

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

API#15-097-21375

Drill-Stem Test Data

ORIGINAL

Well Name SCHMIDT #1-7 Test No. 1 Date 8/25/94
 Company CROSS BAR PETROLEUM INC. Zone LANSING 'A'
 Address 220 W. DOUGLAS/SWT #140 WICHITA KS 67202 Elevation 2178 KB
 Co. Rep./Geo. THOMAS BLAIR Cont. MURFIN #21 Est. Ft. of Pay _____
 Location: Sec. 7 Twp. 29S Rge. 17W Co. KIOWA State KS

Interval Tested 4261-4270 Drill Pipe Size 4.5" XH
 Anchor Length 9 Wt. Pipe I.D. - 2.7 Ft. Run _____
 Top Packer Depth 4256 Drill Collar - 2.25 Ft. Run 210
 Bottom Packer Depth 4261 Mud Wt. 9.2 lb/Gal.
 Total Depth 4270 Viscosity 44 Filtrate 8.8

Tool Open @ 11:55 A.M. Initial Blow FAIR BLOW 3-6" IN WATER **KGC**

Final Blow WEAK BLOW (1-3") **FEB 21 1995**

Recovery - Total Feet 82 Flush Tool? NO

Rec. 125 Feet of GAS IN PIPE
 Rec. 2 Feet of CLEAN OIL 100% OIL
 Rec. 20 Feet of SLIGHT OIL CUT MUD 3%OIL/97%MUD
 Rec. 60 Feet of MUDDY WATER (WITH OIL SPECKS) 97%WATER/3%MUD
 Rec. _____ Feet of _____

BHT 112 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW 0.17 @ 87 °F Chlorides 85000 ppm Recovery Chlorides 6000 ppm System

(A) Initial Hydrostatic Mud 2045.2 PSI AK1 Recorder No. 13788 Range 4650

(B) First Initial Flow Pressure 50.4 PSI @ (depth) 4267 w / Clock No. 22993

(C) First Final Flow Pressure 58.3 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 539.4 PSI @ (depth) 4263 w / Clock No. 30410

(E) Second Initial Flow Pressure 74.2 PSI AK1 Recorder No. _____ Range _____

(F) Second Final Flow Pressure 78.7 PSI @ (depth) _____ w / Clock No. _____

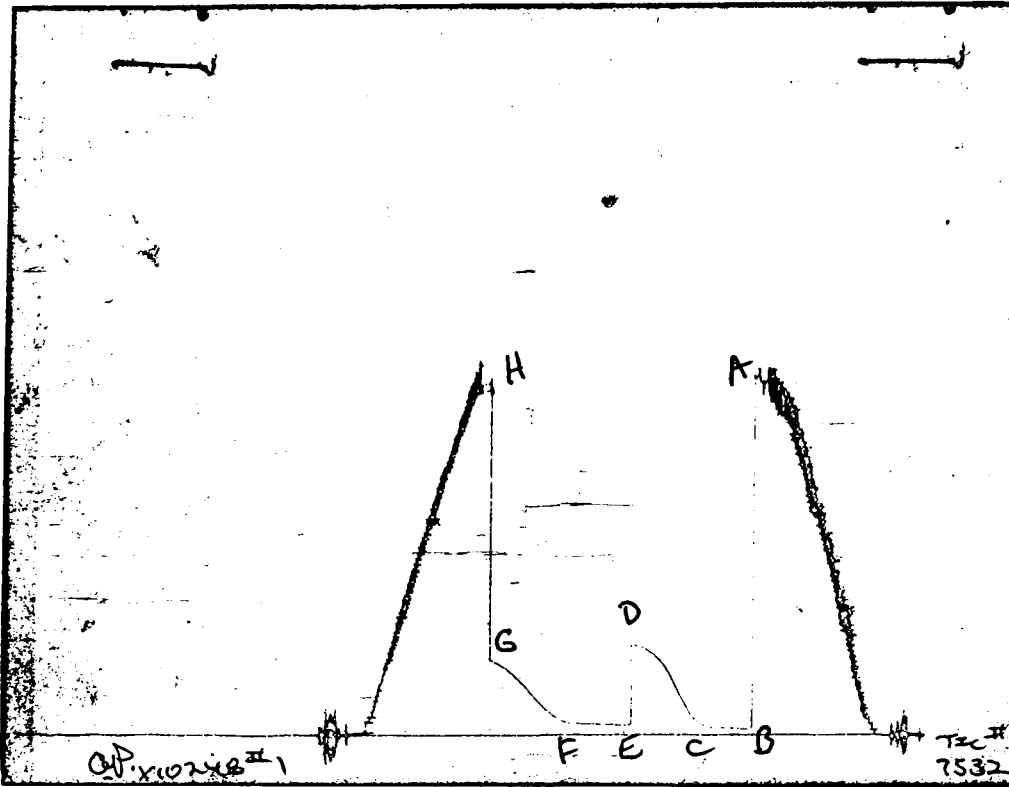
(G) Final Shut-in Pressure 438.4 PSI Initial Opening 30 Final Flow 45

(H) Final Hydrostatic Mud 2015.6 PSI Initial Shut-in 60 Final Shut-in 60

Our Representative GARY PEVOTEAUX

RECEIVED
 KANSAS CORPORATION COMMISSION
 JAN 06 1995
 OILFIELD DIVISION
 WICHITA, KS

CHART PAGE



This is an actual photograph of recorder chart 10248

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2041	2045.2
(B) FIRST INITIAL FLOW PRESSURE	21	50.4
(C) FIRST FINAL FLOW PRESSURE	28	58.3
(D) INITIAL CLOSED-IN PRESSURE	508	539.4
(E) SECOND INITIAL FLOW PRESSURE	34	74.2
(F) SECOND FINAL FLOW PRESSURE	55	78.7
(G) FINAL CLOSED-IN PRESSURE	424	438.4
(H) FINAL HYDROSTATIC MUD	1994	2015.6

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Drill-Stem Test Data

Well Name SCHMIDT #1-7 Test No. 2 Date 8/26/94
Company CROSS BAR PETROLEUM INC. Zone LANSING 'B'
Address 220 W. DOUGLAS/SWT #140 WICHITA KS 67202 Elevation 2178 KB
Co. Rep./Geo. THOMAS BLAIR Cont. MURFIN #21 Est. Ft. of Pay _____
Location: Sec. 7 Twp. 29S Rge. 17W Co. KIOWA State KS

Interval Tested 4283-4295 Drill Pipe Size 4.5" XH
Anchor Length 12 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4278 Drill Collar - 2.25 Ft. Run 150
Bottom Packer Depth 4283 Mud Wt. 9.2 lb/Gal.
Total Depth 4295 Viscosity 44 Filtrate 8.8

Tool Open @ 3:15 A.M. Initial Blow FAIR BLOW (2-8" IN WATER)

Final Blow FAIR BLOW (1-10" IN WATER)

Recovery - Total Feet 266 Flush Tool? NO

Rec. 32 Feet of GAS IN PIPE
Rec. 1 Feet of CLEAN OIL
Rec. 25 Feet of MUDDY WATER WITH OIL SPECKS 90%WATER/10%MUD
Rec. 240 Feet of SALT WATER
Rec. _____ Feet of _____

BHT 114 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW 0.11 @ 84 °F Chlorides 105000 ppm Recovery Chlorides 6000 ppm System

(A) Initial Hydrostatic Mud 2054.0 PSI AK1 Recorder No. 13788 Range 4650

(B) First Initial Flow Pressure 36.7 PSI @ (depth) 4292 w / Clock No. 22993

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

(D) Initial Shut-in Pressure 1263.7 PSI @ (depth) 4287 w / Clock No. 30410

(E) Second Initial Flow Pressure 108.3 PSI AK1 Recorder No. _____ Range _____

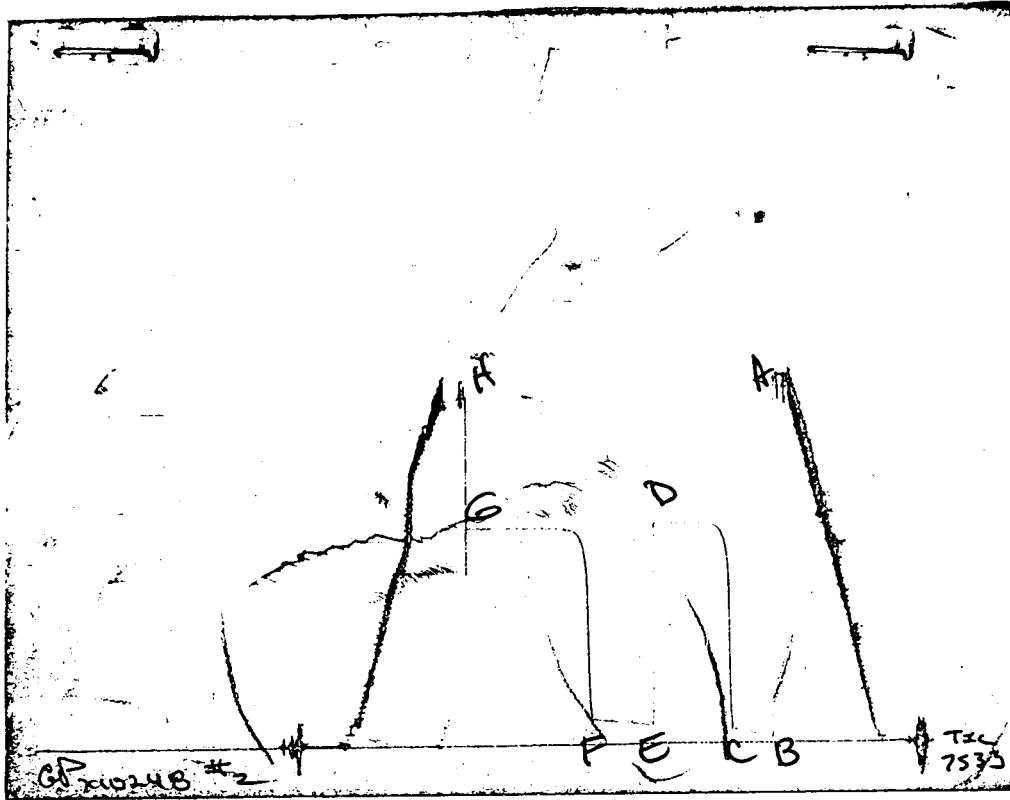
(F) Second Final Flow Pressure 142.4 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 1248.4 PSI Initial Opening 30 Final Flow 45

(H) Final Hydrostatic Mud 1988.1 PSI Initial Shut-in 60 Final Shut-in 90

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CHART PAGE



This is an actual photograph of recorder chart 10248

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2076	2054
(B) FIRST INITIAL FLOW PRESSURE	21	36.7
(C) FIRST FINAL FLOW PRESSURE	73	82.1
(D) INITIAL CLOSED-IN PRESSURE	1246	1263.7
(E) SECOND INITIAL FLOW PRESSURE	82	108.3
(F) SECOND FINAL FLOW PRESSURE	132	142.4
(G) FINAL CLOSED-IN PRESSURE	1239	1248.4
(H) FINAL HYDROSTATIC MUD	1986	1988.1

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Drill-Stem Test Data

Well Name L. SCHMIDT #1-17 Test No. 3 Date 8/26/94
Company CROSS BAR PETROLEUM INC. Zone C' L.K.C
Address 220 W. DOUGLAS/SWT #140 WICHITA KS 67202 Elevation 2178 KB
Co. Rep./Geo. STEVE DAVIS Cont. MURFIN #21 Est. Ft. of Pay _____
Location: Sec. 7 Twp. 29S Rge. 17W Co. KIOWA State KS

Interval Tested 4315-4325 Drill Pipe Size 4.5" XH
Anchor Length 10 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4310 Drill Collar - 2.25 Ft. Run 150
Bottom Packer Depth 4315 Mud Wt. _____ 9.2 lb/Gal.
Total Depth 4325 Viscosity 45 Filtrate 9.6

Tool Open @ 8:10 P.M. Initial Blow WENT TO BOTTOM WITH TOOL & HIT BRIDGE 60' OFF BOTTOM-
WORKED TOOL TO GO THROUGH BRIDGE-WEAK BLOW BUILDING TO 5"
Final Blow WEAK-BUILDING TO 2"

Recovery - Total Feet 210 Flush Tool? NO

Rec. 210 Feet of WATER 100% WATER
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 125 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW 0.04 @ 78 °F Chlorides 130000 ppm Recovery Chlorides 6000 ppm System

(A) Initial Hydrostatic Mud 2065.8 PSI AK1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure 32.4 PSI @ (depth) 4319 w / Clock No. 27501

(C) First Final Flow Pressure 90.5 PSI AK1 Recorder No. 13849 Range 4375

(D) Initial Shut-in Pressure 1444.9 PSI @ (depth) 4321 w / Clock No. 25810

(E) Second Initial Flow Pressure 100.3 PSI AK1 Recorder No. _____ Range _____

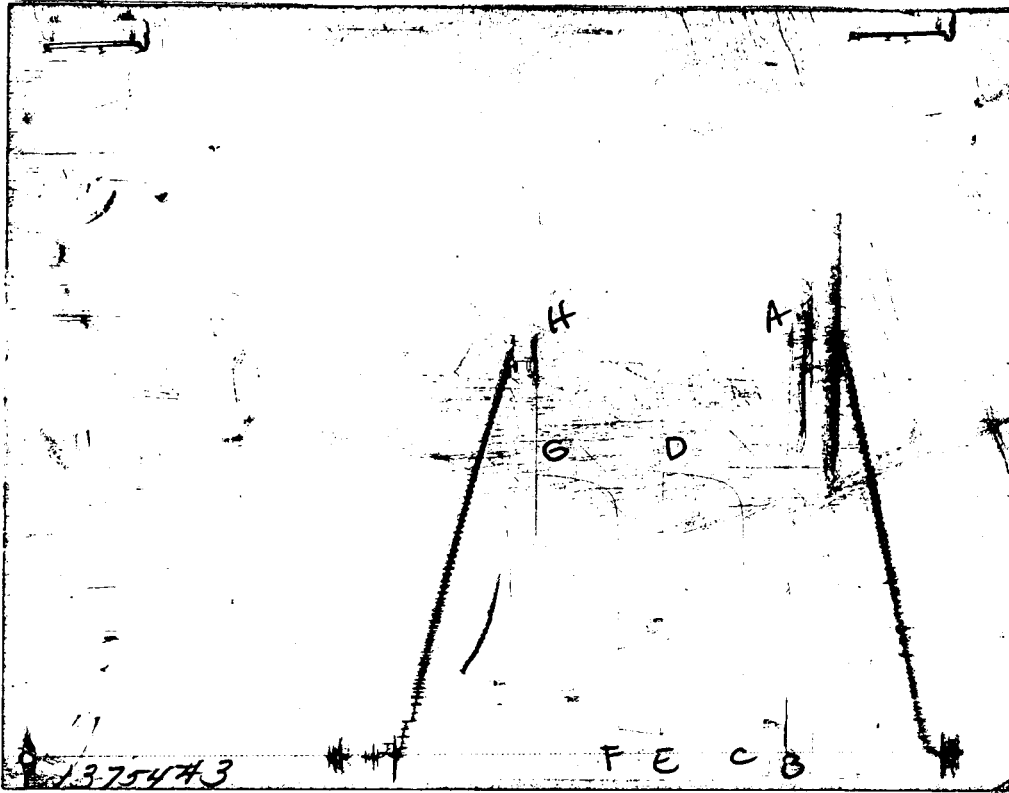
(F) Second Final Flow Pressure 122.0 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 1435.9 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 1924.9 PSI Initial Shut-in 60 Final Shut-in 60

Our Representative DAN BANGLE

CHART PAGE



This is an actual photograph of recorder chart 13754

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2046	2065.8
(B) FIRST INITIAL FLOW PRESSURE	39	32.4
(C) FIRST FINAL FLOW PRESSURE	98	90.5
(D) INITIAL CLOSED-IN PRESSURE	1436	1444.9
(E) SECOND INITIAL FLOW PRESSURE	108	100.3
(F) SECOND FINAL FLOW PRESSURE	127	122
(G) FINAL CLOSED-IN PRESSURE	1436	1435.9
(H) FINAL HYDROSTATIC MUD	1986	1924.9

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Drill-Stem Test Data

Well Name SCHMIDT #1-7 Test No. 4 Date 8/28/94
Company CROSS BAR PETROLEUM INC. Zone HERTHA
Address 220 W. DOUGLAS/SWT #140 WICHITA KS 67202 Elevation 2178 KB
Co. Rep./Geo. STEVE DAVIS Cont. MURFIN #21 Est. Ft. of Pay _____
Location: Sec. 7 Twp. 29S Rge. 17W Co. KIOWA State KS

Interval Tested 4535-4595 Drill Pipe Size 4.5" XH
Anchor Length 60 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4530 Drill Collar - 2.25 Ft. Run 120
Bottom Packer Depth 4535 Mud Wt. _____ 8.9 lb/Gal.
Total Depth 4595 Viscosity 45 Filtrate 9.6

Tool Open @ 1:45 A.M. Initial Blow WEAK BLOW (1/4") DEAD IN 15 MIN

Final Blow NO BLOW. FLUSHED TOOL 7 MIN IN TO 2ND OPEN-GOOD FLUSH.
NO BLOW BACK

Recovery - Total Feet _____ Flush Tool? YES

Rec. 10 Feet of DRILLING MUD 100% MUD
Rec. _____ Feet of FEW OIL SPECKS AT TOP OF TOOL
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 119 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides 6000 ppm Recovery Chlorides 6000 ppm System

(A) Initial Hydrostatic Mud 2287.2 PSI AK1 Recorder No. 13788 Range 4650

(B) First Initial Flow Pressure 58.1 PSI @ (depth) 4592 w / Clock No. 22993

(C) First Final Flow Pressure 59.3 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 826.0 PSI @ (depth) 4557 w / Clock No. 30410

(E) Second Initial Flow Pressure 65.1 PSI AK1 Recorder No. _____ Range _____

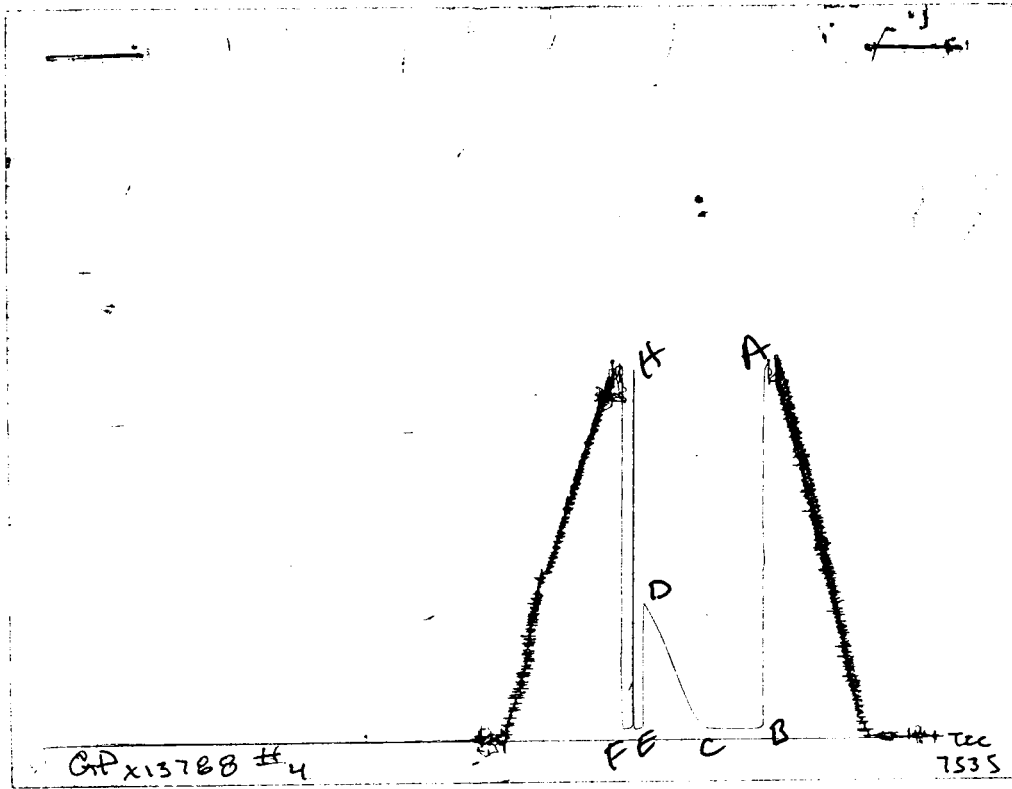
(F) Second Final Flow Pressure 67.4 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 0.0 PSI Initial Opening 30 Final Flow 15

(H) Final Hydrostatic Mud 2169.7 PSI Initial Shut-in 60 Final Shut-in _____

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CHART PAGE



This is an actual photograph of recorder chart 13788

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2221	2287.2
(B) FIRST INITIAL FLOW PRESSURE	37	58.1
(C) FIRST FINAL FLOW PRESSURE	39	59.3
(D) INITIAL CLOSED-IN PRESSURE	811	826
(E) SECOND INITIAL FLOW PRESSURE	41	65.1
(F) SECOND FINAL FLOW PRESSURE	45	67.4
(G) FINAL CLOSED-IN PRESSURE	0	0
(H) FINAL HYDROSTATIC MUD	2193	2169.7

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Drill-Stem Test Data

Well Name SCHMIDT #1-7 Test No. 5 Date 8/29/94
Company CROSS BAR PETROLEUM INC. Zone MISS
Address 220 W. DOUGLAS/SWT #140 WICHITA KS 67202 Elevation 2178 KB
Co. Rep./Geo. STEVE DAVIS Cont. MURFIN #21 Est. Ft. of Pay _____
Location: Sec. 7 Twp. 29S Rge. 17W Co. KIOWA State KS

Interval Tested 4764-4853 Drill Pipe Size 4.5" XH
Anchor Length 89 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4759 Drill Collar - 2.25 Ft. Run 120
Bottom Packer Depth 4764 Mud Wt. 9.1 lb/Gal.
Total Depth 4853 Viscosity 49 Filtrate 8.0

Tool Open @ 11:15 A.M. Initial Blow STRONG BLOW (GAS TO SURFACE IN 6 1/2 MIN)
SEE GAS VOLUME REPORT

Final Blow STRONG BLOW-SEE GAS VOLUME REPORT

Recovery - Total Feet 182 Flush Tool? NO

Rec. 4585 Feet of GAS IN PIPE
Rec. 182 Feet of DRILLING MUD 9%WATER/91%MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 129 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW 1.51 @ _____ °F Chlorides 6600 ppm Recovery Chlorides 6000 ppm System

(A) Initial Hydrostatic Mud 2359.9 PSI AK1 Recorder No. 13788 Range 4650

(B) First Initial Flow Pressure 104.8 PSI @ (depth) 4850 w / Clock No. 22993

(C) First Final Flow Pressure 110.6 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 1586.0 PSI @ (depth) 4845 w / Clock No. 30410

(E) Second Initial Flow Pressure 103.7 PSI AK1 Recorder No. _____ Range _____

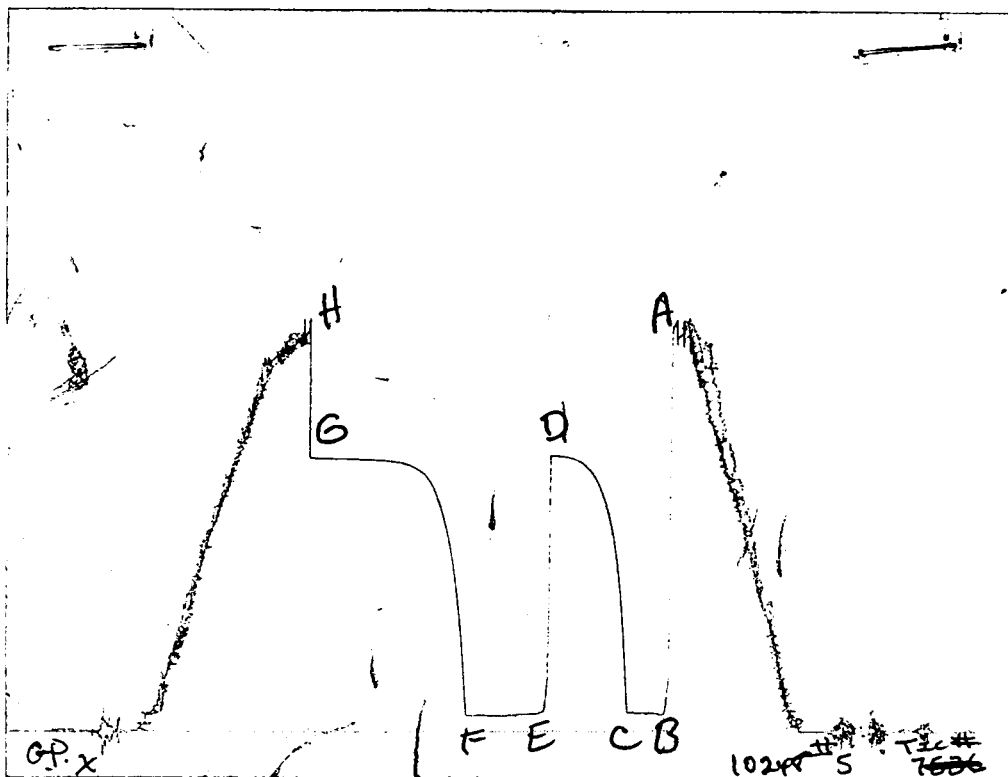
(F) Second Final Flow Pressure 94.4 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 1572.9 PSI Initial Opening 30 Final Flow 60

(H) Final Hydrostatic Mud 2253.1 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	2316	2359.9
(B) FIRST INITIAL FLOW PRESSURE	87	104.8
(C) FIRST FINAL FLOW PRESSURE	107	110.6
(D) INITIAL CLOSED-IN PRESSURE	1578	1586
(E) SECOND INITIAL FLOW PRESSURE	107	103.7
(F) SECOND FINAL FLOW PRESSURE	91	94.4
(G) FINAL CLOSED-IN PRESSURE	1568	1572.9
(H) FINAL HYDROSTATIC MUD	2272	2253.1

GAS VOLUME REPORT

CROSS BAR PETROLEUM INC.

SCHMIDT #1-7

DST # 5

MIN	INCHES WATER	ORIFICE	MCF/D	MIN	PSIG INS OF WATER	ORIFICE	MCF/D
6.5	GAS TO SURFACE			10	28	0.5	222
10	12	0.5	129	20	18	0.5	166
20	14	0.5	141	30	16	0.5	153
30	14	0.5	141	40	16	0.5	153
				50	16	0.5	153
				55	16	0.5	153

Remarks:

552846

NATURAL GAS ANALYSIS REPORT

Sampled by:
Trilobite Testing, L.L.C.
Hays, Kansas
Scott City, Kansas
Phone: 800-728-5369
Fax: 913-625-5620

Analyzed by:
Caraway Analytical, L.L.C.
728 North Roosevelt
Liberal, Kansas 67901
Phone: 316-324-5389
Fax: 316-626-7108

Lab Number:	940439	Analyzed:	08/31/68
Sample From:	Schmidt #1-7 DST 5	Pressure:	
Producer:	Cross Bar Petroleum	Temperature:	
Date:		Location:	7-29S-17W
Time:		County:	Kiowa
Sampler:		State:	Kansas
Source:		Formation:	Mississippi

	Mole %	GPM
Helium	He: 0.272	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 2.848	0.000
Carbon Dioxide	CO2: 0.000	0.000
Methane	C1: 89.963	0.000
Ethane	C2: 3.928	1.051
Propane	C3: 1.576	0.434
Iso Butane	iC4: 0.232	0.076
Normal Butane	nC4: 0.516	0.163
Iso Pentane	iC5: 0.086	0.031
Normal Pentane	nC5: 0.193	0.070
Hexanes Plus	C6+: 0.386	0.168
TOTAL:	100.000	1.993
Z Fact:	0.9976	
SP.GR.:	0.6269	
BTU (SAT):	1059.4 @ 14.73 psia	
BTU (DRY):	1078.1 @ 14.73 psia	
OCTANE RATING:	123.5	

COMMENTS: