WELL NAME:	Hartman # 1
COMPANY:	Castle Resources Inc.
LOCATION:	Sec. 5 Twp. 11S Rge. 28W Gove County Kansas
DATE:	02/27/97

TRILOBITE TESTING L.L.C.

OPERATOR : Castle Resources Inc.
WELL NAME: Hartman #1
LOCATION : 5-11s-28w
INTERVAL : 4072.00 To 4120.00 ft

DATE 2/3/97
KB 0.00 ft
GR 2800.00 ft
TD 4120.00 ft
TICKET NO: 8581 DST #1
FORMATION: "I & J"
TEST TYPE: CONV.

RECORDER DATA

Mins			Field	1	2	3	4
PF	30	Rec.	11038	11038	2351		
SI	30	Range(Psi)	5075.0	5075.0	4995.0	0.0	0.0
SF	15	Clock(hrs)	12 hr	12 hr	Elec.		
FS	0	Depth(ft)	4117.0	4117.0	4080.0	0.0	0.0

TIME DATA----------
PF Fr. 0400 to 0430 hr
IS Fr. 0430 to 0500 hr
SF Fr. 0500 to 0515 hr
FS Fr. to hr

	Field	1	2	3	4
A. Init Hydro	2004.0	2027.0	1990.0	0.0	0.0
B. First Flow	68.0	68.0	24.0	0.0	0.0
B1. Final Flow	68.0	72.0	25.0	0.0	0.0
C. In Shut-in	82.0	72.0	36.0	0.0	0.0
D. Init Flow	68.0	72.0	25.0	0.0	0.0
E. Final Flow	68.0	80.0	28.0	0.0	0.0
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0
G. Final Hydro	1978.0	2007.0	1987.0	0.0	0.0
Inside/Outside	O	O	I		

T STARTED 0200 hr
T ON BOTM 0358 hr
T OPEN 0400 hr
T PULLED 0515 hr
T OUT 0710 hr

RECOVERY
Tot Fluid 15.00 ft of 15.00 ft in DC and 0.00 ft in DP
15.00 ft of Drilling Mud
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

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

Tool Wt.	1800.00 lbs
Wt Set On Packer	25000.00 lbs
Wt Pulled Loose	55000.00 lbs
Initial Str Wt	50000.00 lbs
Unseated Str Wt	55000.00 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	30.00 ft
D.P. Length	4045.00 ft

BLOW DESCRIPTION
Initial Flow:
Surface blow, died in 25 mins

Initial Shut In:

Final Flow:
No blow, Flushed tool, No blow

Final Shut In:

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

Mud Type	Chemical
Weight	8.80 lb/c
Vis.	47.00 S/L
W.L.	9.80 in3
F.C.	0.00 in
Mud Drop Y	50.0 ft
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	TOM HORACEK
Co. Rep.	JERRY GREEN
Contr.	Discovery Drlg.
Rig #	2
Unit #	
Pump T.	

SAMPLES: No
SENT TO:

Test Successful: Y

*** TOOL DIAGRAM *** CONV.

WELL NAME: Hartman #1

LOCATION : 5-11s-28w

TICKET No. 8581 D.S.T. No. 1 DATE 2/3/97

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 20 ft.

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR ..... 17 ft.

TOTAL TOOL ..... 37 ft.

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

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

TOTAL ASSEMBLY ..... 68 ft.

D.C. ABOVE TOOLS.Stands Single 1 Total 30 ft.

D.P. ABOVE TOOLS.Stands57 Single Total 4045 ft.

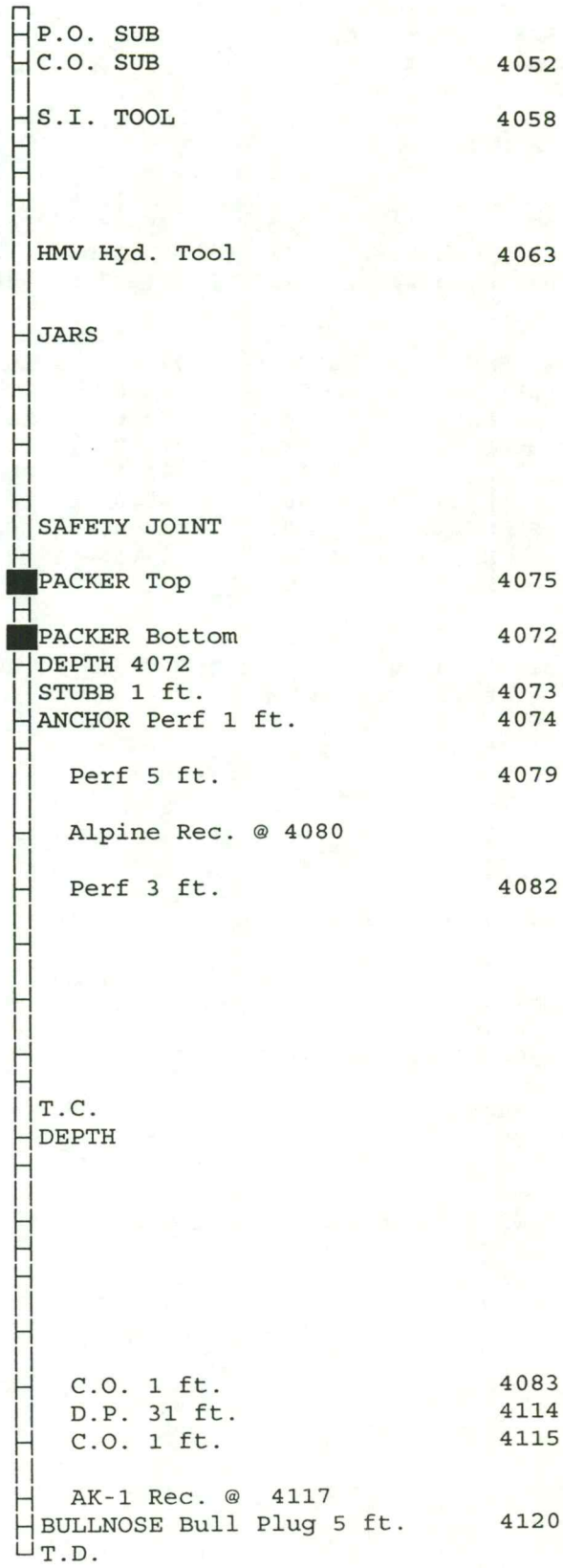
TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4143 ft.

TOTAL DEPTH ..... 4120 ft.

TOTAL DRILL PIPE ABOVE K.B. ..... 23 ft.

REMARKS:

SAMPLER



ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8581 DST #1 Hartman #1 Castle Res. Inc.

DATE: 02/02/97 TIME: 23:28:01

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
****** Initial Hydro.	136.00	1990.1	0.0	104.48		
****** Start Flow 1	0.00	24.2	0.0	104.69		
	1.00	24.4	0.2	104.77		
	2.00	24.5	0.3	104.83		
	3.00	24.7	0.4	104.88		
	4.00	24.8	0.5	104.93		
	5.00	24.8	0.5	104.98		
	6.00	24.8	0.5	105.02		
	7.00	24.8	0.6	105.05		
	8.00	24.8	0.6	105.10		
	9.00	24.9	0.7	105.14		
	10.00	24.9	0.7	105.19		
	11.00	25.0	0.8	105.23		
	12.00	25.0	0.8	105.28		
	13.00	24.9	0.7	105.32		
	14.00	24.9	0.7	105.37		
	15.00	25.1	0.8	105.42		
	16.00	25.1	0.8	105.46		
	17.00	25.1	0.8	105.51		
	18.00	25.2	0.9	105.56		
	19.00	25.2	0.9	105.61		
	20.00	25.2	0.9	105.66		
	21.00	25.3	1.0	105.71		
	22.00	25.3	1.0	105.75		
	23.00	25.3	1.0	105.80		
	24.00	25.3	1.1	105.85		
	25.00	25.3	1.1	105.90		
	26.00	25.3	1.1	105.95		
	27.00	25.3	1.1	105.99		
	28.00	25.3	1.1	106.04		
	29.00	25.3	1.1	106.09		
****** End Flow 1	30.00	25.4	1.2	106.14		
****** Start Shutin 1	0.00	25.4	0.0	106.14	0.0000	0.001
	1.00	24.6	-0.8	106.19	31.0000	0.001
	2.00	25.2	-0.3	106.24	16.0000	0.001
	3.00	25.6	0.2	106.28	11.0000	0.001
	4.00	25.9	0.5	106.34	8.5000	0.001
	5.00	26.4	1.0	106.39	7.0000	0.001
	6.00	26.8	1.4	106.43	6.0000	0.001
	7.00	27.2	1.8	106.48	5.2857	0.001
	8.00	27.6	2.2	106.52	4.7500	0.001
	9.00	28.0	2.6	106.57	4.3333	0.001
	10.00	28.4	3.0	106.63	4.0000	0.001
	11.00	28.9	3.4	106.68	3.7273	0.001
	12.00	29.2	3.8	106.72	3.5000	0.001
	13.00	29.5	4.1	106.77	3.3077	0.001
	14.00	30.0	4.6	106.82	3.1429	0.001
	15.00	30.4	5.0	106.87	3.0000	0.001
	16.00	30.6	5.2	106.91	2.8750	0.001
	17.00	31.1	5.7	106.96	2.7647	0.001
	18.00	31.6	6.2	107.02	2.6667	0.001

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8581 DST #1 Hartman #1 Castle Res. Inc.

DATE: 02/02/97 TIME: 23:28:01

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	19.00	32.1	6.6	107.06	2.5789	0.001
	20.00	32.4	7.0	107.11	2.5000	0.001
	21.00	32.9	7.5	107.16	2.4286	0.001
	22.00	33.2	7.8	107.20	2.3636	0.001
	23.00	33.7	8.3	107.25	2.3043	0.001
	24.00	34.1	8.6	107.30	2.2500	0.001
	25.00	34.5	9.1	107.35	2.2000	0.001
	26.00	34.8	9.4	107.39	2.1538	0.001
	27.00	35.3	9.9	107.44	2.1111	0.001
	28.00	35.7	10.3	107.48	2.0714	0.001
	29.00	36.0	10.6	107.53	2.0345	0.001
****** End Shut-in 1	30.00	36.5	11.1	107.58	2.0000	0.001
****** Start Flow 2	0.00	25.4	0.0	107.62		
	1.00	25.6	0.2	107.67		
	2.00	25.7	0.3	107.71		
	3.00	25.8	0.3	107.76		
	4.00	25.8	0.3	107.81		
	5.00	25.7	0.3	107.85		
	6.00	25.7	0.3	107.89		
	7.00	25.0	-0.4	107.94		
	8.00	1994.9	1969.5	108.06		
	9.00	28.4	2.9	108.07		
	10.00	28.4	3.0	108.09		
	11.00	28.6	3.2	108.11		
	12.00	28.7	3.3	108.13		
	13.00	28.7	3.3	108.17		
	14.00	28.7	3.3	108.20		
	15.00	28.8	3.4	108.26		
****** End Flow 2	16.00	28.1	2.7	108.30		
****** Start Shutin 2	0.00	28.1	0.0	108.30	0.0000	0.001
****** End Shut-in 2	1.00	1987.0	1958.9	108.44	47.0000	3.948
****** Final Hydro.	216.00	1987.0	0.0	108.44		

TEST HISTORY

8581 DST #1 Hartman #1 Castle Res. Inc.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	1990.09
B:	0.00	24.25
C:	30.00	25.42
D:	30.00	36.50
E:	0.00	25.42
F:	16.00	28.11
Q:	0.00	1986.98

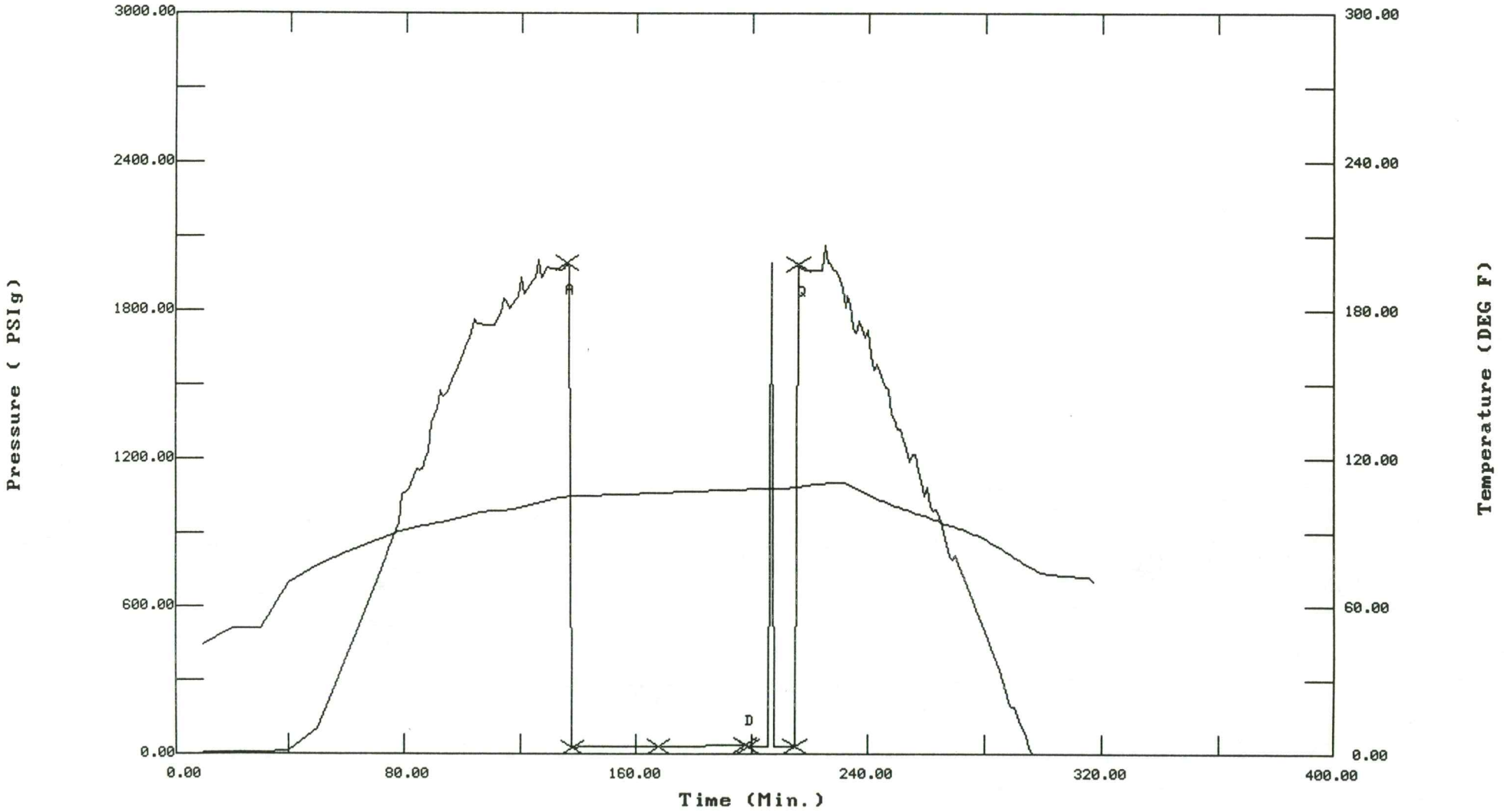
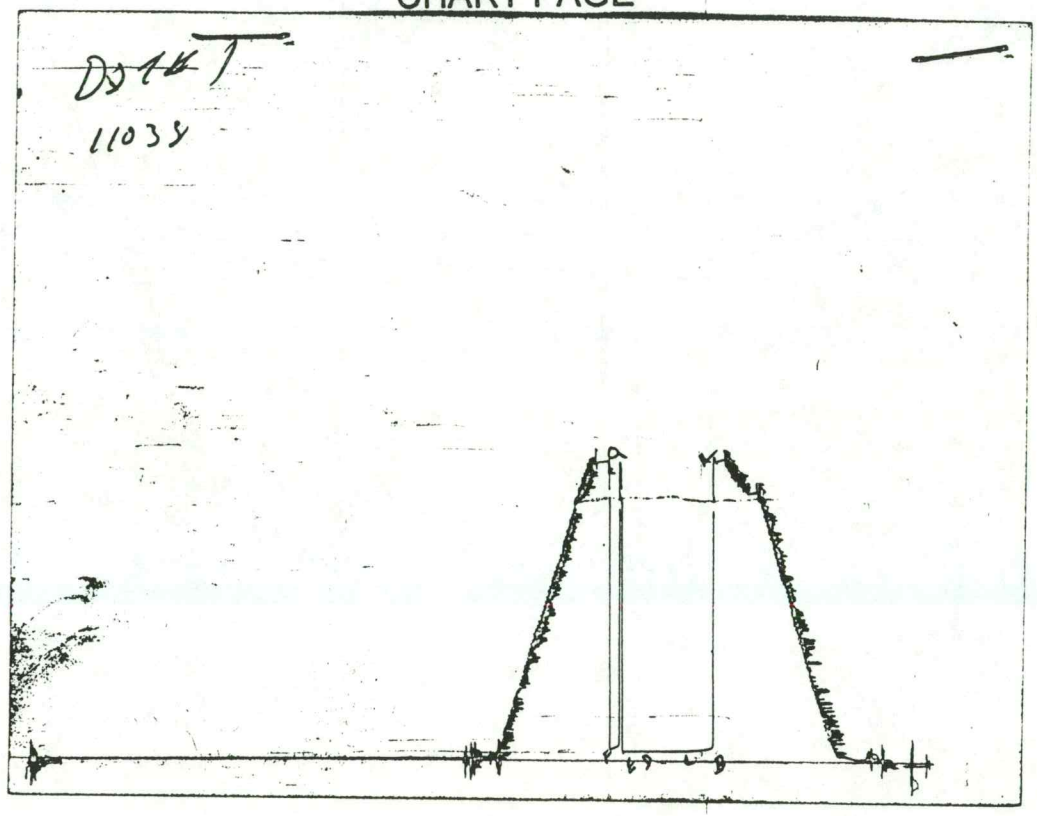


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 8581

Well Name & No. Hartman #1 Test No. #1 Date 2-3-97

Company Castle Res. Inc. Zone Tested I & J

Address 1200 E. 27th "C" Hays Ks. 67601 Elevation ____ KB 2800 GL

Co. Rep / Geo. Jerry Green Cont. Discovery Drlg. 2 Est. Ft. of Pay ____ Por. ____ %

Location: Sec. 5 Twp. 11 Rge. 28 Co. Gove State Ks.

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

Interval Tested 4072 - 4120 Initial Str Wt./Lbs. 50,000 Unseated Str Wt./Lbs. 50,000

Anchor Length 48' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 55,000

Top Packer Depth 4067 Hole Size — 7 7/8" ____ Rubber Size — 6 3/4" ____

Bottom Packer Depth 4072 Wt. Pipe I.D. — 2.7 Ft. Run —

Total Depth 4120 Drill Collar — 2.25 Ft. Run 30'

Mud Wt. 8.8 LCM 2# Vis. 47 WL 9.8 Drill Pipe Size 4.5 x-Hole Ft. Run 4045'

Blow Description 1st - Surface blow - Died in 25 min.

2nd. No blow - Flushed tool - No blow

Recovery — Total Feet 15' Ft. in DC 15' Ft. in WP ____ Ft. in DP ____

Rec. ____	Feet Of ____	%gas	%oil	%water	%mud
Rec. 15'	Feet Of Drlg mud	%gas	%oil	%water	%mud
Rec. ____	Feet Of ____	%gas	%oil	%water	%mud
Rec. ____	Feet Of ____	%gas	%oil	%water	%mud
Rec. ____	Feet Of ____	%gas	%oil	%water	%mud

BHT 109 °F Gravity ____ °API D@ ____ °F Corrected Gravity ____ °API

RW ____ @ ____ °F Chlorides ____ ppm Recovery Chlorides 2000 ppm System

(A) Initial Hydrostatic Mud	1990	2004	PSI	Recorder No.	2351	T-Started 0200
(B) First Initial Flow Pressure	24	68	PSI	@ (depth)	4080	T-Open 0400
(C) First Final Flow Pressure	25	68	PSI	Recorder No.	11038	T-Pulled 0515
(D) Initial Shut-in Pressure	36	82	PSI	@ (depth)	4117	T-Out 0710
(E) Second Initial Flow Pressure	25	68	PSI	Recorder No.	____	
(F) Second Final Flow Pressure	28	68	PSI	@ (depth)	____	
(G) Final Shut-in Pressure	—	—	PSI	Initial Opening	30 min.	Test X 700
(H) Final Hydrostatic Mud	1961	1978	PSI	Initial Shut-in	30 min.	Jars ____
	Alpine 1909	AK-1		Final Flow	15 min.	Safety Joint ____
				Final Shut-in	out	Straddle ____
						Circ. Sub ____
						Sampler ____
						Extra Packer ____
						Elect. Rec. X 150
						Other ____
						TOTAL PRICE $ 850

Approved By ____

Our Representative Tom Hurrick

TRILOBITE TESTING L.L.C.

OPERATOR : Castle Resources Inc. DATE 2/3/97
WELL NAME: Hartman #1 KB 0.00 ft TICKET NO: 8582 DST #2
LOCATION : 5-11s-28w GR 2800.00 ft FORMATION: "K & L"
INTERVAL : 4122.00 To 4188.00 ft TD 4188.00 ft TEST TYPE: CONV.

RECORDER DATA

Mins		Field	1	2	3	4
PF 30	Rec.	11038	11038	2351		
SI 30	Range(Psi)	5075.0	5075.0	4995.0	0.0	0.0
SF 15	Clock(hrs)	12 hr	12 hr	Elec.		
FS 0	Depth(ft)	4185.0	4185.0	4131.0	0.0	0.0

TIME DATA----------
PF Fr. 1945 to 2015 hr
IS Fr. 2015 to 2045 hr
SF Fr. 2045 to 2100 hr
FS Fr. to hr

	Field	1	2	3	4
A. Init Hydro	2004.0	1997.0	2025.0	0.0	0.0
B. First Flow	27.0	44.0	28.0	0.0	0.0
B1. Final Flow	27.0	53.0	29.0	0.0	0.0
C. In Shut-in	41.0	53.0	37.0	0.0	0.0
D. Init Flow	27.0	53.0	29.0	0.0	0.0
E. Final Flow	27.0	53.0	32.0	0.0	0.0
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0
G. Final Hydro	1978.0	1965.0	1998.0	0.0	0.0
Inside/Outside	O	O	I		

T STARTED 1730 hr
T ON BOTM 1943 hr
T OPEN 1945 hr
T PULLED 2100 hr
T OUT 2300 hr

RECOVERY
Tot Fluid 15.00 ft of 15.00 ft in DC and 0.00 ft in DP
15.00 ft of Drilling Mud
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

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

Tool Wt.	1800.00 lbs
Wt Set On Packer	25000.00 lbs
Wt Pulled Loose	55000.00 lbs
Initial Str Wt	50000.00 lbs
Unseated Str Wt	50000.00 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	30.00 ft
D.P. Length	4106.00 ft

BLOW DESCRIPTION
Initial Flow:
Surface blow, died in 20 mins

Initial Shut In:

Final Flow:
No blow, flushed tool, no blow

Final Shut In:

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

Mud Type	Chemical
Weight	9.20 lb/c
Vis.	45.00 S/L
W.L.	8.00 in3
F.C.	0.00 in
Mud Drop Y	50.0 ft
Amt. of fill	0.00 ft
Btm. H. Temp.	107.00 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	TOM HORACEK
Co. Rep.	JERRY GREEN
Contr.	Discovery Drlg.
Rig #	2
Unit #	
Pump T.	

SAMPLES: No
SENT TO:

Test Successful: Y

*** TOOL DIAGRAM *** CONV.

WELL NAME: Hartman #1

LOCATION : 5-11s-28w

TICKET No. 8582 D.S.T. No. 2 DATE 2/3/97

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 20 ft.

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR ..... 34 ft.

TOTAL TOOL ..... 54 ft.

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

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

TOTAL ASSEMBLY ..... 86 ft.

D.C. ABOVE TOOLS.Stands Single 1 Total 30 ft.

D.P. ABOVE TOOLS.Stands67 Single 1 Total 4106 ft.

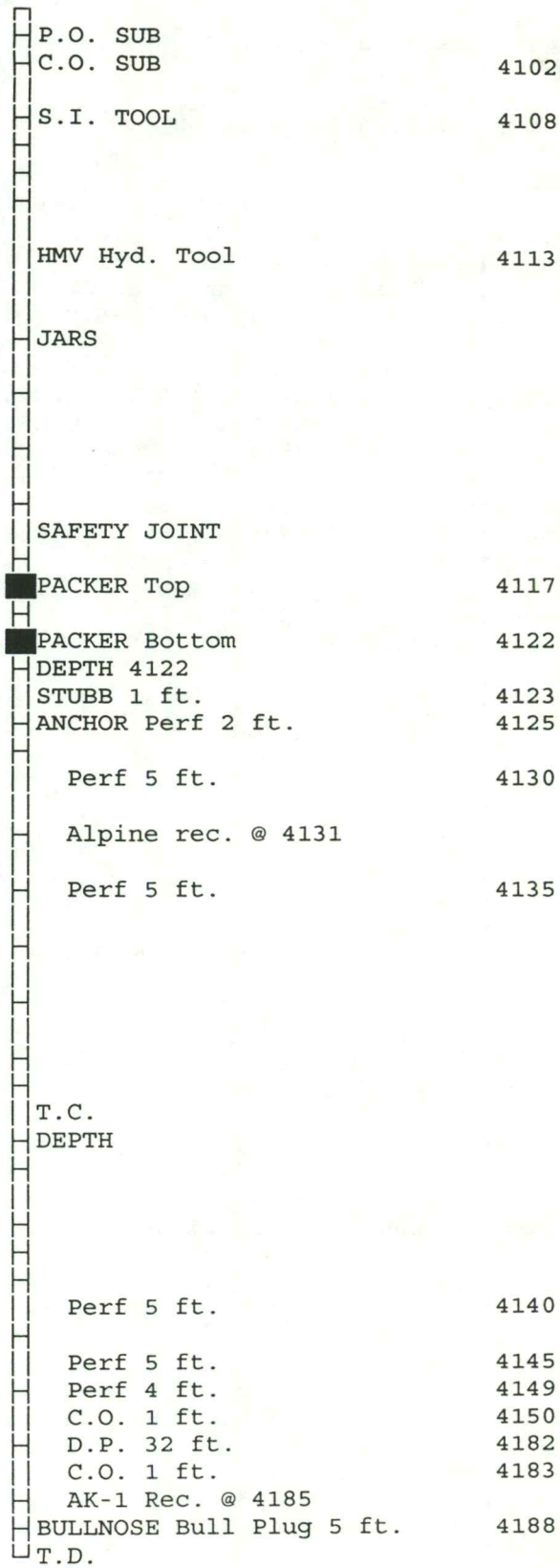
TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4222 ft.

TOTAL DEPTH ..... 4188 ft.

TOTAL DRILL PIPE ABOVE K.B. ..... 34 ft.

REMARKS:

SAMPLER



ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8582 DST #2 Hartman #1 Castle Res. Inc.

DATE: 02/03/97 TIME: 15:21:33

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
****** Initial Hydro.	130.00	2025.1	0.0	105.46		
****** Start Flow 1	0.00	28.9	0.0	105.46		
	1.00	29.0	0.1	105.42		
	2.00	29.1	0.2	105.37		
	3.00	29.2	0.3	105.33		
	4.00	29.3	0.3	105.29		
	5.00	29.2	0.3	105.27		
	6.00	29.4	0.4	105.24		
	7.00	29.4	0.4	105.23		
	8.00	29.4	0.4	105.24		
	9.00	29.3	0.3	105.24		
	10.00	29.4	0.5	105.25		
	11.00	29.4	0.5	105.26		
	12.00	29.4	0.5	105.28		
	13.00	29.4	0.5	105.29		
	14.00	29.4	0.5	105.32		
	15.00	29.4	0.5	105.34		
	16.00	29.4	0.5	105.37		
	17.00	29.5	0.6	105.40		
	18.00	29.5	0.6	105.42		
	19.00	29.5	0.6	105.46		
	20.00	29.6	0.7	105.49		
	21.00	29.6	0.7	105.52		
	22.00	29.6	0.7	105.56		
	23.00	29.5	0.6	105.60		
	24.00	29.5	0.6	105.63		
	25.00	29.7	0.8	105.67		
	26.00	29.7	0.8	105.71		
	27.00	29.7	0.8	105.75		
	28.00	29.7	0.8	105.78		
	29.00	29.9	0.9	105.81		
****** End Flow 1	30.00	29.8	0.8	105.85		
****** Start Shutin 1	0.00	29.8	0.0	105.85	0.0000	0.001
	1.00	28.9	-0.9	105.90	31.0000	0.001
	2.00	29.5	-0.3	105.94	16.0000	0.001
	3.00	30.0	0.3	105.98	11.0000	0.001
	4.00	30.6	0.8	106.01	8.5000	0.001
	5.00	31.1	1.3	106.05	7.0000	0.001
	6.00	31.8	2.0	106.09	6.0000	0.001
	7.00	32.4	2.6	106.13	5.2857	0.001
	8.00	33.0	3.2	106.17	4.7500	0.001
	9.00	33.6	3.9	106.21	4.3333	0.001
	10.00	34.2	4.4	106.25	4.0000	0.001
	11.00	34.8	5.0	106.29	3.7273	0.001
	12.00	35.5	5.7	106.33	3.5000	0.001
	13.00	36.2	6.4	106.37	3.3077	0.001
	14.00	36.9	7.1	106.41	3.1429	0.001
	15.00	37.5	7.7	106.44	3.0000	0.001
	16.00	38.1	8.3	106.48	2.8750	0.001
	17.00	38.9	9.1	106.53	2.7647	0.002
	18.00	39.6	9.8	106.57	2.6667	0.002

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8582 DST #2 Hartman #1 Castle Res. Inc.

DATE: 02/03/97 TIME: 15:21:33

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	19.00	40.3	10.5	106.61	2.5789	0.002
	20.00	40.9	11.2	106.64	2.5000	0.002
	21.00	41.6	11.8	106.68	2.4286	0.002
	22.00	41.1	11.3	106.72	2.3636	0.002
	23.00	40.4	10.7	106.76	2.3043	0.002
	24.00	39.9	10.2	106.81	2.2500	0.002
	25.00	39.3	9.5	106.83	2.2000	0.002
	26.00	38.8	9.0	106.87	2.1538	0.002
	27.00	38.3	8.6	106.91	2.1111	0.001
	28.00	37.9	8.1	106.95	2.0714	0.001
	29.00	37.7	7.9	106.99	2.0345	0.001
****** End Shut-in 1	30.00	37.3	7.6	107.03	2.0000	0.001
****** Start Flow 2	0.00	29.7	0.0	107.07		
	1.00	29.9	0.2	107.10		
	2.00	29.9	0.2	107.14		
	3.00	29.9	0.2	107.18		
	4.00	29.9	0.2	107.21		
	5.00	29.9	0.2	107.25		
	6.00	2018.7	1989.0	107.36		
	7.00	32.9	3.2	107.37		
	8.00	33.1	3.4	107.36		
	9.00	33.1	3.4	107.36		
	10.00	33.2	3.5	107.37		
	11.00	33.3	3.6	107.39		
	12.00	33.3	3.6	107.40		
	13.00	33.3	3.6	107.42		
	14.00	33.3	3.6	107.45		
	15.00	33.1	3.4	107.48		
****** End Flow 2	16.00	32.0	2.3	107.51		
****** Start Shutin 2	0.00	32.0	0.0	107.51	0.0000	0.001
	1.00	33.1	1.2	107.54	47.0000	0.001
	2.00	34.2	2.3	107.57	24.0000	0.001
	3.00	35.2	3.3	107.61	16.3333	0.001
****** End Shut-in 2	4.00	1998.2	1966.3	107.73	12.5000	3.993
****** Final Hydro.	213.00	1998.2	0.0	107.73		

TEST HISTORY

8582 DST #2 Hartman #1 Castle Res. Inc.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2025.09
B:	0.00	28.95
C:	30.00	29.79
D:	30.00	37.34
E:	0.00	29.70
F:	16.00	31.97
Q:	0.00	1998.23

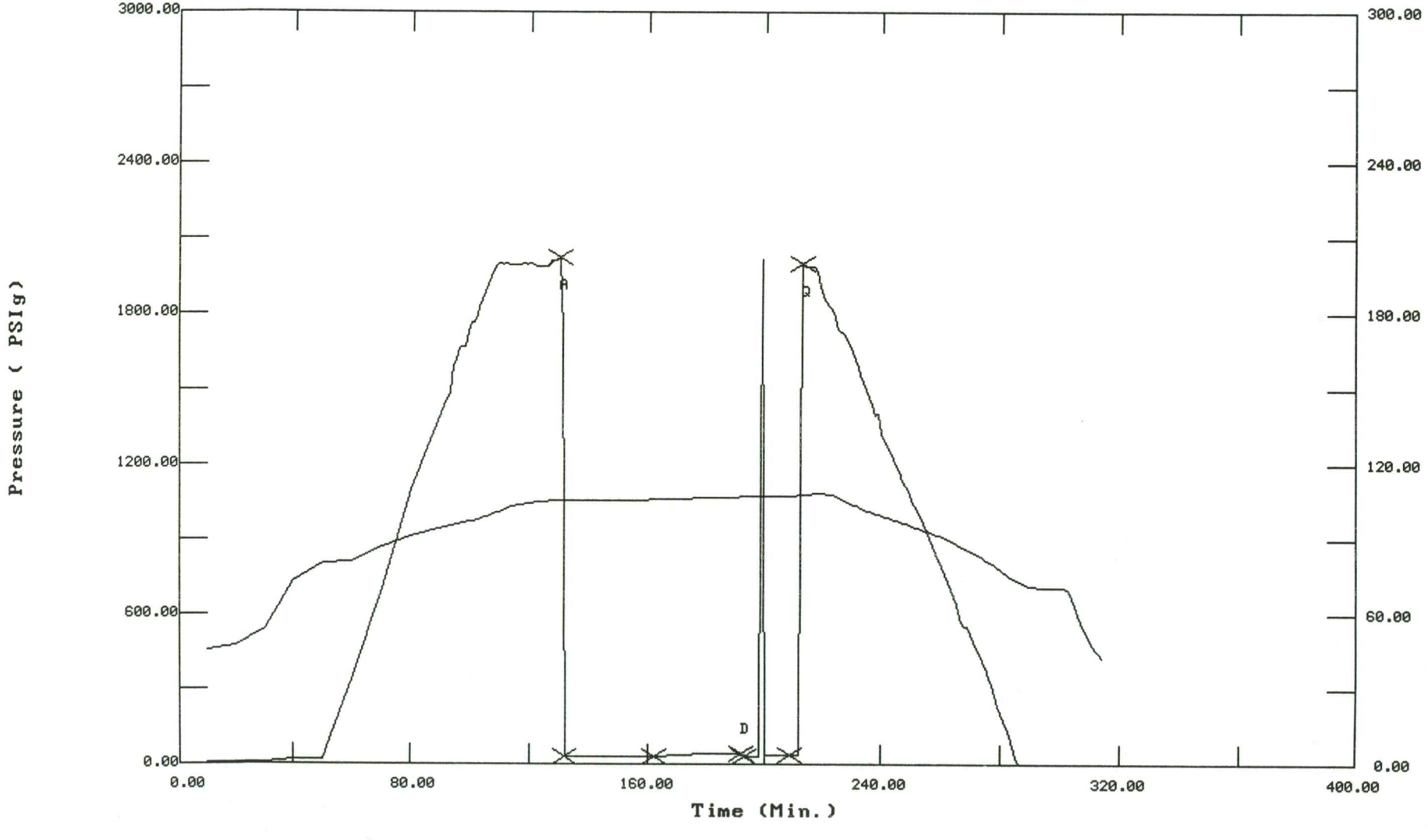
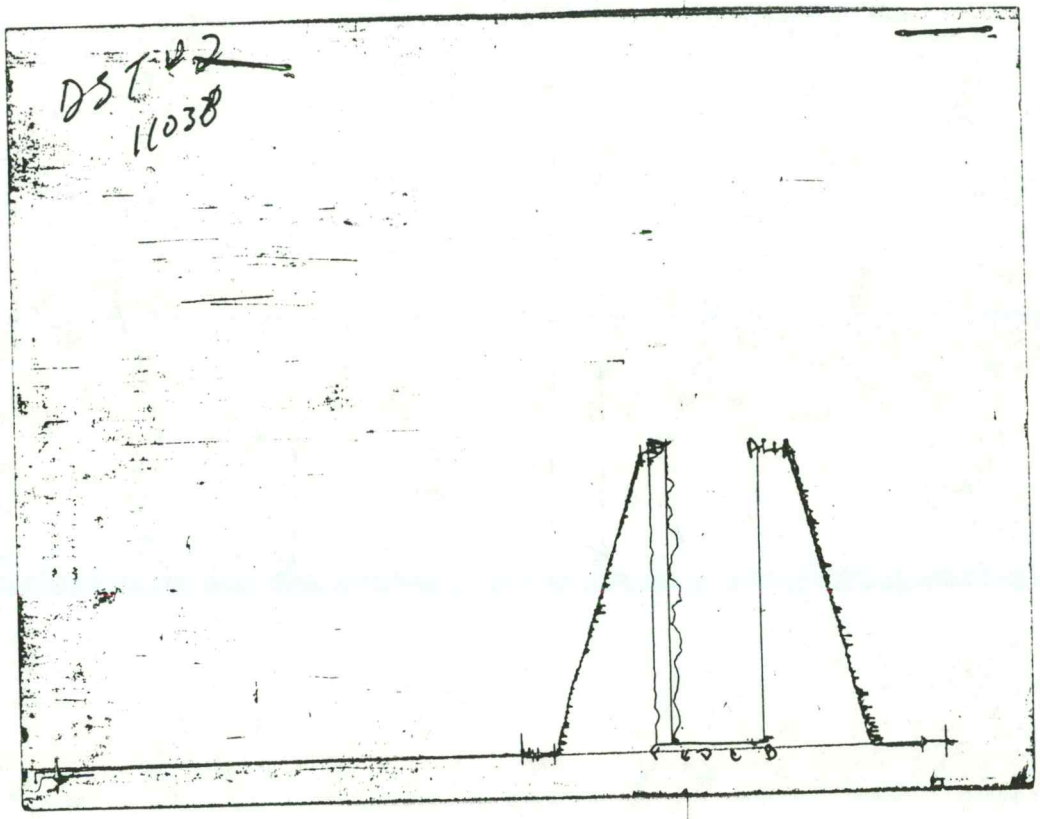


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No. 8582

Well Name & No. Hartman #1 Test No. #2 Date 2-3-97

Company Castle Res. Inc. Zone Tested KCL

Address 1200 E. 27th "C" Hays Ks. 67601 Elevation ____ KB 2800 GL

Co. Rep / Geo. Jerry Green Cont. Discovery Drlg #2 Est. Ft. of Pay ____ Por. ____ %

Location: Sec. 5 Twp. 11 s Rge. 28 w Co. Gove State Ks.

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

Interval Tested 4122 - 4188 Initial Str Wt./Lbs. 50,000 Unseated Str Wt./Lbs. 50,000

Anchor Length 66' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 55,000

Top Packer Depth 4117 Hole Size — 7 7/8" ____ Rubber Size — 6 3/4" ____

Bottom Packer Depth 4122 Wt. Pipe I.D. — 2.7 Ft. Run ~

Total Depth 4188 Drill Collar — 2.25 Ft. Run 30'

Mud Wt. 9.2 LCM 1/4 Vis. 45 WL 8.0 Drill Pipe Size 4.5X-H&L Ft. Run 4106

Blow Description 1st. Surface blow - Died in 20 min.

2nd. No blow - Flushed tool - No blow

Recovery — Total Feet 15' Ft. in DC 15' Ft. in WP ____ Ft. in DP ____

Rec. ____	Feet Of ____	%gas	%oil	%water	%mud
Rec. 15'	Feet Of Drlg mud	%gas	%oil	%water	%mud
Rec. ____	Feet Of ____	%gas	%oil	%water	%mud
Rec. ____	Feet Of ____	%gas	%oil	%water	%mud
Rec. ____	Feet Of ____	%gas	%oil	%water	%mud

BHT 107 °F Gravity ____ °API D@ ____ °F Corrected Gravity ____ °API

RW ____ @ ____ °F Chlorides ____ ppm Recovery Chlorides 2000 ppm System

(A) Initial Hydrostatic Mud	2025	2004	PSI	Recorder No.	2351	T-Started 1730
(B) First Initial Flow Pressure	28	27	PSI	@ (depth)	4131	T-Open 1945
(C) First Final Flow Pressure	29	27	PSI	Recorder No.	11038	T-Pulled 2100
(D) Initial Shut-in Pressure	37	41	PSI	@ (depth)	4185	T-Out 2300
(E) Second Initial Flow Pressure	29	27	PSI	Recorder No.	____	
(F) Second Final Flow Pressure	32	27	PSI	@ (depth)	____	
(G) Final Shut-in Pressure	____	____	PSI	Initial Opening	30 min.	Test X 700
(H) Final Hydrostatic Mud	1998	1978	PSI	Initial Shut-in	30 min.	Jars ____
				Final Flow	15 min.	Safety Joint ____
				Final Shut-in	Out	Straddle ____
						Circ. Sub ____
						Sampler ____
						Extra Packer ____
						Elect. Rec. X 150
						Other ____
						TOTAL PRICE $ 850

Approved By ____

Our Representative Tom Horacek