TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name BARTOS A-6 Test No. 1 Date 8/24/92

Company OXY USA INC Zone ARBUCKLE

Address BOX 26100 OKLAHOMA CITY OK 73126-0100 Elevation 2210

Co. Rep./Geo. STEVE DAVIS Cont. ABERCROMBIE RIG #4 Est. Ft. of Pay

Location: Sec. 27 Twp. 9S Rge. 19W Co. ROOKS State KS

Interval Tested 3625-3630

Anchor Length 5

Top Packer Depth 3620

Bottom Packer Depth 3625

Total Depth 3630

Drill Pipe Size 4.5 XH

Wt. Pipe I.D. - 2.7 Ft. Run 569

Drill Collar – 2.25 Ft. Run

Mud Wt. 8.9 lb/Gal.

Viscosity 46 Filtrate 9.2

Tool Open @ 7:34 PM Initial Blow WEAK 1/2" BLOW BUILDING TO 6"

Final Blow VERY WEAK SURFACE BLOW BUILDING TO 12"

Recovery - Total Feet 280 Flush Tool? NO

Rec. 120 Feet of GAS IN PIPE

Rec. 230 Feet of CLEAN GASSY OIL-5%GAS/95%OIL

Rec. 50 Feet of HEAVY OIL CUT MUD-45%OIL/55%MUD

Rec. Feet of

Rec. Feet of

BHT 105 °F Gravity 26 °API @ 80 °F Corrected Gravity 24 °API

RW @ °F Chlorides ppm Recovery Chlorides 3000 ppm System

(A) Initial Hydrostatic Mud 1770.5 PSI AK1 Recorder No. 11058 Range 4500

(B) First Initial Flow Pressure 47.5 PSI @ (depth) 3620 w / Clock No. 30401

(C) First Final Flow Pressure 64.0 PSI AK1 Recorder No. 24174 Range 3050

(D) Initial Shut-in Pressure 1107.6 PSI @ (depth) 3629 w / Clock No. 27501

(E) Second Initial Flow Pressure 82.2 PSI AK1 Recorder No. Range

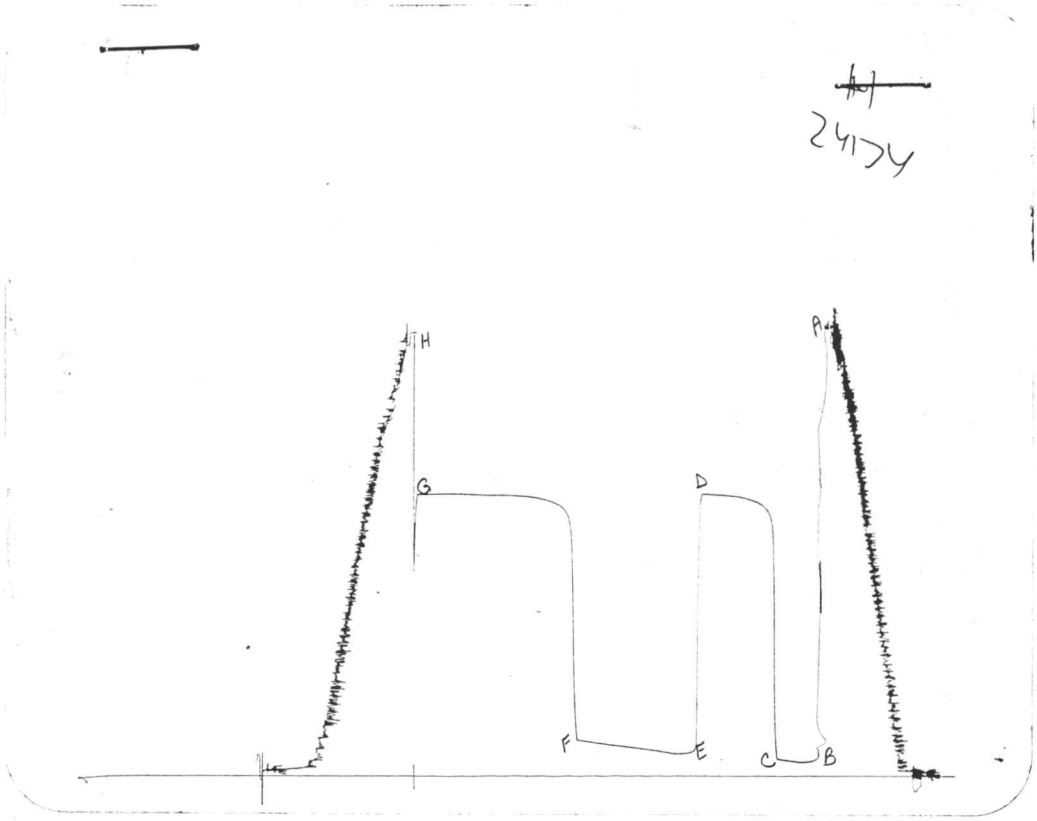
(F) Second Final Flow Pressure 132.2 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 1112.1 PSI Initial Opening 30 Final Flow 90

(H) Final Hydrostatic Mud 1744.6 PSI Initial Shut-in 60 Final Shut-in 120

Our Representative PAUL SIMPSON

CHART PAGE



This is an actual photograph of recorder chart

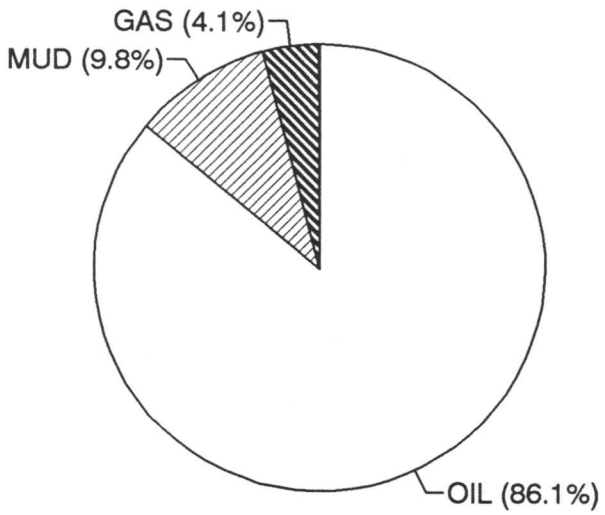
	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1765	1770.5
(B) FIRST INITIAL FLOW PRESSURE	44	47.5
(C) FIRST FINAL FLOW PRESSURE	67	64
(D) INITIAL CLOSED-IN PRESSURE	1100	1107.6
(E) SECOND INITIAL FLOW PRESSURE	74	82.2
(F) SECOND FINAL FLOW PRESSURE	142	132.2
(G) FINAL CLOSED-IN PRESSURE	1100	1112.1
(H) FINAL HYDROSTATIC MUD	1742	1744.6

CALCULATED RECOVERY ANALYSIS WEIGHT PIPE

DST # 1 TICKET # 5208

SAMPLE	TOTAL		GAS		OIL		WATER		MUD
#	FEET	%	FEET	%	FEET	%	FEET	%	FEET
1	230	5	11.5	95	218.5	0	0	0	0
2	50	0	0	45	22.5	0	0	55	27.5
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	280	4.107	11.5	86.071429	241	0	0	9.8214	27.5

			HRS OPEN	BBL/DAY
BBL OIL=	1.687	*	2	20.244
BBL WATER=	0	*		0
BBL MUD=	0.1925			
BBL GAS=	0.0805			



BARTOS A-6 DST #1
INITIAL SHUTIN

30 TOTAL FLOW TIME

Slope 179.97 psi/cycle
p * 1140 psi

	TIME(MIN)	Pws (psi)	Log Horn T	<> PRESSURE	Horn T
	3.8	117.4	0.949	117.4	9
	5	875.3	0.845	757.9	7
	5.3	919.0	0.823	43.7	7
	5.4	971.0	0.817	52.0	7
	10.1	1035.7	0.599	64.7	4
	12.3	1053.2	0.536	17.5	3
	16.2	1068.9	0.455	15.7	3
	20.4	1077.8	0.393	8.9	2
	26	1087.3	0.333	9.5	2
	35.3	1098.0	0.267	10.7	2
	42.2	1099.7	0.233	1.7	2
X	47	1101.6	0.214	1.9	2
	52.6	1105.0	0.196	3.4	2
	55.1	1106.3	0.189	1.3	2
X	58	1107.6	0.181	1.3	2

BARTOS A-6 DST #1
FINAL SHUTIN

120 TOTAL FLOW TIME

Slope 28.34 psi/cycle
p * 1121 psi

		Pws (psi)	Log Horn T	<> PRESSURE	Horn T
	2	266.1	1.785	266.1	61
	3.5	439.8	1.548	173.7	35
	5	716.8	1.398	277.0	25
	5.5	889.8	1.358	173.0	23
	5.9	994.7	1.329	104.9	21
	9.6	1036.5	1.130	41.8	14
	17.9	1068.8	0.887	32.3	8
	28.7	1088.6	0.714	19.8	5
	41.5	1097.5	0.590	8.9	4
	58.1	1101.5	0.486	4.0	3
	69.2	1104.4	0.437	2.9	3
X	84.8	1110.0	0.383	5.6	2
	95.5	1111.4	0.353	1.4	2
	104.5	1111.5	0.332	0.1	2
X	115.8	1112.1	0.309	0.6	2

INITIAL FLOW

RECORDER # 24174 DST # 1

TIME(MIN)	PRESSURE	<>PRESSURE
8.1	47.5	47.5
15	47	-0.5
21.6	47.2	0.2
26.5	54.4	7.2
31	64	9.6

FINAL FLOW

RECORDER # 24174 DST # 1

TIME(MIN)	PRESSURE	<> PRESSURE
9.1	82.2	82.2
15	79.4	-2.8
24.8	82.5	3.1
42.7	95.5	13
57.4	105.1	9.6
72.2	112.3	7.2
84.8	121.2	8.9
90.6	132.2	11

Y1OF1E1F100Ds64W@'044HH_zF1 42Es184W

184p2h10s16.66H

8.16688	47.57148	1
15.0486	47.00942	1
21.64586	47.23634	1
26.54236	54.4933	1
31.01535	64.08202	1
33.89288	117.4454	2
35.06043	875.3856	2
35.32878	919.0081	2
35.47791	971.0629	2
40.10878	1035.769	2
42.30978	1053.2	2
46.2268	1068.959	2
50.41085	1077.806	2
56.03079	1087.301	2
65.38271	1098.022	2
72.27108	1099.757	2
77.00887	1101.667	2
82.61124	1105.038	2
85.19626	1106.358	2
88.06805	1107.655	2
99.18402	82.25089	3
105.0556	79.47427	3
114.8157	82.50565	3
132.7786	95.58669	3
147.4331	105.1094	3
162.2243	112.324	3
174.8694	121.2454	3
180.637	132.2597	3
182.0244	266.1424	4
183.5258	439.832	4
185.0365	716.8892	4
185.5322	889.895	4
185.976	994.7588	4
189.6809	1036.569	4
197.9473	1068.819	4
208.7592	1088.609	4
221.5477	1097.519	4
238.1939	1101.519	4
249.2444	1104.445	4
264.8914	1110.058	4
275.5073	1111.489	4
284.5419	1111.516	4
~~289.7097~~	~~1113.391~~	~~4~~
295.8725	1112.122	4