

Well Name: KANE #1-7
Company : CROSS BAR PETROLEUM INC
Location - Sec: 7 **Twp:** 30S **Rge:** 17W
County: KIOWA **State:** KS
Date: 11/22/95

TRILOBITE TESTING L.L.C.

OPERATOR : Crossbar Petroleum

DATE 11-16-95

WELL NAME: Kane #1-7

KB 0.00 ft

TICKET NO: 8654 DST #1

LOCATION : 7-30S-17W, Kiowa Cty KS

GR 0.00 ft

FORMATION: Cottonwood

INTERVAL : 2932.00 To 2980.00 ft

TD 2980.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	24174	24174	10992			PF Fr. 1835 to 1905 hr
SI 60 Range(Psi)	3050.0	3050.0	4995.0	0.0	0.0	IS Fr. 1905 to 2005 hr
SF 45 Clock(hrs)	AK-1	AK-1	AK-1			SF Fr. 2005 to 2050 hr
FS 90 Depth(ft)	2934.0	2934.0	2939.0	0.0	0.0	FS Fr. 2050 to 2220 hr

	Field	1	2	3	4	
A. Init Hydro	1371.0	1368.0	0.0	0.0	0.0	T STARTED 1740 hr
B. First Flow	324.0	321.0	0.0	0.0	0.0	T ON BOTM 1832 hr
Bl. Final Flow	682.0	679.0	0.0	0.0	0.0	T OPEN 1835 hr
C. In Shut-in	994.0	994.0	0.0	0.0	0.0	T PULLED 2220 hr
D. Init Flow	759.0	756.0	0.0	0.0	0.0	T OUT 2355 hr
E. Final Flow	926.0	926.0	0.0	0.0	0.0	
F. Fl Shut-in	1001.0	1001.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1326.0	1320.0	0.0	0.0	0.0	Tool Wt. 3500.00 lbs
Inside/Outside	I	I	O			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 80000.00 lbs
						Initial Str Wt 68000.00 lbs
						Unseated Str Wt 78000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 466.00 ft
						D.P. Length 2448.00 ft

RECOVERY

Tot Fluid 1850.00 ft of 466.00 ft in DC and 1384.00 ft in DP
 150.00 ft of Muddy water
 1700.00 ft of Gassy salt water

RW .16 @ 60 F

SALINITY 60000.00 P.P.M. A.P.I. Gravity 28.00

BLOW DESCRIPTION

Initial Blow -
 Very strong bottom of bucket in 30 seconds; Gas to surface in 4 minutes

Initial Shutin -
 3" blow on shutin

Final Blow -
 Fair blow built to bottom of bucket in 90 seconds; Gas too small to measure

Final Shutin -
 Blow built to 3"

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.00 lb/cf
Vis.	45.00 S/L
W.L.	10.50 in3
F.C.	0.00 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	94.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Paul Simpson
Co. Rep.	Steve Davis
Contr.	Eagle
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

GAS RECOVERY

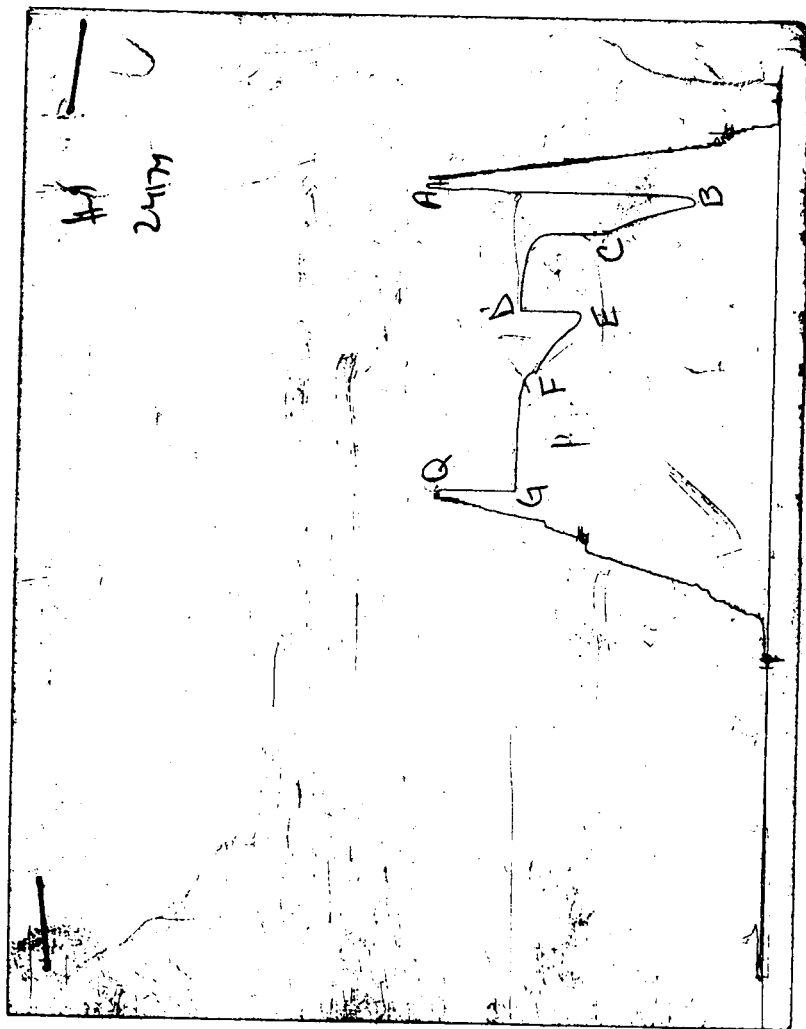
COMPANY: Crossbar Petroleum
WELL NAME: Kane #1-7
WELL LOCATION: 7-30S-17W, Kiowa Cty KS
INTERVAL Fr.: 2932.00 To 2980.00 T.D.: 2980.00 ft
DATE: 11-16-95
KB Elev: 0.00 ft
GR Elev: 0.00 ft
TICKET #8654
DST #1
FORMATION: Cottonwood
TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH Merla

***** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
4	0.75	0	26	72400.0
10	0.50	0	10	19900.0
20	0.50	0	10	19900.0
30	0.50	0	10	19900.0

CHART PAGE



This is an actual photograph of recorder chart

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Kane #1-7

LOCATION : 7-30S-17W, Kiowa Cty KS

TICKET No. 8654 D.S.T. No. 1 DATE 11-16-95

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 17

TOTAL TOOL 44

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single 1 Total 31

TOTAL ASSEMBLY 75

D.C. ABOVE TOOLS.Stands7 Single 1 Total 466

D.P. ABOVE TOOLS.Stands39 Single 1 Total 2448

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 2989

TOTAL DEPTH 2980

TOTAL DRILL PIPE ABOVE K.B. 9

REMARKS:

P.O. SUB	
C.O. SUB changeover sub	2905
S.I. TOOL Shutin tool	2911
HMV Hydraulic tool	2916
JARS sterling	2921
SAFETY JOINT 2 ft	2923
PACKER Top Packer	2927
PACKER Bottom Packer	2932
DEPTH 2932	
STUBB 1'	2933
ANCHOR	
1' perf	2934
AK-1 recorder	2934
4' perf	2938
AK-1 recorder	2939
5' perf & sub	2943
T.C.	
DEPTH	
1 drill collar &	
subs to	2977
BULLNOSE 3' bullplug	
T.D.	2980



GAS VOLUME REPORT

Crossbar Jet
OPERATOR

Kane 1-7

WELL NAME AND NO.

DST NO.

Remarks:

6TS 4mg - bungs

TRILOBITE TESTING L.L.C.

OPERATOR : Cross Bar Petroleum Inc
WELL NAME: Kane #1-7
LOCATION : 7-30S-17W, Kiowa Cty KS
INTERVAL : 3198.00 To 3250.00 ft

DATE 11/17/95
KB 2102.00 ft TICKET NO: 8680 DST #2
GR 2089.00 ft FORMATION: Americus
TD 3250.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10248	10248	13789			PF Fr. 1650 to 1720 hr
SI 60 Range(Psi)	4400.0	4400.0	0.0	0.0	0.0	IS Fr. 1720 to 1820 hr
SF 45 Clock(hrs)	AK-1	AK-1	AK-1			SF Fr. 1820 to 1905 hr
FS 90 Depth(ft)	3247.0	3247.0	3212.0	0.0	0.0	FS Fr. 1905 to 2035 hr

	Field	1	2	3	4	
A. Init Hydro	1526.0	1577.0	0.0	0.0	0.0	T STARTED 1515 hr
B. First Flow	30.0	48.0	0.0	0.0	0.0	T ON BOTM 1645 hr
B1. Final Flow	32.0	50.0	0.0	0.0	0.0	T OPEN 1650 hr
C. In Shut-in	1111.0	1118.0	0.0	0.0	0.0	T PULLED 2035 hr
D. Init Flow	30.0	41.0	0.0	0.0	0.0	T OUT 2215 hr
E. Final Flow	32.0	47.0	0.0	0.0	0.0	
F. Fl Shut-in	1111.0	1118.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1469.0	1518.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	O	O	I			Wt Set On Packer 21000.00 lbs
						Wt Pulled Loose 6500000.00 lbs
						Initial Str Wt 56000.00 lbs
						Unseated Str Wt 56000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 245.00 ft
						D.P. Length 2941.00 ft

RECOVERY

Tot Fluid 20.00 ft of 20.00 ft in DC and 0.00 ft in DP
20.00 ft of Drilling mud

SALINITY 6200.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Blow -
Strong blow, bottom of bucket in
4-5 sec

Final Blow -
Strong blow, bottom of bucket
immediately; Gas to surface in 2 min

SAMPLES:
SENT TO:

MUD DATA-----
Mud Type Chemical
Weight 9.10 lb/cf
Vis. 45.00 S/L
W.L. 9.20 in3
F.C. 0.00 in
Mud Drop
Amt. of fill 0.00 ft
Btm. H. Temp. 104.00 F
Hole Condition
% Porosity 0.00
Packer Size 6.75 in
No. of Packers 2
Cushion Amt. 0.00
Cushion Type
Reversed Out
Tool Chased
Tester Gary Pevoteaux
Co. Rep. Steve Davis
Contr. Eagle
Rig # 1
Unit #
Pump T.

Test Successful: Y

DATE: 11/17/95

KB Elev: 2102.00 ft TICKET #8680 DST #2

GR Elev: 2089.00 ft FORMATION: Americus

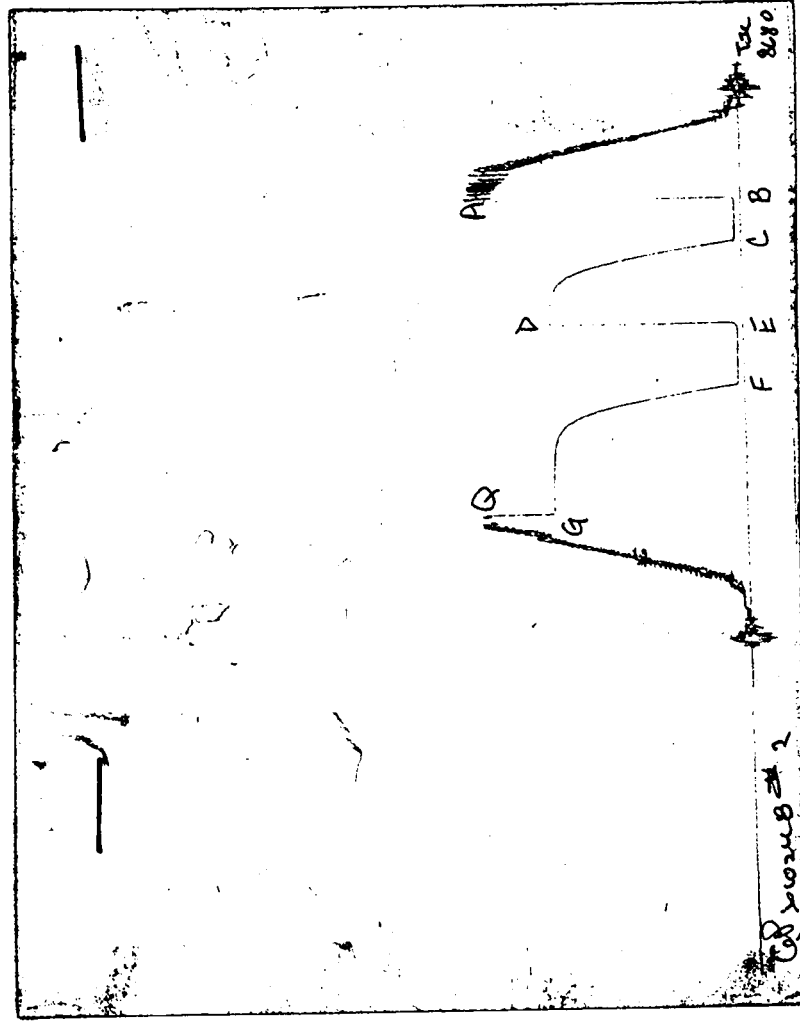
INTERVAL Fr.: 3198.00 To 3250.00 T.D.: 3250.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH Merla

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	0.50	0	3	10100.0
10	0.25	0	10	5320.0
20	0.25	0	20	7510.0
30	0.25	0	26	8560.0
40	0.25	0	26	8560.0

CHART PAGE



This is an actual photograph of recorder chart

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

No 8680

Test Ticket

Well Name & No.	KANE #1-7	Test No.	2	Date	11-17-95
Company	CROSSBAR PETL. INC.	Zone Tested	AMERICUS		
Address	151 N. MAIN STREET 630, WICHITA KS. 67202-1407				
Elevation	2102	KB	2089	GL	
Co. Rep / Geo.	STEVE DAVIS	Cont.	EAGLE DRUG. #1	Est. Ft. of Pay	10
Por.	10	%			
Location: Sec.	7	Twp.	30 ^S	Rge.	17 ^W
Co.	KIOWA	State	KS		
No. of Copies	6	Distribution Sheet (Y, N)		Turnkey (Y, N)	
Evaluation (Y, N)					

Interval Tested 3198 - 3250' Initial Str Wt./Lbs. 56,000 Unseated Str Wt./Lbs. 56,000
Anchor Length 52' Wt. Set Lbs. 21,000 Wt. Pulled Loose/Lbs. 65,000
Top Packer Depth 3193' Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓
Bottom Packer Depth 3198' Wt. Pipe I.D. — 2.7 Ft. Run NONE
Total Depth 3250' Drill Collar — 2.25 Ft. Run 245'
Mud Wt. 9.1 LCM ~ Vis. 45 WL 9.2cc Drill Pipe Size 4 1/2" X.H. Ft. Run 2941
Blow Description IF; Strong blow. Btm. of bucket in 4-5 secs.

FF; Strong blow. Btm. of bucket immediately. G.T.S. in 2 mins.
(see gas volume report)

Recovery — Total Feet	20	Ft. in DC	20	Ft. in WP	~	Ft. in DP	~
Rec.	20	Feet Of	Dreg Mud.	%gas	%oil	%water	%mud
Rec.		Feet Of		%gas	%oil	%water	%mud
Rec.		Feet Of		%gas	%oil	%water	%mud
Rec.		Feet Of		%gas	%oil	%water	%mud
Rec.		Feet Of		%gas	%oil	%water	%mud

BHT 104 °F Gravity N.A. °API D@ ~ °F Corrected Gravity N.A. °API

RW N.C. @ ~ °F Chlorides 6,200 ppm Recovery Chlorides 6,200 ppm System

(A) Initial Hydrostatic Mud	1526	PSI	Recorder No.	10248	T-Started	1515
(B) First Initial Flow Pressure	30	PSI	@ (depth)	3247'	T-Open	1650
(C) First Final Flow Pressure	32	PSI	Recorder No.	13789	T-Pulled	2035
(D) Initial Shut-in Pressure	1111	PSI	@ (depth)	3212'	T-Out	2215
(E) Second Initial Flow Pressure	30	PSI	Recorder No.	~		
(F) Second Final Flow Pressure	32	PSI	@ (depth)	~		
(G) Final Shut-in Pressure	1111	PSI	Initial Opening	30	Test	✓ 600
(H) Final Hydrostatic Mud	1469	PSI	Initial Shut-in	60	Jars	✓ 200

Final Flow 45 Safety Joint ✓ 50

Final Shut-in 90 Straddle

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By [Signature]

Our Representative [Signature]

Elect. Rec.

Other

TOTAL PRICE \$ ✓ 850.00



GAS VOLUME REPORT

2
DST NO.

FINAL OPEN

Remarks:

TRILOBITE TESTING L.L.C.

OPERATOR : Cross Bar Petroleum Inc
WELL NAME: Kane #1-7
LOCATION : 7-30S-17W, Kiowa Cty KS
INTERVAL : 3469.00 To 3502.00 ft

DATE 11/18/95
KB 2102.00 ft TICKET NO: 8681 DST #3
GR 2089.00 ft FORMATION: Emporia
TD 3502.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 45 Rec.	10248	10248	13789			PF Fr. 1320 to 1405 hr
SI 60 Range(Psi)	4400.0	4400.0	0.0	0.0	0.0	IS Fr. 1405 to 1505 hr
SF 45 Clock(hrs)	AK-1	AK-1	AK-1			SF Fr. 1505 to 1550 hr
FS 60 Depth(ft)	3499.0	3499.0	3494.0	0.0	0.0	FS Fr. 1550 to 1650 hr

	Field	1	2	3	4	
A. Init Hydro	1635.0	1681.0	0.0	0.0	0.0	T STARTED 1140 hr
B. First Flow	91.0	101.0	0.0	0.0	0.0	T ON BOTM 1315 hr
Bl. Final Flow	519.0	539.0	0.0	0.0	0.0	T OPEN 1320 hr
C. In Shut-in	1192.0	1203.0	0.0	0.0	0.0	T PULLED 1650 hr
D. Init Flow	548.0	566.0	0.0	0.0	0.0	T OUT 1835 hr
E. Final Flow	782.0	791.0	0.0	0.0	0.0	
F. Fl Shut-in	1196.0	1209.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1574.0	1671.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 74000.00 lbs
						Initial Str Wt 58000.00 lbs
						Unseated Str Wt 67000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 245.00 ft
						D.P. Length 3020.00 ft

RECOVERY

Tot Fluid 1550.00 ft of 245.00 ft in DC and 1305.00 ft in DP
130.00 ft of Muddy water - 72% water, 28% mud
1420.00 ft of Salt water - 100% water

RW .12 @ 62 F
SALINITY 80000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Blow -
Strong blow, bottom of bucket in 3 min

Final Blow -
Strong blow, bottom of bucket in
4.5 min

SAMPLES:
SENT TO:

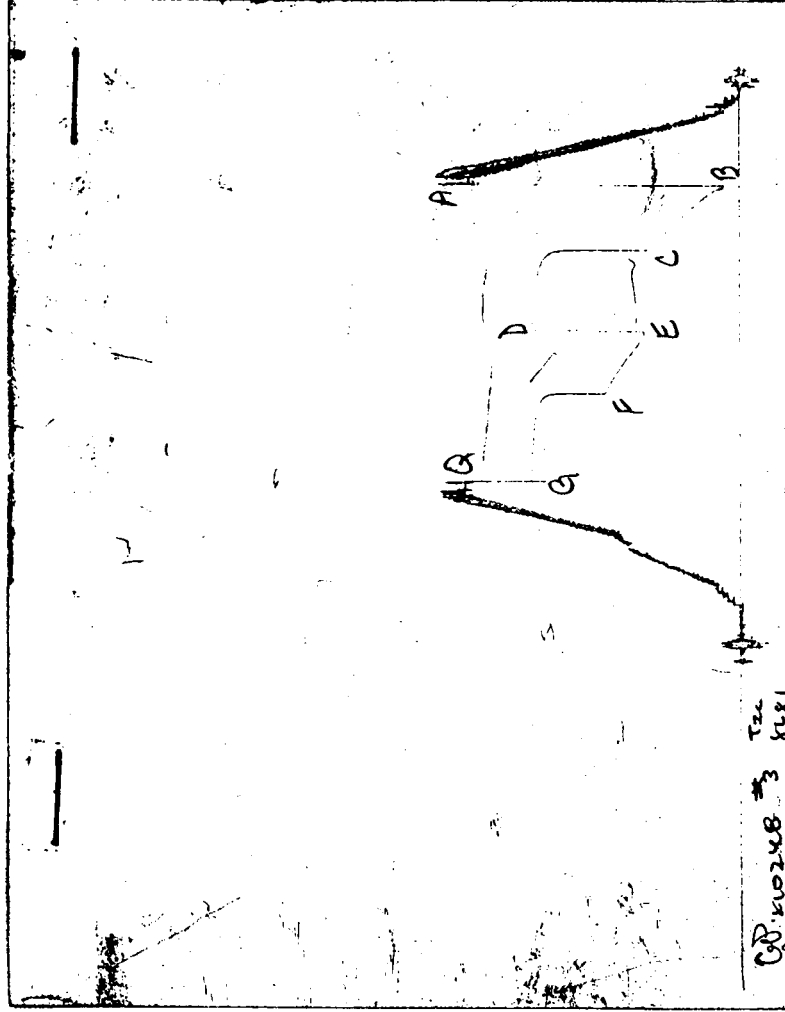
MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/c
Vis.	47.00 S/L
W.L.	11.50 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	114.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Gary Pevoteaux
Co. Rep.	Steve Davis
Contr.	Eagle
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

CHART PAGE



This is an actual photograph of recorder chart

TRILOBITE TESTING L.L.C.

OPERATOR : Cross Bar Petroleum Inc
WELL NAME: Kane #1-7
LOCATION : 7-30s-17w Kiowa cty
INTERVAL : 4745.00 To 4784.00 ft

DATE 11/21/95
KB 2102.00 ft TICKET NO: 8682 DST #4
GR 2089.00 ft FORMATION: Altamont
TD 4784.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13788	13788	10248			PF Fr. 1510 to 1540 hr
SI 30 Range(Psi)	4650.0	4650.0	4400.0	0.0	0.0	IS Fr. 1540 to 1610 hr
SF 30 Clock(hrs)	AK-1	AK-1	AK-1			SF Fr. 1610 to 1640 hr
FS 60 Depth(ft)	4781.0	4781.0	4776.0	0.0	0.0	FS Fr. 1640 to 1740 hr

	Field	1	2	3	4	
A. Init Hydro	2279.0	2298.0	0.0	0.0	0.0	T STARTED 1315 hr
B. First Flow	21.0	33.0	0.0	0.0	0.0	T ON BOTM 1505 hr
B1. Final Flow	21.0	38.0	0.0	0.0	0.0	T OPEN 1510 hr
C. In Shut-in	37.0	52.0	0.0	0.0	0.0	T PULLED 1740 hr
D. Init Flow	23.0	34.0	0.0	0.0	0.0	T OUT 1930 hr
E. Final Flow	23.0	37.0	0.0	0.0	0.0	
F. Fl Shut-in	42.0	56.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2251.0	2242.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 80000.00 lbs
						Initial Str Wt 70000.00 lbs
						Unseated Str Wt 70000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.87 in
						D Col. ID 2.70 in
						D. Pipe ID 3.80 in
						D.C. Length 245.00 ft
						D.P. Length 4486.00 ft

RECOVERY

Tot Fluid 20.00 ft of 20.00 ft in DC and 0.00 ft in DP
20.00 ft of Drilling mud (good odor)

SALINITY 4600.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow -
Weak blow (1/2 - 1")

Final Flow -
Weak blow (1/1 - 1")

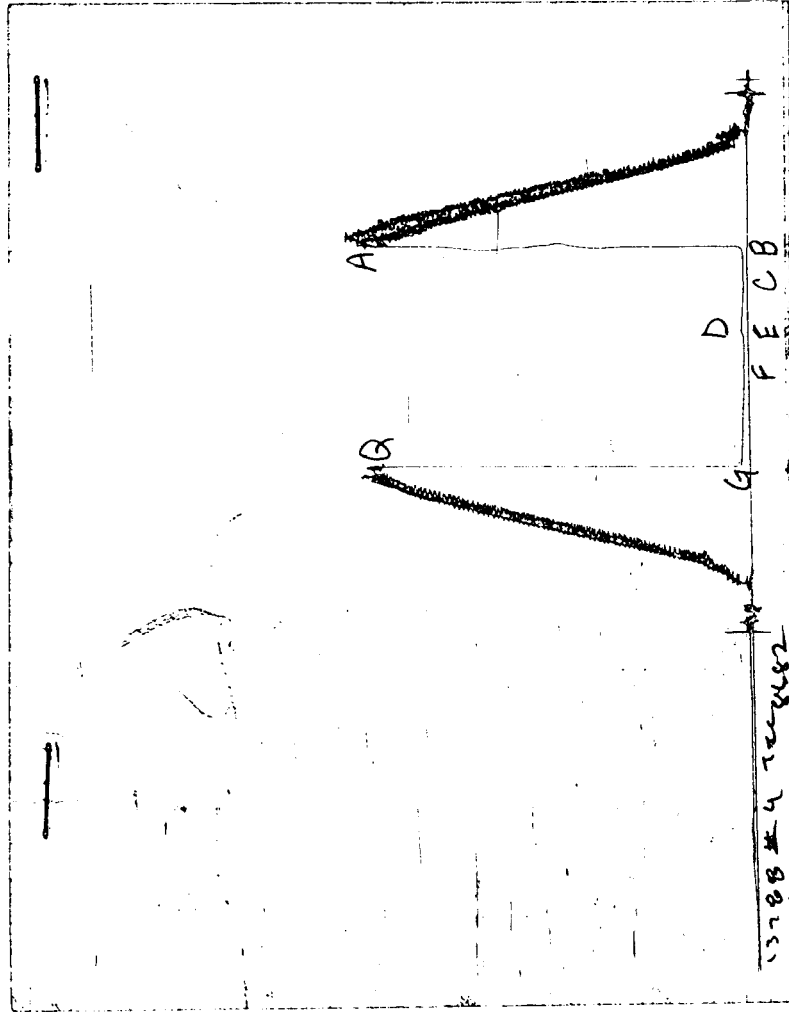
SAMPLES:
SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.20 lb/c
Vis.	45.00 S/L
W.L.	7.90 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	122.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Gary Pevoteaux
Co. Rep.	Thomas Blair
Contr.	Eagle drilling
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

CHART PAGE



This is an actual photograph of recorder chart

TRILOBITE TESTING L.L.C.

OPERATOR : Cross Bar Petroleum Inc
WELL NAME: Kane #1-7
LOCATION : 7-30s-17w Kiowa cty
INTERVAL : 4870.00 To 4995.00 ft

DATE 11/22/95
KB 2102.00 ft TICKET NO: 8683 DST #5
GR 2089.00 ft FORMATION: Mississippi
TD 4995.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	13788	13788	10248			PF Fr. 2145 to 2215 hr
SI 60	Range(Psi)	4650.0	4650.0	4400.0	0.0	0.0	IS Fr. 2215 to 2315 hr
SF 45	Clock(hrs)	AK-1	AK-1	AK-1			SF Fr. 2315 to 2400 hr
FS 90	Depth(ft)	4992.0	4992.0	4890.0	0.0	0.0	FS Fr. 2400 to 0130 hr

	Field	1	2	3	4	
A. Init Hydro	2386.0	2407.0	0.0	0.0	0.0	T STARTED 1930 hr
B. First Flow	116.0	113.0	0.0	0.0	0.0	T ON BOTM 2140 hr
B1. Final Flow	186.0	186.0	0.0	0.0	0.0	T OPEN 2145 hr
C. In Shut-in	1488.0	1475.0	0.0	0.0	0.0	T PULLED 0130 hr
D. Init Flow	186.0	172.0	0.0	0.0	0.0	T OUT 0335 hr
E. Final Flow	202.0	191.0	0.0	0.0	0.0	
F. Fl Shut-in	1385.0	1390.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2356.0	2363.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 21000.00 lbs
						Wt Pulled Loose 83000.00 lbs
						Initial Str Wt 71000.00 lbs
						Unseated Str Wt 71000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.87 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 155.00 ft
						D.P. Length 4700.00 ft

RECOVERY

Tot Fluid 210.00 ft of 155.00 ft in DC and 55.00 ft in DP
55.00 ft of Heavy Drilling Mud
155.00 ft of Muddy Water 68%water - 32% mud

SALINITY 45000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow -
Weak blow (1/2 - 3/4" in water)

Final Flow -
Weak blow (1/2 - 4" in water)

SAMPLES:
SENT TO:

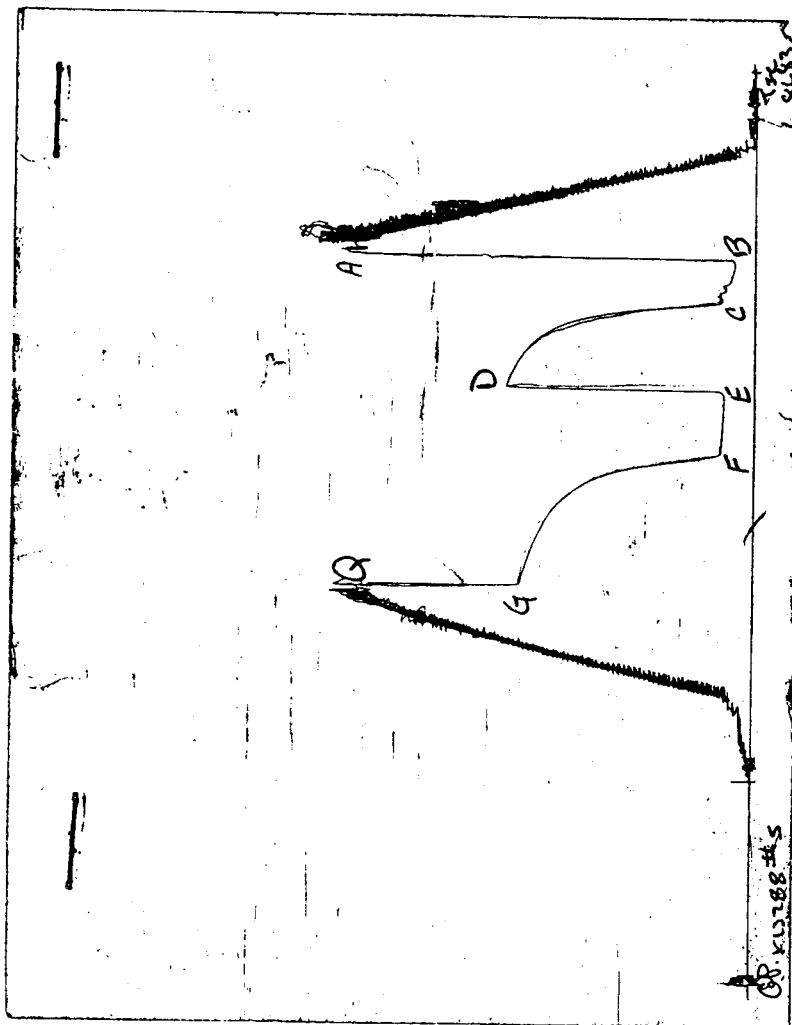
MUD DATA-----

Mud Type	Chemical
Weight	9.20 lb/c
Vis.	50.00 S/L
W.L.	8.00 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	1320.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Gary Pevoteaux
Co. Rep.	Thomas Blair
Contr.	Eagle drilling
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

CHART PAGE



This is an actual photograph of recorder chart