

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name MCLAIN #2-3 Test No. 1 Date 6/7/93
Company BEREXCO INC Zone KC "A"
Address 970 FOURTH FINANCIAL CNTR WICHITA KS 67202 Elevation 2971
Co. Rep./Geo. CHARLIE SPRADLIN Cont. BEREDCO RIG #5 Est. Ft. of Pay 6
Location: Sec. 3 Twp. 29S Rge. 33W Co. HASKELL State KS

Interval Tested 4610-4633
Anchor Length 23
Top Packer Depth 4605
Bottom Packer Depth 4610
Total Depth 4633

Drill Pipe Size 4.5" XH
Wt. Pipe I.D. - 2.7 Ft. Run _____
Drill Collar - 2.25 Ft. Run 740
Mud Wt. 8.9 lb/Gal.
Viscosity 48 Filtrate 9.6

Tool Open @ 8:05 AM ^{Initial} Blow STRONG BLOW-BOTTOM OF BUCKET IN 7 MINUTES
INITIAL SHUT-IN -- BLED OFF BLOW - NO BLOW BACK
Final Blow FAIR BLOW-BOTTOM OF BUCKET IN 15 MINUTES
FINAL SHUT-IN -- BLED OFF BLOW - NO BLOW BACK

Recovery - Total Feet 310 Flush Tool? NO

Rec. 700 Feet of GAS IN PIPE
Rec. 125 Feet of GASSY OIL CUT MUD 25%GAS/15%OIL/60%WATER
Rec. 185 Feet of GASSY MUD CUT WATER 15%GAS/65%WATER/20%MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 120 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW 0.54 @ 70 °F Chlorides 12000 ppm Recovery Chlorides 8000 ppm System

(A) Initial Hydrostatic Mud 2245.1 PSI AK1 Recorder No. 13277 Range 4125

(B) First Initial Flow Pressure 45.9 PSI @ (depth) 4614 w / Clock No. 19960

(C) First Final Flow Pressure 56.2 PSI AK1 Recorder No. 5495 Range 4200

(D) Initial Shut-in Pressure 1348.4 PSI @ (depth) 4630 w / Clock No. 26199

(E) Second Initial Flow Pressure 98.4 PSI AK1 Recorder No. _____ Range _____

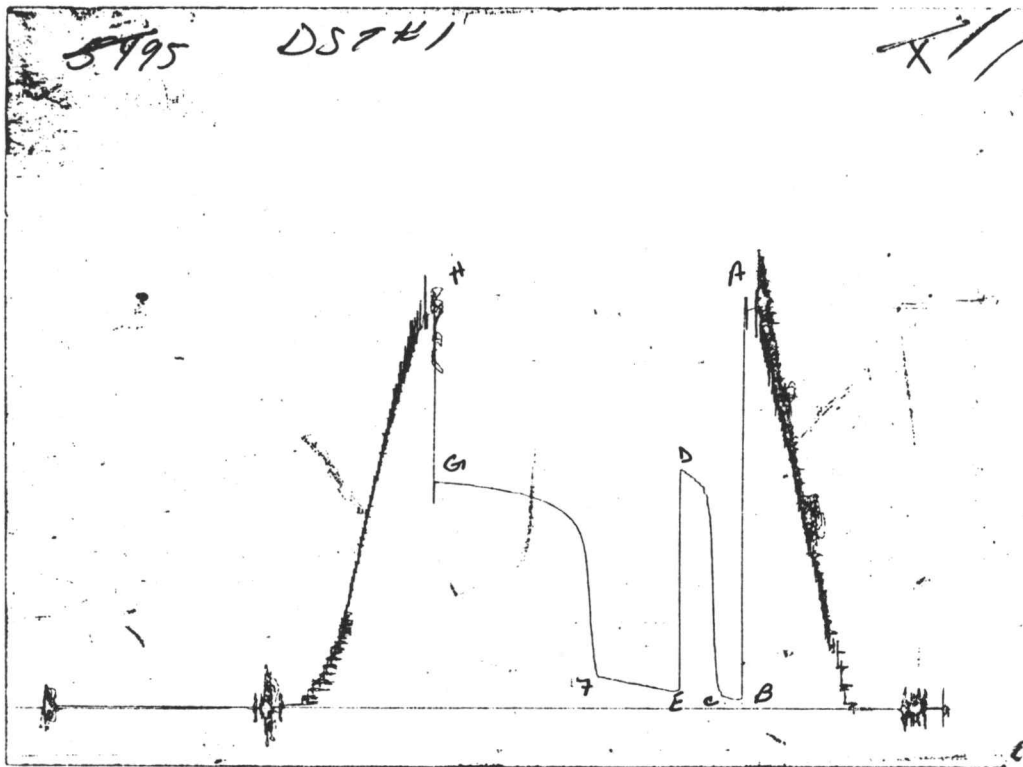
(F) Second Final Flow Pressure 195.2 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 1270.2 PSI Initial Opening 15 Final Flow 60

(H) Final Hydrostatic Mud 2225.6 PSI Initial Shut-in 30 Final Shut-in 120

Our Representative TOM HORACEK

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2238	2245.1
(B) FIRST INITIAL FLOW PRESSURE	56	45.9
(C) FIRST FINAL FLOW PRESSURE	67	56.2
(D) INITIAL CLOSED-IN PRESSURE	1330	1348.4
(E) SECOND INITIAL FLOW PRESSURE	101	98.4
(F) SECOND FINAL FLOW PRESSURE	189	195.2
(G) FINAL CLOSED-IN PRESSURE	1267	1270.2
(H) FINAL HYDROSTATIC MUD	2217	2225.6

CALCULATED RECOVERY ANALYSIS

DST

1

TICKET #

5511

SAMPLE #	TOTAL FEET	GAS %	FEET	OIL %	FEET	%	WATER FEET	%	MUD FEET
DRILL 1	270	100	270		0		0		0
PIPE 2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
6			0		0		0		0
WEIGHT 1			0		0		0		0
PIPE 2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
DRILL 1	430	100	430		0		0		0
COLLAR 2	125	25	31.25	15	18.75		0	60	75
3	185	15	27.75		0	65	120.25	20	37
4			0		0		0		0
5			0		0		0		0
TOTAL	1010		759		18.75		120.25		112

BBL OIL=	0.0916875	*	HRS OPEN	1.25	BBL/DAY	1.7604
BBL WATER=	0.5880225	*				11.290032
BBL MUD=	0.54768					
BBL GAS =	6.23061					

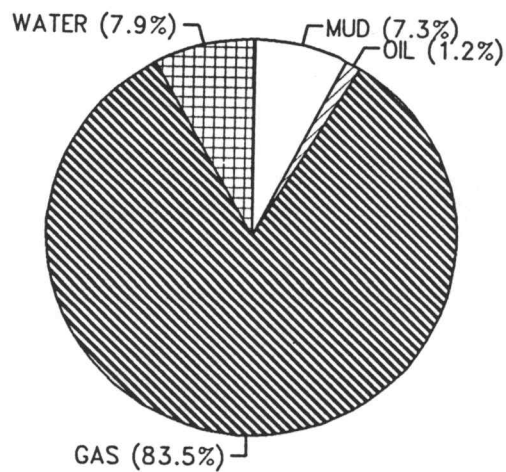
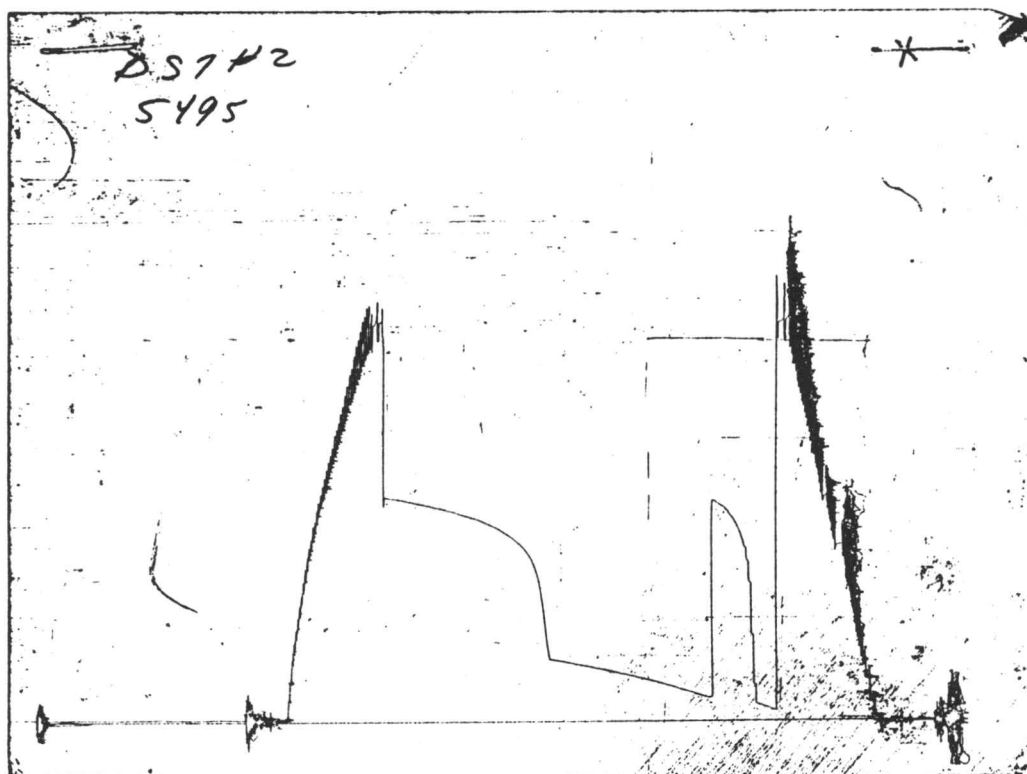


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	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2259	2265.2
(B) FIRST INITIAL FLOW PRESSURE	56	67.8
(C) FIRST FINAL FLOW PRESSURE	89	84.2
(D) INITIAL CLOSED-IN PRESSURE	1235	1246.4
(E) SECOND INITIAL FLOW PRESSURE	134	145.2
(F) SECOND FINAL FLOW PRESSURE	353	369.8
(G) FINAL CLOSED-IN PRESSURE	1256	1269.8
(H) FINAL HYDROSTATIC MUD	2238	2246.5

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Drill-Stem Test Data

Well Name McLAIN #2-3 Test No. 3 Date 6/10/93
Company BEREXCO INC Zone CHESTER
Address 970 FOURTH FINANCIAL CNTR WICHITA KS 67202 Elevation 2971
Co. Rep./Geo. CHARLIE SPRADLIN Cont. BEREDCO RIG #5 Est. Ft. of Pay 5
Location: Sec. 3 Twp. 29S Rge. 33W Co. HASKELL State KS

Interval Tested 5465-5503
Anchor Length 38
Top Packer Depth 5460
Bottom Packer Depth 5465
Total Depth 5503

Drill Pipe Size 4.5" XH
Wt. Pipe I.D. - 2.7 Ft. Run 740
Drill Collar - 2.25 Ft. Run 8.9 lb/Gal.
Mud Wt. 52
Viscosity 7 Filtrate

Tool Open @ 1:50 AM Initial Blow WEAK BLOW FOR 1 1/2 MINUTES THEN LOST PACKER SEAT

Final Blow

Recovery - Total Feet Flush Tool? NO

Rec. Feet of
Rec. Feet of
Rec. Feet of
Rec. Feet of
Rec. Feet of

BHT 135 °F Gravity °API °F Corrected Gravity °API
RW °F Chlorides ppm Recovery Chlorides 2800 ppm System

(A) Initial Hydrostatic Mud 2639.2 PSI AK1 Recorder No. 13277 Range 4125

(B) First Initial Flow Pressure PSI @ (depth) 5469 w / Clock No. 19960

(C) First Final Flow Pressure PSI AK1 Recorder No. 5495 Range 4200

(D) Initial Shut-in Pressure PSI @ (depth) 5500 w / Clock No. 26199

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

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

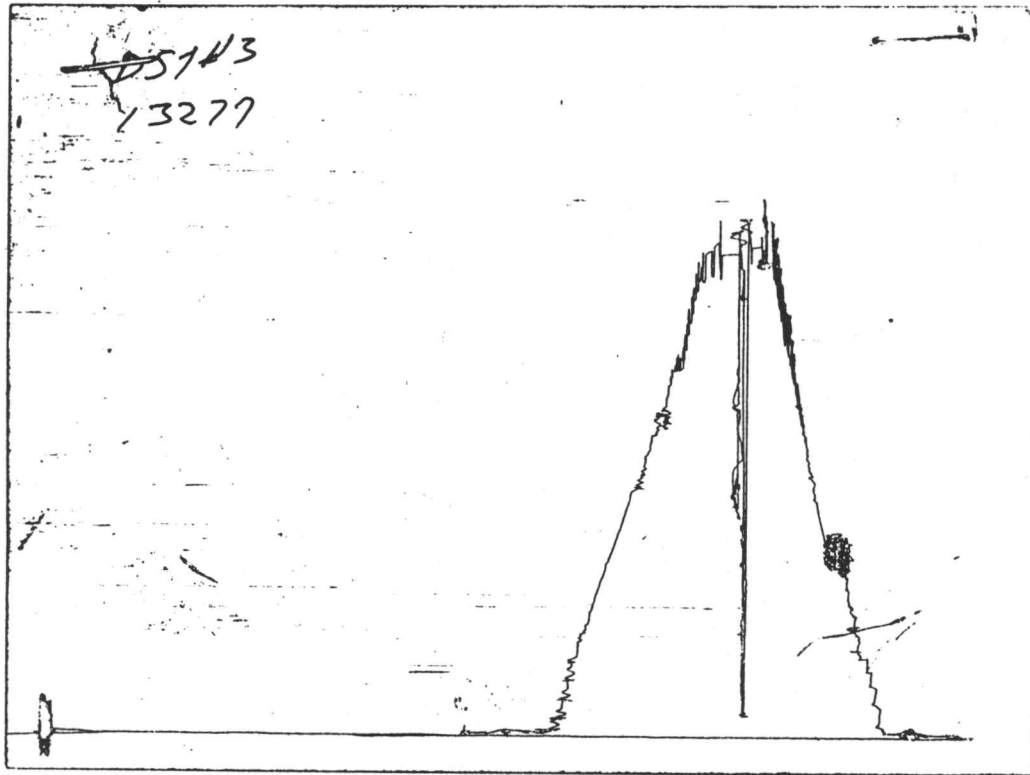
(G) Final Shut-in Pressure PSI Initial Opening Final Flow

(H) Final Hydrostatic Mud 2612.5 PSI Initial Shut-in Final Shut-in

TOM HORACEK

Our Representative

CHART PAGE



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	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2636	2639.2
(B) FIRST INITIAL FLOW PRESSURE		
(C) FIRST FINAL FLOW PRESSURE		
(D) INITIAL CLOSED-IN PRESSURE		
(E) SECOND INITIAL FLOW PRESSURE		
(F) SECOND FINAL FLOW PRESSURE		
(G) FINAL CLOSED-IN PRESSURE		
(H) FINAL HYDROSTATIC MUD	2603	2612.5

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Drill-Stem Test Data

Well Name McLAIN #2-3 Test No. 4 Date 6/11/93
Company BEREXCO INC Zone CHESTER
Address 970 FOURTH FINANCIAL CNTR WICHITA KS 67202 Elevation 2971
Co. Rep./Geo. CHARLIE SPRADLIN Cont. BEREDCO RIG #5 Est. Ft. of Pay 5
Location: Sec. 3 Twp. 29S Rge. 33W Co. HASKELL State KS

Interval Tested 5479-5503
Anchor Length 24
Top Packer Depth 5474
Bottom Packer Depth 5479
Total Depth 5503

Drill Pipe Size 4.5" XH
Wt. Pipe I.D. - 2.7 Ft. Run 740
Drill Collar - 2.25 Ft. Run 8.9 lb/Gal.
Mud Wt. 52 Viscosity 7 Filtrate

Tool Open @ Initial Blow PACKER FAILURE

Final Blow

Recovery - Total Feet

Flush Tool? NO

Rec. Feet of
Rec. Feet of
Rec. Feet of
Rec. Feet of
Rec. Feet of

BHT °F Gravity °API @ °F Corrected Gravity °API
RW @ °F Chlorides ppm Recovery Chlorides 2800 ppm System

(A) Initial Hydrostatic Mud 2645.6 PSI AK1 Recorder No. 13277 Range 4125

(B) First Initial Flow Pressure PSI @ (depth) 5478 w / Clock No. 19960

(C) First Final Flow Pressure PSI AK1 Recorder No. 5495 Range 4200

(D) Initial Shut-in Pressure PSI @ (depth) 5500 w / Clock No. 26199

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

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

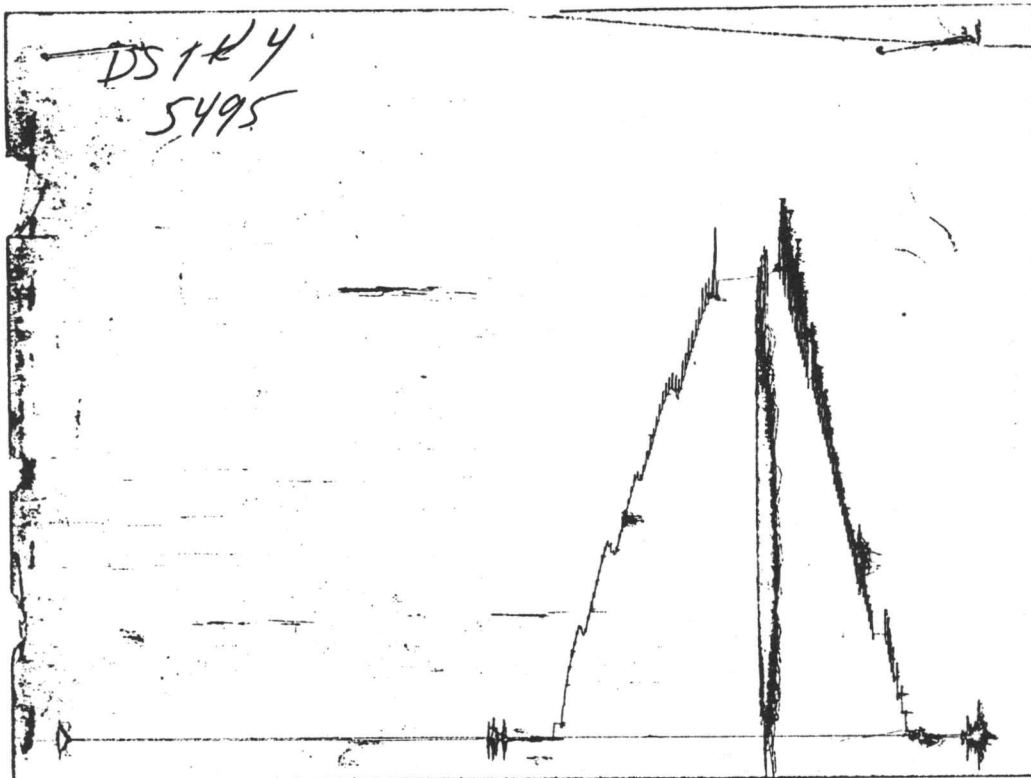
(G) Final Shut-in Pressure PSI Initial Opening Final Flow

(H) Final Hydrostatic Mud 2619.2 PSI Initial Shut-in Final Shut-in

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CHART PAGE



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	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2636	2645.6
(B) FIRST INITIAL FLOW PRESSURE		
(C) FIRST FINAL FLOW PRESSURE		
(D) INITIAL CLOSED-IN PRESSURE		
(E) SECOND INITIAL FLOW PRESSURE		
(F) SECOND FINAL FLOW PRESSURE		
(G) FINAL CLOSED-IN PRESSURE		
(H) FINAL HYDROSTATIC MUD	2603	2619.2