TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name: BARBER FARMS #1-12 | Test No.: 1 | Date: 1/4/94

Company: CHARTER PRODUCTION COMPANY | Zone: MORROW "A"

Address: 224 EAST DOUGLAS #400 WICHITA KS 67202 | Elevation: 3358

Co. Rep./Geo.: TYLER SANDERS | Cont.: ZENITH DRLG RIG #7 | Est. Ft. of Pay: 10

Location: Sec.: 12 | Twp.: 30S | Rge.: 41W | Co.: STANTON | State: KS

Interval Tested	4960-5111	Drill Pipe Size	4.5" XH
Anchor Length	151	Wt. Pipe I.D. - 2.7 Ft. Run	
Top Packer Depth	4955	Drill Collar – 2.25 Ft. Run	4" H-90/406
Bottom Packer Depth	4960	Mud Wt.	8.4 lb/Gal.
Total Depth	5111	Viscosity 52	Filtrate 8.8

Tool Open @ 6:15 PM | Initial Blow: WEAK BLOW BUILT TO BOTTOM IN 9 MINUTES

ISI: BLED OFF BLOW-WEAK SURFACE RETURN BUILT TO 1"

Final Blow: FAIR TO STRONG RETURN OFF BOTTOM IN 4 MINUTES

FSI: BLED OFF BLOW-SURFACE RETURN BUILT TO 2"

Recovery - Total Feet: 425 | Flush Tool?: NO

Rec. 220	Feet of	GAS IN PIPE
Rec. 20	Feet of	CLEAN GASSY OIL-30%GAS/70% OIL
Rec. 165	Feet of	GSY OIL CUT MUD-25%GAS/35%OIL/40%MUD
Rec. 120	Feet of	GSY OIL & WTR CUT MUD-10%GAS/25%OIL/5%WTR/60%MUD
Rec. 120	Feet of	GSY WTR CUT MUD-20%GAS/20%WTR/60%MUD

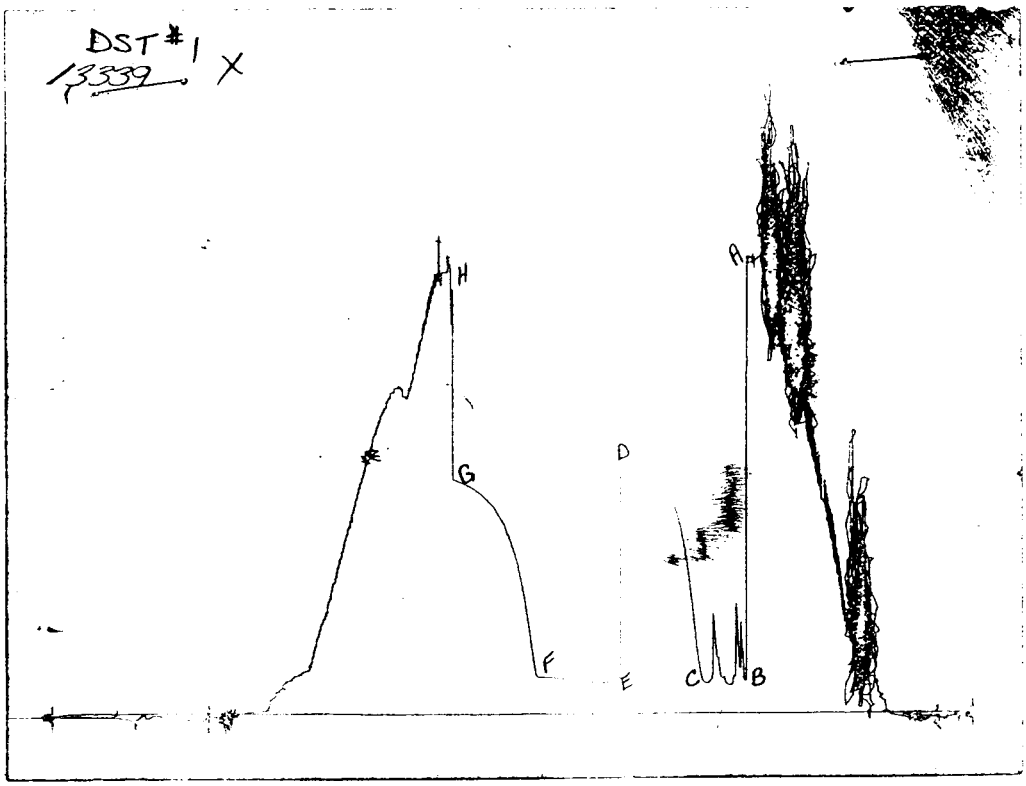
BHT 120 °F | Gravity °API | @ °F Corrected Gravity °API

RW 0.3 @ 65 °F | Chlorides 25000 ppm Recovery | Chlorides 1500 ppm System

(A) Initial Hydrostatic Mud	2401.7 PSI	AK1 Recorder No. 13309	Range 4700
(B) First Initial Flow Pressure	143.4 PSI	@ (depth) 4975	w / Clock No. 26992
(C) First Final Flow Pressure	153.8 PSI	AK1 Recorder No. 13339	Range 4025
(D) Initial Shut-in Pressure	1329.2 PSI	@ (depth) 4980	w / Clock No. 19960
(E) Second Initial Flow Pressure	181.8 PSI	AK1 Recorder No.	Range
(F) Second Final Flow Pressure	206.8 PSI	@ (depth)	w / Clock No.
(G) Final Shut-in Pressure	1240.8 PSI	Initial Opening 30	Final Flow 60
(H) Final Hydrostatic Mud	2343.6 PSI	Initial Shut-in 60	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	2413	2401.7
(B) FIRST INITIAL FLOW PRESSURE	145	143.4
(C) FIRST FINAL FLOW PRESSURE	155	153.8
(D) INITIAL CLOSED-IN PRESSURE	1341	1329.2
(E) SECOND INITIAL FLOW PRESSURE	166	181.8
(F) SECOND FINAL FLOW PRESSURE	197	206.8
(G) FINAL CLOSED-IN PRESSURE	1240	1240.8
(H) FINAL HYDROSTATIC MUD	2343	2343.6

CALCULATED RECOVERY ANALYSIS

DST 1 TICKET # 6812

SAMPLE #	TOTAL FEET	GAS %	GAS FEET	OIL %	OIL FEET	WATER %	WATER FEET	MUD %	MUD FEET
DRILL 1	19	30	5.7	70	13.3	0	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	1	30	0.3	70	0.7	0	0	0	0
COLLAR 2	165	25	41.25	35	57.75	0	0	40	66
3	120	10	12	25	30	5	6	60	72
4	120	20	24	0	0	20	24	60	72
5			0		0		0		0
TOTAL	425		83.25		101.75		30		210

			HRS OPEN	BBL/DAY
BBL OIL=	0.6216465	*	1.5	9.946344
BBL WATER=	0.1467	*		2.3472
BBL MUD=	1.0269			
BBL GAS =	0.4602735