 Location: Sec. 18 Twp. 21 S Rge. 34 W Co. Finney State KS.
 No. of Copies _____ Distribution Sheet _____ Yes _____ No Turnkey Yes _____ No _____ Evaluation _____

Interval Tested 4790 - 4880 Drill Pipe Size 4 1/2" XH
 Anchor Length 90' Top Choke - 1" _____ Bottom Choke - 3/4" _____
 Slip Packer Depth 4785 - 4790 Hole Size - 7 7/8" _____ Rubber Size - 6 3/4" _____
 Bottom Packer Depth 4880 Wt. Pipe I.D. - 2.7 Ft. Run 440'
 Total Depth (RTD) 4980 Drill Collar - 2.25 Ft. Run 60'
 Mud Wt. 9.3 lb/gal. Viscosity 55 Filtrate 12.0
 Time Open @ 10:24 am Initial Blow Weak 1/4" blow blowing throughout
of slight decrease.
 Final Blow No return blow - flush tool / good surge - no help.

Recovery - Total Feet	Feet of Gas in Pipe	Flush Tool?
<u>1680'</u>	_____	<u>YES</u>
C. _____ Feet Of _____	% gas _____ % oil _____ % water _____ % mud _____	
C. <u>1680'</u> Feet Of <u>Drly Mud</u>	% gas _____ % oil _____ % water _____ % mud _____	
C. _____ Feet Of <u>no show oil</u>	% gas _____ % oil _____ % water _____ % mud _____	
C. _____ Feet Of _____	% gas _____ % oil _____ % water _____ % mud _____	
C. _____ Feet Of _____	% gas _____ % oil _____ % water _____ % mud _____	

T 112° °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 Chlorides _____ ppm Recovery Chlorides 5,000 ppm System
 Initial Hydrostatic Mud 2403 PSI AK1 Recorder No. 13339 Range 4025
 First Initial Flow Pressure 839 PSI @ (depth) 4792 w/Clock No. 30418
 First Final Flow Pressure 839 PSI AK1 Recorder No. 13615 Range 4575
 Initial Shut-In Pressure 1020 PSI @ (depth) 4875 w/Clock No. 19960
 Second Initial Flow Pressure 839 PSI AK1 Recorder No. 13309 Range 4700
 Second Final Flow Pressure 839 PSI @ (depth) 4875 w/Clock No. 27566
 Final Shut-In Pressure 1020 PSI Initial Opening 30 Test Misrun 400.00
 Final Hydrostatic Mud 2383 PSI Initial Shut-In 30 Jars 200.00

Final Flow 15 Safety Joint 50.00
 Final Shut-In 45 Straddle 250.00
 Circ. Sub N/C
 Sampler _____
 Extra Packer _____
 Other _____

Approved By Rod Steinbrink
 Representative Rod Steinbrink

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.

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name FOSTER #3-18 Test No. 2 Date 11/1/91
Company LEBSACK OIL PRODUCTION INC Zone Tested MORROW
Address P.O. BOX 489 HAYS KANSAS 67601 Elevation 3054 K.B.
Co. Rep./Geo. S McCLAIN/W LEBSACK Cont. ABERCROMBIE DRLG #8 Est. Ft. of Pay _____
Location: Sec. 18 Twp. 21S Rge. 34W Co. FINNEY State KS

Interval Tested 4785-4865 Drill Pipe Size 4.5 XH
Anchor Length 80 Wt. Pipe I.D. - 2.7 Ft. Run 440
Top Packer Depth 4780-4785 Drill Collar - 2.25 Ft. Run 60
Bottom Packer Depth 4865
Total Depth (RTD) 4980

Mud Wt. 9.4 lb / gal. Viscosity 51 Filtrate 10.4

Tool Open @ 8:45 PM Initial Blow WEAK SURFACE BLOW BUILT TO 2" BLOW IN 15 MIN
THEN STAYED STEADY ISI: BLED OFF BLOW-NO RETURN
Final Blow STEADY SURFACE BLOW THROUGHOUT

Recovery — Total Feet 390 Flush Tool? NO

Rec. 390 Feet of SLTLY OIL CUT MUD-10%OIL/90%MUD

Rec. _____ Feet of _____

Rec. _____ Feet of _____

Rec. _____ Feet of _____

Rec. _____ Feet of _____

BHT 116 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 8000 ppm System

(A) Initial Hydrostatic Mud 2543.5 PSI AK1 Recorder No. 13339 Range 4025

(B) First Initial Flow Pressure 145.5 PSI @ (depth) 4788 w/Clock No. 30418

(C) First Final Flow Pressure 195.4 PSI AK1 Recorder No. 13615 Range 4575

(D) Initial Shut-in Pressure 611.2 PSI @ (depth) 4860 w/Clock No. 19960

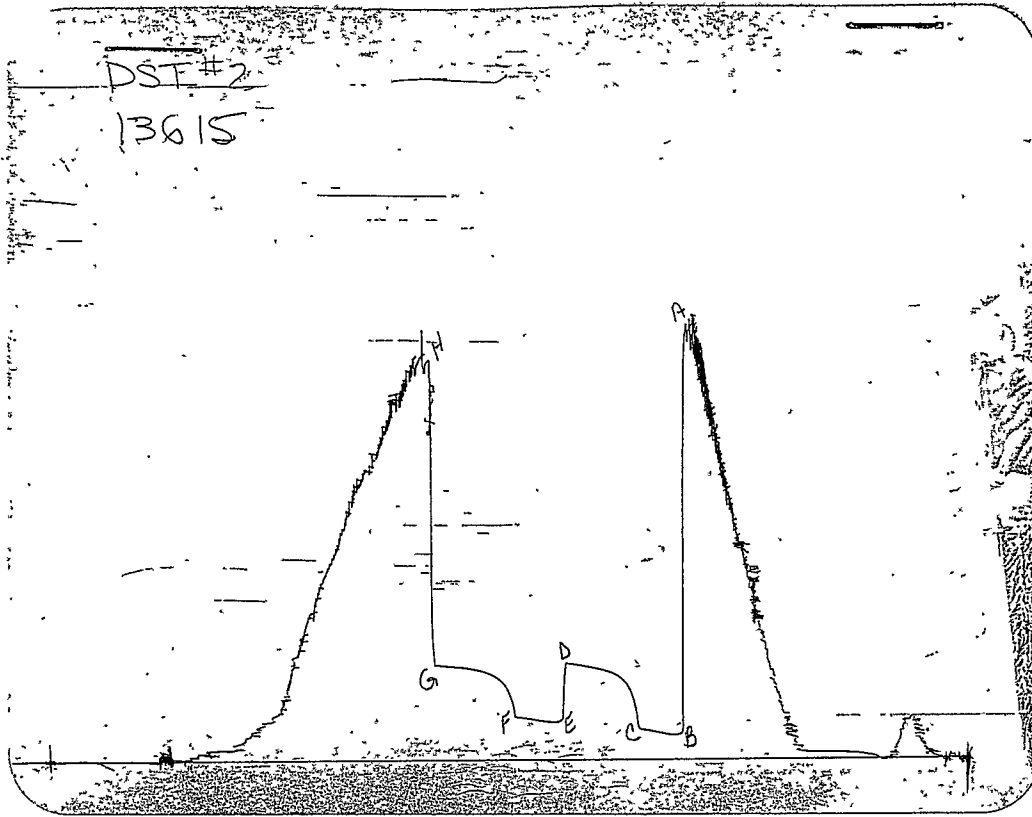
(E) Second Initial Flow Pressure 222.4 PSI AK1 Recorder No. 13309 Range 4700

(F) Second Final Flow Pressure 264 PSI @ (depth) 4875 w/Clock No. 27566

(G) Final Shut-in Pressure 596.2 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 2443.7 PSI Initial Shut-In 60 Final Shut-In 60

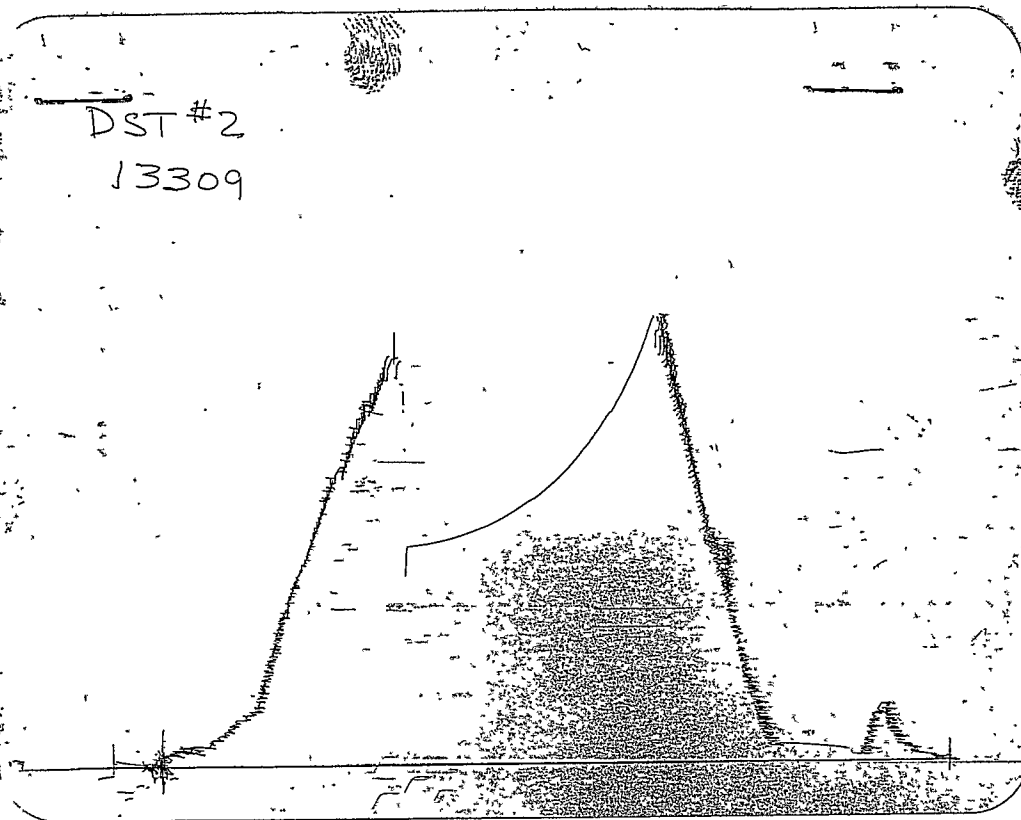
Our Representative ROD STEINBRINK TOTAL PRICE \$ 1050



POINT

This is an actual photograph of recorder chart
PRESSURE

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2523	2543.5
(B) FIRST INITIAL FLOW PRESSURE	114	145.5
(C) FIRST FINAL FLOW PRESSURE	166	195.4
(D) INITIAL CLOSED-IN PRESSURE	589	611.2
(E) SECOND INITIAL FLOW PRESSURE	187	222.4
(F) SECOND FINAL FLOW PRESSURE	228	264
(G) FINAL CLOSED-IN PRESSURE	559	596.2
(H) FINAL HYDROSTATIC MUD	2403	2443.7



POINT This is an actual photograph of recorder chart PRESSURE

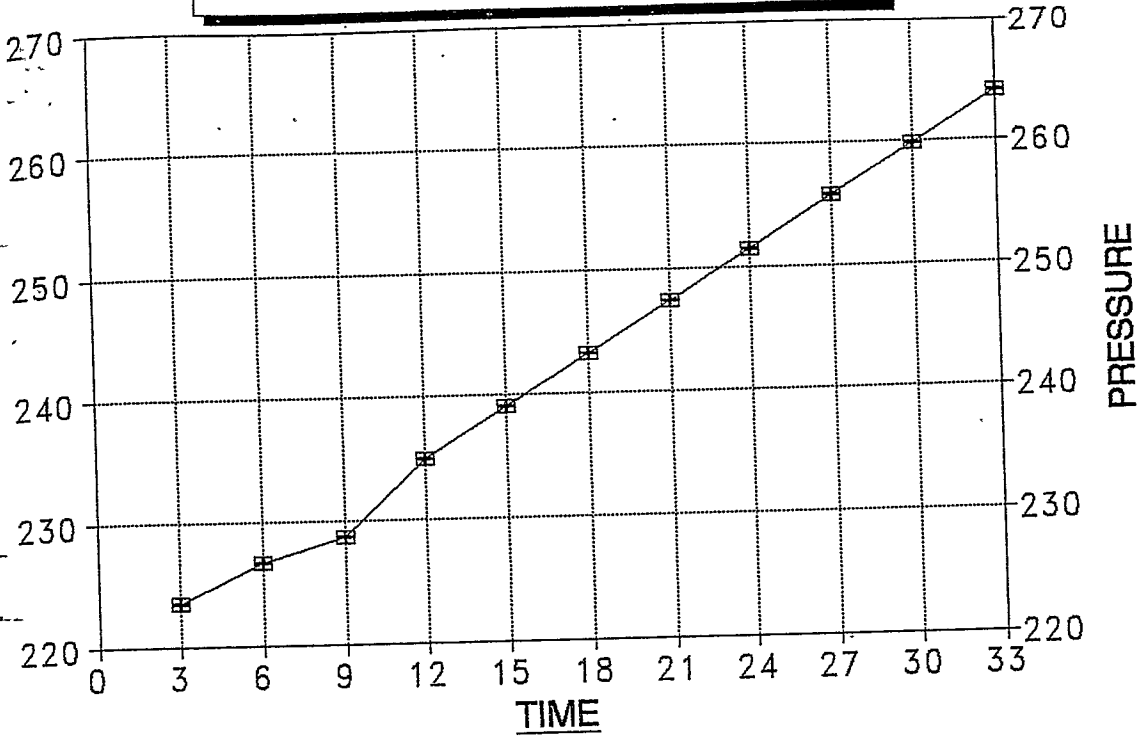
FIELD
READING

OFFICE
READING

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

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FINAL FLOW/ DST #2/FOSTER #3-18



FINAL FLOW

RECORDER # 13339
DST #2

DT(MIN)	PRESSURE	<> PRESSURE
0	222.4	222.4
3	223.4	1
6	226.6	3.200012
9	228.6	2
12	234.9	6.299988
15	239	4.100006
18	243.2	4.199997
21	247.4	4.199997
24	251.5	4.100006
27	255.7	4.199997
30	259.8	4.099991
33	264	4.200012

FOSTER #3-18
INITIAL

DST #2
SHUTIN

30 INITIAL FLOW TIME

Slope -324.63 psi/cycle
P * 668 psi

TIME(MIN)	Pws (psi)	Horn T	Log Horn T	<> PRESSURE
3	282.7	11	1.041	282.7
6	402.2	6	0.778	119.5
9	460.2	4	0.637	58.0
12	501.4	4	0.544	41.2
15	523.0	3	0.477	21.6
18	539.1	3	0.426	16.1
21	548.1	2	0.385	9.0
24	558.2	2	0.352	10.1
27	566.2	2	0.325	8.0
30	572.2	2	0.301	6.0
33	577.2	2	0.281	5.0
36	582.2	2	0.263	5.0
39	587.2	2	0.248	5.0
42	591.2	2	0.234	4.0
45	594.2	2	0.222	3.0
48	598.2	2	0.211	4.0
51	601.2	2	0.201	3.0
54	604.2	2	0.192	3.0
57	609.2	2	0.184	5.0
60	611.2	2	0.176	2.0

X

X

FOSTER #3-18
FINAL

DST #2
SHUTIN

60 TOTAL FLOW TIME

Slope -122.97 psi/cycle
P * 631 psi

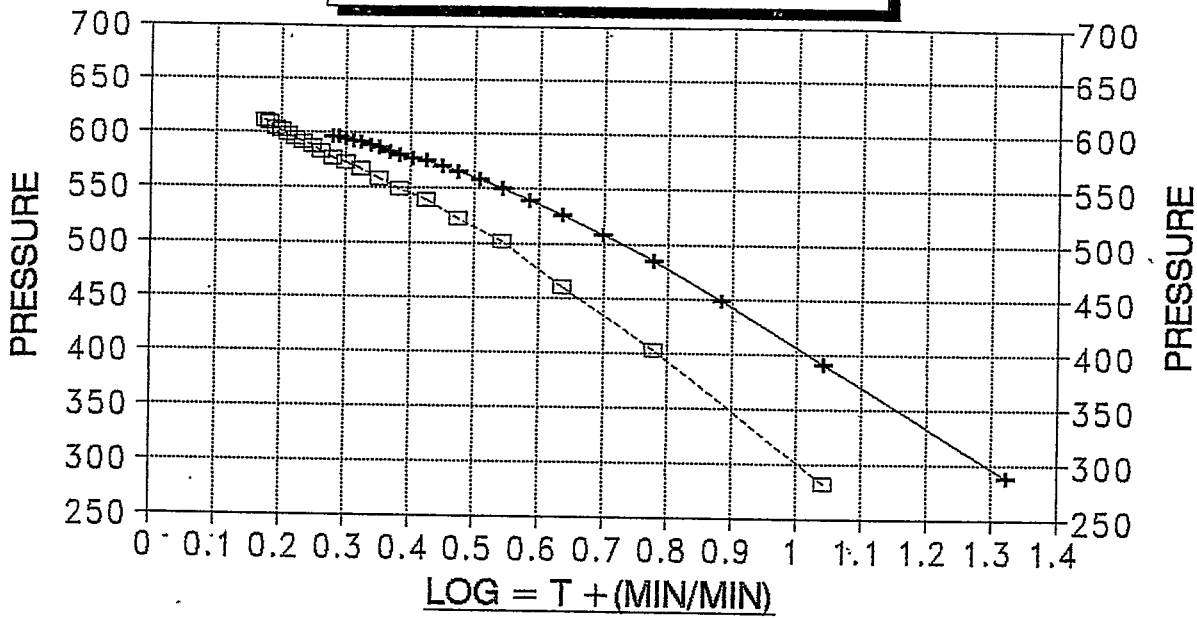
TIME(MIN)	Pws (psi)	Horn T	Log Horn T	<> PRESSURE
3	287.9	21	1.322	287.9
6	390.8	11	1.041	102.9
9	448.8	8	0.885	58.0
12	484.9	6	0.778	36.1
15	508.6	5	0.699	23.7
18	526.0	4	0.637	17.4
21	539.1	4	0.586	13.1
24	550.1	4	0.544	11.0
27	558.2	3	0.508	8.1
30	565.2	3	0.477	7.0
33	570.2	3	0.450	5.0
36	574.2	3	0.426	4.0
39	577.2	3	0.405	3.0
42	579.2	2	0.385	2.0
45	582.2	2	0.368	3.0
48	586.2	2	0.352	4.0
51	589.2	2	0.338	3.0
54	591.2	2	0.325	2.0
57	592.2	2	0.312	1.0
60	594.2	2	0.301	2.0
63	595.2	2	0.291	1.0
66	596.2	2	0.281	1.0

X

X

HORNER PLOT

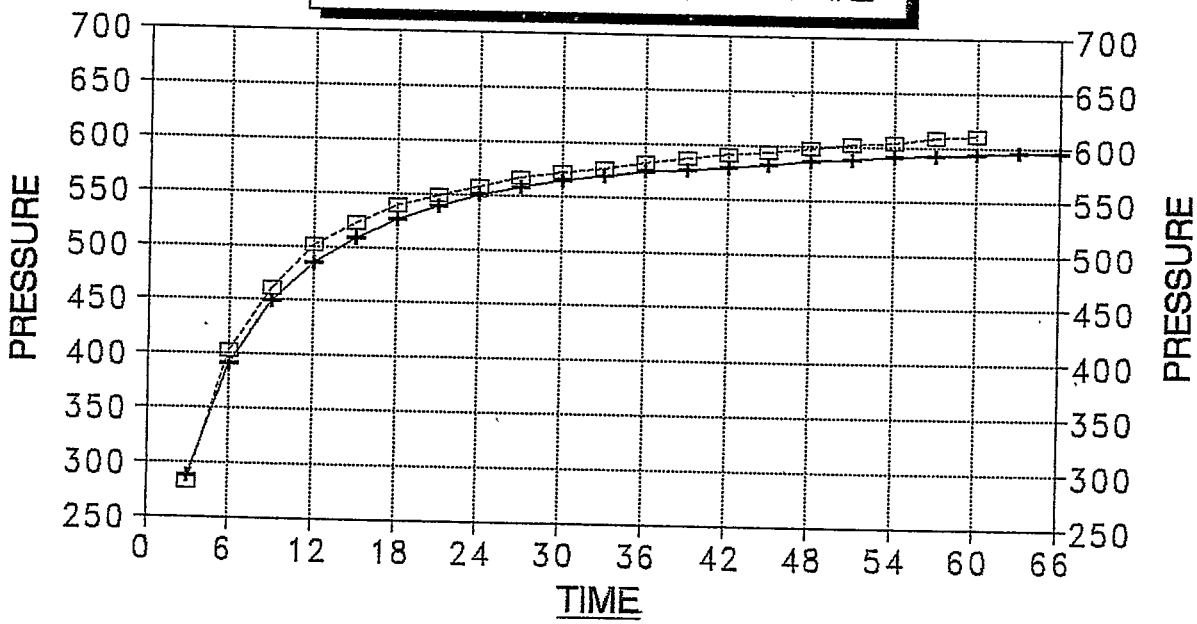
FOSTER #3-18 / DST #2



INITIAL FINAL

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FOSTER #3-18 / DST #2



INITIAL FINAL

Test Ticket

No. 4012

Well & No. Foster #3-18 Test No. 2 Date 11-1-91
 by Lebsack Oil Production, Inc. Zone Tested Morrow Sand
P.O. Box 489 Hays, KS 67601 Elevation 3054 (KB)
 Geo. Steve McClain/Wayne Lebsack cont. Abercrombie #8 Est. Ft. of Pay _____
 Sec. 18 Twp. 21 S Rge. 34 W Co. Finney State KS
 Copies _____ Distribution Sheet _____ Yes No Turnkey Yes _____ No YES Evaluation

Tested 4785 - 4865 Drill Pipe Size 4 1/2" XH
 Length 80' Top Choke - 1" _____ Bottom Choke - 3/4" _____
 True Depth 4780 - 4785 Hole Size - 7 7/8" _____ Rubber Size - 6 3/4" _____
 Casing Depth 4865 Wt. Pipe I.D. - 2.7 Ft. Run 440'
 Depth (RTD) 4980 Drill Collar - 2.25 Ft. Run 60'
9.4 lb/gal. Viscosity 51 Filtrate 10.4

Time @ 8:45 pm Initial Blow Weak surface blow built to 2" blow
mins. then stayed steady. ISI: Bled off blow - No return.
 Remarks Steady surface blow throughout.

Total Feet	Feet of Gas in Pipe	Flush Tool?
<u>390'</u>		<u>No</u>
Feet Of	%gas	%oil
Feet Of	%gas	%oil
<u>390'</u>	<u>SOCM</u>	<u>10</u>
Feet Of	%gas	%oil
Feet Of	%gas	%oil

116 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 @ _____ °F Chlorides _____ ppm Recovery Chlorides 8,000 ppm System

Hydrostatic Mud 2523 PSI AK1 Recorder No. 13339 Range 4025
 Initial Flow Pressure 114 PSI @ (depth) 4788 w/Clock No. 30418
 Final Flow Pressure 166 PSI AK1 Recorder No. 13615 Range 4575
 Initial Shut-In Pressure 589 PSI @ (depth) 4860 w/Clock No. 19960
 Final Initial Flow Pressure 187 PSI AK1 Recorder No. 13309 Range 4700
 Final Flow Pressure 228 PSI @ (depth) 4875 w/Clock No. 27566
 Initial Shut-In Pressure 559 PSI Initial Opening 30 Test 550.00
 Hydrostatic Mud 2403 PSI Initial Shut-In 60 Jars 200.00

TESTING COMPANY SHALL NOT BE LIABLE FOR DAMAGE OF 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 OPINION CONCERNING THE RESULTS OF ANY TEST. COST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Tested By K & M
 Representative Rod Steinbrink

Final Flow 30 Safety Joint 50.00
 Final Shut-In 60 Straddle 250.00
 Circ. Sub N/C
 Sampler _____
 Extra Packer _____
 Evaluate 25.00
 Other _____
 TOTAL PRICE \$ 11075.00