CHENEY TESTING COMPANY

P. O. BOX 3 HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company	Oil Capital Corp.	Test No.	1
Well Name & Number	James #1	Zone Tested	Lansing "A"
Company Address	Wichita, Ks.	Date	10-15-81
Comp. Rep.	Illaus Kollmai	Tester	Cris Connolly
Contractor	Abercrombie Drlg.	Elevation	2781 K.B.
Location: Sec. 19 Twp. 6s Rge. 28w Co. Lane	State Ks.	Est. Feet of Pay	

Recorder No. 13278 Type AK-1 Range 4400 PSI

Recorder Depth 3984

(A) Initial Hydrostatic Mud 1907 PSI

(B) First Initial Flow Pressure 122 PSI

(C) First Final Flow Pressure 336 PSI

(D) Initial Closed-in Pressure 1084 PSI

(E) Second Initial Flow Pressure 408 PSI

(F) Second Final Flow Pressure 674 PSI

(G) Final Closed-in Pressure 1094 PSI

(H) Final Hydrostatic Mud 1886 PSI

Temperature

Mud Weight 9.2 Viscosity 40

Fluid Loss 8.0

Interval Tested 3958-3990

Anchor Length 32'

Top Packer Depth 3953

Bottom Packer Depth 3958

Total Depth 3990

Drill Pipe Size 4½ XH

Wt. Pipe I. D. 3.25 Ft. Run 319

Recovery—Total Feet 2,000

Recorder No. 10983 Type AK-1 Range 4100 PSI

Recorder Depth 3987

Tool Open Before I. S. I. 30 Mins.

Initial Shut-in 45 Mins.

Flow Period 60 Mins.

Final Shut-in 60 Mins.

Surface Choke Size 1"

Bottom Choke Size ¾"

Main Hole Size 7⅞"

Rubber Size 6¾"

Tool Open @ 3:55 P.M.

Blow STRONG BLOW THROUGHOUT TEST.

Remarks

Drill Collar I. D. Ft. Run

Recovered 1660 Feet Of FREE OIL.

Recovered 120 Feet Of SETTLEMENT OVER NIGHT.

Recovered 215 Feet Of MUDDY SALT WATER WITH OIL.

Recovered 5 Feet Of OIL CUT MUD.

DST- $700.00

SAFETY JOINT-$ 60.00

DOWN HOLE INSURANCE-$ 50.00

Equipment SAFETY JOINT

Price of Job $810.00

CHENEY TESTING COMPANY
Pressure Data

Date 10-15-81 Test Ticket No. 4321

Recorder No. 10983 Capacity 4100 Location 3987 Ft.

Clock No. 23858 Elevation 2781 K.B. Well Temperature °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1902 P.S.I.		Open Tool	3:55 P.M	
B	First Initial Flow Pressure	116 P.S.I.		First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	333 P.S.I.		Initial Closed-in Pressure	45 Mins.	48 Mins.
D	Initial Closed-in Pressure	1082 P.S.I.		Second Flow Pressure	60 Mins.	58 Mins.
E	Second Initial Flow Pressure	419 P.S.I.		Final Closed-in Pressure	60 Mins.	58 Mins.
F	Second Final Flow Pressure	669 P.S.I.				
G	Final Closed-in Pressure	1082 P.S.I.				
H	Final Hydrostatic Mud	1881 P.S.I.				

PRESSURE BREAKDOWN

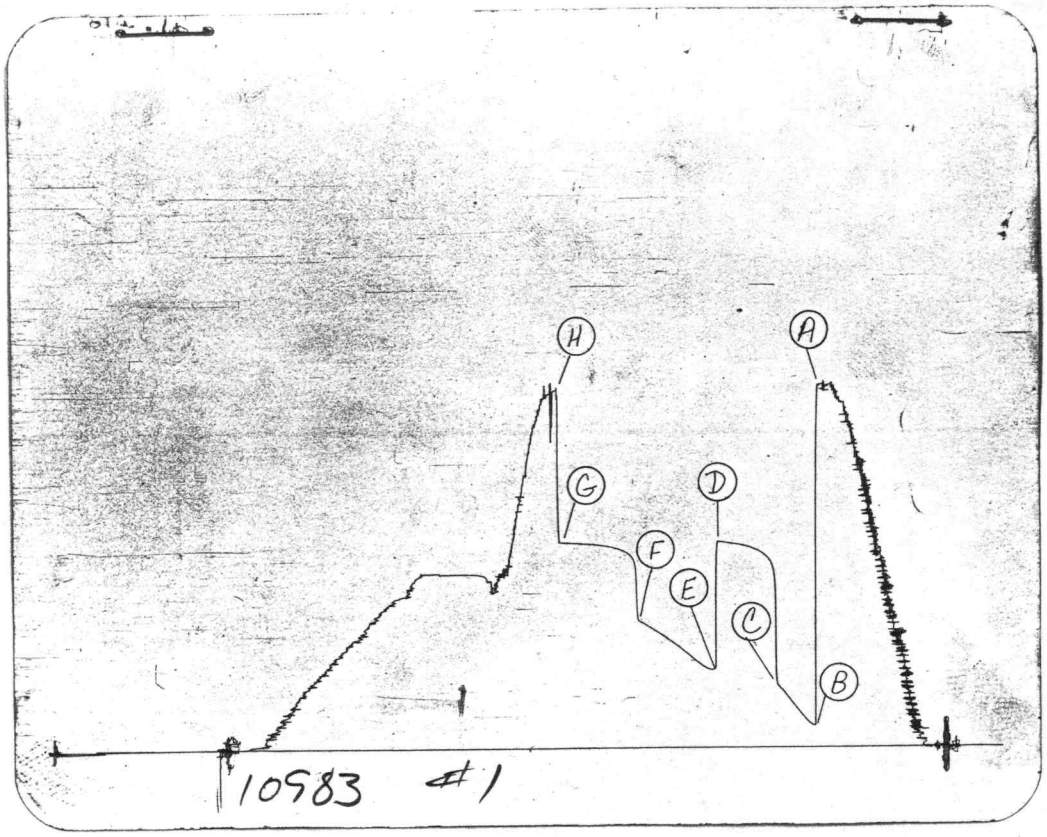
First Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Initial Shut-In
Breakdown: 8 Inc.
of 5 mins. and a
final inc. of 3 Min.

Second Flow Pressure
Breakdown: 11 Inc.
of 5 mins. and a
final inc. of 3 Min.

Final Shut-In
Breakdown: 11 Inc.
of 5 mins. and a
final inc. of 3 Min.

Point	Mins.	Press.	Point	Minutes	Press.	Point	Minutes	Press.	Point	Minutes	Press.
P 1	0	116		0	333		0	419		0	669
P 2	5	133		5	980		5	415		5	1005
P 3	10	173		10	1021		10	434		10	1035
P 4	15	219		15	1041		15	462		15	1049
P 5	20	264		20	1056		20	492		20	1058
P 6	25	306		25	1064		25	522		25	1064
P 7	30	333		30	1066		30	548		30	1068
P 8				35	1075		35	574		35	1072
P 9				40	1080		40	599		40	1074
P10				48	1082		45	622		45	1077
P11							50	644		50	1079
P12							55	663		55	1080
P13							58	669		58	1082
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	1907	1902	PSI
(B)	First Initial Flow Pressure	122	116	PSI
(C)	First Final Flow Pressure	336	333	PSI
(D)	Initial Closed-in Pressure	1084	1082	PSI
(E)	Second Initial Flow Pressure	408	419	PSI
(F)	Second Final Flow Pressure	674	669	PSI
(G)	Final Closed-in Pressure	1094	1082	PSI
(H)	Final Hydrostatic Mud	1886	1881	PSI

CHENEY TESTING COMPANY

P. O. BOX 3 HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company	Oil Capital Corp.	Test No.	2
Well Name & Number	James #1	Zone Tested	Lansing "B"
Company Address	Wichita, Ks.	Date	10-16-81
Comp. Rep.	Klaus Kollmai	Tester	Cris Connolly
Contractor	Abercrombie Drlg.	Elevation	2781 K.B.
Location: Sec. 19 Twp. 16s Rge. 28w Co. Lane	State Ks.	Est. Feet of Pay	

Recorder No. 13278 Type AK-1 Range 4400 PSI

Recorder Depth 4020

(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

Temperature ____

Mud Weight 9.1 Viscosity 41

Fluid Loss 8.0

Interval Tested 3990-4025

Anchor Length 35'

Top Packer Depth 3985

Bottom Packer Depth 3990

Total Depth 4025

Drill Pipe Size 4½ XH

Wt. Pipe I. D. ____ Ft. Run 319

Recovery—Total Feet ____

Recovered ____ Feet Of ____

Recovered ____ Feet Of ____

Recovered ____ Feet Of ____

Recovered ____ Feet Of ____

Extra Equipment safety joint

Recorder No. 10983 Type AK-1 Range 4100 PSI

Recorder Depth 4023

Tool Open Before I. S. I. 30 Mins.

Initial Shut-in ____ Mins.

Flow Period ____ Mins.

Final Shut-in ____ Mins.

Surface Choke Size 1"

Bottom Choke Size ¾"

Main Hole Size 7⅞"

Rubber Size 6¾"

Tool Open @ ____

Blow ____

Remarks MISRUN.

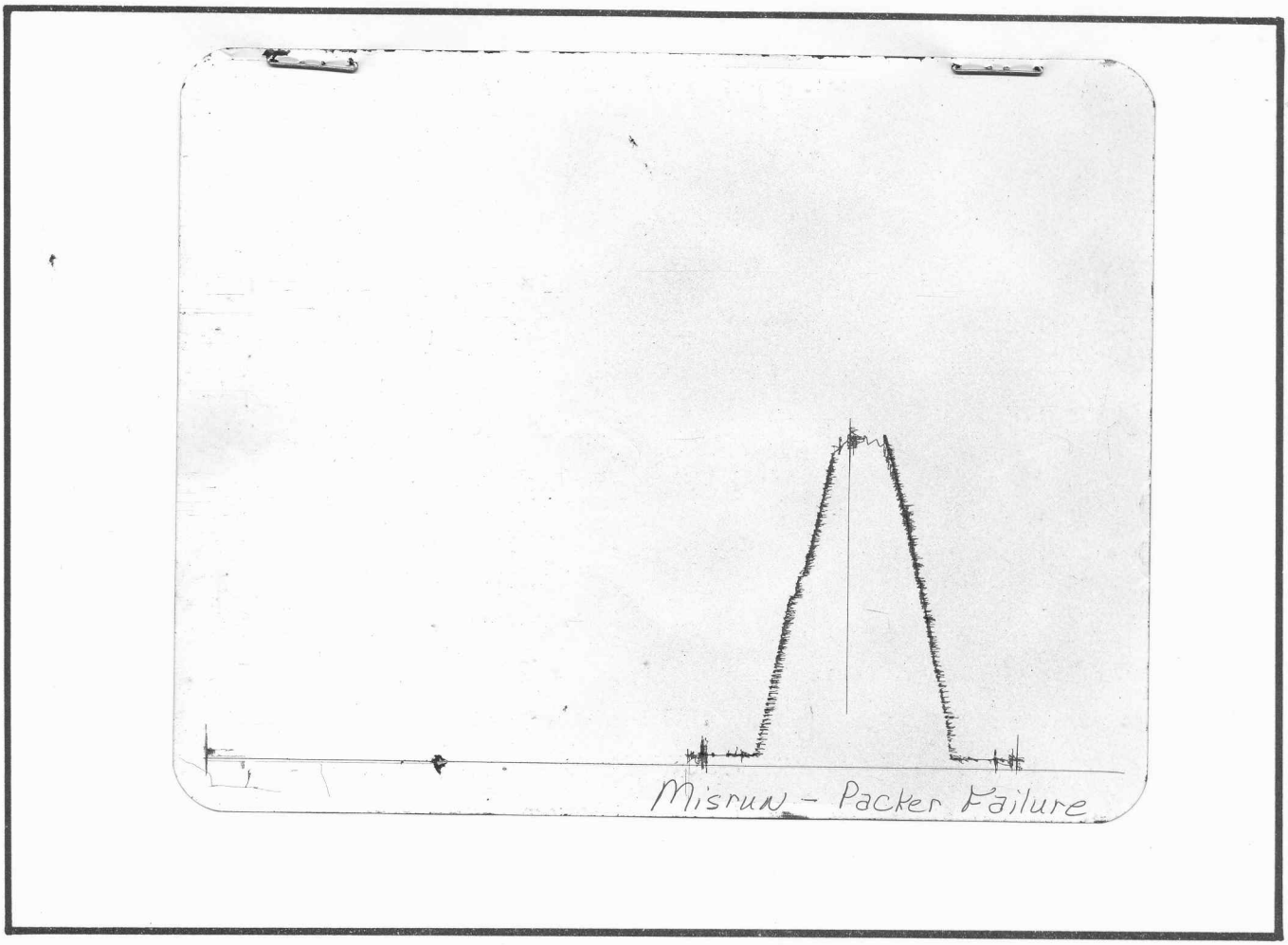
PACKER FAILURE.

Drill Collar I. D. ____ Ft. Run ____

MISRUN- $330.00

SAFETY JOINT- $ 60.00

Price of Job $390.00



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

CHENEY TESTING COMPANY

P. O. BOX 3 HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company	Oil Capital Corp.	Test No.	3
Well Name & Number	James #1	Zone Tested	Lansing
Company Address	Wichita, Ks.	Date	10-17-81
Comp. Rep.	Klaus Kollmai	Tester	Cris Connolly
Contractor	Abercrombie Drlg.	Elevation	2781 K.B.
Location: Sec. 19 Twp. 16s Rge. 28n Co. Lane State Ks.		Est. Feet of Pay	

Recorder No. 13278 Type AK-1 Range 4400 PSI

Recorder Depth 4050

(A) Initial Hydrostatic Mud 2020 PSI

(B) First Initial Flow Pressure 112 PSI

(C) First Final Flow Pressure 204 PSI

(D) Initial Closed-in Pressure 1104 PSI

(E) Second Initial Flow Pressure 224 PSI

(F) Second Final Flow Pressure 275 PSI

(G) Final Closed-in Pressure 1125 PSI

(H) Final Hydrostatic Mud 1938 PSI

Temperature

Mud Weight 8.9 Viscosity 47

Fluid Loss 7.2

Interval Tested 4000-4056

Anchor Length 56'

Top Packer Depth 3995

Bottom Packer Depth 4000

Total Depth 4056

Drill Pipe Size 4½ XH

Wt. Pipe I. D. Ft. Run 319

Recovery—Total Feet 732

Recovered 520 Feet Of FREE OIL.

Recovered 212 Feet Of OIL CUT MUD.

Recovered Feet Of

Recovered Feet Of

Extra Equipment SAFETY JOINT

Recorder No. 10983 Type AK-1 Range 4100 PSI

Recorder Depth 4053

Tool Open Before I. S. I. 30 Mins.

Initial Shut-in 30 Mins.

Flow Period 30 Mins.

Final Shut-in 45 Mins.

Surface Choke Size 1"

Bottom Choke Size ¾"

Main Hole Size 7⅞"

Rubber Size 6¾"

Tool Open @ 2:40 P.M.

Blow STRONG BLOW THROUGHOUT TEST.

Remarks HAD GAS TO SURFACE.

Drill Collar I. D. Ft. Run

DST- $750.00

SAFETY JOINT- $ 60.00

Price of Job $810.00

CHENEY TESTING COMPANY
Pressure Data

Date 10-17-81 Test Ticket No. 4323

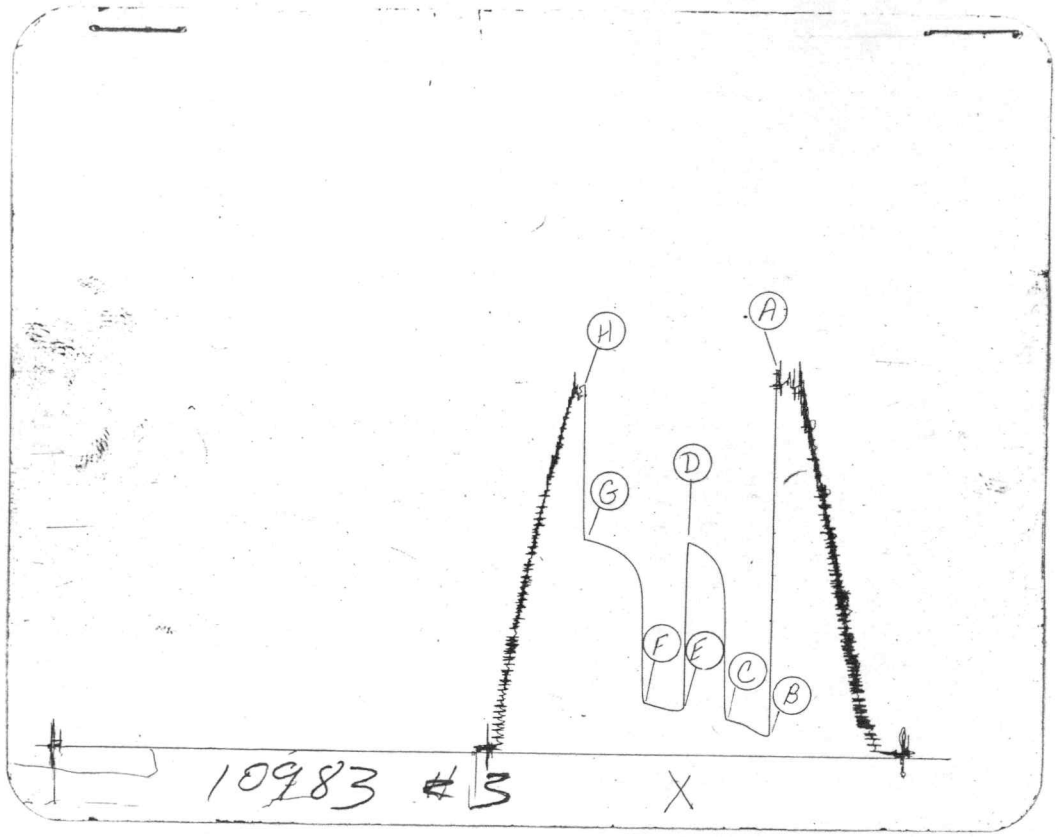
Recorder No. 10983 Capacity 4400 Location 4050 Ft.

Clock No. 25560 Elevation 2781 K.B. Well Temperature – °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	2027 P.S.I.	Open Tool	2:40 P.M	
B	First Initial Flow Pressure	115 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	188 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D	Initial Closed-in Pressure	1116 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E	Second Initial Flow Pressure	249 P.S.I.	Final Closed-in Pressure	45 Mins.	45 Mins.
F	Second Final Flow Pressure	275 P.S.I.			
G	Final Closed-in Pressure	1123 P.S.I.			
H	Final Hydrostatic Mud	1938 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: 9 Inc.	
of 5 mins. and a		of 5 mins. and a		of 5 mins. and a		of 5 mins. and a	
final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	115	0	188	0	249	0	275
P 2 5	112	5	906	5	233	5	952
P 3 10	129	10	1007	10	237	10	1020
P 4 15	151	15	1053	15	245	15	1044
P 5 20	168	20	1081	20	255	20	1066
P 6 25	178	25	1101	25	265	25	1084
P 7 30	188	30	1116	30	275	30	1098
P 8						35	1109
P 9						40	1118
P10						45	1123
P11							
P12							
P13							
P14							
P15							
P16							
P17							



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2020	2027	PSI
(B)	First Initial Flow Pressure	112	115	PSI
(C)	First Final Flow Pressure	204	188	PSI
(D)	Initial Closed-in Pressure	1104	1116	PSI
(E)	Second Initial Flow Pressure	224	249	PSI
(F)	Second Final Flow Pressure	275	275	PSI
(G)	Final Closed-in Pressure	1125	1123	PSI
(H)	Final Hydrostatic Mud	1938	1938	PSI

CHENEY TESTING COMPANY

P. O. BOX 3 HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company	Oil Capital Corp.	Test No.	4
Well Name & Number	James #1	Zone Tested	Wyandotte
Company Address	Wichita, Ks.	Date	10-18-81
Comp. Rep.	Klaus Kollmai	Tester	Cris Connolly
Contractor	Abercrombie Drlg.	Elevation	2781 K.B.
Location: Sec. 19 Twp. 16w Rge. 28n Co. Lane	State Ks.	Est. Feet of Pay	

Recorder No. 13278 Type AK-1 Range 4400 PSI

Recorder Depth 4124

(A) Initial Hydrostatic Mud 2051 PSI

(B) First Initial Flow Pressure 193 PSI

(C) First Final Flow Pressure 756 PSI

(D) Initial Closed-in Pressure 1176 PSI

(E) Second Initial Flow Pressure 827 PSI

(F) Second Final Flow Pressure 1002 PSI

(G) Final Closed-in Pressure 1187 PSI

(H) Final Hydrostatic Mud 1897 PSI

Temperature

Mud Weight 8.9 Viscosity 47

Fluid Loss 7.2

Interval Tested 4060-4130

Anchor Length 70'

Top Packer Depth 4055

Bottom Packer Depth 4060

Total Depth 4130

Drill Pipe Size 4½ XH

Wt. Pipe I. D. Ft. Run 319

Recovery—Total Feet 2200

Recorder No. 10983 Type AK-1 Range 4100 PSI

Recorder Depth 4127

Tool Open Before I. S. I. 30 Mins.

Initial Shut-in 30 Mins.

Flow Period 30 Mins.

Final Shut-in 45 Mins.

Surface Choke Size 1"

Bottom Choke Size ¾"

Main Hole Size 7⅞"

Rubber Size 6¾"

Tool Open @ 10:20 A.M.

Blow STRONG BLOW THROUGHOUT TEST.

Remarks

Drill Collar I. D. Ft. Run

Recovered 90 Feet Of OIL CUT MUD

Recovered 2110 Feet Of WATERY MUD WITH OIL.

Recovered Feet Of

Recovered Feet Of

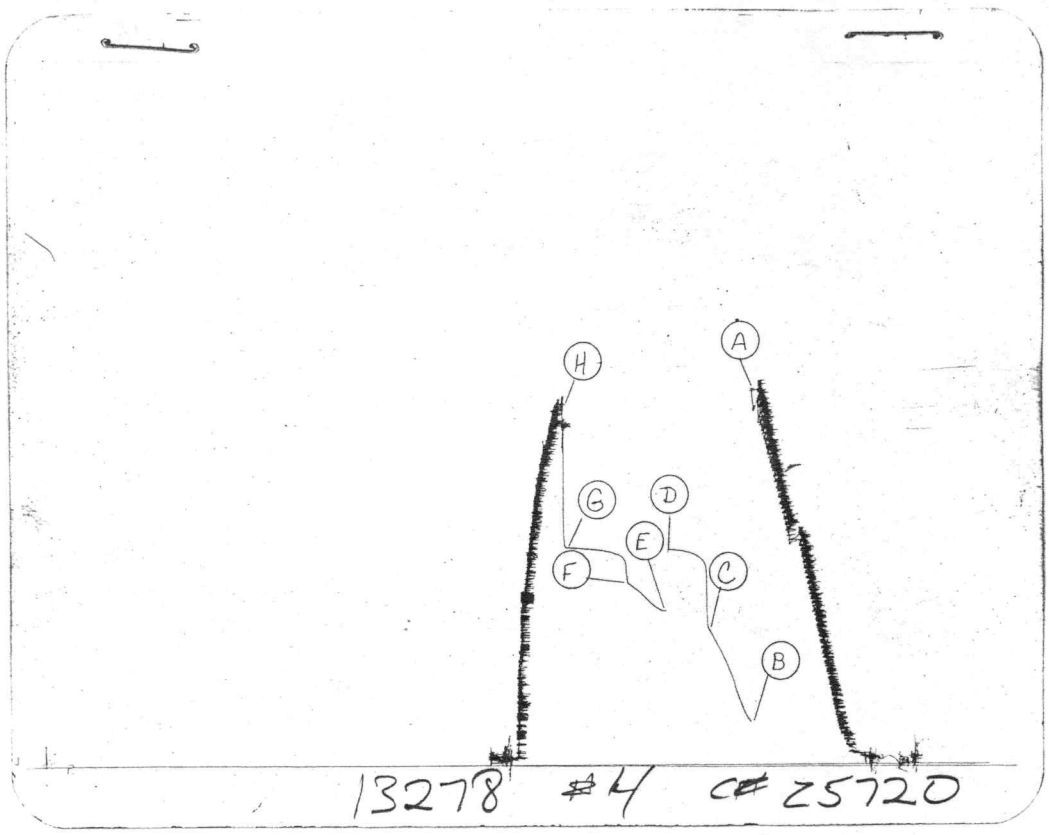
Extra Equipment SAFETY JOINT, CIRCULATING SUB

DST- $750.00

SAFETY JOINT- $ 60.00

CIRCULATING SUB- $ 30.00

Price of Job $840.00



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2051		PSI
(B)	First Initial Flow Pressure	193		PSI
(C)	First Final Flow Pressure	756		PSI
(D)	Initial Closed-in Pressure	1176		PSI
(E)	Second Initial Flow Pressure	827		PSI
(F)	Second Final Flow Pressure	1002		PSI
(G)	Final Closed-in Pressure	1187		PSI
(H)	Final Hydrostatic Mud	1897		PSI

CHENEY TESTING COMPANY

P. O. BOX 3 HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company	Oil Capital Corp.	Test No.	5
Well Name & Number	James #1	Zone Tested	
Company Address	Wichita, Ks.	Date	10-19-81
Comp. Rep.	Klaus Kollmai	Tester	Cris Connolly
Contractor	Abercrombie Drlg.	Elevation	2781 KB.
Location: Sec. 19 Twp. 16s Rge. 28n Co. Lane		State Ks.	Est. Feet of Pay

Recorder No. 13278 Type AK-1 Range 4400 PSI

Recorder Depth 4154

(A) Initial Hydrostatic Mud 2082 PSI

(B) First Initial Flow Pressure 71 PSI

(C) First Final Flow Pressure 112 PSI

(D) Initial Closed-in Pressure 1146 PSI

(E) Second Initial Flow Pressure 132 PSI

(F) Second Final Flow Pressure 183 PSI

(G) Final Closed-in Pressure 1156 PSI

(H) Final Hydrostatic Mud 2020 PSI

Temperature

Mud Weight Viscosity 58

Fluid Loss 8.0

Interval Tested 4138-4160

Anchor Length 22'

Top Packer Depth 4133

Bottom Packer Depth 4138

Total Depth 4160

Drill Pipe Size 4½ XH

Wt. Pipe I. D. Ft. Run 319

Recovery—Total Feet 506

Recovered 382 Feet Of FREE OIL.

Recovered 124 Feet Of HEAVILY OIL CUT MUD.

Recovered Feet Of

Recovered Feet Of

Extra Equipment SAFETY JOINT

Recorder No. 10983 Type AK-1 Range 4100 PSI

Recorder Depth 4157

Tool Open Before I. S. I. 30 Mins.

Initial Shut-in 45 Mins.

Flow Period 45 Mins.

Final Shut-in 60 Mins.

Surface Choke Size 1"

Bottom Choke Size ¾"

Main Hole Size 7⅞"

Rubber Size 6¾"

Tool Open @ 3:30 A.M.

Blow STRONG BLOW THROUGHOUT TEST. GAS TO

Remarks SURFACE IN 20 MIN.

Drill Collar I. D. Ft. Run

DSt- $750.00

SAFETY JOINT- $ 60.00

Price of Job $810.00

CHENEY TESTING COMPANY
Pressure Data

Date 10-19-81 Test Ticket No. 4325

Recorder No. 10983 Capacity 4100 Location 4157 Ft.

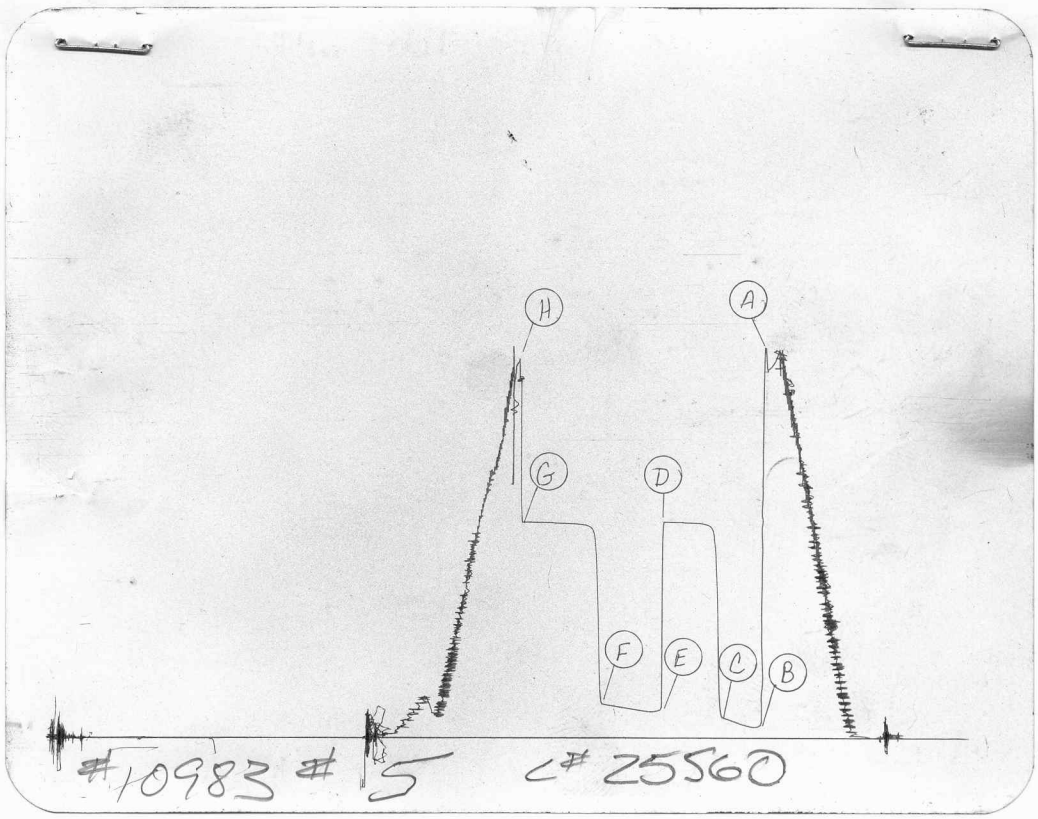
Clock No. 25560 Elevation 2781 KB Well Temperature - °F

Point		Pressure	
A	Initial Hydrostatic Mud	2021	P.S.I.
B	First Initial Flow Pressure	82	P.S.I.
C	First Final Flow Pressure	111	P.S.I.
D	Initial Closed-in Pressure	1150	P.S.I.
E	Second Initial Flow Pressure	156	P.S.I.
F	Second Final Flow Pressure	180	P.S.I.
G	Final Closed-in Pressure	1148	P.S.I.
H	Final Hydrostatic Mud	1918	P.S.I.

	Time Given	Time Computed
Open Tool	3:30 A.M	
First Flow Pressure	30 Mins.	30 Mins.
Initial Closed-in Pressure	45 Mins.	45 Mins.
Second Flow Pressure	45 Mins.	45 Mins.
Final Closed-in Pressure	60 Mins.	58 Mins.

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 6 Inc.		Breakdown: 9 Inc.		Breakdown: 9 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 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 3 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	82	0	111	0	156	0	180
P 2 5	59	5	1103	5	141	5	1101
P 3 10	65	10	1137	10	141	10	1130
P 4 15	74	15	1144	15	146	15	1137
P 5 20	88	20	1146	20	153	20	1140
P 6 25	102	25	1147	25	158	25	1141
P 7 30	111	30	1150	30	164	30	1142
P 8		35	1150	35	170	35	1146
P 9		40	1150	40	176	40	1147
P10		45	1150	45	180	45	1147
P11						50	1148
P12						55	1148
P13						58	1148
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	2082	2021	PSI
(B)	First Initial Flow Pressure	71	82	PSI
(C)	First Final Flow Pressure	112	111	PSI
(D)	Initial Closed-in Pressure	1146	1150	PSI
(E)	Second Initial Flow Pressure	132	156	PSI
(F)	Second Final Flow Pressure	183	180	PSI
(G)	Final Closed-in Pressure	1156	1148	PSI
(H)	Final Hydrostatic Mud	2020	1918	PSI

CHENEY TESTING COMPANY

P. O. BOX 3 HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company	Oil Capital Corp.	Test No.	6
Well Name & Number	James #1	Zone Tested	K.C.
Company Address	Wichita, KS.	Date	10-19-81
Comp. Rep.	Klaus Kollmai	Tester	Cris Connolly
Contractor	Abercrombie Drlg.	Elevation	2781 K.B
Location: Sec. 19 Twp. 16s Rge. 28n Co. Lane State Ks.		Est. Feet of Pay	

Recorder No. 13278 Type AK-1 Range 4400 PSI

Recorder Depth 4184

(A) Initial Hydrostatic Mud 2082 PSI

(B) First Initial Flow Pressure 122 PSI

(C) First Final Flow Pressure 408 PSI

(D) Initial Closed-in Pressure 1053 PSI

(E) Second Initial Flow Pressure 510 PSI

(F) Second Final Flow Pressure 694 PSI

(G) Final Closed-in Pressure 1053 PSI

(H) Final Hydrostatic Mud 2020 PSI

Temperature

Mud Weight 8.9 Viscosity 68

Fluid Loss 8.0

Interval Tested 4171-4190

Anchor Length 22

Top Packer Depth 4166

Bottom Packer Depth 4171

Total Depth 4190

Drill Pipe Size 4½ XH

Wt. Pipe I. D. Ft. Run 319

Recovery—Total Feet 1890

Recovered 1549 Feet Of GASSY FREE OIL.

Recovered 31 Feet Of HEAVILY MUD CUT OIL.

Recovered 310 Feet Of MUDDY SALT WATER.

Recovered Feet Of

Extra Equipment SAFETY JOINT

Recorder No. 10983 Type AK-1 Range 4100 PSI

Recorder Depth 4187

Tool Open Before I. S. I. 30 Mins.

Initial Shut-in 45 Mins.

Flow Period 45 Mins.

Final Shut-in 60 Mins.

Surface Choke Size 1"

Bottom Choke Size ¾"

Main Hole Size 7⅞"

Rubber Size 6¾"

Tool Open @ 6:50 P.M.

Blow STRONG BLOW THROUGHOUT TEST.

Remarks GRAVITY 39.
GAS TO SURFACE IN 15 MIN.

Drill Collar I. D. Ft. Run

DST- $750.00

SAFETY JOINT- $ 60.00

Price of Job $810.00

CHENEY TESTING COMPANY
Pressure Data

Date 10-19-81 Test Ticket No. 4276

Recorder No. 10983 Capacity 4150 Location 4187 Ft.

Clock No. 25560 Elevation 2781 K.B. Well Temperature – °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2088	P.S.I.	Open Tool	6:50 P.M	
B	First Initial Flow Pressure	132	P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	417	P.S.I.	Initial Closed-in Pressure	45 Mins.	43 Mins.
D	Initial Closed-in Pressure	1062	P.S.I.	Second Flow Pressure	45 Mins.	43 Mins.
E	Second Initial Flow Pressure	508	P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F	Second Final Flow Pressure	701	P.S.I.			
G	Final Closed-in Pressure	1056	P.S.I.			
H	Final Hydrostatic Mud	2011	P.S.I.			

PRESSURE BREAKDOWN

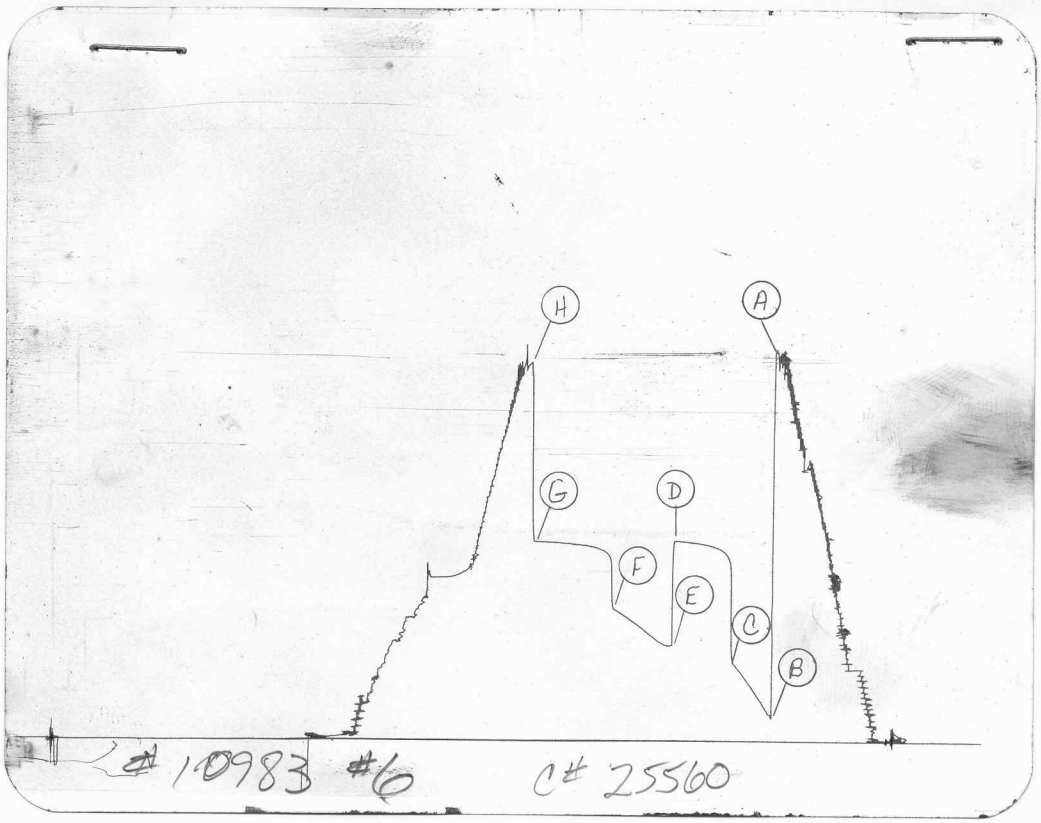
First Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Initial Shut-In
Breakdown: 8 Inc.
of 5 mins. and a
final inc. of 3 Min.

Second Flow Pressure
Breakdown: 8 Inc.
of 5 mins. and a
final inc. of 3 Min.

Final Shut-In
Breakdown: 12 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point	Mins.	Press.	Point	Minutes	Press.	Point	Minutes	Press.	Point	Minutes	Press.
P 1	0	132		0	417		0	508		0	701
P 2	5	177		5	1002		5	508		5	997
P 3	10	235		10	1024		10	528		10	1017
P 4	15	288		15	1038		15	557		15	1028
P 5	20	341		20	1046		20	586		20	1034
P 6	25	387		25	1052		25	614		25	1040
P 7	30	417		30	1056		30	639		30	1043
P 8				35	1060		35	664		35	1044
P 9				40	1062		40	688		40	1050
P10				43	1062		43	701		45	1052
P11										50	1053
P12										55	1055
P13										60	1056
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	2082	2088	PSI
(B)	First Initial Flow Pressure	122	132	PSI
(C)	First Final Flow Pressure	408	417	PSI
(D)	Initial Closed-in Pressure	1053	1062	PSI
(E)	Second Initial Flow Pressure	510	508	PSI
(F)	Second Final Flow Pressure	694	701	PSI
(G)	Final Closed-in Pressure	1053	1056	PSI
(H)	Final Hydrostatic Mud	2020	2011	PSI

CHENEY TESTING COMPANY

P. O. BOX 3 HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company	Oil Capital Corp.	Test No.	7
Well Name & Number	James #1	Zone Tested	K.C. "SWOPE"
Company Address	Wichita, Ks.	Date	10-20-81
Comp. Rep.	Klaus Kollmai	Tester	Cris Connolly
Contractor	Abercrombie Drlg.	Elevation	2781 K.B.
Location: Sec. 19 Twp. 16s Rge. 28n Co. Lane State Ks.		Est. Feet of Pay	

Recorder No. 13278 Type AK-1 Range 4400 PSI

Recorder Depth 4213

(A) Initial Hydrostatic Mud 2000 PSI

(B) First Initial Flow Pressure 61 PSI

(C) First Final Flow Pressure 71 PSI

(D) Initial Closed-in Pressure 570 PSI

(E) Second Initial Flow Pressure 81 PSI

(F) Second Final Flow Pressure 102 PSI

(G) Final Closed-in Pressure - PSI

(H) Final Hydrostatic Mud 1897 PSI

Temperature

Mud Weight 8.8 Viscosity 51

Fluid Loss 8.0

Interval Tested 4200-4220

Anchor Length 20

Top Packer Depth 4195

Bottom Packer Depth 4200

Total Depth 4220

Drill Pipe Size 4½ XH

Wt. Pipe I. D. Ft. Run 319

Recovery—Total Feet 15

Recovered 15 Feet Of MUD.

Recovered Feet Of

Recovered Feet Of

Recovered Feet Of

Extra Equipment NONE

Recorder No. 10983 Type AK-1 Range 4100 PSI

Recorder Depth 4217

Tool Open Before I. S. I. 30 Mins.

Initial Shut-in 45 Mins.

Flow Period 30 Mins.

Final Shut-in 45 Mins.

Surface Choke Size 1"

Bottom Choke Size ¾"

Main Hole Size 7⅞"

Rubber Size 6¾"

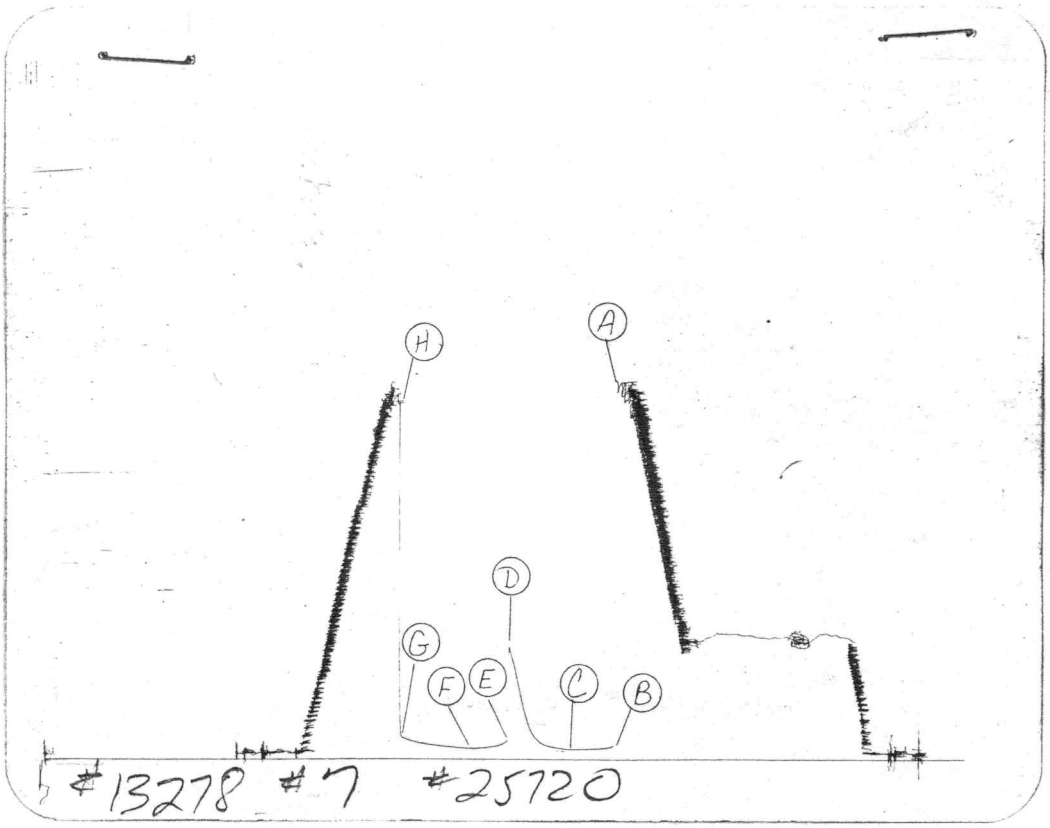
Tool Open @ 7:45 P.M.

Blow 1ST OPEN-WEAK BLOW.

Remarks 2ND OPEN-WEAK BLOW-DIED IN 15 MIN.

Drill Collar I. D. - Ft. Run -

Price of Job $750.00



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2000		PSI
(B)	First Initial Flow Pressure	61		PSI
(C)	First Final Flow Pressure	71		PSI
(D)	Initial Closed-in Pressure	570		PSI
(E)	Second Initial Flow Pressure	81		PSI
(F)	Second Final Flow Pressure	102		PSI
(G)	Final Closed-in Pressure	–		PSI
(H)	Final Hydrostatic Mud	1897		PSI

CHENEY TESTING COMPANY

P. O. BOX 3 HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company	Oil Capital Corp.	Test No.	8
Well Name & Number	James #1	Zone Tested	K.C. "L"
Company Address	Wichita, KS.	Date	10-21-81
Comp. Rep.	Klaus Kollmai	Tester	Cris Connolly
Contractor	Abercrombie Drlg.	Elevation	2781 K.B.
Location: Sec. 19 Twp. 16s Rge. 28n Co. Lane	State Ks.	Est. Feet of Pay	

Recorder No. 10983 Type AK-1 Range 4100 PSI

Recorder Depth 4274

(A) Initial Hydrostatic Mud 2113 PSI

(B) First Initial Flow Pressure 81 PSI

(C) First Final Flow Pressure 153 PSI

(D) Initial Closed-in Pressure 1135 PSI

(E) Second Initial Flow Pressure 183 PSI

(F) Second Final Flow Pressure 214 PSI

(G) Final Closed-in Pressure 1129 PSI

(H) Final Hydrostatic Mud 2102 PSI

Temperature

Mud Weight 8.8 Viscosity 61

Fluid Loss 8.0

Interval Tested 4234-4280

Anchor Length 46'

Top Packer Depth 4229

Bottom Packer Depth 4234

Total Depth 4280

Drill Pipe Size 4½ XH

Wt. Pipe I. D. - Ft. Run 319

Recovery—Total Feet 527

Recorder No. 13278 Type AK-1 Range 4400 PSI

Recorder Depth 4277

Tool Open Before I. S. I. 30 Mins.

Initial Shut-in 45 Mins.

Flow Period 30 Mins.

Final Shut-in 45 Mins.

Surface Choke Size 1"

Bottom Choke Size ¾"

Main Hole Size 7⅞"

Rubber Size 6¾"

Tool Open @ 12:40 P.M.

Blow STRONG BLOW THROUGHOUT TEST.

Remarks GAS TO SURFACE IN 20 MIN.

Drill Collar I. D. - Ft. Run -

Recovered 455 Feet Of GASSY FREE OIL.

Recovered 72 Feet Of HEAVILY OIL CUT MUD.

Recovered Feet Of

Recovered Feet Of

Extra Equipment NONE Price of Job $750.00

CHENEY TESTING COMPANY
Pressure Data

Date 10-21-81 Test Ticket No. 4278

Recorder No. 10983 Capacity 4100 Location 4274 Ft.

Clock No. 25829 Elevation 2781 K.B. Well Temperature – °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2164	P.S.I.	Open Tool	12:40 PM	
B	First Initial Flow Pressure	88	P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	158	P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D	Initial Closed-in Pressure	1139	P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E	Second Initial Flow Pressure	208	P.S.I.	Final Closed-in Pressure	45 Mins.	45 Mins.
F	Second Final Flow Pressure	221	P.S.I.			
G	Final Closed-in Pressure	1135	P.S.I.			
H	Final Hydrostatic Mud	2144	P.S.I.			

PRESSURE BREAKDOWN

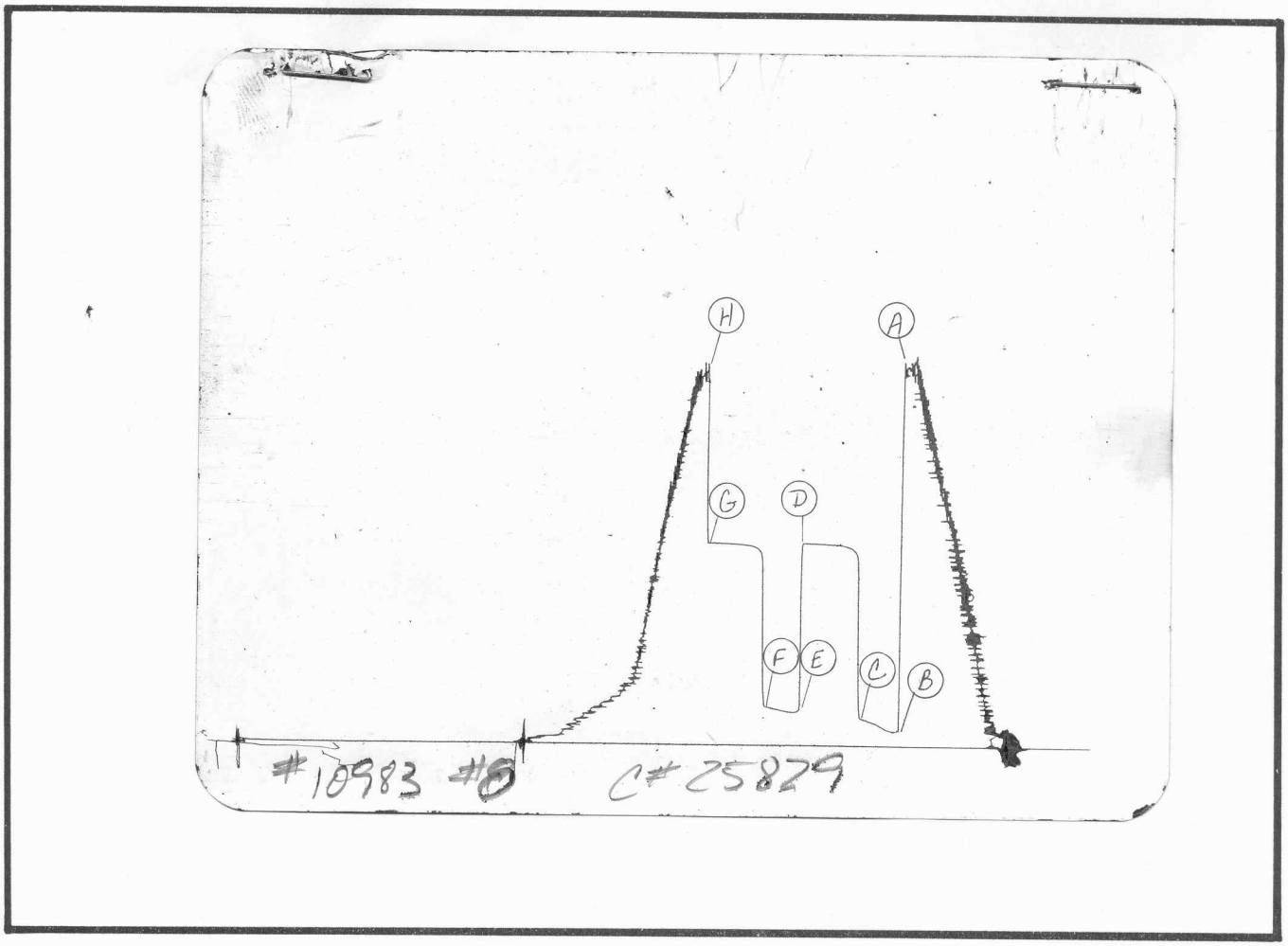
First Flow Pressure
Breakdown: 6 Inc. of 5 mins. and a final inc. of 0 Min.

Initial Shut-In
Breakdown: 9 Inc. of 5 mins. and a final inc. of 0 Min.

Second Flow Pressure
Breakdown: 6 Inc. of 5 mins. and a final inc. of 0 Min.

Final Shut-In
Breakdown: 9 Inc. of 5 mins. and a final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	88	0	158	0	208	0	221
P 2 5	85	5	179	5	189	5	1106
P 3 10	96	10	1121	10	193	10	1122
P 4 15	116	15	1130	15	209	15	1127
P 5 20	135	20	1132	20	217	20	1130
P 6 25	146	25	1135	25	221	25	1131
P 7 30	158	30	1136	30		30	1133
P 8		35	1137			35	1135
P 9		40	1138			40	1135
P10		45	1139			45	1135
P11							
P12							
P13							
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	2113	2164	PSI
(B)	First Initial Flow Pressure	81	88	PSI
(C)	First Final Flow Pressure	153	158	PSI
(D)	Initial Closed-in Pressure	1135	1139	PSI
(E)	Second Initial Flow Pressure	183	208	PSI
(F)	Second Final Flow Pressure	214	221	PSI
(G)	Final Closed-in Pressure	1129	1135	PSI
(H)	Final Hydrostatic Mud	2102	2144	PSI

CHENEY TESTING COMPANY

P. O. BOX 3 HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company	Oil Capital Corp.	Test No.	9
Well Name & Number	James #1	Zone Tested	
Company Address	Wichita, Ks.	Date	10-22-81
Comp. Rep.	Klaus Kollmai	Tester	Cris Connolly
Contractor	Abercrombie Drlg.	Elevation	2781 K.B
Location: Sec. 19 Twp. 16s Rge. 28n Co. Lane State Ks.		Est. Feet of Pay	

Recorder No. 13278 Type AK-1 Range 4400 PSI

Recorder Depth 4394

(A) Initial Hydrostatic Mud 2133 PSI

(B) First Initial Flow Pressure 102 PSI

(C) First Final Flow Pressure 102 PSI

(D) Initial Closed-in Pressure 306 PSI

(E) Second Initial Flow Pressure 91 PSI

(F) Second Final Flow Pressure 91 PSI

(G) Final Closed-in Pressure 250 PSI

(H) Final Hydrostatic Mud 1940 PSI

Temperature

Mud Weight 9.2 Viscosity 48

Fluid Loss 10.4

Interval Tested 4315-4400

Anchor Length 85'

Top Packer Depth 4310

Bottom Packer Depth 4315

Total Depth 4400

Drill Pipe Size 4½ XH

Wt. Pipe I. D. - Ft. Run 319

Recovery—Total Feet 20

Recovered 20 Feet Of MUD.

Recovered Feet Of

Recovered Feet Of

Recovered Feet Of

Extra Equipment NONE

Recorder No. 10983 Type AK-1 Range 4100 PSI

Recorder Depth 4397

Tool Open Before I. S. I. 30 Mins.

Initial Shut-in 30 Mins.

Flow Period 30 Mins.

Final Shut-in 30 Mins.

Surface Choke Size 1"

Bottom Choke Size ¾"

Main Hole Size 7⅞"

Rubber Size 6¾"

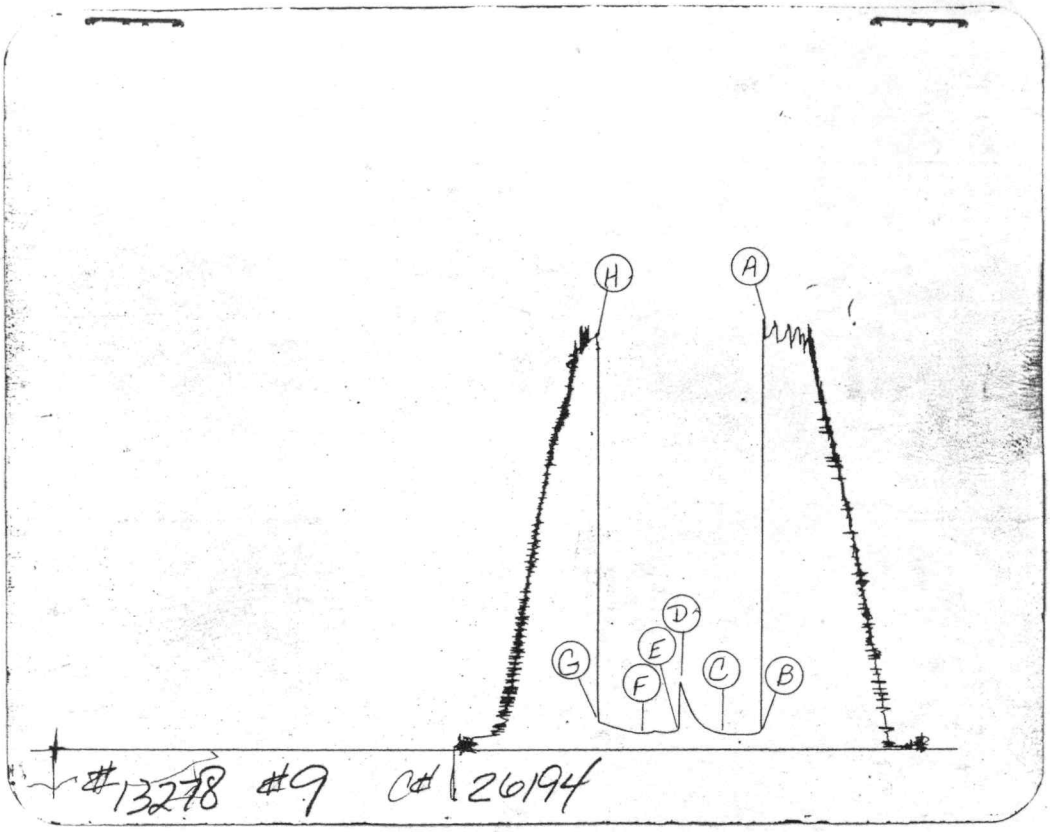
Tool Open @ 2:40 P.M.

Blow 1ST OPEN-WEAK BLOW-DIED IN 25 MIN.

Remarks 2ND OPEN-WEAK BLOW-DIED IN 7 MIN.

Drill Collar I. D. - Ft. Run -

Price of Job $750.00



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2133		PSI
(B)	First Initial Flow Pressure	102		PSI
(C)	First Final Flow Pressure	102		PSI
(D)	Initial Closed-in Pressure	306		PSI
(E)	Second Initial Flow Pressure	91		PSI
(F)	Second Final Flow Pressure	91		PSI
(G)	Final Closed-in Pressure	250		PSI
(H)	Final Hydrostatic Mud	1940		PSI

CHENEY TESTING COMPANY

P. O. BOX 3 HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company	Oil Capital Corp.	Test No.	10
Well Name & Number	James #1	Zone Tested	Ft. Scott
Company Address	Wichita, Ks.	Date	10-23-81
Comp. Rep.	Klaus Kollmai	Tester	Cris Connolly
Contractor	Abercrombie Drlg.	Elevation	2781 K.B.
Location: Sec. 19 Twp. 16s Rge. 28n Co. Lane State Ks.		Est. Feet of Pay	

Recorder No. 13278 Type AK-1 Range 4400 PSI

Recorder Depth 4478

(A) Initial Hydrostatic Mud 2020 PSI

(B) First Initial Flow Pressure 81 PSI

(C) First Final Flow Pressure 81 PSI

(D) Initial Closed-in Pressure 130 PSI

(E) Second Initial Flow Pressure 91 PSI

(F) Second Final Flow Pressure 91 PSI

(G) Final Closed-in Pressure 280 PSI

(H) Final Hydrostatic Mud 1990 PSI

Temperature

Mud Weight 9.3 Viscosity 41

Fluid Loss 12.0

Interval Tested 4444-4484

Anchor Length 40'

Top Packer Depth 4439

Bottom Packer Depth 4444

Total Depth 4484

Drill Pipe Size 4½ XH

Wt. Pipe I. D. - Ft. Run 319

Recovery—Total Feet 67'

Recorder No. 10983 Type AK-1 Range 4100 PSI

Recorder Depth 4481

Tool Open Before I. S. I. 30 Mins.

Initial Shut-in 30 Mins.

Flow Period 30 Mins.

Final Shut-in 30 Mins.

Surface Choke Size 1"

Bottom Choke Size ¾"

Main Hole Size 7⅞"

Rubber Size 6¾"

Tool Open @ 12:30 P.M.

Blow 1ST OPEN-WEAK BLOW.

Remarks 2ND OPEN-WEAK BLOW.

Drill Collar I. D. - Ft. Run -

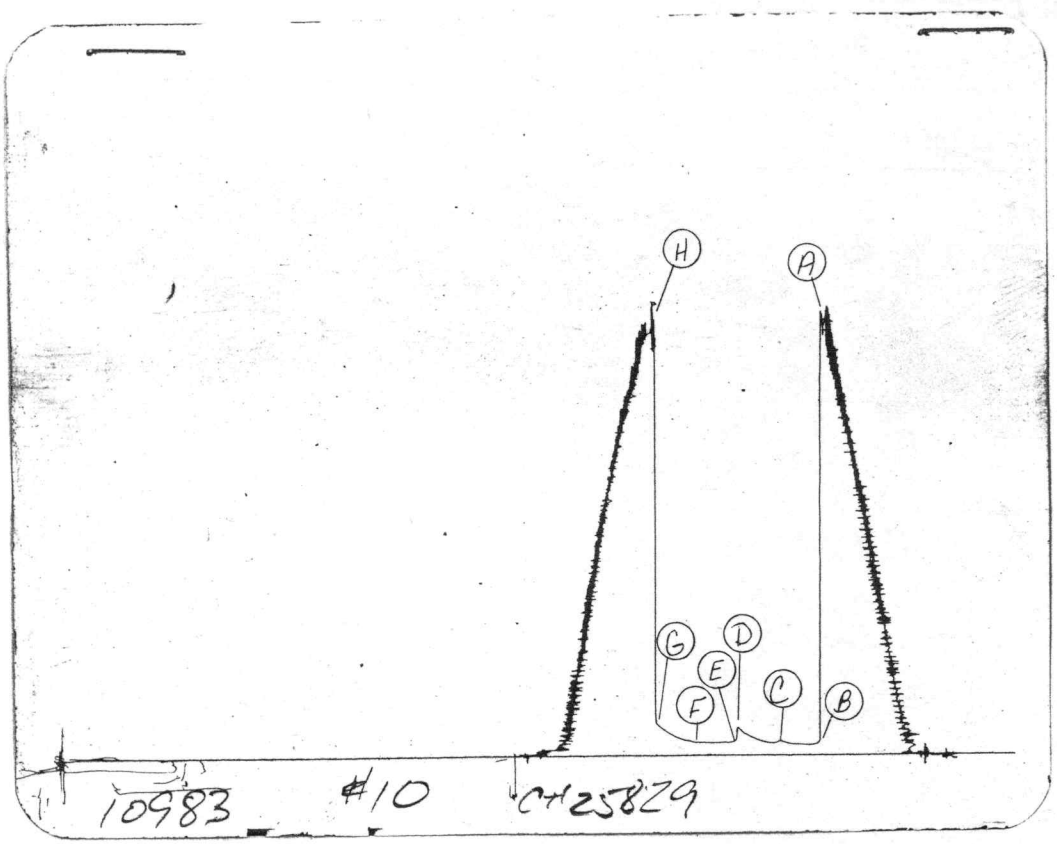
Recovered 5 Feet Of MUD WITH OIL. 10% OIL-MID.

Recovered 62 Feet Of 60% MUD-10% WATER-30% OIL.

Recovered Feet Of

Recovered Feet Of

Extra Equipment NONE Price of Job $750.00



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2020		PSI
(B)	First Initial Flow Pressure	81		PSI
(C)	First Final Flow Pressure	81		PSI
(D)	Initial Closed-in Pressure	130		PSI
(E)	Second Initial Flow Pressure	91		PSI
(F)	Second Final Flow Pressure	91		PSI
(G)	Final Closed-in Pressure	280		PSI
(H)	Final Hydrostatic Mud	1990		PSI

CHENEY TESTING COMPANY

P. O. BOX 3 HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company	Oil Capital Corp.	Test No.	11
Well Name & Number	James #1	Zone Tested	Bleezy Hill
Company Address	Wichita, Ks.	Date	10-24-81
Comp. Rep.	Klaus Kollmai	Tester	Cris Connolly
Contractor	Abercrombie Drlg.	Elevation	2781 K.B.
Location: Sec. 19 Twp. 16s Rge. 28n Co. Lane State Ks.		Est. Feet of Pay	

Recorder No. 13278 Type AK-1 Range 4400 PSI

Recorder Depth 4514

(A) Initial Hydrostatic Mud 2185 PSI

(B) First Initial Flow Pressure 51 PSI

(C) First Final Flow Pressure 51 PSI

(D) Initial Closed-in Pressure 102 PSI

(E) Second Initial Flow Pressure 61 PSI

(F) Second Final Flow Pressure 61 PSI

(G) Final Closed-in Pressure 653 PSI

(H) Final Hydrostatic Mud 2164 PSI

Temperature -

Mud Weight 9.3 Viscosity 41

Fluid Loss 12.0

Interval Tested 4485-4520

Anchor Length 35'

Top Packer Depth 4480

Bottom Packer Depth 4485

Total Depth 4520

Drill Pipe Size 4½ Xh

Wt. Pipe I. D. - Ft. Run 319

Recovery—Total Feet 10

Recovered 10 Feet Of MUD WITH OIL SPOTS.

Recovered Feet Of

Recovered Feet Of

Recovered Feet Of

Recorder No. 10983 Type AK-1 Range 4100 PSI

Recorder Depth 4517

Tool Open Before I. S. I. 30 Mins.

Initial Shut-in 45 Mins.

Flow Period 45 Mins.

Final Shut-in 60 Mins.

Surface Choke Size 1"

Bottom Choke Size ¾"

Main Hole Size 7⅞"

Rubber Size 6¾"

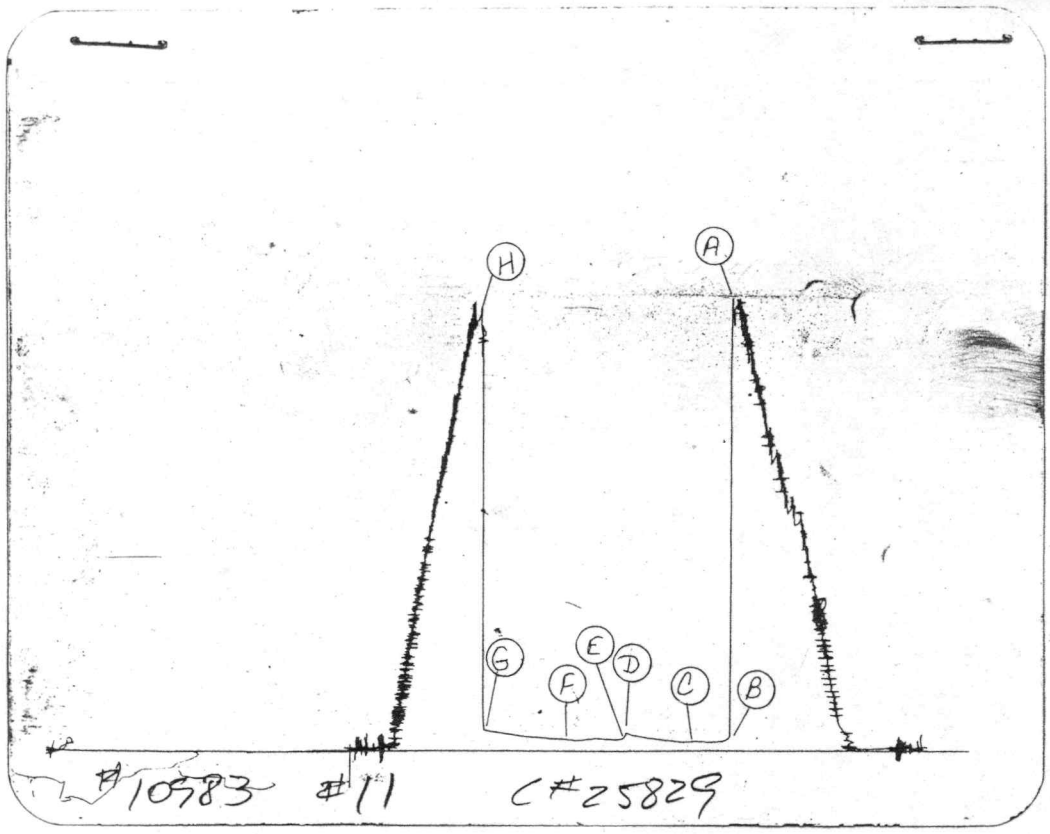
Tool Open @ 4:25 A.M.

Blow 1ST OPEN-WEAK BLOW.

Remarks 2ND OPEN-WEAK BLOW-DIED IN 20 MIN.

Drill Collar I. D. - Ft. Run -

Extra Equipment NONE Price of Job $750.00



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2185		PSI
(B)	First Initial Flow Pressure	51		PSI
(C)	First Final Flow Pressure	51		PSI
(D)	Initial Closed-in Pressure	102		PSI
(E)	Second Initial Flow Pressure	61		PSI
(F)	Second Final Flow Pressure	61		PSI
(G)	Final Closed-in Pressure	653		PSI
(H)	Final Hydrostatic Mud	2164		PSI

CHENEY TESTING COMPANY

P. O. BOX 3 HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company	OIL CAPITAL CORP.	Test No.	12
Well Name & Number	James #1	Zone Tested	Cherokee Sands
Company Address	Wichita, Ks.	Date	10-24-81
Comp. Rep.	Klaus Kollmai	Tester	Cris Connolly
Contractor	Abercrombie Drlg.	Elevation	2781 KB
Location: Sec. 19 Twp. 16s Rge. 28n Co. Lane	State Ks.	Est. Feet of Pay	

Recorder No. 13278 Type AK-1 Range 4400 PSI

Recorder Depth 4537

(A) Initial Hydrostatic Mud 2421 PSI

(B) First Initial Flow Pressure 51 PSI

(C) First Final Flow Pressure 51 PSI

(D) Initial Closed-in Pressure 1063 PSI

(E) Second Initial Flow Pressure 61 PSI

(F) Second Final Flow Pressure 61 PSI

(G) Final Closed-in Pressure 1043 PSI

(H) Final Hydrostatic Mud 2288 PSI

Temperature -

Mud Weight ____ Viscosity 54

Fluid Loss 13.6

Interval Tested 4508-4543

Anchor Length 35'

Top Packer Depth 4503

Bottom Packer Depth 4508

Total Depth 4543

Drill Pipe Size 4½ XH

Wt. Pipe I. D. ____ Ft. Run 319

Recovery—Total Feet 65

Recovered 35 Feet Of FREE OIL.

Recovered 30 Feet Of OIL CUT MUD. 65% MUD 35% Oil.

Recovered ____ Feet Of

Recovered ____ Feet Of

Extra Equipment NONE

Recorder No. 10983 Type AK-1 Range 4100 PSI

Recorder Depth 4540

Tool Open Before I. S. I. 30 Mins.

Initial Shut-in 45 Mins.

Flow Period 45 Mins.

Final Shut-in 60 Mins.

Surface Choke Size 1"

Bottom Choke Size ¾"

Main Hole Size 7⅞"

Rubber Size 6¾"

Tool Open @ 6:45 p.M.

Blow 1ST OPEN-WEAK BLOW.

Remarks 2ND OPEN-FAIR BLOW, HOSE 3" IN WATER.

Drill Collar I. D. - Ft. Run -

Price of Job $750.00

CHENEY TESTING COMPANY
Pressure Data

Date 10-24-81 Test Ticket No. 4282

Recorder No. 10983 Capacity 4100 Location 4540 Ft.

Clock No. 25829 Elevation 2781 K.B. Well Temperature – °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2418	P.S.I.	Open Tool	6:45 P.M	
B	First Initial Flow Pressure	63	P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	42	P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D	Initial Closed-in Pressure	1062	P.S.I.	Second Flow Pressure	45 Mins.	45 Mins.
E	Second Initial Flow Pressure	71	P.S.I.	Final Closed-in Pressure	60 Mins.	58 Mins.
F	Second Final Flow Pressure	61	P.S.I.			
G	Final Closed-in Pressure	1040	P.S.I.			
H	Final Hydrostatic Mud	2302	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Mins.	Press.
P 1 0	63
P 2 5	46
P 3 10	45
P 4 15	40
P 5 20	40
P 6 25	40
P 7 30	42
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	

Initial Shut-In
Breakdown: 9 Inc.
of 5 mins. and a
final inc. of 0 Min.

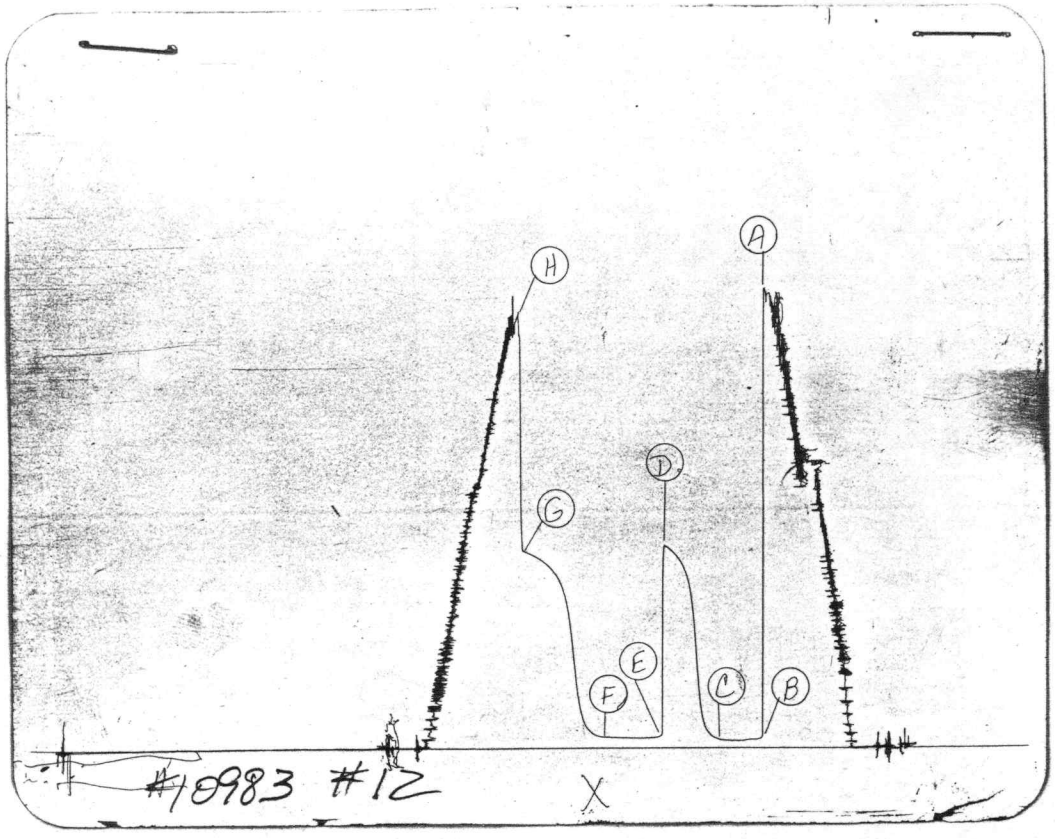
Point Minutes	Press.
0	42
5	54
10	84
15	189
20	611
25	884
30	975
35	1021
40	1053
45	1062

Second Flow Pressure
Breakdown: 9 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	71
5	57
10	55
15	54
20	54
25	55
30	56
35	57
40	58
45	61

Final Shut-In
Breakdown: 11 Inc.
of 5 mins. and a
final inc. of 3 Min.

Point Minutes	Press.
0	61
5	71
10	102
15	184
20	445
25	753
30	868
35	928
40	966
45	993
50	1014
55	1030
58	1040



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2421	2418	PSI
(B)	First Initial Flow Pressure	51	63	PSI
(C)	First Final Flow Pressure	51	42	PSI
(D)	Initial Closed-in Pressure	1063	1062	PSI
(E)	Second Initial Flow Pressure	61	71	PSI
(F)	Second Final Flow Pressure	61	61	PSI
(G)	Final Closed-in Pressure	1043	1040	PSI
(H)	Final Hydrostatic Mud	2288	2302	PSI