

15-119-20821

TRILOBITE TESTING COMPANY

15-34s-26w

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

ORIGINAL

Well Name & No.	ALLISON #1	Test No.	1	Date	1/4/91
Company	CHARTER PRODUCTION COMPANY	Zone Tested	MARMATON		
Address	220 E DOUGLAS WICHITA KANSAS 67202	Elevation	2274 KB		
Co. Rep./Geo.	MR DOUG DAVIS	Cont.	EAGLE #1	Est. Ft. of Pay	6
Location: Sec.	15	Twp.	34S	Rge.	26W
		Co.	MEADE	State	KANSAS

Interval Tested	5374-5404	Drill Pipe Size	4.5" XH
Anchor Length	30	Top Choke — 1"	Bottom Choke — 1/4"
Top Packer Depth	5369	Hole Size — 7 7/8"	Rubber Size — 6 3/4"
Bottom Packer Depth	5374	Wt. Pipe I.D. — 2.7 Ft. Run	0
Total Depth	5404	Drill Collar — 2.25 Ft. Run	242
Mud Wt.	9.0	lb/gal.	Viscosity
			57
Tool Open @	7:10 AM	Initial Blow	WEAK 1/2" BLOW INCREASING TO 3"
ISI: BLEED OFF BLOW-NO RETURN			

Final Blow FAIR TO STRONG BLOW BUILDING TO BOTTOM IN
13 MINUTES-STAYING ON BOTTOM THROUGHOUT

Recovery — Total Feet	50	Flush Tool?	NO
Rec.	270	Feet of	GAS IN PIPE
Rec.	50	Feet of	SLIGHTLY OIL & GAS CUT MUD-5%GAS/3%OIL/92%MUD
Rec.	0	Feet of	
Rec.	0	Feet of	
Rec.	0	Feet of	
BHT	108	°F Gravity	
		°API @	0
		°F Corrected Gravity	0
		°API	
RW	@	°F Chlorides	ppm Recovery
			8000
			ppm System
(A) Initial Hydrostatic Mud	2560.9	PSI	AK1 Recorder No. 13309
			Range 4700
(B) First Initial Flow Pressure	21.3	PSI	@ (depth) 5377
			w/Clock No. 27567
(C) First Final Flow Pressure	21.3	PSI	AK1 Recorder No. 13339
			Range 4025
(D) Initial Shut-In Pressure	297.4	PSI	@ (depth) 5399
			w/Clock No. 30418
(E) Second Initial Flow Pressure	21.3	PSI	AK1 Recorder No. 0
			Range 0
(F) Second Final Flow Pressure	21.3	PSI	@ (depth) 0
			w/Clock No. 0
(G) Final Shut-In Pressure	314.5	PSI	Initial Opening 30
(H) Final Hydrostatic Mud	2540.7	PSI	Initial Shut-In 60
			Final Flow 60
			Final Shut-In 60

KCC

APR 11 1991

MR ROD STEINBRINK

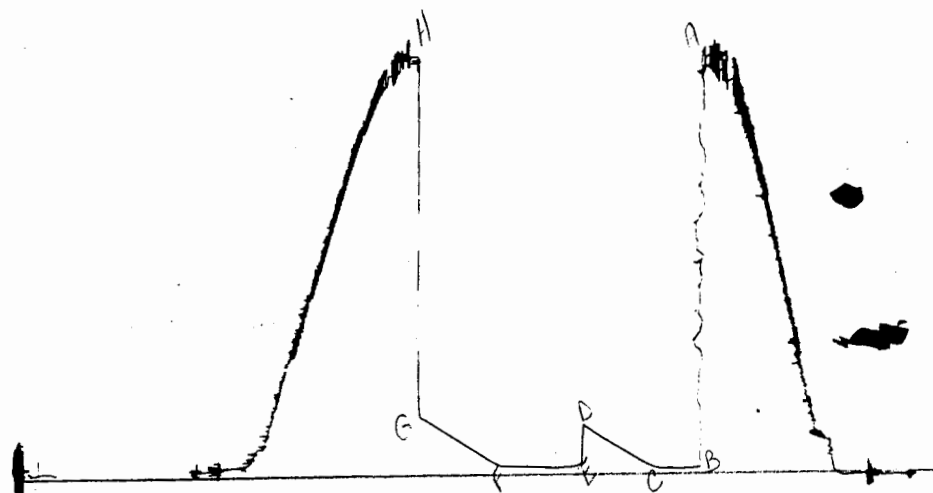
900

Our Representative _____

TOTAL PRICE \$ _____

DST# 1 RECORDER# 13339

DST #1
13339



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	2553	2560.9 PSI
(B) First Initial Flow Pressure	20	21.3 PSI
(C) First Final Flow Pressure	20	21.3 PSI
(D) Initial Closed-In Pressure	291	297.4 PSI
(E) Second Initial Flow Pressure	20	21.3 PSI
(F) Second Final Flow Pressure	20	21.3 PSI
(G) Final Closed-In Pressure	311	314.5 PSI
(H) Final Hydrostatic Mud	2533	2540.7 PSI

TRILOBITE TESTING COMPANY

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TEST TICKET

No 3012

Well Name & No.	Allison #1	Test No.	1	Date	1-4-91
Company	CHARTER PRODUCTION COMPANY	Zone Tested	Marmaton		
Address	400 Kress Energy Ctr. 220 E. Douglas	Wichita, KS. 67202	Elevation	2274 (KB)	
Co. Rep./Geo.	Doug Davis	cont.	Eagle #1	Est. Ft. of Pay	6'
Location: Sec.	15	Twp.	34 S	Rge.	26 W
		Co.	Meade	State	KS.
No. of Copies		Distribution Sheet	Yes	No	Turnkey Yes X No

Interval Tested	5374 - 5404	Drill Pipe Size	4 1/2" XH
Anchor Length	30'	Top Choke — 1"	Bottom Choke — 3/4"
Top Packer Depth	5369	Hole Size — 7 7/8"	Rubber Size — 6 3/4"
Bottom Packer Depth	5374	Wt. Pipe I.D. — 2.7 Ft. Run	
Total Depth	5404	Drill Collar — 2.25 Ft. Run	242'
Mud Wt.	9.0	lb/gal.	Viscosity 57
			Filtrate 14.4
Tool Open @	7:10 am	Initial Blow	Weak 1/2" blow increasing to 3"
		ISI:	Bled off blow - no return.
Final Blow	Fair to strong blow building to bottom in 13 mins, staying on bottom throughout.		
Recovery — Total Feet		Flush Tool?	No.
Rec.		Feet of	
Rec.	270'	Feet of	Gas In Pipe
Rec.		Feet of	
Rec.	50'	Feet of	SOGCM (5% gas 3% oil 92% mud)
Rec.		Feet of	
BHT	108°	°F Gravity	°API @ °F Corrected Gravity °API
RW		@ °F Chlorides	ppm Recovery Chlorides 8,000 ppm System
(A) Initial Hydrostatic Mud	2553	PSI	AK1 Recorder No. 13309 Range 4700
(B) First Initial Flow Pressure	20	PSI	@ (depth) 5377 w/Clock No. 27567
(C) First Final Flow Pressure	20	PSI	AK1 Recorder No. 13339 Range 4025
(D) Initial Shut-In Pressure	291	PSI	@ (depth) 5399 w/Clock No. 30418
(E) Second Initial Flow Pressure	20	PSI	AK1 Recorder No. Range
(F) Second Final Flow Pressure	20	PSI	@ (depth) w/Clock No.
(G) Final Shut-In Pressure	311	PSI	Initial Opening 30 Test 650.00
(H) Final Hydrostatic Mud	2533	PSI	Initial Shut-In 60 Jars X 200.00
		Final Flow	60 Safety Joint X 50.00
		Final Shut-In	60 Straddle
Approved By	Doug Davis	Circ. Sub	X n/c
		Sampler	
Our Representative	Rod Steinbrink	Extra Packer	
		Other	
		TOTAL PRICE \$	900.00

TRILOBITE TESTING COMPANY

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Drill-Stem Test Data

Well Name & No.	ALLISON #1	Test No.	2	Date	1/6/91
Company	CHARTER PRODUCTION COMPANY		Zone Tested	MORROW	
Address	220 E DOUGLAS WICHITA KANSAS 67202		Elevation	2274 KB	
Co. Rep./Geo.	MR DOUG DAVIS	Cont.	EAGLE #1	Est. Ft. of Pay	6
Location: Sec.	15	Twp.	34S	Rge.	26W
		Co.	MEADE	State	KANSAS

Interval Tested	5828-5902	Drill Pipe Size	4.5" XH
Anchor Length	74	Top Choke — 1"	Bottom Choke — 1/4"
Top Packer Depth	5823	Hole Size — 7 7/8"	Rubber Size — 6 3/4"
Bottom Packer Depth	5828	Wt. Pipe I.D. — 2.7 Ft. Run	0
Total Depth	5902	Drill Collar — 2.25 Ft. Run	273
Mud Wt.	9.1	lb / gal.	Viscosity
			58
			Filtrate
			13.6

Tool Open @ 9:26 AM Initial Blow TOOL OPENED ON LAST CONNECTION-PICKED
 UP 400' -500' MUD-RESET TOOL-STRONG BLOW TO BOTTOM 1 MIN-
 Final Blow STRONG BLOW-GAUGED 4636.210 MCF/D ON 2" ORIFICE
 FSI: WAS STILL BLOWING @ FINAL OF HOUR OUT 2"

Recovery — Total Feet	420	Flush Tool?	NO
Rec.	420	Feet of	GASSY MUD-85%GAS/TRC OIL/15%MUD
Rec.	0	Feet of	
Rec.	0	Feet of	
Rec.	0	Feet of	
Rec.	0	Feet of	

BHT 128 °F Gravity °API @ 0 °F Corrected Gravity 0 °API

RW @ °F Chlorides ppm Recovery Chlorides 11000 ppm System

(A) Initial Hydrostatic Mud	2911.8	PSI	AK1 Recorder No.	13309	Range	4700
(B) First Initial Flow Pressure	889.7	PSI	@ (depth)	5832	w/Clock No.	27567
(C) First Final Flow Pressure	984.9	PSI	AK1 Recorder No.	13339	Range	4025
(D) Initial Shut-In Pressure	1148.6	PSI	@ (depth)	5897	w/Clock No.	30418
(E) Second Initial Flow Pressure	919.8	PSI	AK1 Recorder No.	0	Range	0
(F) Second Final Flow Pressure	1016.0	PSI	@ (depth)	0	w/Clock No.	0
(G) Final Shut-In Pressure	1150.6	PSI	Initial Opening	30		
(H) Final Hydrostatic Mud	2882.1	PSI	Initial Shut-In	60		
			Final Flow	60		
			Final Shut-In	60		

MR ROD STEINBRINK

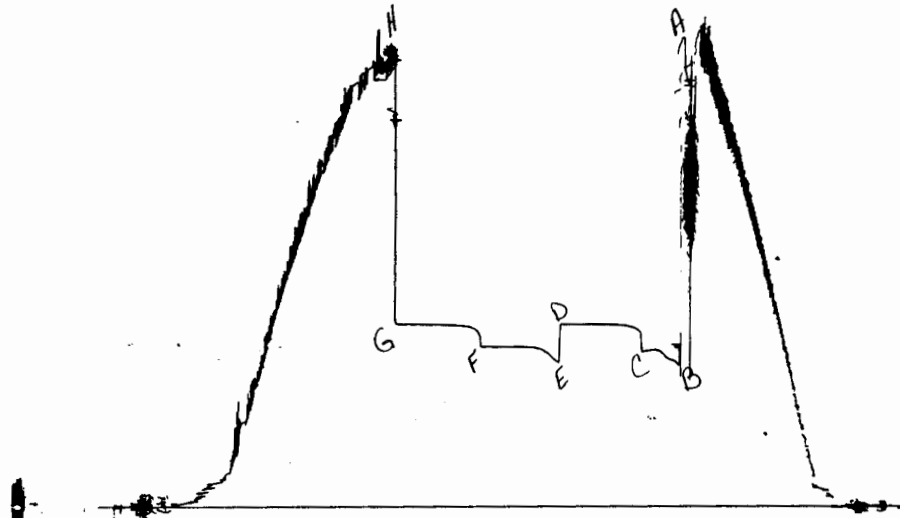
900

Our Representative

TOTAL PRICE \$

DST# 2 RECORDER# 13309

DST #2
13309



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	2880	2911.8 PSI
(B) First Initial Flow Pressure	869	889.7 PSI
(C) First Final Flow Pressure	949	984.9 PSI
(D) Initial Closed-In Pressure	1120	1148.6 PSI
(E) Second Initial Flow Pressure	879	919.8 PSI
(F) Second Final Flow Pressure	979	1016.0 PSI
(G) Final Closed-In Pressure	1120	1150.6 PSI
(H) Final Hydrostatic Mud	2820	2882.1 PSI



GAS VOLUME REPORT

2

DST NO.

Remarks:

101 BONI

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

TEST TICKET

No 3013

Well Name & No.	Allison #1-15	Test No.	2	Date	1-6-91
Company	CHARTER PRODUCTION COMPANY	Zone Tested	Morrow		
Address	400 Kress Energy Ctr. 220E. Douglas Wichita, KS. 67202	Elevation	2274 (KB)		
Co. Rep./Geo.	Doug Davis	cont.	Eagle #1	Est. Ft. of Pay	6'
Location: Sec.	15	Twp.	34 S	Rge.	26 W
		co.	Meade	state	KS.
No. of Copies	Distribution Sheet	Yes	No	Turnkey	Yes X No

Interval Tested	5828 - 5902	Drill Pipe Size	4 1/2" XH
Anchor Length	74'	Top Choke - 1"	Bottom Choke - 3/4"
Top Packer Depth	5823	Hole Size - 7 7/8"	Rubber Size - 6 3/4"
Bottom Packer Depth	5828	Wt. Pipe I.D. - 2.7 Ft. Run	
Total Depth	5902	Drill Collar - 2.25 Ft. Run	273'
Mud Wt.	9.1 lb/gal.	Viscosity	58
		Filtrate	13.6
Tool Open @ 9:26 am Initial Blow Tool opened on last conn. - picked up 400-500' mud			
Reset Tool - Strong blow to bottom 1 min. Unloaded mud @ 10 mins. w/gas			
Final Blow Strong blow - gauged 4,636.210 mcf/day on 2" orifice.			
FSI: Was still blowing @ final of hour out 2".			
Recovery - Total Feet	420'	Flush Tool?	No.
Rec.	Feet of		
Rec.	Feet of		
Rec.	420' Feet of	Gassy Mud (85% gas + oil 15% mud)	
Rec.	Feet of		
Rec.	Feet of		
BHT	128° °F Gravity	°API @	°F Corrected Gravity
RW	@ °F Chlorides	ppm Recovery	Chlorides 11,000 ppm System
(A) Initial Hydrostatic Mud	2880 PSI	AK1 Recorder No.	13309 Range 4700
(B) First Initial Flow Pressure	869 PSI	@ (depth)	5832 w/Clock No. 27567
(C) First Final Flow Pressure	949 PSI	AK1 Recorder No.	13339 Range 4025
(D) Initial Shut-In Pressure	1120 PSI	@ (depth)	5897 w/Clock No. 30418
(E) Second Initial Flow Pressure	879 PSI	AK1 Recorder No.	Range
(F) Second Final Flow Pressure	979 PSI	@ (depth)	w/Clock No.
(G) Final Shut-In Pressure	1120 PSI	Initial Opening	30 Test 650.00
(H) Final Hydrostatic Mud	2820 PSI	Initial Shut-In	60 Jars X 200.00
	Final Flow	60	Safety Joint X 50.00
	Final Shut-In	60	Straddle
			Circ. Sub X n/c
Approved By			Sampler
			Extra Packer
Our Representative	Rod Steinbrink		Other
			TOTAL PRICE \$ 900.00