



TEST REPORT

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

Test Ticket No. 1359
Company Abercrombie & Associates Date 8/3/81
Company Address 801 Union Center, Wichita, KS No. of Charts 5
Location: Sec. 35 Twp. 18S Rge. 29W Co. Lane State KS
Well Name And Number Splitter B-1 Tester Mitch Dougherty
Contractor Abercrombie Drlg. Rlg No. #1 Co. Rep. Orlin Phelps

Formation Lansing Zone _____ Type of Test Conventional

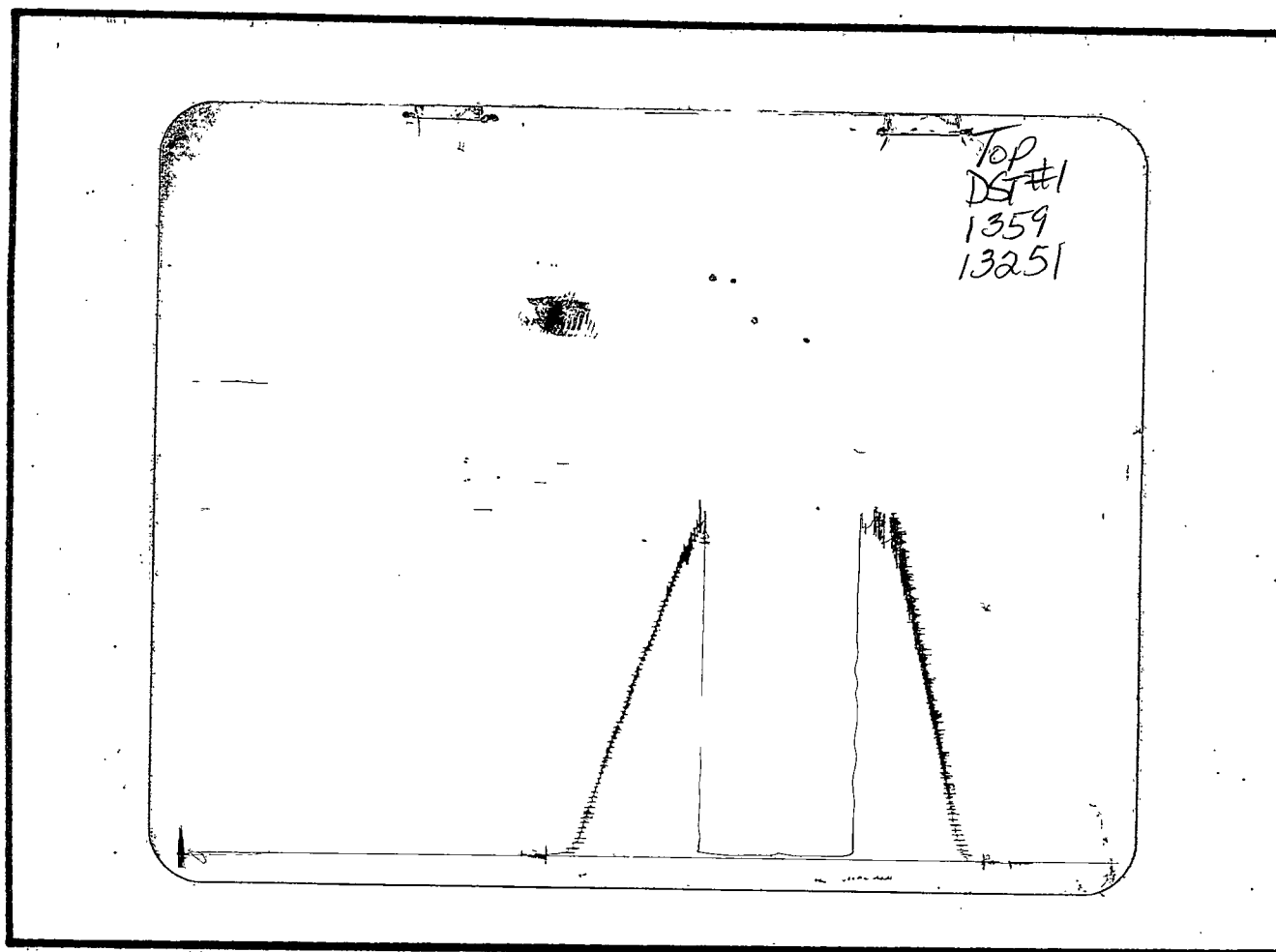
DST# 1 Interval 4,188 To 4,215 Total Depth 4,215
Open 30 9:30 Shut In 30 10:00 Open 30 10:30 Shut In 30 11:00
Packer(s) Set 9:28 ^{A.M.} ~~XPMK~~ Started off Bottom 11:30 ^{A.M.} ~~XPMK~~
Blow Very weak blow on top of bucket. Died in 5 mins.
Blow never came back in 2nd opening.

Recovery Total Feet 5
Recovered 5 Ft. of Mud with scum oil
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 2,124 Final Hydrostatic Pressure 2,102
Initial Closed In Pressure 35 Final Closed In Pressure 35
Initial Flow Pressure 12 To 12 Final Flow Pressure 12 To 12
Test Area Temperature 122
(Office Reading If Applicable)

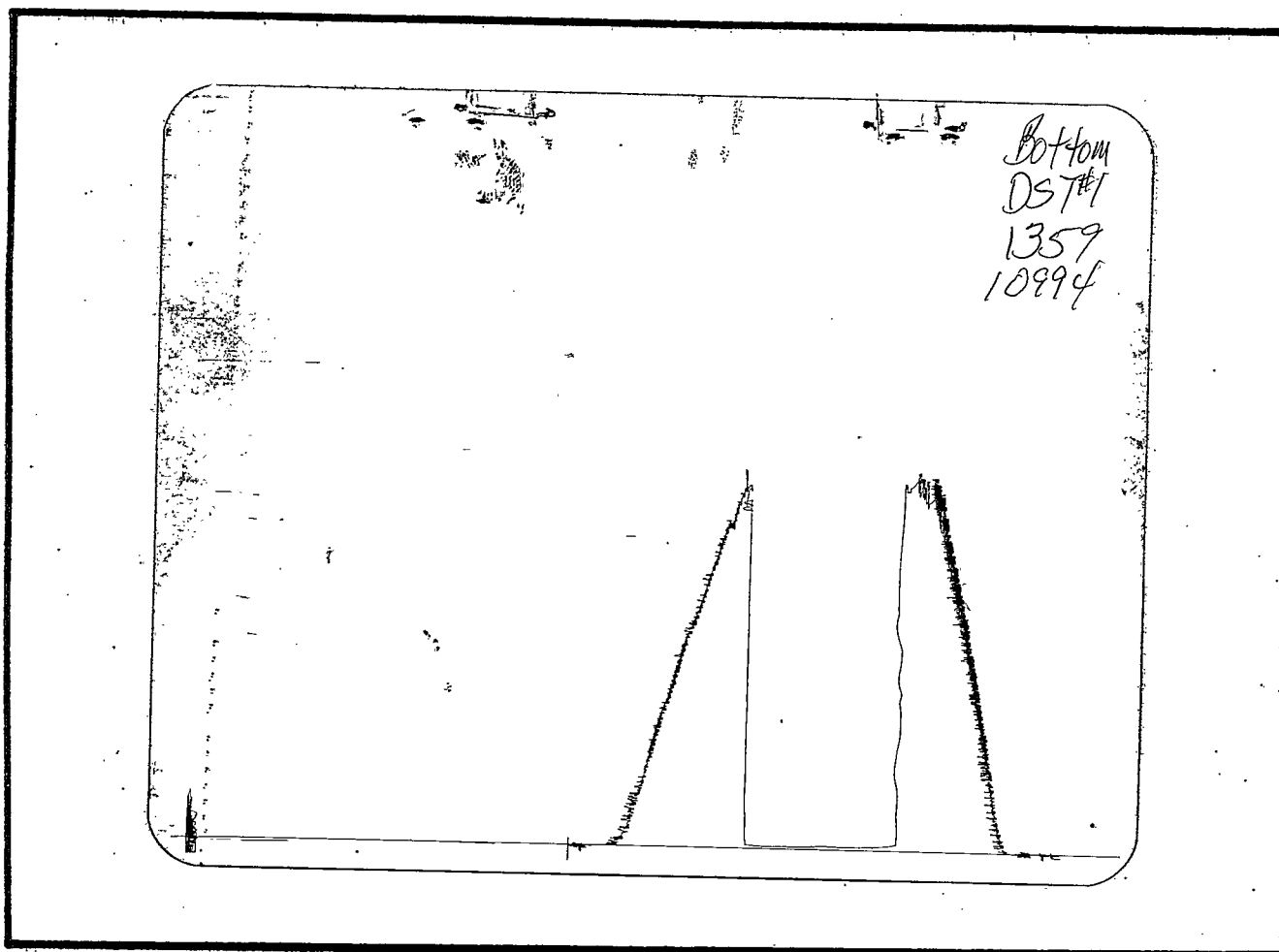
Engineering Date Elevation 2,806 K.B.
Mud Viscosity 45 Mud Weight 9.4 Water Loss 10.
Chlorides 6,000 P.P.M. Type of Mud Driscose Anchor Length 27'
Hole Size 7-7/8 Casing Size 8-5/8 Surface Choke 3/4 Bottom Choke 3/4
Drill Pipe Length 3,235 I.D. 3.8 In. Weight Pipe Length 544 I.D. 2.76 In.
Drill Collar Length 123 I.D. 2.5 In.
Top Packer Depth. 4,183 Bottom Packer Depth. 4,188 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. AK-1 13251 Clock Range No. 14074 12 Hr.
Recorder Type and No. AK-1 10994 Clock Range No. 22337 12 Hr.
Extra Equipment None
Remarks Open Hole Test. Thank You.

Price of Job \$715.00



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



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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



TEST REPORT

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Company Abercrombie & Associates Test Ticket No. 1358
Company Address 801 Union Center, Wichita, KS Date 8/4/81
Location: Sec. 35 Twp. 18S Rge. 29W Co. Lane State KS No. of Charts 5
Well Name And Number Splitter B-1 Tester Mitch Dougherty
Contractor Abercrombie Drllg. Rig No. #1 Co. Rep. Orlin Phelps

Formation Marmaton Zone _____ Type of Test Conventional

DST# 2 Interval 4,408 To 4,445 Total Depth 4,445
Open 30 9:30 Shut In 60 10:00 Open 30 11:00 Shut In 60 11:30
Packer(s) Set 9:28 ~~XXX~~ Started off Bottom 12:30 ~~XXX~~ AM
Blow Good, strong blow off bottom of bucket in 6 mins. Blew throughout open.
Good, strong blow off bottom of bucket in 7 mins. Blew throughout open.

Recovery Total Feet 1,080
Recovered 240 Ft. of Gas in pipe
Recovered 60 Ft. of Clean oil
Recovered 120 Ft. of Muddy oil
Recovered 60 Ft. of Oil cut water
Recovered 840 Ft. of Slightly oil cut water
Recovered _____ Ft. of _____
Gravity (Oil) 32 Corrected To Temp. 60 Water Chlorides 28,000

Pressures & Temp. Initial Hydrostatic Pressure 2,271 Final Hydrostatic Pressure 2,249
Initial Closed In Pressure 1,237 Final Closed In Pressure 1,203
Initial Flow Pressure 92 To 253 Final Flow Pressure 380 To 461
Test Area Temperature 130
(Office Reading if Applicable)

Engineering Date Elevation 2,806 K.B.
Mud Viscosity 49 Mud Weight 9.3 Water Loss 8.8
Chlorides 6,000 P.P.M. Type of Mud Driscose Anchor Length 37'
Hole Size 7-7/8 Casing Size 8-5/8 Surface Choke 3/4 Bottom Choke 3/4
Drill Pipe Length 3,684 I.D. 3.8 In. Weight Pipe Length 544 I.D. 2.76 In.
Drill Collar Length 123 I.D. 2.5 In.
Top Packer Depth. 4,403 Bottom Packer Depth. 4,408 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. AK-1 13251 Clock Range No. 14074 12 Hr.
Recorder Type and No. AK-1 10994 Clock Range No. 22337 12 Hr.
Extra Equipment None
Remarks Open Hole Test. Thank You.

Price of Job \$715.00

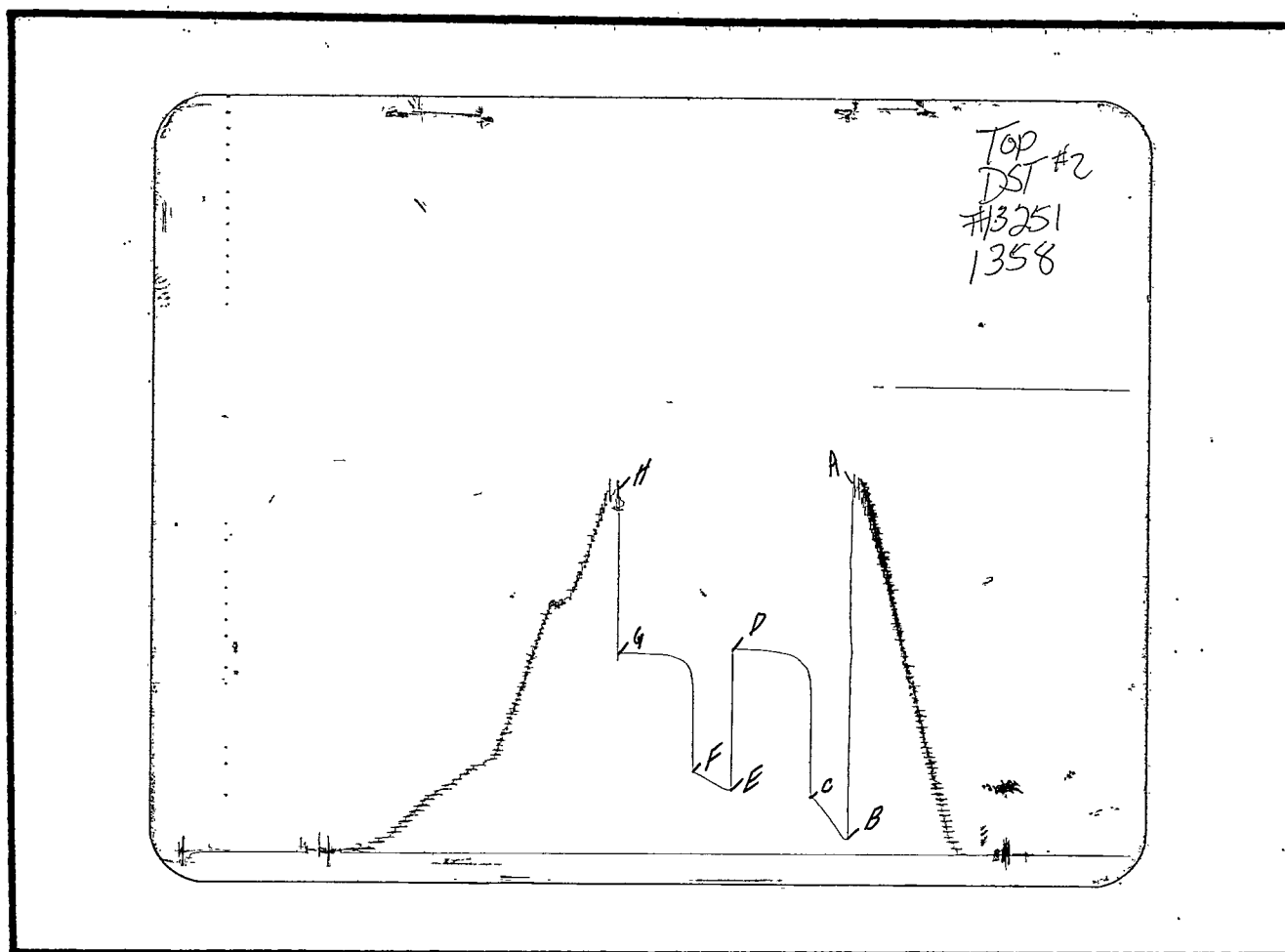
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Colorado Springs, Colorado 80901
(303) 473-6909

Well Temperature 130 °F

Open Tool	<u>9:30</u>	PM	
First Flow Pressure	<u>30</u>	Mins.	<u>29</u> Mins.
Initial Closed-in Pressure	<u>60</u>	Mins.	<u> </u> Mins.
Second Flow Pressure	<u>30</u>	Mins.	<u> </u> Mins.
Final Closed-in Pressure	<u>60</u>	Mins.	<u>57</u> Mins.

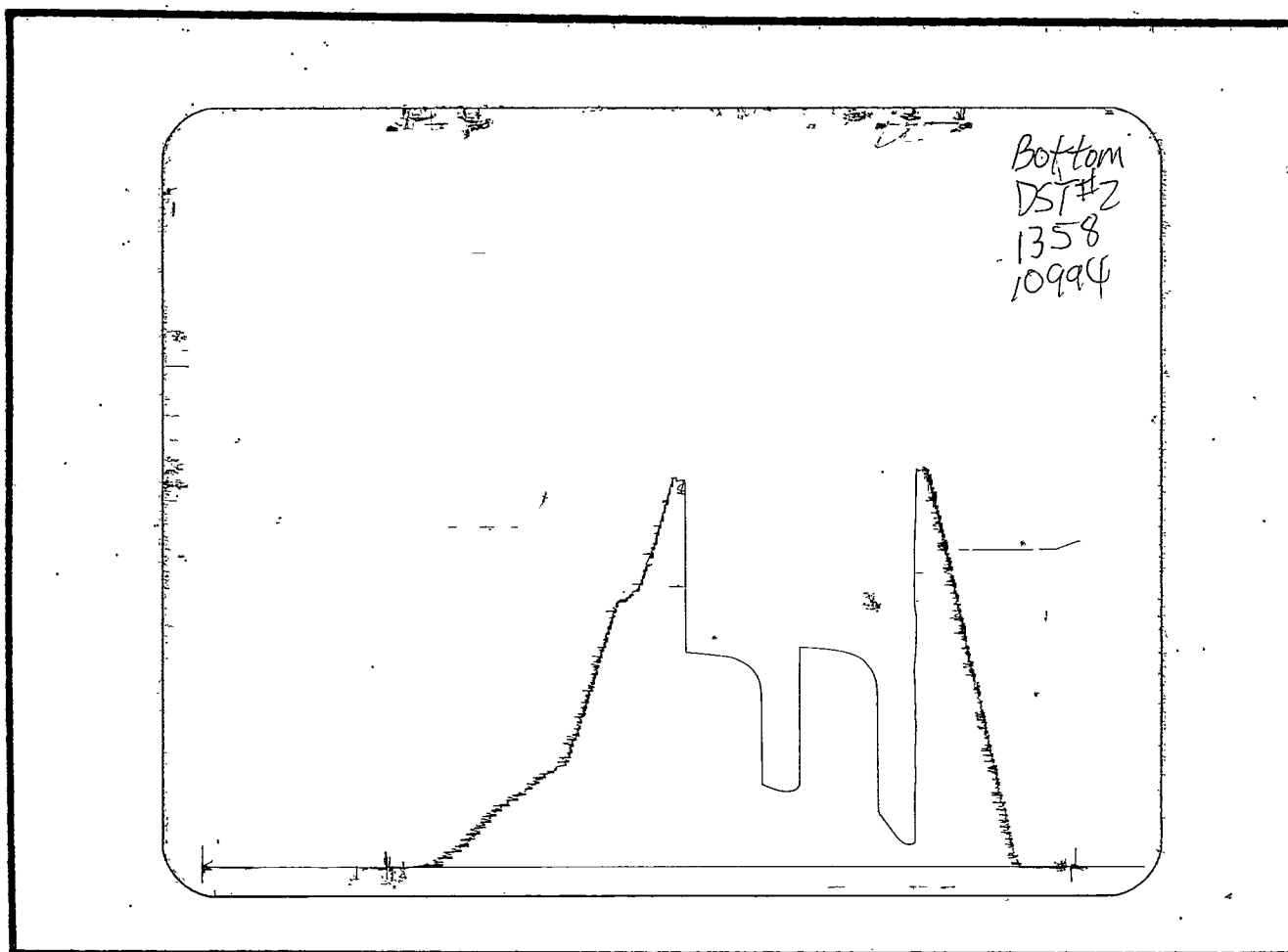
Final Shut-In
Breakdown: 11 Inc.
of 5 mins. and a
final inc. of 2 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	94	0	352	0	394	0	503
P 2 5	115	5	1,160	5	399	5	1,169
P 3 10	177	10	1,201	10	420	10	1,192
P 4 15	233	15	1,219	15	443	15	1,208
P 5 20	286	20	1,229	20	466	20	1,216
P 6 25	332	25	1,236	25	488	25	1,219
P 7 29	352	30	1,243	30	503	30	1,220
P 8		35	1,247			35	1,222
P 9		40	1,249			40	1,226
P10		45	1,252			45	1,227
P11		50	1,253			50	1,227
P12		55	1,255			55	1,227
P13		60	1,256			57	1,227
P14							
P15							
P16							
P17							
P18							
P19							
P20							



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	2,271	2,267 PSI
(B) First Initial Flow Pressure	92	94 PSI
(C) First Final Flow Pressure	253	352 PSI
(D) Initial Closed-in Pressure	1,237	1,256 PSI
(E) Second Initial Flow Pressure	380	394 PSI
(F) Second Final Flow Pressure	461	503 PSI
(G) Final Closed-in Pressure	1,203	1,227 PSI
(H) Final Hydrostatic Mud	2,249	2,218 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



DRILL STEM TEST RECOVERY ANALYSIS

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

COMPANY: Abercrombie & Associates
SEC: 35 Twp: 18S Rge: 29W

LEASE: Splitter B-1
COUNTY: Lane

DST# 2 #1358
STATE: KS

VISUAL DST RECOVERY: 240' Gas - 60' Clean oil - 120' Muddy oil -
60' Oil cut water - 840' Slightly oil cut water

CENTIFUDGE PERCENTAGE ANALYSIS

Sample #	Feet of FLUID	Percent of GAS	Percent of OIL	Percent of WATER	Percent of MUD
1	60	0	100	0	0
2	60	10	52	26	12
3	60	10	28	50	12
4	60	5	10	70	15
5	60	0	2	88	10
6	60	0	2	94	4
7	60	0	2	94	4
8	60	0	2	94	4
9	120	0	2	95	3
10	120	0	2	96	2
11	120	0	2	96	2
12	120	0	Scum	98	2
13	120	0	Scum	98	2

CALCULATED FLUID RECOVERY FROM PERCENTAGES

(Formula for Calculation)

Percent of individual fluid x Total footage represented in sample

SAMPLE #	TOTAL FOOT-AGE	GAS					OIL					WATER					MUD				
		%	x	Total	=	Feet	%	x	Total	=	Feet	%	x	Total	=	Feet	%	x	Total	=	Feet
1	60	0	x	60	=	0	100	x	60	=	60.0	0	x	60	=	0	0	x	60	=	0
2	60	10	x	60	=	6.	52	x	60	=	31.2	26	x	60	=	15.6	12	x	60	=	7.2
3	60	10	x	60	=	6.	28	x	60	=	16.8	50	x	60	=	30.	12	x	60	=	7.2
4	60	5	x	60	=	3.	10	x	60	=	6.	70	x	60	=	42.	15	x	60	=	9.
5	60	0	x	60	=	0	2	x	60	=	1.2	88	x	60	=	52.8	10	x	60	=	6.
6	60	0	x	60	=	0	2	x	60	=	1.2	94	x	60	=	56.4	4	x	60	=	2.4
7	60	0	x	60	=	0	2	x	60	=	1.2	94	x	60	=	56.4	4	x	60	=	2.4
8	60	0	x	60	=	0	2	x	60	=	1.2	94	x	60	=	56.4	4	x	60	=	2.4
9	120	0	x	120	=	0	2	x	120	=	2.4	95	x	120	=	114.	3	x	120	=	3.6
10	120	0	x	120	=	0	2	x	120	=	2.4	96	x	120	=	115.2	2	x	120	=	2.4
11	120	0	x	120	=	0	2	x	120	=	2.4	96	x	120	=	115.2	2	x	120	=	2.4
12	120	0	x	120	=	0	0	x	120	=	0	98	x	120	=	117.6	2	x	120	=	2.4
13	120	0	x	120	=	0	0	x	120	=	0	98	x	120	=	117.6	2	x	120	=	2.4
Totals						15.					126.					889.2					49.8

CALCULATED DST RECOVERY = GAS 15.0'

CHLORIDES MUD SYSTEM 6,000 PPM OIL 126.0

CHLORIDES DST WATER 28,000 PPM WTR 889.2

GRAVITY OF OIL 32° corrected to 60° MUD 49.8

TOTAL FLUID 1,080.0'