Computer Inventoried

ACO-1 COPY

ORIGINAL

Well Name: Schnellbaker 3-523
Company: Harris Oil & Gas
Location: 23-30s-~~3~~w 34W
Haskell County Kansas
Date: 4-8-99

CONFIDENTIAL

KCC
JUN 03 1999
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ORIGINAL

TRILOBITE TESTING L.L.C.

OPERATOR : Harris Oil & Gas
WELL NAME: Schnellbaker 3 523
LOCATION : 23-30-3
INTERVAL : 5196.00 To 5280.00 ft

DATE 4-4-99
KB 3064.00 ft
GR 3054.00 ft
TD 5180.00 ft

TICKET NO: 11380 DST #1
FORMATION: morrow
TEST TYPE: CONV.

RECORDER DATA

Mins			Field	1	2	3	4
PF	19	Rec.	11058	11058	2346		
SI	0	Range(Psi)	4500.0	4500.0	4995.0	0.0	0.0
SF	0	Clock(hrs)	12	12	alpin		
FS	0	Depth(ft)	5275.0	5275.0	5212.0	0.0	0.0

TIME DATA----------
PF Fr. 1135 to 1155 hr
IS Fr. to hr
SF Fr. to hr
FS Fr. to hr

	Field	1	2	3	4
A. Init Hydro	2683.0	0.0	2529.0	0.0	0.0
B. First Flow	515.0	0.0	323.0	0.0	0.0
B1. Final Flow	515.0	0.0	325.0	0.0	0.0
C. In Shut-in	0.0	0.0	0.0	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	2660.0	0.0	2493.0	0.0	0.0
Inside/Outside	i	i	o		

T STARTED 0825 hr
T ON BOTM 1131 hr
T OPEN 1135 hr
T PULLED 1155 hr
T OUT 1535 hr

RECOVERY
Tot Fluid 440.00 ft of 440.00 ft in DC and 0.00 ft in DP
65.00 ft of slitly gassy drilg mud 10%gas 90%mud
375.00 ft of gassy drilg mud 25%gas 75%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
SALINITY 1800.00 P.P.M. A.P.I. Gravity 0.00

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

Tool Wt.	5000.00 lbs
Wt Set On Packer	26000.00 lbs
Wt Pulled Loose	92000.00 lbs
Initial Str Wt	72000.00 lbs
Unseated Str Wt	73000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.50 in
D.C. Length	547.00 ft
D.P. Length	4715.00 ft

BLOW DESCRIPTION
Initial Flow:
Bottom of bucket at open gas to surface in 3 1/2 mins.
Initial Shut-in:
Can't turn piped to shut-in tool reset, still wouldn't turn pull tool out of hole

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JUN 03 1999
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MUD DATA----------

Mud Type	Chemical
Weight	9.10 lb/cf
Vis.	50.00 S/L
W.L.	8.40 in3
F.C.	0.00 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	123.00 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	Shane McBride
Co. Rep.	Harold Fraule
Contr.	Murfin
Rig #	24
Unit #	
Pump T.	

SAMPLES: gas
SENT TO:Caraway,Liberal, Ks

Test Successful: N

GAS RECOVERY

COMPANY: Harris Oil & Gas DATE: 4-4-99
WELL NAME: Schnellbaker 3 523 KB Elev: 3064.00 ft TICKET #11380 DST #1
WELL LOCATION: 23-30-3 GR Elev: 3054.00 ft FORMATION: morrow
INTERVAL Fr.: 5196.00 To 5180.00 T.D.: 5180.00 ft TEST TYPE: CONV.

GAS RECOVERY MEASURED WITH merla

**** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	0.75	34	0	569.0
8	0.75	54	0	802.0
10	0.75	62	0	895.0
12	0.75	68	0	965.0
15	0.75	70	0	988.0

*** TOOL DIAGRAM *** CONV.

WELL NAME: Schnellbaker 3 523

LOCATION : 23-30-3

TICKET No. 11380 D.S.T. No. 1 DATE 4-4-99

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR 22

TOTAL TOOL 49

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands 1 Single Total 62

TOTAL ASSEMBLY 111

D.C. ABOVE TOOLS.Stands9 Single Total 547

D.P. ABOVE TOOLS.Stands74 Single 1 Total 4653

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5311

TOTAL DEPTH 5280

TOTAL DRILL PIPE ABOVE K.B. 31

REMARKS:

P.O. SUB	
C.O. SUB 1'	5168
S.I. TOOL 5'	5174
HMV 5'	5179
JARS 5'	5184
SAFETY JOINT 2'	5186
PACKER top	5191
PACKER bottom	5196
DEPTH 5196	
STUBB 1'	5197
ANCHOR 14' perf	5211
1' c.o.	5212
alpine recorder	5212
62' drill pipe	5274
1' c.o.	5275
T.C.	
DEPTH	
ak-1 recorder	5275
BULLNOSE 5' bullplug	5280
T.D.	5280

TEST HISTORY

11380 DSt #1 Harris Oil & Gas.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2529.12
B:	0.00	323.58
C:	19.00	325.75
Q:	0.00	2493.05

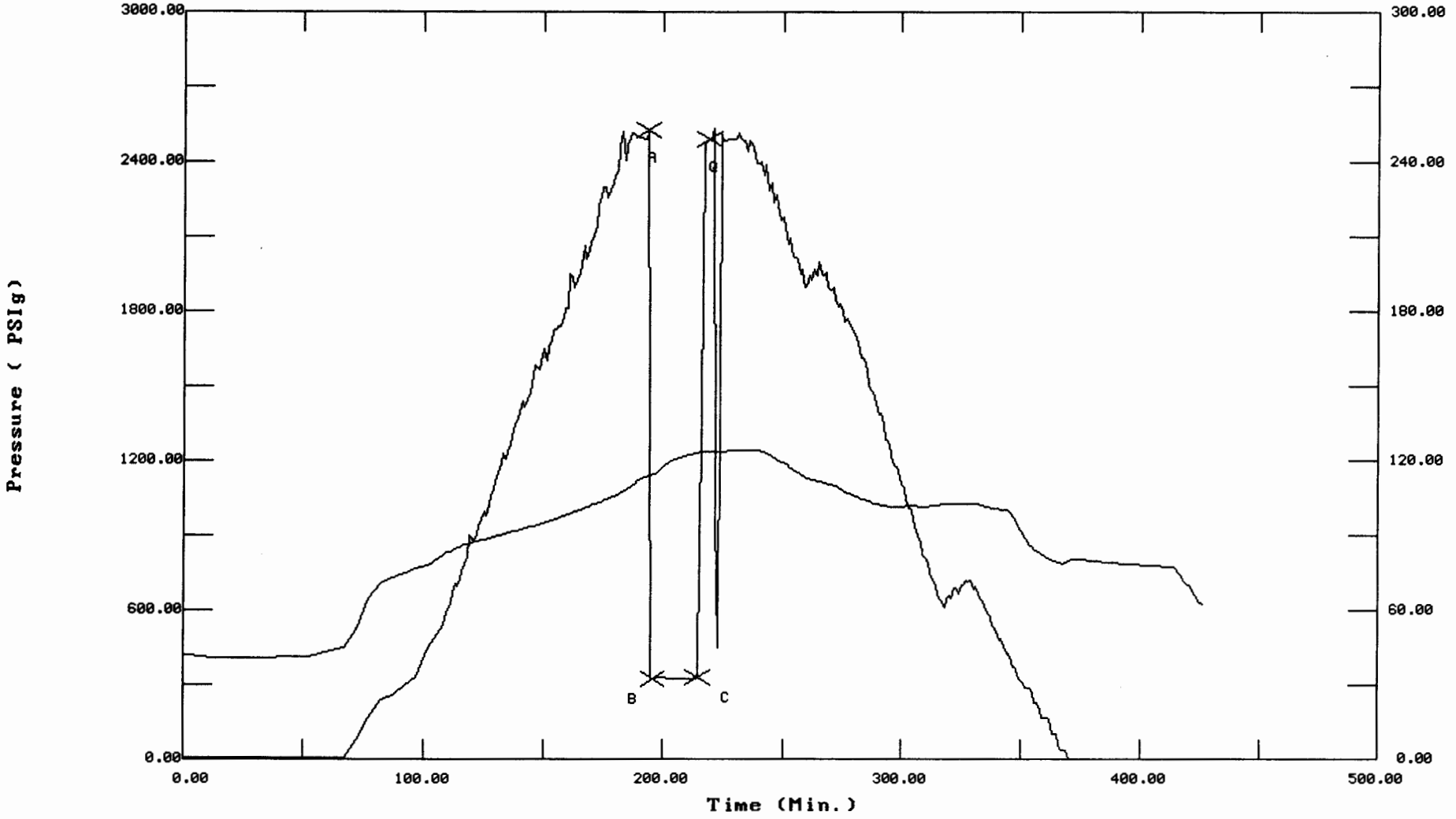
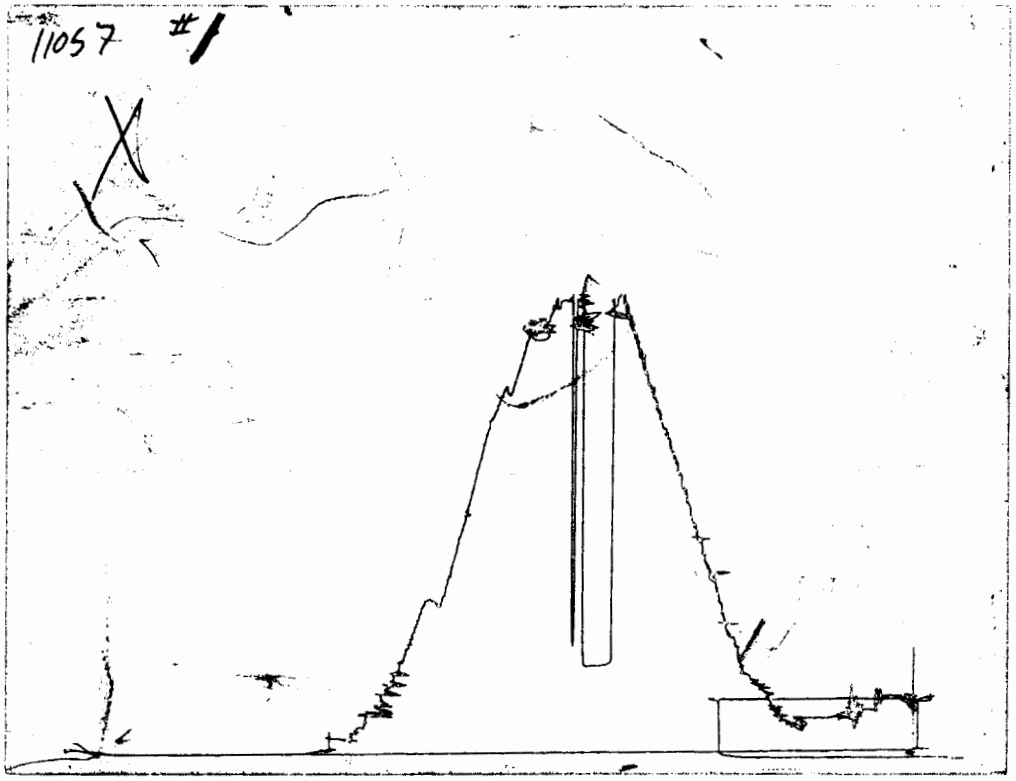


CHART PAGE



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

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 11380 DSt #1 Harris Oil & Gas.

DATE: 04/04/99 TIME: 08:27:59

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	194.00	2529.1	0.0	113.82		
***** Start Flow 1	0.00	323.6	0.0	114.27		
	1.00	324.3	0.7	114.79		
	2.00	326.8	3.2	115.55		
	3.00	325.1	1.5	116.42		
	4.00	325.2	1.6	117.27		
	5.00	325.2	1.6	118.07		
	6.00	323.6	0.0	118.76		
	7.00	322.4	-1.2	119.37		
	8.00	324.3	0.7	119.88		
	9.00	324.5	1	120.33		
	10.00	323.4	-0.2	120.72		
	11.00	323.0	-0.6	121.06		
	12.00	321.3	-2.2	121.37		
	13.00	321.9	-1.7	121.68		
	14.00	323.2	-0.4	121.98		
	15.00	320.9	-2.7	122.26		
	16.00	324.8	1.2	122.54		
	17.00	324.0	0.4	122.79		
	18.00	325.4	1.8	123.00		
***** End Flow 1	19.00	325.7	2.2	123.18		
***** Start Shutin 1	0.00	325.7	0.0	123.18	0.0000	0.106
	1.00	1372.3	1046.5	123.36	20.0000	1.883
	2.00	2470.7	2145.0	123.56	10.5000	6.104
	3.00	2481.9	2156.1	123.59	7.3333	6.160
***** End Shut-in 1	4.00	2493.1	2167.3	123.54	5.7500	6.215
***** Final Hydro.	219.00	2493.1	0.0	123.54		

TRILOBITE TESTING

P.O. Box 362 • Hays, Kansas 67601 • (913) 625-4778

GAS VOLUME REPORT

Harris Oil & Gas Co. (OPERATOR) | Schaeffbacker 3-523 (WELL NAME AND NO.) | 1 (DST NO.)

1st flow.

Min.	~~Ins. of Water~~ PSIG	Orifice Size	MCF/D	Min.	Ins. of Water PSIG	Orifice Size	MCF/D
5	34	3/4	569				
8	54	3/4	802				
10	62	3/4	895				
12	68	3/4	965				
15	70	3/4	988				

Remarks:

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 11380

Well Name & No. Schnellbacher #3-523 Test No. #1 Date 4-4-99

Company Harris Oil & Gas Co. Zone Tested Morrow

Address 1125 17½ St Suite 2290, Denver, Colo 80202 Elevation 3064 KB 3054 GL

Co. Rep / Geo. Harold Franke Cont. Murfin #24 Est. Ft. of Pay ____ Por. ____ %

Location: Sec. 23 Twp. 30 Rge. 3 Co. Haskell State KS

No. of Copies Norm Distribution Sheet (Y, N) N Turnkey (Y, N) N Evaluation (Y, N) ____

Interval Tested 5196' 5280'

Anchor Length 84'

Top Packer Depth 5191'

Bottom Packer Depth 5196'

Total Depth 5280'

Mud Wt. 9.1 LCM 2 Vis. 50 WL 8.4

Initial Str Wt./Lbs. 72,000 Unseated Str Wt./Lbs. 73,000

Wt. Set Lbs. 26,000 Wt. Pulled Loose/Lbs. 92,000

Tool Weight 5,000

Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓

Wt. Pipe Run — Drill Collar Run 547' 11-90

Drill Pipe Size 4½ XH Ft. Run ____

Blow Description B.O.B @ open - G.T.S in 3½ min.
Tool don't Turn Pipe to shut in tool - pull Tool reset, Still wouldn't Turn pull tool out of Hole.

Recovery — Total Feet 440' GIP GTS Ft. in DC — Ft. in DP 4440

Rec. 65'	Feet Of Sl. Hy gas cut mud	10 %gas	%oil	%water	90	%mud
Rec. 375'	Feet Of Grassy Drlg Mud	25 %gas	%oil	%water	75	%mud
Rec. ____	Feet Of ____	%gas	%oil	%water		%mud
Rec. ____	Feet Of ____	%gas	%oil	%water		%mud
Rec. ____	Feet Of ____	%gas	%oil	%water		%mud

BHT 123° °F Gravity — °API D@ — °F Corrected Gravity — °API

RW ____ @ ____ °F Chlorides ____ ppm Recovery Chlorides 1800 ppm System

(A) Initial Hydrostatic Mud	2683	2529	PSI	Recorder No.	2346	T-Started	08:25 a.m.
(B) First Initial Flow Pressure	515	323	PSI	(depth)	5212'	T-Open	11:35 a.m.
(C) First Final Flow Pressure	515	325	PSI	Recorder No.	11057	T-Pulled	11:55 a.m.
(D) Initial Shut-in Pressure	—	—	PSI	(depth)	5275'	T-Out	05:35 p.m.
(E) Second Initial Flow Pressure	—	—	PSI	Recorder No.			
(F) Second Final Flow Pressure	—	—	PSI	(depth)			
(G) Final Shut-in Pressure	—	—	PSI	Initial Opening	19	Test	X
(H) Final Hydrostatic Mud	2660	2493	PSI	Initial Shut-in	—	Jars	X
	MF-1	MF-NC		Final Flow	—	Safety Joint	X
				Final Shut-in	—	Straddle	
				(Thru sig tools)		Circ. Sub	X N/C
				#165.00 an hour		Sampler	
						Extra Packer	
						Elect. Rec.	X
						Other	
						TOTAL PRICE $	

Approved By ____

Our Representative Steve McBride

TRILOBITE TESTING L.L.C.

OPERATOR : Harris Oil & Gas Co. DATE 4-4-99
WELL NAME: Schnellbacker 3-523 KB 3064.00 ft TICKET NO: 11381 DST #2
LOCATION : 23-30s-3w Haskell co KS GR 3054.00 ft FORMATION: morrow
INTERVAL : 5196.00 To 5280.00 ft TD 5280.00 ft TEST TYPE: CONV.

RECORDER DATA

Mins			Field	1	2	3	4
PF	15	Rec.	11057	11057	2346		
SI	60	Range(Psi)	4500.0	4500.0	4995.0	0.0	0.0
SF	45	Clock(hrs)	12	12	alpin		
FS	90	Depth(ft)	5275.0	5275.0	5212.0	0.0	0.0

TIME DATA----------
PF Fr. 1835 to 1850 hr
IS Fr. 1850 to 1950 hr
SF Fr. 1950 to 2035 hr
FS Fr. 2035 to 2205 hr

	Field	1	2	3	4
A. Init Hydro	2524.0	2533.0	2544.0	0.0	0.0
B. First Flow	336.0	35.0	316.0	0.0	0.0
B1. Final Flow	336.0	329.0	322.0	0.0	0.0
C. In Shut-in	347.0	346.0	353.0	0.0	0.0
D. Init Flow	336.0	325.0	317.0	0.0	0.0
E. Final Flow	336.0	328.0	325.0	0.0	0.0
F. Fl Shut-in	347.0	346.0	351.0	0.0	0.0
G. Final Hydro	2502.0	2473.0	2464.0	0.0	0.0
Inside/Outside	i	i	o		

T STARTED 1550 hr
T ON BOTM 1831 hr
T OPEN 1835 hr
T PULLED 2205 hr
T OUT 0240 hr

RECOVERY
Tot Fluid 250.00 ft of 250.00 ft in DC and 0.00 ft in DP
70.00 ft of slitly gassy mud 8%gas 92%mud
180.00 ft of gassy mud 30% gas 70% 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
SALINITY 1800.00 P.P.M. A.P.I. Gravity 0.00

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

Tool Wt.	5000.00 lbs
Wt Set On Packer	26000.00 lbs
Wt Pulled Loose	95000.00 lbs
Initial Str Wt	72000.00 lbs
Unseated Str Wt	74000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.50 in
D.C. Length	547.00 ft
D.P. Length	4715.00 ft

BLOW DESCRIPTION
Initial Flow:
Bottom of bucket at open gas to surface in 3 1/2 mins.
Initial Shut-in:
Bleed off for 20 mins. weak return in 5 mins. dead in 12 mins.
Final Flow:
Gauging as at open
Final Shut-in:
Bleed off for 20 mins. weak return in 7 mins. died in 20 mins.

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

Mud Type	Chemical
Weight	9.10 lb/cf
Vis.	50.00 S/L
W.L.	8.10 in3
F.C.	0.00 in
Mud Drop	N
Amt. of fill	0.00 ft
Btm. H. Temp.	132.00 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	Shane McBride
Co. Rep.	Harold Fraule
Contr.	Murfin
Rig #	24
Unit #	
Pump T.	

SAMPLES: gas
SENT TO:Caraway , Liberal

Test Successful: Y

GAS RECOVERY

OMPANY: Harris Oil & Gas Co. DATE: 4-4-99
ELL NAME: Schnellbacker 3-523 KB Elev: 3064.00 ft TICKET #11381 DST #2
ELL LOCATION: 23-30s-3w Haskell co KS GR Elev: 3054.00 ft FORMATION: morrow
NTERVAL Fr.: 5196.00 To 5280.00 T.D.: 5280.00 ft TEST TYPE: CONV.

AS RECOVERY MEASURED WITH merla

**** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	0.75	34	0	569.0
10	0.75	56	0	825.0
15	0.75	66	0	941.0

**** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	0.75	55	0	814.0
10	0.75	80	0	1104.0
15	0.75	85	0	1162.0
20	0.75	87	0	1185.0
25	0.75	87	0	1185.0
30	0.75	87	0	1185.0
35	0.75	88	0	1197.0
40	0.75	88	0	1197.0
45	0.75	88	0	1197.0

*** TOOL DIAGRAM *** CONV.

WELL NAME: Schnellbacker 3-523

LOCATION : 23-30s-3w Haskell co KS

TICKET No. 11381 D.S.T. No. 2 DATE 4-4-99

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR 22

TOTAL TOOL 49

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands 1 Single Total 62

TOTAL ASSEMBLY 111

D.C. ABOVE TOOLS.Stands9 Single Total 547

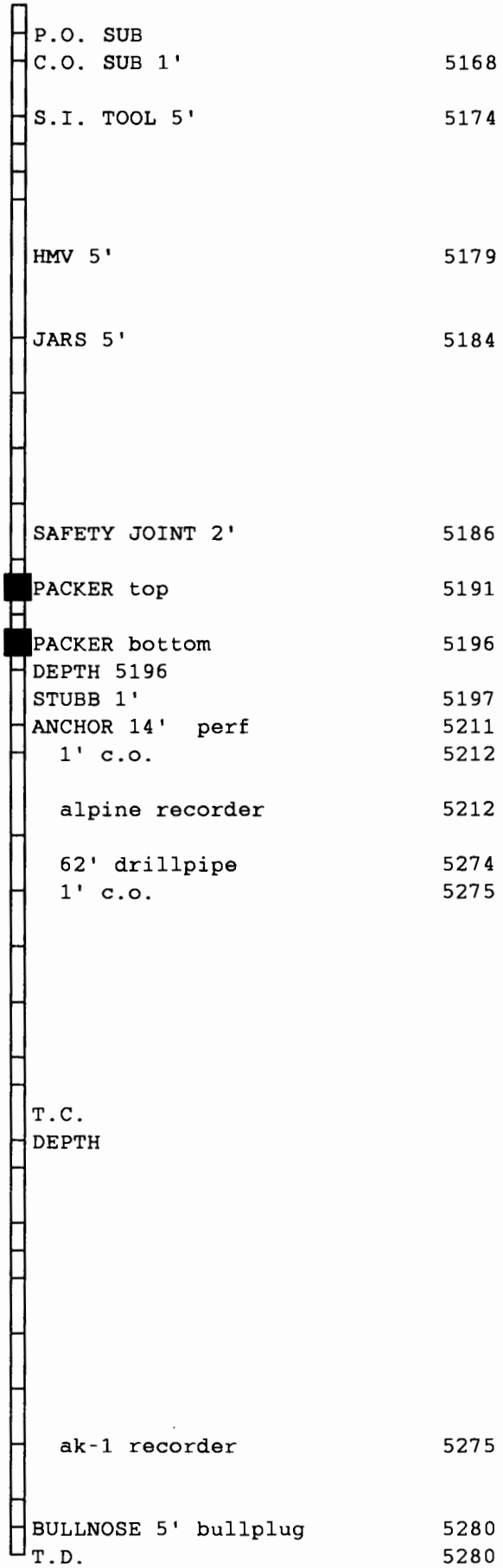
D.P. ABOVE TOOLS.Stands74 Single 1 Total 4653

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5311

TOTAL DEPTH 5280

TOTAL DRILL PIPE ABOVE K.B. 31

REMARKS:



TEST HISTORY

11381 DST #2 Harris Oil & Gas Co.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2544.97
B:	0.00	316.07
C:	14.00	322.00
D:	59.00	353.83
E:	0.00	317.30
F:	43.00	325.49
G:	95.00	351.86
Q:	0.00	2464.00

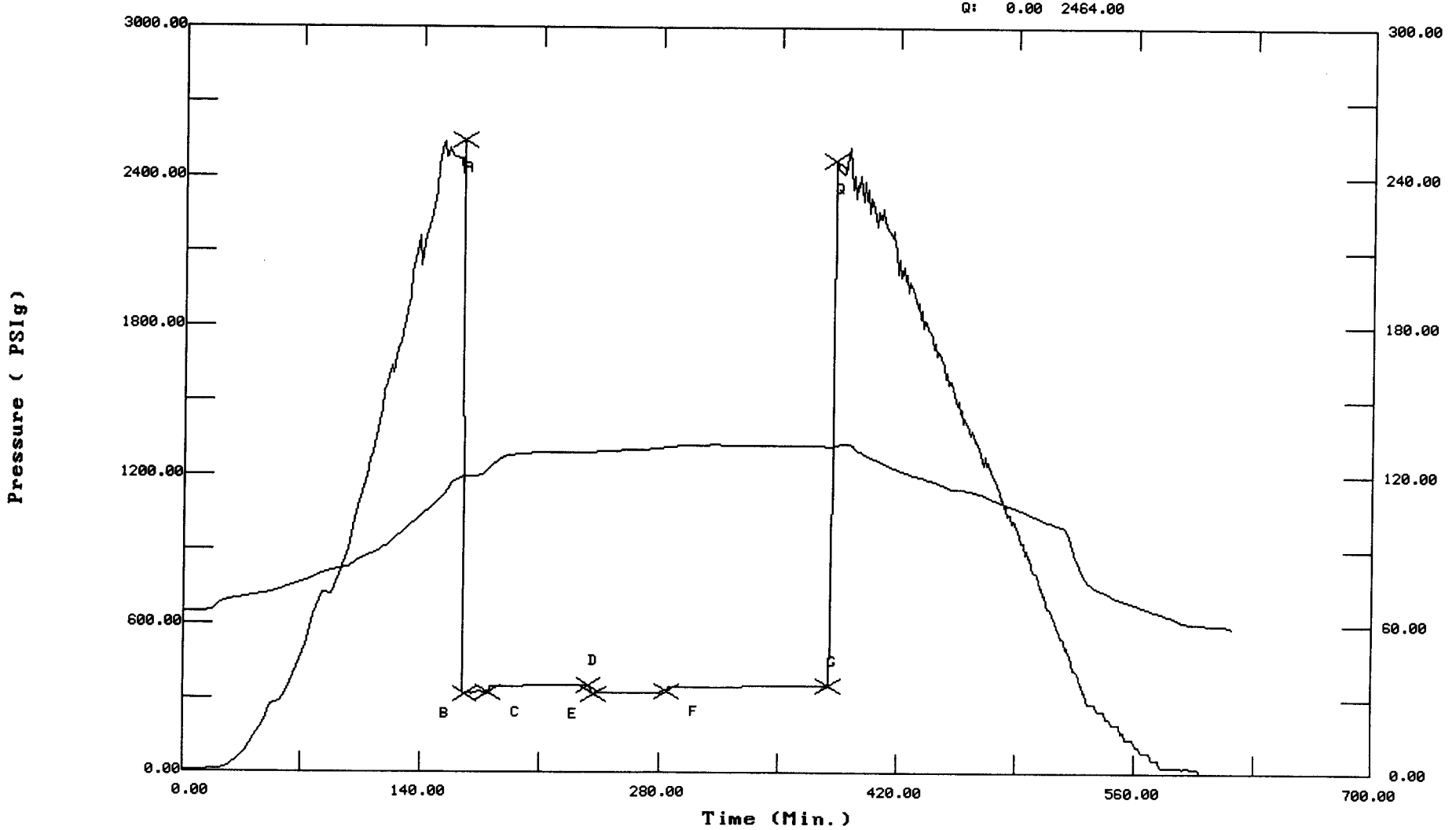
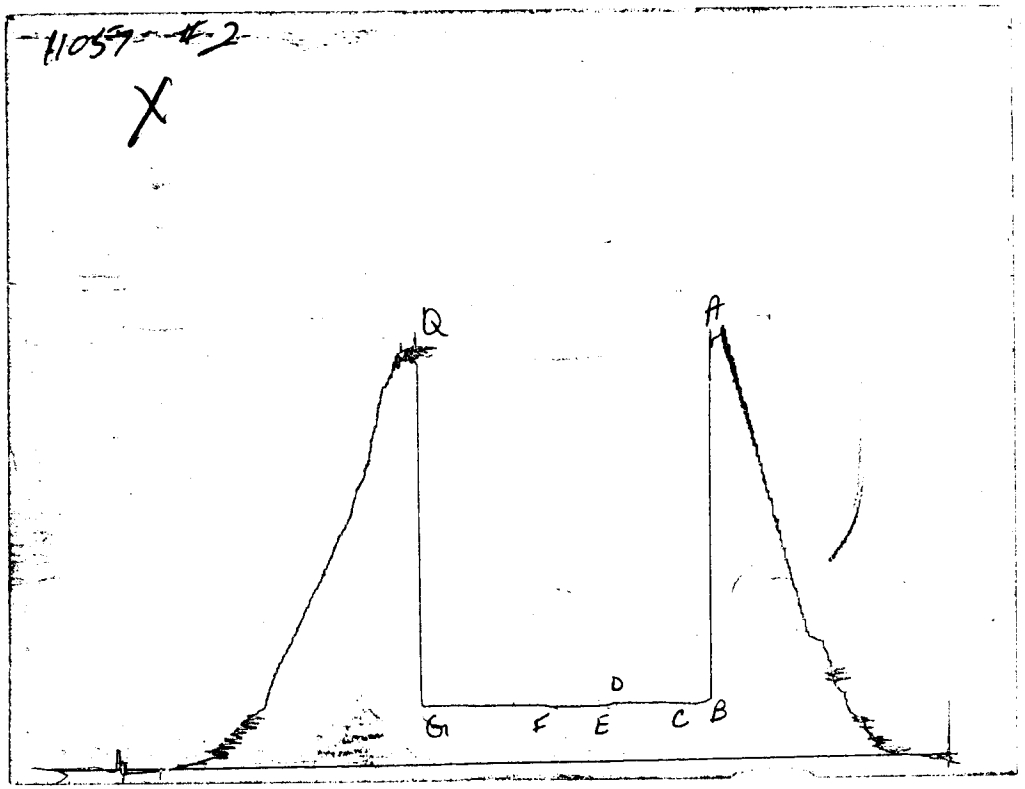


CHART PAGE



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

TRILOBITE TESTING

P.O. Box 362 • Hays, Kansas 67601 • (913) 625-4778

Gas to Surface 3½ min.

GAS VOLUME REPORT

Harris Oil & Gas Co — OPERATOR

Schnellbacker — WELL NAME AND NO.

2 — DST NO.

1st Flow

Min.	~~Ins. of Water~~ PSIG	Orifice Size	MCF/D
5	34	3/4	569
10	56	3/4	825
15	66	3/4	941

2ND

Min.	~~Ins. of Water~~ PSIG	Orifice Size	MCF/D
5	55	3/4	814
10	80	3/4	1104
15	85	3/4	1162
20	87	3/4	1185
25	87	3/4	1185
30	87	3/4	1185
35	88	3/4	1197
40	88	3/4	1197
45	88	3/4	1197

Remarks:

CR

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 11381

Well Name & No. Schnellbacher #3-523 Test No. 2 Date 4-4-99

Company Harris Oil & Gas Co. Zone Tested Morrow

Address 1125 17th St Suite 2290, Denver, Colo 80202 Elevation 3064 KB 3054 GL

Co. Rep / Geo. Harold Trauth Cont. Murfin #24 Est. Ft. of Pay ____ Por. ____ %

Location: Sec. 23 Twp. 30 Rge. 3 Co. Haskell State KS

No. of Copies Norm Distribution Sheet (Y, N) N Turnkey (Y, N) N Evaluation (Y, N) ____

Interval Tested 5196 5280 Initial Str Wt./Lbs. 72,000 Unseated Str Wt./Lbs. 74,000

Anchor Length 84 Wt. Set Lbs. 2,000 Wt. Pulled Loose/Lbs. 95,000

Top Packer Depth 5191 Tool Weight 5,000

Bottom Packer Depth 5196 Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓

Total Depth 5280 Wt. Pipe Run — Drill Collar Run 547' H-90

Mud Wt. 9.1 LCM #2 Vis. 50 WL 8.1 Drill Pipe Size 4½XH Ft. Run 4715'

Blow Description B.O.3 @ open. G.T.S. in 3½ min.
Bleed off for 20 min - weak return in 5 - died in 12 min.
Gauging Gas @ open
Bleed off for 20 min - weak return in 7 min. died in 22 min.

Recovery — Total Feet 250' GIP G.T.S. Ft. in DC 250' Ft. in DP —

Rec. 70'	Feet Of Sl. Hy gassy Mud	8 %gas	%oil	%water	92 %mud
Rec. 180'	Feet Of gassy mud	30 %gas	%oil	%water	70 %mud
Rec.	Feet Of	%gas	%oil	%water	%mud
Rec.	Feet Of	%gas	%oil	%water	%mud
Rec.	Feet Of	%gas	%oil	%water	%mud

BHT 132° °F Gravity — °API D@ — °F Corrected Gravity — °API

RW — @ — °F Chlorides — ppm Recovery Chlorides 1800 ppm System

(A) Initial Hydrostatic Mud	2524	2544	PSI	Recorder No.	2346	T-Started 15:50 p.m
(B) First Initial Flow Pressure	336	316	PSI	(depth)	5212	T-Open 18:35 p.m
(C) First Final Flow Pressure	336	322	PSI	Recorder No.	11057	T-Pulled 105 p.m.
(D) Initial Shut-in Pressure	347	353	PSI	(depth)	5275	T-Out 02:40 p.m.
(E) Second Initial Flow Pressure	336	317	PSI	Recorder No.		
(F) Second Final Flow Pressure	336	325	PSI	(depth)		
(G) Final Shut-in Pressure	347	351	PSI	Initial Opening	15	Test ✓
(H) Final Hydrostatic Mud	2502	2464	PSI	Initial Shut-in	60	Jars ✓
	AK-1	Allpar		Final Flow	45	Safety Joint ✓
				Final Shut-in	90	Straddle
						Circ. Sub ✓ N/C
						Sampler
						Extra Packer
						Elect. Rec. ✓
						Other
						TOTAL PRICE $

Approved By Harold Trauth

Our Representative Scott McCoy