

# TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Drill-Stem Test Data

Well Name MARY NATION #2 Test No. 1 Date 11/10/93  
Company QUINQUE OPERATING COMPANY Zone MARMATON  
Address P.O. BOX 2738 LIBERAL KS 67901 Elevation 2937  
Co. Rep./Geo. M MOORE/BOB POSEY Cont. BEREDCO RIG #5 Est. Ft. of Pay 7  
Location: Sec. 34 Twp. 30S Rge. 33W Co. HASKELL State KS

Interval Tested 4800-4818 Drill Pipe Size 4.5" XH  
Anchor Length 18 Wt. Pipe I.D. - 2.7 Ft. Run \_\_\_\_\_  
Top Packer Depth 4795 Drill Collar - 2.25 Ft. Run 734  
Bottom Packer Depth 4800 Mud Wt. 9 lb/Gal.  
Total Depth 4818 Viscosity 50 Filtrate 9.6

Tool Open @ 3:50 AM Initial Blow STRONG BLOW - GAS TO SURFACE IN 2 MINUTES  
ISI: BLOW DID NOT DIE COMPLETELY  
Final Blow STRONG RETURN GAUGED 6 PSI ON 1.5" ORIFICE = 953 MCF/DAY

Recovery - Total Feet 390 Flush Tool? NO

Rec. 120 Feet of GSY OIL & WTR CUT MUD-50%GAS/10%OIL/10%WTR/30%MUD  
Rec. 90 Feet of GSY OIL CUT WATER-40%GAS/20%OIL/40%MUD  
Rec. 180 Feet of SLIGHTLY GAS CUT SALT WATER-5%GAS/95%WTR  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

BHT 123 °F Gravity 33.6 °API @ 56 °F Corrected Gravity 34 °API  
RW 0.34 @ 38 °F Chlorides 40000 ppm Recovery Chlorides 850 ppm System

(A) Initial Hydrostatic Mud 2315.4 PSI AK1 Recorder No. 13339 Range 4025

(B) First Initial Flow Pressure 315.4 PSI @ (depth) 4808 w / Clock No. 19960

(C) First Final Flow Pressure 264.3 PSI AK1 Recorder No. 13276 Range 4000

(D) Initial Shut-in Pressure 1374.3 PSI @ (depth) 4813 w / Clock No. 22992

(E) Second Initial Flow Pressure 292.1 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_

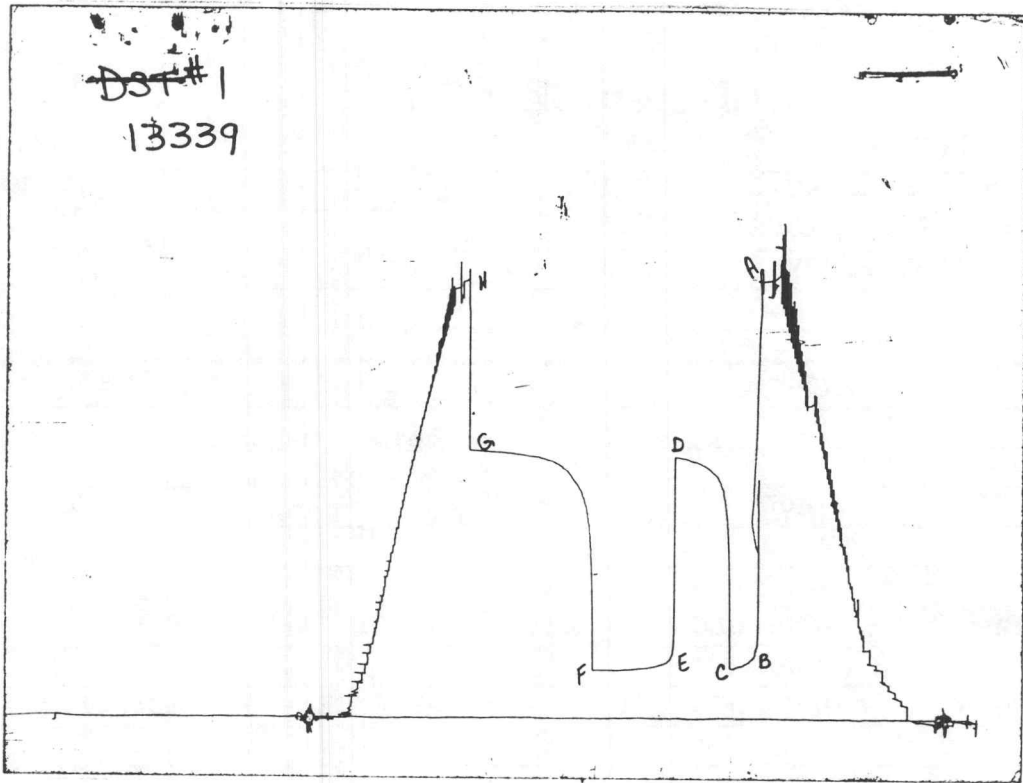
(F) Second Final Flow Pressure 263.2 PSI @ (depth) \_\_\_\_\_ w / Clock No. \_\_\_\_\_

(G) Final Shut-in Pressure 1407.6 PSI Initial Opening 20 Final Flow 60

(H) Final Hydrostatic Mud 2274.3 PSI Initial Shut-in 40 Final Shut-in 90

Our Representative ROD STEINBRINK

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2303	2315.4
(B) FIRST INITIAL FLOW PRESSURE	311	315.4
(C) FIRST FINAL FLOW PRESSURE	259	264.3
(D) INITIAL CLOSED-IN PRESSURE	1371	1374.3
(E) SECOND INITIAL FLOW PRESSURE	291	292.1
(F) SECOND FINAL FLOW PRESSURE	259	263.2
(G) FINAL CLOSED-IN PRESSURE	1401	1407.6
(H) FINAL HYDROSTATIC MUD	2273	2274.3

DST #

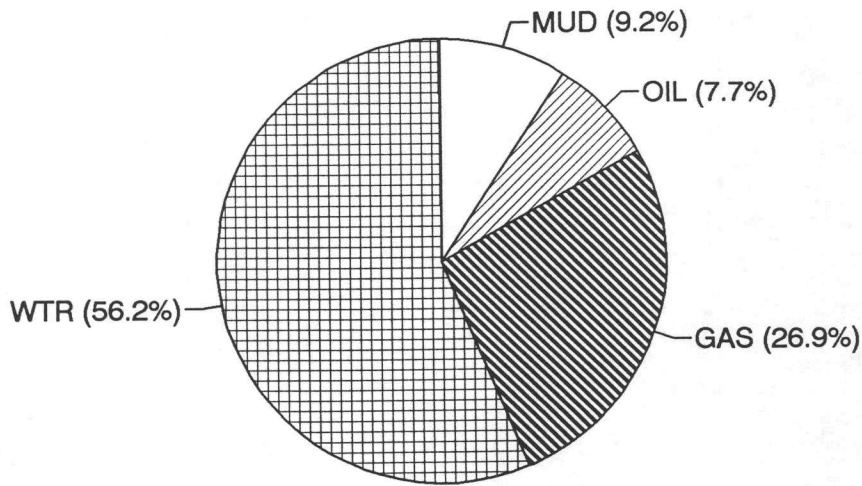
1

TICKET

6296

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
1	120	50	60	10	12	10	12	30	36
2	90	40	36	20	18	40	36	0	0
3	180	5	9	0	0	95	171	0	0
4			0		0		0		0
5			0		0		0		0
TOTAL	390	26.92	105	7.69	30	56.15	219	9.2307692	36

		HRS OP	BBL/DAY	
BBL OIL=	0.1467	*	1.25	2.81664
BBL WATER=	1.07091	*		20.561472
BBL MUD=	0.17604			
BBL GAS=	0.51345			



MUD  
OIL  
GAS  
WTR

# GAS VOLUME REPORT

QUINQUE OPERATING COMPANY

MARY NATION #2

DST # 1

MIN	PSIG	ORIFICE	MCF/D	MIN	PSIG	ORIFICE	MCF/D
2	GTS	1.5		10	6	1.5	953
5	5.5	1.5	908	20	6	1.5	953
10	6	1.5	953	30	6	1.5	953
15	6	1.5	953	40	6	1.5	953
20	6	1.5	953	50	6	1.5	953
				60	6	1.5	953

Remarks: GAS IS FLAMMABLE WITH RICH SMELL