00524115

TRILOBITE TESTING, L.L.C.

NWNE 8-16S-51W

P.O. Box 362 • Hays, Kansas 67601

API 017-07362

Drill-Stem Test Data

Well Name ANSLEY #1 Test No. 1 Date 3/7/93

Company MULL DRILLING COMPANY, INC. Zone PLEASANTON

Address BOX 2758 WICHITA KS 67202 Elevation 4501

Co. Rep./Geo. ROGER MARTIN Cont. KUDU DRLG RIG #1 Est. Ft. of Pay

Location: Sec. 8 Twp. 16S Rge. 51W Co. CHEYENNE State CO

Interval Tested 4707-4726 Drill Pipe Size 4.5" XH

Anchor Length 19 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 4702 Drill Collar – 2.25 Ft. Run 550

Bottom Packer Depth 4707 Mud Wt. 9 lb/Gal.

Total Depth 4726 Viscosity 67 Filtrate 7.2

Tool Open @ 11:25 PM Initial Blow STRONG BLOW-BOTTOM OF BUCKET IN 3 MINUTES
VERY WEAK BLOW BACK THROUGHOUT SHUT IN

Final Blow STRONG BLOW - BOTTOM OF BUCKET IN 8 MINUTES
NO BLOW BACK

Recovery - Total Feet 2300 Flush Tool? NO

Rec. 186 Feet of GAS IN PIPE

Rec. 25 Feet of CLEAN OIL

Rec. 55 Feet of GAS & OIL CUT WATERY MUD

Rec. 372 Feet of GAS & OIL CUT MUDDY WATER-18%GAS/12%OIL/50%WTR/20%MUD

Rec. 1848 Feet of WATER

BHT 135 °F Gravity 35 °API @ 50 °F Corrected Gravity 36 °API

RW 0.31 @ 56 °F Chlorides 27000 ppm Recovery Chlorides 500 ppm System

(A) Initial Hydrostatic Mud 2205.7 PSI AK1 Recorder No. 13337 Range 3975

(B) First Initial Flow Pressure 87.9 PSI @ (depth) 4710 w / Clock No. 25828

(C) First Final Flow Pressure 530.4 PSI AK1 Recorder No. 10332 Range 4025

(D) Initial Shut-in Pressure 1312.3 PSI @ (depth) 4723 w / Clock No. 31152

(E) Second Initial Flow Pressure 606.0 PSI AK1 Recorder No. Range

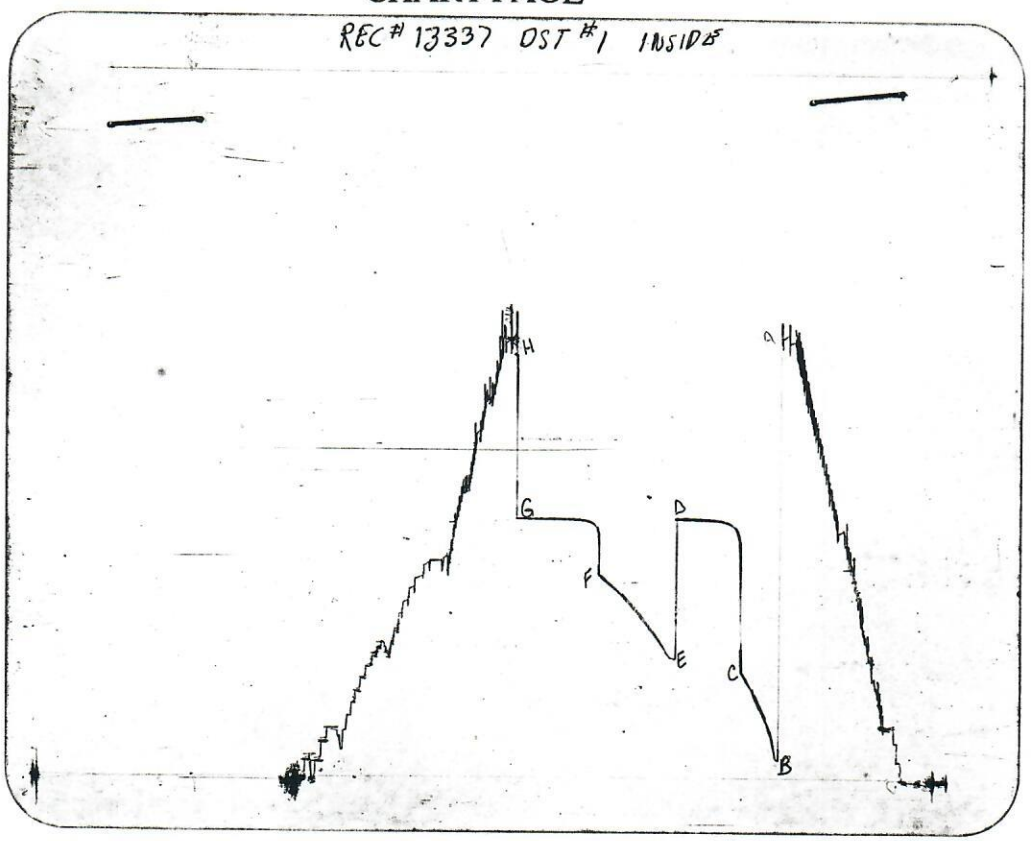
(F) Second Final Flow Pressure 1025.0 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 1312.3 PSI Initial Opening 30 Final Flow 60

(H) Final Hydrostatic Mud 2181.4 PSI Initial Shut-in 45 Final Shut-in 60

Our Representative JOHN RIEDL

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2200	2205.7
(B) FIRST INITIAL FLOW PRESSURE	80	87.9
(C) FIRST FINAL FLOW PRESSURE	524	530.4
(D) INITIAL CLOSED-IN PRESSURE	1314	1312.3
(E) SECOND INITIAL FLOW PRESSURE	602	606
(F) SECOND FINAL FLOW PRESSURE	1015	1025
(G) FINAL CLOSED-IN PRESSURE	1302	1312.3
(H) FINAL HYDROSTATIC MUD	2179	2181.4

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 5341

Well Name & No. ANSLEY #1 Test No. 1 Date 3-7-93

Company MULL DRILLING CO. INC. Zone Tested PLEASANTON

Address 221 N MAIN SUITE 300 P.O BOX 2758 WICHITA KS 67201-2758 Elevation 4501 K.B.

Co. Rep./Geo. ROGER MARTIN Cont. KUDU DRILLING Est. Ft. of Pay

Location: Sec. 8 Twp. 16S Rge. 51W Co. CHEYENNE State COLORADO

No. of Copies 6 Distribution Sheet (Yes) No Turnkey Yes (NO) Evaluation

Interval Tested 4707 - 4726 Drill Pipe Size 4½ XH

Anchor Length 19 FT Top Choke — 1" Bottom Choke — ¾"

Top Packer Depth 4702 Hole Size — 7⅞" Rubber Size — 6¾"

Bottom Packer Depth 4707 Wt. Pipe I.D. — 2.7 Ft. Run 0

Total Depth 4726 Drill Collar — 2.25 Ft. Run 550 FT

Mud Wt. 9.0 lb/gal. Viscosity 67 Filtrate 7.2

Tool Open @ 11:25 PM Initial Blow STRONG BLOW - BTM BUCKET IN 3 MINUTES
VERY WEAK BLOWBACK THROUGHOUT SHUT-IN

Final Blow STRONG BLOW - BTM BUCKET IN 8 MINUTES
NO BLOWBACK

Recovery — Total Feet 2300 Feet of Gas in Pipe 186 Flush Tool? NO

Rec. 25	Feet Of clean Oil	%gas	%oil	%water	%mud
Rec. 55	Feet Of gas & oil cut wtry mud	%gas No sample	%oil	%water	%mud
Rec. 372	Feet Of gas & oil cut muddy wtr	18 %gas	12 %oil	50 %water	20 %mud
Rec. 1848	Feet Of water	%gas	%oil	%water	%mud
Rec.	Feet Of	%gas	%oil	%water	%mud

BHT 135 °F Gravity 35 °API @ 50 °F Corrected Gravity 35.7 °API

RW .031 @ 56 °F Chlorides 27,000 ppm Recovery Chlorides 500 ppm System

(A) Initial Hydrostatic Mud	3200 PSI	AK1 Recorder No.	13337 READ	Range	3975
(B) First Initial Flow Pressure	80 PSI	@ (depth)	4710	w/Clock No.	25828
(C) First Final Flow Pressure	524 PSI	AK1 Recorder No.	10332	Range	4025
(D) Initial Shut-In Pressure	1314 PSI	@ (depth)	4723	w/Clock No.	31152
(E) Second Initial Flow Pressure	602 PSI	AK1 Recorder No.	—	Range	—
(F) Second Final Flow Pressure	1015 PSI	@ (depth)	—	w/Clock No.	—
(G) Final Shut-In Pressure	1302 PSI	Initial Opening	30	Test	✓ 600
(H) Final Hydrostatic Mud	2179 PSI	Initial Shut-In	45	Jars	✓ 200
		Final Flow	60	Safety Joint	✓ 50
		Final Shut-In	60	Straddle	
				Circ. Sub	
				Sampler	
				Extra Packer	
				Other	

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Roger Martin

Our Representative John Reed

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name: ANSLEY #1 | Test No.: 2 | Date: 3/12/93

Company: MULL DRILLING COMPANY, INC. | Zone: SPEGEN

Address: BOX 2758 WICHITA KS 67202 | Elevation: 4501

Co. Rep./Geo.: ROGER MARTIN | Cont.: KUDU DRLG RIG #1 | Est. Ft. of Pay: 5

Location: Sec.: 8 | Twp.: 16S | Rge.: 51W | Co.: CHEYENNE | State: CO

Interval Tested	5774-5815	Drill Pipe Size	4.5" XH
Anchor Length	41	Wt. Pipe I.D. - 2.7 Ft. Run	
Top Packer Depth	5769	Drill Collar – 2.25 Ft. Run	555
Bottom Packer Depth	5774	Mud Wt.	9 lb/Gal.
Total Depth	5815	Viscosity	56 Filtrate 8

Tool Open @ 3:45 AM | Initial Blow: WEAK TO FAIR BLOW BUILT TO 11" THROUGHOUT

ISI: BLED OFF BLOW - SURFACE RETURN DIED IN 30 MINUTES

Final Blow: WEAK SURFACE RETURN BUILT SLOWLY TO 11" IN 30 MINUTES

DECREASED TO 9" @ FINAL OF 90 MINUTES

Recovery - Total Feet: 490 | Flush Tool?: NO

Rec. 1280	Feet of	GAS IN PIPE
Rec. 25	Feet of	HVY GAS & OIL CUT MUD-30%GAS/20%OIL/50%MUD
Rec. 279	Feet of	HVY GAS & OIL CUT MUD-71%GAS/16%OIL/13%MUD
Rec. 186	Feet of	GAS, OIL & MUD CUT WATER-21%GAS/5% OIL/44%WTR/30%MUD
Rec.	Feet of	

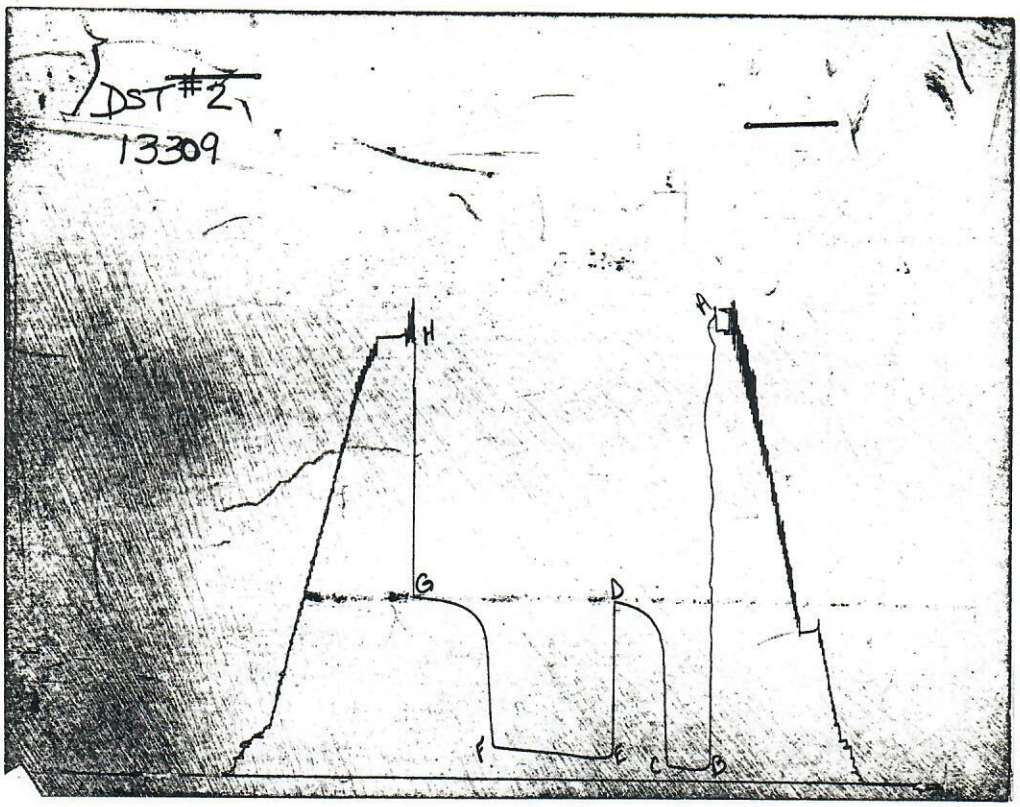
BHT 123 °F | Gravity °API | @ °F | Corrected Gravity °API

RW 0.99 @ 64 °F | Chlorides 7000 ppm Recovery | Chlorides 500 ppm System

(A) Initial Hydrostatic Mud	2744.3 PSI	AK1 Recorder No.	13309 Range 4700
(B) First Initial Flow Pressure	30.6 PSI	@ (depth)	5778 w / Clock No. 26191
(C) First Final Flow Pressure	85.4 PSI	AK1 Recorder No.	13339 Range 4025
(D) Initial Shut-in Pressure	1131.4 PSI	@ (depth)	5783 w / Clock No. 21573
(E) Second Initial Flow Pressure	141.7 PSI	AK1 Recorder No.	Range
(F) Second Final Flow Pressure	205.6 PSI	@ (depth)	w / Clock No.
(G) Final Shut-in Pressure	1135.8 PSI	Initial Opening	30 Final Flow 90
(H) Final Hydrostatic Mud	2711.6 PSI	Initial Shut-in	45 Final Shut-in 60

Our Representative: ROD STEINBRINK

CHART PAGE



This is an actual photograph of recorder chart

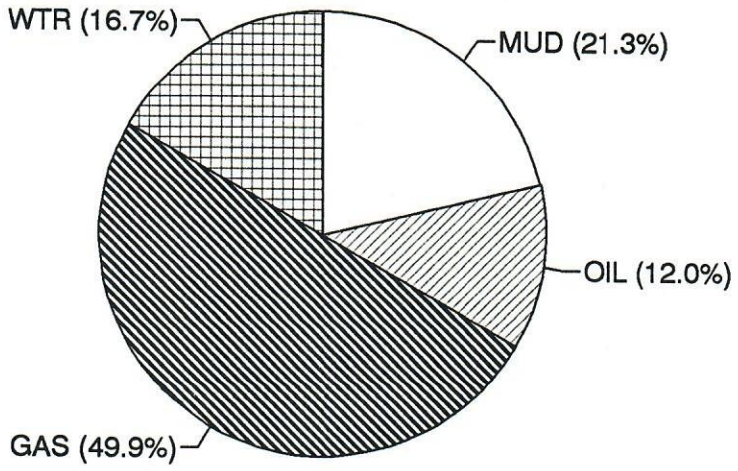
	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2741	2744.3
(B) FIRST INITIAL FLOW PRESSURE	31	30.6
(C) FIRST FINAL FLOW PRESSURE	83	85.4
(D) INITIAL CLOSED-IN PRESSURE	1120	1131.4
(E) SECOND INITIAL FLOW PRESSURE	135	141.7
(F) SECOND FINAL FLOW PRESSURE	197	205.6
(G) FINAL CLOSED-IN PRESSURE	1130	1135.8
(H) FINAL HYDROSTATIC MUD	2701	2711.6

DST # 2 TICKET 5823

SAMPLE #	TOTAL FEET	GAS %	GAS FEET	OIL %	OIL FEET	WATER %	WATER FEET	MUD %	MUD FEET
1	25	30	7.5	20	5	0	0	50	12.5
2	279	71	198.09	16	44.64	0	0	13	36.27
3	186	21	39.06	5	9.3	44	81.84	30	55.8
4			0		0		0	0	0
5			0		0		0		0
TOTAL	490	49.93	244.65	12.03	58.94	16.70	81.84	21.340816	104.57

			HRS OP	BBL/DAY
BBL OIL=	0.2882166	*	1.5	4.6114656
BBL WATER=	0.4001976	*		6.4031616
BBL MUD=	0.5113473			
BBL GAS=	1.1963385			

MUD
OIL
GAS
WTR



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 5823

Well Name & No. Ansley #1 Test No. 2 Date 3-12-93

Company Mull Drilling Company, Inc. Zone Tested Spergen

Address P.O. Box 2758 Wichita, KS. 67201 Elevation 4501 (KB)

Co. Rep./Geo. Roger Martin Cont. Kudu #1 Est. Ft. of Pay 5'

Location: Sec. 8 Twp. 16S Rge. 51W Co. Cheyenne State CO.

No. of Copies ____ Distribution Sheet ____ Yes ____ No Turnkey ____ Yes X No ____ Evaluation

Interval Tested 5774 - 5815 Drill Pipe Size 4½" XH.

Anchor Length 41' Top Choke — 1" ____ Bottom Choke — ¾" ____

Top Packer Depth 5769 Hole Size — 7⅞" ____ Rubber Size — 6¾" ____

Bottom Packer Depth 5774 Wt. Pipe I.D. — 2.7 Ft. Run ____

Total Depth 5815 Drill Collar — 2.25 Ft. Run 555'

Mud Wt. 9.0 lb/gal. Viscosity 56 Filtrate 8.0

Tool Open @ 3:45 am (CDT) Initial Blow Weak to fair blow built to 11" throughout. ISI: Bled off blow - surface return died in 30 mins.

Final Blow Weak surface return built slowly to 11" in 30 mins then decreased to 9" @ final of 90 mins.

Recovery — Total Feet 490 Feet of Gas in Pipe 1280 Flush Tool? No

Rec. 25	Feet Of	HG+OCM	30 %gas	20 %oil	— %water	50 %mud
Rec. 279	Feet Of	HG+OCM	71 %gas	16 %oil	— %water	13 %mud
Rec. 186	Feet Of	G+OC+MC W+r	21 %gas	5 %oil	44 %water	30 %mud
Rec. ____	Feet Of	____	%gas	%oil	%water	%mud
Rec. ____	Feet Of	____	%gas	%oil	%water	%mud

BHT 123° °F Gravity ____ °API @ ____ °F Corrected Gravity ____ °API

RW .99 @ 64° °F. Chlorides 7,000 ppm Recovery Chlorides 500 ppm System

(A) Initial Hydrostatic Mud	2741 PSI	AK1 Recorder No.	13309	Range	4700
(B) First Initial Flow Pressure	31 PSI	@ (depth)	5778	w/Clock No.	26191
(C) First Final Flow Pressure	83 PSI	AK1 Recorder No.	13389	Range	4025
(D) Initial Shut-In Pressure	1120 PSI	@ (depth)	5783	w/Clock No.	21573
(E) Second Initial Flow Pressure	135 PSI	AK1 Recorder No.	—	Range	—
(F) Second Final Flow Pressure	197 PSI	@ (depth)	—	w/Clock No.	—
(G) Final Shut-In Pressure	1130 PSI	Initial Opening	30	Test	____
(H) Final Hydrostatic Mud	2701 PSI	Initial Shut-In	45	Jars	X
		Final Flow	90	Safety Joint	X
		Final Shut-In	60	Straddle	____
				Circ. Sub	X N/C
				Sampler	____
				Extra Packer	____
				Other	____

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Approved By Roger L. Martin

Our Representative Rod Steinbrink