TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name REIN 'G' #17 Test No. 1 Date 6/11/94

Company OXY USA, INC. Zone ARBUCKLE

Address 110 S. MAIN WICHITA KS 67202 Elevation 1739

Co. Rep./Geo. GARY WAGNER Cont. DUKE #4 Est. Ft. of Pay

Location: Sec. 8 Twp. 15S Rge. 13W Co. RUSSELL State KS

Interval Tested 3150-3185

Anchor Length 35

Top Packer Depth 3145

Bottom Packer Depth 3150

Total Depth 3185

Drill Pipe Size 4.5" XH

Wt. Pipe I.D. - 2.7 Ft. Run

Drill Collar – 2.25 Ft. Run

Mud Wt. 9.7 lb/Gal.

Viscosity 42 Filtrate 12.8

Tool Open @ 3:39 PM Initial Blow WEAK - DIED IN 20 MINUTES

Final Blow NO BLOW

Recovery - Total Feet 5 Flush Tool? NO

Rec. 5 Feet of DRILLING MUD WITH SHOW OF OIL IN TOOL

Rec. Feet of

Rec. Feet of

Rec. Feet of

Rec. Feet of

BHT 109 °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides 7000 ppm System

(A) Initial Hydrostatic Mud 1502.3 PSI AK1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure 36.1 PSI @ (depth) 3154 w / Clock No. 27567

(C) First Final Flow Pressure 36.1 PSI AK1 Recorder No. 13849 Range 4375

(D) Initial Shut-in Pressure 57.2 PSI @ (depth) 3181 w / Clock No. 27501

(E) Second Initial Flow Pressure 36.1 PSI AK1 Recorder No. Range

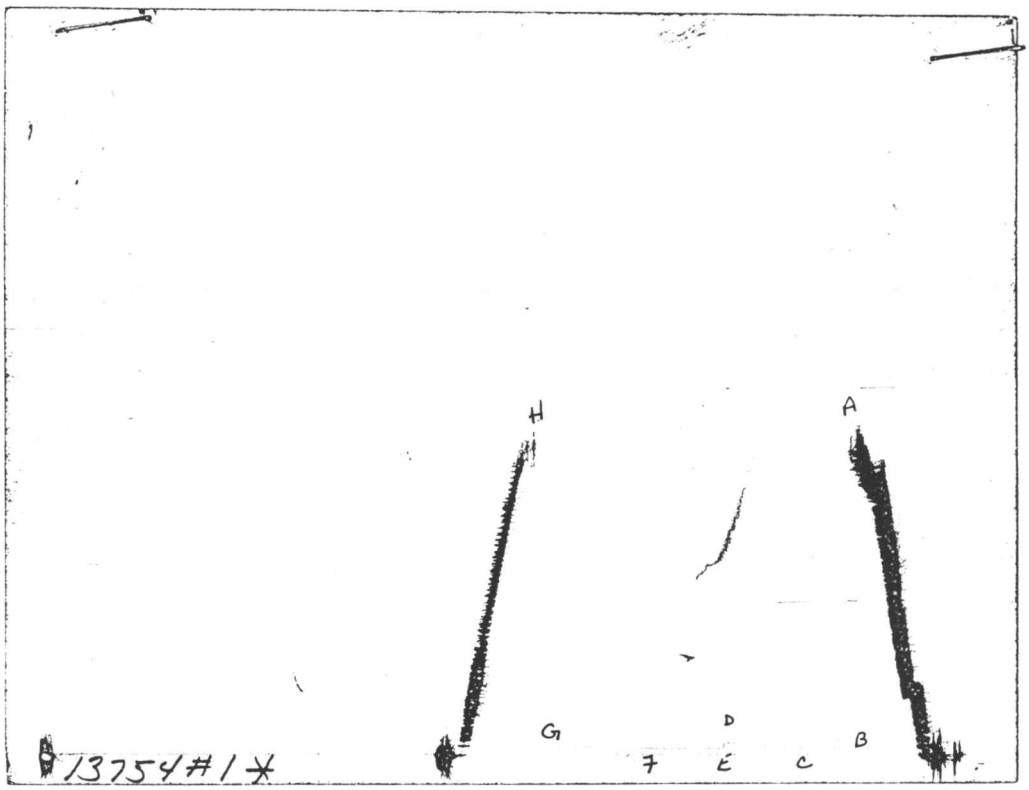
(F) Second Final Flow Pressure 36.1 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 45.9 PSI Initial Opening 30 Final Flow 45

(H) Final Hydrostatic Mud 1469.3 PSI Initial Shut-in 60 Final Shut-in 90

Our Representative DAN BANGLE

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1496	1502.3
(B) FIRST INITIAL FLOW PRESSURE	39	36.1
(C) FIRST FINAL FLOW PRESSURE	39	36.1
(D) INITIAL CLOSED-IN PRESSURE	59	57.2
(E) SECOND INITIAL FLOW PRESSURE	39	36.1
(F) SECOND FINAL FLOW PRESSURE	39	36.1
(G) FINAL CLOSED-IN PRESSURE	49	45.9
(H) FINAL HYDROSTATIC MUD	1466	1469.3

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Drill-Stem Test Data

Well Name REIN 'G' #17 Test No. 2 Date 6/12/94

Company OXY USA, INC. Zone ARBUCKLE

Address 110 S. MAIN WICHITA KS 67202 Elevation 1739

Co. Rep./Geo. GARY WAGNER Cont. DUKE #4 Est. Ft. of Pay 12

Location: Sec. 8 Twp. 15S Rge. 13W Co. RUSSELL State KS

Interval Tested 3150-3192

Anchor Length 42

Top Packer Depth 3145

Bottom Packer Depth 3150

Total Depth 3192

Drill Pipe Size 4.5" XH

Wt. Pipe I.D. - 2.7 Ft. Run

Drill Collar – 2.25 Ft. Run

Mud Wt. 9.7 lb/Gal.

Viscosity 42 Filtrate 12.8

Tool Open @ 3:35AM Initial Blow WEAK - BUILDING TO 5 1/2"

Final Blow WEAK - BUILDING TO 6"

Recovery - Total Feet 90 Flush Tool? NO

Rec. 60 Feet of GAS IN PIPE

Rec. 60 Feet of CLEAN GASSY OIL 10%GAS/90%OIL

Rec. 30 Feet of OIL CUT GASSY MUD 10%GAS/30%OIL/60%MUD

Rec. Feet of

Rec. Feet of

BHT 105 °F Gravity °API @ °F Corrected Gravity 34 °API

RW @ °F Chlorides ppm Recovery Chlorides 7000 ppm System

(A) Initial Hydrostatic Mud 1540.6 PSI AK1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure 46.2 PSI @ (depth) 3154 w / Clock No. 27567

(C) First Final Flow Pressure 43.3 PSI AK1 Recorder No. 13849 Range 4375

(D) Initial Shut-in Pressure 911.1 PSI @ (depth) 3189 w / Clock No. 27501

(E) Second Initial Flow Pressure 63.9 PSI AK1 Recorder No. Range

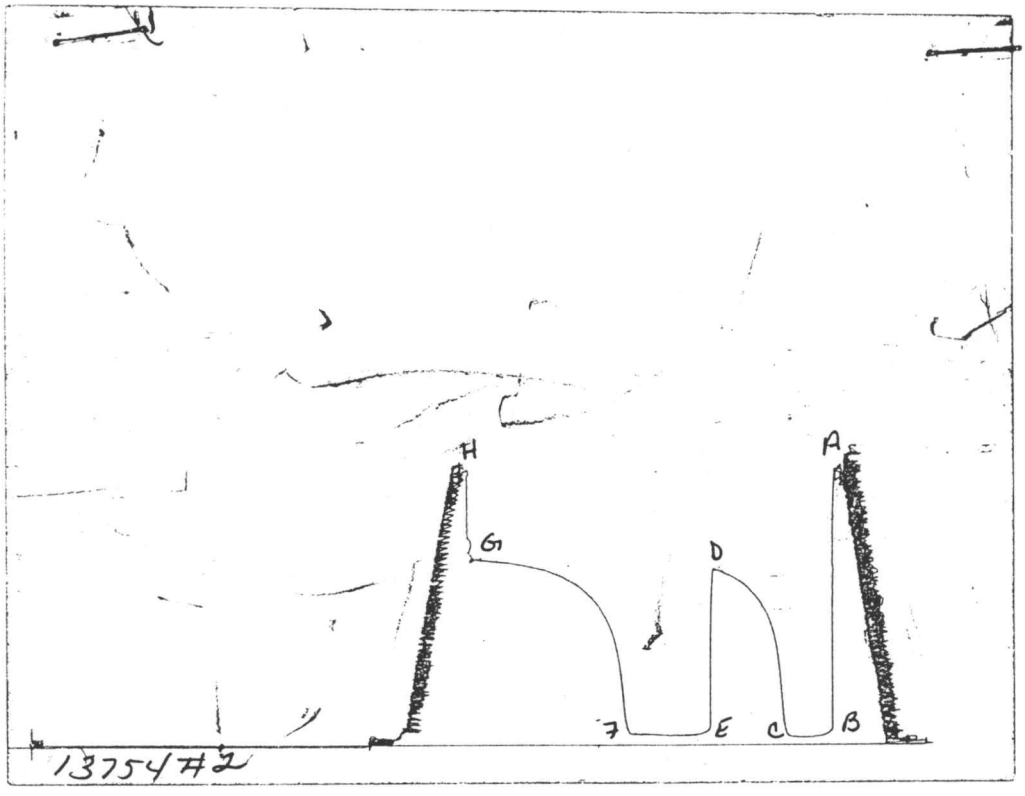
(F) Second Final Flow Pressure 57.1 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 958.4 PSI Initial Opening 30 Final Flow 60

(H) Final Hydrostatic Mud 1471.2 PSI Initial Shut-in 60 Final Shut-in 120

Our Representative DAN BANGLE

CHART PAGE



This is an actual photograph of recorder chart

		FIELD READING	OFFICE READING
(A)	INITIAL HYDROSTATIC MUD	1536	1540.6
(B)	FIRST INITIAL FLOW PRESSURE	49	46.2
(C)	FIRST FINAL FLOW PRESSURE	49	43.3
(D)	INITIAL CLOSED-IN PRESSURE	907	911.1
(E)	SECOND INITIAL FLOW PRESSURE	59	63.9
(F)	SECOND FINAL FLOW PRESSURE	59	57.1
(G)	FINAL CLOSED-IN PRESSURE	966	958.4
(H)	FINAL HYDROSTATIC MUD	1466	1471.2

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

OXY USA, INC.

REIN 'G' #17 DST 2

8 15S 13W RUSSELL KS

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ELEVATION:	1739 KB	EST. PAY	12 FT
DATUM:	-1416	ZONE TESTED:	ARBUCKLE
TEST INTERVAL:	3150-3192	TIME INTERVALS:	30-60-60-120
RECORDER DEPTH:	3154	VISCOSITY:	11.32 CP
BOTTOM HOLE TEMP:	105	HOLE SIZE:	7.875 IN

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CUBIC FEET OF GAS IN PIPE:	5		
TOTAL FEET OF RECOVERY:	90.00	CORRECTED PIPE FILLUP:	154.324
TOTAL BARRELS OF RECOVERY:	1.28	CORR. BARRELS OF RECOVERY:	2.194 BBL
BARRELS IN DRILL PIPE:	1.28	API GRAVITY:	34
BARRELS IN WEIGHT PIPE:	0.00	FLUID GRADIENT:	0.370
BARRELS IN DRILL COLLARS:	0.00		
GAS OIL RATIO:	3.74 CU.FT/BBL		
BUBBLE POINT PRESSURE:	39		
UNCORRECTED INITIAL PRODUCTION:			20.48 BBL
INITIAL PRODUCTION CORRECTED TO FINAL FLOW PRESSURE:			35.11 BBL/DAY
INITIAL PRODUCTION CORRECTED TO PSEUDO STEADY FLOW STATE:			10.690

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INITIAL SLOPE	804.84315 PSI/CYCL	FINAL SLOPE	375.112809 PSI/CYCLE
INITIAL P*	1058.90 PSI	FINAL P*	1051.34713 PSI

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TRANSMISSIBILITY	15.22	(MD.-FT./CP.)
PERMEABILITY	14.36	(MD.)
INDICATED FLOW CAPACITY	172.29	(MD.FT)
PRODUCTIVITY INDEX	0.02	(BARREL/DAY/PSI)
DAMAGE RATIO	0.49	
RADIUS OF INVESTIGATION	35.95	(FT,)
POTENTIOMETRIC SURFACE	1023.07	(FT.)
DRAWDOWN FACTOR	0.714	(%)

INITIAL FLOW

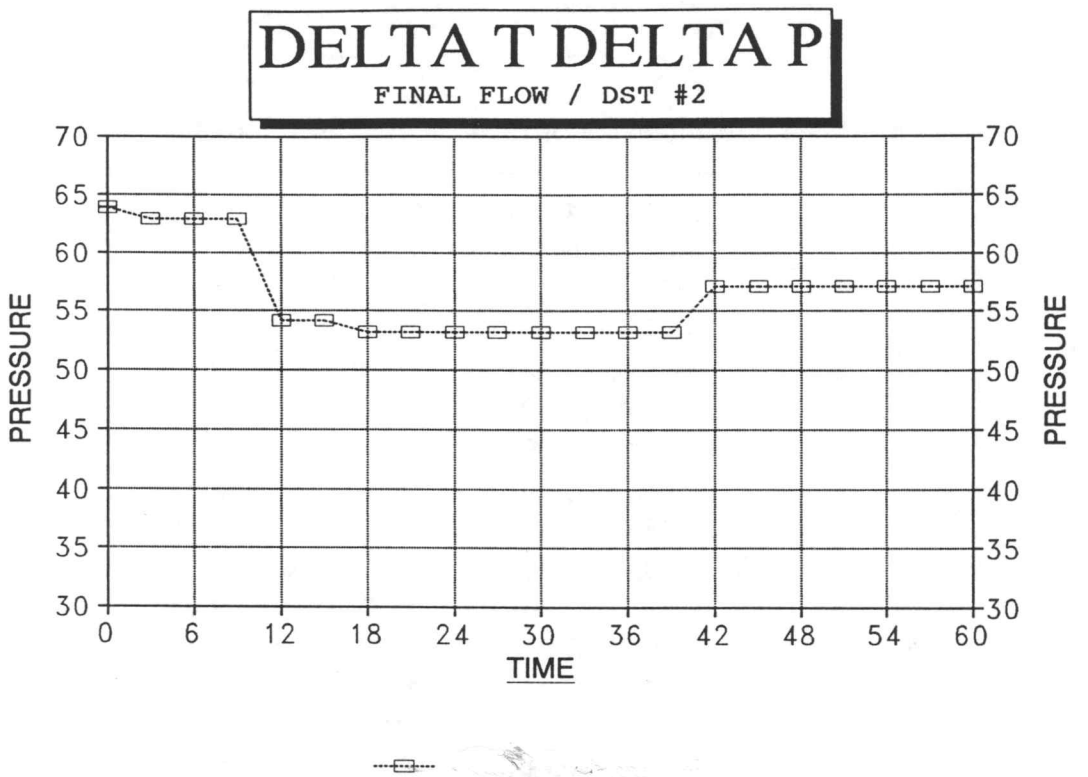
RECORDER 13754 DST # 2

TIME(MIN)	PRESSURE	<>PRESSURE
0	46.2	46.2
3	46.2	0.0
6	46.2	0.0
9	46.2	0.0
12	46.2	0.0
15	43.3	-2.9
18	43.3	0.0
21	43.3	0.0
24	43.3	0.0
27	43.3	0.0
30	43.3	0.0

FINAL FLOW

RECORDER 13754 DST # 2

TIME(MIN)	PRESSURE	<> PRESSURE
0	63.9	63.9
3	62.9	-1.0
6	62.9	0.0
9	62.9	0.0
12	54.1	-8.8
15	54.1	0.0
18	53.1	-1.0
21	53.1	0.0
24	53.1	0.0
27	53.1	0.0
30	53.1	0.0
33	53.1	0.0
36	53.1	0.0
39	53.1	0.0
42	57.1	4.0
45	57.1	0.0
48	57.1	0.0
51	57.1	0.0
54	57.1	0.0
57	57.1	0.0
60	57.1	0.0



INITIAL PRODUCTION CORRECTED TO PSEUDO STEADY FLOW STATE: 10.690

REIN 'G' #17 DST #2
INITIAL SHUTIN

30 INITIAL FLOW TIME

SLOPE 804.8 PSI/CYCLE
P* 1058.90 PSI

	TIME(MIN)	Pws (psi)	Log Horn T	<> PRESSURE	Horn T
	3	221.4	1.041	221.4	11
	6	253.9	0.778	32.5	6
	9	564.2	0.637	310.3	4
	12	625.4	0.544	61.2	4
	15	680.8	0.477	55.4	3
	18	712.4	0.426	31.6	3
	21	745.1	0.385	32.7	2
	24	773.7	0.352	28.6	2
	27	793.4	0.325	19.7	2
	30	813.2	0.301	19.8	2
	33	832.1	0.281	18.9	2
	36	845.8	0.263	13.7	2
	39	857.7	0.248	11.9	2
	42	870.5	0.234	12.8	2
	45	880.4	0.222	9.9	2
	48	889.3	0.211	8.9	2
X	51	897.2	0.201	7.9	2
	54	904.1	0.192	6.9	2
X	57	911.1	0.184	7.0	2

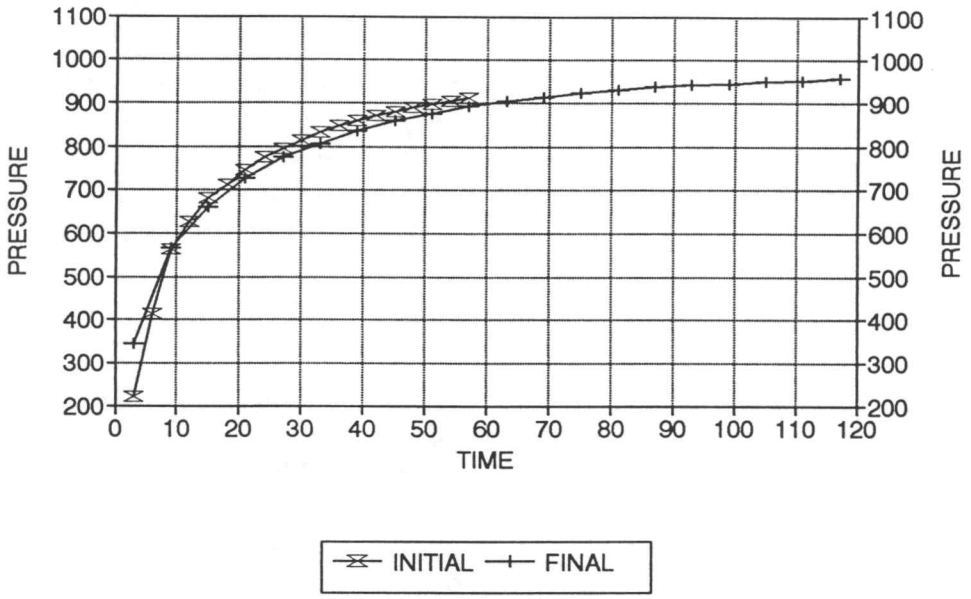
RÉIN 'G' #17
FINAL

DST #2
SHUTIN
90 TOTAL FLOW TIME

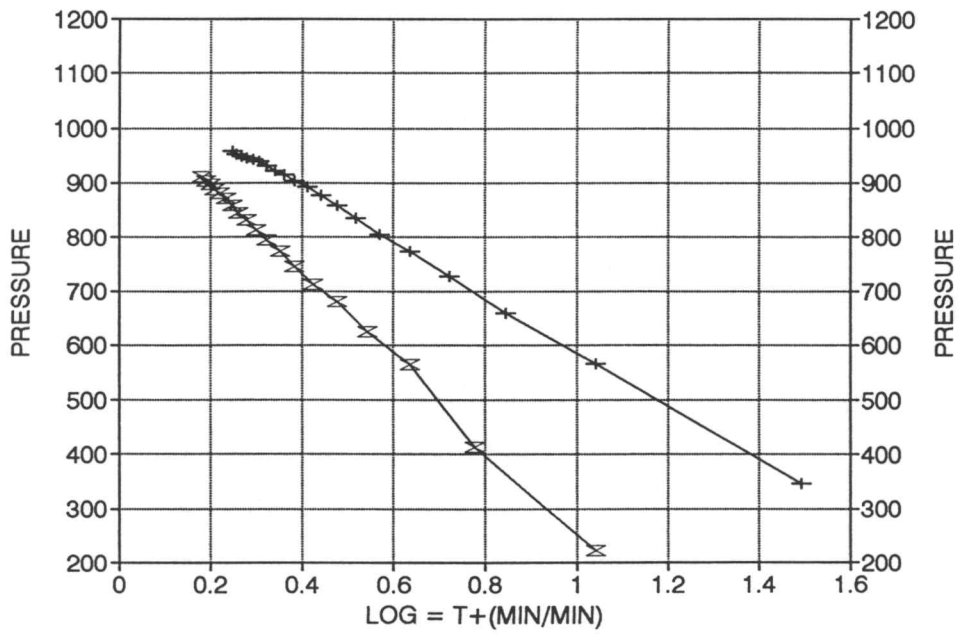
SLOPE				375.1	PSI/CYCLE
P*				1051.3	PSI

			Log Horn T	<> PRESSURE	Horn T
	3	346.4	1.491	346.4	31
	9	566.2	1.041	219.8	11
	15	660.1	0.845	93.9	7
	21	727.2	0.723	67.1	5
	27	773.7	0.637	46.5	4
	33	805.3	0.571	31.6	4
	39	835.9	0.520	30.6	3
	45	857.7	0.477	21.8	3
	51	876.4	0.442	18.7	3
	57	891.3	0.411	14.9	3
	63	904.1	0.385	12.8	2
	69	914.1	0.363	10.0	2
X	75	922.9	0.342	8.8	2
	81	931.8	0.325	8.9	2
	87	938.7	0.308	6.9	2
	93	943.6	0.294	4.9	2
	99	945.6	0.281	2.0	2
	105	949.6	0.269	4.0	2
	111	953.5	0.258	3.9	2
X	117	958.4	0.248	4.9	2

REIN 'G' #17 / DST #2
DELTA T DELTA P



HORNER PLOT



CALCULATED RECOVERY ANALYSIS DRILL PIPE

DST # 2 TICKET 6878

SAMPLE	TOTAL	GAS		OIL		WATER		MUD	
#	FEET	%	FEET	%	FEET	%	FEET	%	FEET
1	60	100	60		0	0	0	0	0
2	60	10	6	90	54	0	0		0
3	30	10	3	30	9		0	60	18
4			0		0		0		0
5			0		0		0		0
6			0		0		0		0
TOTAL	150	46	69	42	63	0	0	12	18

			HRS	BBL/DAY
BBL OIL=	0.89586	*	1.5	14.334
BBL WATER=	0	*		0
BBL MUD=	0.25596			
BBL GAS	0.98118