

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 4243

Name: CROSS BAR PETROLEUM, INC.

Address 7570 W. 21ST, BLDG 1014-B

City/State/Zip WICHITA KS 67205

Purchaser: N/A

Operator Contact Person: ALBERT BRENSING

Phone (316) 721-4999 **RELEASED**

Contractor: Name: MALLARD JV, INC. **JAN 29 1999**

License: 4958

Wellsite Geologist: STEVE DAVIS **FROM CONFIDENTIAL**

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SIOW Temp. Abd.

Gas ENHR SIGW

Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD

Plug Back PBDT

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

10-23-97 11-03-97
Spud Date Date Reached TD Completion Date

API NO. 15- 171-205200000

County SCOTT

W/2 SE Sec. 9 Twp. 19S Rge. 33 X W ^E

1320 Feet from (S)X (circle one) Line of Section

1980 Feet from (E)X (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, (SE) NW or SW (circle one)

Lease Name HANSEN Well # 1-9

Field Name MILLRICH

Producing Formation _____

Elevation: Ground 2955' KB 2960'

Total Depth 4770' P8TD 4900'

Amount of Surface Pipe Set and Cemented at 11 JTS @ 405; KB

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____
Washed down but drilled out of old hole. TD Plugged.
feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan HA, 8-20-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 20,000 ppm Fluid volume 600 bbls

Dewatering method used Allow to evaporate and then fill in pits.

Location of fluid disposal if hauled offsite: 11-14-97

Operator Name NUU

Lease Name NOV 10 License No. _____

Quarter CONFIDENTIAL S Rng. E/W

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature [Signature]

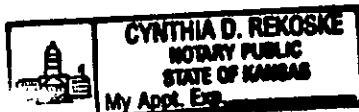
Title ALBERT BRENSING, PRESIDENT Date 11/04/97

Subscribed and sworn to before me this 4th day of November, 1997.

Notary Public Cynthia D. Rekoske

Date Commission Expires 7-24-2000

K.C.C. OFFICE USE ONLY		
F	<input checked="" type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
C	<input checked="" type="checkbox"/>	Geologist Report Received
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug
		<input type="checkbox"/> NGPA
		<input type="checkbox"/> Other
		(Specify)



Operator Name CROSS BAR PETROLEUM, INC. Lease Name HANSEN Well # 1-9

Sec. 9 Twp. 19S Rge. 33W East West County SCOTT

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No (Attach Additional Sheets.)
Samples Sent to Geological Survey Yes No
Cores Taken Yes No
Electric Log Run Yes No (Submit Copy.)
List All E.Logs Run: Geologist's Report, Dual Induction Log, Dual Compensated Porosity Log

Log Formation (Top), Depth and Datums Sample
Name Top Datum

SEE EXHIBIT 'A' ATTACHED HERETO FOR FORMATION TOPS
PLEASE KEEP THIS INFORMATION CONFIDENTIAL

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
SURFACE	12-1/4	8-5/8"	23#	405'	60/40 Pozmix	250	2% Gel, 2% CC

Purpose: Plugging ___ Perforate ___ Protect Casing ___ Plug Back ID ___ Plug Off Zone	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			

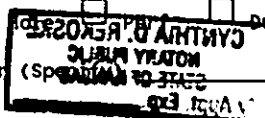
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth	

TUBING RECORD Size Set At Packer At Liner Run Yes No

Date of First, Resumed Production, SMD or Inj. N/A Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil N/A Bbls. Gas N/A Mcf Water Bbls. Gas-Oil Ratio Gravity

Disposition of Gas: METHOD OF COMPLETION Production Interval
 Vented Sold Used on Lease (If vented, submit ACO-18.) Open Dually Comp. Commingled
 Other (Specify) _____



ORIGINAL

Cross Bar Petroleum, Inc. #1-9 Hansen

W/2 SE Section 9-T19S-R33W

(1320' FSL and 1980' FEL), Scott Co., Kansas

KB: 2960' PTD: 4900' API: #15-171-205200000

Contractor: Mallard JV, Inc.

Wellsite Geologist: Steve Davis

CONFIDENTIAL

RELEASED

JAN 29 1999

Exhibit A of ACO-1

FROM CONFIDENTIAL

Results of DST #1,

3607-3714(-647-794), Topeka/Oread, 30-60-30-60, 1st open-fair to good blow, 2nd open fair blow throughout. Recovered 300' water cut mud with trace of oil (1% oil, 19% water, 80% mud), 153' mud cut water with trace of oil (1% oil, 49% water, 50% mud), 300' mud cut water (30% mud, 70% water), IHP 1701, IFP 56-179, ISIP 950, FFP 213-269, FSIP 928, FHP 1690, BHT 106 degrees. Strap: 1.39' short to board. Straight hole survey 3/4 degree.

Results of DST #2,

3758-88(-798-828), Oread, 30-30-5-0, 1st open-weak blow died in 10 mins. 2nd open- no blow, flushed tool, no help, out. Recovered 5' drilling mud. IHP 1813, IFP 56-44, ISIP 973, FFP 67-56, FSIP N/A, FHP 1802, BHT 104 degrees F.

Results of DST #3,

4124-50(-1164-90), Upper Lansing "H" zone, 30-30-15-0. 1st open- surface blow dead in 10 mins. 2nd open- no blow, flushed tool, no help, out. Recovered 5' drilling mud. IHP 2049, IFP 22-11, ISIP 828, FFP 22-11, FSIP N/A, FHP 2027, BHT 110 degrees F.

Results of DST #4,

4306-4425(-1346-1465), Marmaton. 30-30-10-0, 1st open--weak blow died in 20", 2nd open--no blow, flushed tool, no help, out. Recovered 63' drilling mud, IHP 2162, IFP 56-67, ISIP 774, FFP 78-67, FSIP N/A, FHP 2140, BHT 111 degrees F.

Results of DST #5,

4592-4610(-1632-50), Cherokee Bryazoan reef, 30-30-10-0, 1st open-- weak blow died in 18mins. 2nd open no blow, flushed tool, no help, out. Recovered 15' drilling mud with scum oil on top. IHP 2321, IFP 44-33, ISIP 883, FFP 56-44. FSIP N/A, FHP 2298, BHT 118 degrees

Log Tops	Depth/Subsea
Heebner	3853' (-893')
Toronto	3872' (-912')
Lansing	3904' (-944')
Stark	4245' (-1285')
Marmaton	4347' (-1387')
Cherokee Shale	4465' (-1505')
Morrow shale	4620' (-1660')
Morrow sand	4638' (-1678')
Mississippian Uncf	4691' (-1731')
RTD	4770 (-1810)
LTD	4770 (-1810)

NOV 13
CONFIDENTIAL

ALLIED CEMENTING CO., INC.

8564

Federal Tax I.D.#

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

SERVICE POINT:

Oakley

DATE <u>10-24-97</u>	SEC. <u>9</u>	TWP. <u>19s</u>	RANGE <u>33w</u>	CALLED OUT	ON LOCATION <u>12:00 AM</u>	JOB START <u>4:00 AM</u>	JOB FINISH <u>4:30 AM</u>
LEASE <u>Hansen</u>	WELL # <u>1-9</u>	LOCATION <u>SCOTT CITY 6S.3W 1/2 N</u>		COUNTY <u>SCOTT</u>	STATE <u>KS</u>		

CONTRACTOR Mallard JV Inc

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 406'

CASING SIZE 8 3/4 DEPTH 404'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 27.61

CEMENT LEFT IN CSG. 27.61

PERFS.

DISPLACEMENT

OWNER 39me

CEMENT

AMOUNT ORDERED 250 sks 60/40 Poz
3% Cu 2% Gel

COMMON	<u>150 sks</u>	@	<u>7.55</u>	<u>1,132.50</u>
POZMIX	<u>100 sks</u>	@	<u>3.25</u>	<u>325.00</u>
GEL	<u>5 sks</u>	@	<u>9.50</u>	<u>47.50</u>
CHLORIDE	<u>8 sks</u>	@	<u>28.00</u>	<u>224.00</u>
		@		
		@		
		@		
		@		
HANDLING	<u>250 sks</u>	@	<u>1.05</u>	<u>262.50</u>
MILEAGE	<u>4¢ per sk/mile</u>			<u>570.00</u>

EQUIPMENT

PUMP TRUCK # 191 CEMENTER Dean HELPER Andrew

BULK TRUCK # 218 DRIVER Lonnie

BULK TRUCK # DRIVER

CONFIDENTIAL

FROM CONFIDENTIAL

TOTAL 2,561.50

REMARKS:

Cement did circulate

Thank you

NOV 15

CONFIDENTIAL SERVICE

DEPTH OF JOB	<u>404'</u>			
PUMP TRUCK CHARGE				<u>470.00</u>
EXTRA FOOTAGE	<u>104</u>	@	<u>4.34</u>	<u>447.20</u>
MILEAGE	<u>57-miles</u>	@	<u>2.85</u>	<u>162.45</u>
PLUG	<u>Surface</u>	@		<u>45.00</u>
		@		
		@		

TOTAL 722.12

CHARGE TO: Cross Bar Petroleum Inc

STREET 151 N. Main # 630

CITY Wichita STATE Kansas ZIP 67202-1407

FLOAT EQUIPMENT

<u>1 Baffle Plate</u>	@	<u>135.00</u>
<u>2 Centralizers</u>	@	<u>122.00</u>
	@	
	@	

TOTAL 257.00

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE Roll Hansen

Arnold Hepp
PRINTED NAME

ALLIED CEMENTING CO., INC. 8614

Federal Tax I.D.#

117 TO P.O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

SERVICE POINT: Oakley

DATE: <u>11-4-97</u>	SEC: <u>26</u>	TWP: <u>17</u>	RANGE: <u>22</u>	CALLED OUT	ON LOCATION: <u>12:30 AM</u>	JOB START: <u>1:45 AM</u>	JOB FINISH: <u>4:15 AM</u>
BY: <u>Hansen</u>	WELL #: <u>1-9</u>	LOCATION: <u>Scott City 69-30-12N-4W</u>	COUNTY: <u>Scott</u>	STATE: <u>Kan</u>			

TRACTOR Mallard Dels Co #

E OF JOB PIA

E SIZE 7 1/8 T.D. 4770'

ING SIZE DEPTH

ING SIZE DEPTH

LL PIPE 4 1/2 XH DEPTH 2200'

DEPTH

S. MAX MINIMUM

S. LINE SHOE JOINT

MENT LEFT IN CSG.

PS.

PLACEMENT

EQUIPMENT

MP TRUCK CEMENTER Walt

102 HELPER LEON FROM CONFIDENTIAL

CK TRUCK

212 DRIVER Andrew

CK TRUCK DRIVER

OWNER Sumo

CEMENT

AMOUNT ORDERED 215 SKS 60% pro

6% Gel, 1/4# Flo Seal

COMMON	<u>129</u> SKS	@	<u>7.55</u>	<u>973.95</u>
POZMIX	<u>86</u> SKS	@	<u>3.25</u>	<u>279.00</u>
GEL	<u>11</u> SKS	@	<u>9.50</u>	<u>104.50</u>
CHLORIDE		@		
<u>RELEASED Flo Seal 54 #</u>		@	<u>1.15</u>	<u>62.10</u>
		@		
		@		
		@		
		@		
HANDLING	<u>215</u> SKS	@	<u>1.05</u>	<u>225.75</u>
MILEAGE	<u>44</u> per sk/mile			<u>490.00</u>
				TOTAL <u>2,136.00</u>

REMARKS:

SERVICE

<u>50</u> SKS @ <u>2200'</u>
<u>80</u> SKS @ <u>1100'</u>
<u>50</u> SKS @ <u>420'</u>
<u>10</u> SKS @ <u>40'</u>
<u>15</u> SKS in <u>R.H.</u>
<u>10</u> SKS in <u>mth.</u>

W.L.P.

DEPTH OF JOB	<u>2200'</u>		
PUMP TRUCK CHARGE			<u>580.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>57-miles</u>	@	<u>2.85</u>
PLUG	<u>8 5/8 D.H.</u>	@	<u>23.00</u>
		@	
		@	
TOTAL <u>765.45</u>			

ARGE TO: Cross-Bar Petroleum

REET

Y STATE ZIP

FLOAT EQUIPMENT

Allied Cementing Co., Inc.
 you are hereby requested to rent cementing equipment
 I furnish cementer and helper to assist in operation of
 tractor to do work as is listed. The above work was
 done to satisfaction and supervision of owner agent or
 contractor. I have read & understand the "TERMS AND
 CONDITIONS" listed on the reverse side.

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE Mallard Dels Co

PRINTED NAME

ORIGINAL

CONFIDENTIAL

WELL NAME: Hansen # 1-9
COMPANY: Cross Bar Petroleum Inc
LOCATION: 3-19S-33W
Scott County Kansas
DATE: 11/10/97

15-171-20520-00-00

RELEASED

JAN 29 1999

FROM CONFIDENTIAL

NOV 13
CONFIDENTIAL

CONFIDENTIAL

ORIGINAL

TRILOBITE TESTING L.L.C.

OPERATOR : Cross Bar Petroleum Inc
WELL NAME: Hansen # 1-9
LOCATION : 3-19S-33W Scott Co KS
INTERVAL : 3607.00 To 3754.00 ft

DATE 10/29/97

KB 2962.00 ft TICKET NO: 10457 DST #1
GR 2957.00 ft FORMATION: Topeka
TD 3754.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11057	11057	11058			PF Fr. 0315 to 0345 hr
SI 60 Range(Psi)	4500.0	4500.0	4475.0	0.0	0.0	IS Fr. 0345 to 0445 hr
JF 30 Clock(hrs)	12 hr	12 hr	12 hr			SF Fr. 0445 to 0515 hr
FS 60 Depth(ft)	3622.0	3622.0	3751.0	0.0	0.0	FS Fr. 0515 to 0615 hr

	Field	1	2	3	4
A. Init Hydro	1701.0	1687.0	0.0	0.0	0.0
B. First Flow	56.0	64.0	0.0	0.0	0.0
31. Final Flow	179.0	172.0	0.0	0.0	0.0
2. In Shut-in	950.0	941.0	0.0	0.0	0.0
D. Init Flow	213.0	238.0	0.0	0.0	0.0
E. Final Flow	269.0	268.0	0.0	0.0	0.0
F. Fl Shut-in	928.0	927.0	0.0	0.0	0.0
J. Final Hydro	1690.0	1668.0	0.0	0.0	0.0
Inside/Outside	0	0	I		

T STARTED 0120 hr
T ON BOTM 0300 hr
T OPEN 0315 hr
T PULLED 0615 hr
T OUT 0815 hr

TOOL DATA-----

Tool Wt. 5000.00 lbs
Wt Set On Packer 27000.00 lbs
Wt Pulled Loose 65000.00 lbs
Initial Str Wt 54000.00 lbs
Unseated Str Wt 57000.00 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 248.00 ft
D.P. Length 3481.00 ft

RECOVERY

Net Fluid 753.00 ft of 248.00 ft in DC and 505.00 ft in DP
300.00 ft of Watery Mud With Oil Scum
0.00 ft of 20%water 80%mud
153.00 ft of Muddy Water with Oil Scum
0.00 ft of 50%mud 50%water
300.00 ft of Mud cut water
0.00 ft of 30%mud 70%water
0.00 ft of
0.00 ft of RW .31 @ 65 F
SALINITY 24500.00 P.P.M. A.P.I. Gravity 0.00

NOV 13
CONFIDENTIAL

BLOW DESCRIPTION

Initial Flow:
Surface blow built to 11"

Initial Shut In:
No Return

Final Flow:
Surface blow in 1 min, built to 2"

Final Shut In:
No Return

SAMPLES:
SENT TO:

MUD DATA-----

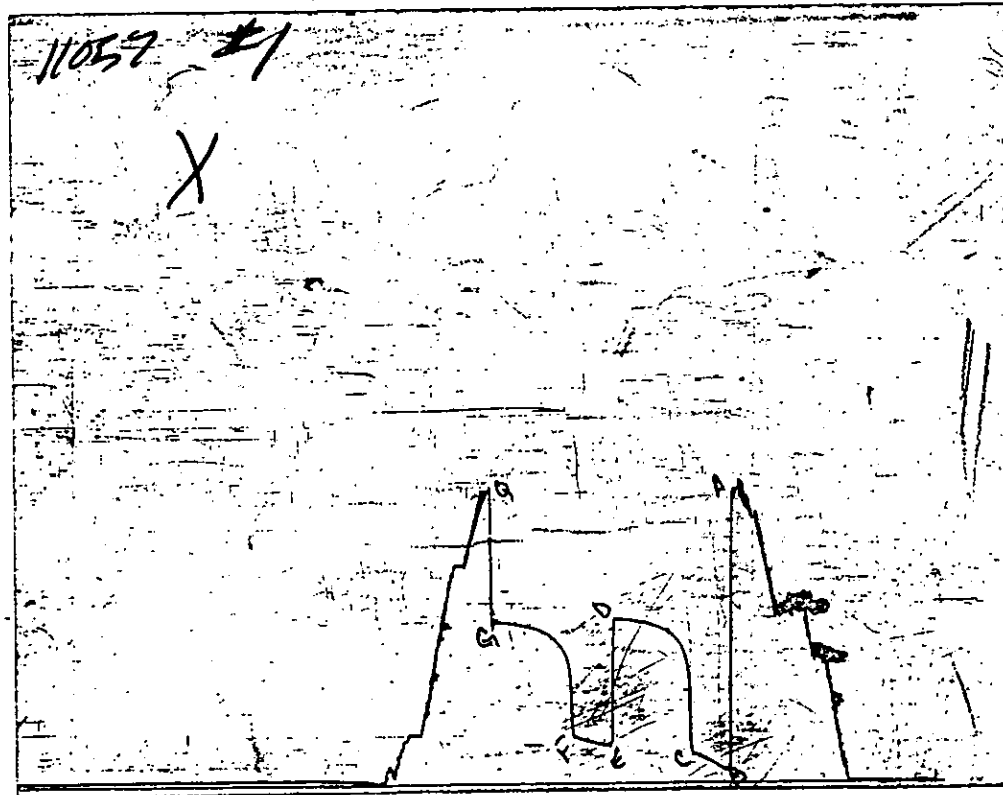
Mud Type Chemical
Weight 9.00 lb/c;
Vis. 41.00 S/L
W.L. 7.00 in3
F.C. 0.00 in
Mud Drop

Amt. of fill 0.00 ft
Btm. H. Temp. 106.00 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 Shane McBride
Co. Rep. Steve Davis
Contr. Mallard Drilling
Rig #
Unit #
Pump T.

Test Successful: Y

CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 10457

Well Name & No. Hansen 1-9 Test No. 1 Date 10-29-97
 Company Crossbar Petroleum Zone Tested Tapoka
 Address 7570 W 21st Bldg 104 Suits B Wichita Ks 67205 Elevation 2762' KB 2757GL
 Co. Rep / Geo Steve Davis Cont. Marshall Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 9 Twp. 19 Rge. 33 Co. Scott State Ks
 No. of Copies None Distribution Sheet (Y, N) _____ Turnkey (Y, N) N Evaluation (Y, N) _____

Interval Tested 3607 3754 Initial Str Wt/Lbs. 54,000 Unseated Str Wt/Lbs. 57,000
 Anchor Length _____ 147 Wt. Set Lbs. 27,000 Wt. Pulled Loose/Lbs. 65,000
 Top Packer Depth _____ 3602 Tool Weight 5,000
 Bottom Packer Depth _____ 3607 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth _____ 3754 Wt. Pipe Run _____ Drill Collar Run 248'
 Mud Wt. 9.0 LCM _____ Vis. 41 WL 7.0 Drill Pipe Size 4 1/2 X H Ft. Run 3481'
 Blow Description Surface blow built to 11" in.
No return
Surface blow in mid built to 2" in.
No return

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP
<u>753'</u>	_____	<u>248'</u>	<u>505'</u>
Rec. <u>300'</u>	Feet Of <u>Water mud Oil Sum</u>	%gas <u>swm</u> %oil _____	%water <u>80</u> %mud _____
Rec. <u>153'</u>	Feet Of <u>muddy Water oil sum</u>	%gas <u>swm</u> %oil _____	%water <u>50</u> %mud _____
Rec. <u>300'</u>	Feet Of <u>Mud cut Water</u>	%gas _____ %oil _____	%water <u>70</u> %mud <u>30</u>
Rec. _____	Feet Of _____	%gas _____ %oil _____	%water _____ %mud _____
Rec. _____	Feet Of _____	%gas _____ %oil _____	%water _____ %mud _____

BHT 106° °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API
 RW 31 @ 65 °F Chlorides 24,500 ppm Recovery Chlorides 2,100 ppm System

(A) Initial Hydrostatic Mud 1701 PSI Recorder No. 11057 T-Started 01:20 AM
 (B) First Initial Flow Pressure 54 PSI (depth) 3622' T-Open 03:15 AM
 (C) First Final Flow Pressure 179 PSI Recorder No. 11058' T-Pulled 06:15 AM
 (D) Initial Shut-In Pressure 950 PSI (depth) 3751' T-Out 08:15 AM
 (E) Second Initial Flow Pressure 213 PSI Recorder No. _____
 (F) Second Final Flow Pressure 269 PSI (depth) _____
 (G) Final Shut-In Pressure 928 PSI Initial Opening 30 Test X
 (H) Final Hydrostatic Mud 1690 PSI Initial Shut-in 60 Jars X
 Final Flow 30 Safety Joint X
 Final Shut-in 60 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 Shane McBurn
 Circ. Sub X N/C
 Sampler _____
 Extra Packer _____
 Elect. Rec. _____
 Other _____
 TOTAL PRICE \$ _____

TRILOBITE TESTING L.L.C.

OPERATOR : Cross Bar Petroleum Corp
 WELL NAME: Hansen # 1-9
 LOCATION : 9-19S-33W Scott Co KS
 INTERVAL : 3758.00 To 3788.00 ft

DATE 10/29/97

KB 2962.00 ft TICKET NO: 10458 DST #2
 GR 2957.00 ft FORMATION: Osage
 TD 3788.00 ft TEST TYPE: CONV

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	11057	11057	11058			PF Fr. 1630 to 1700 hr
SI 30	Range(Psi)	4500.0	4500.0	4475.0	0.0	0.0	IS Fr. 1700 to 1730 hr
SF 10	Clock(hrs)	12 hr	12 hr	12 hr			SF Fr. 1730 to 1740 hr
FS 0	Depth(ft)	3760.0	3760.0	3785.0	0.0	0.0	FS Fr. to hr

	Field	1	2	3	4	
A. Init Hydro	1813.0	1815.0	0.0	0.0	0.0	T STARTED 1500 hr
B. First Flow	56.0	66.0	0.0	0.0	0.0	T ON BOTM 1620 hr
Bl. Final Flow	44.0	44.0	0.0	0.0	0.0	T OPEN 1630 hr
C. In Shut-in	973.0	950.0	0.0	0.0	0.0	T PULLED 1740 hr
D. Init Flow	67.0	68.0	0.0	0.0	0.0	T OUT 1940 hr
E. Final Flow	56.0	48.0	0.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1802.0	1808.0	0.0	0.0	0.0	Tool Wt. 4000.00 lbs
Inside/Outside	I	I	O			Wt Set On Packer 27000.00 lbs
						Wt Pulled Loose 66000.00 lbs
						Initial Str Wt 54000.00 lbs
						Unseated Str Wt 54000.00 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 248.00 ft
						D.P. Length 3511.00 ft

RECOVERY

Spot Fluid 5.00 ft of 5.00 ft in DC and 0.00 ft in DP
 5.00 ft of Drilling Mud
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
 Weak surface blow, died in 10 mins

 Initial Shut In:
 No return

 Final Flow:
 No blow - Flushed tool - no blow
 Pulled Tool

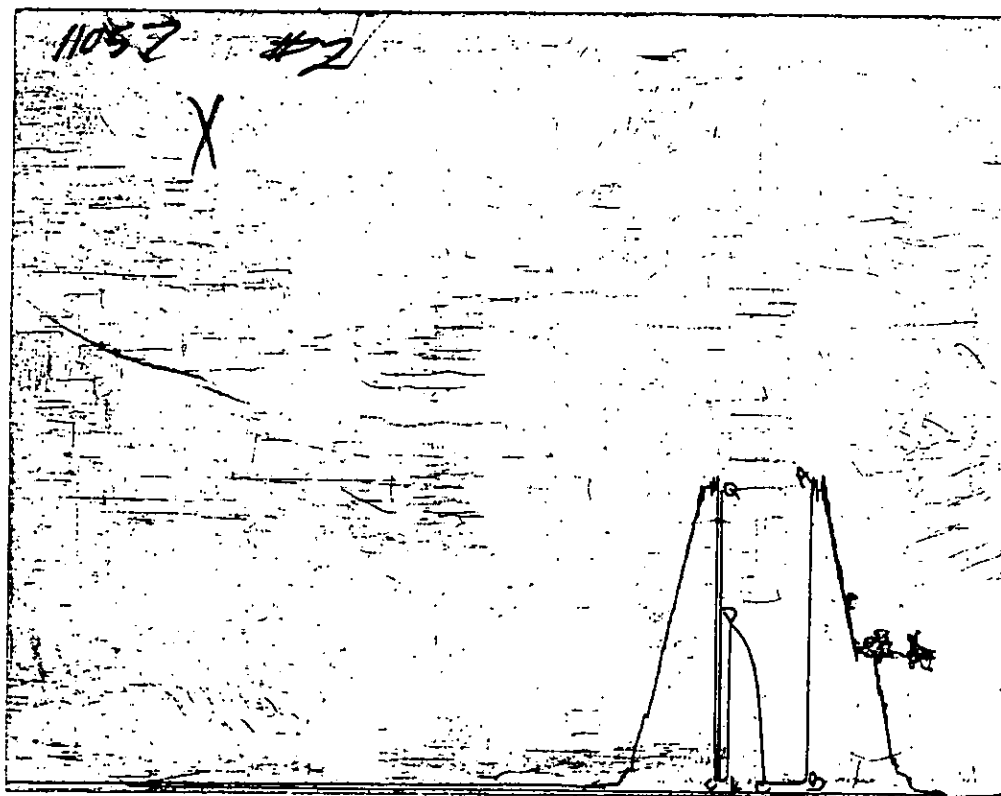
 Final Shut In:

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/cf
Vis.	43.00 S/L
W.L.	8.00 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	Shane McBride
Co. Rep.	Steve Davis
Contr.	Mallard
Rig #	
Unit #	
Pump T.	

Test Successful: Y

CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 10458

Well Name & No. Hansen 1-9 Test No. 2 Date 10-29-97
Company Crossbar Petrol. Zone Tested Osage
Address 7570 West 21st Bldg 104 Suite B Wichita KS 67205 Elevation 2962 KB 2957 GL
Co. Rep / Geo. Steve Davis Cont. Marshall Est. Ft. of Pay _____ Por. _____ %
Location: Sec. 9 Twp. 12 Rge. 33 Co. Scott State KS
No. of Copies Norm Distribution Sheet (Y, N) N Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3758' 3788' Initial Str Wt./Lbs. 54,000 Unseated Str Wt./Lbs. 54,000
Anchor Length _____ 30' Wt. Set Lbs. 27,000 Wt. Pulled Loose/Lbs. 66,000
Top Packer Depth _____ 3753' Tool Weight 4,000
Bottom Packer Depth _____ 3758' Hole Size -- 7 7/8" Rubber Size -- 6 3/4"
Total Depth _____ 3788' Wt. Pipe Run _____ Drill Collar Run 240'
Mud Wt. 9.1 LCM - Vis. 43 Wt. 8.0 Drill Pipe Size 4 1/2 X 4 Ft. Run 3511'

Blow Description Weak surface died in 10 min.
ISF: No return
FI: No blow (Flush tool) No Blow - pull tool
(Good surge)

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP	%gas	%oil	%water	%mud
<u>5'</u>	_____	<u>5'</u>	_____	_____	_____	<u>100</u>	_____
Rec. _____	Feet Of _____	_____	_____	_____	_____	_____	_____
Rec. _____	Feet Of _____	_____	_____	_____	_____	_____	_____
Rec. _____	Feet Of _____	_____	_____	_____	_____	_____	_____
Rec. _____	Feet Of _____	_____	_____	_____	_____	_____	_____

BHT 104° °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API _____

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 4,000 ppm System _____

(A) Initial Hydrostatic Mud 1813 PSI Recorder No. 11057 T-Started 03:00 P.M.
(B) First Initial Flow Pressure 56 PSI (depth) 3760' T-Open 04:30 P.M.
(C) First Final Flow Pressure 44 PSI Recorder No. 11058 T-Pulled 05:40 P.M.
(D) Initial Shut-in Pressure 973 PSI (depth) 3785' T-Out 07:40
(E) Second Initial Flow Pressure 67 PSI Recorder No. _____
(F) Second Final Flow Pressure 56 PSI (depth) _____
(G) Final Shut-in Pressure 1802 PSI Initial Opening 30 Test X
(H) Final Hydrostatic Mud 1802 PSI Initial Shut-in 30 Jars X
Final Flow 10 Safety Joint X
Final Shut-in _____ 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 Steve Davis
Our Representative Steve Davis

Circ. Sub X N/C
Sampler _____
Extra Packer _____
Elect. Rec. _____
Other _____
TOTAL PRICE \$ _____

TRILOBITE TESTING L.L.C.

OPERATOR : Cross Bar Petroleum Corp DATE 10/31/97
 WELL NAME: Hansen # 1-9 KB 2962.00 ft TICKET NO: 10460 DST #3
 LOCATION : 9-19S-33W Scott CO KS GR 2957.00 ft FORMATION: Lansing KC "H"
 INTERVAL : 4124.00 To 4150.00 ft TD 4150.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11057	11057	11058			PF Fr. 0204 to 0234 hr
SI 30 Range(Psi)	4500.0	4500.0	4475.0	0.0	0.0	IS Fr. 0234 to 0304 hr
JF 15 Clock(hrs)	12 hr	12 hr	12 hr			SF Fr. 0304 to 0319 hr
FS 0 Depth(ft)	4126.0	4126.0	4147.0	0.0	0.0	FS Fr. to hr

	Field	1	2	3	4	
A. Init Hydro	2049.0	2039.0	0.0	0.0	0.0	T STARTED 1230 hr
B. First Flow	0.0	38.0	0.0	0.0	0.0	T ON BOTM 0150 hr
Bl. Final Flow	11.0	20.0	0.0	0.0	0.0	T OPEN 0204 hr
C. In Shut-in	828.0	808.0	0.0	0.0	0.0	T PULLED 0319 hr
D. Init Flow	22.0	40.0	0.0	0.0	0.0	T OUT 0510 hr
E. Final Flow	11.0	21.0	0.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0	TOOL DATA-----
J. Final Hydro	2027.0	1978.0	0.0	0.0	0.0	Tool Wt. 4000.00 lbs
Inside/Outside	I	I	O			Wt Set On Packer 27000.00 lbs
						Wt Pulled Loose 68000.00 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 248.00 ft
						D.P. Length 3858.00 ft

RECOVERY

Net Fluid 5.00 ft of 5.00 ft in DC and 0.00 ft in DP
 5.00 ft of Drilling Mud
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of

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

BLOW DESCRIPTION

Initial Flow:
 Surface blow, died in 10 mins

Initial Shut In:
 No return

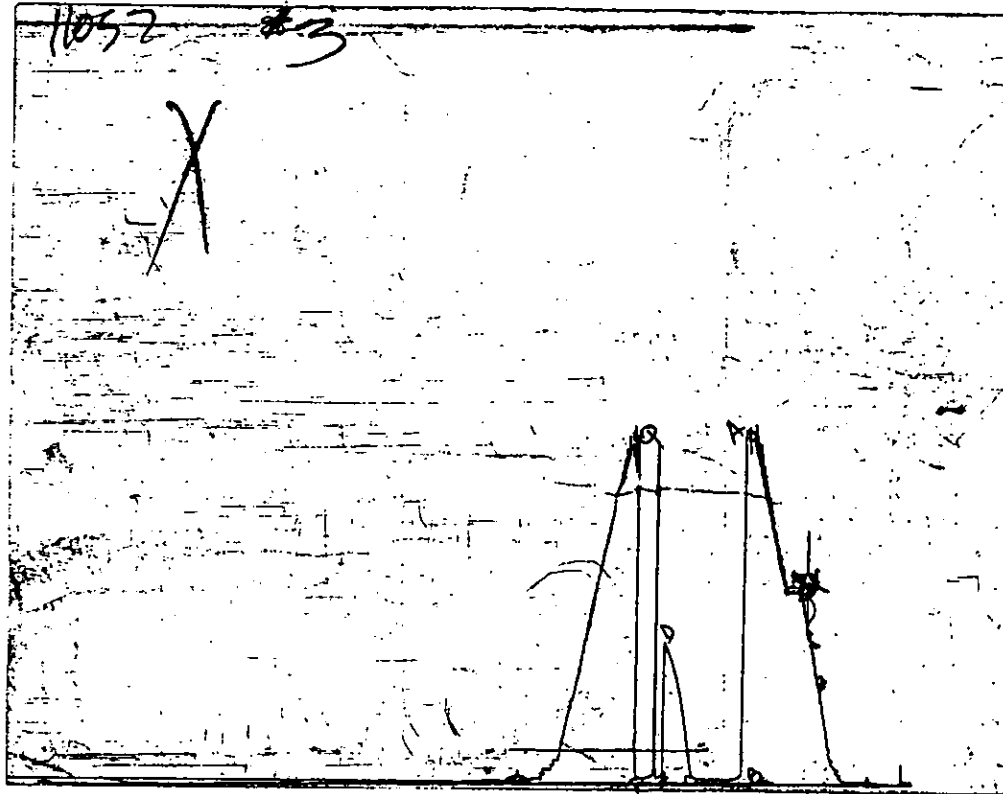
Final Flow:
 No blow, Flushed tool, good surge,
 no blow, Pull Tool

SAMPLES:
 SENT TO:

MUD DATA-----
 Mud Type Chemical
 Weight 9.40 lb/cf
 Vis. 45.00 S/L
 W.L. 8.80 in³
 F.C. 0.00 in
 Mud Drop
 Amt. of fill 0.00 ft
 Btm. H. Temp. 109.00 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 Shane McBride
 Co. Rep. Steve Davis
 Contr. Mallard
 Rig #
 Unit #
 Pump T.

Test Successful: Y

CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 10460

Well Name & No. <u>Hansen 1-9</u>		Test No. <u>3</u>	Date <u>10-31-97</u>
Company <u>Crossbar Petrol.</u>		Zone Tested <u>K-KC "H"</u>	
Address <u>7570 W 21st Hwy Suite B Wichita KS 67205</u>		Elevation <u>2962'</u>	KB <u>2957'</u>
Co. Rep / Geo. <u>Steve Davis</u>		Cont. <u>Mallard</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>9</u>	Twp. <u>19</u>	Rge. <u>33</u>	Co. <u>Scott</u> State <u>KS</u>
No. of Copies <u>Normal</u> Distribution Sheet (Y, N) <u>X</u>		Turnkey (Y, N) <u>X</u>	Evaluation (Y, N) <u> </u>

Interval Tested <u>4124</u>	<u>4150</u>	Initial Str Wt./Lbs. <u>56,000</u>	Unseated Str Wt./Lbs. <u>56,000</u>
Anchor Length <u> </u>	<u>26</u>	Wt. Set Lbs. <u>27,000</u>	Wt. Pulled Loose/Lbs. <u>68,000</u>
Top Packer Depth <u> </u>	<u>4119</u>	Tool Weight <u>4,000</u>	
Bottom Packer Depth <u> </u>	<u>4124</u>	Hole Size — 7 7/8" <input checked="" type="checkbox"/>	Rubber Size — 6 3/4" <input checked="" type="checkbox"/>
Total Depth <u> </u>	<u>4150</u>	Wt. Pipe Run <u> </u>	Drill Collar Run <u>248'</u>
Mud Wt. <u>9.4</u> LCM <u> </u> Vis. <u>45</u> WL <u>8.8</u>		Drill Pipe Size <u>4 1/2 x 11</u>	Ft. Run <u>3858'</u>
Blow Description <u>Surface blow dried in 10 min</u>			
<u>No return</u>			
<u>No Blow - flush tool good surge - No blow Pith Tool</u>			

Recovery — Total Feet <u>3'</u>	GIP <u> </u>	Ft. in DC <u>5'</u>	Ft. in DP <u> </u>
Rec. <u>5'</u> Feet Of <u>Drill Mud</u>	%gas	%oil	%water <u>10</u> %mud
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil	%water <u> </u> %mud
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil	%water <u> </u> %mud
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil	%water <u> </u> %mud
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil	%water <u> </u> %mud

BHT 109° °F Gravity °API D@ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides 4,000 ppm System

(A) Initial Hydrostatic Mud <u>2049</u> PSI	Recorder No. <u>11057</u>	T-Started <u>12:30 AM</u>
(B) First Initial Flow Pressure <u>22</u> PSI	(depth) <u>4126'</u>	T-Open <u>02:04 AM</u>
(C) First Final Flow Pressure <u>11</u> PSI	Recorder No. <u>11058</u>	T-Pulled <u>03:19 AM</u>
(D) Initial Shut-in Pressure <u>828</u> PSI	(depth) <u>4147'</u>	T-Out <u>05:10 AM</u>
(E) Second Initial Flow Pressure <u>22</u> PSI	Recorder No. <u> </u>	
(F) Second Final Flow Pressure <u>11</u> PSI	(depth) <u> </u>	
(G) Final Shut-in Pressure <u> </u> PSI	Initial Opening <u>30</u>	Test <u>X</u>
(H) Final Hydrostatic Mud <u>2027</u> PSI	Initial Shut-in <u>30</u>	Jars <u>X</u>

Final Flow 15 Safety Joint X

Final Shut-in 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.

Circ. Sub X N/C

Sampler

Extra Packer

Elect. Rec.

Other

Approved By Steve Davis

Our Representative Steve Davis TOTAL PRICE \$

TRILOBITE TESTING L.L.C.

OPERATOR : Cross Bar Petroleum Corp
 WELL NAME: Hansen # 1-9
 LOCATION : 9-19S-33W Scott Co KS
 INTERVAL : 4306.00 To 4425.00 ft

DATE 11/1/97
 KB 2962.00 ft TICKET NO: 10461 DST #4
 GR 2957.00 ft FORMATION: Marmaton
 TD 4425.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11057	11057	11058			PF Fr. 1255 to 1325 hr
SI 30 Range(Psi)	4500.0	4500.0	4475.0	0.0	0.0	IS Fr. 1325 to 1355 hr
SF 10 Clock(hrs)	12 hr	12 hr	12 hr			SF Fr. 1355 to 1405 hr
FS 0 Depth(ft)	4326.0	4326.0	4422.0	0.0	0.0	FS Fr. to hr

	Field	1	2	3	4	
A. Init Hydro	2162.0	2157.0	0.0	0.0	0.0	T STARTED 1110 hr
B. First Flow	56.0	63.0	0.0	0.0	0.0	T ON BOTM 1240 hr
31. Final Flow	67.0	68.0	0.0	0.0	0.0	T OPEN 1255 hr
C. In Shut-in	1174.0	1158.0	0.0	0.0	0.0	T PULLED 1405 hr
D. Init Flow	78.0	96.0	0.0	0.0	0.0	T OUT 1605 hr
E. Final Flow	67.0	103.0	0.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0	
G. Final Hydro	2140.0	2152.0	0.0	0.0	0.0	
Inside/Outside	I	I	O			

TOOL DATA-----
 Tool Wt. 500.00 lbs
 Wt Set On Packer 27000.00 lbs
 Wt Pulled Loose 70000.00 lbs
 Initial Str Wt 58000.00 lbs
 Unseated Str Wt 58000.00 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 248.00 ft
 D.P. Length 4138.00 ft

RECOVERY

Hot Fluid 63.00 ft of 63.00 ft in DC and 0.00 ft in DP
 63.00 ft of Drilling Mud
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of

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

BLOW DESCRIPTION

Initial Flow:
 1/2" blow @ open, died in 28 mins

Initial Shut In:
 No return

Final Flow:
 Bubble to open tool, bo blow, flushed
 tool - good surge, no blow, pulled
 tool

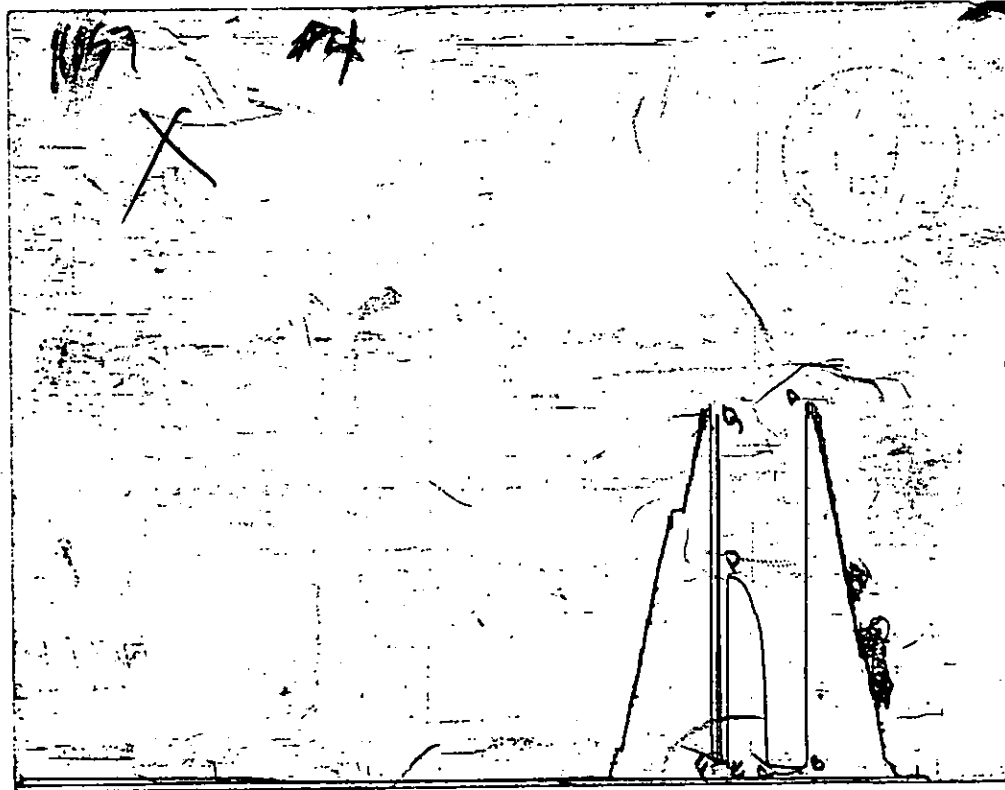
Final Shut In:

SAMPLES:
 SENT TO:

MUD DATA-----
 Mud Type
 Weight 9.40 lb/c.
 Vis. 45.00 S/L
 W.L. 8.80 in3
 F.C. 0.00 in
 Mud Drop
 Amt. of fill 0.00 ft
 Btm. H. Temp. 111.00 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 Shane McBride
 Co. Rep. Steve Davis
 Contr. Mallard Drilling
 Rig #
 Unit #
 Pump T.

Test Successful: Y

CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 10461

Well Name & No. Harrow #1-9 Test No. 4 Date 11-1-97
Company Crossbar Petrol Zone Tested Marathon
Address 7570W 21st Bldg 1014 Suite B Wichita KS 67205 Elevation 2962 KB 2557 GL
Co. Rep / Geo. Steve Davis Cont. Mark Ward Est. Ft. of Pay _____ Por. _____ %
Location: Sec. 9 Twp. 19 Rge. 33 Co. Scott State KS
No. of Copies None Distribution Sheet (Y, N) N Turnkey (Y, N) N Evaluation (Y, N) _____

Interval Tested 4306' 4425' Initial Str Wt./Lbs. 58,000 Unseated Str Wt./Lbs. 58,000
Anchor Length _____ 119' Wt. Set Lbs. 22,000 Wt. Pulled Loose/Lbs. 7,000
Top Packer Depth _____ 4301' Tool Weight 5,000
Bottom Packer Depth _____ 4306' Hole Size — 7 7/8" Rubber Size — 6 3/4"
Total Depth _____ 4425' Wt. Pipe Run _____ Drill Collar Run 248'
Mud Wt. 9.4 LCM _____ Vis. 45 WL 8.8 Drill Pipe Size 4 1/2 X 14 Ft. Run 4138'
Blow Description 1/2" blow @ open - died in 28 min.
No return
Bubble to open tool, No Blow - Flush Tool - good Surge - No Slow
Push Tool.

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP
Rec. <u>63'</u> Feet Of <u>Drilg Mud</u>	_____	<u>63'</u>	_____
Rec. _____ Feet Of _____	_____	_____	_____
Rec. _____ Feet Of _____	_____	_____	_____
Rec. _____ Feet Of _____	_____	_____	_____
Rec. _____ Feet Of _____	_____	_____	_____

BHT 111° °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 4,000 ppm System
(A) Initial Hydrostatic Mud 2162 PSI Recorder No. 11057 T-Started 11:10 AM
(B) First Initial Flow Pressure 56 PSI (depth) 4326 T-Open 12:55 P.M.
(C) First Final Flow Pressure 67 PSI Recorder No. 11058 T-Pulled 14:05 P.M.
(D) Initial Shut-in Pressure 1174 PSI (depth) 4422' T-Out 6:05 P.M.
(E) Second Initial Flow Pressure 78 PSI Recorder No. _____
(F) Second Final Flow Pressure 67 PSI (depth) _____
(G) Final Shut-in Pressure _____ PSI Initial Opening 30 Test
(H) Final Hydrostatic Mud 2140 PSI Initial Shut-in 30 Jars
Final Flow 10 Safety Joint
Final Shut-in _____ Straddle _____
Circ. Sub N/A
Sampler _____
Extra Packer _____
Elect. Rec. _____
Other _____
TOTAL PRICE \$ _____

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]

TRILOBITE TESTING L.L.C.

OPERATOR : Cross Bar Petroleum Inc
 WELL NAME: Hansen #1-9
 LOCATION : 9-19S-33W Scott Co KS
 INTERVAL : 4592.00 To 4610.00 ft

DATE 11/2/97
 KB 2962.00 ft TICKET NO: 10462 DST #5
 GR 2957.00 ft FORMATION: Cherokee
 TD 4610.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11057	11057	11058			PF Fr. 1640 to 1710 hr
SI 30 Range(Psi)	4500.0	4500.0	4475.0	0.0	0.0	IS Fr. 1710 to 1740 hr
SF 10 Clock(hrs)	12 hr	12 hr	12 hr			SF Fr. 1740 to 1750 hr
FS 0 Depth(ft)	4595.0	4595.0	4607.0	0.0	0.0	FS Fr. to hr

	Field	1	2	3	4	
A. Init Hydro	2321.0	2287.0	0.0	0.0	0.0	T STARTED 1430 hr
B. First Flow	44.0	41.0	0.0	0.0	0.0	T ON BOTM 1630 hr
31. Final Flow	33.0	42.0	0.0	0.0	0.0	T OPEN 1640 hr
C. In Shut-in	883.0	34.0	0.0	0.0	0.0	T PULLED 1750 hr
D. Init Flow	56.0	62.0	0.0	0.0	0.0	T OUT 1945 hr
E. Final Flow	44.0	62.0	0.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0	
3. Final Hydro	2298.0	2199.0	0.0	0.0	0.0	TOOL DATA-----
Inside/Outside	I	I	O			Tool Wt. 4000.00 lbs
						Wt Set On Packer 27000.00 lbs
						Wt Pulled Loose 70000.00 lbs
						Initial Str Wt 58000.00 lbs
						Unseated Str Wt 58000.00 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 248.00 ft
						D.P. Length 4327.00 ft

RECOVERY

15.00 ft of Drilling Mud with Oil Scum
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of

TOOL DATA-----
 Tool Wt. 4000.00 lbs
 Wt Set On Packer 27000.00 lbs
 Wt Pulled Loose 70000.00 lbs
 Initial Str Wt 58000.00 lbs
 Unseated Str Wt 58000.00 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 248.00 ft
 D.P. Length 4327.00 ft

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

BLOW DESCRIPTION

Initial Flow:
 Weak 1/4" blow died in 18 minutes

Initial Shut In:
 No return

Final Flow:
 No blow, Flushed tool, Good surge,
 No blow, Pulled tool

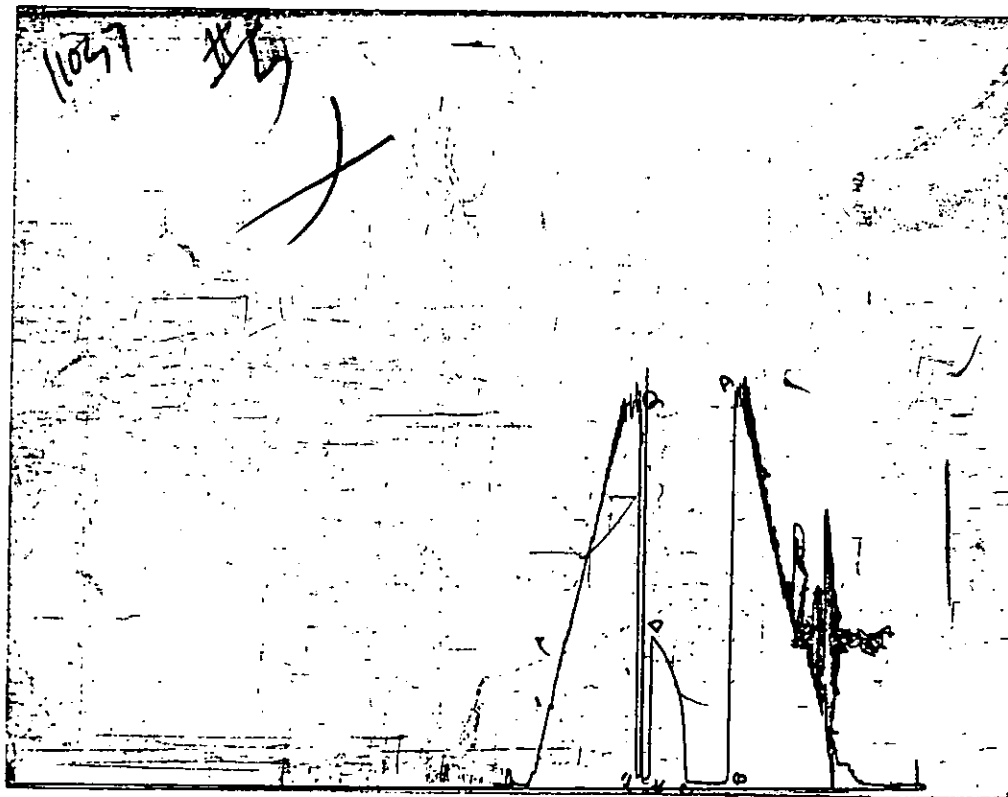
Final Shut In:

SAMPLES:
 SENT TO:

MUD DATA-----
 Mud Type Chemical
 Weight 9.40 lb/cf
 Vis. 45.00 S/L
 W.L. 0.00 in3
 F.C. 0.00 in
 Mud Drop
 Amt. of fill 0.00 ft
 Btm. H. Temp. 118.00 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 Shane McBride
 Co. Rep. Steve Davis
 Contr. Mallard Drlg
 Rig #
 Unit #
 Pump T.

Test Successful: Y

CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 10462

Well Name & No. Lawson #1-9 Test No. 5 Date 11-2-97
 Company Crossbar Petrol Zone Tested Cherokee
 Address 7570 West 21st Bldg 1014 Suite B, Wichita KS 67205 Elevation 2962' KB 295' GL
 Co. Rep / Geo. Steve Davis Cont. Mallard Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 9 Twp. 19 Rge. 33 Co. Scott State KS
 No. of Copies Norm Distribution Sheet (Y, N) N Turnkey (Y, N) N Evaluation (Y, N) _____

Interval Tested 4592' 4610' Initial Str Wt./Lbs. 58,000 Unseated Str Wt./Lbs. 58,000
 Anchor Length _____ 18' Wt. Set Lbs. 27,000 Wt. Pulled Loose/Lbs. 70,000
 Top Packer Depth _____ 4587' Tool Weight 4,000
 Bottom Packer Depth _____ 4592' Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓
 Total Depth _____ 4610' Wt. Pipe Run _____ Drill Collar Run 248'
 Mud Wt. 9.4 LCM — Vis. 45 WL _____ Drill Pipe Size 4 1/2 X H FL Run 4327'
 Blow Description Weak 1/4" blow died in Bmw.
No return
No blow - Flush tool - good surge - No blow, Pull Tool

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP
<u>15'</u>	—	<u>15'</u>	—
Rec. <u>15'</u> Feet Of <u>Drily Mu Oil Seam</u>	%gas <u>Sum</u>	%oil _____	%water <u>100%</u> %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 118° °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API _____
 RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 500 ppm System

(A) Initial Hydrostatic Mud 2321 PSI Recorder No. 11057 T-Started 14:30 P.M.
 (B) First Initial Flow Pressure 44 PSI (depth) 4595' T-Open 16:40 P.M.
 (C) First Final Flow Pressure 33 PSI Recorder No. 11058 T-Pulled 17:50 P.M.
 (D) Initial Shut-in Pressure 883 PSI (depth) 4607' T-Out 19:45 P.M.
 (E) Second Initial Flow Pressure 56 PSI Recorder No. _____
 (F) Second Final Flow Pressure 44 PSI (depth) _____
 (G) Final Shut-in Pressure _____ PSI Initial Opening 30 Test X
 (H) Final Hydrostatic Mud 2278 PSI Initial Shut-in 30 Jars X
 Final Flow 10 Safety Joint X
 Final Shut-in _____ Straddle _____
 _____ Circ. Sub X N/C
 _____ Sampler _____
 Extra Packer _____
 Elect. Rec. _____
 Other _____

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 BUFFERED 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 Steve Davis
 Our Representative Steve Davis

TOTAL PRICE \$ _____