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## TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

APR 19 1993



## Drill-Stem Test Data

COLO.OIL &amp; GAS CONS.COMM

Well Name KRISS "A" #1 Test No. 1 Date 3/22/93  
 Company MULL DRILLING COMPANY, INC. Zone CHEROKEE  
 Address BOX 2758 WICHITA KS 67202 Elevation 4034  
 Co. Rep./Geo. ROGER MARTIN Cont. KUDU DRLG RIG #1 Est. Ft. of Pay \_\_\_\_\_  
 Location: Sec. 18 Twp. 17S Rge. 42W Co. KIOWA State CO

Interval Tested 4726-4771 Drill Pipe Size 4.5" XH  
 Anchor Length 45 Wt. Pipe I.D. - 2.7 Ft. Run \_\_\_\_\_  
 Top Packer Depth 4721 Drill Collar - 2.25 Ft. Run 555  
 Bottom Packer Depth 4726 Mud Wt. 9 lb/Gal.  
 Total Depth 4771 Viscosity 65 Filtrate 5.6

Tool Open @ 9:40 PM Initial Blow WEAK SURFACE BLOW DIED IN 22 MINUTES

Final Blow SURGE @ OPEN THEN DIED/FLUSHED TOOL/WEAK SURFACE BLOW DIED  
IN 12 MINUTES

Recovery - Total Feet 185 Flush Tool? YES

Rec. 185 Feet of DRILLING MUD WITH STRONG SULFUR ODOR  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

BHT 113 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 5000 ppm System

(A) Initial Hydrostatic Mud 2744.3 PSI AK1 Recorder No. 13309 Range 4700

(B) First Initial Flow Pressure 26.9 PSI @ (depth) 4731 w / Clock No. 26191

(C) First Final Flow Pressure 64.7 PSI AK1 Recorder No. 13339 Range 4025

(D) Initial Shut-in Pressure 1428.9 PSI @ (depth) 4736 w / Clock No. 25753

(E) Second Initial Flow Pressure 79.6 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_

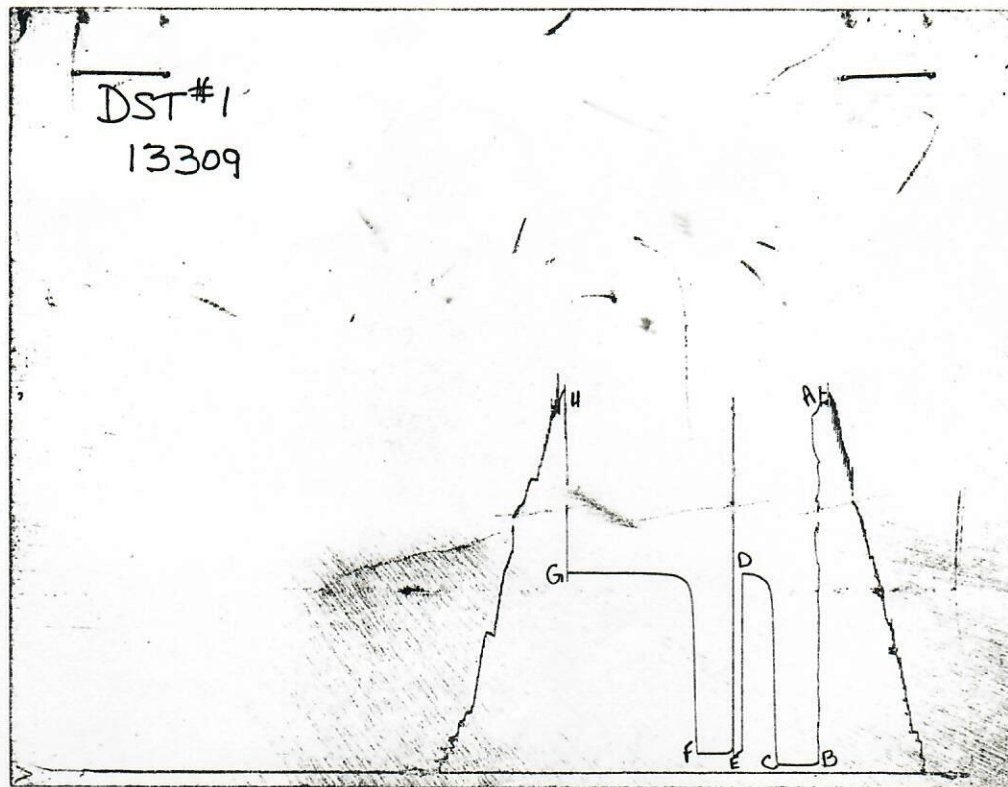
(F) Second Final Flow Pressure 111.3 PSI @ (depth) \_\_\_\_\_ w / Clock No. \_\_\_\_\_

(G) Final Shut-in Pressure 1450.6 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 2711.6 PSI Initial Shut-in 30 Final Shut-in 105

Our Representative ROD STEINBRINK

# CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2746	2744.3
(B) FIRST INITIAL FLOW PRESSURE	23	26.9
(C) FIRST FINAL FLOW PRESSURE	58	64.7
(D) INITIAL CLOSED-IN PRESSURE	1418	1428.9
(E) SECOND INITIAL FLOW PRESSURE	70	79.6
(F) SECOND FINAL FLOW PRESSURE	106	111.3
(G) FINAL CLOSED-IN PRESSURE	1441	1450.6
(H) FINAL HYDROSTATIC MUD	2711	2711.6



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## Test Ticket

No 5825

Well Name & No.	Kriss 'A' #1	Test No.	1	Date	3-22-93
Company	Mull Drilling Company, Inc.	Zone Tested	Cherokee		
Address	P.O. Box 2758 Wichita, KS. 67201-2758	Elevation	4034 (KB)		
Co. Rep./Geo.	Roger Martin	cont.	Kudu #1	Est. Ft. of Pay	
Location: Sec.	18	Twp.	17 S	Rge.	42 W
		co.	Kiowa	State	CO.
No. of Copies	7	Distribution Sheet	X	Yes	No
		Turnkey		Yes	X
		Evaluation		No	

Interval Tested	4726 - 4771	Drill Pipe Size	4 1/2" XH
Anchor Length	45'	Top Choke — 1"	Bottom Choke — 3/4"
Top Packer Depth	4721	Hole Size — 7 7/8"	Rubber Size — 6 3/4"
Bottom Packer Depth	4726	Wt. Pipe I.D. — 2.7 Ft. Run	
Total Depth	4771	Drill Collar — 2.25 Ft. Run	555'
Mud Wt.	9.0	lb/gal.	Viscosity 65
			Filtrate 5.6
Tool Open @	9:40pm (CDT) Initial Blow Weak Surface blow died in 22 mins		

Final Blow Surge @ open then died / Flushed tool / weak surface blow died 12 mins

Recovery — Total Feet	185'	Feet of Gas in Pipe		Flush Tool?	YES
Rec.	Feet Of	%gas	%oil	%water	%mud
Rec.	Feet Of	%gas	%oil	%water	%mud
Rec.	185'	Feet Of	Drilg. Mud	%gas	%oil
Rec.	Feet Of	w/ Strong Sulfur Odor	%gas	%oil	%water
Rec.	Feet Of		%gas	%oil	%water

BHT	113°	°F Gravity		°API @		°F Corrected Gravity		°API
RW	@	°F Chlorides		ppm Recovery		Chlorides	5,000	ppm System
(A) Initial Hydrostatic Mud	2746	PSI	AK1 Recorder No.	13309	Range	4700		
(B) First Initial Flow Pressure	23	PSI	@ (depth)	4731	w/Clock No.	26191		
(C) First Final Flow Pressure	58	PSI	AK1 Recorder No.	13339	Range	4025		
(D) Initial Shut-In Pressure	1418	PSI	@ (depth)	4736	w/Clock No.	25753		
(E) Second Initial Flow Pressure	70	PSI	AK1 Recorder No.		Range			
(F) Second Final Flow Pressure	106	PSI	@ (depth)		w/Clock No.			
(G) Final Shut-In Pressure	1441	PSI	Initial Opening	30	Test	6000		
(H) Final Hydrostatic Mud	2711	PSI	Initial Shut-In	30	Jars	X	200	

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Final Flow	30	Safety Joint	X	50
Final Shut-In	(hr 45 min) 05	Straddle		
		Circ. Sub	X	N/C
		Sampler		
		Extra Packer		
		Other		

Approved By Roger Martin  
 Our Representative Rod Steinbrink