

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name #2 WEIDE #25-1 Test No. 1 Date 5/26/92
Company KODIAK PETROLEUM INC. Zone UPR CHEROKEE
Address 44 INVERNESS DR. E., ENGLEWOOD CO 80112 Elevation 2213
Co. Rep./Geo. CHARLEY COOK Cont. DUKE DRLG #1 Est. Ft. of Pay _____
Location: Sec. 25 Twp. 20S Rge. 20W Co. PAWNEE State KS

Interval Tested 4201-4220
Anchor Length 19
Top Packer Depth 4196
Bottom Packer Depth 4201
Total Depth 4220

Drill Pipe Size 4.5 FH
Wt. Pipe I.D. - 2.7 Ft. Run 631
Drill Collar - 2.25 Ft. Run _____
Mud Wt. 8.9 lb/Gal.
Viscosity 44 Filtrate 10.4

Tool Open @ 6:08 PM Initial Blow WEAK SURFACE BLOW

Final Blow NO BLOW

Recovery - Total Feet 2 Flush Tool? NO

Rec. 2 Feet of DRILLING MUD W/ NO SHOW
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 114 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 7000 ppm System

(A) Initial Hydrostatic Mud 2168.9 PSI AK1 Recorder No. 7437 Range 4200

(B) First Initial Flow Pressure 58.7 PSI @ (depth) 4205 w / Clock No. 26199

(C) First Final Flow Pressure 59.8 PSI AK1 Recorder No. 13754 Range 4000

(D) Initial Shut-in Pressure 64.2 PSI @ (depth) 4216 w / Clock No. 27567

(E) Second Initial Flow Pressure 59.8 PSI AK1 Recorder No. _____ Range _____

(F) Second Final Flow Pressure 59.8 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 60.2 PSI Initial Opening 5 Final Flow 5

(H) Final Hydrostatic Mud 2150.7 PSI Initial Shut-in 15 Final Shut-in 20

Our Representative DAN BANGLE

CHART PAGE



This is an actual photograph of recorder chart

FIELD
READING

OFFICE
READING

(A) INITIAL HYDROSTATIC MUD	2167	2168.9
(B) FIRST INITIAL FLOW PRESSURE	55	58.7
(C) FIRST FINAL FLOW PRESSURE	55	59.8
(D) INITIAL CLOSED-IN PRESSURE	66	64.2
(E) SECOND INITIAL FLOW PRESSURE	55	59.8
(F) SECOND FINAL FLOW PRESSURE	55	59.8
(G) FINAL CLOSED-IN PRESSURE	66	60.2
(H) FINAL HYDROSTATIC MUD	2146	2150.7

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Drill-Stem Test Data

Well Name #2 WEIDE #25-1 Test No. 2 Date 5/27/92
Company KODIAK PETROLEUM INC. Zone LWR CHEROKEE
Address 44 INVERNESS DR. E., ENGLEWOOD CO 80112 Elevation 2213
Co. Rep./Geo. CHARLEY COOK Cont. DUKE DRLG #1 Est. Ft. of Pay _____
Location: Sec. 25 Twp. 20S Rge. 20W Co. PAWNEE State KS

Interval Tested <u>4235-4251</u>	Drill Pipe Size <u>4.5 FH</u>
Anchor Length <u>16</u>	Wt. Pipe I.D. - 2.7 Ft. Run <u>631</u>
Top Packer Depth <u>4230</u>	Drill Collar - 2.25 Ft. Run _____
Bottom Packer Depth <u>4235</u>	Mud Wt. <u>9</u> lb/Gal.
Total Depth <u>4251</u>	Viscosity <u>57</u> Filtrate <u>10.4</u>

Tool Open @ 5:32 AM Initial Blow STRONG-BOTTOM OF BUCKET IN 15 SECONDS
GAS TO SURFACE ON INITIAL SHUT IN
Final Blow STRONG-GAUGED GAS

Recovery - Total Feet 1178 Flush Tool? NO

Rec. <u>1178</u>	Feet of <u>GASSY SALT WATER-30%GAS/70%WTR</u>
Rec. _____	Feet of _____
Rec. _____	Feet of _____
Rec. _____	Feet of _____
Rec. _____	Feet of _____

BHT 119 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW 0.52 @ 82 °F Chlorides 10000 ppm Recovery Chlorides 7000 ppm System

(A) Initial Hydrostatic Mud 2330.4 PSI AK1 Recorder No. 7437 Range 4200

(B) First Initial Flow Pressure 291.6 PSI @ (depth) 4239 w / Clock No. 26199

(C) First Final Flow Pressure 290.5 PSI AK1 Recorder No. 13754 Range 4000

(D) Initial Shut-in Pressure 917.4 PSI @ (depth) 4247 w / Clock No. 27567

(E) Second Initial Flow Pressure 421.3 PSI AK1 Recorder No. _____ Range _____

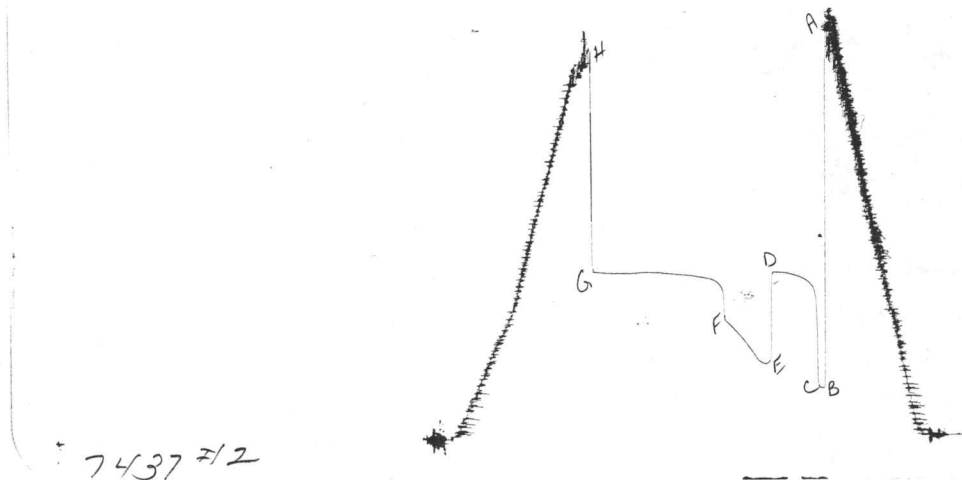
(F) Second Final Flow Pressure 688.7 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 933.6 PSI Initial Opening 8 Final Flow 30

(H) Final Hydrostatic Mud 2160.4 PSI Initial Shut-in 30 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	2325	2330.4
(B) FIRST INITIAL FLOW PRESSURE	286	291.6
(C) FIRST FINAL FLOW PRESSURE	297	290.5
(D) INITIAL CLOSED-IN PRESSURE	915	917.4
(E) SECOND INITIAL FLOW PRESSURE	418	421.3
(F) SECOND FINAL FLOW PRESSURE	684	688.7
(G) FINAL CLOSED-IN PRESSURE	925	933.6
(H) FINAL HYDROSTATIC MUD	2157	2160.4

GAS VOLUME REPORT

KODIAK PETROLEUM INC.

#2 WEIDE #25-1

DST # 2

MIN	PSIG	ORIFICE	MCF/D	MIN	PSIG	ORIFICE	MCF/D
				0	20	0.25	7.51
				5	25	0.25	8.22
				10	60	0.25	13
				15	70	0.25	14.1
				20	85	0.25	15.4
				25	86	0.25	15.5
				30	86	0.25	15.5

Remarks:

GAS TO SURFACE ON INITIAL SHUT IN/GAS SAMPLE TAKEN

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Drill-Stem Test Data

Well Name #2 WEIDE #25-1 Test No. 3 Date 5/27/92
Company KODIAK PETROLEUM INC. Zone MISSISSIPPI
Address 44 INVERNESS DR. E., ENGLEWOOD CO 80112 Elevation 2213
Co. Rep./Geo. CHARLEY COOK Cont. DUKE DRLG #1 Est. Ft. of Pay _____
Location: Sec. 25 Twp. 20S Rge. 20W Co. PAWNEE State KS

Interval Tested <u>4263-4275</u>	Drill Pipe Size <u>4.5 FH</u>
Anchor Length <u>12</u>	Wt. Pipe I.D. - 2.7 Ft. Run <u>631</u>
Top Packer Depth <u>4258</u>	Drill Collar - 2.25 Ft. Run _____
Bottom Packer Depth <u>4263</u>	Mud Wt. <u>9.2</u> lb/Gal.
Total Depth <u>4275</u>	Viscosity <u>59</u> Filtrate <u>12</u>

Tool Open @ 6:55 PM Initial Blow STRONG-BOTTOM OF BUCKET IN 2 MINUTES

Final Blow STRONG-BOTTOM OF BUCKET IN 12 MINUTES

Recovery - Total Feet 30 Flush Tool? NO

Rec. <u>589</u>	Feet of <u>GAS IN PIPE</u>
Rec. <u>30</u>	Feet of <u>MUD CUT OIL-40%OIL/60%MUD</u>
Rec. _____	Feet of _____
Rec. _____	Feet of _____
Rec. _____	Feet of _____

BHT 118 °F Gravity _____ °API @ _____ °F Corrected Gravity 34 °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 7000 ppm System

(A) Initial Hydrostatic Mud 2298.4 PSI AK1 Recorder No. 7437 Range 4200

(B) First Initial Flow Pressure 58.9 PSI @ (depth) 4267 w / Clock No. 26199

(C) First Final Flow Pressure 50.7 PSI AK1 Recorder No. 13754 Range 4000

(D) Initial Shut-in Pressure 143.1 PSI @ (depth) 4271 w / Clock No. 27567

(E) Second Initial Flow Pressure 60.6 PSI AK1 Recorder No. _____ Range _____

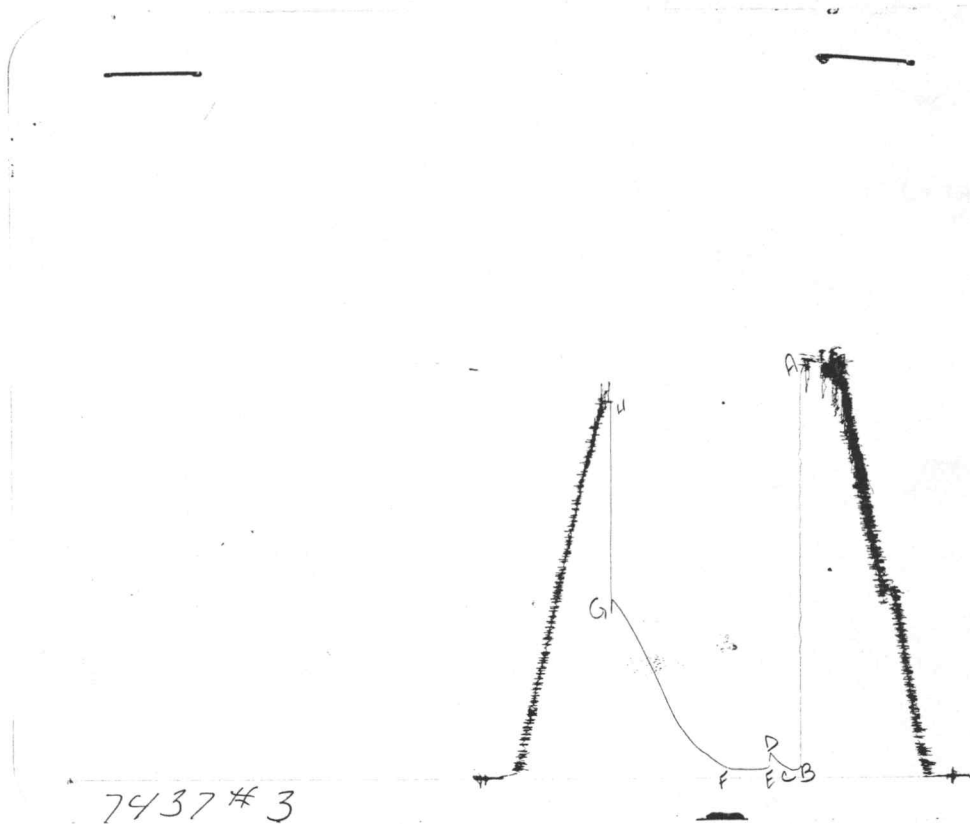
(F) Second Final Flow Pressure 54.0 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 983.2 PSI Initial Opening 5 Final Flow 30

(H) Final Hydrostatic Mud 2130.4 PSI Initial Shut-in 15 Final Shut-in 90

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CHART PAGE



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	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2293	2298.4
(B) FIRST INITIAL FLOW PRESSURE	55	58.9
(C) FIRST FINAL FLOW PRESSURE	55	50.7
(D) INITIAL CLOSED-IN PRESSURE	154	143.1
(E) SECOND INITIAL FLOW PRESSURE	66	60.6
(F) SECOND FINAL FLOW PRESSURE	66	54
(G) FINAL CLOSED-IN PRESSURE	999	983.2
(H) FINAL HYDROSTATIC MUD	2125	2130.4

#2 WEIDE #25-1 DST #3
INITIAL SHUTIN

5 TOTAL FLOW TIME

Slope 919.14 psi/cycle
P * 258 psi

X
X

TIME(MIN)	Pws (psi)	Log Horn T	<> PRESSURE	Horn T
3	62.8	0.426	62.8	3
6	77.1	0.263	14.3	2
9	95.8	0.192	18.7	2
12	118.9	0.151	23.1	1
15	143.1	0.125	24.2	1

#2 WEIDE #25-1 DST #1
FINAL SHUTIN

45 TOTAL FLOW TIME

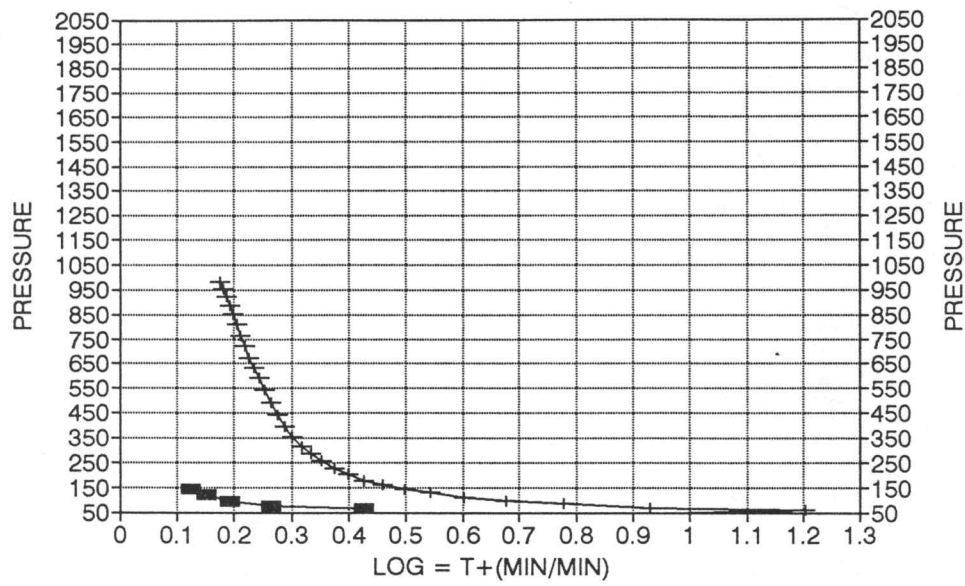
Slope 5903.19 psi/cycle
P * 2023 psi

X
X

TIME(MIN)	Pws (psi)	Log Horn T	<> PRESSURE	Horn T
3	60.6	1.204	60.6	16
6	70.5	0.929	9.9	9
9	83.7	0.778	13.2	6
12	96.9	0.677	13.2	5
15	112.3	0.602	15.4	4
18	132.1	0.544	19.8	4
21	146.4	0.497	14.3	3
24	161.8	0.459	15.4	3
27	178.4	0.426	16.6	3
30	202.6	0.398	24.2	3
33	226.9	0.374	24.3	2
36	255.5	0.352	28.6	2
39	286.3	0.333	30.8	2
42	318.2	0.316	31.9	2
45	354.6	0.301	36.4	2
48	396.4	0.287	41.8	2
51	443.7	0.275	47.3	2
54	491.2	0.263	47.5	2
57	541.7	0.253	50.5	2
60	591.3	0.243	49.6	2
63	634.2	0.234	42.9	2
66	674.0	0.226	39.8	2
69	723.4	0.218	49.4	2
72	766.3	0.211	42.9	2
75	810.4	0.204	44.1	2
78	851.2	0.198	40.8	2
81	887.9	0.192	36.7	2
84	922.5	0.186	34.6	2
87	953.9	0.181	31.4	2
90	983.2	0.176	29.3	2

#2 WEIDE #25-1

HORNER PLOT



FLUID SAMPLER DATA

Ticket No.: 5303

Date: 5/27/92

Company: KODIAK PETROLEUM INC.

Lease: #2 WEIDE #25-1

Test No.: 3

County: PAWNEE

Sec.: 25

Twp.: 20S

Rng.: 20W

SAMPLER RECOVERY

Gas 400

Oil 2800

Mud 0

Water 0

Other 0

Pressure 200

TOTAL 3200

SAMPLER ANALYSIS

Resistivity ohms@ F

Chlorides ppm.

Gravity corrected @60F

PIT MUD ANALYSIS

Chlorides 7000

Resistivity ohms@ F

Viscosity 59

Mud Wt. 9.2

Filtrate 12

Other

PIPE RECOVERY

TOP

Resistivity ohms@ F

Chlorides ppm

MIDDLE

Resistivity ohms@ F

Chlorides ppm

BOTTOM

Resistivity ohms@ F

Chlorides ppm