CRUDE OIL TESTING INC.

TEST REPORT

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

Test Ticket No. 1921

Company A. Scott Ritchie Date 3-6-82
Company Address 125 North Market, #950 Wichita KS No. of Charts 5
Location: Sec. 12 Twp. 11S Rge. 23W Co. Trego State KS
Well Name And Number Griffith #D-2 Tester Bud O'Dell
Contractor Murfin Rig No. 16 Co. Rep. George Dent

Formation Lansing & Toronto Zone _____ Type of Test Conventional

DST# 1 Interval 3,447 To 3,511 Total Depth 3,511
Open 30 12:35 Shut In 30 Open 30 Shut In 30
Packer(s) Set 12:32 AM PM Started off Bottom 2:35 AM PM
Blow 1st Open - Weak blow, died in 13 minutes
2nd Open - No blow

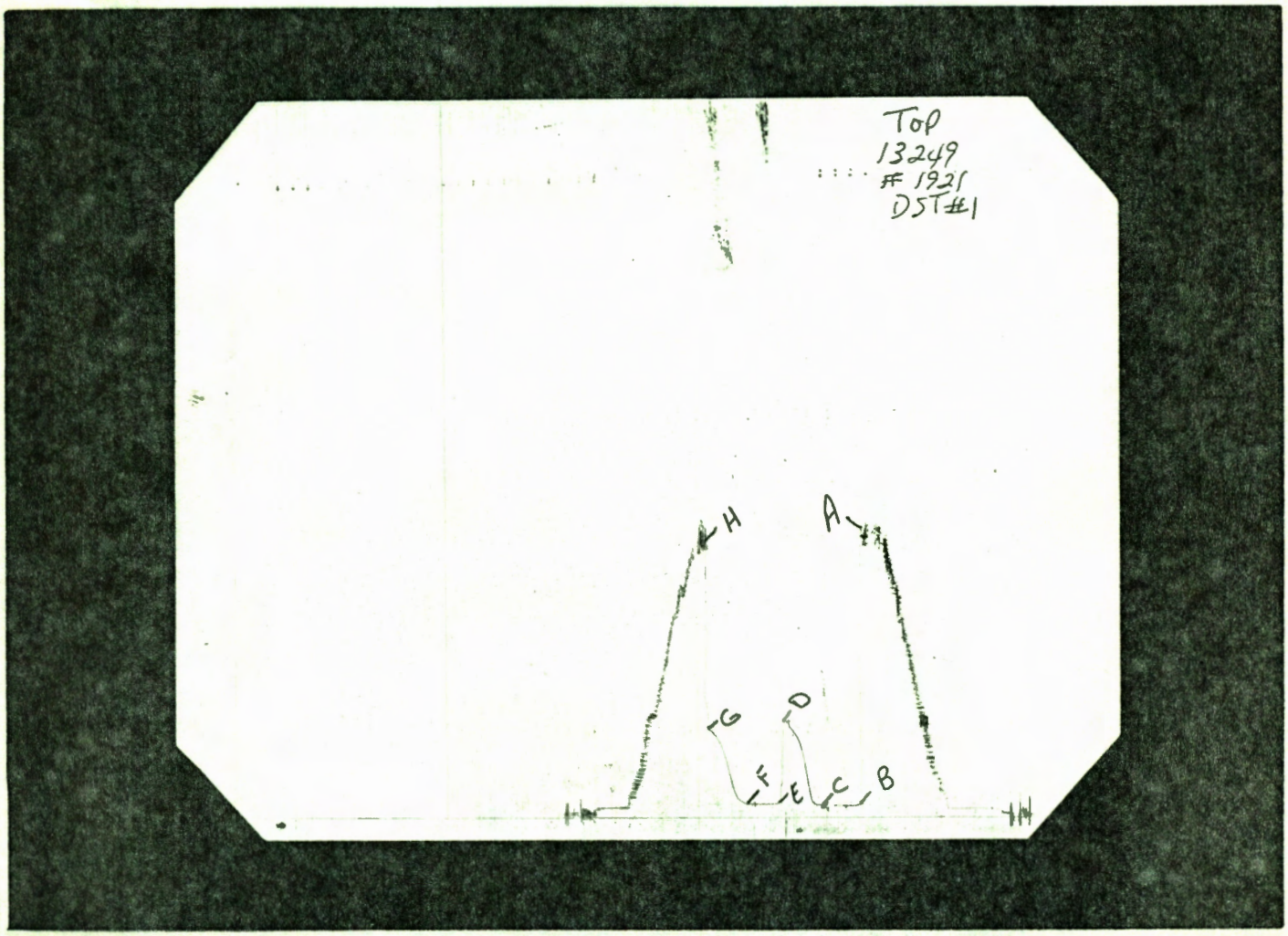
Recovery
Total Feet 50
Recovered 50 Ft. of Drilling mud with a few spots of oil in tool
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Gravity (Oil) _____ Corrected To Temp. _____ Water Chlorides _____

Pressures & Temp. (Office Reading If Applicable)
Initial Hydrostatic Pressure 1,857 Final Hydrostatic Pressure 1,834
Initial Closed In Pressure 611 Final Closed In Pressure 566
Initial Flow Pressure 57 To 68 Final Flow Pressure 68 To 68
Test Area Temperature 104

Engineering Date
Elevation 2,218 K.B.
Mud Viscosity 45 Mud Weight 9.7 Water Loss 7.4
Chlorides 23,000 P.P.M. Type of Mud Starch Anchor Length 64'
Hole Size 7 7/8 Casing Size 8 5/8 Surface Choke 3/4 Bottom Choke 3/4
Drill Pipe Length 2,840 I.D. 3.8 In. Weight Pipe Length 590 I.D. 2.76 In.
Drill Collar Length _____ I.D. _____ In.
Top Packer Depth. _____ Bottom Packer Depth. 3,447 Packer Size 6 3/4 x 30
Test Tool Size 5 1/2 In. Tool Joint Size 4 1/2 FH In.
Did Well Flow No Reversed Out No
Recorder Type and No. AK-1 13249 Clock Range No. 25108 12 Hr.
Recorder Type and No. AK-1 13250 Clock Range No. 25110 12 Hr.
Extra Equipment Single conventional packer
Remarks

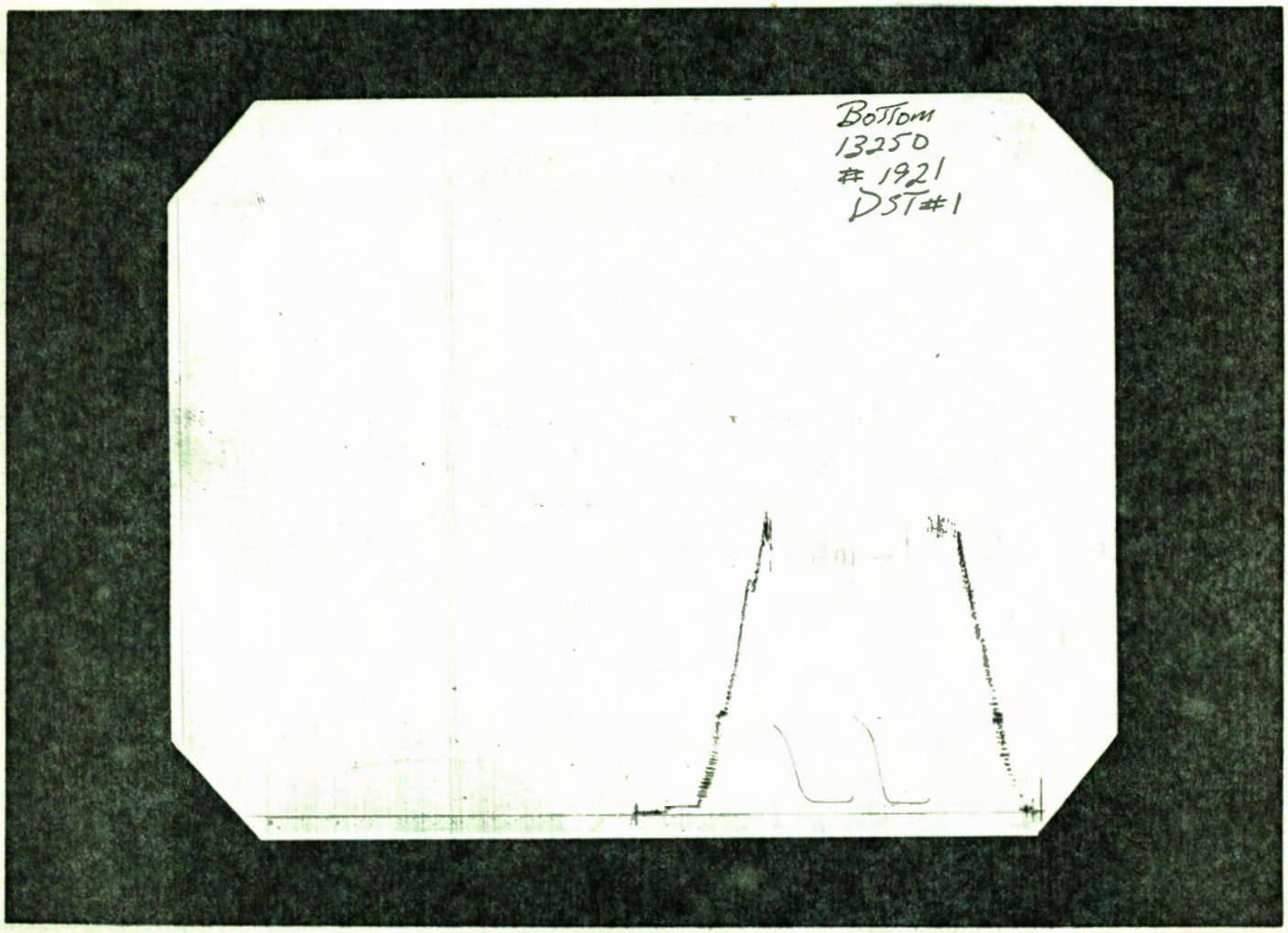
Open Hole Test. Thank You!

Price of Job $660.00



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1,857	1,845	PSI
(B)	First Initial Flow Pressure	57	74	PSI
(C)	First Final Flow Pressure	68	79	PSI
(D)	Initial Closed-in Pressure	611	620	PSI
(E)	Second Initial Flow Pressure	68	88	PSI
(F)	Second Final Flow Pressure	68	88	PSI
(G)	Final Closed-in Pressure	566	568	PSI
(H)	Final Hydrostatic Mud	1,834	1,763	PSI



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 3-6-82 Test Ticket No. 1921

Recorder No. Kuster AK-1 13249 Capacity 4,500 PSI Location 3,501 Ft.

Clock No. 25108 Elevation 2,218 K.B. Well Temperature 104 °F

Point		Pressure		Field Time	Time Computed
A	Initial Hydrostatic Mud	1,845	P.S.I.	Open Tool	12:35 AM
B	First Initial Flow Pressure	74	P.S.I.	First Flow Pressure	30 Mins. Mins.
C	First Final Flow Pressure	79	P.S.I.	Initial Closed-in Pressure	30 Mins. 32 Mins.
D	Initial Closed-in Pressure	620	P.S.I.	Second Flow Pressure	30 Mins. Mins.
E	Second Initial Flow Pressure	88	P.S.I.	Final Closed-in Pressure	30 Mins. Mins.
F	Second Final Flow Pressure	88	P.S.I.		
G	Final Closed-in Pressure	568	P.S.I.		
H	Final Hydrostatic Mud	1,763	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 6 Inc.		Breakdown: 6 Inc.		Breakdown: 6 Inc.		Breakdown: 6 Inc.	
of 5 mins. and a		of 5 mins. and a		of 5 mins. and a		of 5 mins. and a	
final inc. of Min.		final inc. of 2 Min.		final inc. of Min.		final inc. of Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	74	0	79	0	88	0	88
P 2 5	74	5	81	5	88	5	113
P 3 10	74	10	124	10	88	10	192
P 4 15	74	15	352	15	88	15	343
P 5 20	76	20	486	20	88	20	461
P 6 25	76	25	552	25	88	25	522
P 7 30	79	30	609	30	88	30	568
P 8		32	620				
P 9							
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TEST REPORT

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

Test Ticket No. 1922

Company A. Scott Ritchie Date 3-6-82
Company Address 125 North Market #950 Wichita KS No. of Charts 5
Location: Sec. 12 Twp. 11S Rge. 23W Co. Trego State KS
Well Name And Number Griffith #D-2 Tester Bud O'Dell
Contractor Murfin Rig No. 16 Co. Rep. George Dent

Formation Lansing Zone 35 & 50 Type of Test Conventional

DST# 2
Interval 3,515 To 3,555 Total Depth 3,555
Open 30 2:30 Shut In 60 Open 30 Shut In 60
Packer(s) Set 2:27 ~~A.M.~~ P.M. Started off Bottom 5:30 ~~A.M.~~ P.M.
Blow 1st Open - Good blow off bottom of bucket in 7 minutes
2nd Open - Good steady blow off bottom of bucket

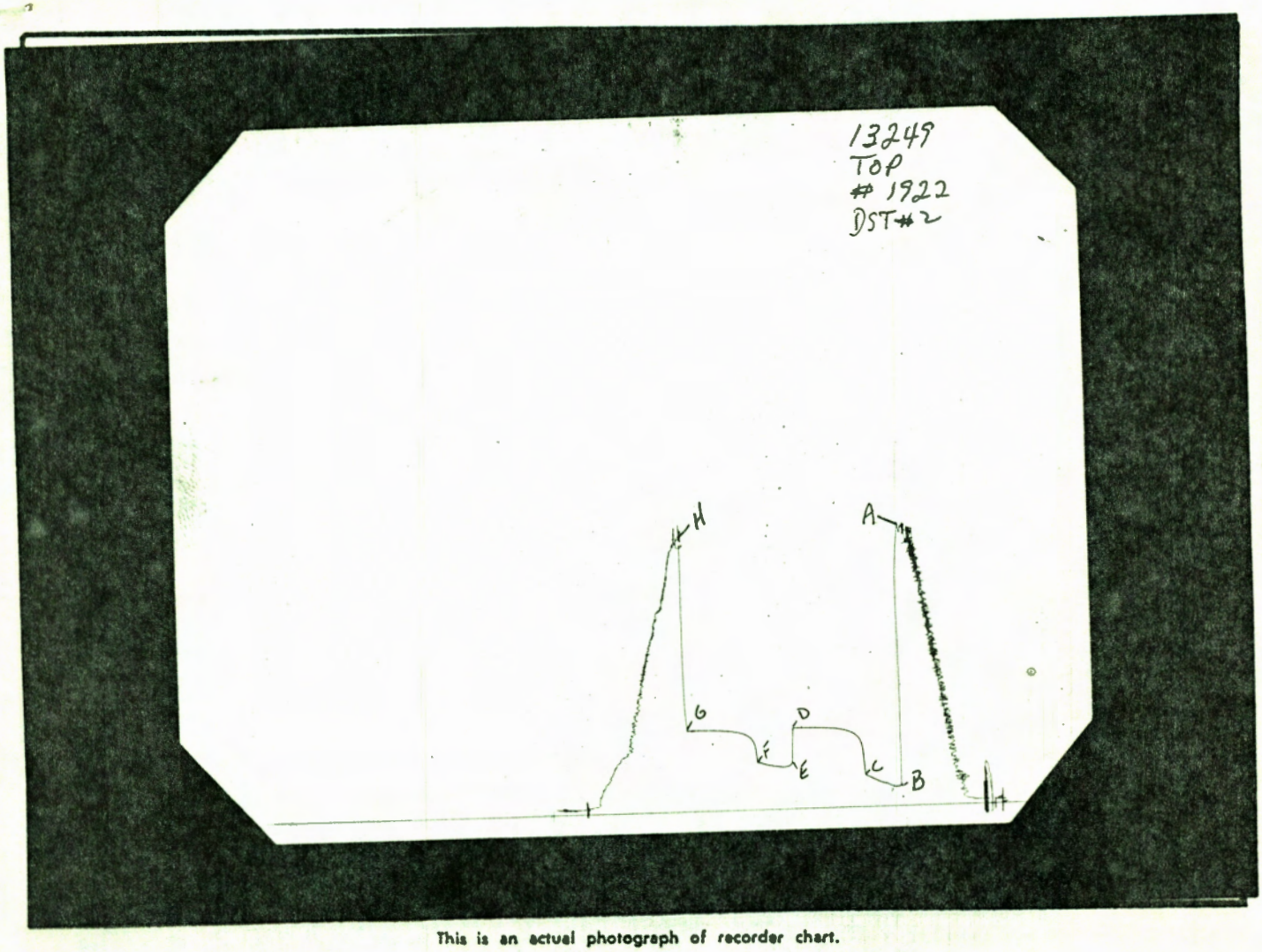
Recovery
Total Feet 570
Recovered 60 Ft. of Gas in pipe
Recovered 570 Ft. of Oil cut gassy muddy water
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Gravity (Oil) _____ Corrected To Temp. _____ Water Chlorides 67,000 PPM

Pressures & Temp. (Office Reading If Applicable)
Initial Hydrostatic Pressure 1,845 Final Hydrostatic Pressure 1,823
Initial Closed In Pressure 520 Final Closed In Pressure 520
Initial Flow Pressure 102 To 192 Final Flow Pressure 260 To 294
Test Area Temperature 106

Engineering Date
Elevation 2,218 K.B.
Mud Viscosity 42 Mud Weight 9.8 Water Loss 11.2
Chlorides 26,000 P.P.M. Type of Mud Starch Anchor Length 40'
Hole Size 7 7/8 Casing Size 8 5/8 Surface Choke 3/4 Bottom Choke 3/4
Drill Pipe Length 2,908 I.D. 3.8 In. Weight Pipe Length 590 I.D. 2.76 In.
Drill Collar Length _____ I.D. _____ In.
Top Packer Depth. _____ Bottom Packer Depth. 3,515 Packer Size 6 3/4 x 30
Test Tool Size 5 1/2 In. Tool Joint Size 4 1/2 FH In.
Did Well Flow No Reversed Out No
Recorder Type and No. AK-1 13249 Clock Range No. 25108 12 Hr.
Recorder Type and No. AK-1 13250 Clock Range No. 25110 12 Hr.
Extra Equipment Single conventional packer
Remarks

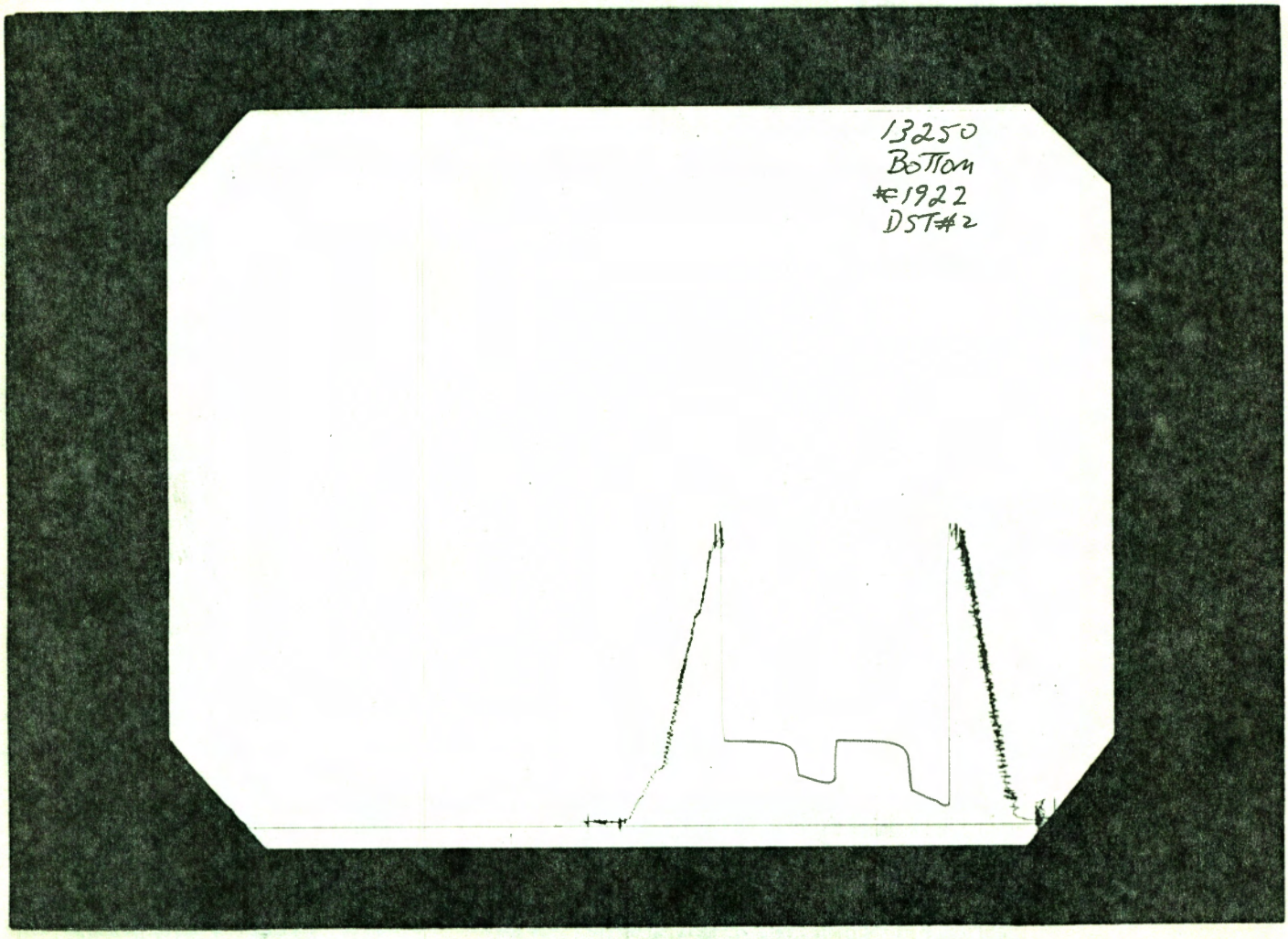
Open Hole Test. Thank You!

Price of Job $ 660.00



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1,845	1,850	PSI
(B)	First Initial Flow Pressure	102	131	PSI
(C)	First Final Flow Pressure	192	212	PSI
(D)	Initial Closed-in Pressure	520	538	PSI
(E)	Second Initial Flow Pressure	260	280	PSI
(F)	Second Final Flow Pressure	294	316	PSI
(G)	Final Closed-in Pressure	520	538	PSI
(H)	Final Hydrostatic Mud	1,823	1,815	PSI



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 3-6-82 Test Ticket No. 1922

Recorder No. Kuster AK-1 13249 Capacity 4,500 PSI Location 3,545 Ft.

Clock No. 25108 Elevation 2,218 K.B. Well Temperature 106 °F

Point		Pressure			Field Time	Time Computed
A	Initial Hydrostatic Mud	1,850	P.S.I.	Open Tool	2:30 A M	
B	First Initial Flow Pressure	131	P.S.I.	First Flow Pressure	30 Mins.	Mins.
C	First Final Flow Pressure	212	P.S.I.	Initial Closed-in Pressure	60 Mins.	Mins.
D	Initial Closed-in Pressure	538	P.S.I.	Second Flow Pressure	30 Mins.	Mins.
E	Second Initial Flow Pressure	280	P.S.I.	Final Closed-in Pressure	60 Mins.	57 Mins.
F	Second Final Flow Pressure	316	P.S.I.			
G	Final Closed-in Pressure	538	P.S.I.			
H	Final Hydrostatic Mud	1,815	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 6 Inc.		Breakdown: 12 Inc.		Breakdown: 6 Inc.		Breakdown: 11 Inc.	
of 5 mins. and a		of 5 mins. and a		of 5 mins. and a		of 5 mins. and a	
final inc. of Min.		final inc. of Min.		final inc. of Min.		final inc. of 2 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	131	0	212	0	280	0	316
P 2 5	131	5	454	5	280	5	479
P 3 10	144	10	493	10	280	10	506
P 4 15	158	15	511	15	287	15	518
P 5 20	174	20	520	20	294	20	525
P 6 25	194	25	527	25	307	25	531
P 7 30	212	30	531	30	316	30	534
P 8		35	531			35	534
P 9		40	538			40	538
P10		45	538			45	538
P11		50	538			50	538
P12		55	538			55	538
P13		60	538			57	538
P14							
P15							
P16							
P17							
P18							
P19							
P20							

DRILL STEM TEST RECOVERY ANALYSIS

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

COMPANY: A. Scott Ritchie LEASE: Griffith #D-2 DST# 2
SEC: 12 Twp: 11S Rge: 23W COUNTY: Trego STATE: KS

VISUAL DST RECOVERY: 570' Oil cut gassy muddy water

CENTRIFUGE PERCENTAGE ANALYSIS

ample #	Feet of FLUID	Percent of GAS	Percent of OIL	Percent of WATER	Percent of MUD
1	30	20	20	42	18
2	120	20	20	42	18
3	60	25	20	50	5
4	60	5	5	85	5
5	60	20	20	53	7
6	60	22	20	53	5
7	60	17	9	64	10
8	60	8	6	76	10
9	60	6	6	78	10

CALCULATED FLUID RECOVERY FROM PERCENTAGES

(Formula for Calculation)

Percent of individual fluid × Total footage represented in sample

AM-PLE #	TOTAL FOOT-AGE	GAS					OIL					WATER					MUD				
		%	×	Total	=	Feet	%	×	Total	=	Feet	%	×	Total	=	Feet	%	×	Total	=	Feet
1	30	20	×	30	=	6	20	×	30	=	6	42	×	30	=	12.6	18	×	30	=	5.4
2	120	20	×	120	=	24	20	×	120	=	24	42	×	120	=	50.4	18	×	120	=	21.6
3	60	25	×	60	=	15	20	×	60	=	12	50	×	60	=	30	5	×	60	=	3
4	60	5	×	60	=	3	5	×	60	=	3	85	×	60	=	51	5	×	60	=	3
5	60	20	×	60	=	12	20	×	60	=	12	53	×	60	=	31.8	7	×	60	=	4.2
6	60	22	×	60	=	13.2	20	×	60	=	12	53	×	60	=	31.8	5	×	60	=	3
7	60	17	×	60	=	10.2	9	×	60	=	5.4	64	×	60	=	38.4	10	×	60	=	6
8	60	8	×	60	=	4.8	6	×	60	=	3.6	76	×	60	=	45.6	10	×	60	=	6
9	60	6	×	60	=	3.6	6	×	60	=	3.6	78	×	60	=	46.8	10	×	60	=	6
			×		=			×		=			×		=			×		=	
			×		=			×		=			×		=			×		=	
			×		=			×		=			×		=			×		=	
			×		=			×		=			×		=			×		=	
			×		=			×		=			×		=			×		=	
otals		91.8					81.6					338.4					58.2				

CALCULATED DST RECOVERY =

GAS	91.8
OIL	81.6
WTR	338.4
MUD	58.2
TOTAL FLUID	570'

CHLORIDES MUD SYSTEM 26,000 PPM
CHLORIDES DST WATER
GRAVITY OF OIL

CRUDE OIL TESTING INC.

TEST REPORT

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

Test Ticket No. 1923

Company A. Scott Ritchie Date 3-7-82
Company Address 125 N. Market, Suite 950 Wichita KS No. of Charts 5
Location: Sec. 12 Twp. 11S Rge. 23W Co. Trego State KS
Well Name And Number Griffith #D-2 Tester Bud O'Dell
Contractor Murfin Rig No. 16 Co. Rep. George Dent

Formation Lansing Zone 50' Type of Test Conventional

DST# 3 Interval 3,534 To 3,555 Total Depth 3,555
Open 30 2:25 Shut In 60 Open 30 Shut In 60
Packer(s) Set 2:22 A.M. P.M. Started off Bottom 5:25 A.M. P.M.
Blow 1st Open - Weak blow, 2" in bucket
2nd Open - Weak steady blow, 2" in bucket

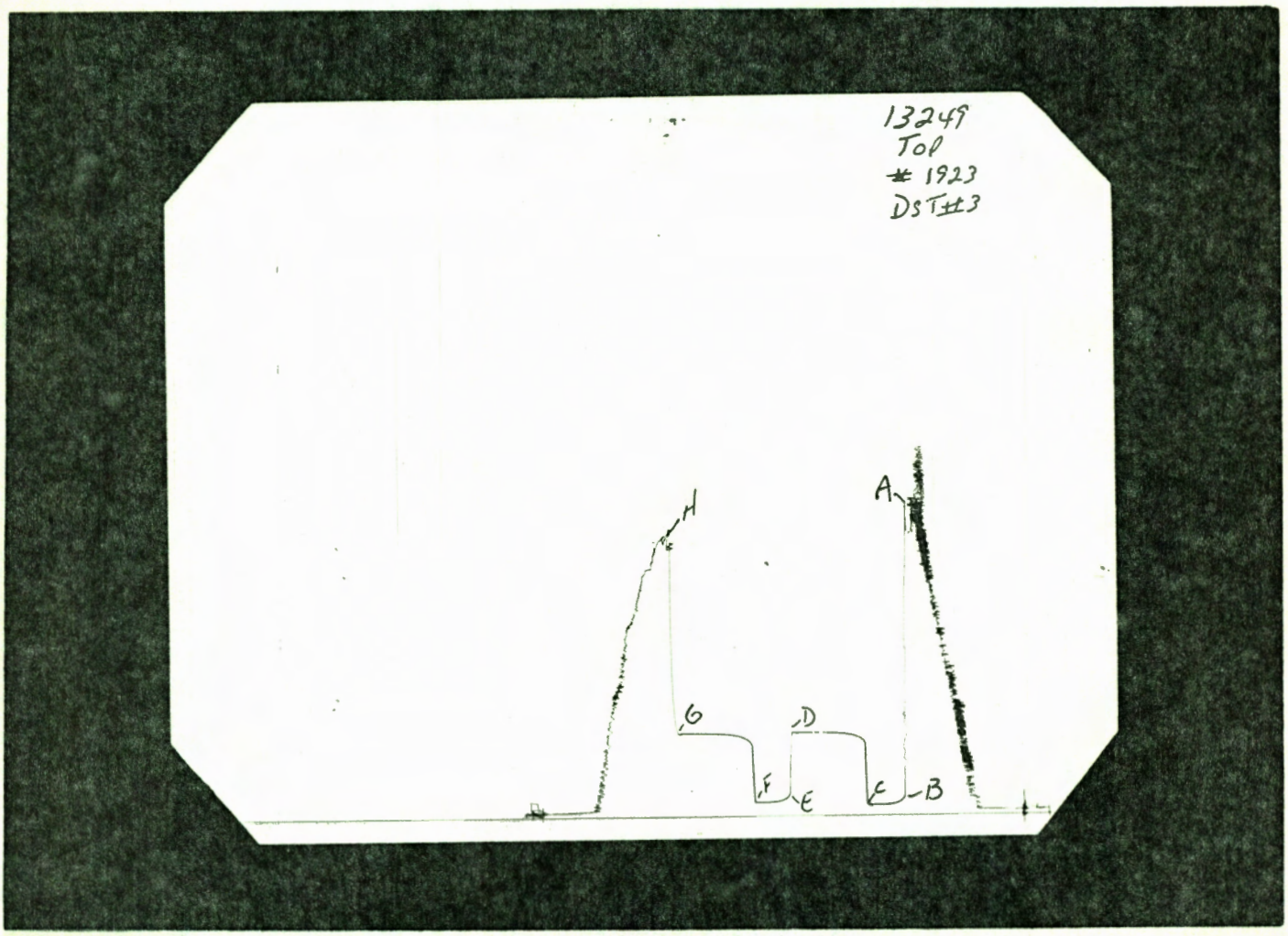
Recovery
Total Feet 65
Recovered 65 Ft. of Very slightly oil cut muddy water
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Gravity (Oil) _____ Corrected To Temp. _____ Water Chlorides 54,000 PPM

Pressures & Temp. (Office Reading If Applicable)
Initial Hydrostatic Pressure 1,845 Final Hydrostatic Pressure 1,823
Initial Closed In Pressure 520 Final Closed In Pressure 520
Initial Flow Pressure 68 To 68 Final Flow Pressure 68 To 68
Test Area Temperature 106

Engineering Date
Elevation 2,218 K.B.
Mud Viscosity 42 Mud Weight 9.8 Water Loss 11.2
Chlorides 26,000 P.P.M. Type of Mud Starch Anchor Length 21'
Hole Size 7 7/8 Casing Size 8 5/8 Surface Choke 3/4 Bottom Choke 3/4
Drill Pipe Length 2,927 I.D. 3.8" In. Weight Pipe Length 590' I.D. 2.76" In.
Drill Collar Length _____ I.D. _____ In.
Top Packer Depth. _____ Bottom Packer Depth. 3,534 Packer Size 6 3/4 x 30"
Test Tool Size 5 1/2 In. Tool Joint Size 4 1/2 FH In.
Did Well Flow No Reversed Out No
Recorder Type and No. AK-1 13249 Clock Range No. 25108 12 Hr.
Recorder Type and No. AK-1 13250 Clock Range No. 25110 12 Hr.
Extra Equipment Single conventional packer
Remarks

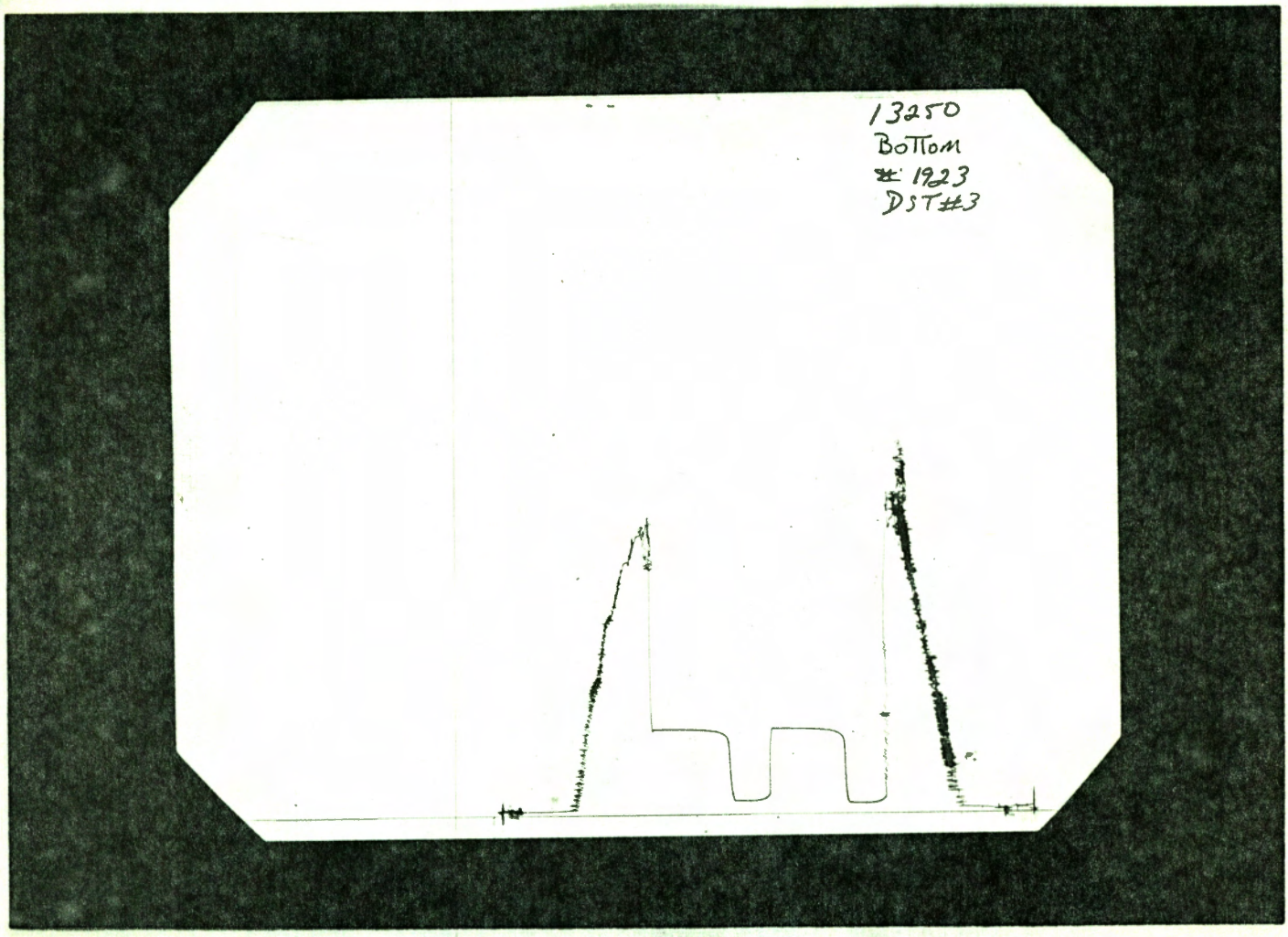
Open Hole Test. Thank You!

Price of Job $660.00



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1,845	1,975	PSI
(B)	First Initial Flow Pressure	68	65	PSI
(C)	First Final Flow Pressure	68	65	PSI
(D)	Initial Closed-in Pressure	520	531	PSI
(E)	Second Initial Flow Pressure	68	90	PSI
(F)	Second Final Flow Pressure	68	90	PSI
(G)	Final Closed-in Pressure	520	534	PSI
(H)	Final Hydrostatic Mud	1,823	1,809	PSI



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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 3-7-82 Test Ticket No. 1923

Recorder No. Kuster AK-1 13249 Capacity 4,500 PSI Location 3,545 Ft.

Clock No. 25108 Elevation 2,218 K.B. Well Temperature 106 °F

Point		Pressure			Field Time	Time Computed
A	Initial Hydrostatic Mud	1,975	P.S.I.	Open Tool	2:25 AM	
B	First Initial Flow Pressure	65	P.S.I.	First Flow Pressure	30 Mins.	Mins.
C	First Final Flow Pressure	65	P.S.I.	Initial Closed-in Pressure	60 Mins.	Mins.
D	Initial Closed-in Pressure	531	P.S.I.	Second Flow Pressure	30 Mins.	28 Mins.
E	Second Initial Flow Pressure	90	P.S.I.	Final Closed-in Pressure	60 Mins.	Mins.
F	Second Final Flow Pressure	90	P.S.I.			
G	Final Closed-in Pressure	534	P.S.I.			
H	Final Hydrostatic Mud	1,809	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 6 Inc.		Breakdown: 12 Inc.		Breakdown: 5 Inc.		Breakdown: 12 Inc.	
of 5 mins. and a		of 5 mins. and a		of 5 mins. and a		of 5 mins. and a	
final inc. of Min.		final inc. of Min.		final inc. of 3 Min.		final inc. of Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	65	0	65	0	90	0	90
P 2 5	65	5	488	5	90	5	479
P 3 10	65	10	506	10	90	10	506
P 4 15	65	15	518	15	90	15	518
P 5 20	65	20	522	20	90	20	525
P 6 25	65	25	525	25	90	25	527
P 7 30	65	30	527	28	90	30	529
P 8		35	527			35	529
P 9		40	529			40	531
P10		45	531			45	534
P11		50	531			50	534
P12		55	531			55	534
P13		60	531			60	534
P14							
P15							
P16							
P17							
P18							
P19							
P20							

DRILL STEM TEST
RECOVERY ANALYSIS

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

COMPANY: A. Scott Ritchie LEASE: Griffith #D-2 DST# 3
SEC: 12 Twp: 11S Rge: 23W COUNTY: Trego STATE: KS

VISUAL DST RECOVERY: 65' Very Slightly oil cut muddy water

CENTRIFUGE PERCENTAGE ANALYSIS

ample #	Feet of FLUID	Percent of GAS	Percent of OIL	Percent of WATER	Percent of MUD
1	5	32	2	30	36
2	60	14	1	35	50

CALCULATED FLUID RECOVERY FROM PERCENTAGES

(Formula for Calculation)

Percent of individual fluid × Total footage represented in sample

AM-PLE #	TOTAL FOOT-AGE	GAS %	×	Total	=	Feet	OIL %	×	Total	=	Feet	WATER %	×	Total	=	Feet	MUD %	×	Total	=	Feet
1	5	32	×	5	=	1.6	2	×	5	=	.1	30	×	5	=	1.5	36	×	5	=	1.8
2	60	14	×	60	=	8.4	1	×	60	=	.6	35	×	60	=	21	50	×	60	=	30
			×		=			×		=			×		=			×		=	
			×		=			×		=			×		=			×		=	
			×		=			×		=			×		=			×		=	
			×		=			×		=			×		=			×		=	
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			×		=			×		=			×		=			×		=	
			×		=			×		=			×		=			×		=	
Totals		10					.7					22.5					31.8				

CALCULATED DST RECOVERY =

CHLORIDES MUD SYSTEM 26,000 PPM
CHLORIDES DST WATER 54,000 PPM
GRAVITY OF OIL

GAS 10
OIL .7
WTR 22.5
MUD 31.8
TOTAL FLUID 65'

CRUDE OIL TESTING INC.

TEST REPORT

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

Test Ticket No. 1924

Company A. Scott Ritchie Date 3-7-82
Company Address 125 N. Market, Suite 950 Wichita No. of Charts 5
Location: Sec. 12 Twp. 11S Rge. 23W Co. Trego State KS
Well Name And Number Griffith #D-2 Tester Bud O'Dell
Contractor Murfin Rig No. 16 Co. Rep. George Dent

Formation Lansing Zone 70' Type of Test Conventional

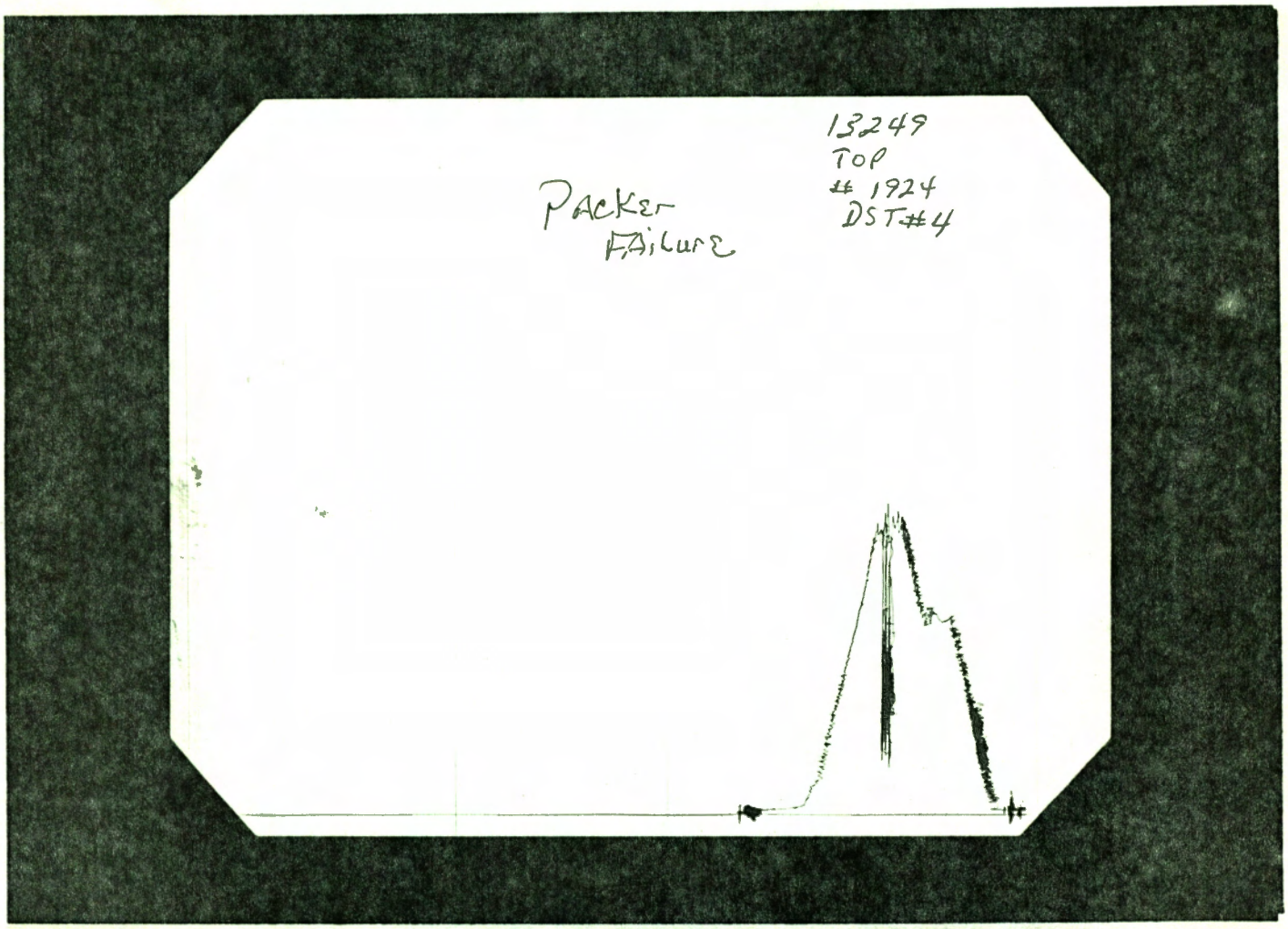
DST# 4 Interval 3,552 To 3,570 Total Depth 3,570
Open ____ Shut In ____ Open ____ Shut In ____
Packer(s) Set ____ A.M. P.M. Started off Bottom ____ A.M. P.M.
Blow Packer Failure

Recovery
Total Feet ____
Recovered 300' 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. (Office Reading If Applicable)
Initial Hydrostatic Pressure ____ Final Hydrostatic Pressure ____
Initial Closed In Pressure ____ Final Closed In Pressure ____
Initial Flow Pressure ____ To ____ Final Flow Pressure ____ To ____
Test Area Temperature ____ Mis-Run

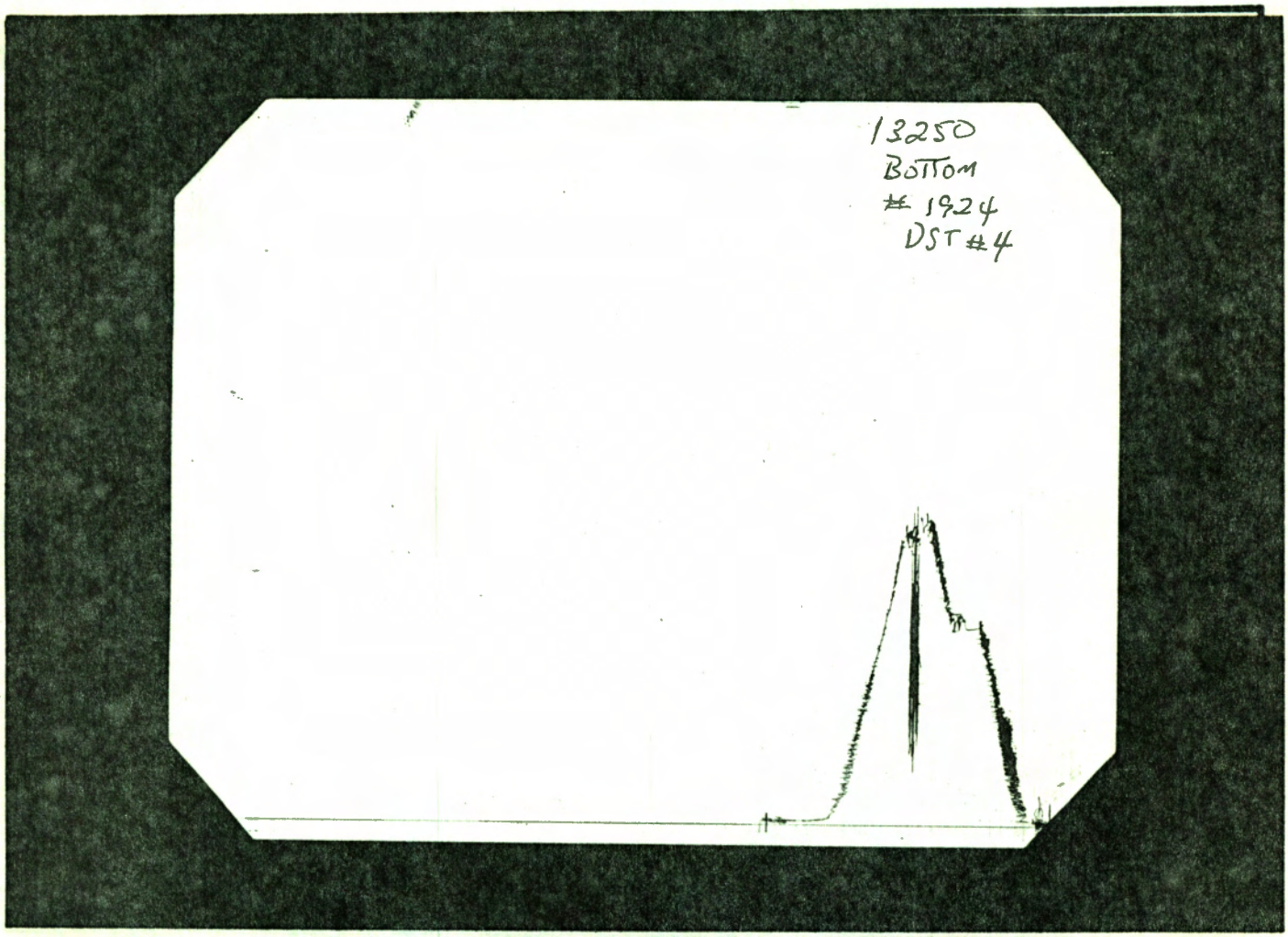
Engineering Date
Elevation 2,218 K.B.
Mud Viscosity 52 Mud Weight 9.6 Water Loss 10.8
Chlorides 29,000 P.P.M. Type of Mud Starch Anchor Length 18'
Hole Size 7 7/8 Casing Size 8 5/8 Surface Choke 3/4 Bottom Choke 3/4
Drill Pipe Length 2,945 I.D. 3.8" In. Weight Pipe Length 590' I.D. 2.76" In.
Drill Collar Length ____ I.D. ____ In.
Top Packer Depth. ____ Bottom Packer Depth. 3,552 Packer Size 6 3/4 x30"
Test Tool Size 5 1/2 In. Tool Joint Size 4 1/2 FH In.
Did Well Flow ____ Reversed Out ____
Recorder Type and No. AK-1 13249 Clock Range No. 25108 12 Hr.
Recorder Type and No. AK-1 13250 Clock Range No. 25110 12 Hr.
Extra Equipment ____
Remarks Single conventional packer run. Set tool 3 times, packer wouldn't hold. Tore up conventional packer.

Open Hole Test. Mis-Run Price of Job $ 350.00
Thank You!



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



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	PRESSURE 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
P.O. Box 2260
Colorado Springs, CO 80901

CRUDE OIL TESTING INC.

Test Ticket No. 1925

Company A. Scott Ritchie Date 3-7-82
Company Address 125 N. Market, Suite 950 Wichita No. of Charts 5
Location: Sec. 12 Twp. 11S Rge. 23W Co. Trego State KS
Well Name And Number Griffith #D-2 Tester Bud O'Dell
Contractor Murfin Rig No. 16 Co. Rep. George Dent

Formation Lansing Zone 70' Type of Test Conventional

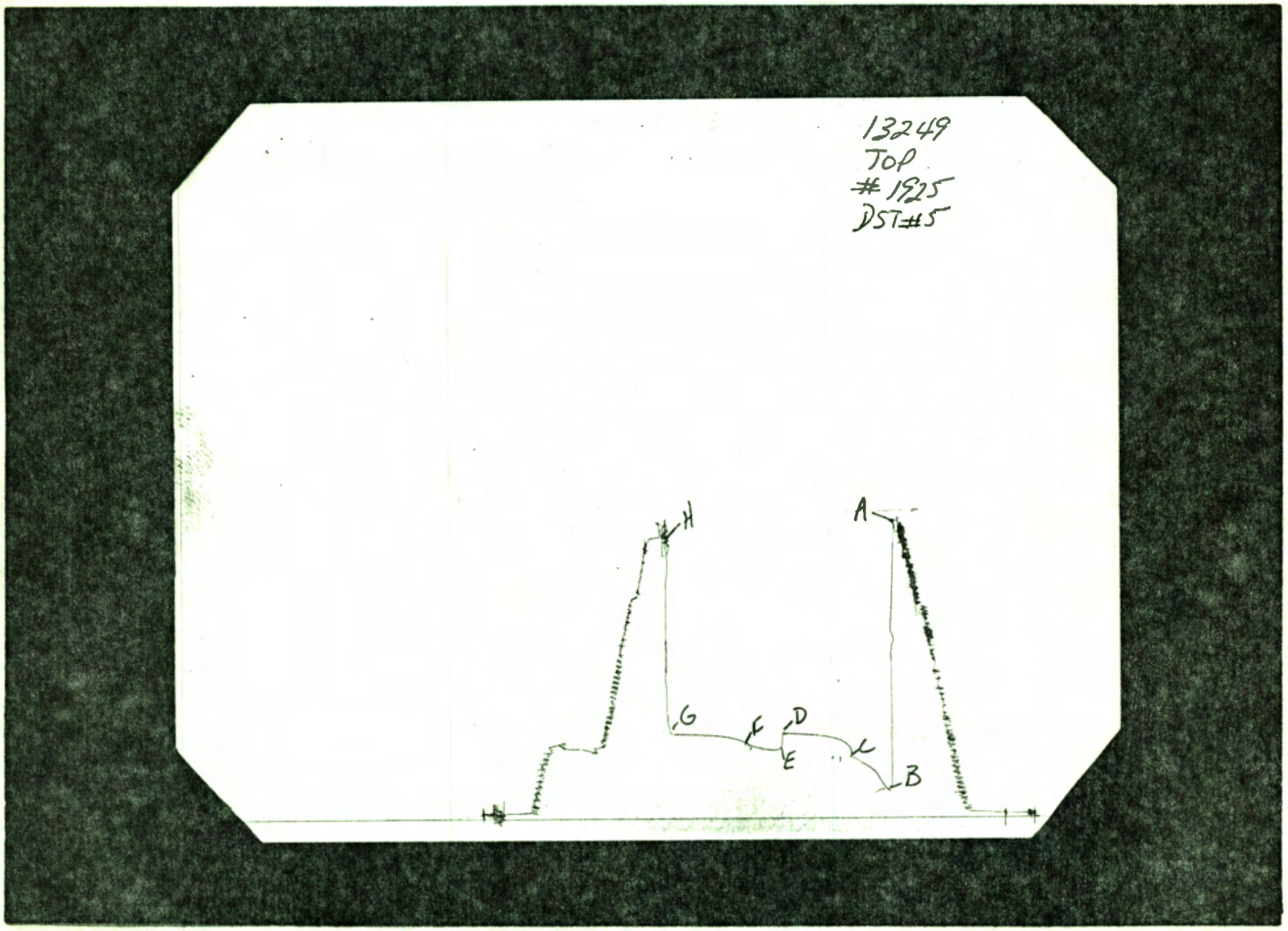
DST# 5 Interval 3,550 To 3,570 Total Depth 3,570
Open 30 11:20 Shut In 60 Open 30 Shut In 60
Packer(s) Set 11:17 AM Started off Bottom 2:20 AM
Blow 1st Open - Strong blow off bottom of bucket in 2 minutes

Recovery
Total Feet 1,000
Recovered 1,000 Ft. of Water with scum of oil on top
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Gravity (Oil) _____ Corrected To Temp. _____ Water Chlorides 76,000 PPM

Pressures & Temp. (Office Reading If Applicable)
Initial Hydrostatic Pressure 1,891 Final Hydrostatic Pressure 1,868
Initial Closed In Pressure 543 Final Closed In Pressure 538
Initial Flow Pressure 181 To 385 Final Flow Pressure 430 To 453
Test Area Temperature 101

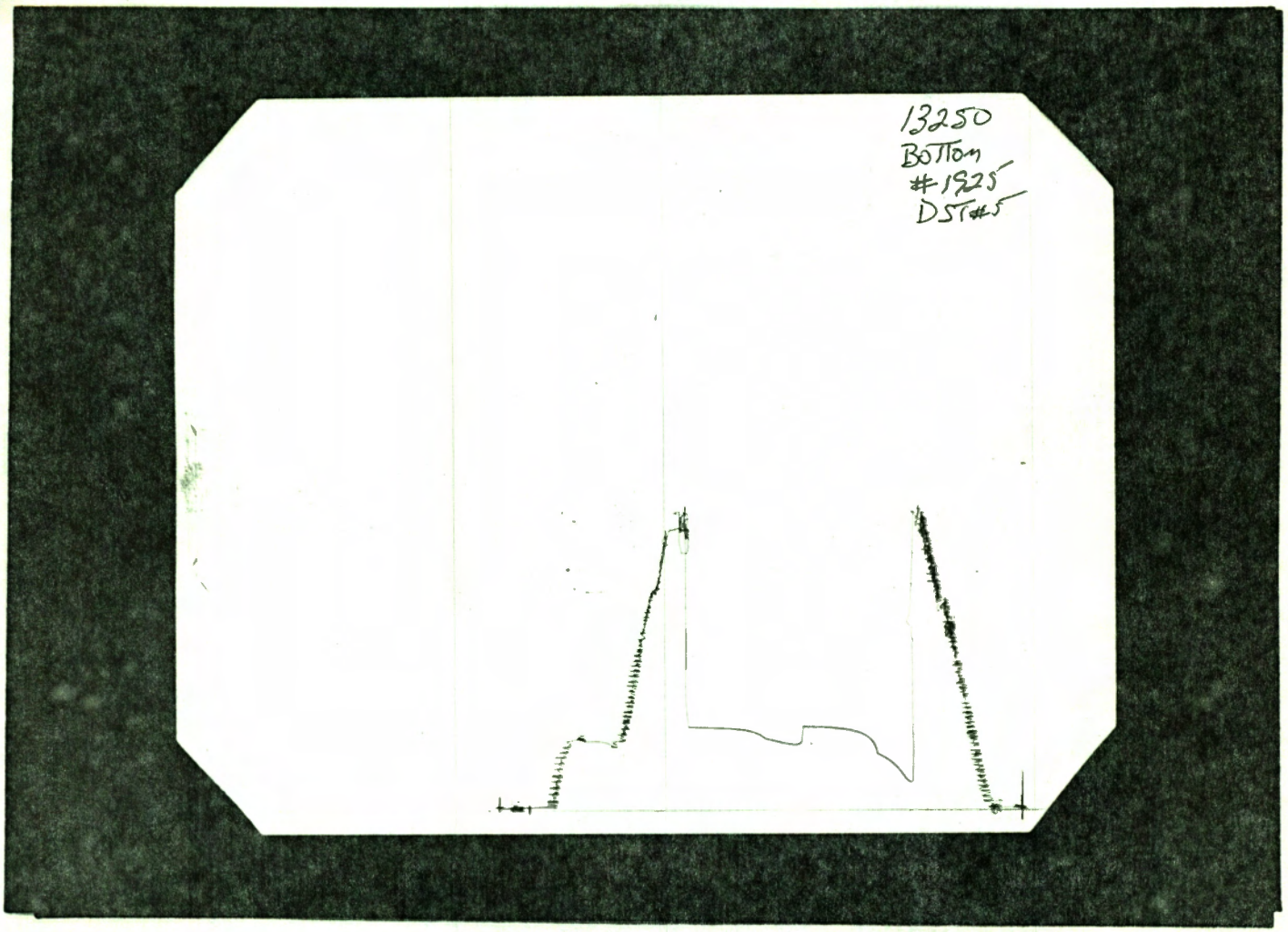
Engineering Date
Elevation 2,218 K.B.
Mud Viscosity 52 Mud Weight 9.6 Water Loss 10.8
Chlorides 29,000 P.P.M. Type of Mud Starch Anchor Length 20'
Hole Size 7 7/8 Casing Size 8 5/8 Surface Choke 3/4 Bottom Choke 3/4
Drill Pipe Length 2,939 I.D. 3.8" In. Weight Pipe Length 590' I.D. 2.76" In.
Drill Collar Length _____ I.D. _____ In.
Top Packer Depth. 3,545 Bottom Packer Depth. 3,550 Packer Size 6 3/4"
Test Tool Size 5 1/2" In. Tool Joint Size 4 1/2 FH In.
Did Well Flow No Reversed Out Yes
Recorder Type and No. AK-1 13249 Clock Range No. 25108 12 Hr.
Recorder Type and No. AK-1 13250 Clock Range No. 25110 12 Hr.
Extra Equipment Circulating Sub
Remarks Dropped bar & reversed 1,000' of water. Dual packers - 1 bobtail & 1 conventional

Open Hole Test. Thank You! Price of Job $690.00



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1,891	1,868	PSI
(B)	First Initial Flow Pressure	181	183	PSI
(C)	First Final Flow Pressure	385	391	PSI
(D)	Initial Closed-in Pressure	543	543	PSI
(E)	Second Initial Flow Pressure	430	438	PSI
(F)	Second Final Flow Pressure	453	486	PSI
(G)	Final Closed-in Pressure	538	547	PSI
(H)	Final Hydrostatic Mud	1,868	1,781	PSI



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 3-7-82 Test Ticket No. 1925

Recorder No. Kuster AK-1 13249 Capacity 4,500 PSI Location 3,560 Ft.

Clock No. 25108 Elevation 2,218 K.B. Well Temperature 101 °F

Point		Pressure			Field Time	Time Computed
A	Initial Hydrostatic Mud	1,868	P.S.I.	Open Tool	11:20 AM	
B	First Initial Flow Pressure	183	P.S.I.	First Flow Pressure	30 Mins.	32 Mins.
C	First Final Flow Pressure	391	P.S.I.	Initial Closed-in Pressure	60 Mins.	55 Mins.
D	Initial Closed-in Pressure	543	P.S.I.	Second Flow Pressure	30 Mins.	Mins.
E	Second Initial Flow Pressure	438	P.S.I.	Final Closed-in Pressure	60 Mins.	53 Mins.
F	Second Final Flow Pressure	486	P.S.I.			
G	Final Closed-in Pressure	547	P.S.I.			
H	Final Hydrostatic Mud	1,781	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 6 Inc.		Breakdown: 11 Inc.		Breakdown: 6 Inc.		Breakdown: 10 Inc.	
of 5 mins. and a		of 5 mins. and a		of 5 mins. and a		of 5 mins. and a	
final inc. of 2 Min.		final inc. of Min.		final inc. of Min.		final inc. of 3 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	183	0	391	0	438	0	486
P 2 5	187	5	484	5	438	5	506
P 3 10	244	10	502	10	441	10	518
P 4 15	303	15	513	15	445	15	525
P 5 20	332	20	522	20	454	20	529
P 6 25	355	25	529	25	463	25	536
P 7 30	382	30	536	30	486	30	540
P 8 32	391	35	536			35	540
P 9		40	540			40	543
P10		45	543			45	543
P11		50	543			50	543
P12		55	543			53	547
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TEST REPORT

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

Test Ticket No. 1926

Company A. Scott Ritchie Date 3-8-82
Company Address 125 N. Market Suite 950 Wichita No. of Charts 5
Location: Sec. 12 Twp. 11S Rge. 23W Co. Trego State KS
Well Name And Number Griffith #D-2 Tester Bud O'Dell
Contractor Murfin Rig No. 16 Co. Rep. George Dent

Formation Lansing Zone 90' & 100' Type of Test Conventional

DST# 6
Interval 3,575 To 3,600 Total Depth 3,600
Open 30 2:12 Shut In 30 Open 30 Shut In 30
Packer(s) Set 2:09 ~~A.M.~~ P.M. Started off Bottom 4:12 ~~A.M.~~ P.M.
Blow 1st Open - Weak blow died in 15 minutes
2nd Open - Weak blow died in 5 minutes

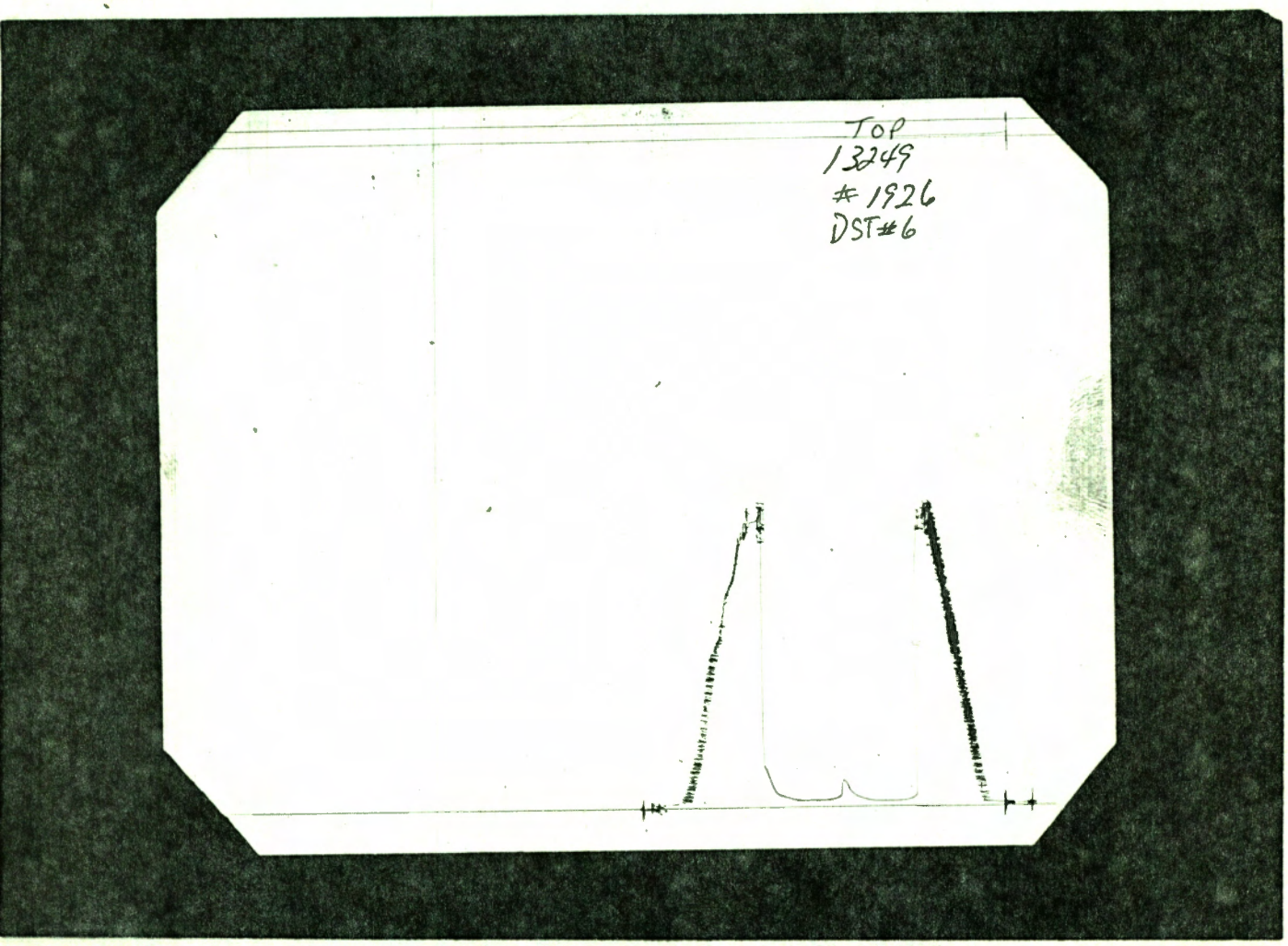
Recovery
Total Feet 10
Recovered 10 Ft. of Oil cut thin watery mud
Recovered ____ Ft. of ____
Recovered ____ Ft. of ____
Recovered ____ Ft. of ____
Recovered ____ Ft. of ____
Recovered ____ Ft. of ____
Gravity (Oil) ____ Corrected To Temp. ____ Water Chlorides 62,000 PPM

Pressures & Temp. (Office Reading If Applicable)
Initial Hydrostatic Pressure 1,868 Final Hydrostatic Pressure 1,845
Initial Closed In Pressure 170 Final Closed In Pressure 260
Initial Flow Pressure 34 To 34 Final Flow Pressure 45 To 45
Test Area Temperature 106

Engineering Date
Elevation 2,218 K.B.
Mud Viscosity 51 Mud Weight 9.5 Water Loss 5.8
Chlorides 23,000 P.P.M. Type of Mud Starch Anchor Length 25'
Hole Size 7 7/8 Casing Size 8 5/8 Surface Choke 3/4 Bottom Choke 3/4
Drill Pipe Length 2,964 I.D. 3.8" In. Weight Pipe Length 590 I.D. 2.76" In.
Drill Collar Length ____ I.D. ____ In.
Top Packer Depth. ____ Bottom Packer Depth. 3,575 Packer Size 6 3/4 x 30"
Test Tool Size 5 1/2 In. Tool Joint Size 4 1/2 FH In.
Did Well Flow No Reversed Out No
Recorder Type and No. AK-1 13249 Clock Range No. 25108 12 Hr.
Recorder Type and No. AK-1 13250 Clock Range No. 25110 12 Hr.
Extra Equipment None
Remarks Conventional packer run

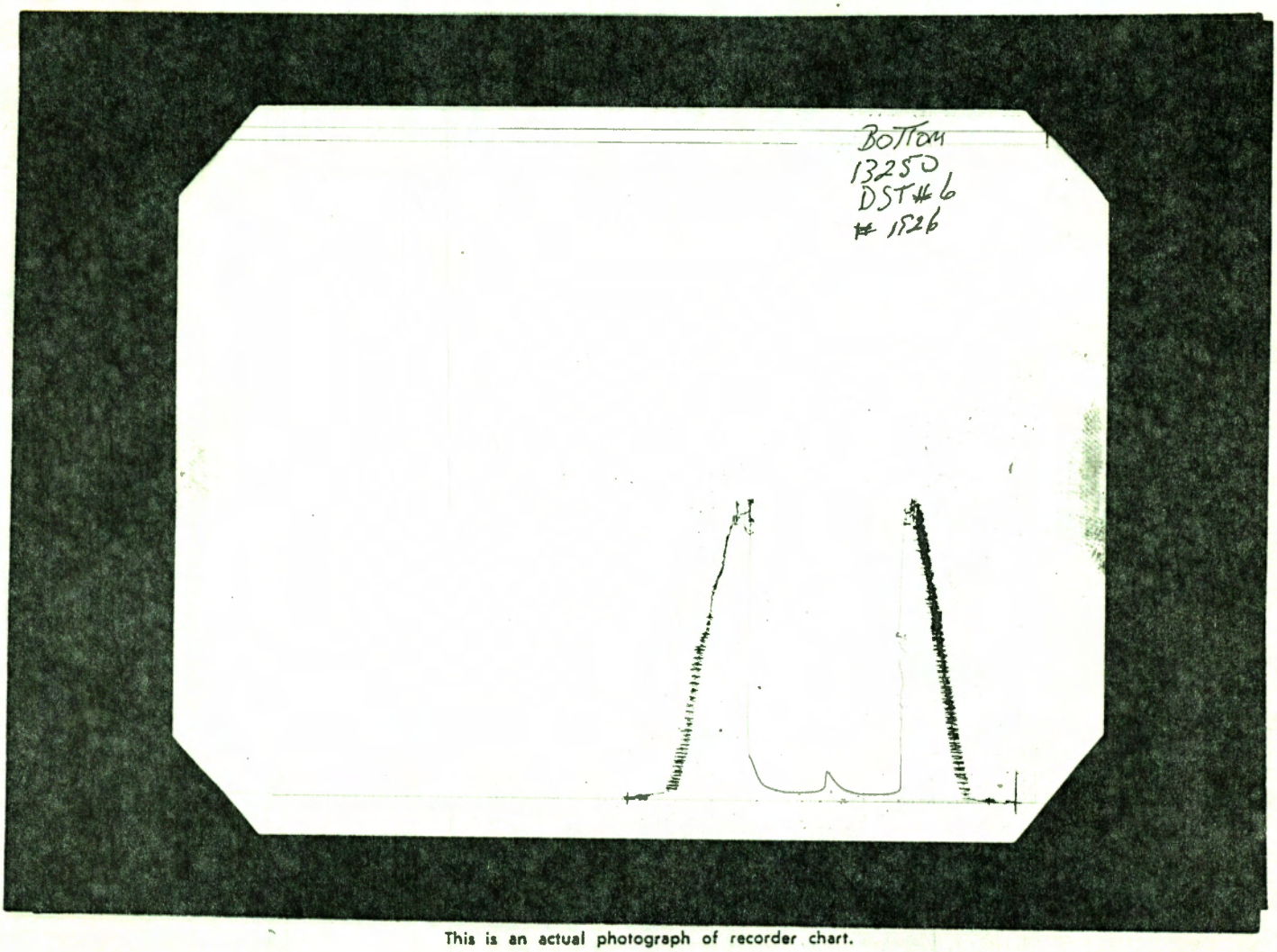
Open Hole Test. Thank You!

Price of Job $ 660.00



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1,868		PSI
(B)	First Initial Flow Pressure	34		PSI
(C)	First Final Flow Pressure	34		PSI
(D)	Initial Closed-in Pressure	170		PSI
(E)	Second Initial Flow Pressure	45		PSI
(F)	Second Final Flow Pressure	45		PSI
(G)	Final Closed-in Pressure	260		PSI
(H)	Final Hydrostatic Mud	1,845		PSI



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 INC.

DRILL STEM TEST RECOVERY ANALYSIS

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

COMPANY: A. Scott Ritchie LEASE: Griffith #D-2 DST# 6
SEC: 12 Twp: 11S Rge: 23W COUNTY: Trego STATE: KS

VISUAL DST RECOVERY: 10' Oil cut thin watery mud

CENTRIFUGE PERCENTAGE ANALYSIS

ample #	Feet of FLUID	Percent of GAS	Percent of OIL	Percent of WATER	Percent of MUD
1	10	15	10	60	15

CALCULATED FLUID RECOVERY FROM PERCENTAGES

(Formula for Calculation)
Percent of individual fluid × Total footage represented in sample

AM-PLE #	TOTAL FOOT-AGE	GAS %	×	Total	=	Feet	OIL %	×	Total	=	Feet	WATER %	×	Total	=	Feet	MUD %	×	Total	=	Feet
1	10	15	×	10	=	1.5	10	×	10	=	1	60	×	10	=	6	15	×	10	=	1.5
			×		=			×		=			×		=			×		=	
			×		=			×		=			×		=			×		=	
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			×		=			×		=			×		=			×		=	
			×		=			×		=			×		=			×		=	
Totals		1.5					1					6					1.5				

CALCULATED DST RECOVERY =

CHLORIDES MUD SYSTEM 62,000 PPM
CHLORIDES DST WATER 23,000 PPM
GRAVITY OF OIL

GAS 1.5
OIL 1
WTR 6
MUD 1.5
TOTAL FLUID 10'

TEST REPORT

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

CRUDE OIL TESTING INC.

Test Ticket No. 1927

Company A. Scott Ritchie Date 3-9-82

Company Address 125 N. Market, Suite 950 Wichita No. of Charts 5

Location: Sec. 12 Twp. 11S Rge. 23W Co. Trego State KS

Well Name And Number Griffith #D-2 Tester Bud O'Dell

Contractor Murfin Rig No. 16 Co. Rep. George Dent

Formation Lansing Zone 120-140-160-180-200 &220' Type of Test Conventional

DST# 7 Interval 3,605 To 3,720 Total Depth 3,720

Open 30 10:00 Shut In 60 Open 30 Shut In 60

Packer(s) Set 9:57 ~~A.M.~~ P.M. Started off Bottom ____ A.M. P.M.

Blow 1st Open - Strong off bottom of bucket in 11 minutes

2nd Open - Good steady blow off bottom of bucket

Recovery

Total Feet 815

Recovered 815 Ft. of Muddy water

Recovered ____ Ft. of ____

Recovered ____ Ft. of ____

Recovered ____ Ft. of ____

Recovered ____ Ft. of ____

Recovered ____ Ft. of ____

Gravity (Oil) ____ Corrected To Temp. ____ Water Chlorides 47,000 PPM

Pressures & Temp. (Office Reading If Applicable)

Initial Hydrostatic Pressure 1,925 Final Hydrostatic Pressure 1,902

Initial Closed In Pressure 952 Final Closed In Pressure 930

Initial Flow Pressure 102 To 249 Final Flow Pressure 294 To 339

Test Area Temperature 110

Engineering Date

Elevation 2,218 K.B.

Mud Viscosity 45 Mud Weight 9.5 Water Loss 7.2

Chlorides 21,000 P.P.M. Type of Mud Starch Anchor Length 115'

Hole Size 7 7/8 Casing Size 8 5/8 Surface Choke 3/4 Bottom Choke 3/4

Drill Pipe Length 3,107 I.D. 3.8" In. Weight Pipe Length 530 I.D. 2.76" In.

Drill Collar Length ____ I.D. ____ In.

Top Packer Depth. ____ Bottom Packer Depth. 3,605 Packer Size 6 3/4"

Test Tool Size 5 1/2 In. Tool Joint Size 4 1/2 FH In.

Did Well Flow No Reversed Out Yes

Recorder Type and No. AK-1 13249 Clock Range No. 25109 12 Hr.

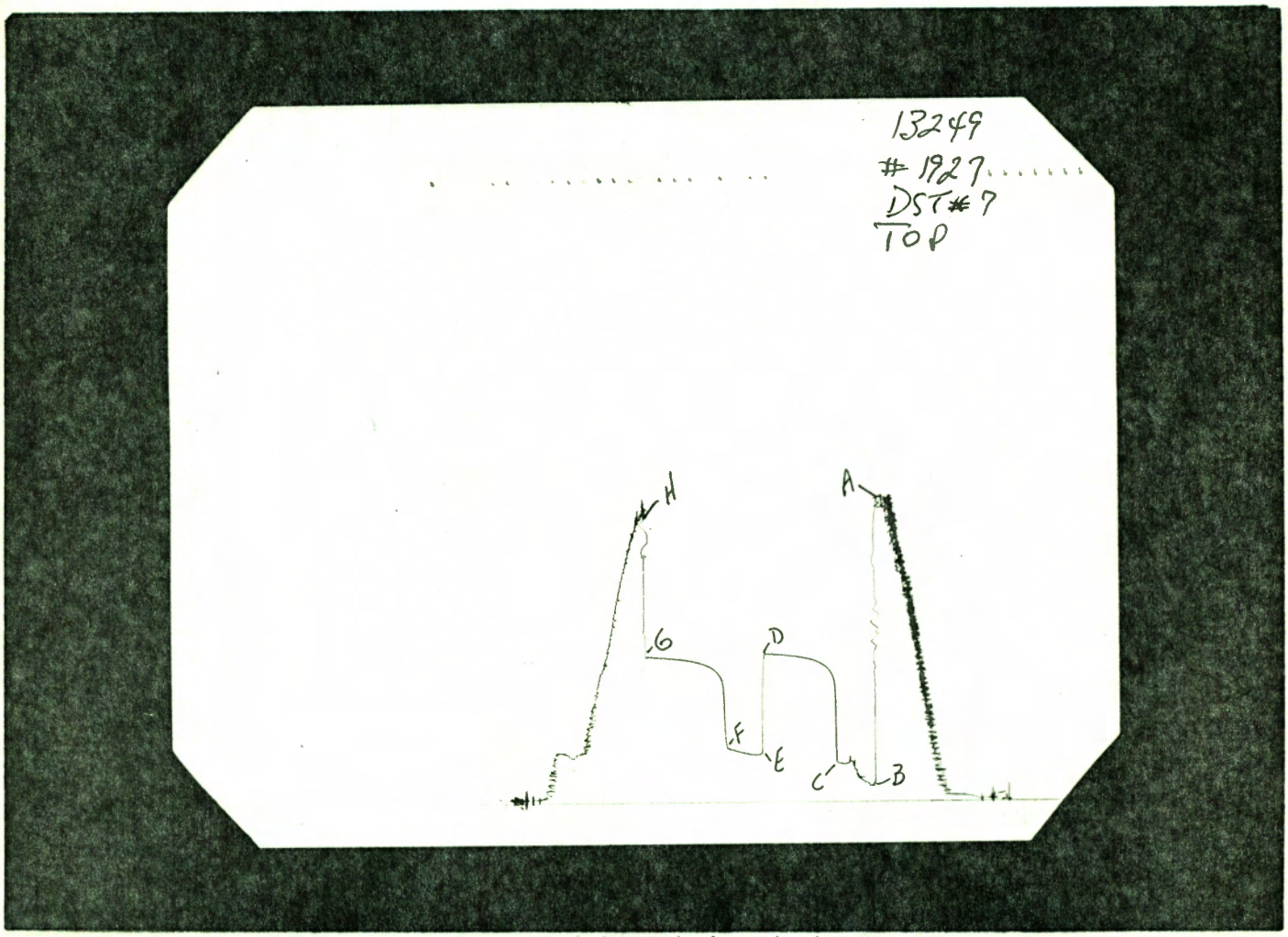
Recorder Type and No. AK-1 13250 Clock Range No. 25110 12 Hr.

Extra Equipment Circulating Sub

Remarks Dropped bar to reverse 815' fluid, would not reverse. Conventional packers run.

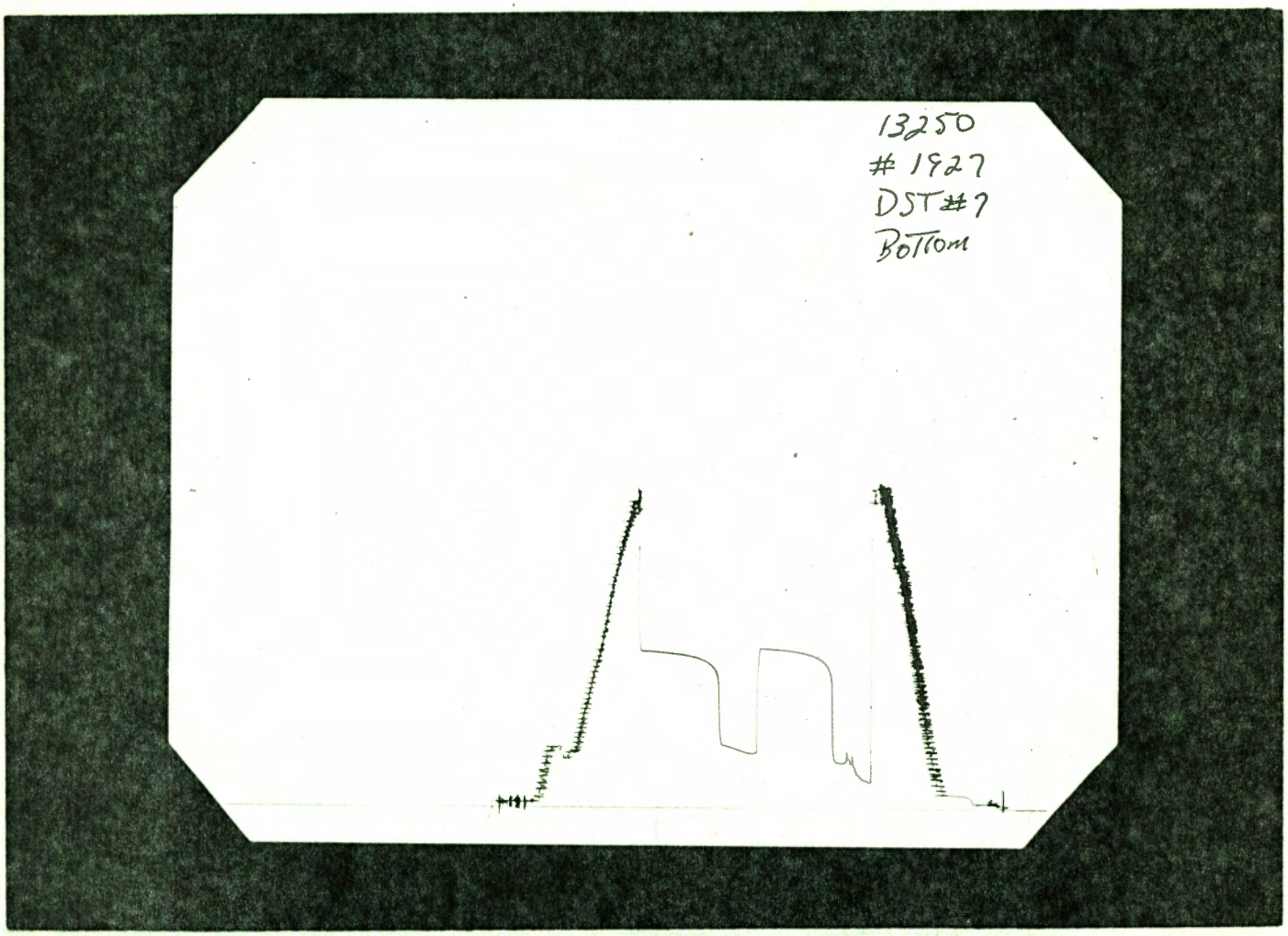
Open Hole Test. Thank You!

Price of Job $ 690.00



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1,925	1,929	PSI
(B)	First Initial Flow Pressure	102	101	PSI
(C)	First Final Flow Pressure	249	257	PSI
(D)	Initial Closed-in Pressure	952	952	PSI
(E)	Second Initial Flow Pressure	294	305	PSI
(F)	Second Final Flow Pressure	339	346	PSI
(G)	Final Closed-in Pressure	930	938	PSI
(H)	Final Hydrostatic Mud	1,902	1,811	PSI



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 3-9-82 Test Ticket No. 1927

Recorder No. Kuster AK-1 13249 Capacity 4,500 PSI Location 3,710 Ft.

Clock No. 25109 Elevation 2,218 K.B. Well Temperature 110 °F

Point		Pressure			Field Time	Time Computed
A	Initial Hydrostatic Mud	1,929	P.S.I.	Open Tool	10:00 AM	
B	First Initial Flow Pressure	101	P.S.I.	First Flow Pressure	30 Mins.	31 Mins.
C	First Final Flow Pressure	257	P.S.I.	Initial Closed-in Pressure	60 Mins.	56 Mins.
D	Initial Closed-in Pressure	952	P.S.I.	Second Flow Pressure	30 Mins.	29 Mins.
E	Second Initial Flow Pressure	305	P.S.I.	Final Closed-in Pressure	60 Mins.	65 Mins.
F	Second Final Flow Pressure	346	P.S.I.			
G	Final Closed-in Pressure	938	P.S.I.			
H	Final Hydrostatic Mud	1,811	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 6 Inc.		Breakdown: 11 Inc.		Breakdown: 5 Inc.		Breakdown: 13 Inc.	
of 5 mins. and a		of 5 mins. and a		of 5 mins. and a		of 5 mins. and a	
final inc. of 1 Min.		final inc. of 1 Min.		final inc. of 4 Min.		final inc. of Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
1 0	101	0	257	0	305	0	346
2 5	113	5	838	5	305	5	804
3 10	138	10	879	10	307	10	850
4 15	196	15	902	15	316	15	875
5 20	242	20	915	20	328	20	890
6 25	242	25	925	25	339	25	902
7 30	251	30	934	29	346	30	913
8 31	257	35	938			35	920
9		40	945			40	925
10		45	947			45	929
11		50	952			50	931
12		55	952			55	936
13		56	952			60	938
14						65	938
15							
16							
17							
18							
19							
20							

TEST REPORT

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

Test Ticket No. 1928

Company A. Scott Ritchie Date 3-10-82
Company Address 125 N. Market, Suite 950 Wichita No. of Charts 5
Location: Sec. 12 Twp. 11S Rge. 23W Co. Trego State KS
Well Name And Number Griffith #D-2 Tester Bud O'Dell
Contractor Murfin Rig No. 16 Co. Rep. George Dent

Formation Marmaton Zone _____ Type of Test Conventional

DST# 8 Interval 3,815 To 3,850 Total Depth 3,850
Open 30 5:05 Shut In 30 Open 30 Shut In 30
Packer(s) Set 5:02 AM Started off Bottom 7:05 AM
Blow 1st Open - Weak blow in 10 minutes
2nd Open - No blow

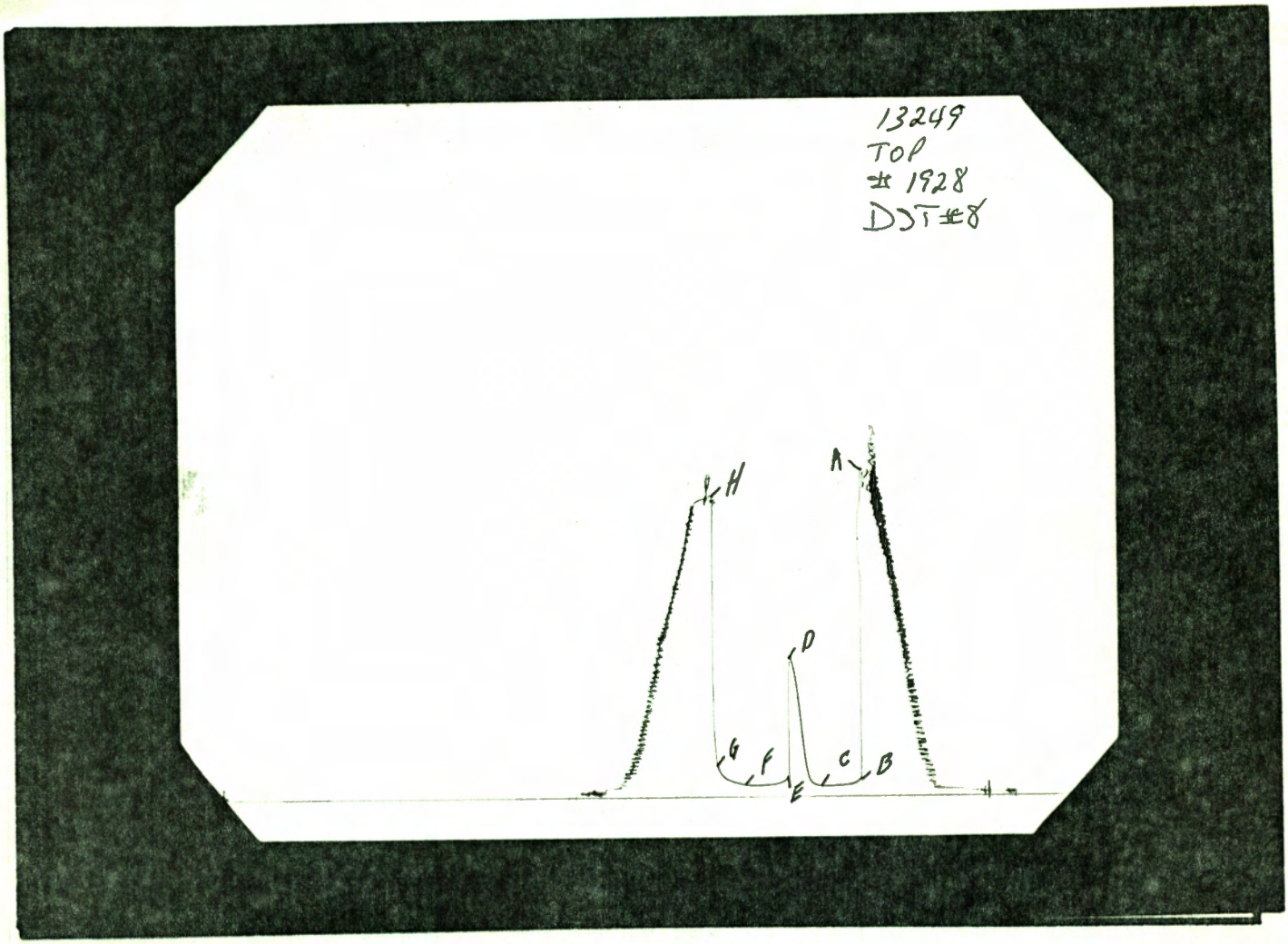
Recovery
Total Feet 15
Recovered 15 Ft. of Slightly oil cut mud
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Gravity (Oil) _____ Corrected To Temp. _____ Water Chlorides 28,000 PPM

Pressures & Temp. (Office Reading If Applicable)
Initial Hydrostatic Pressure 2,095 Final Hydrostatic Pressure 2,073
Initial Closed In Pressure 907 Final Closed In Pressure 204
Initial Flow Pressure 68 To 68 Final Flow Pressure 68 To 68
Test Area Temperature 110

Engineering Date
Elevation 2,218 K.B.
Mud Viscosity 45 Mud Weight 9.5 Water Loss 72
Chlorides 21,000 P.P.M. Type of Mud Starch Anchor Length 35'
Hole Size 7 7/8 Casing Size 8 5/8 Surface Choke 3/4 Bottom Choke 3/4
Drill Pipe Length 3,204 I.D. 3.8" In. Weight Pipe Length 590' I.D. 2.76" In.
Drill Collar Length _____ I.D. _____ In.
Top Packer Depth. _____ Bottom Packer Depth. 3,815 Packer Size 6 3/4
Test Tool Size 5 1/2 In. Tool Joint Size 4 1/2 FH In.
Did Well Flow No Reversed Out No
Recorder Type and No. AK-1 13249 Clock Range No. 25109 12 Hr.
Recorder Type and No. AK-1 13250 Clock Range No. 25110 12 Hr.
Extra Equipment None
Remarks Conventional packer run

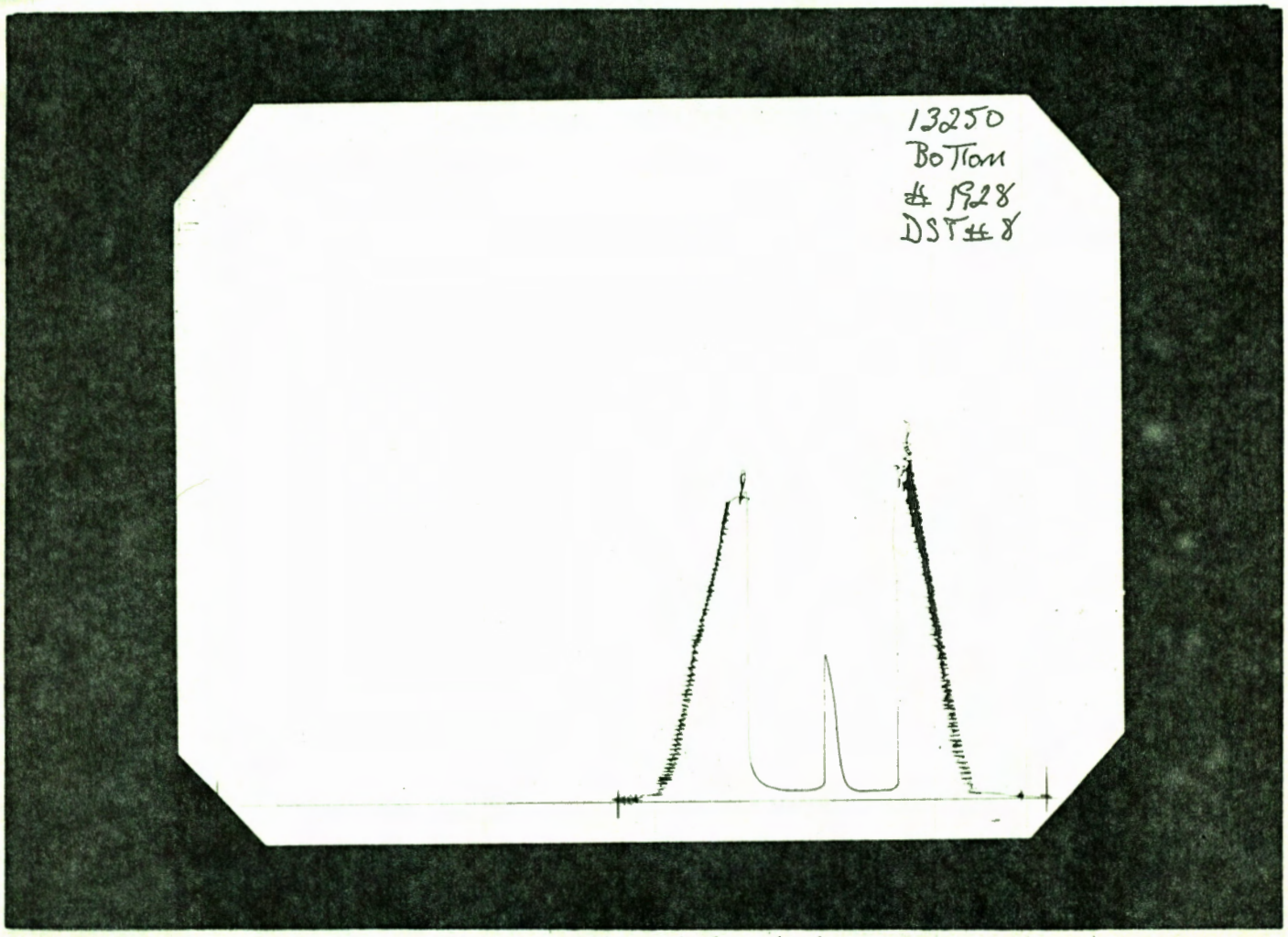
Open Hole Test. Thank You!

Price of Job $ 660.00



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2,095	2,072	PSI
(B)	First Initial Flow Pressure	68	65	PSI
(C)	First Final Flow Pressure	68	65	PSI
(D)	Initial Closed-in Pressure	907	890	PSI
(E)	Second Initial Flow Pressure	68	72	PSI
(F)	Second Final Flow Pressure	68	72	PSI
(G)	Final Closed-in Pressure	204	199	PSI
(H)	Final Hydrostatic Mud	2,073	1,922	PSI



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 3-10-82 Test Ticket No. 1928

Recorder No. Kuster AK-1 13249 Capacity 4,500 PSI Location 3,840 Ft.

Clock No. 25109 Elevation 2,218 K.B. Well Temperature 110 °F

Point		Pressure			Field Time	Time Computed
A	Initial Hydrostatic Mud	2,072	P.S.I.	Open Tool	5:05 AM	
B	First Initial Flow Pressure	65	P.S.I.	First Flow Pressure	30 Mins.	Mins.
C	First Final Flow Pressure	65	P.S.I.	Initial Closed-in Pressure	30 Mins.	27 Mins.
D	Initial Closed-in Pressure	890	P.S.I.	Second Flow Pressure	30 Mins.	Mins.
E	Second Initial Flow Pressure	72	P.S.I.	Final Closed-in Pressure	30 Mins.	28 Mins.
F	Second Final Flow Pressure	72	P.S.I.			
G	Final Closed-in Pressure	199	P.S.I.			
H	Final Hydrostatic Mud	1,922	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 6 Inc.		Breakdown: 5 Inc.		Breakdown: 6 Inc.		Breakdown: 5 Inc.	
of 5 mins. and a		of 5 mins. and a		of 5 mins. and a		of 5 mins. and a	
final inc. of Min.		final inc. of 2 Min.		final inc. of Min.		final inc. of 3 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
1 0	65	0	65	0	72	0	72
2 5	65	5	65	5	72	5	76
3 10	65	10	90	10	72	10	83
4 15	65	15	246	15	72	15	95
5 20	65	20	579	20	72	20	113
6 25	65	25	836	25	72	25	144
7 30	65	27	890	30	72	28	199
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CRUDE OIL TESTING INC.

TEST REPORT

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

Test Ticket No. 1929

Company A. Scott Ritchie Date 3-10-82
Company Address 125 N. Market, Suite 950 Wichita No. of Charts 5
Location: Sec. 12 Twp. 11S Rge. 23W Co. Trego State KS
Well Name And Number Griffith #D-2 Tester Bud O'Dell
Contractor Murfin Rig No. 16 Co. Rep. George Dent

Formation Arbuckle Zone _____ Type of Test Conventional

DST# 9 Interval 3,910 To 3,920 Total Depth 3,920
Open 30 11:15 Shut In 30 ~~A.M.~~ P.M. Open 30 Shut In 30 ~~A.M.~~ P.M.
Packer(s) Set 11:12 ~~A.M.~~ P.M. Started off Bottom 1:15 ~~A.M.~~ P.M.
Blow 1st Open - Weak blow died in 8 minutes
2nd Open - No blow

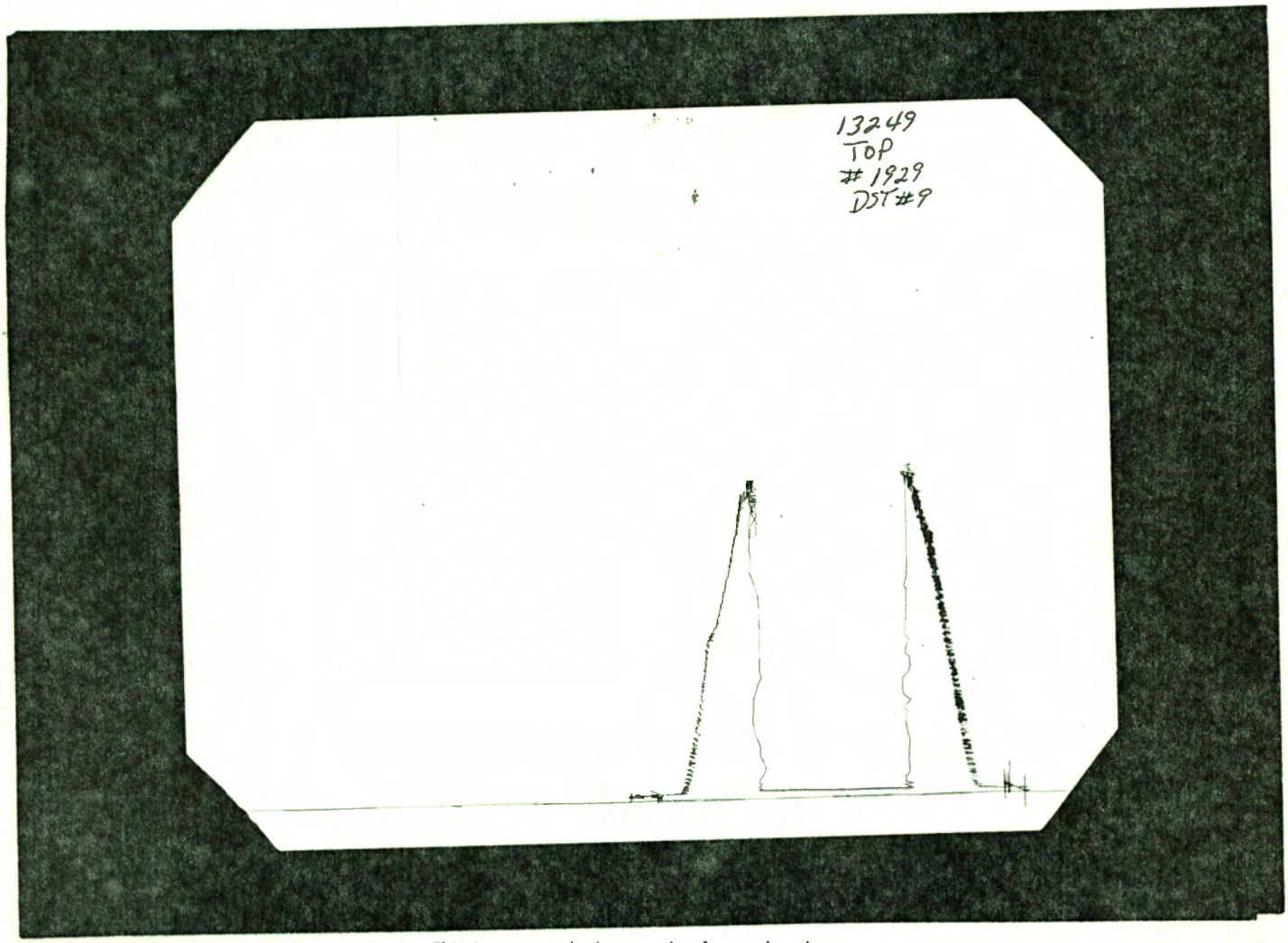
Recovery
Total Feet 5
Recovered 5 Ft. of Slightly oil spotted mud
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Recovered _____ Ft. of _____
Gravity (Oil) _____ Corrected To Temp. _____ Water Chlorides _____

Pressures & Temp. (Office Reading If Applicable)
Initial Hydrostatic Pressure 2,061 Final Hydrostatic Pressure 2,039
Initial Closed In Pressure 38 Final Closed In Pressure 45
Initial Flow Pressure 38 To 38 Final Flow Pressure 41 To 41
Test Area Temperature 110

Engineering Date
Elevation 2,218 K.B.
Mud Viscosity 60 Mud Weight 9.5 Water Loss 7.4
Chlorides 23,000 P.P.M. Type of Mud Starch Anchor Length 10'
Hole Size 7 7/8 Casing Size 8 5/8 Surface Choke 3/4 Bottom Choke 3/4
Drill Pipe Length 3,236 I.D. 3.8" In. Weight Pipe Length 590 I.D. 2.76" In.
Drill Collar Length 63' I.D. 2.25" In.
Top Packer Depth. _____ Bottom Packer Depth. 3,910 Packer Size 6 3/4 x 30
Test Tool Size 5 1/2 " In. Tool Joint Size 4 1/2" FH In.
Did Well Flow No Reversed Out No
Recorder Type and No. AK-1 13249 Clock Range No. 25109 12 Hr.
Recorder Type and No. AK-1 13250 Clock Range No. 25110 12 Hr.
Extra Equipment None
Remarks Conventional packer run

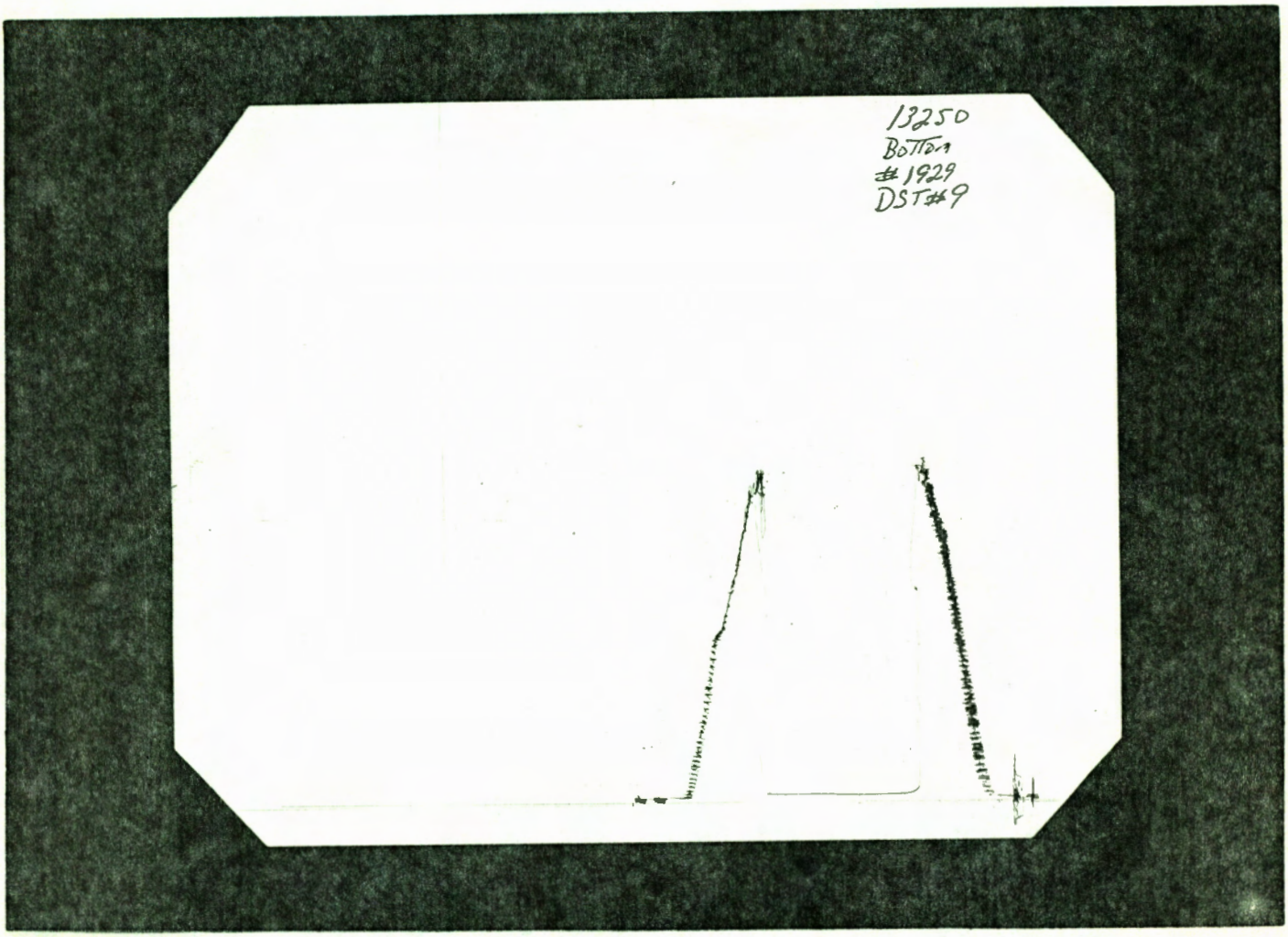
Open Hole Test. Thank You!

Price of Job $660.00



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2,061		PSI
(B)	First Initial Flow Pressure	38		PSI
(C)	First Final Flow Pressure	38		PSI
(D)	Initial Closed-in Pressure	38		PSI
(E)	Second Initial Flow Pressure	41		PSI
(F)	Second Final Flow Pressure	41		PSI
(G)	Final Closed-in Pressure	45		PSI
(H)	Final Hydrostatic Mud	1,039		PSI



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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