TRILOBITE TESTING L.L.C.

OPERATOR : Hummon Corp. DATE 05-18-99
WELL NAME: Reynolds #1 KB 2093.00 ft TICKET NO: 11416 DST #1
LOCATION : 28-32s-18w Comanche co KS GR 2080.00 ft FORMATION: Drum
INTERVAL : 4701.00 To 4731.00 ft TD 4731.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4
PF 30	Rec.	10248	10248	2342		
SI 45	Range(Psi)	4400.0	4400.0	4995.0	0.0	0.0
SF 30	Clock(hrs)	12 hr	12 hr	batt.		
FS 45	Depth(ft)	4728.0	4728.0	4707.0	0.0	0.0

TIME DATA----------
PF Fr. 0502 to 0532 hr
IS Fr. 0532 to 0617 hr
SF Fr. 0617 to 0647 hr
FS Fr. 0647 to 0732 hr

	Field	1	2	3	4
A. Init Hydro	2234.0	2260.0	2246.0	0.0	0.0
B. First Flow	28.0	29.0	30.0	0.0	0.0
B1. Final Flow	166.0	158.0	179.0	0.0	0.0
C. In Shut-in	1679.0	1668.0	1694.0	0.0	0.0
D. Init Flow	193.0	179.0	183.0	0.0	0.0
E. Final Flow	256.0	231.0	261.0	0.0	0.0
F. Fl Shut-in	1672.0	1662.0	1691.0	0.0	0.0
G. Final Hydro	2228.0	2225.0	2236.0	0.0	0.0
Inside/Outside	O	O	I	T	

T STARTED 0242 hr
T ON BOTM 0442 hr
T OPEN 0502 hr
T PULLED 0733 hr
T OUT 0930 hr

RECOVERY
Tot Fluid 440.00 ft of 290.00 ft in DC and 150.00 ft in DP
90.00 ft of Muddy water 20% mud 80% water
350.00 ft of Salt water.
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of Rw .055 ohms @ 82 degrees F.
0.00 ft of EST.FT. of PAY----------6
SALINITY 132000.00 P.P.M. A.P.I. Gravity 0.00

TOOL DATA----------

Tool Wt.	2100.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	76000.00 lbs
Initial Str Wt	67000.00 lbs
Unseated Str Wt	68000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	290.00 ft
D.P. Length	4422.00 ft

BLOW DESCRIPTION
Initial Flow:
Fair to strong blow bottom of bucket in 23 mins.
Initial Shut-in:
No blow.
Final Flow:
Weak to fair blow slow increase to 10 "
Final Shut-in:
No blow

MUD DATA----------

Mud Type	Chemical
Weight	9.20 lb/cf
Vis.	50.00 S/L
W.L.	10.80 in3
F.C.	0.20 in
Mud Drop	N
Amt. of fill	2.00 ft
Btm. H. Temp.	123.00 F
Hole Condition	Good
% Porosity	14.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 N
Cushion Type	None
Reversed Out	N
Tool Chased	N
Tester	Gary Pevoteaux
Co. Rep.	Arden Ratzlaff
Contr.	Duke Drlg.
Rig #	7
Unit #	
Pump T.	LCM 0#/bl

SAMPLES: none
SENT TO:Caraway/Liberal

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

ELL NAME: Reynolds #1

OCATION : Sec.28 Twp.32s Rg.18w Ks

ICKET No. 11416 D.S.T. No. 1 DATE 05-18-99

OTAL TOOL TO BOTTOM OF TOP PACKERS 22

NTERVAL TOOL .....

OTTOM PACKERS AND ANCHOR 30

OTAL TOOL 52

RILL COLLAR ANCHOR IN INTERVAL .....

.C. ANCHOR STND.Stands Single Total

.P. ANCHOR STND.Stands Single Total

OTAL ASSEMBLY 52

.C. ABOVE TOOLS.Stands 5 Single Total 290

.P. ABOVE TOOLS.Stands 71 Single 1 Total 4422

OTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4764

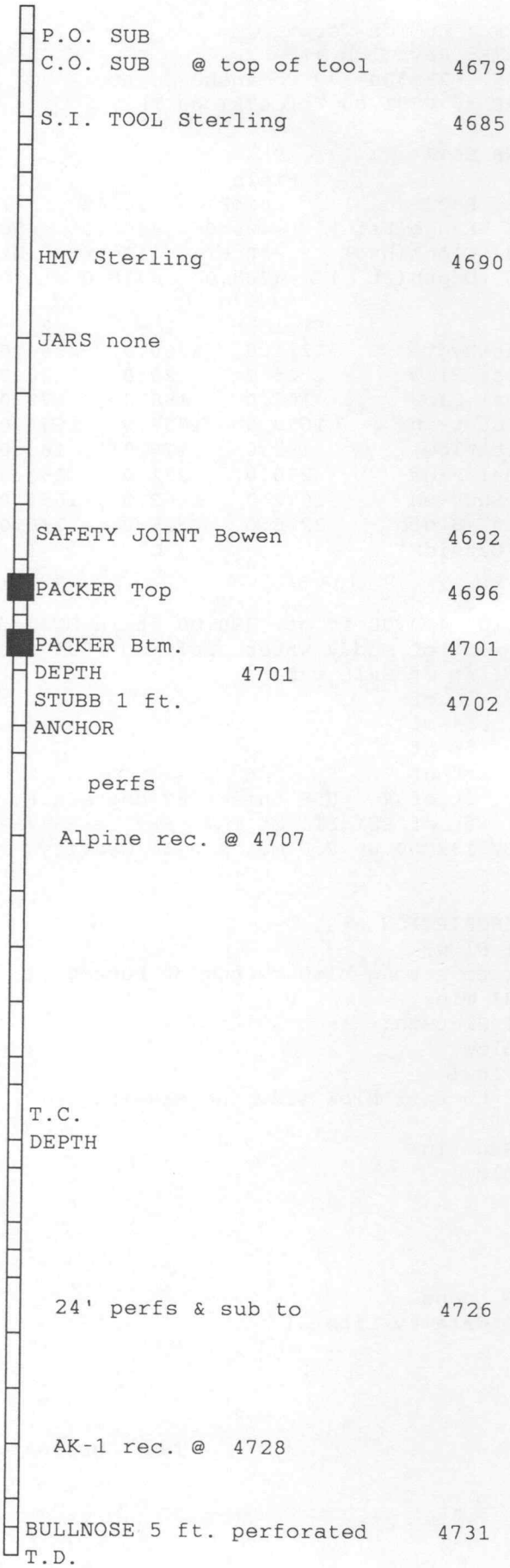
OTAL DEPTH 4731

OTAL DRILL PIPE ABOVE K.B. 33

EMARKS:
omments:

FLUID SAMPLER DATA (not run)

AS---------- cubic ft
AL---------- ML.
ID---------- ML.
ATER---------- ML.
THER----------
RESSURE---------- PSI
---------- ohms @ deg. F.
LORIDES---------- ppm.
AVITY---------- deg.API



TEST HISTORY

11416 DST#1 REYNOLDS #1 HUMMON CORP.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2245.73
B:	0.00	30.37
C:	29.50	178.76
D:	44.50	1694.16
E:	0.00	182.53
F:	29.50	260.59
G:	45.50	1691.05
Q:	0.00	2236.25

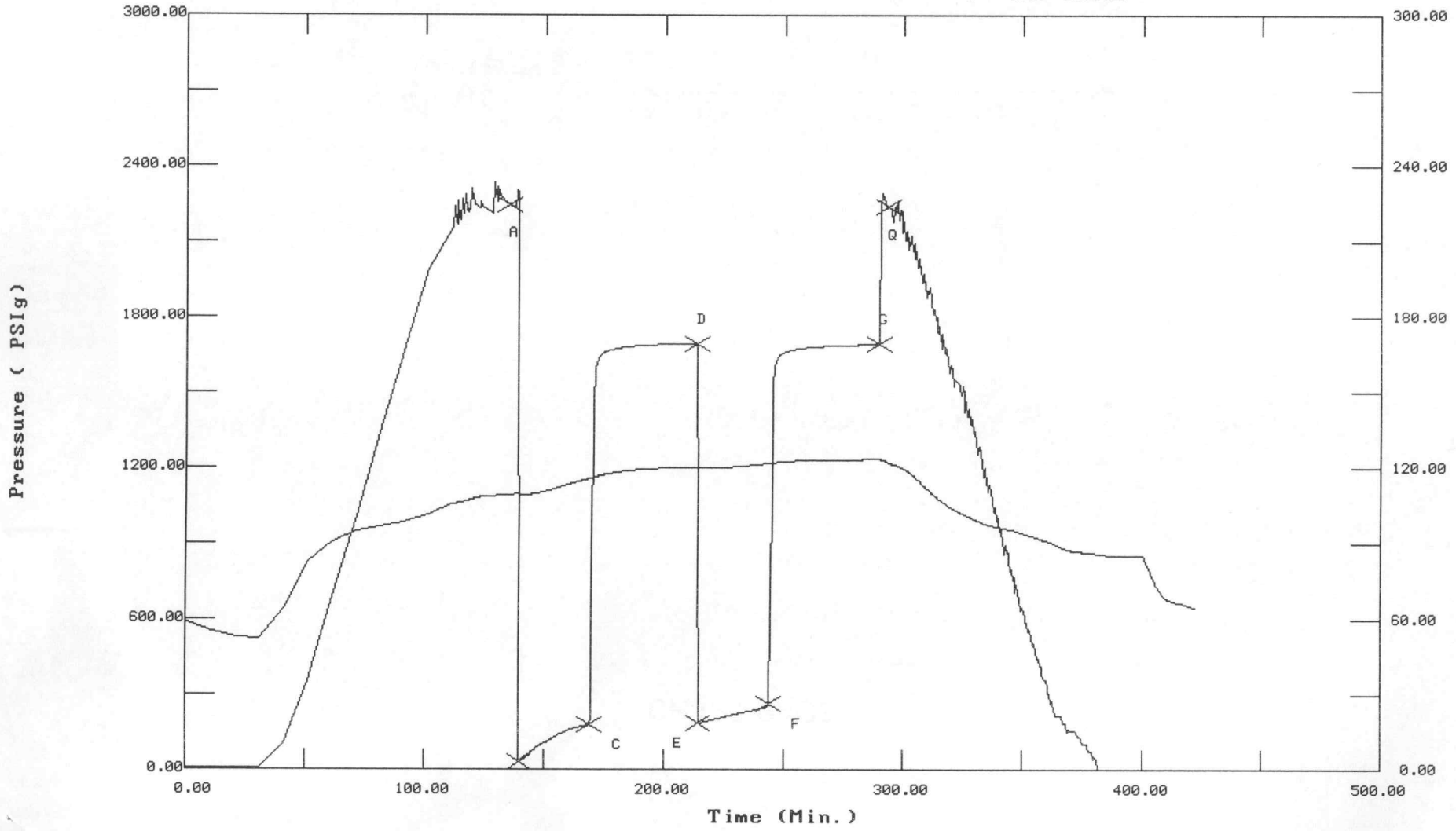
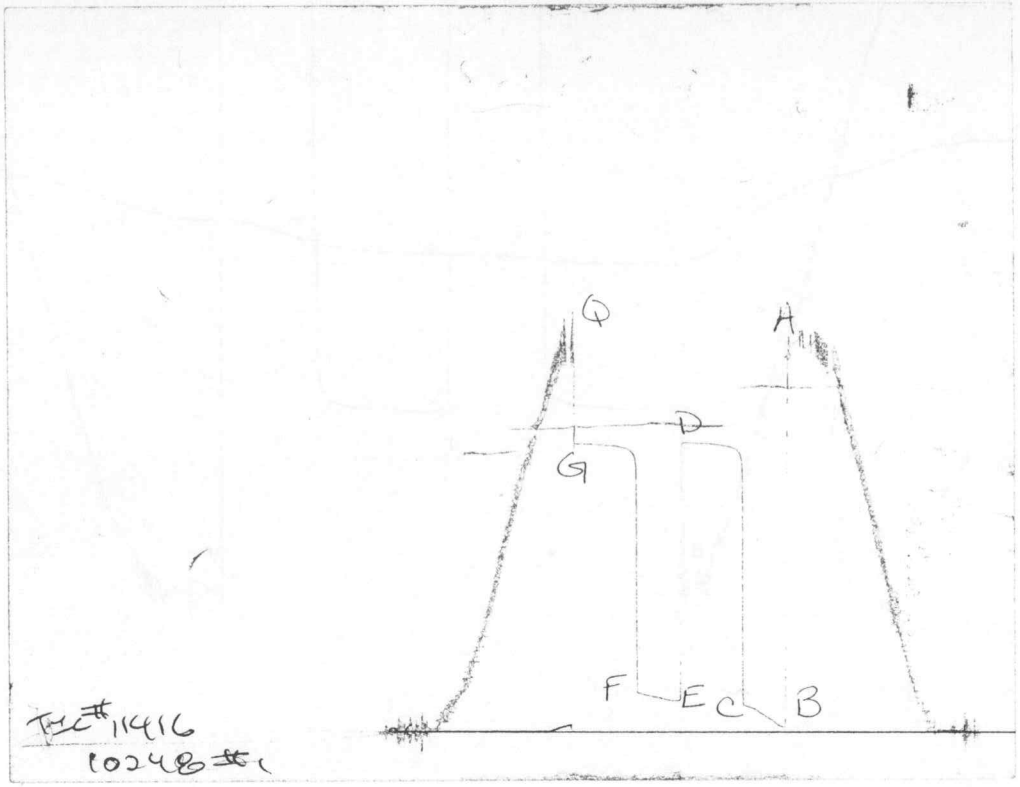


CHART PAGE



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TRILOBITE TESTING L.L.C.

OPERATOR : Hummon Corp.
WELL NAME: Reynolds #1
LOCATION : 28-32s-18w Comanche co KS
INTERVAL : 5027.00 To 5096.00 ft

DATE 05-19-99
KB 2093.00 ft
GR 2080.00 ft
TD 5096.00 ft

TICKET NO: 11417 DST #2
FORMATION: Altamont
TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins			Field	1	2	3	4
PF	30	Rec.	10248	10248	2342		
SI	60	Range(Psi)	4400.0	4400.0	4995.0	0.0	0.0
SF	90	Clock(hrs)	12 hr	12 hr	batt.		
FS	120	Depth(ft)	5093.0	5093.0	5038.0	0.0	0.0

TIME DATA----------
PF Fr. 1620 to 1650 hr
IS Fr. 1650 to 1750 hr
SF Fr. 1750 to 1920 hr
FS Fr. 1920 to 2120 hr

	Field	1	2	3	4
A. Init Hydro	2448.0	2490.0	2393.0	0.0	0.0
B. First Flow	57.0	68.0	35.0	0.0	0.0
B1. Final Flow	73.0	68.0	50.0	0.0	0.0
C. In Shut-in	1668.0	1677.0	1664.0	0.0	0.0
D. Init Flow	80.0	94.0	67.0	0.0	0.0
E. Final Flow	91.0	94.0	87.0	0.0	0.0
F. Fl Shut-in	1767.0	1773.0	1757.0	0.0	0.0
G. Final Hydro	2437.0	2419.0	2396.0	0.0	0.0
Inside/Outside	O	O	I	T	

T STARTED 1422 hr
T ON BOTM 1616 hr
T OPEN 1620 hr
T PULLED 2122 hr
T OUT 2335 hr

TOOL DATA----------

Tool Wt.	2100.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	76000.00 lbs
Initial Str Wt	70000.00 lbs
Unseated Str Wt	70000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	290.00 ft
D.P. Length	4734.00 ft

RECOVERY
Tot Fluid 130.00 ft of 130.00 ft in DC and 0.00 ft in DP
0.00 ft of Gas in all fluid free pipe.
130.00 ft of Drilling mud
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of Rw n.c. ohms @ degrees F.
0.00 ft of EST.FT. of PAY----------5
SALINITY 5000.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA----------

Mud Type	Chemical
Weight	9.20 lb/ci
Vis.	48.00 S/L
W.L.	10.80 in3
F.C.	0.20 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	121.00 F
Hole Condition	Good
% Porosity	12.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 N
Cushion Type	None
Reversed Out N	
Tool Chased N	
Tester	Gary Pevoteaux
Co. Rep.	Arden Ratzlaff
Contr.	Duke Drlg.
Rig #	7
Unit #	
Pump T.	LCM 0#/bl

BLOW DESCRIPTION
Initial Flow:
Strong blow bottom of bucket in
5 1/2 mins.
Initial Shut-in:
Weak blow. (1/2")
Final Flow:
Strong blow bottom of bucket in
2 secs. gas to surface in 50 mins.
(see gas volume report)
Final Shut-in:
No blow

SAMPLES: Gas sample
SENT TO:Caraway/Liberal

Test Successful: Y

GAS RECOVERY

OMPANY: Hummon Corp. DATE: 05-19-99
ELL NAME: Reynolds #1 KB Elev: 2093.00 ft TICKET #11417 DST #2
ELL LOCATION: Sec.28 Twp.32s Rg.18w Ks GR Elev: 2080.00 ft FORMATION: Altamont
NTERVAL Fr.: 5027.00 To 5096.00 T.D.: 5096.00 ft TEST TYPE: CONVENTIONAL

AS RECOVERY MEASURED WITH Adjusting Choke

**** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
55	0.25	0	18	7120.0
60	0.25	0	15	6550.0
70	0.25	0	13	6100.0
90	0.25	0	18	7120.0

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Reynolds #1

LOCATION : Sec.28 Twp.32s Rg.18w Ks

TICKET No. 11417 D.S.T. No. 2 DATE 05-19-99

TOTAL TOOL TO BOTTOM OF TOP PACKERS 22

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR 37

TOTAL TOOL 59

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single 1 Total 32

TOTAL ASSEMBLY 91

D.C. ABOVE TOOLS.Stands 5 Single Total 290

D.P. ABOVE TOOLS.Stands 76 Single 1 Total 4732

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5115

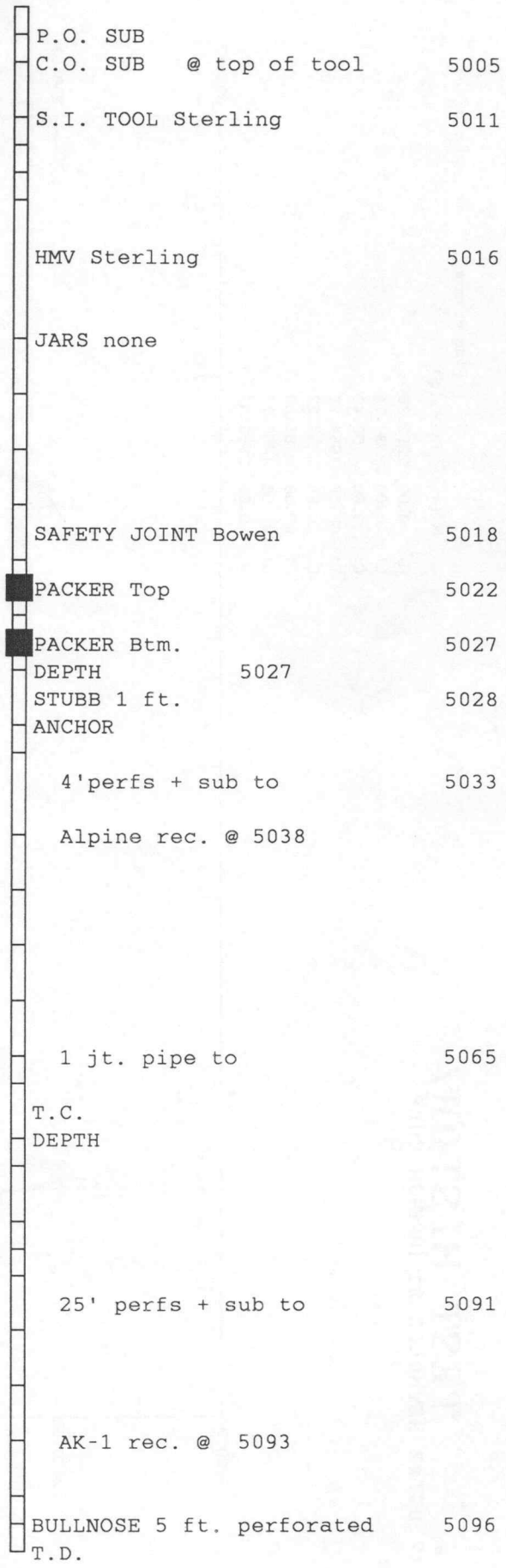
TOTAL DEPTH 5096

TOTAL DRILL PIPE ABOVE K.B. 19

REMARKS:
Comments:

FLUID SAMPLER DATA (not run)

GAS---------- cubic ft
OIL---------- ML.
MUD---------- ML.
WATER---------- ML.
OTHER----------
PRESSURE---------- PSI
Rw ---------- ohms @ deg. F.
CHLORIDES---------- ppm.
GRAVITY---------- deg.API



TEST HISTORY

11417 DST#2 REYNOLDS #1 HUMMON CORP.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2392.86
B:	0.00	34.74
C:	28.00	50.43
D:	60.50	1664.28
E:	0.00	67.22
F:	89.50	86.60
G:	121.50	1756.77
Q:	0.00	2396.47

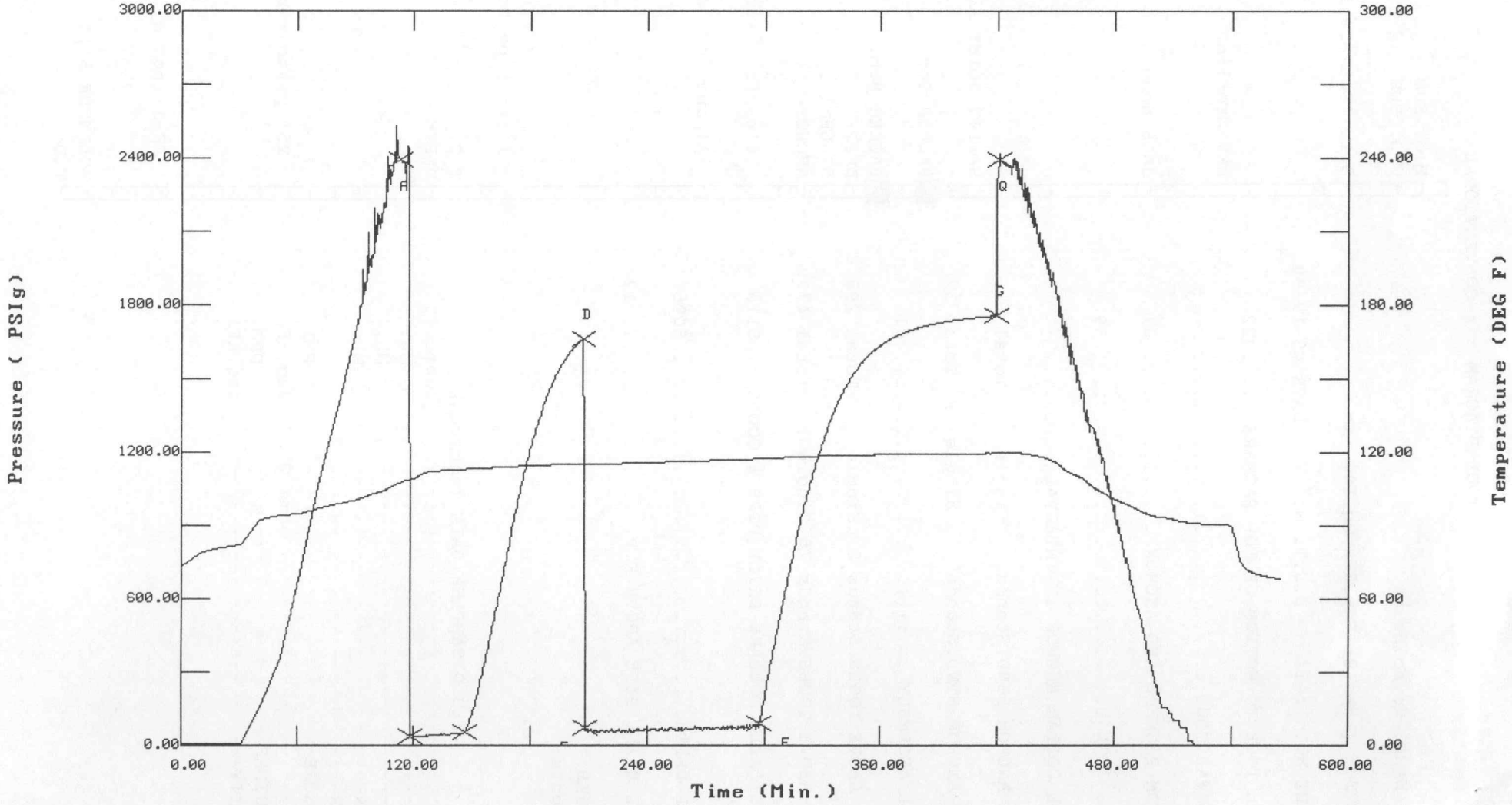
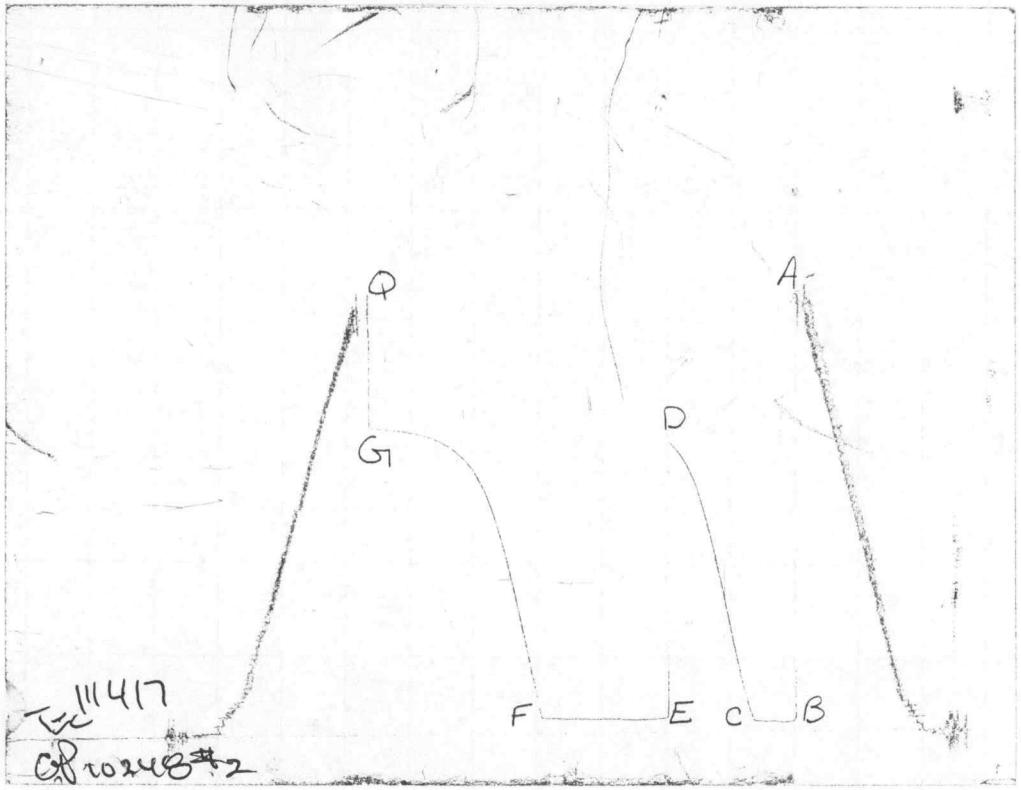


CHART PAGE



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TRILOBITE TESTING L.L.C.

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GAS VOLUME REPORT

HUMMON CORP. — OPERATOR

REYNOLDS #1 — WELL NAME AND NO.

2 — DST NO.

INITIAL OPEN				FINAL OPEN			
Min.	Ins. of Water PSIG	Orifice Size	MCF/D	Min.	Ins. of Water PSIG	Orifice Size	MCF/D
			Strong blow.	50		1/4"	GTS
			No GTS	55	18" in H20	1/4"	7.12
				60	15" in H20	1/4"	6.55
				70	13" in H20	1/4"	6.10
				80	N.C.	X	TOOK SAMPLE
				90	18" in H20	1/4"	7.12

Remarks:

NCR

TRILOBITE TESTING L.L.C.

OPERATOR : Hummon Corp. DATE 05-20-99
WELL NAME: Reynolds #1 KB 2093.00 ft TICKET NO: 11418 DST #3
LOCATION : 28-32s-18w Comanche co KS GR 2080.00 ft FORMATION: Miss.
INTERVAL : 5148.00 To 5205.00 ft TD 5205.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4
PF 30	Rec.	10248	10248	2342		
SI 60	Range(Psi)	4400.0	4400.0	4995.0	0.0	0.0
SF 60	Clock(hrs)	12 hr	12 hr	batt.		
FS 90	Depth(ft)	5202.0	5202.0	5158.0	0.0	0.0

TIME DATA----------
PF Fr. 1607 to 1637 hr
IS Fr. 1637 to 1737 hr
SF Fr. 1737 to 1837 hr
FS Fr. 1837 to 2007 hr

	Field	1	2	3	4
A. Init Hydro	2525.0	2567.0	2526.0	0.0	0.0
B. First Flow	145.0	150.0	185.0	0.0	0.0
B1. Final Flow	128.0	143.0	128.0	0.0	0.0
C. In Shut-in	1668.0	1663.0	1670.0	0.0	0.0
D. Init Flow	153.0	163.0	248.0	0.0	0.0
E. Final Flow	128.0	139.0	131.0	0.0	0.0
F. Fl Shut-in	1668.0	1659.0	1670.0	0.0	0.0
G. Final Hydro	2492.0	2501.0	2493.0	0.0	0.0
Inside/Outside	O	O	I	T	

T STARTED 1400 hr
T ON BOTM 1600 hr
T OPEN 1607 hr
T PULLED 2007 hr
T OUT 2235 hr

RECOVERY
Tot Fluid 190.00 ft of 190.00 ft in DC and 0.00 ft in DP
0.00 ft of Gas in all fluid free pipe.
70.00 ft of Drilling mud 10% water 90% mud
120.00 ft of Watery mud 14% water 86% mud
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of Rw .48 ohms @ 70 degrees F.
0.00 ft of EST.FT. of PAY----------10
SALINITY 14000.00 P.P.M. A.P.I. Gravity 0.00

TOOL DATA----------

Tool Wt.	2100.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	76000.00 lbs
Initial Str Wt	72000.00 lbs
Unseated Str Wt	72000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	290.00 ft
D.P. Length	4859.00 ft

BLOW DESCRIPTION
Initial Flow:
Strong blow gas to surface in 3 mins.
(see gas volume report)
Initial Shut-in:
Weak blow. (1 - 3")
Final Flow:
Strong blow (see gas volume report)
Final Shut-in:
No blow

MUD DATA----------

Mud Type	Chemical
Weight	9.00 lb/c
Vis.	52.00 S/L
W.L.	10.80 in3
F.C.	0.20 in
Mud Drop	N
Amt. of fill	0.00 ft
Btm. H. Temp.	124.00 F
Hole Condition	Good
% Porosity	20.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 N
Cushion Type	None
Reversed Out	N
Tool Chased	N
Tester	Gary Pevoteaux
Co. Rep.	Arden Ratzlaff
Contr.	Duke Drlg.
Rig #	7
Unit #	
Pump T.	LCM 2.5 #/bl

SAMPLES: Gas sample
SENT TO:Caraway/Liberal

Test Successful: Y

GAS RECOVERY

COMPANY: Hummon Corp. DATE: 05-20-99
WELL NAME: Reynolds #1 KB Elev: 2093.00 ft TICKET #11418 DST #3
WELL LOCATION: Sec.28 Twp.32s Rg.18w Ks GR Elev: 2080.00 ft FORMATION: Miss.
INTERVAL Fr.: 5148.00 To 5205.00 T.D.: 5205.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH Adjusting Choke

***** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	0.75	20	0	398000.0
10	0.75	26	0	473000.0
20	0.75	28	0	497000.0
30	0.75	26	0	473000.0

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	0.75	27	0	487000.0
20	0.75	27	0	487000.0
30	0.75	26	0	473000.0
40	0.75	24	0	449000.0
50	0.75	22	0	424000.0
60	0.75	22	0	424000.0

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Reynolds #1

LOCATION : Sec.28 Twp.32s Rg.18w Ks

TICKET No. 11418 D.S.T. No. 3 DATE 05-20-99

TOTAL TOOL TO BOTTOM OF TOP PACKERS 22

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR 26

TOTAL TOOL 48

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single 1 Total 31

TOTAL ASSEMBLY 79

D.C. ABOVE TOOLS.Stands 5 Single Total 290

D.P. ABOVE TOOLS.Stands 78 Single 1 Total 4859

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5228

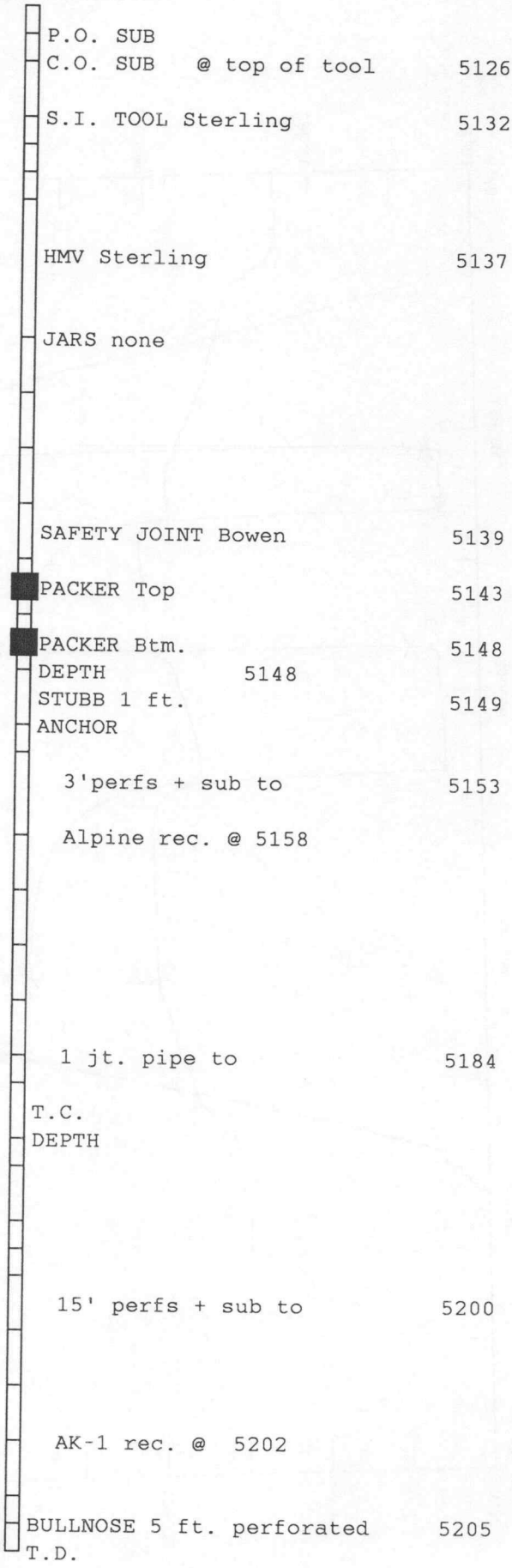
TOTAL DEPTH 5205

TOTAL DRILL PIPE ABOVE K.B. 23

REMARKS:
Comments:

FLUID SAMPLER DATA (not run)

GAS---------- cubic ft
OIL---------- ML.
MUD---------- ML.
WATER---------- ML.
OTHER----------
PRESSURE---------- PSI
Rw ---------- ohms @ deg. F.
CHLORIDES---------- ppm.
GRAVITY---------- deg.API

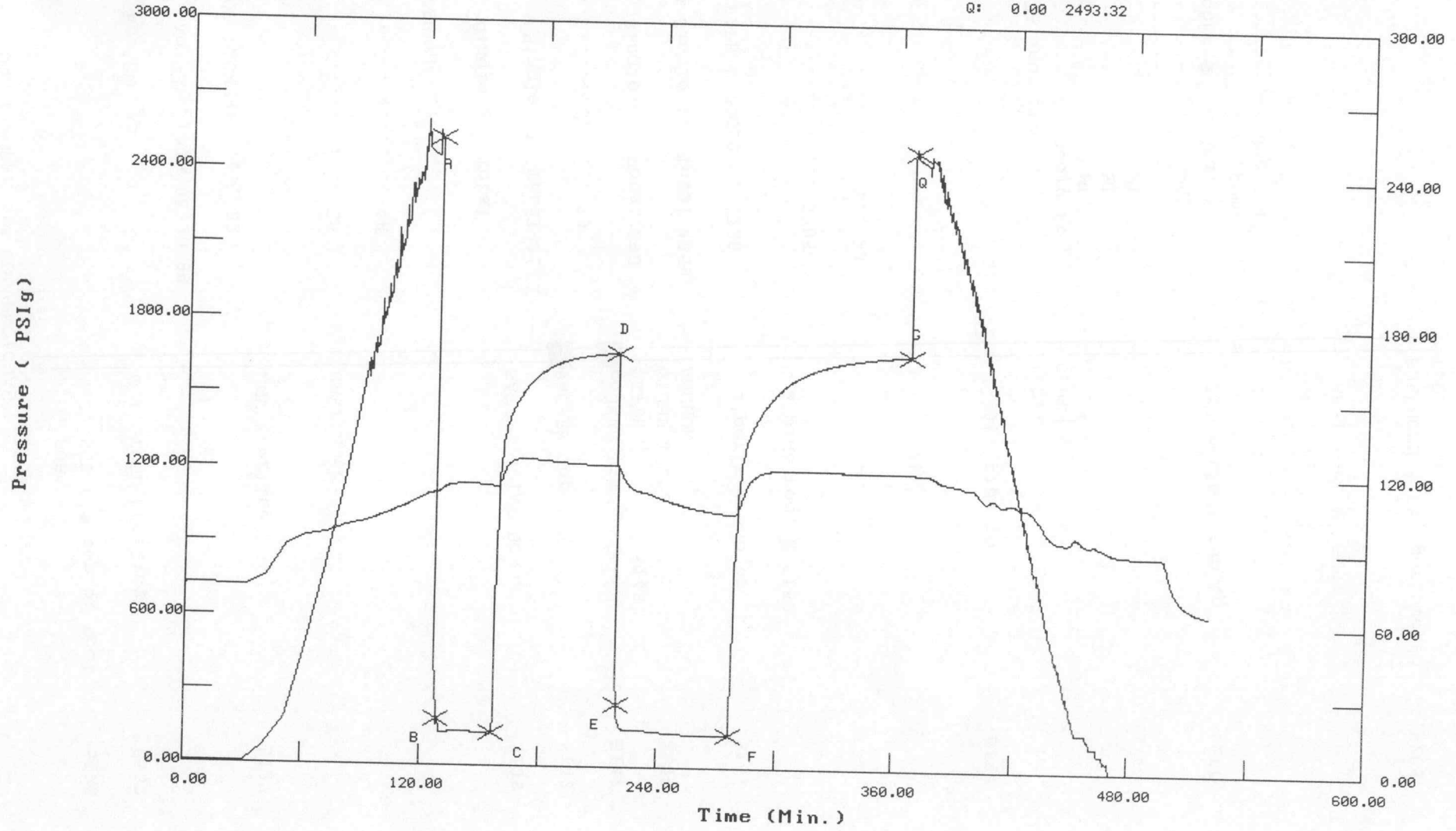


TEST HISTORY

11418 DST#3 REYNOLDS #1 HUMMON CORP.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2525.72
B:	0.00	185.47
C:	28.50	127.56
D:	61.50	1669.57
E:	0.00	248.25
F:	57.00	130.83
G:	90.00	1670.32
Q:	0.00	2493.32

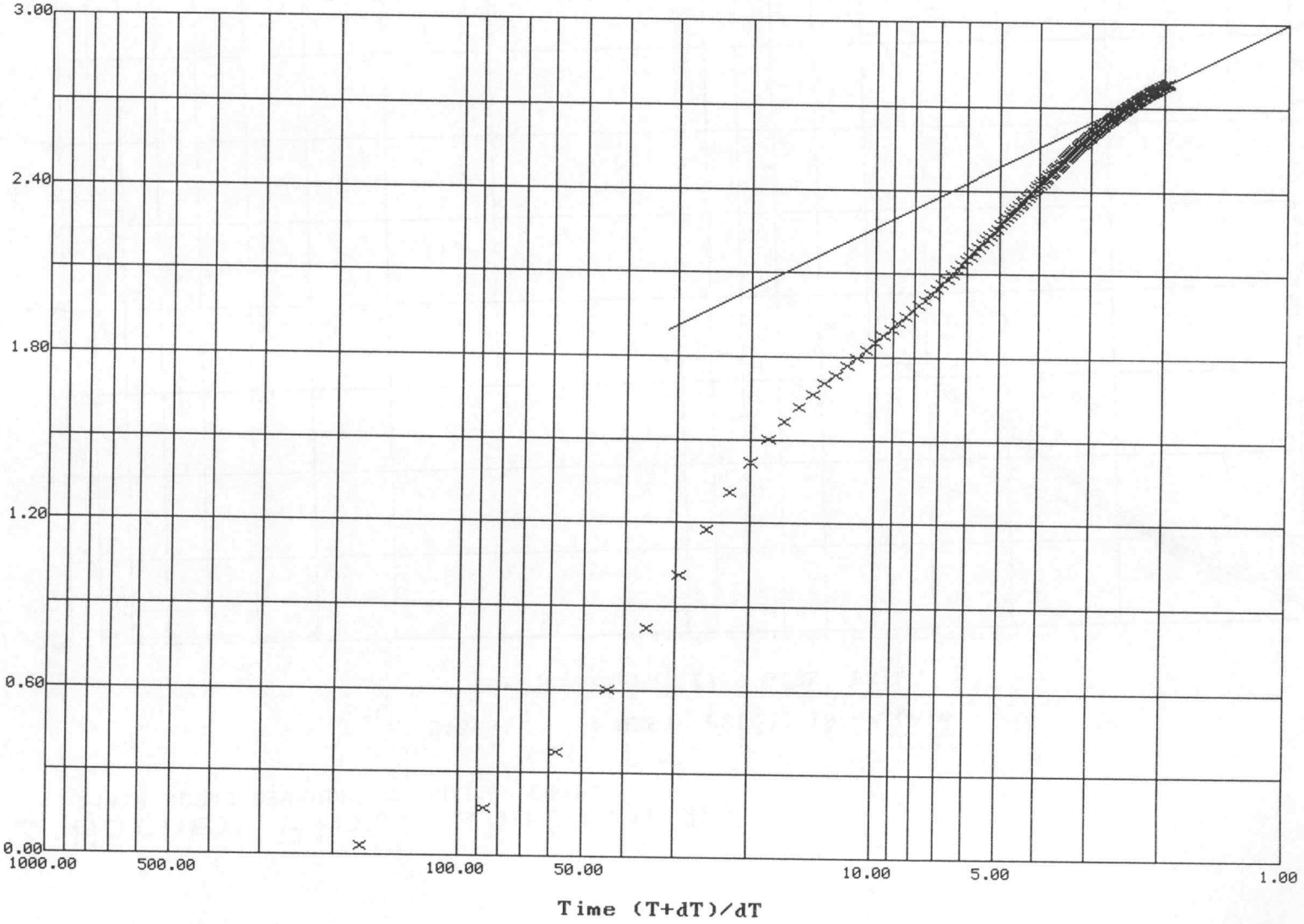


P^2 Horner Plot: shut-in #2

11418 DST#3 REYNOLDS #1 HUMMON CORP.

Slope: 0.7404 PSIg^2/10^6/cycle

Ext. Pressure: 1733.4025 PSIg



P^2 Horner Plot: shut-in #1

11418 DST#3 REYNOLDS #1 HUMMON CORP.

Slope: 1.0254 PSIg^2/10^6/cycle

Ext. Pressure: 1719.6195 PSIg

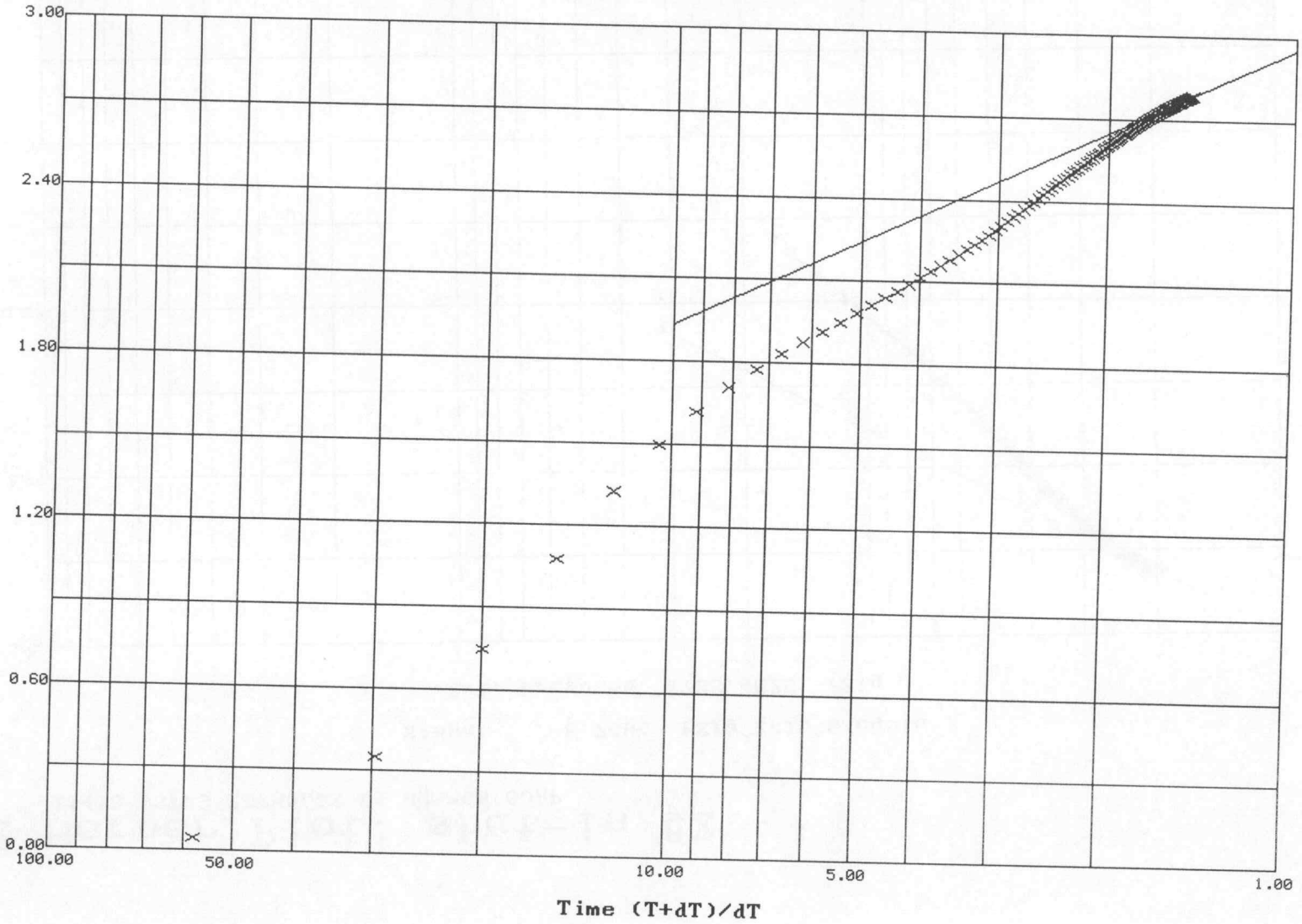
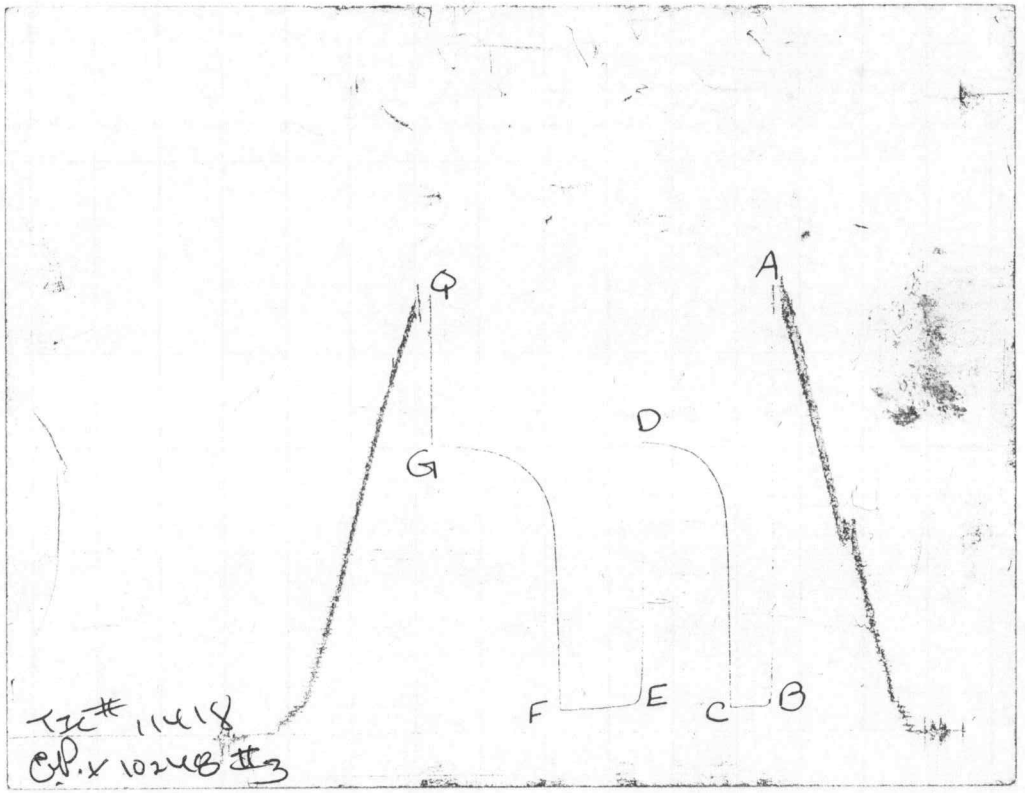


CHART PAGE



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TRILOBITE TESTING L.L.C.

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GAS VOLUME REPORT

Hummon Corp. | Reynolds #1 | 3

OPERATOR | WELL NAME AND NO. | DST NO.

INITIAL OPEN				FINAL OPEN			
Min.	Ins. of Water PSIG	Orifice Size	MCF/D	Min.	Ins. of Water PSIG	Orifice Size	MCF/D
3	~	3/4"	GTS	10	27 PSI	3/4"	487
2	20# PSI	3/4"	398	20	27 PSI	3/4"	487
0	26 PSI	3/4"	473	30	26 PSI	3/4"	473
0	28 PSI	3/4"	497	40	24 PSI	3/4"	449
0	26 PSI	3/4"	473	50	22 PSI	3/4"	424
				60	22 PSI	3/4"	424

Remarks:

NCR

TRILOBITE TESTING L.L.C.

OPERATOR : Hummon ,corp.
WELL NAME: Reynolds-#1
LOCATION : 28-32s-18w Comanche co KS
INTERVAL : 5209.00 To 5245.00 ft

DATE 05/21/199
KB 2093.00 ft
GR 2080.00 ft
TD 5245.00 ft

TICKET NO: 11430 DST #4
FORMATION: Miss
TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4
PF 30	Rec.	10332	10332	2357		
SI 45	Range(Psi)	4025.0	4025.0	4995.0	0.0	0.0
SF 0	Clock(hrs)	12hr.	12hr.	elec.		
FS 0	Depth(ft)	5242.0	5242.0	5216.0	0.0	0.0

TIME DATA----------
PF Fr. 1200 to 1230 hr
IS Fr. 1230 to 1315 hr
SF Fr. pull to tool hr
FS Fr. to hr

	Field	1	2	3	4
A. Init Hydro	2610.0	2616.0	2529.0	0.0	0.0
B. First Flow	122.0	136.0	24.0	0.0	0.0
B1. Final Flow	122.0	136.0	41.0	0.0	0.0
C. In Shut-in	1518.0	1553.0	1572.0	0.0	0.0
D. Init Flow	0.0	0.0	24.0	0.0	0.0
E. Final Flow	0.0	0.0	0.0	0.0	0.0
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0
G. Final Hydro	2569.0	2579.0	2513.0	0.0	0.0
Inside/Outside	O	O	I		

T STARTED 1004 hr
T ON BOTM 1155 hr
T OPEN 1200 hr
T PULLED 1315 hr
T OUT 1450 hr

TOOL DATA----------

Tool Wt.	2100.00 lbs
Wt Set On Packer	25000.00 lbs
Wt Pulled Loose	80000.00 lbs
Initial Str Wt	70000.00 lbs
Unseated Str Wt	70000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	295.00 ft
D.P. Length	4915.00 ft

RECOVERY
Tot Fluid 70.00 ft of 70.00 ft in DC and 0.00 ft in DP
70.00 ft of Very slight gas cut mud 99%mud 1%gas
0.00 ft of Trace of gas in pipe
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

MUD DATA----------

Mud Type	Chemical
Weight	8.80 lb/cf
Vis.	47.00 S/L
W.L.	8.80 in3
F.C.	0.32 in
Mud Drop	N

BLOW DESCRIPTION
IF:Weak surface blow.

ISI:No blow back.

FF:Pull tool.

SAMPLES:
SENT TO:

Amt. of fill	0.00 ft
Btm. H. Temp.	118.00 F
Hole Condition	Fair
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 n
Cushion Type	none
Reversed Out	N
Tool Chased	N
Tester	Darren L.Amerine
Co. Rep.	Arden Ratzlaff
Contr.	Duke
Rig #	7
Unit #	no
Pump T.	none

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Reynolds-#1

LOCATION : Sec.28

TICKET No. 11430 D.S.T. No. 4 DATE 05/21/199

TOTAL TOOL TO BOTTOM OF TOP PACKERS 22

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR 36

TOTAL TOOL 58

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.Stands 5 Single Total 295

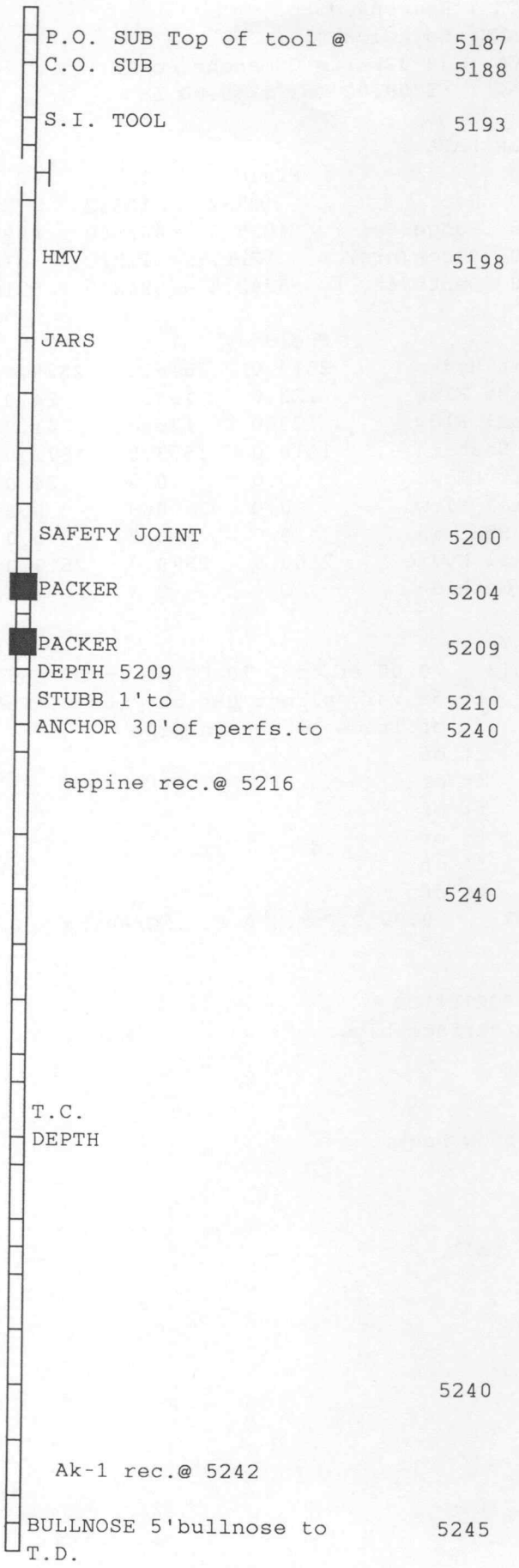
D.P. ABOVE TOOLS.Stands80 Single Total 4915

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5268

TOTAL DEPTH 5245

TOTAL DRILL PIPE ABOVE K.B. 23

REMARKS:



TEST HISTORY

TK#11430 dst#4 Renolds #1 Hummon oil.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2528.66
B:	0.00	24.00
C:	27.75	40.50
D:	46.00	1571.88
Q:	0.00	2512.64

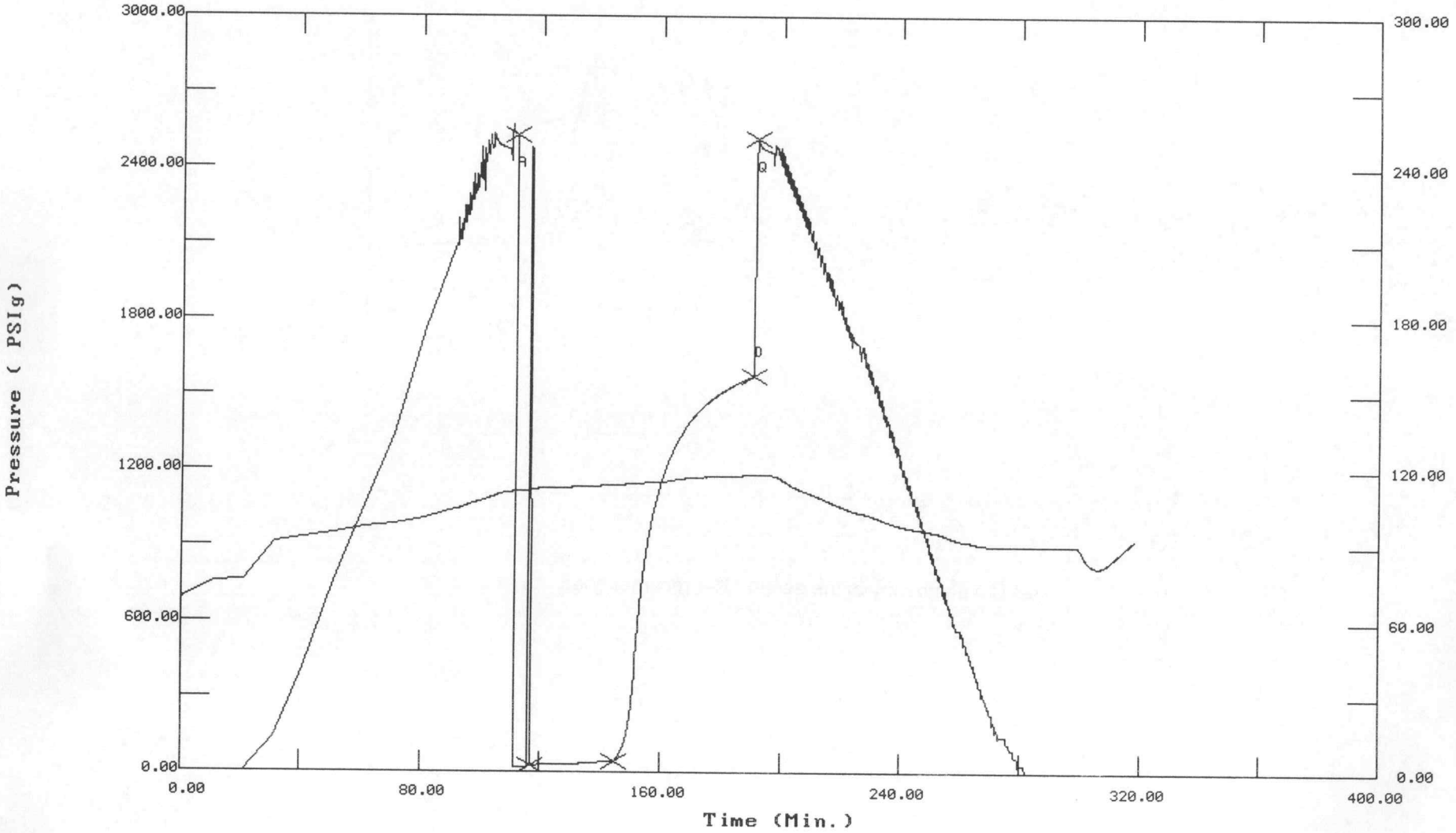
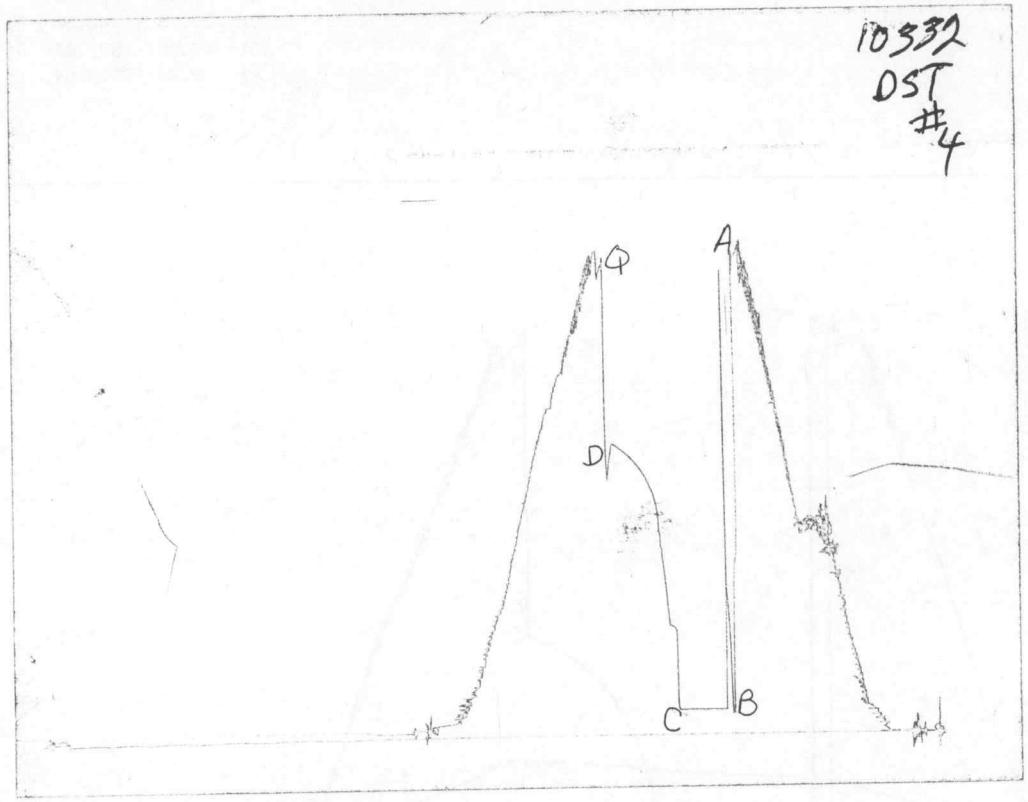


CHART PAGE



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

TRILOBITE TESTING L.L.C.

OPERATOR : Hummon Corp. DATE 5-23-99
WELL NAME: Reynolds #1 KB 2093.00 ft TICKET NO: 11431 DST #5
LOCATION : 28-32s-18w Comanche co KS GR 2080.00 ft FORMATION: Viola
INTERVAL : 5686.00 To 5696.00 ft TD 5696.00 ft TEST TYPE: CONV

RECORDER DATA

Mins		Field	1	2	3	4
PF 7	Rec.	10332	10332	2357		
SI 60	Range(Psi)	4025.0	4025.0	4995.0	0.0	0.0
SF 0	Clock(hrs)	12	12	12		
FS 0	Depth(ft)	5693.0	5693.0	5692.0	0.0	0.0

TIME DATA----------
PF Fr. 1004 to 1011 hr
IS Fr. 1011 to 1111 hr
SF Fr. to hr
FS Fr. to hr

	Field	1	2	3	4
A. Init Hydro	2731.0	2731.0	0.0	0.0	0.0
B. First Flow	2308.0	2308.0	0.0	0.0	0.0
B1. Final Flow	1804.0	1826.0	0.0	0.0	0.0
C. In Shut-in	1804.0	1826.0	4.0	0.0	0.0
D. Init Flow	0.0	0.0	0.0	0.0	0.0
E. Final Flow	0.0	0.0	0.0	0.0	0.0
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0
G. Final Hydro	2731.0	2731.0	0.0	0.0	0.0
Inside/Outside	O	O	I		

T STARTED 0711 hr
T ON BOTM 1000 hr
T OPEN 1004 hr
T PULLED 1111 hr
T OUT 1315 hr

RECOVERY
Tot Fluid 300.00 ft of 295.00 ft in DC and 5.00 ft in DP
5379.00 ft of Gas in pipe
300.00 ft of Slight gas cut mud 90% mud 10% gas
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

TOOL DATA----------

Tool Wt.	2100.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	85000.00 lbs
Initial Str Wt	75000.00 lbs
Unseated Str Wt	75000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	294.00 ft
D.P. Length	5384.00 ft

BLOW DESCRIPTION

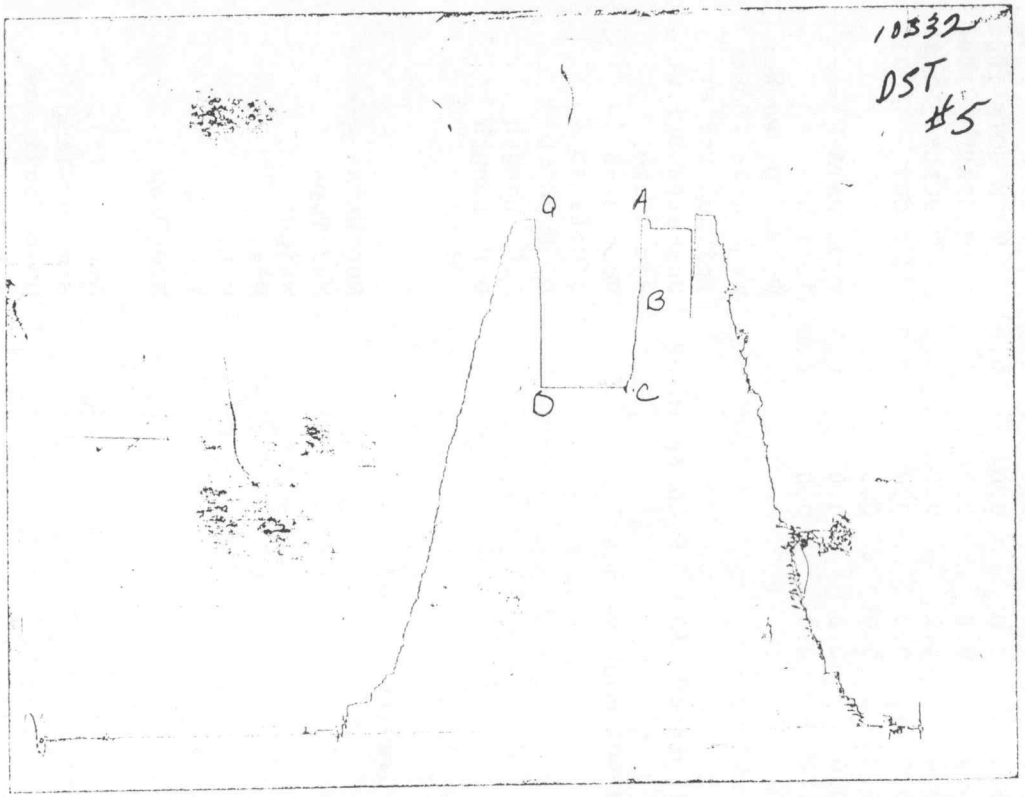
MUD DATA----------

Mud Type	Chemical
Weight	9.10 lb/cf
Vis.	52.00 S/L
W.L.	8.80 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	0.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Darren Amerine
Co. Rep.	Arden Ratzlaff
Contr.	Duke
Rig #	7
Unit #	
Pump T.	

SAMPLES:
SENT TO:

Test Successful: Y

CHART PAGE



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