TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name TRIPLE R. FARMS #1 Test No. 1 Date 2/3/93

Company CLINTON PRODUCERS INC Zone MISS

Address 330 N ARMOUR WICHITA KS 67206 Elevation 1665

Co. Rep./Geo. KEVIN DAVIS Cont. STERLING DRLG RIG #4 Est. Ft. of Pay 6

Location: Sec. 25 Twp. 24S Rge. 9W Co. RENO State KS

Interval Tested 3808-3825 Drill Pipe Size 4.5" XH

Anchor Length 17 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 3803 Drill Collar – 2.25 Ft. Run 435

Bottom Packer Depth 3808 Mud Wt. 9.1 lb/Gal.

Total Depth 3825 Viscosity 49 Filtrate 9.6

Tool Open @ 3:35 PM Initial Blow WEAK-BUILDING TO 10" FAIR BLOW

Final Blow WEAK-BUILDING TO 1.5"

Recovery - Total Feet 124 Flush Tool?

Rec. 372 Feet of GAS IN PIPE

Rec. Feet of

Rec. 62 Feet of SLTLY OIL CUT MUD- 2% OIL / 98% MUD

Rec. 62 Feet of MUDDY WATER-80% WTR / 20% MUD

Rec. Feet of

BHT 120 °F Gravity °API @ °F Corrected Gravity 34 °API

RW 0.12 @ 80 °F Chlorides 56000 ppm Recovery Chlorides 7500 ppm System

(A) Initial Hydrostatic Mud 2028.6 PSI AK1 Recorder No. 7437 Range 4200

(B) First Initial Flow Pressure 32.0 PSI @ (depth) 3812 w / Clock No. 8179

(C) First Final Flow Pressure 52.4 PSI AK1 Recorder No. 13615 Range 4575

(D) Initial Shut-in Pressure 1103.6 PSI @ (depth) 3821 w / Clock No. 8376

(E) Second Initial Flow Pressure 85.2 PSI AK1 Recorder No. Range

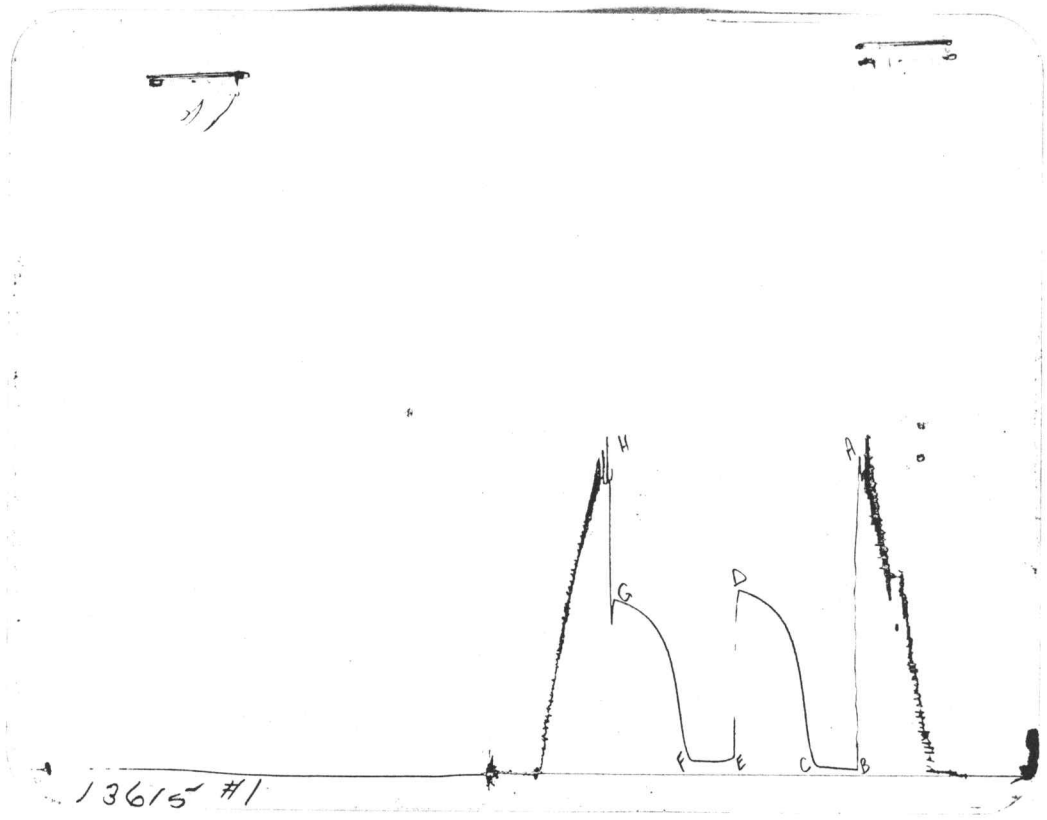
(F) Second Final Flow Pressure 85.2 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 1049.8 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 1943.4 PSI Initial Shut-in 60 Final Shut-in 60

Our Representative DAN BANGLE

CHART PAGE



This is an actual photograph of recorder chart

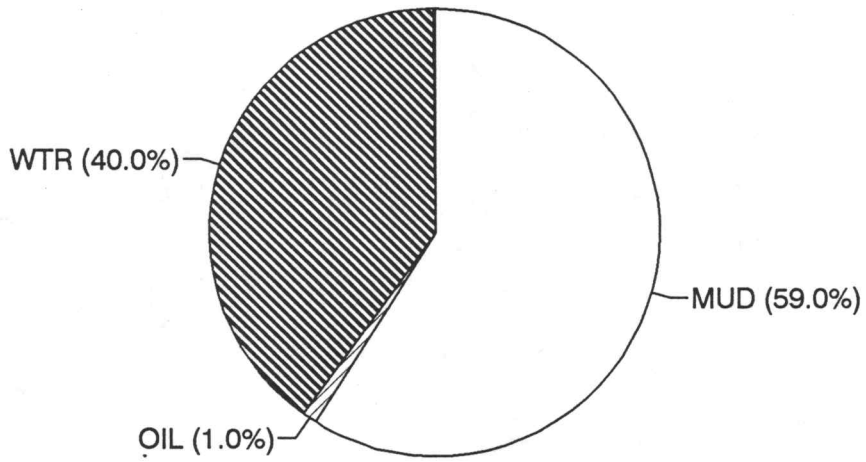
	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2030	2028.6
(B) FIRST INITIAL FLOW PRESSURE	23	32
(C) FIRST FINAL FLOW PRESSURE	56	52.4
(D) INITIAL CLOSED-IN PRESSURE	1092	1103.6
(E) SECOND INITIAL FLOW PRESSURE	56	85.2
(F) SECOND FINAL FLOW PRESSURE	56	85.2
(G) FINAL CLOSED-IN PRESSURE	1034	1049.8
(H) FINAL HYDROSTATIC MUD	1940	1943.4

DST # 1 TICKET 5870

SAMPLE #	TOTAL FEET	GAS %	GAS FEET	OIL %	OIL FEET	WATER %	WATER FEET	MUD %	MUD FEET
1	62	0	0	2	1.24	0	0	98	60.76
2	62	0	0	0	0	80	49.6	20	12.4
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	124	0.00	0	1.00	1.24	40.00	49.6	59	73.16

			HRS OP	BBL/DAY
BBL OIL=	0.0060636	*	1	0.1455264
BBL WATER=	0.242544	*		5.821056
BBL MUD=	0.3577524			
BBL GAS=	0			

MUD
OIL
WTR
WTR



COMPUTER EVALUATION BY TRILOBITE TESTING, L.L.C.

CLINTON PRODUCERS IN TRIPLE R. FARMS #1 DST 1

25 24S 9W RENO KS

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ELEVATION:	1665	KB	EST. PAY	6	FT
DATUM:	-2157		ZONE TESTED:	MISS	
TEST INTERVAL:	3808-3825		TIME INTERVALS:	30-60-30-60	
RECORDER DEPTH:	3821		VISCOSITY:	6.174	CP
BOTTOM HOLE TEMP:	120		HOLE SIZE:	7.875	IN

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CUBIC FEET OF GAS IN PIPE:	13.43			
TOTAL FEET OF RECOVERY:	124.00	CORRECTED PIPE FILLUP:	230.270	
TOTAL BARRELS OF RECOVERY:	0.61	CORR. BARRELS OF RECOVERY:	1.125	BBL
BARRELS IN DRILL PIPE:	0.00	API GRAVITY:	34	
BARRELS IN WEIGHT PIPE:	0.00	FLUID GRADIENT:	0.370	
BARRELS IN DRILL COLLARS:	0.61			
GAS OIL RATIO:	22.1424	CU.FT/BBL		
BUBBLE POINT PRESSURE:	178.845			
UNCORRECTED INITIAL PRODUCTION:			14.55	BBL
INITIAL PRODUCTION CORRECTED TO FINAL FLOW PRESSURE:			26.99	BBL/DAY
INITIAL PRODUCTION CORRECTED TO PSEUDO STEADY FLOW STATE:			1.198	

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INITIAL SLOPE	1087.39	PSI/CYCLE	FINAL SLOPE	672.50	PSI/CYCLE
INITIAL P*	1295	PSI	FINAL P*	1252	PSI

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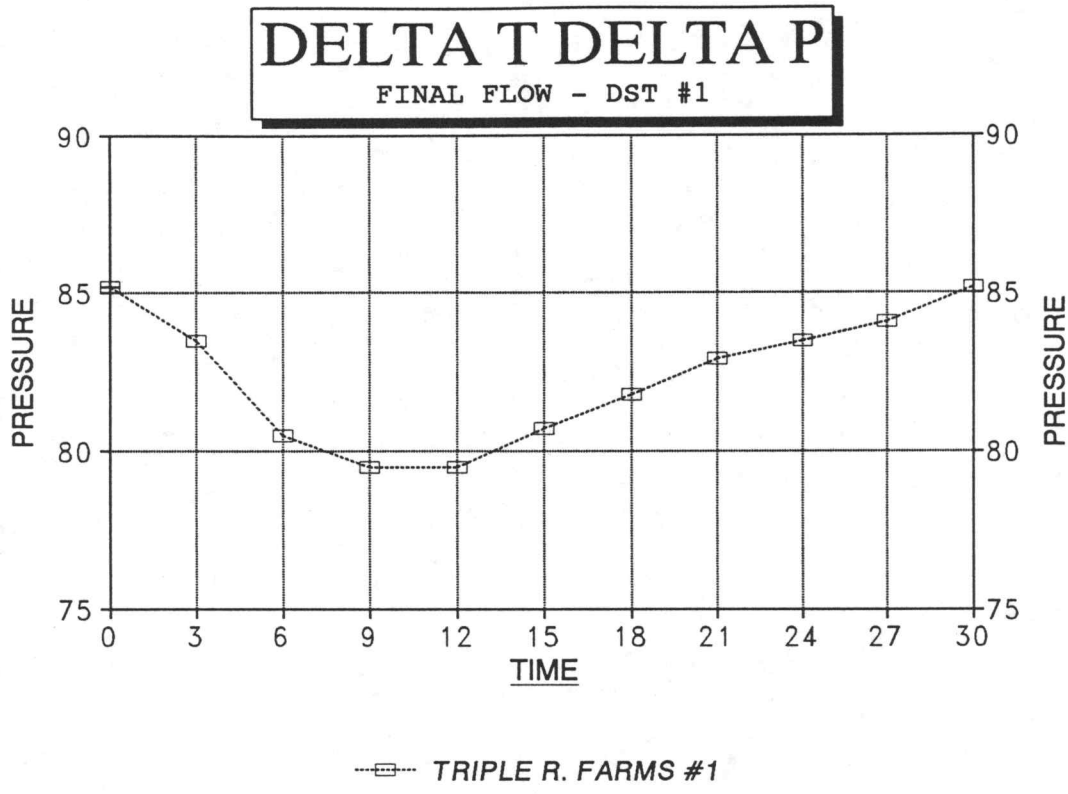
TRANSMISSIBILITY	6.53	(MD.-FT./CP.)
PERMEABILITY	6.72	(MD.)
INDICATED FLOW CAPACITY	40.30	)MD.FT)
PRODUCTIVITY INDEX	0.01	(BARRELS/DAY/PSI)
DAMAGE RATIO	0.32	
RADIUS OF INVESTIGATION	20.07	(FT,)
POTENTIOMETRIC SURFACE	747.95	(FT.)
DRAWDOWN FACTOR	3.308	(%)

FINAL FLOW

RECORDER # 13615 DST # 1

TIME(MIN)	PRESSURE	<> PRESSURE
0	85.2	85.2
3	83.5	-1.7
6	80.5	-3
9	79.5	-1
12	79.5	0
15	80.7	1.2
18	81.8	1.1
21	82.9	1.1
24	83.5	0.6
27	84.1	0.6
30	85.2	1.1



INITIAL PRODUCTION CORRECTED TO PSEUDO STEADY FLOW STATE: 1.198

TRIPLE R FARMS DST #1
INITIAL SHUTIN

30 TOTAL FLOW TIME

Slope 1087.39 psi/cycle
P * 1295 psi

	TIME(MIN)	Pws (psi)	Log . Horn T	<> PRESSURE	Horn T
	6	148.9	0.778	148.9	6
	12	437.3	0.544	288.4	4
	18	721.7	0.426	284.4	3
	24	861.3	0.352	139.6	2
	30	947.6	0.301	86.3	2
	36	1000.4	0.263	52.8	2
	42	1036.0	0.234	35.6	2
X	48	1065.8	0.211	29.8	2
	54	1085.2	0.192	19.4	2
X	60	1103.6	0.176	18.4	2

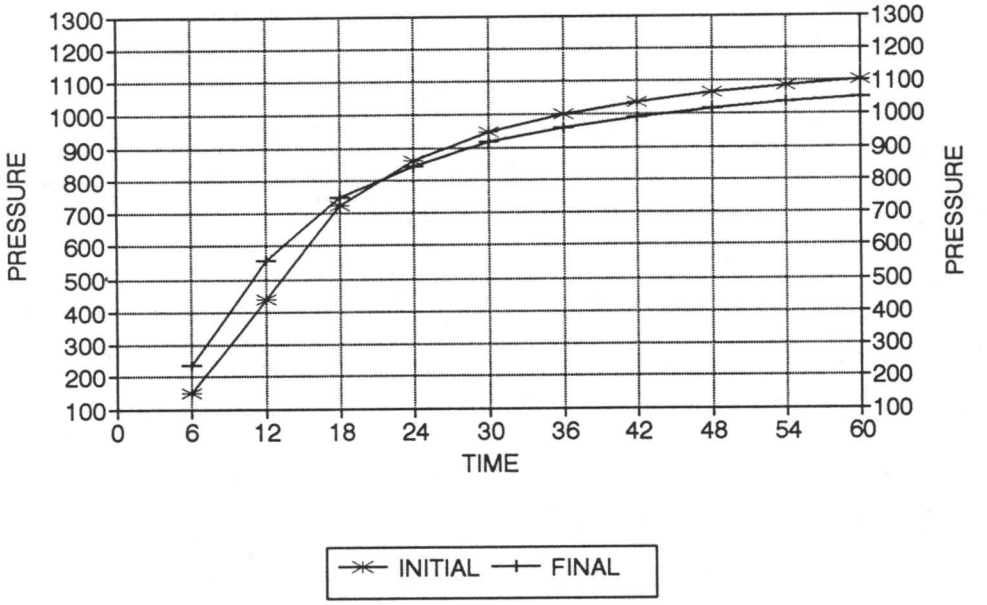
TRIPLE R FARMS DST #1
FINAL SHUTIN

60 TOTAL FLOW TIME

Slope 672.50 psi/cycle
P * 1252 psi

		Pws (psi)	Log Horn T	<> PRESSURE	Horn T
	6	236.9	1.041	236.9	11
	12	556.3	0.778	319.4	6
	18	747.1	0.637	190.8	4
	24	845.2	0.544	98.1	4
	30	916.6	0.477	71.4	3
	36	959.1	0.426	42.5	3
	42	992.4	0.385	33.3	2
X	48	1015.4	0.352	23.0	2
	54	1034.9	0.325	19.5	2
X	60	1049.8	0.301	14.9	2

TRIPLE R. FARMS #1 / DST #1
DELTA T DELTA P



HORNER PLOT