

TRILOBITE TESTING, L.L.C.

API# 15-097-21373 P.O. Box 362 • Hays, Kansas 67601

Computer Inventoried Drill-Stem Test Data

ORIGINAL

Well Name KANE #1-11 Test No. 1 Date 9/20/94
 Company CROSS BAR PETROLEUM INC. Zone KRIDER
 Address 220 W. DOUGLAS/SWT #140 WICHITA KS 67202 Elevation 2179 KB
 Co. Rep./Geo. TOM BLAIR Cont. MURFIN #21 Est. Ft. of Pay _____
 Location: Sec. 11 Twp. 30S Rge. 18W Co. KIOWA State KS

Interval Tested	<u>2484-2504</u>	Drill Pipe Size	<u>4.5" XH</u>
Anchor Length	<u>20</u>	Wt. Pipe I.D. - 2.7 Ft. Run	_____
Top Packer Depth	<u>2479</u>	Drill Collar - 2.25 Ft. Run	<u>150</u>
Bottom Packer Depth	<u>2484</u>	Mud Wt.	<u>9.0</u> lb/Gal.
Total Depth	<u>2504</u>	Viscosity	<u>42</u>
		Filtrate	_____

Tool Open @ 11:58 P.M. Initial Blow TAGGED BOTTOM 31' UP/OPENED TOOL 8' UP 3" BLOW WITH TO SLIDING TO 4' OFF BOTTOM 1/2" BLOW @30 MIN
 Final Blow NO RETURN-FLUSHED TOOL/GOOD SURGE-NO BLOW-TOOL OUT OF HOLE AT CO.
ORDERS

Recovery - Total Feet 150 Flush Tool? YES

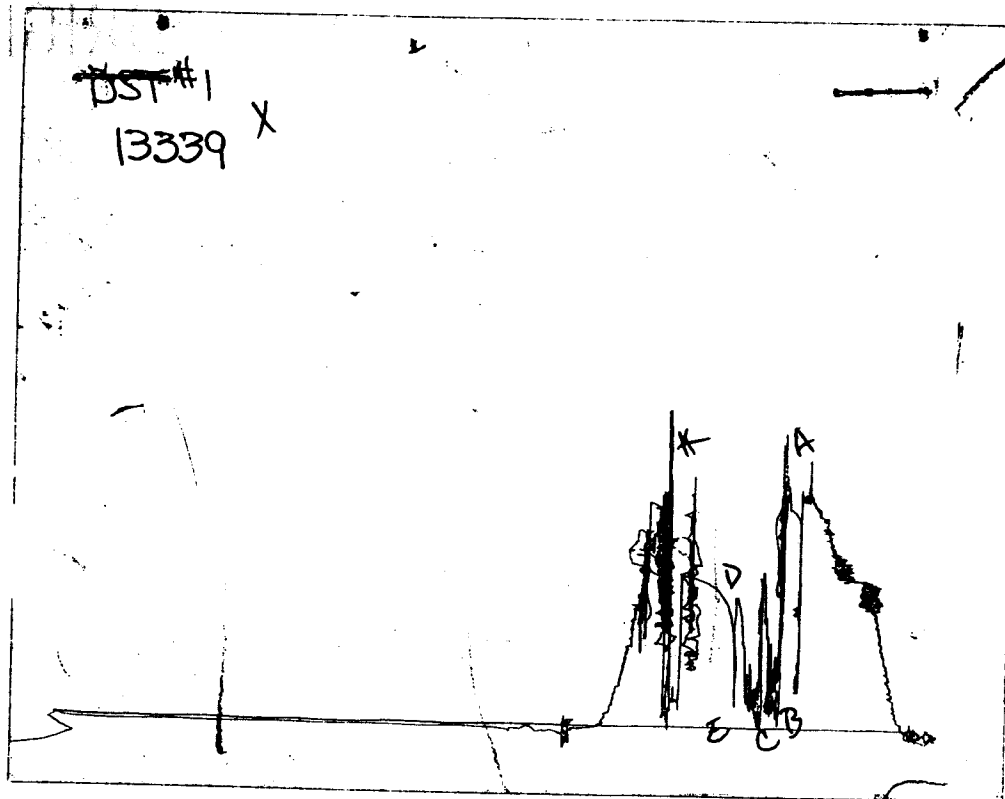
Rec. <u>150</u>	Feet of	<u>DRILLING MUD 100%MUD</u>
Rec. _____	Feet of	_____
Rec. _____	Feet of	_____
Rec. _____	Feet of	_____
Rec. _____	Feet of	_____

BHT 110 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides _____ ppm System

(A) Initial Hydrostatic Mud	<u>1274.0</u> PSI	AK1 Recorder No.	<u>13309</u>	Range	<u>4700</u>
(B) First Initial Flow Pressure	<u>20.8</u> PSI	@ (depth)	<u>2494</u>	w / Clock No.	<u>23934</u>
(C) First Final Flow Pressure	<u>81.1</u> PSI	AK1 Recorder No.	<u>13339</u>	Range	<u>4025</u>
(D) Initial Shut-in Pressure	<u>805.6</u> PSI	@ (depth)	<u>2499'</u>	w / Clock No.	<u>23832</u>
(E) Second Initial Flow Pressure	<u>130.9</u> PSI	AK1 Recorder No.	_____	Range	_____
(F) Second Final Flow Pressure	<u>0.0</u> PSI	@ (depth)	_____	w / Clock No.	_____
(G) Final Shut-in Pressure	<u>0.0</u> PSI	Initial Opening	<u>30</u>	Final Flow	<u>10</u>
(H) Final Hydrostatic Mud	<u>1212.7</u> PSI	Initial Shut-in	<u>45</u>	Final Shut-in	<u>0</u>

Our Representative ROD STEINBRINK

CHART PAGE



This is an actual photograph of recorder chart 13339

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1220	1274
(B) FIRST INITIAL FLOW PRESSURE	20	20.8
(C) FIRST FINAL FLOW PRESSURE	73	81.1
(D) INITIAL CLOSED-IN PRESSURE	789	805.6
(E) SECOND INITIAL FLOW PRESSURE	124	130.9
(F) SECOND FINAL FLOW PRESSURE	0	0
(G) FINAL CLOSED-IN PRESSURE	0	0
(H) FINAL HYDROSTATIC MUD	1190	1212.7

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Drill-Stem Test Data

Well Name KANE #1-11 Test No. 2 Date 9/23/94
Company CROSS BAR PETROLEUM INC. Zone LANSING "A"
Address 220 W. DOUGLAS/SWT #140 WICHITA KS 67202 Elevation 2177 KB
Co. Rep./Geo. STEVE DAVIS Cont. MURFIN #21 Est. Ft. of Pay _____
Location: Sec. 11 Twp. 30S Rge. 18W Co. KIOWA State KS

Interval Tested	<u>4343-4356</u>	Drill Pipe Size	<u>4.5" XH</u>
Anchor Length	<u>13</u>	Wt. Pipe I.D. - 2.7 Ft. Run	_____
Top Packer Depth	<u>4338</u>	Drill Collar - 2.25 Ft. Run	<u>150</u>
Bottom Packer Depth	<u>4343</u>	Mud Wt.	<u>9.3</u>
Total Depth	<u>4356</u>	Viscosity	<u>45</u>
		Filtrate	<u>10.4</u> lb/Gal.

Tool Open @ 10:20 P.M. ^{Initial} Blow WEAK TO FAIR BLOW (SLOW INCREASE TO 9" IN WATER)
Final Blow WEAK BLOW (1-3 1/2")

Recovery - Total Feet 70 Flush Tool? NO

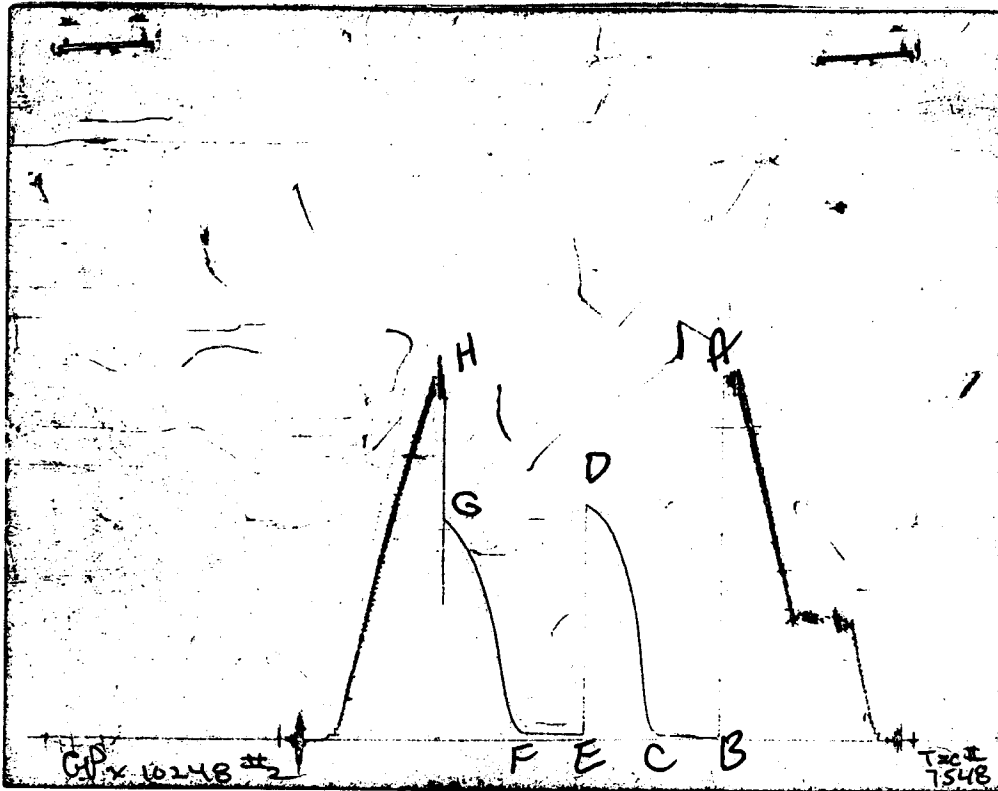
Rec. <u>50</u>	Feet of	<u>GAS IN PIPE</u>
Rec. <u>15</u>	Feet of	<u>SLIGHT OIL CUT MUD 5%OIL/95%MUD</u>
Rec. <u>55</u>	Feet of	<u>MUD & WATER WITH OIL SPECKS 88%WATER/12%MUD</u>
Rec. _____	Feet of	_____
Rec. _____	Feet of	_____

BHT 112 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW 0.13 @ 66 °F Chlorides 92000 ppm Recovery Chlorides 7000 ppm System

(A) Initial Hydrostatic Mud	<u>2099.0</u> PSI	AK1 Recorder No.	<u>13788</u>	Range	<u>4650</u>
(B) First Initial Flow Pressure	<u>15.0</u> PSI	@ (depth)	<u>4353</u>	w / Clock No.	<u>30401</u>
(C) First Final Flow Pressure	<u>26.4</u> PSI	AK1 Recorder No.	<u>10248</u>	Range	<u>4400</u>
(D) Initial Shut-in Pressure	<u>1358.7</u> PSI	@ (depth)	<u>4348'</u>	w / Clock No.	<u>23858</u>
(E) Second Initial Flow Pressure	<u>35.5</u> PSI	AK1 Recorder No.	_____	Range	_____
(F) Second Final Flow Pressure	<u>40.1</u> PSI	@ (depth)	_____	w / Clock No.	_____
(G) Final Shut-in Pressure	<u>1279.9</u> PSI	Initial Opening	<u>45</u>	Final Flow	<u>45</u>
(H) Final Hydrostatic Mud	<u>2097.9</u> PSI	Initial Shut-in	<u>60</u>	Final Shut-in	<u>60</u>

Our Representative GARY PEVOTEAUX

CHART PAGE



This is an actual photograph of recorder chart 10248

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2096	2099
(B) FIRST INITIAL FLOW PRESSURE	9	15
(C) FIRST FINAL FLOW PRESSURE	14	26.4
(D) INITIAL CLOSED-IN PRESSURE	1355	1358.7
(E) SECOND INITIAL FLOW PRESSURE	16	35.5
(F) SECOND FINAL FLOW PRESSURE	25	40.1
(G) FINAL CLOSED-IN PRESSURE	1285	1279.9
(H) FINAL HYDROSTATIC MUD	2074	2097.9

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Drill-Stem Test Data

Well Name KANE #1-11 Test No. 3 Date 9/24/94
Company CROSS BAR PETROLEUM INC. Zone LANSING "B"
Address 220 W. DOUGLAS/SWT #140 WICHITA KS 67202 Elevation 2177 KB
Co. Rep./Geo. STEVE DAVIS Cont. MURFIN #21 Est. Ft. of Pay _____
Location: Sec. 11 Twp. 30S Rge. 18W Co. KIOWA State KS

Interval Tested 4358-4385 Drill Pipe Size 4.5" XH
Anchor Length 27 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4353 Drill Collar - 2.25 Ft. Run 150
Bottom Packer Depth 4358 Mud Wt. 9.2 lb/Gal.
Total Depth 4385 Viscosity 45 Filtrate 9.6

Tool Open @ 8:43 P.M. Initial Blow STRONG BLOW BOTTOM OF BUCKET IN 1-2 MIN

Final Blow STRONG BLOW BOTTOM OF BUCKET IN 1 1/2 MIN

Recovery - Total Feet 2730 Flush Tool? NO

Rec. 100 Feet of SLIGHT GAS CUT MUD & WATER 3%GAS/70%WATER/27%MUD
Rec. 2630 Feet of SALT WATER 100%WATER
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

3HT 114 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW 0.14 @ 69 °F Chlorides 79000 ppm Recovery Chlorides 9000 ppm System

(A) Initial Hydrostatic Mud 2132.0 PSI AK1 Recorder No. 13788 Range 4650

(B) First Initial Flow Pressure 282.1 PSI @ (depth) 4382 w / Clock No. 30401

(C) First Final Flow Pressure 993.6 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 1490.0 PSI @ (depth) 4377' w / Clock No. 23858

(E) Second Initial Flow Pressure 1026.5 PSI AK1 Recorder No. _____ Range _____

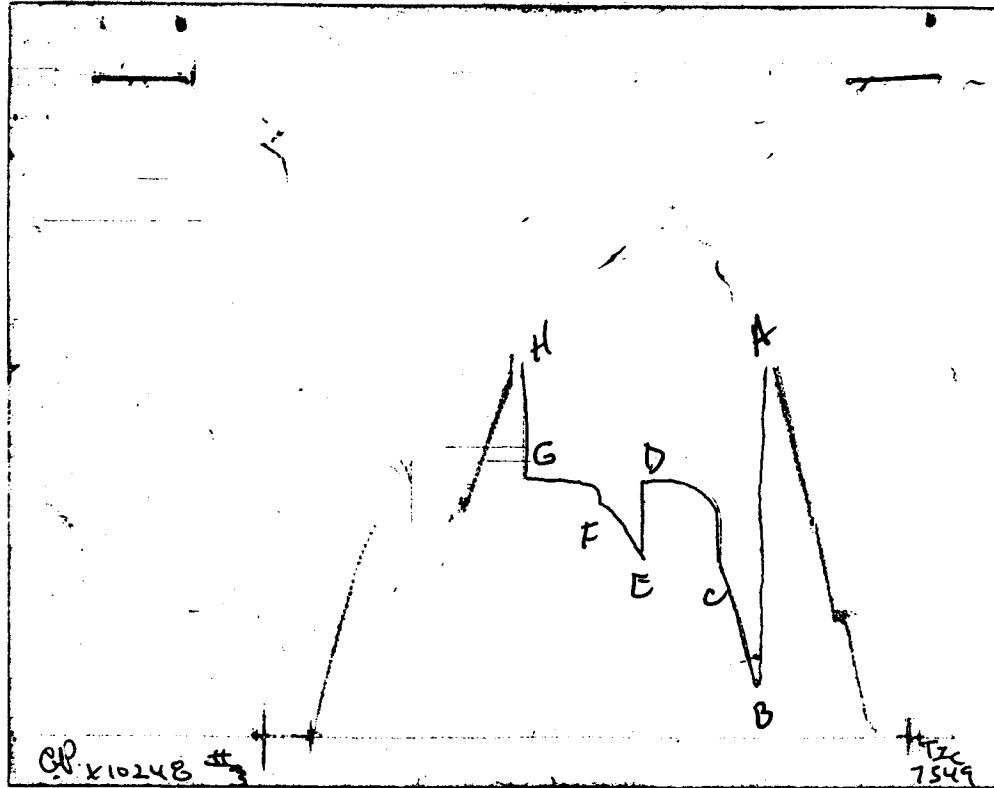
(F) Second Final Flow Pressure 1355.4 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 1492.0 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 2036.4 PSI Initial Shut-in 60 Final Shut-in 60

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CHART PAGE



This is an actual photograph of recorder chart 10248

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2107	2132
(B) FIRST INITIAL FLOW PRESSURE	283	282.1
(C) FIRST FINAL FLOW PRESSURE	1001	993.6
(D) INITIAL CLOSED-IN PRESSURE	1493	1490
(E) SECOND INITIAL FLOW PRESSURE	1034	1026.5
(F) SECOND FINAL FLOW PRESSURE	1351	1355.4
(G) FINAL CLOSED-IN PRESSURE	1489	1492
(H) FINAL HYDROSTATIC MUD	2096	2036.4

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Drill-Stem Test Data

Well Name KANE #1-11 Test No. 4 Date 9/26/94
Company CROSS BAR PETROLEUM INC. Zone ALTAMONT
Address 220 W. DOUGLAS/SWT #140 WICHITA KS 67202 Elevation 2177 KB
Co. Rep./Geo. STEVE DAVIS Cont. MURFIN #21 Est. Ft. of Pay _____
Location: Sec. 11 Twp. 30S Rge. 18W Co. KIOWA State KS

Interval Tested 4785-4825 Drill Pipe Size 4.5" XH
Anchor Length 40 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4780 Drill Collar - 2.25 Ft. Run 150
Bottom Packer Depth 4785 Mud Wt. 9.2 lb/Gal.
Total Depth 4825 Viscosity 50 Filtrate 8.4

Tool Open @ 2:45 P.M. Initial Blow WEAK BLOW (1/2" OR LESS)
Final Blow NO BLOW FLUSHED TOOL 10 MIN INTO 2ND OPEN - GOOD FLUSH-NO BLOW

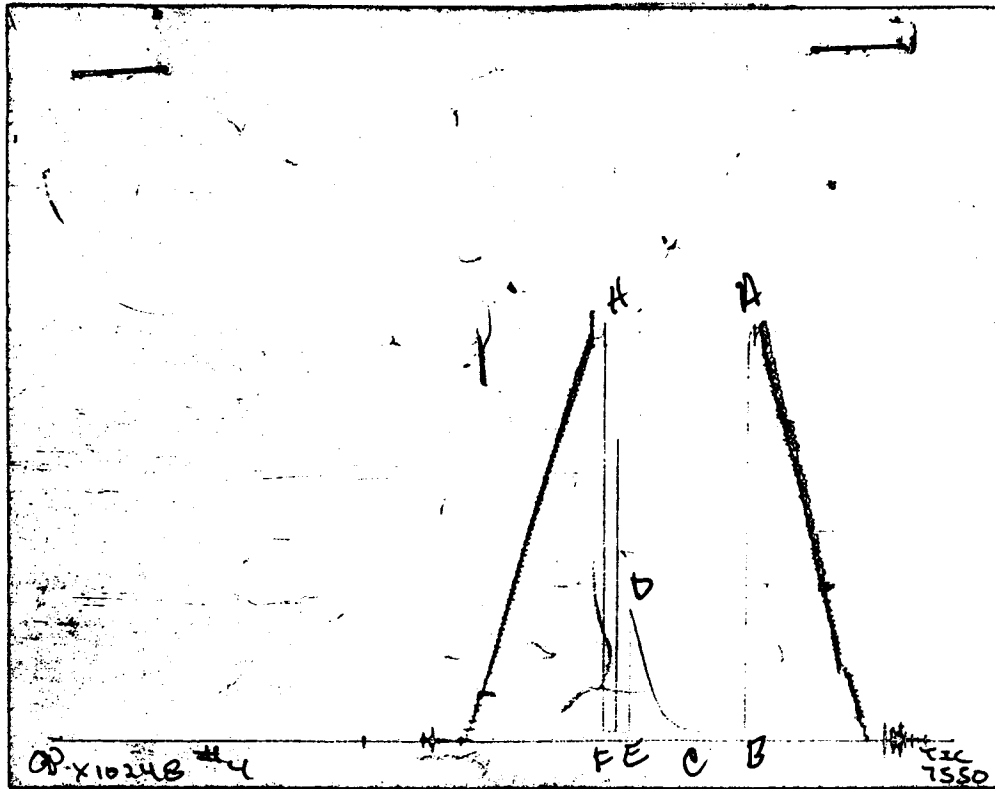
Recovery - Total Feet _____ Flush Tool? YES
Rec. 20 Feet of DRILLING MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

3HT 120 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides 8500 ppm Recovery Chlorides 8500 ppm System

(A) Initial Hydrostatic Mud 2353.3 PSI AK1 Recorder No. 13788 Range 4650
(B) First Initial Flow Pressure 48.8 PSI @ (depth) 4822 w / Clock No. 30401
(C) First Final Flow Pressure 51.5 PSI AK1 Recorder No. 10248 Range 4400
(D) Initial Shut-in Pressure 762.2 PSI @ (depth) 4817' w / Clock No. 23858
(E) Second Initial Flow Pressure 49.2 PSI AK1 Recorder No. _____ Range _____
(F) Second Final Flow Pressure 56.1 PSI @ (depth) _____ w / Clock No. _____
(G) Final Shut-in Pressure 0.0 PSI Initial Opening 30 Final Flow 20
(H) Final Hydrostatic Mud 2329.0 PSI Initial Shut-in 60 Final Shut-in _____

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CHART PAGE



This is an actual photograph of recorder chart 10248

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2331	2353.3
(B) FIRST INITIAL FLOW PRESSURE	32	48.8
(C) FIRST FINAL FLOW PRESSURE	34	51.5
(D) INITIAL CLOSED-IN PRESSURE	764	762.2
(E) SECOND INITIAL FLOW PRESSURE	34	49.2
(F) SECOND FINAL FLOW PRESSURE	37	56.1
(G) FINAL CLOSED-IN PRESSURE	0	0
(H) FINAL HYDROSTATIC MUD	2316	2329

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Drill-Stem Test Data

Well Name KANE #1-11 Test No. 5 Date 9/27/94
Company CROSS BAR PETROLEUM INC. Zone MISS
Address 220 W. DOUGLAS/SWT #140 WICHITA KS 67202 Elevation 2177 KB
Co. Rep./Geo. STEVE DAVIS Cont. MURFIN #21 Est. Ft. of Pay _____
Location: Sec. 11 Twp. 30S Rge. 18W Co. KIOWA State KS

Interval Tested 4859-4987 Drill Pipe Size 4.5" XH
Anchor Length 128 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4854 Drill Collar - 2.25 Ft. Run 150
Bottom Packer Depth 4859 Mud Wt. _____ 9.2 lb/Gal.
Total Depth 4987 Viscosity 47 Filtrate 8.8

Tool Open @ 5:37 P.M. Initial Blow STRONG BLOW GAS TO SURFACE IN 15 MIN (SEE GAS VOLUME R
Final Blow STRONG BLOW (SEE GAS VOLUME REPORT)

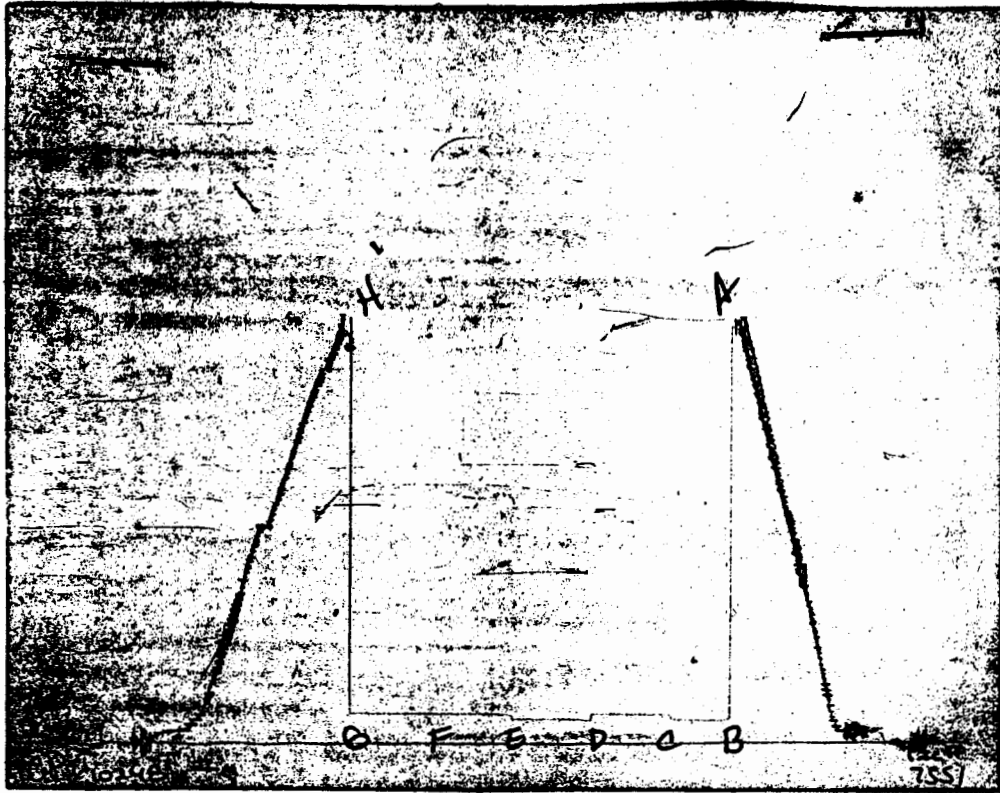
Recovery - Total Feet 200 Flush Tool? NO
Rec. 4530 Feet of GAS IN PIPE
Rec. 200 Feet of SLIGHT GAS & WATER CUT MUD 3%GAS/11%WATER/86%MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 128 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW 0.91 @ 71 °F Chlorides 11000 ppm Recovery Chlorides 9000 ppm System

(A) Initial Hydrostatic Mud 2408.4 PSI AK1 Recorder No. 13788 Range 4650
(B) First Initial Flow Pressure 129.9 PSI @ (depth) 4984 w / Clock No. 30401
(C) First Final Flow Pressure 134.5 PSI AK1 Recorder No. 10248 Range 4400
(D) Initial Shut-in Pressure 162.7 PSI @ (depth) 4979' w / Clock No. 23858
(E) Second Initial Flow Pressure 131.1 PSI AK1 Recorder No. _____ Range _____
(F) Second Final Flow Pressure 137.9 PSI @ (depth) _____ w / Clock No. _____
(G) Final Shut-in Pressure 174.0 PSI Initial Opening 45 Final Flow 60
(H) Final Hydrostatic Mud 2350.0 PSI Initial Shut-in 60 Final Shut-in 120

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CHART PAGE



This is an actual photograph of recorder chart 10248

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2415	2408.4
(B) FIRST INITIAL FLOW PRESSURE	128	129.9
(C) FIRST FINAL FLOW PRESSURE	132	134.5
(D) INITIAL CLOSED-IN PRESSURE	171	162.7
(E) SECOND INITIAL FLOW PRESSURE	132	131.1
(F) SECOND FINAL FLOW PRESSURE	135	137.9
(G) FINAL CLOSED-IN PRESSURE	171	174
(H) FINAL HYDROSTATIC MUD	2349	2350

GAS VOLUME REPORT

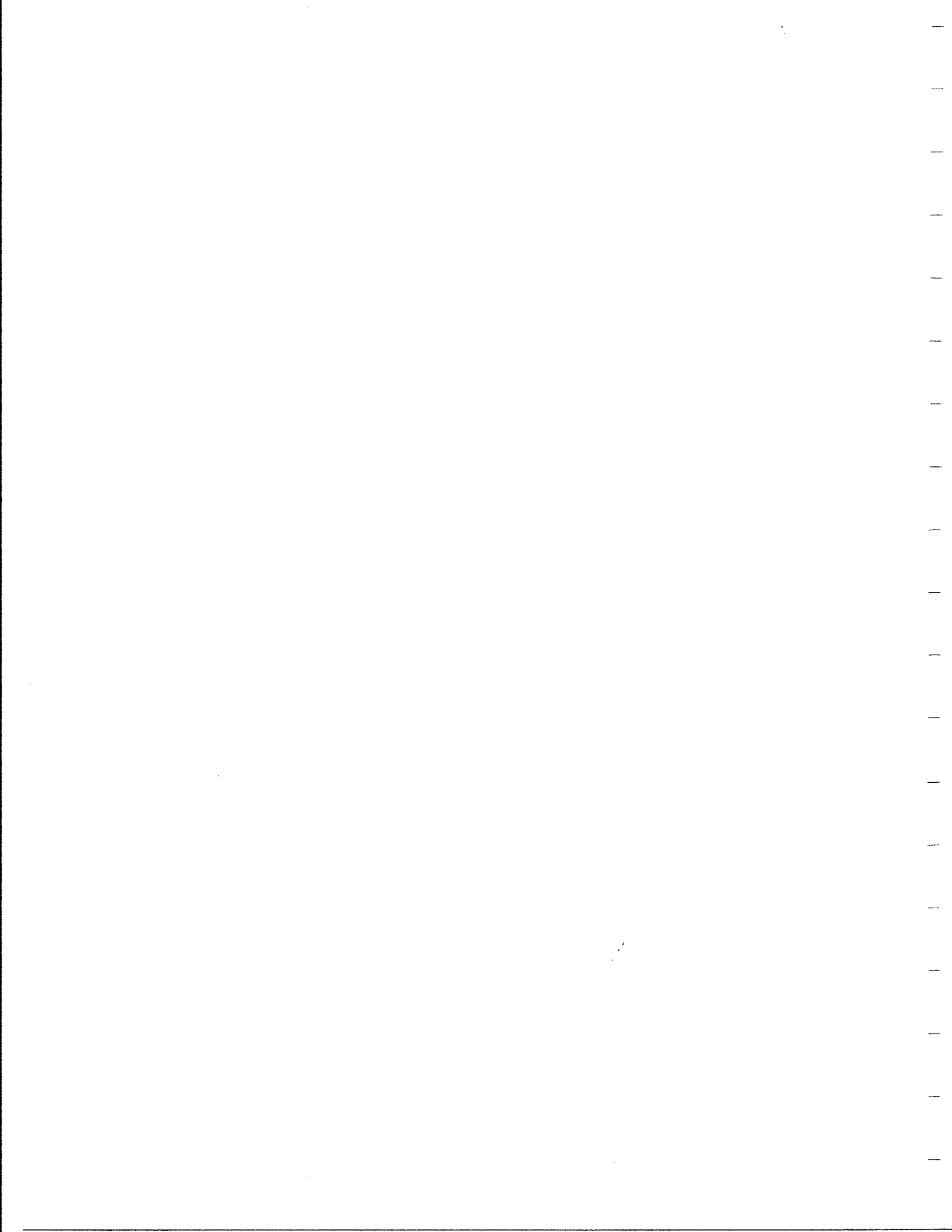
CROSS BAR PETROLEUM INC.

KANE #1-11

DST # 5

MIN	INCHES WATER	ORIFICE	MCF/D	MIN	PSIG INS OF WATER	ORIFICE	MCF/D
15	GAS TO SURFACE			10	4 PSI	0.5	68.8
20	80"WTR	0.5	56.1	20	5 PSI	0.5	78.1
30	96"WTR	0.5	61.5	30	5.5 PSI	0.5	81.8
40	4.5 PSI	0.5	73.6	40	5.5 PSI	0.5	81.8
				50	5.5 PSI	0.5	81.8
				55	5.5 PSI	0.5	81.8

Remarks:



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Drill-Stem Test Data

Well Name KANE #1-11 Test No. 6 Date 9/28/94
Company CROSS BAR PETROLEUM INC. Zone MISS
Address 220 W. DOUGLAS/SWT #140 WICHITA KS 67202 Elevation 2177 KB
Co. Rep./Geo. STEVE DAVIS Cont. MURFIN #21 Est. Ft. of Pay _____
Location: Sec. 11 Twp. 30S Rge. 18W Co. KIOWA State KS

Interval Tested 4984-5017 Drill Pipe Size 4.5" XH
Anchor Length 33 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4979 Drill Collar - 2.25 Ft. Run 150
Bottom Packer Depth 4984 Mud Wt. _____ 9.1 lb/Gal.
Total Depth 5017 Viscosity 51 Filtrate 8.4

Tool Open @ 12:46 P.M. Initial Blow WEAK BLOW (1-3" IN WATER)

Final Blow FAIR BLOW (3-11" IN WATER)

Recovery - Total Feet 20 Flush Tool? NO

Rec. 160 Feet of GAS IN PIPE
Rec. 20 Feet of MUD WITH OIL SPECKS 100% MUD
Rec. _____ Feet of CLEAN OIL AT TOP OF TOOL (THIN LAYER)
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 129 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides 7000 ppm Recovery Chlorides 7000 ppm System

(A) Initial Hydrostatic Mud 2411.7 PSI AK1 Recorder No. 13788 Range 4650

(B) First Initial Flow Pressure 50.4 PSI @ (depth) 5014 w / Clock No. 30401

(C) First Final Flow Pressure 82.1 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 570.4 PSI @ (depth) 5009' w / Clock No. 23858

(E) Second Initial Flow Pressure 49.2 PSI AK1 Recorder No. _____ Range _____

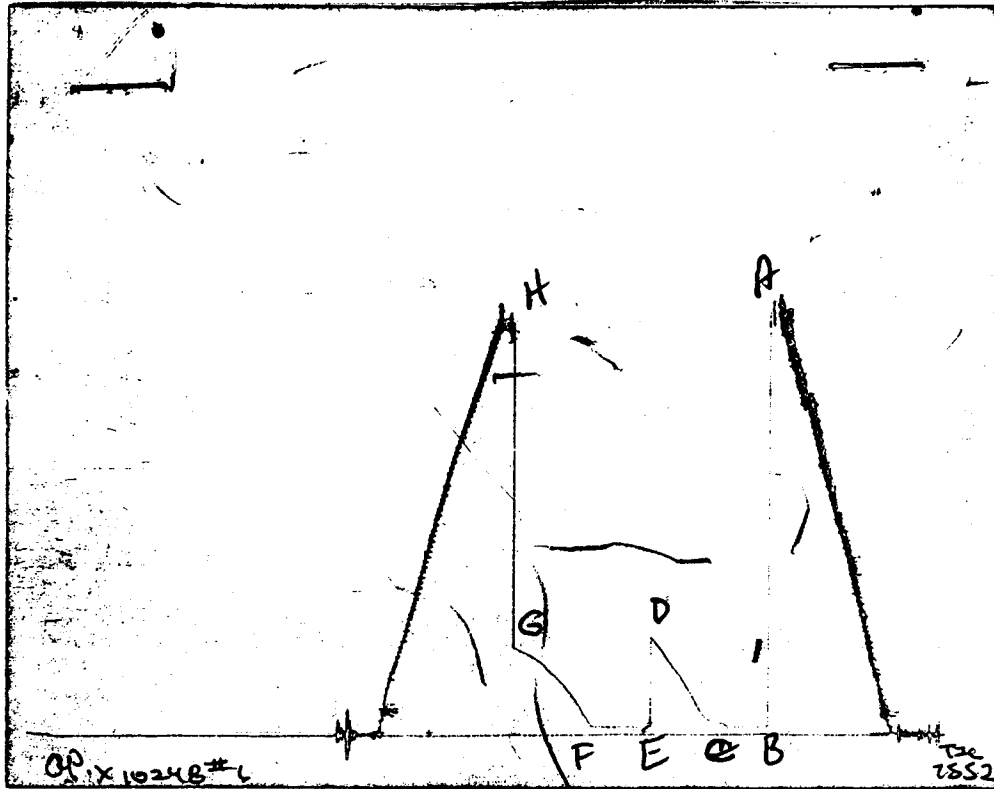
(F) Second Final Flow Pressure 54.9 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 518.4 PSI Initial Opening 30 Final Flow 45

(H) Final Hydrostatic Mud 2365.4 PSI Initial Shut-in 60 Final Shut-in 60

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CHART PAGE



This is an actual photograph of recorder chart 10248

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2406	2411.7
(B) FIRST INITIAL FLOW PRESSURE	28	50.4
(C) FIRST FINAL FLOW PRESSURE	32	82.1
(D) INITIAL CLOSED-IN PRESSURE	573	570.4
(E) SECOND INITIAL FLOW PRESSURE	32	49.2
(F) SECOND FINAL FLOW PRESSURE	37	54.9
(G) FINAL CLOSED-IN PRESSURE	508	518.4
(H) FINAL HYDROSTATIC MUD	2371	2365.4