



TEST REPORT

(303) 473-6909
P.O. Box 2260
Colorado Springs, CO 80901

MAY 18 1981

Company Foxfire Exp. Inc. Test Ticket No. 713
Date 2/21/81
Company Address 1103 Douglas Bldg. - Wichita, KS No. of Charts 5
Location: Sec. 33 Twp. 11 Rge. 22 Co. Trego State Kansas
Well Name And Number Flagler #3 Tester Darwin Dykema
Contractor Abercrombie Rig No. #6 Co. Rep. Roger Haag

Formation Lansing Zone _____ Type of Test Conventional

DST# 1 Interval 3,574 To 3,660 Total Depth 3,660
Open 60 Shut In 60 Open 60 Shut In 60
Packer(s) Set 2:58 Started off Bottom 7:00 XX
PM
Blow 1st Open: Strong blow off bottom of bucket in 60 min.
2nd Open: Strong blow off bottom of bucket in 45 min.

Recovery Total Feet 282
Recovered 30 Ft. of Slightly oil cut mud.
Recovered 252 Ft. of Heavy gassy oil cut mud.
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Gravity (Oil) _____ Corrected To Temp. _____ Water Chlorides _____

Pressures & Temp. Initial Hydrostatic Pressure 1,807 Final Hydrostatic Pressure 1,784
Initial Closed In Pressure 1,123 Final Closed In Pressure 1,066
Initial Flow Pressure 81 To 81 Final Flow Pressure 173 To 173
Test Area Temperature 108
(Office Reading If Applicable)

Engineering Date Elevation 2,351 K. B.
Mud Viscosity 35 Mud Weight 9.5 + Water Loss 13.6
Chlorides 25,000 P.P.M. Type of Mud Starch Anchor Length 28
Hole Size 7 7/8 Casing Size 8 5/8 Surface Choke 3/4 Bottom Choke 3/4
Drill Pipe Length 3,254 I.D. 3.8 In. Weight Pipe Length 315 I.D. 2.76 In.
Drill Collar Length _____ I.D. _____ In.
Top Packer Depth. 3,569 Bottom Packer Depth. 3,574 Packer Size 6 3/4
Test Tool Size 5 1/2 In. Tool Joint Size 4 1/2 XH _____ In.
Did Well Flow No Reversed Out No
Recorder Type and No. Kuster #10994 Clock Range No. #16067 12 Hr.
Recorder Type and No. Kuster #13251 Clock Range No. #14074 12 Hr.
Extra Equipment None
Remarks Open Hole Test - Read Bottom chart.

Thank-you

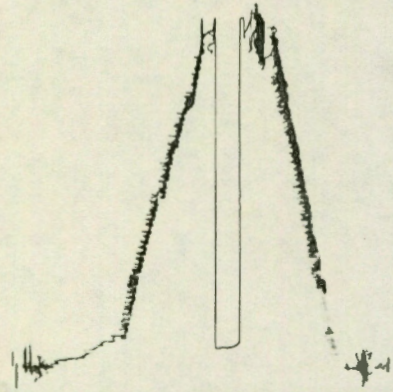
Price of Job \$660.00

Crude Oil Testing, Inc. shall not be liable for damages of any kind to property or injury to person(s) directly or indirectly by its operations conducted in the performance of this contract, nor be liable for loss sustained as a result of statements or actions furnished by it. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is conducted.

Test Approved By _____
Customer or His Authorized Representative

Crude Oil Testing, Inc. _____

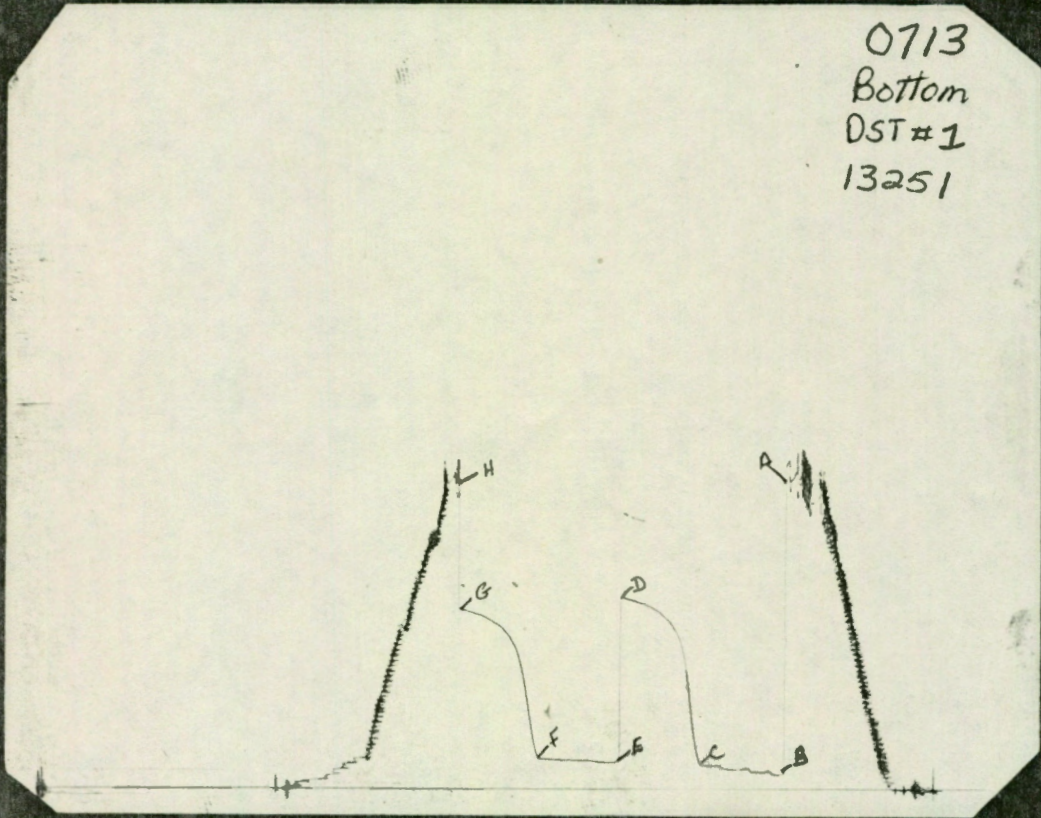
0.713
 Top
 DST #1
 10994



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1,807	1,866	PSI
(B) First Initial Flow Pressure	81	85	PSI
(C) First Final Flow Pressure	81	135	PSI
(D) Initial Closed-in Pressure	1,123	1,124	PSI
(E) Second Initial Flow Pressure	173	161	PSI
(F) Second Final Flow Pressure	173	178	PSI
(G) Final Closed-in Pressure	1,066	1,058	PSI
(H) Final Hydrostatic Mud	1,784	1,829	PSI

0713
 Bottom
 DST#1
 13251



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	PSI
(B) First Initial Flow Pressure	PSI
(C) First Final Flow Pressure	PSI
(D) Initial Closed-in Pressure	PSI
(E) Second Initial Flow Pressure	PSI
(F) Second Final Flow Pressure	PSI
(G) Final Closed-in Pressure	PSI
(H) Final Hydrostatic Mud	PSI



TEST REPORT

(303) 473-6909
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Colorado Springs, CO 80901

MAY 18 1981

Company Foxfire Exp. Inc. Test Ticket No. 714
Date 2/22/81
Company Address 1103 Douglas Bldg. - Wichita No. of Charts 5
Location: Sec. 33 Twp. 11 Rge. 22 Co. Trego State Kansas
Well Name And Number Flagler #3 Tester Darwin Dykema
Contractor Abercrombie Rig No. #6 Co. Rep. Roger Haag

Formation Lansing Zone _____ Type of Test Conventional

DST# 2 Interval 3,681 To 3,707 Total Depth 3,707
Open 60 Shut In 60 Open 60 Shut In 60
Packer(s) Set 1:13 Started off Bottom 5:15
Blow 1st Open: No blow, 2nd Open: No blow, flushed tool, good surge, No blow

Recovery Total Feet 64
Recovered 64 Ft. of Slightly oil cut mud.
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Gravity (Oil) _____ Corrected To Temp. _____ Water Chlorides _____

Pressures & Temp. Initial Hydrostatic Pressure 1,834 Final Hydrostatic Pressure 1,813
Initial Closed In Pressure 744 Final Closed In Pressure 595
Initial Flow Pressure 32 To 32 Final Flow Pressure 53 To 53
Test Area Temperature 112

Engineering Date Elevation 2,351 K. B.
Mud Viscosity 60 Mud Weight 9.5 Water Loss 9.6
Chlorides 25,000 P.P.M. Type of Mud Starch Anchor Length 26
Hole Size 7 7/8 Casing Size 8 5/8 Surface Choke 3/4 Bottom Choke 3/4
Drill Pipe Length 3,361 I.D. 3.8 In. Weight Pipe Length 315 I.D. 2.76 In.
Drill Collar Length _____ I.D. _____ In.
Top Packer Depth. 3,676 Bottom Packer Depth. 3,681 Packer Size 6 3/4
Test Tool Size 5 1/2 In. Tool Joint Size 4 1/2 XH In.
Did Well Flow No Reversed Out No
Recorder Type and No. Kuster 10994 Clock Range No. #19124 12 Hr.
Recorder Type and No. Kuster #13251 Clock Range No. #14074 12 Hr.
Extra Equipment None
Remarks Open Hole Test

Thank-you

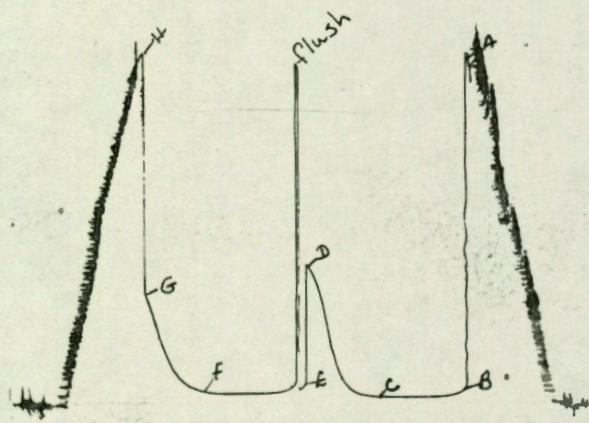
Price of Job \$660.00

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Customer or His Authorized Representative

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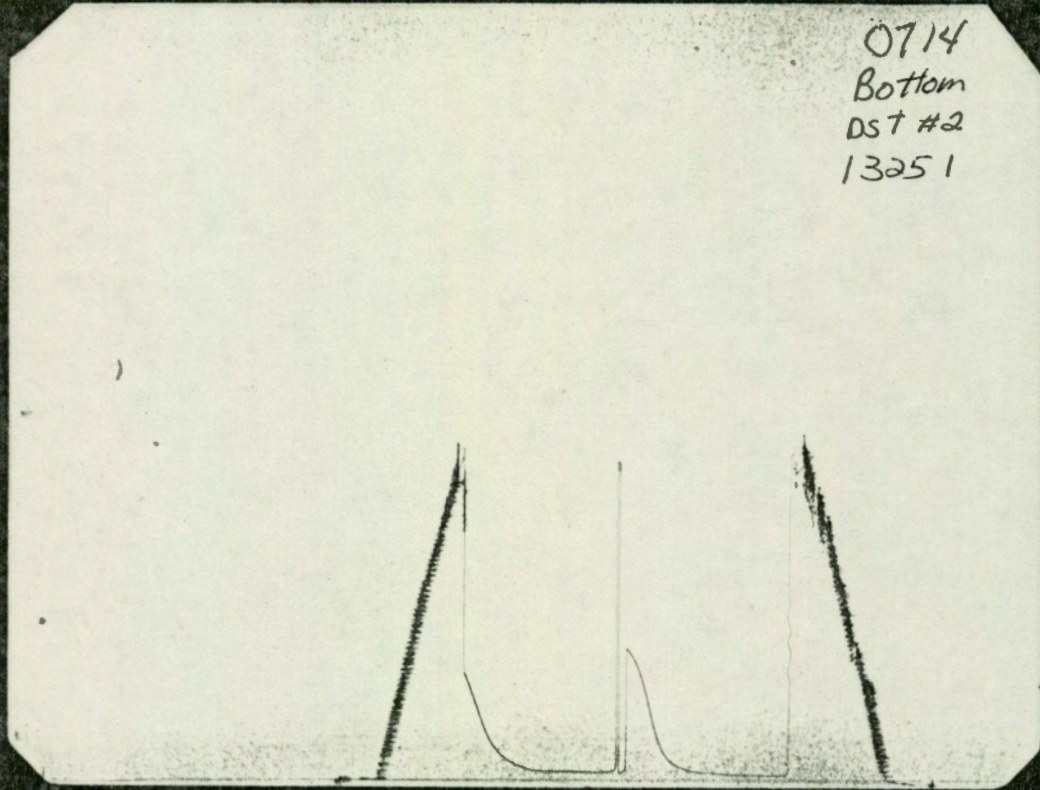
0714
 Top
 OST#2
 10994



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1,834	1,904	PSI
(B) First Initial Flow Pressure	32	28	PSI
(C) First Final Flow Pressure	32	31	PSI
(D) Initial Closed-in Pressure	744	728	PSI
(E) Second Initial Flow Pressure	53	49	PSI
(F) Second Final Flow Pressure	53	49	PSI
(G) Final Closed-in Pressure	595	583	PSI
(H) Final Hydrostatic Mud	1,813	1,904	PSI

0714
 Bottom
 DST #2
 13251



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	PSI
(B) First Initial Flow Pressure	PSI
(C) First Final Flow Pressure	PSI
(D) Initial Closed-in Pressure	PSI
(E) Second Initial Flow Pressure	PSI
(F) Second Final Flow Pressure	PSI
(G) Final Closed-in Pressure	PSI
(H) Final Hydrostatic Mud	PSI

CRUDE OIL TESTING COMPANY

P.O. Box 2260
Colorado Springs, Colorado 80901
(303) 473-6909

Date 2/22/81

Test Ticket No. 714

Recorder No. Kuster AK-1 #10994 Capacity 4,200 PSI Location 3,697 Ft.

Block No. 19124 Elevation 2,351 K. B. Well Temperature 112 °F

Point	Pressure			Field Time		Time Computed	
1 Initial Hydrostatic Mud	1,904	P.S.I.	Open Tool	1:15	P	M	
2 First Initial Flow Pressure	28	P.S.I.	First Flow Pressure	60	Mins.		Mins.
3 First Final Flow Pressure	31	P.S.I.	Initial Closed-in Pressure	60	Mins.		Mins.
4 Initial Closed-in Pressure	728	P.S.I.	Second Flow Pressure	60	Mins.		Mins.
5 Second Initial Flow Pressure	49	P.S.I.	Final Closed-in Pressure	60	Mins.	55	Mins.
6 Second Final Flow Pressure	49	P.S.I.					
7 Final Closed-in Pressure	583	P.S.I.					
8 Final Hydrostatic Mud	1,094	P.S.I.					

PRESSURE BREAKDOWN

Point mins.	First Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u> </u> Min.		Initial Shut-In Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u> </u> Min.		Second Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u> </u> Min.		Final Shut-In Breakdown: <u>11</u> Inc. of <u>5</u> mins. and a final inc. of <u> </u> Min.	
	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
1 00	28	00	31	00	49	00	49	
2 05	29	05	31	05	49	05	49	
3 10	31	10	31	10	49	10	55	
4 15	31	15	31	15	49	15	62	
5 20	31	20	38	20	49	20	78	
6 25	31	25	55	25	49	25	103	
7 30	31	30	78	30	49	30	140	
8 35	31	35	124	35	49	35	196	
9 40	31	40	215	40	49	40	277	
10 45	31	45	364	45	49	45	385	
11 50	31	50	537	50	49	50	492	
12 55	31	55	652	55	49	55	583	
13 60	31	60	728	60	49			
P14								
P15								
P16								
P17								
P18								
P19								
P20								



TEST REPORT

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Colorado Springs, CO 80901

MAY 18 1981

Company Foxfire Exp. Inc. Test Ticket No. 1001
Date 2/23/81
Company Address 1103 Douglas Bldg. - Wichita No. of Charts 5
Location: Sec. 33 Twp. 11 Rge. 22 Co. Trego State Kansas
Well Name And Number Flagler #3 Tester Darwin Dykema
Contractor Abercrombie Rig No. #6 Co. Rep. Roger Haag

Formation Lansing - K. C. Zone J - K Type of Test Conventional

DST# 3 Interval 3,783 To 3,850 Total Depth 3,850
Open 30 Shut In 30 Open 30 Shut In 30
Packer(s) Set 3:13 Started off Bottom 5:15
Blow 1st Open: No blow. 2nd Open: No blow, flushed tool, good surge, no blow.

Recovery Total Feet 20
Recovered 20 Ft. of Drilling mud.
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Gravity (Oil) _____ Corrected To Temp. _____ Water Chlorides _____

Pressures & Temp. Initial Hydrostatic Pressure 1,855 Final Hydrostatic Pressure 1,834
Initial Closed In Pressure 1,030 Final Closed In Pressure 987
Initial Flow Pressure 53 To 53 Final Flow Pressure 64 To 64
Test Area Temperature 109
(Office Reading If Applicable)

Engineering Date Elevation 2,351 K. B.
Mud Viscosity 43 Mud Weight 9.6 Water Loss 12.8
Chlorides 25,000 P.P.M. Type of Mud Starch Anchor Length 36
Hole Size 7 7/8 Casing Size 8 5/8 Surface Choke 3/4 Bottom Choke 3/4
Drill Pipe Length 3,468 I.D. 3.8 In. Weight Pipe Length 315 I.D. 2.76 In.
Drill Collar Length _____ I.D. _____ In.
Top Packer Depth. 3,778 Bottom Packer Depth. 3,783 Packer Size 6 3/4
Test Tool Size 5 1/2 In. Tool Joint Size 4 1/2 XH In.
Did Well Flow No Reversed Out No
Recorder Type and No. Kuster #10994 Clock Range No. #19124 12 Hr.
Recorder Type and No. Kuster #13251 Clock Range No. #14074 12 Hr.
Extra Equipment None
Remarks Open Hole Test

Thank-you

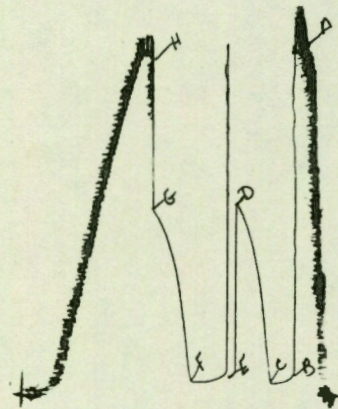
Price of Job \$660.00

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Test Approved By _____
Customer or His Authorized Representative

Crude Oil Testing, Inc. _____

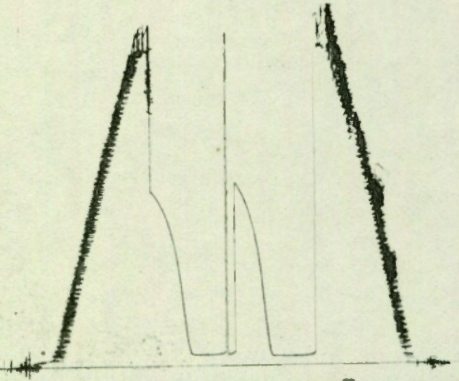
1001
 Top
 DST#3
 10994



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1,855	1,826	PSI
(B) First Initial Flow Pressure	53	60	PSI
(C) First Final Flow Pressure	53	60	PSI
(D) Initial Closed-in Pressure	1,030	1,025	PSI
(E) Second Initial Flow Pressure	64	69	PSI
(F) Second Final Flow Pressure	64	69	PSI
(G) Final Closed-in Pressure	987	964	PSI
(H) Final Hydrostatic Mud	1,834	1,824	PSI

1001
 Bottom
 OST# 3
 13251



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	PSI
(B) First Initial Flow Pressure	PSI
(C) First Final Flow Pressure	PSI
(D) Initial Closed-in Pressure	PSI
(E) Second Initial Flow Pressure	PSI
(F) Second Final Flow Pressure	PSI
(G) Final Closed-in Pressure	PSI
(H) Final Hydrostatic Mud	PSI

CRUDE OIL TESTING COMPANY

P.O. Box 2260
Colorado Springs, Colorado 80901
(303) 473-6909

Date 2/23/81 Test Ticket No. 1001
 Recorder No. Kuster AK-1 #10994 Capacity 4,200 PSI Location 3,840 Ft.
 Block No. 19124 Elevation 2,351 K. B. Well Temperature 109 °F

Point	Pressure		Field Time	Time Computed
Initial Hydrostatic Mud	<u>1,826</u> P.S.I.	Open Tool	<u>3:15</u> A M	
First Initial Flow Pressure	<u>60</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>20</u> Mins.
First Final Flow Pressure	<u>Clock Stopped 60</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>21</u> Mins.
Initial Closed-in Pressure	<u>1,025</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>32</u> Mins.
Second Initial Flow Pressure	<u>69</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>26</u> Mins.
Second Final Flow Pressure	<u>69</u> P.S.I.			
Final Closed-in Pressure	<u>964</u> P.S.I.			
Final Hydrostatic Mud	<u>1,824</u> P.S.I.			

PRESSURE BREAKDOWN

Point mins.	First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In			
	Breakdown: <u>3</u> Inc. of <u>5</u> mins. and a final inc. of <u> </u> Min.	Breakdown: <u>4</u> Inc. of <u>5</u> mins. and a final inc. of <u>1</u> Min.	Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>2</u> Min.	Breakdown: <u>5</u> Inc. of <u>5</u> mins. and a final inc. of <u>1</u> Min.			
	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
1 00	<u>60</u>	<u>00</u>	<u>60</u>	<u>00</u>	<u>69</u>	<u>00</u>	<u>69</u>
2 05	<u>60</u>	<u>05</u>	<u>93</u>	<u>05</u>	<u>69</u>	<u>05</u>	<u>395</u>
3 10	<u>60</u>	<u>10</u>	<u>630</u>	<u>10</u>	<u>69</u>	<u>10</u>	<u>634</u>
4 15	<u>60</u>	<u>15</u>	<u>808</u>	<u>15</u>	<u>69</u>	<u>15</u>	<u>781</u>
5 20	<u>clk. stopped</u>	<u>20</u>	<u>920</u>	<u>20</u>	<u>69</u>	<u>20</u>	<u>884</u>
6 25	<u>clk. stopped</u>	<u>21</u>	<u>1,025</u>	<u>25</u>	<u>69</u>	<u>25</u>	<u>964</u>
7 30	<u>"</u>			<u>30</u>	<u>69</u>	<u>26</u>	<u>964</u>
8				<u>32</u>	<u>69</u>		
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							



TEST REPORT

(303) 473-6909
P.O. Box 2260
Colorado Springs, CO 80901

MAY 18 1981

Company Foxfire Exp. Inc. Test Ticket No. 1002
Date 2/24/81
Company Address 1103 Douglas Bldg. - Wichita No. of Charts 5
Location: Sec. 33 Twp. 11 Rge. 22 Co. Trego State Kansas
Well Name And Number Flagler #3 Tester Darwin Dykema
Contractor Abercrombie Rig No. #6 Co. Rep. Roger Haag

Formation Marmaton Zone _____ Type of Test Conventional

DST# 4 Interval 3,938 To 3,976 Total Depth 3,976
Open 60 Shut In 60 Open 60 Shut In 60
Packer(s) Set 5:28 Started off Bottom 9:30
Blow 1st Open: Weak steady blow, 1/2" in bucket. 2nd Open: No blow, flushed tool, good surge, weak steady blow, 1/2" in bucket.

Recovery Total Feet 90
Recovered 90 Ft. of Gassy oil cut mud.
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Gravity (Oil) _____ Corrected To Temp. _____ Water Chlorides _____

Pressures & Temp. Initial Hydrostatic Pressure 2,068 Final Hydrostatic Pressure 2,046
Initial Closed In Pressure 415 Final Closed In Pressure 415
Initial Flow Pressure 43 To 43 Final Flow Pressure 64 To 64
Test Area Temperature 116

Engineering Date Elevation 2,351 K. B.
Mud Viscosity 45 Mud Weight 9.6 Water Loss 10.4
Chlorides 25,000 P.P.M. Type of Mud Starch Anchor Length 38
Hole Size 7 7/8 Casing Size 8 5/8 Surface Choke 3/4 Bottom Choke 3/4
Drill Pipe Length 3,623 I.D. 3.8 In. Weight Pipe Length 315 I.D. 2.76 In.
Drill Collar Length _____ I.D. _____ In.
Top Packer Depth. 3,933 Bottom Packer Depth. 3,938 Packer Size 6 3/4
Test Tool Size 5 1/2 In. Tool Joint Size 4 1/2 XH In.
Did Well Flow No Reversed Out No
Recorder Type and No. Kuster #10994 Clock Range No. #19124 12 Hr.
Recorder Type and No. Kuster #13251 Clock Range No. #14074 12 Hr.
Extra Equipment None
Remarks Open Hole Test

Thank-you

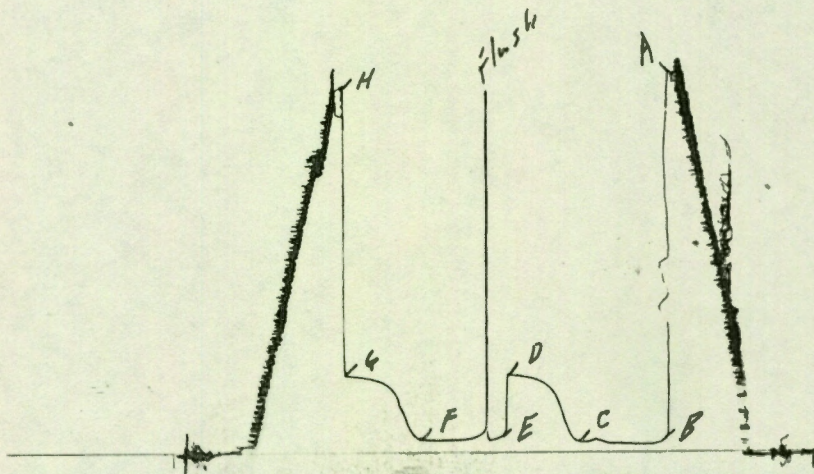
Price of Job \$660.00

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Test Approved By _____
Customer or His Authorized Representative

Crude Oil Testing, Inc. _____

1002
 Top
 DST#4
 10994



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2,068	2,072	PSI
(B) First Initial Flow Pressure	43	41	PSI
(C) First Final Flow Pressure	43	52	PSI
(D) Initial Closed-in Pressure	415	417	PSI
(E) Second Initial Flow Pressure	64	66	PSI
(F) Second Final Flow Pressure	64	68	PSI
(G) Final Closed-in Pressure	415	412	PSI
(H) Final Hydrostatic Mud	2,046	1,994	PSI

1002
 Bottom
 DST #4
 13251



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud		PSI
(B) First Initial Flow Pressure		PSI
(C) First Final Flow Pressure		PSI
(D) Initial Closed-in Pressure		PSI
(E) Second Initial Flow Pressure		PSI
(F) Second Final Flow Pressure		PSI
(G) Final Closed-in Pressure		PSI
(H) Final Hydrostatic Mud		PSI

CRUDE OIL TESTING COMPANY

P.O. Box 2260
Colorado Springs, Colorado 80901
(303) 473-6909

Date 2/24/81 Test Ticket No. 1002
Recorder No. Kuster AK-1 #10994 Capacity 4,200 PSI Location 3,966 Ft.
Clock No. 19124 Elevation 2,351 K. B. Well Temperature 116 °F

Point	Pressure		Field Time	Time Computed
A Initial Hydrostatic Mud	2,072	P.S.I.	5:30	P M
B First Initial Flow Pressure	41	P.S.I.	60	Mins. Mins.
C First Final Flow Pressure	52	P.S.I.	60	Mins. Mins.
D Initial Closed-in Pressure	417	P.S.I.	60	Mins. Mins.
E Second Initial Flow Pressure	66	P.S.I.	60	Mins. Mins.
F Second Final Flow Pressure	68	P.S.I.		
G Final Closed-in Pressure	412	P.S.I.		
H Final Hydrostatic Mud	1,994	P.S.I.		

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of _____ Min.		Initial Shut-In Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of _____ Min.		Second Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of _____ Min.		Final Shut-In Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of _____ Min.	
	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes
P 1 00	41	00	52	00	66	00	68	
P 2 05	41	05	54	05	66	05	72	
P 3 10	42	10	69	10	66	10	113	
P 4 15	42	15	134	15	66	15	198	
P 5 20	42	20	241	20	66	20	295	
P 6 25	42	25	322	25	66	25	345	
P 7 30	43	30	361	30	68	30	372	
P 8 35	44	35	383	35	68	35	387	
P 9 40	45	40	398	40	68	40	396	
P 10 45	46	45	405	45	68	45	402	
P 11 50	49	50	410	50	68	50	406	
P 12 55	52	55	414	55	68	55	411	
P 13 60	52	60	417	60	68	60	412	
P 14								
P 15								
P 16								
P 17								
P 18								
P 19								
P 20								

