

Well Name: Holland Unit #19-1
Company: Hal C. Porter
Location: 19-11s-19w
Ellis County Kansas
Date: 8-24-99

TRILOBITE TESTING L.L.C.

OPERATOR : Hal C. Porter

DATE 8-19-99

WELL NAME: Holland Unit #19-1

KB 1970.00 ft

TICKET NO: 12293

DST #1

LOCATION : 19-11s-19w Ellis co KS

GR 1965.00 ft

FORMATION: lansing A,B, & C

INTERVAL : 3232.00 To 3265.00 ft

TD 3265.00 ft

TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11085	11085	3027			PF Fr. 1456 to 1526 hr
SI 30 Range(Psi)	4300.0	4300.0	4995.0	0.0	0.0	IS Fr. 1526 to 1556 hr
SF 30 Clock(hrs)	12hr	12	elec			SF Fr. 1556 to 1626 hr
FS 45 Depth(ft)	3262.0	3262.0	3235.0	0.0	0.0	FS Fr. 1626 to 1711 hr

	Field	1	2	3	4	
A. Init Hydro	1560.0	1586.0	1550.0	0.0	0.0	T STARTED 1319 hr
B. First Flow	22.0	29.0	14.0	0.0	0.0	T ON BOTM 1453 hr
B1. Final Flow	22.0	29.0	30.0	0.0	0.0	T OPEN 1456 hr
C. In Shut-in	800.0	790.0	828.0	0.0	0.0	T PULLED 1711 hr
D. Init Flow	33.0	45.0	28.0	0.0	0.0	T OUT 1910 hr
E. Final Flow	33.0	45.0	34.0	0.0	0.0	
F. Fl Shut-in	778.0	773.0	806.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1549.0	1545.0	1534.0	0.0	0.0	Tool Wt. 2200.00 lbs
Inside/Outside	o	o	i			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 65000.00 lbs
						Initial Str Wt 60000.00 lbs
						Unseated Str Wt 60000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.78 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 520.00 ft
						D.P. Length 2724.00 ft

RECOVERY

Tot Fluid 5.00 ft of 5.00 ft in DC and 0.00 ft in DP

5.00 ft of Mud with show of oil

0.00 ft of

0.00 ft of

0.00 ft of

0.00 ft of

0.00 ft of

0.00 ft of

0.00 ft of

0.00 ft of

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:

Very weak surface blow throughout

Final Flow:

No blow

MUD DATA-----

Mud Type chemical

Weight 9.20 lb/cf

Vis. 44.00 S/L

W.L. 8.80 in3

F.C. 0.00 in

Mud Drop

Amt. of fill 0.00 ft

Btm. H. Temp. 106.00 F

Hole Condition good

% Porosity 0.00

Packer Size 6.75 in

No. of Packers 2

Cushion Amt. 0.00

Cushion Type

Reversed Out N

Tool Chased N

SAMPLES:

SENT TO:

Tester Ray Schwager

Co. Rep. Randy Killian

Contr. Murfin Drlg.

Rig # 8

Unit #

Pump T.

Test Successful: Y

*** TOOL DIAGRAM *** CONV

LL NAME: Holland Unit #19-1

CATION : 19-11s-19w Ellis co KS

CKET No. 12293 D.S.T. No. 1 DATE 8-19-99

TAL TOOL TO BOTTOM OF TOP PACKERS 20

TERVAL TOOL

TTOM PACKERS AND ANCHOR 32

TAL TOOL 52

ILL COLLAR ANCHOR IN INTERVAL

C. ANCHOR STND.Stands Single Total

P. ANCHOR STND.Stands Single Total

TAL ASSEMBLY

C. ABOVE TOOLS.Stands9 Single Total 520

P. ABOVE TOOLS.Stands44 Single Total 2724

TAL DRILL COLLARS DRILL PIPE & TOOLS .. 3296

TAL DEPTH 3265

TAL DRILL PIPE ABOVE K.B. 31

MARKS:

P.O. SUB	3091
C.O. SUB	3213
S.I. TOOL	3217
HMV	3222
JARS	
SAFETY JOINT	
PACKER	3227
PACKER	3232
DEPTH	
STUBB	3233
ANCHOR 5'perf	3238
5' "	3243
5' "	3248
5' "	3253
Alpine@3235	
AK-1 @3262	
T.C.	
DEPTH	
5'perf	3258
4' "	3262
BULLNOSE 3'bullplug	3265
T.D.	3265

TEST HISTORY

12293 DST#1 Holland Unit #19-1 Hal C. Porter

Flag Points

t(Min.) P(PSIg)

A: 0.00 1550.69
B: 0.00 14.12
C: 33.00 30.33
D: 28.50 828.43
E: 0.00 28.22
F: 28.00 34.01
G: 45.50 806.00
Q: 0.00 1534.17

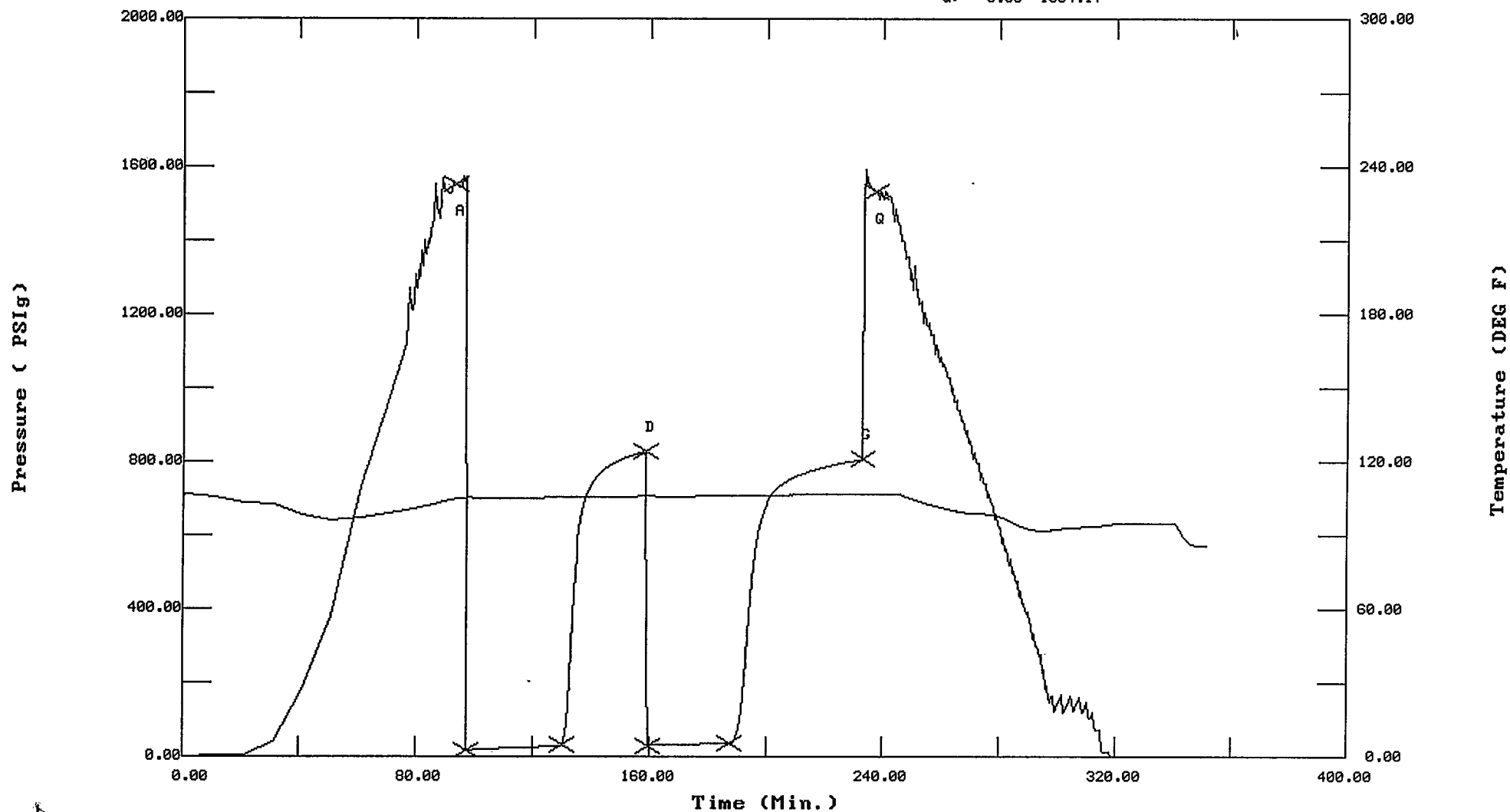
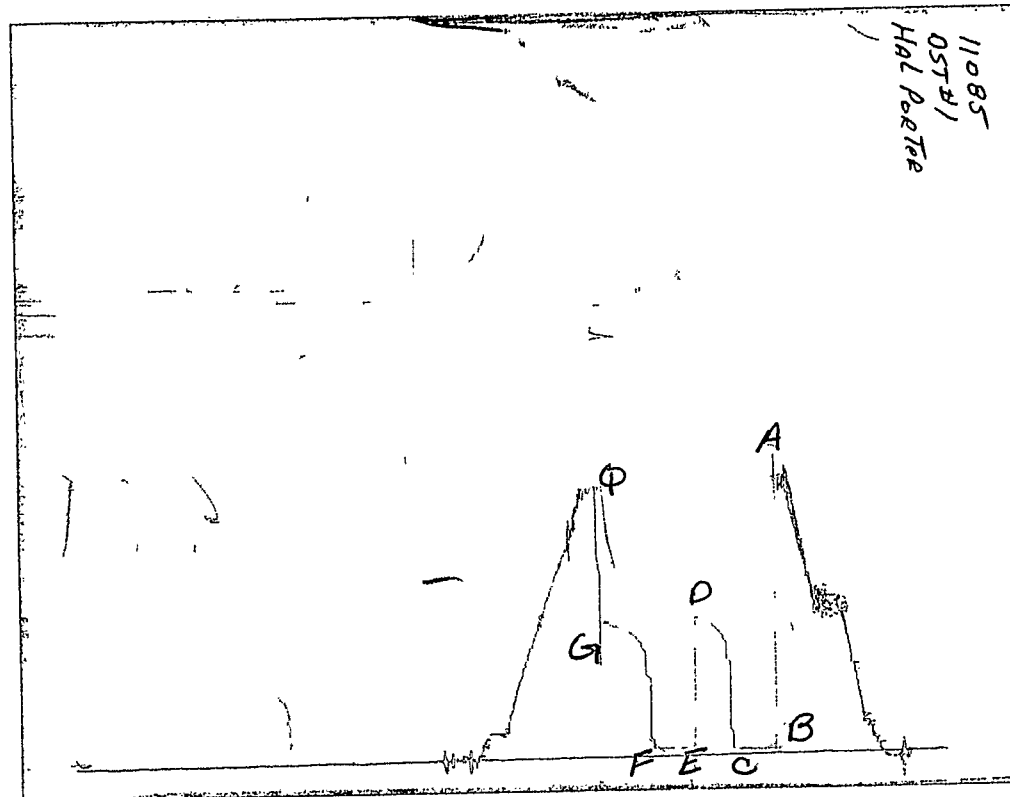


CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

OPERATOR : Hal C. Porter

DATE 8-20-99

WELL NAME: Holland Unit #19-1

KB 1970.00 ft

TICKET NO: 12294

DST #2

LOCATION : 19-11s-19w Ellis co KS

GR 1965.00 ft

FORMATION: Lansing D & E

INTERVAL : 3263.00 To 3300.00 ft

TD 3300.00 ft

TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11085	11085	3027			PF Fr. 0526 to 0556 hr
SI 30 Range (Psi)	4300.0	4300.0	4995.0	0.0	0.0	IS Fr. 0556 to 0626 hr
SF 30 Clock (hrs)	12hr	12	elec			SF Fr. 0626 to 0656 hr
FS 45 Depth (ft)	3297.0	3297.0	3266.0	0.0	0.0	FS Fr. 0656 to 0741 hr

	Field	1	2	3	4	
A. Init Hydro	1560.0	1570.0	1566.0	0.0	0.0	T STARTED 0336 hr
B. First Flow	44.0	63.0	16.0	0.0	0.0	T ON BOTM 0523 hr
B1. Final Flow	44.0	63.0	27.0	0.0	0.0	T OPEN 0526 hr
C. In Shut-in	462.0	464.0	458.0	0.0	0.0	T PULLED 0741 hr
D. Init Flow	66.0	82.0	30.0	0.0	0.0	T OUT 0918 hr
E. Final Flow	66.0	82.0	38.0	0.0	0.0	
F. Fl Shut-in	407.0	417.0	419.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1560.0	1570.0	1565.0	0.0	0.0	Tool Wt. 2200.00 lbs
Inside/Outside	o	o	i			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 78000.00 lbs
						Initial Str Wt 62000.00 lbs
						Unseated Str Wt 62000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.78 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 520.00 ft
						D.P. Length 2753.00 ft

RECOVERY

Tot Fluid 15.00 ft of 15.00 ft in DC and 0.00 ft in DP
 15.00 ft of Oil cut mud 7%oil 93%mud
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of

MUD DATA-----

Mud Type	chemical
Weight	9.20 lb/cf
Vis.	44.00 S/L
W.L.	8.80 in3
F.C.	0.00 in
Mud Drop	

BLOW DESCRIPTION

Initial Flow:
 Weak blow throughout 1/4" blow
 Final Flow:
 No blow

Amt. of fill	0.00 ft
Btm. H. Temp.	105.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	

SAMPLES:

SENT TO:

Tester	Ray Schwager
Co. Rep.	Randy Killian
Contr.	Murfin Drlg
Rig #	8
Unit #	
Pump T.	

Test Successful: Y

*** TOOL DIAGRAM *** CONV

WELL NAME: Holland Unit #19-1

LOCATION : 19-11s-19w

TICKET No. 12294 D.S.T. No. 2 DATE 8-20-99

TOTAL TOOL TO BOTTOM OF TOP PACKERS 20

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 37

TOTAL TOOL 57

DRILL COLLAR ANCHOR IN INTERVAL

.C. ANCHOR STND.Stands Single Total

.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY

.C. ABOVE TOOLS.Stands9 Single Total 520

.P. ABOVE TOOLS.Stands44 Single 1 Total 2753

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3330

TOTAL DEPTH 3300

TOTAL DRILL PIPE ABOVE K.B. 30

REMARKS:

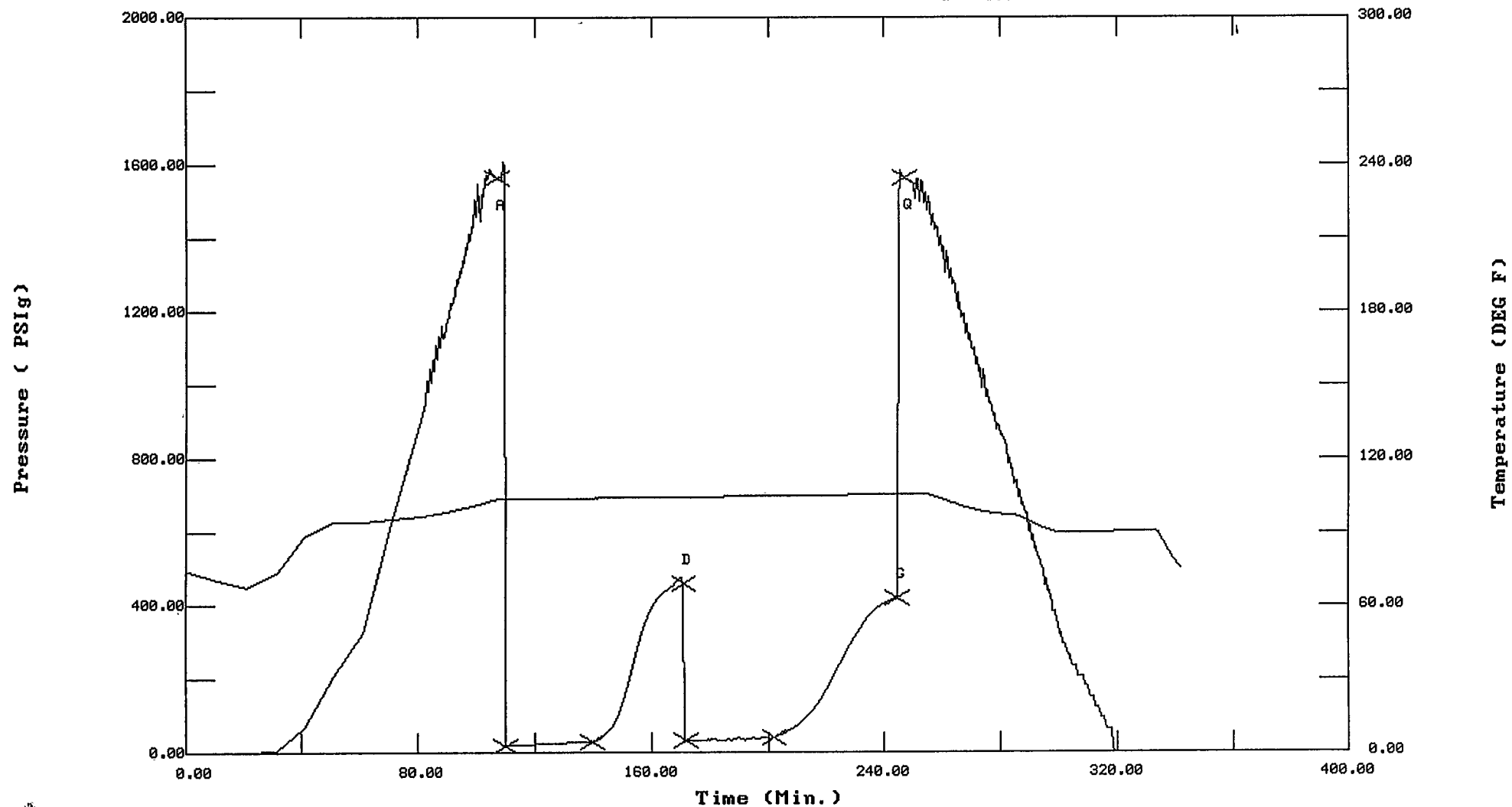
P.O. SUB	3122
C.O. SUB	3244
S.I. TOOL	3248
HMV	3253
JARS	
SAFETY JOINT	
PACKER	3258
PACKER	3263
DEPTH	
STUBB	3264
ANCHOR 5'perf	3269
5' "	3274
5' "	3279
5' "	3284
5' "	3289
Alpine@3266	
AK-1 @3297	
T.C.	
DEPTH	
4'perf	3293
4' "	3297
BULLNOSE 3'bullplug	3300
T.D.	3300

TEST HISTORY

12294 DST#2 Holland Unit 19-1 Hal C. Porter

Flag Points
t(Min.) P(PSig)

A:	0.00	1566.19
B:	0.00	16.05
C:	30.00	27.32
D:	31.00	458.07
E:	0.00	30.06
F:	30.00	38.08
G:	42.50	419.63
Q:	0.00	1565.19

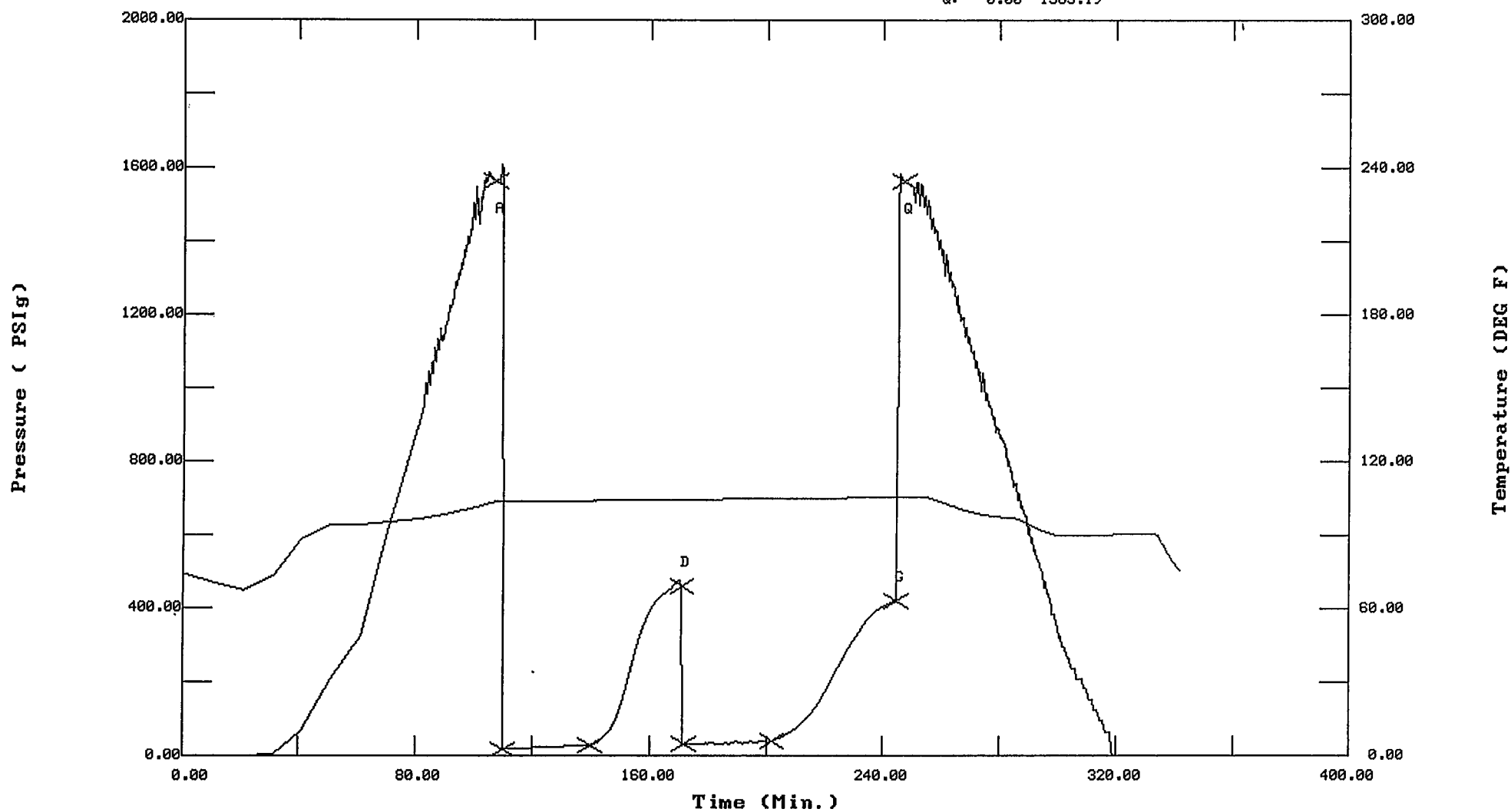


TEST HISTORY

12294 DST#2 Holland Unit 19-1 Hal C. Porter

Flag Points
t(Min.) P(PSIg)

A: 0.00 1566.19
B: 0.00 16.05
C: 30.00 27.32
D: 31.00 458.07
E: 0.00 30.06
F: 30.00 38.08
G: 42.50 419.63
Q: 0.00 1565.19



TRILOBITE TESTING L.L.C.

OPERATOR : Hal C. Porter
WELL NAME: Holland Unit #19-1
LOCATION : 19-11s-19w Ellis co KS
INTERVAL : 3298.00 To 3320.00 ft

DATE 8-20-99
KB 1970.00 ft
GR 1965.00 ft
TD 3320.00 ft

TICKET NO: 12295
FORMATION: Lansing F & G
TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11085	11085	3027			PF Fr. 1849 to 1919 hr
SI 45 Range(Psi)	4300.0	4300.0	4995.0	0.0	0.0	IS Fr. 1919 to 2004 hr
SF 60 Clock(hrs)	12hr	12	elec			SF Fr. 2004 to 2104 hr
FS 60 Depth(ft)	3315.0	3315.0	3304.0	0.0	0.0	FS Fr. 2104 to 2204 hr

	Field	1	2	3	4	
A. Init Hydro	1549.0	1582.0	1571.0	0.0	0.0	T STARTED 1605 hr
B. First Flow	44.0	72.0	17.0	0.0	0.0	T ON BOTM 1846 hr
B1. Final Flow	44.0	55.0	49.0	0.0	0.0	T OPEN 1849 hr
C. In Shut-in	539.0	552.0	555.0	0.0	0.0	T PULLED 2204 hr
D. Init Flow	77.0	99.0	51.0	0.0	0.0	T OUT .0006 hr
E. Final Flow	99.0	116.0	88.0	0.0	0.0	
F. Fl Shut-in	517.0	527.0	524.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1549.0	1571.0	1563.0	0.0	0.0	Tool Wt. 2200.00 lbs
Inside/Outside	o	o	i			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 75000.00 lbs
						Initial Str Wt 60000.00 lbs
						Unseated Str Wt 60000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.78 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 520.00 ft
						D.P. Length 2787.00 ft

RECOVERY

Tot Fluid 150.00 ft of 150.00 ft in DC and 0.00 ft in DP
50.00 ft of Clean oil
80.00 ft of Heavy oil and gas cut mud
0.00 ft of 5% gas 25% oil 70% mud
20.00 ft of Oil and gas cut watery mud
0.00 ft of 5% gas 10% oil 25% water 60% mud
0.00 ft of
0.00 ft of
0.00 ft of
SALINITY 18000.00 P.P.M. A.P.I. Gravity 35.00

BLOW DESCRIPTION

Initial Flow:
Weak blow throughout 1/4" blow to
2 1/2" blow
Final Flow:
Weak building to a fair blow 1"
to 5" blow

SAMPLES:
SENT TO:

Test Successful: Y

MUD DATA-----
Mud Type chemical
Weight 9.20 lb/cf
Vis. 46.00 S/L
W.L. 8.80 in3
F.C. 0.00 in
Mud Drop
Amt. of fill 0.00 ft
Btm. H. Temp. 106.00 F
Hole Condition good
% Porosity 0.00
Packer Size 6.75 in
No. of Packers 2
Cushion Amt. 0.00
Cushion Type
Reversed Out N
Tool Chased N
Tester Ray Schwager
Co. Rep. Randy Killian
Contr. Murfin Drlg
Rig # 8
Unit #
Pump T.

*** TOOL DIAGRAM *** CONV

WELL NAME: Holland Unit #19-1

LOCATION : 19-11s-19w Ellis co KS

WELL No. 12295 D.S.T. No. 3 DATE 8-20-99

TOTAL TOOL TO BOTTOM OF TOP PACKERS 20

INTERVAL TOOL

TOTAL PACKERS AND ANCHOR 22

TOTAL TOOL 42

DRILL COLLAR ANCHOR IN INTERVAL

C. ANCHOR STND.Stands Single Total

P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY

C. ABOVE TOOLS.Stands9 Single Total 520

P. ABOVE TOOLS.Stands45 Single Total 2787

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3349

TOTAL DEPTH 3320

TOTAL DRILL PIPE ABOVE K.B. 29

REMARKS:

P.O. SUB	3157
C.O. SUB	3279
S.I. TOOL	3283
HMV	3288
JARS	
SAFETY JOINT	
PACKER	3293
PACKER	3298
DEPTH	
STUBB	3299
ANCHOR 5'perf	3304
5' "	3309
5' "	3314
Alpine@3304	
Ak-1 @3315	
T.C.	
DEPTH	
3'perf	3317
BULLNOSE 3'bullplug	3320
T.D.	3320

CALCULATED RECOVERY ANALYSIS

DST # 3 TICKET 12295

Drill Pipe #	TOTAL FEET	GAS %	FEET	OIL %	FEET	%	WATER FEET	%	MUD FEET
1			0		0		0		0
2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
6			0		0		0		0
Drill Collars									
1	50		0	100	50		0		0
2	80	5	4	25	20		0	70	56
3	20	5	1	10	2	25	5	60	12
4			0		0		0		0
5			0		0		0		0
TOTAL	150	3.33	5	48.00	72	3.33	5	45.33	68

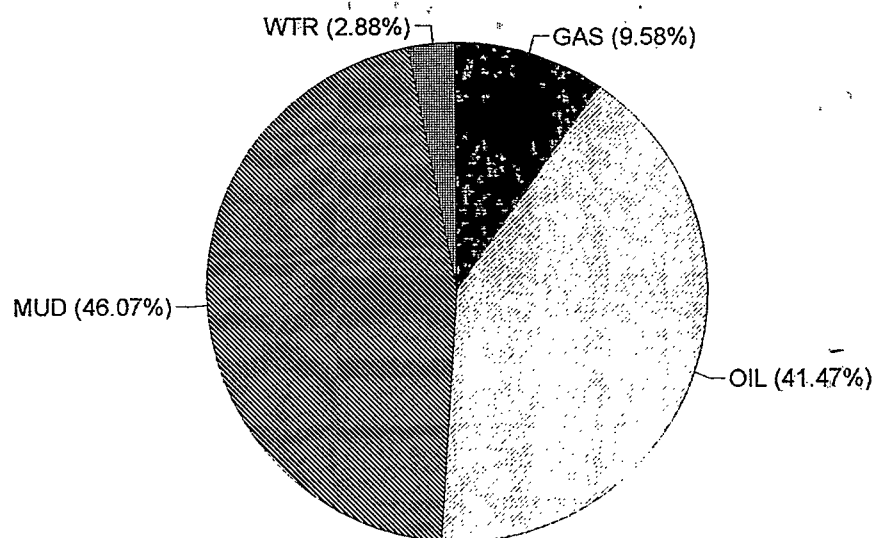
HRS OP BBL/DAY

BBL OIL= 0.35208 * 1.5 5.63328

BBL WATER= 0.02445 * 0.3912

BBL MUD= 0.3912

BBL GAS 0.08133



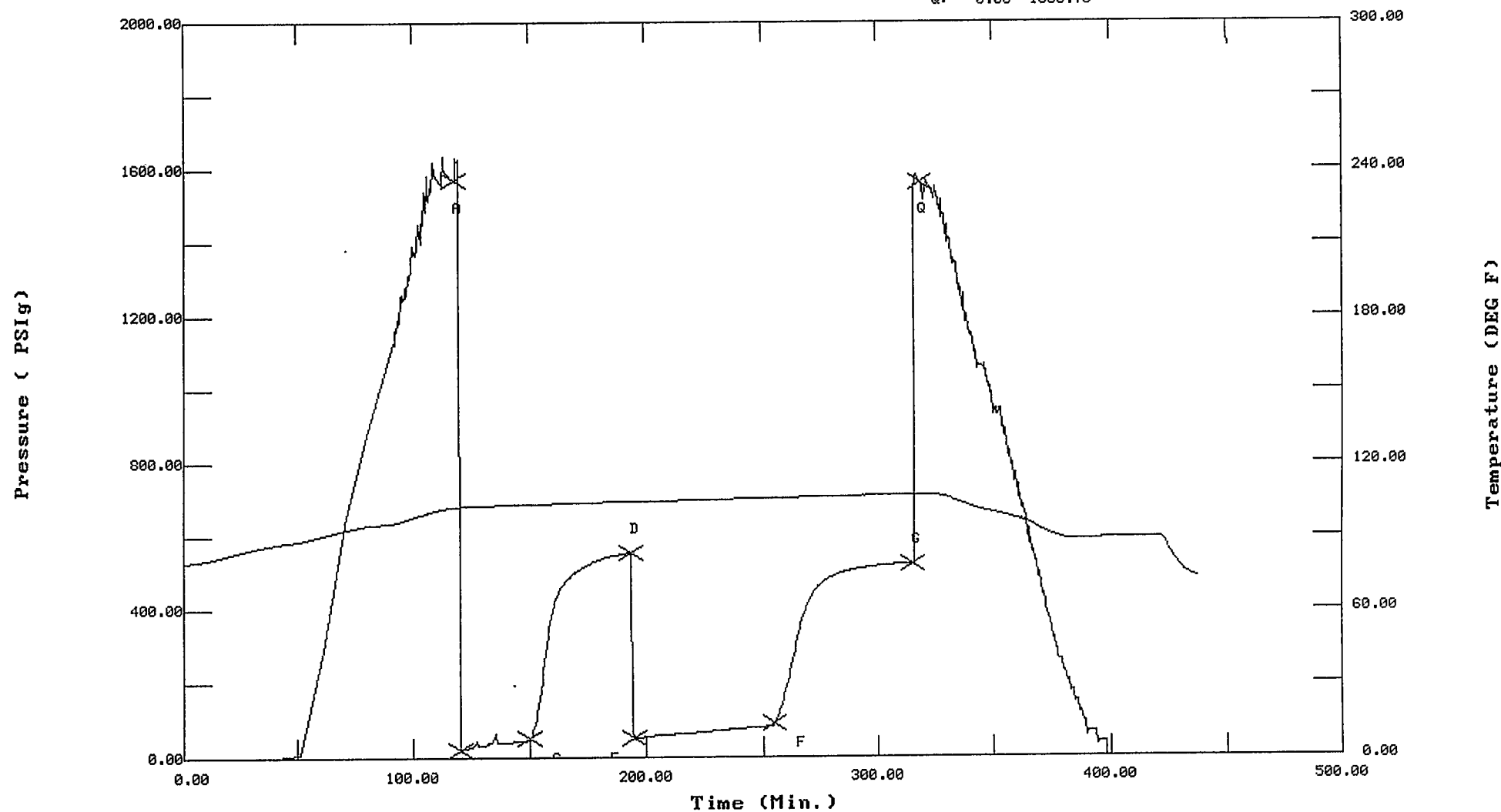
TEST HISTORY

12295 DST#3 Holland Unit #19-1 Hal C. Porter

Flag Points

t(Min.) P(PSIg)

A:	0.00	1571.86
B:	0.00	17.01
C:	30.00	49.69
D:	44.00	555.16
E:	0.00	51.07
F:	60.00	88.88
G:	60.00	524.44
Q:	0.00	1563.73



TRILOBITE TESTING L.L.C.

OPERATOR : Hal C. Porter

DATE 8-21-99

WELL NAME: Holland Unit #19-1

KB 1970.00 ft

TICKET NO: 12296 DST #4

LOCATION : 19-11s-19w Ellis co KS

GR 1965.00 ft

FORMATION: Lansing H-L

INTERVAL : 3339.00 To 3444.00 ft

TD 3444.00 ft

TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11085	11085	3027			PF Fr. 1418 to 1448 hr
SI 30 Range(Psi)	4300.0	4300.0	4995.0	0.0	0.0	IS Fr. 1448 to 1518 hr
SF 30 Clock(hrs)	12hr	12	elec			SF Fr. 1518 to 1548 hr
FS 45 Depth(ft)	3348.0	3348.0	3343.0	0.0	0.0	FS Fr. 1548 to 1633 hr

	Field	1	2	3	4	
A. Init Hydro	1593.0	1582.0	1606.0	0.0	0.0	T STARTED 1225 hr
B. First Flow	66.0	68.0	21.0	0.0	0.0	T ON BOTM 1415 hr
B1. Final Flow	66.0	62.0	38.0	0.0	0.0	T OPEN 1418 hr
C. In Shut-in	897.0	891.0	936.0	0.0	0.0	T PULLED 1633 hr
D. Init Flow	77.0	83.0	41.0	0.0	0.0	T OUT 1835 hr
E. Final Flow	77.0	75.0	56.0	0.0	0.0	
F. Fl Shut-in	1006.0	996.0	1039.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1560.0	1571.0	1597.0	0.0	0.0	Tool Wt. 2200.00 lbs
Inside/Outside.	o	o	i			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 70000.00 lbs
						Initial Str Wt 60000.00 lbs
						Unseated Str Wt 60000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.78 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 520.00 ft
						D.P. Length 2818.00 ft

RECOVERY

Tot Fluid 65.00 ft of 65.00 ft in DC and 0.00 ft in DP
 65.00 ft of Very heavy oil cut mud
 0.00 ft of 46% oil 54% mud
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
 Weak blow throughout 1/4" to 1 1/4"
 blow
 Final Flow:
 Weak blow throughout 1/4" blow

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type chemical
 Weight 9.20 lb/cf
 Vis. 45.00 S/L
 W.L. 8.80 in3
 F.C. 0.00 in
 Mud Drop

Amt. of fill 0.00 ft
 Btm. H. Temp. 105.00 F
 Hole Condition good
 % Porosity 0.00
 Packer Size 6.75 in
 No. of Packers 2
 Cushion Amt. 0.00
 Cushion Type
 Reversed Out N
 Tool Chased N
 Tester Ray Schwager
 Co. Rep. Randy Killian
 Contr. Murfin
 Rig # 8
 Unit #
 Pump T.

Test Successful: Y

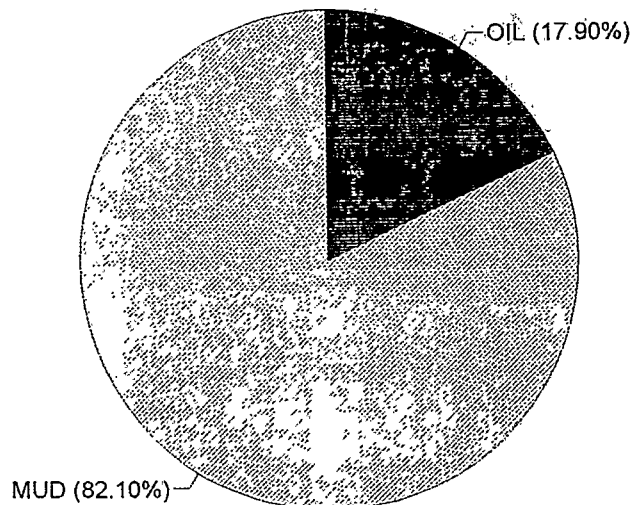
CALCULATED RECOVERY ANALYSIS

DST # 4 TICKET 12296

Drill Pipe	TOTAL	GAS		OIL		WATER		MUD	
#	FEET	%	FEET	%	FEET	%	FEET	%	FEET
1			0	100	0		0		0
2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
6			0		0		0		0
Drill Collars									
1	65		0	46	29.9		0	54	35.1
2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	65	0.00	0	46.00	29.9	0.00	0	54	35.1

HRS OP BBL/DAY

BBL OIL= 0.146211 * 1 3.50906
BBL WATER= 0 * 0
BBL MUD= 0.670761
BBL GAS 0



*** TOOL DIAGRAM *** CONV

WELL NAME: Holland Unit #19-1

LOCATION : 19-11s-19w Ellis co KS

TICKET No. 12296 D.S.T. No. 4 DATE 8-21-99

TOTAL TOOL TO BOTTOM OF TOP PACKERS 20

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 41

TOTAL TOOL 61

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands 1 Single Total 64

TOTAL ASSEMBLY..... 125

D.C. ABOVE TOOLS.Stands9 Single Total 520

D.P. ABOVE TOOLS.Stands45 Single 1 Total 2818

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3463

TOTAL DEPTH 3444

TOTAL DRILL PIPE ABOVE K.B. 19

REMARKS:

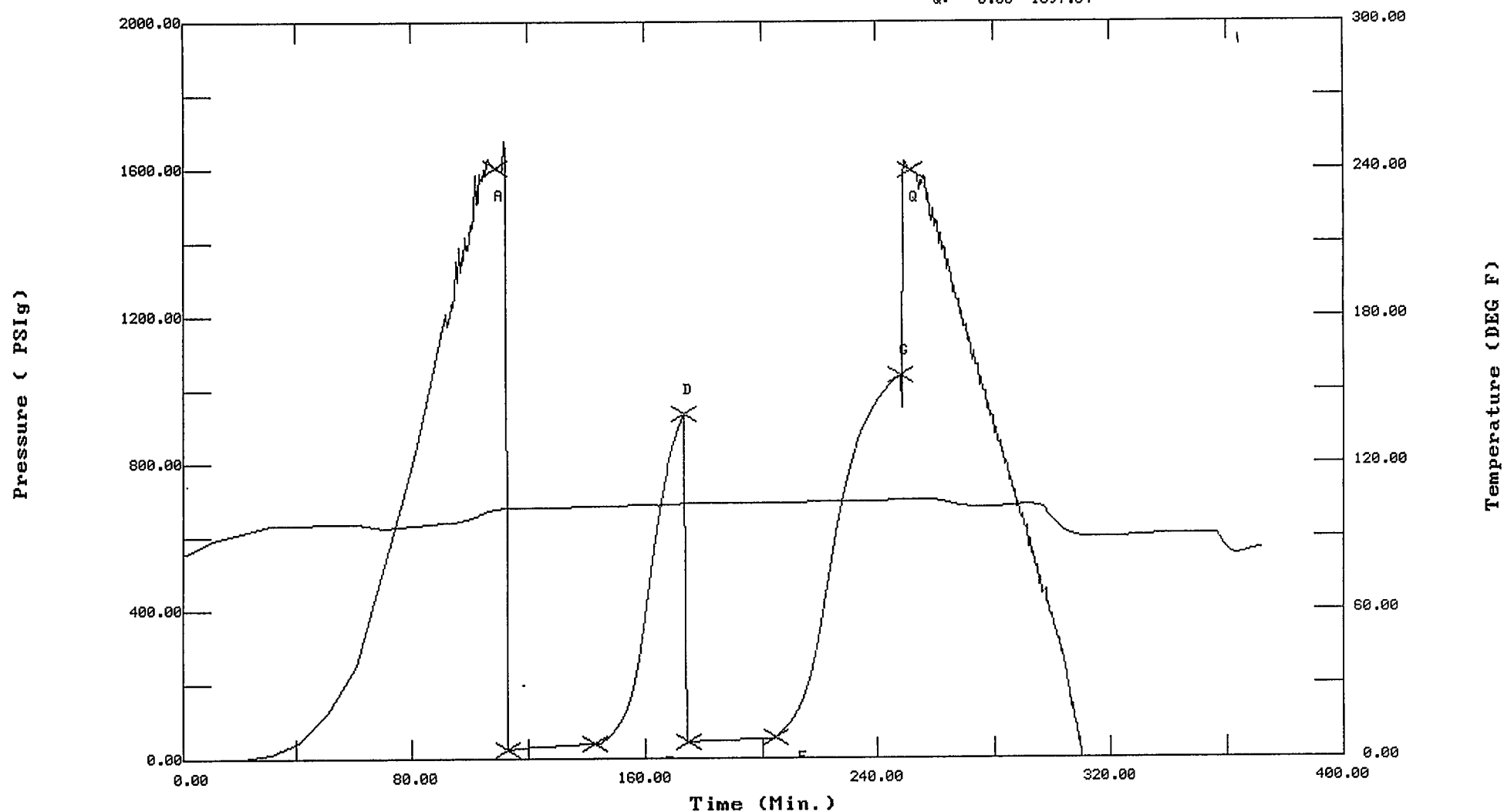
P.O. SUB	3200
C.O. SUB	3320
S.I. TOOL	3324
HMV	3329
JARS	
SAFETY JOINT	
PACKER	3334
PACKER	3339
DEPTH	
STUBB	3340
ANCHOR 5'perf	3345
5' "	3350
5' "	3355
5' "	3360
5' "	3365
Alpine@3343	
AK-1 @3348	
T.C.	
DEPTH	
64'pipe	3429
5'perf	3434
4' "	3438
3' "	3441
BULLNOSE 3'bullplug	3444
T.D.	3444

TEST HISTORY

12296 DST#4 Holland Unit # 19-1 Hal C. Porter

Flag Points
t(Min.) P(PSig)

A:	0.00	1606.05
B:	0.00	21.17
C:	30.00	38.02
D:	30.50	936.60
E:	0.00	41.82
F:	30.00	56.12
G:	43.00	1039.88
Q:	0.00	1597.64



TRILOBITE TESTING L.L.C.

OPERATOR : Hal C. Porter

DATE 8-22-99

WELL NAME: Holland Unit #19-1

KB 1970.00 ft

TICKET NO: 12297

DST #5

LOCATION : 19-11s-19w Ellis co KS

GR 1965.00 ft

FORMATION: Arbuckle

INTERVAL : 3512.00 To 3530.00 ft

TD 3530.00 ft

TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 15 Rec.	11085	11085	3027			PF Fr. 0801 to 0816 hr
SI 45 Range(Psi)	4300.0	4300.0	4995.0	0.0	0.0	IS Fr. 0816 to 0901 hr
SF 10 Clock(hrs)	12hr	12	elec			SF Fr. 0901 to 0911 hr
FS 60 Depth(ft)	3527.0	3527.0	3515.0	0.0	0.0	FS Fr. 0911 to 1011 hr

	Field	1	2	3	4	
A. Init Hydro	1733.0	1751.0	1701.0	0.0	0.0	T STARTED 0603 hr
B. First Flow	897.0	955.0	894.0	0.0	0.0	T ON BOTM 0798 hr
B1. Final Flow	984.0	992.0	1005.0	0.0	0.0	T OPEN 0801 hr
C. In Shut-in	1149.0	1159.0	1159.0	0.0	0.0	T PULLED 1011 hr
D. Init Flow	1060.0	1063.0	1028.0	0.0	0.0	T OUT 1320 hr
E. Final Flow	1071.0	1073.0	1054.0	0.0	0.0	
F. Fl Shut-in	1147.0	1158.0	1156.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1690.0	1705.0	1672.0	0.0	0.0	Tool Wt. 2200.00 lbs
Inside/Outside.	o	o	i			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 100000.00 lbs
						Initial Str Wt 60000.00 lbs
						Unseated Str Wt 68000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.78 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 520.00 ft
						D.P. Length 3002.00 ft

RECOVERY

Tot Fluid 2430.00 ft of 520.00 ft in DC and 1910.00 ft in DP
 2430.00 ft of Clean oil
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of

SALINITY 0.00 P.P.M. A.P.I. Gravity 29.00

BLOW DESCRIPTION

Initial Flow:
 Strong blow throughout
 Initial Shut-in:
 5" blow back
 Final Flow:
 Strong blow throughout
 Final Shut-in:
 5" blow back

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type chemical
 Weight 9.20 lb/cf
 Vis. 46.00 S/L
 W.L. 8.80 in3
 F.C. 0.00 in
 Mud Drop

Amt. of fill 0.00 ft
 Btm. H. Temp. 114.00 F
 Hole Condition good
 % Porosity 0.00
 Packer Size. 6.75 in
 No. of Packers 2
 Cushion Amt. 0.00
 Cushion Type
 Reversed Out Y
 Tool Chased N
 Tester Ray Schwager
 Co. Rep. Randy Killian
 Contr. Murfin Drlg
 Rig # 8
 Unit #
 Pump T.

Test Successful: Y

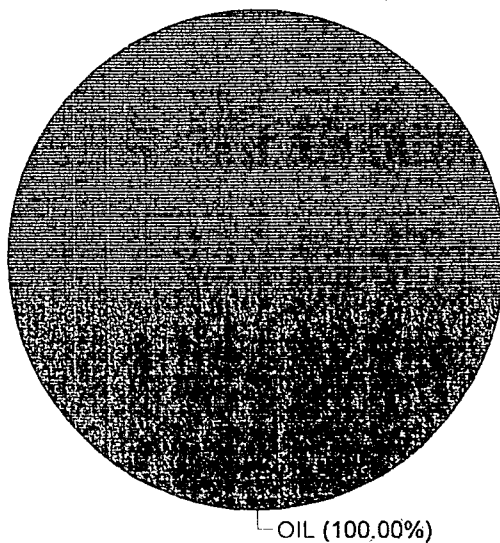
CALCULATED RECOVERY ANALYSIS

DST # 5 TICKET 12297

Drill Pipe	TOTAL	GAS		OIL		WATER		MUD	
#	FEET	%	FEET	%	FEET	%	FEET	%	FEET
1	1910		0	100	1910		0		0
2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
6			0		0		0		0
Drill Collars									
1	520		0	100	520		0		0
2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	2430	0.00	0	100.00	2430	0.00	0	0	0

HRS OP BBL/DAY

BBL OIL= 29.703 * 0.416 1713.63
 BBL WATER= 0 * 0
 BBL MUD= 0
 BBL GAS 0



*** TOOL DIAGRAM *** CONV

WELL NAME: Holland Unit #19-1

LOCATION : 19-11s-19w Ellis co KS

TICKET No. 12297 D.S.T. No. 5 DATE 8-22-99

TOTAL TOOL TO BOTTOM OF TOP PACKERS 20

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 18

TOTAL TOOL 38

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY.....

D.C. ABOVE TOOLS.Stands9 Single Total 520

D.P. ABOVE TOOLS.Stands48 Single 1 Total 3002

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3560

TOTAL DEPTH 3530

TOTAL DRILL PIPE ABOVE K.B. 30

REMARKS:

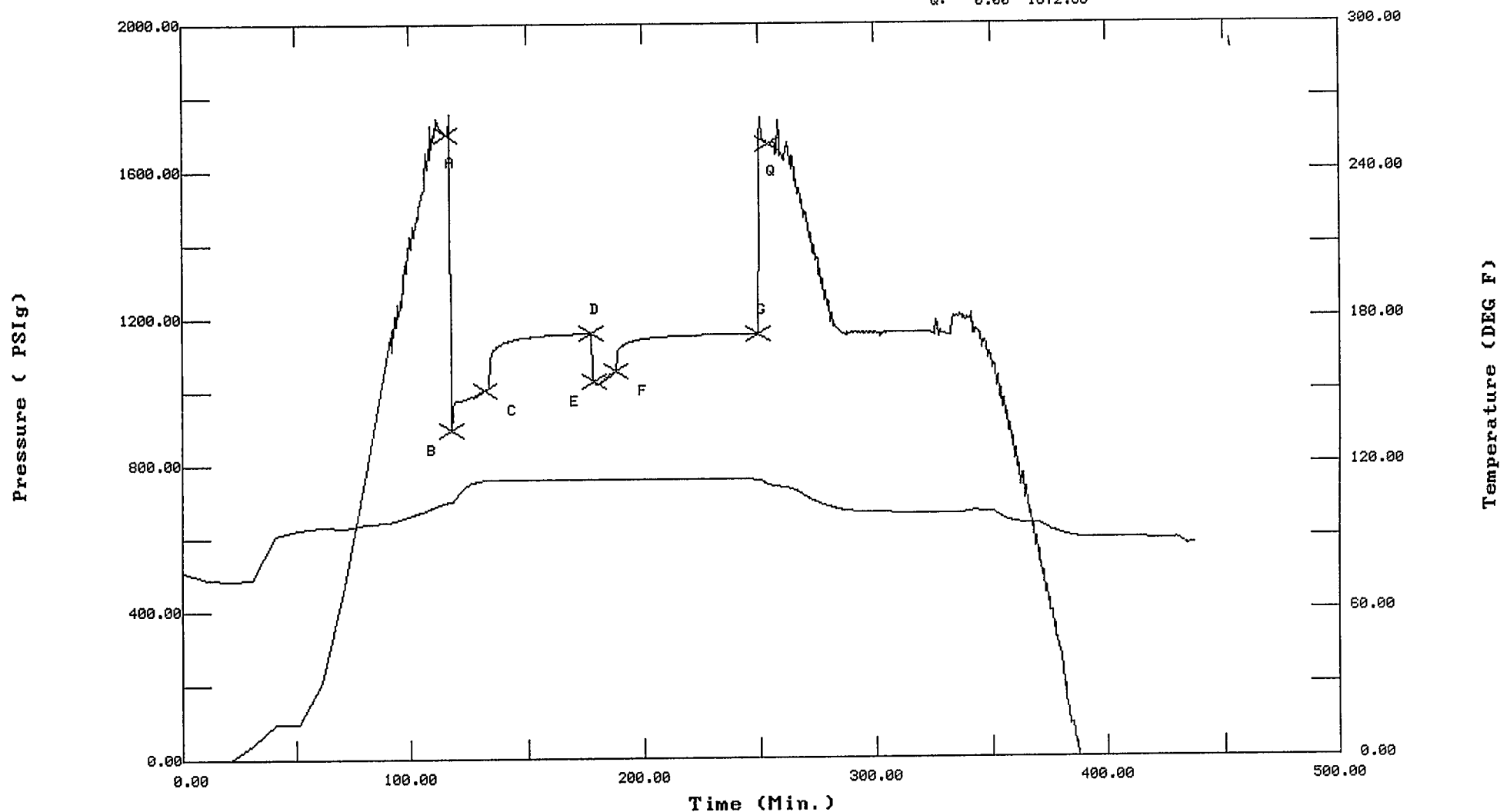
P.O. SUB	3371
C.O. SUB	3493
S.I. TOOL	3497
HMV	3502
JARS	
SAFETY JOINT	
PACKER	3507
PACKER	3512
DEPTH	
STUBB	3513
ANCHOR 5'perf	3518
5' "	3523
Alpine@3515	
AK-1 @3527	
T.C.	
DEPTH	
4'perf	3527
BULLNOSE 3'bullplug	3530
T.D.	3530

TEST HISTORY

12297 DST#5 Holland Unit #19-1 Hal C. Porter

Flag Points
t(Min.) P(PSig)

A:	0.00	1701.60
B:	0.00	894.14
C:	14.50	1005.11
D:	45.50	1159.62
E:	0.00	1028.40
F:	9.50	1054.64
G:	61.50	1156.56
Q:	0.00	1672.68



TRILOBITE TESTING L.L.C.

OPERATOR : Hal C. Porter
 WELL NAME: Holland Unit #19-1
 LOCATION : 19-11s-19w Ellis co KS
 INTERVAL : 3542.00 To 3552.00 ft

DATE 8-22-99
 KB 1970.00 ft TICKET NO: 12298 DST #6
 GR 1965.00 ft FORMATION: Arbuckle
 TD 3552.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11085	11085	3027			PF Fr. 2226 to 2256 hr
SI 30 Range(Psi)	4300.0	4300.0	4995.0	0.0	0.0	IS Fr. 2256 to 2326 hr
SF 30 Clock(hrs)	12hr	12	elec			SF Fr. 2326 to 2356 hr
FS 30 Depth(ft)	3549.0	3549.0	3544.0	0.0	0.0	FS Fr. 2356 to 0026 hr

	Field	1	2	3	4	
A. Init Hydro	0.0	0.0	1696.0	0.0	0.0	T STARTED 2020 hr
B. First Flow	0.0	0.0	40.0	0.0	0.0	T ON BOTM 2223 hr
B1. Final Flow	0.0	0.0	256.0	0.0	0.0	T OPEN 2226 hr
C. In Shut-in	0.0	0.0	901.0	0.0	0.0	T PULLED 0026 hr
D. Init Flow	0.0	0.0	266.0	0.0	0.0	T OUT 0315 hr
E. Final Flow	0.0	0.0	342.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	865.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	0.0	0.0	1683.0	0.0	0.0	Tool Wt. 2200.00 lbs
Inside/Outside	o	o	i			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 90000.00 lbs
						Initial Str Wt 59000.00 lbs
						Unseated Str Wt 68000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.78 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 520.00 ft
						D.P. Length 3033.00 ft

RECOVERY

Tot Fluid 900.00 ft of 520.00 ft in DC and 380.00 ft in DP
 900.00 ft of Clean oil
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 SALINITY 0.00 P.P.M. A.P.I. Gravity 23.00

BLOW DESCRIPTION

Initial Flow:
 Strong blow in 5 mins.
 Final Flow:
 Weak building to a strong blow
 in 14 mins.

SAMPLES:
 SENT TO:

Test Successful: Y

MUD DATA-----

Mud Type	chemical
Weight	9.20 lb/cf
Vis.	46.00 S/L
W.L.	8.80 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	109.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Ray Schwager
Co. Rep.	Randy Killian
Contr.	Murfin Drlg.
Rig #	8
Unit #	
Pump T.	

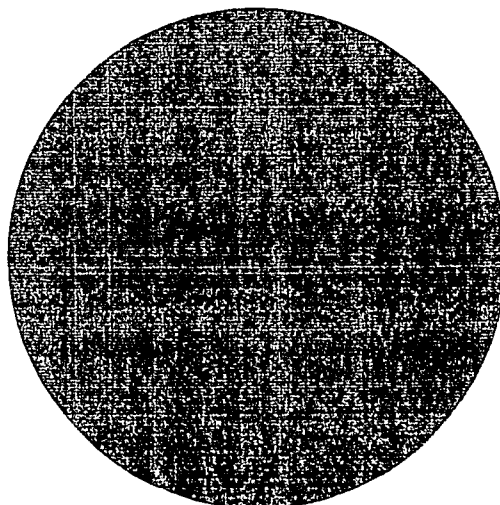
CALCULATED RECOVERY ANALYSIS

DST # 6 TICKET 12298

Drill Pipe	TOTAL	GAS	OIL		WATER		MUD	
#	FEET	%	FEET	%	FEET	%	FEET	%
1	380		0	100	380		0	0
2			0		0		0	0
3			0		0		0	0
4			0		0		0	0
5			0		0		0	0
6			0		0		0	0
Drill Collars								
1	520		0	100	520		0	0
2			0		0		0	0
3			0		0		0	0
4			0		0		0	0
5			0		0		0	0
TOTAL	900	0.00	0	100.00	900	0.00	0	0

HRS OP BBL/DAY

BBL OIL= 7.9464 * 1 190.714
 BBL WATER= 0 * 0
 BBL MUD= 0
 BBL GAS 0



OIL (100.00%)

*** TOOL DIAGRAM *** CONV

WELL NAME: Holland Unit #19-1

LOCATION : 19-11s-19w Ellis co KS

TICKET No. 12298 D.S.T. No. 6 DATE 8-22-99

TOTAL TOOL TO BOTTOM OF TOP PACKERS 20

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 10

TOTAL TOOL 30

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY

D.C. ABOVE TOOLS.Stands9 Single Total 520

D.P. ABOVE TOOLS.Stands48 Single 1 Total 3033

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3583

TOTAL DEPTH 3552

TOTAL DRILL PIPE ABOVE K.B. 31

REMARKS:

P.O. SUB	3401
C.O. SUB	3523
S.I. TOOL	3527
HMV	3532
JARS	
SAFETY JOINT	
PACKER	3537
PACKER	3542
DEPTH	
STUBB	3543
ANCHOR 5'pperf	3548
Alpine@3544	
AK-1 @3549	
T.C.	
DEPTH	
1'perf	3549
BULLNOSE 3'bullplug	3552
T.D.	3552

TEST HISTORY

12298 DST#6 Holland Unit #19-1 Hal C. Porter

Flag Points
t(Min.) P(PSig)

A: 0.00 1696.51
B: 0.00 40.20
C: 29.50 256.77
D: 31.50 901.97
E: 0.00 266.55
F: 29.50 342.43
G: 29.50 865.42
Q: 0.00 1683.95

