

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

RELEASED

JAN 29 1999

FROM CONFIDENTIAL

NCC
NOV 13
CONFIDENTIAL

RECEIVED
NOV 10 1997
10 10 37

CONFIDENTIAL

ORIGINAL

TRILOBITE TESTING L.L.C.

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

DATE 10/29/97
KB 2962.00 ft
GR 2957.00 ft
TD 3754.00 ft
TICKET NO: 10457
FORMATION: Topeka
TEST TYPE: CONV
DST #1

RECORDER DATA

Table with columns: Mins, Field, 1, 2, 3, 4, TIME DATA. Rows include PF 30 Rec., 3I 60 Range(Psi), 3F 30 Clock(hrs), FS 60 Depth(ft).

Table with columns: A-F, Field, 1, 2, 3, 4, TOOL DATA. Rows include A. Init Hydro, B. First Flow, 3I. Final Flow, C. In Shut-in, D. Init Flow, E. Final Flow, F. Fl Shut-in, G. Final Hydro, Inside/Outside.

RECOVERY

Hot 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 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"

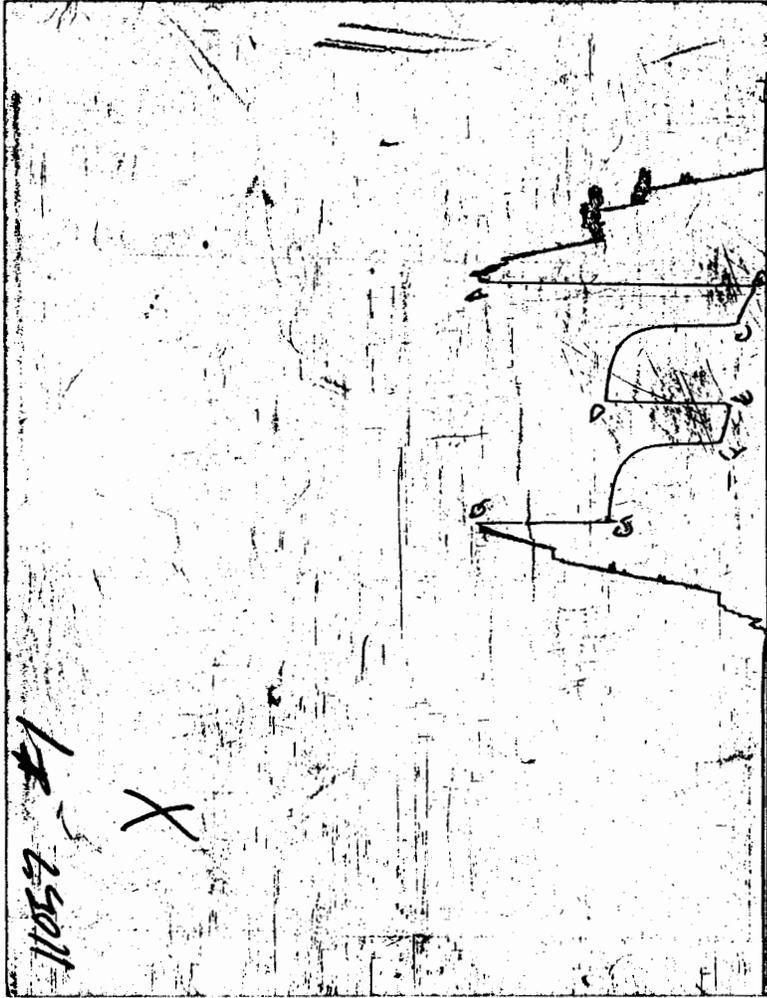
Final Shut In:
No Return

SAMPLES:
SENT TO:

MUD DATA table with columns: Mud Type, Chemical, Weight, Vis., W.L., F.C., Mud Drop, Amt. of fill, Btm. H. Temp., Hole Condition, % Porosity, Packer Size, No. of Packers, Cushion Amt., Cushion Type, Reversed Out, Tool Chased, Tester, Co. Rep., Contr., 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. <u>Hansen 1-9</u>	Test No. <u>1</u>	Date <u>10-29-97</u>
Company <u>Crossbar Petroleum</u>	Zone Tested <u>Tapoka</u>	
Address <u>7570 W 21st Bldg 104 Suite B Wichita KS 67205</u>	Elevation <u>2962'</u>	KB <u>2957GL</u>
Co. Rep / Geo. <u>Steve Davis</u>	Cont. <u>Marshall</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> </u>	Turnkey (Y, N) <u>N</u>	Evaluation (Y, N) <u> </u>

Interval Tested <u>3607</u>	<u>3754</u>	Initial Str Wt./Lbs. <u>54,000</u>	Unseated Str Wt./Lbs. <u>52,000</u>
Anchor Length <u> </u>	<u>147</u>	Wt. Set Lbs. <u>27,000</u>	Wt. Pulled Loose/Lbs. <u>65,000</u>
Top Packer Depth <u> </u>	<u>3602</u>	Tool Weight <u>5,000</u>	
Bottom Packer Depth <u> </u>	<u>3607</u>	Hole Size — 7 7/8" <input checked="" type="checkbox"/>	Rubber Size — 6 3/4" <input checked="" type="checkbox"/>
Total Depth <u> </u>	<u>3754</u>	Wt. Pipe Run <u> </u>	Drill Collar Run <u>248'</u>
Mud Wt. <u>9.0</u> LCM <u> </u> Vis. <u>4/1</u> WL <u>7.0</u>		Drill Pipe Size <u>4 1/2 X 11</u>	Ft. Run <u>3481'</u>
Blow Description <u>Surface blow built to 11" in.</u>			
<u>No return</u>			
<u>Surface blow in mud built to 2" in.</u>			
<u>No return</u>			

Recovery — Total Feet <u>753'</u>	GIP <u> </u>	Ft. in DC <u>248'</u>	Ft. in DP <u>505'</u>
Rec. <u>300'</u>	Feet Of <u>Water mud oil sum</u>	%gas <u>sum</u> %oil <u>20</u>	%water <u>80</u> %mud <u> </u>
Rec. <u>153'</u>	Feet Of <u>muddy water oil sum</u>	%gas <u>sum</u> %oil <u>50</u>	%water <u>50</u> %mud <u> </u>
Rec. <u>300'</u>	Feet Of <u>Mud cut water</u>	%gas <u> </u> %oil <u>70</u>	%water <u>30</u> %mud <u> </u>
Rec. <u> </u>	Feet Of <u> </u>	%gas <u> </u> %oil <u> </u>	%water <u> </u> %mud <u> </u>
Rec. <u> </u>	Feet Of <u> </u>	%gas <u> </u> %oil <u> </u>	%water <u> </u> %mud <u> </u>

BHT <u>106°</u>	°F Gravity <u> </u>	*API D@ <u> </u>	°F Corrected Gravity <u> </u>	*API <u> </u>
RW <u>.31</u>	@ <u>65</u>	°F Chlorides <u>24,500</u>	ppm Recovery Chlorides <u>2,100</u>	ppm System <u> </u>

(A) Initial Hydrostatic Mud <u>1701</u>	PSI Recorder No. <u>11057</u>	T-Started <u>01:20 AM</u>
(B) First Initial Flow Pressure <u>56</u>	PSI (depth) <u>3622'</u>	T-Open <u>03:15 AM</u>
(C) First Final Flow Pressure <u>179</u>	PSI Recorder No. <u>11058'</u>	T-Pulled <u>06:15 AM</u>
(D) Initial Shut-in Pressure <u>950</u>	PSI (depth) <u>3751'</u>	T-Out <u>08:15 AM</u>
(E) Second Initial Flow Pressure <u>213</u>	PSI Recorder No. <u> </u>	
(F) Second Final Flow Pressure <u>269</u>	PSI (depth) <u> </u>	
(G) Final Shut-in Pressure <u>928</u>	PSI Initial Opening <u>30</u>	Test <u>X</u>
(H) Final Hydrostatic Mud <u>1690</u>	PSI Initial Shut-in <u>60</u>	Jars <u>X</u>
	Final Flow <u>30</u>	Safety Joint <u>X</u>
	Final Shut-in <u>60</u>	Straddle <u> </u>

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 <u>[Signature]</u>	
Our Representative <u>[Signature]</u>	
	Circ. Sub <u>X</u> <u>N/C</u>
	Sampler <u> </u>
	Extra Packer <u> </u>
	Elect. Rec. <u> </u>
	Other <u> </u>
	TOTAL PRICE \$ <u> </u>

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
31. 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

RECOVERY

Dot 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

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

TOOL DATA-----
 Tool Wt. 4000.00 lbs
 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

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:

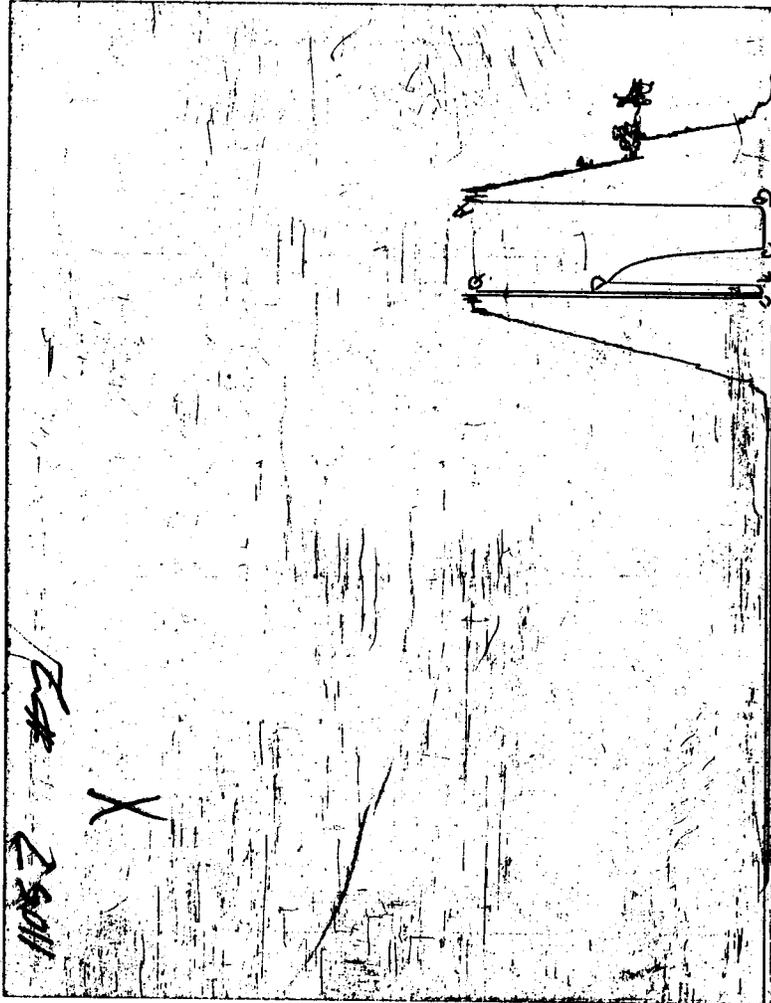
SAMPLES:
 SENT TO:

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 2570 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) 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 WL 8.0 Drill Pipe Size 4 1/2 XH Ft. Run 3511'
Blow Description Weak surface died in 10 min.

ISEI No return
FFI 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> </u>	<u>5'</u>	<u> </u>	<u> </u>	<u> </u>	<u>100</u>	<u> </u>
Rec. <u> </u>	Feet Of <u>Drily Mud</u>			%gas	%oil	%water	%mud
Rec. <u> </u>	Feet Of <u> </u>			%gas	%oil	%water	%mud
Rec. <u> </u>	Feet Of <u> </u>			%gas	%oil	%water	%mud
Rec. <u> </u>	Feet Of <u> </u>			%gas	%oil	%water	%mud
Rec. <u> </u>	Feet Of <u> </u>			%gas	%oil	%water	%mud

BHT 104° °F Gravity °API D₆₀ °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 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

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Circ. Sub X N/C

Sampler

Extra Packer

Elect. Rec.

Other

TOTAL PRICE \$

Approved By Steve Davis
Our Representative Steve Davis

TRILOBITE TESTING L.L.C.

OPERATOR : Cross Bar Petroleum Corp
 WELL NAME: Hansen # 1-9
 LOCATION : 9-19S-33W Scott CO KS
 INTERVAL : 4124.00 To 4150.00 ft

DATE 10/31/97
 KB 2962.00 ft TICKET NO: 10460 DST #3
 GR 2957.00 ft FORMATION: Lansing KC "H"
 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
RI 30	Range(Psi)	4500.0	4500.0	4475.0	0.0	0.0	IS Fr. 0234 to 0304 hr
SF 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
C. Final Flow	11.0	20.0	0.0	0.0	0.0	T OPEN 0204 hr
D. In Shut-in	828.0	808.0	0.0	0.0	0.0	T PULLED 0319 hr
E. Init Flow	22.0	40.0	0.0	0.0	0.0	T OUT 0510 hr
F. Final Flow	11.0	21.0	0.0	0.0	0.0	
G. Fl Shut-in	0.0	0.0	0.0	0.0	0.0	TOOL DATA-----
H. 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

Total 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

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

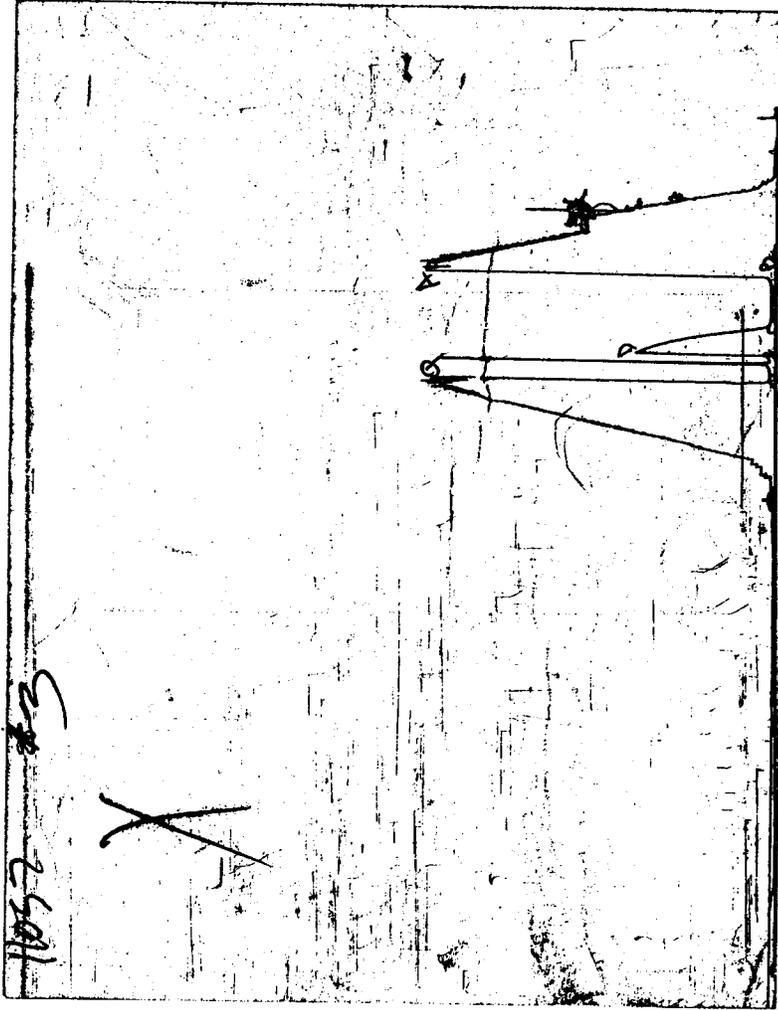
SAMPLES:
 SENT TO:

MUD DATA-----

Mud Type	Chemcical
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 1/4"</u>	
Address <u>7570 W 21st Blvd Suite B Wichita KS 67205</u>	Elevation <u>2962'</u>	KB <u>2957'</u>
Co. Rep / Geo. <u>Steve Davis</u>	Cont. <u>Madland</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" <u>✓</u>	Rubber Size — 6 3/4" <u>✓</u>
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>			

No return

No Blow - flush tool good surge - No blow Path Tool

Recovery — Total Feet <u>5'</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 <u> </u>	%oil <u> </u>
Rec. <u> </u>	Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u>
Rec. <u> </u>	Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u>
Rec. <u> </u>	Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u>
Rec. <u> </u>	Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u>

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

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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
 GR 2957.00 ft
 TD 4425.00 ft

TICKET NO: 10461
 FORMATION: Marmaton
 TEST TYPE: CONV

DST #4

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11057	11057	11058			PF Fr. 1255 to 1325 hr
BI 30 Range(Psi)	4500.0	4500.0	4475.0	0.0	0.0	IS Fr. 1325 to 1355 hr
3F 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
3I. 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

Pot 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

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, no blow, flushed tool - good surge, no blow, pulled tool

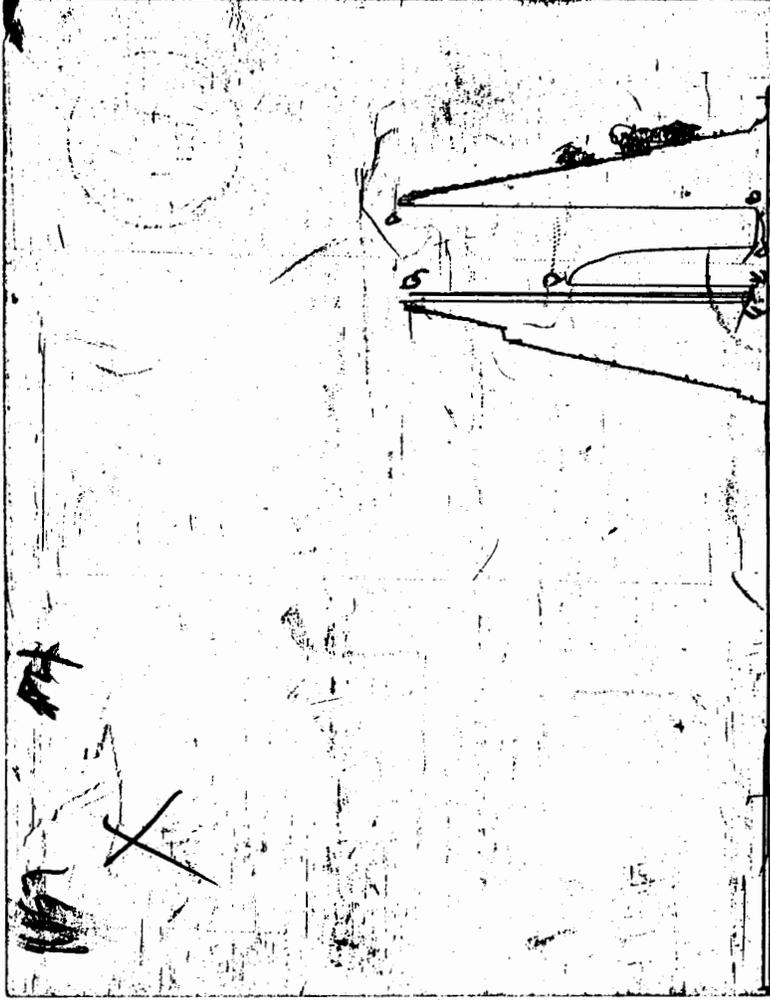
Final Shut In:

MUD DATA-----

Mud Type	Chemical
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. <u>Hawson #1-9</u>		Test No. <u>4</u>	Date <u>11-1-97</u>
Company <u>Crossbar Petrol</u>		Zone Tested <u>mermaton</u>	
Address <u>7570W 21st Bldg 1014 Suite B Wichita KS 67205</u>		Elevation <u>2962</u>	KB <u>2957</u> GL
Co. Rep / Geo. <u>Steve Davis</u>	Cont. <u>Mullard</u>	Est. Ft. of Pay	Por. %
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>None</u> Distribution Sheet (Y, N) <u>N</u>		Turnkey (Y, N) <u>N</u>	Evaluation (Y, N)

Interval Tested <u>4306'</u>	<u>4425'</u>	Initial Str Wt./Lbs. <u>58,000</u>	Unseated Str Wt./Lbs. <u>58,000</u>
Anchor Length	<u>119'</u>	Wt. Set Lbs. <u>27,000</u>	Wt. Pulled Loose/Lbs. <u>7,000</u>
Top Packer Depth	<u>4301'</u>	Tool Weight <u>5,000</u>	
Bottom Packer Depth	<u>4306'</u>	Hole Size — 7 7/8" <input checked="" type="checkbox"/>	Rubber Size — 6 3/4" <input checked="" type="checkbox"/>
Total Depth	<u>4425'</u>	Wt. Pipe Run	Drill Collar Run <u>248'</u>
Mud Wt. <u>9.4</u> LCM —	Vis. <u>45</u> WL <u>8.8</u>	Drill Pipe Size <u>4 1/2 x 14</u>	Ft. Run <u>4138'</u>

Blow Description 1/2" blow @ open - died in 28 min.
No return
Bubble to open tool, No Blow - Flush Tool - good Surge - No Blow
Push Tool.

Recovery — Total Feet <u>63'</u>	GIP	Ft. in DC <u>63'</u>	Ft. in DP
Rec. <u>63'</u> Feet Of <u>Dirtg Mud</u>	%gas	%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 111° °F Gravity — *API D@ — °F Corrected Gravity — *API

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

(A) Initial Hydrostatic Mud	<u>2162</u> PSI	Recorder No. <u>11057</u>	T-Started <u>11:10 AM</u>
(B) First Initial Flow Pressure	<u>56</u> PSI	(depth) <u>4326</u>	T-Open <u>12:55 P.M.</u>
(C) First Final Flow Pressure	<u>67</u> PSI	Recorder No. <u>11058</u>	T-Pulled <u>14:05 P.M.</u>
(D) Initial Shut-in Pressure	<u>1174</u> PSI	(depth) <u>4422'</u>	T-Out <u>16:05 P.M.</u>
(E) Second Initial Flow Pressure	<u>78</u> PSI	Recorder No.	
(F) Second Final Flow Pressure	<u>67</u> PSI	(depth)	
(G) Final Shut-in Pressure	— PSI	Initial Opening <u>30</u>	Test <input checked="" type="checkbox"/>
(H) Final Hydrostatic Mud	<u>2140</u> PSI	Initial Shut-in <u>30</u>	Jars <input checked="" type="checkbox"/>

Final Flow 10 Safety Joint

Final Shut-in _____ Straddle _____

_____ Circ. Sub N/A

_____ 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 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]

TOTAL PRICE \$ _____

TRILOBITE TESTING L.L.C.

OPERATOR : Cross Bar Petroleum Inc DATE 11/2/97
 WELL NAME: Hansen #1-9 KB 2962.00 ft TICKET NO: 10462 DST #5
 LOCATION : 9-19S-33W Scott Co KS GR 2957.00 ft FORMATION: Cherokee
 INTERVAL : 4592.00 To 4610.00 ft 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
SP 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	
Inside/Outside	I	I	O			

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

RECOVERY

Pot Fluid 15.00 ft of 15.00 ft in DC and 0.00 ft in DP
 15.00 ft of Drilling Mud with Oil Scum
 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 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:

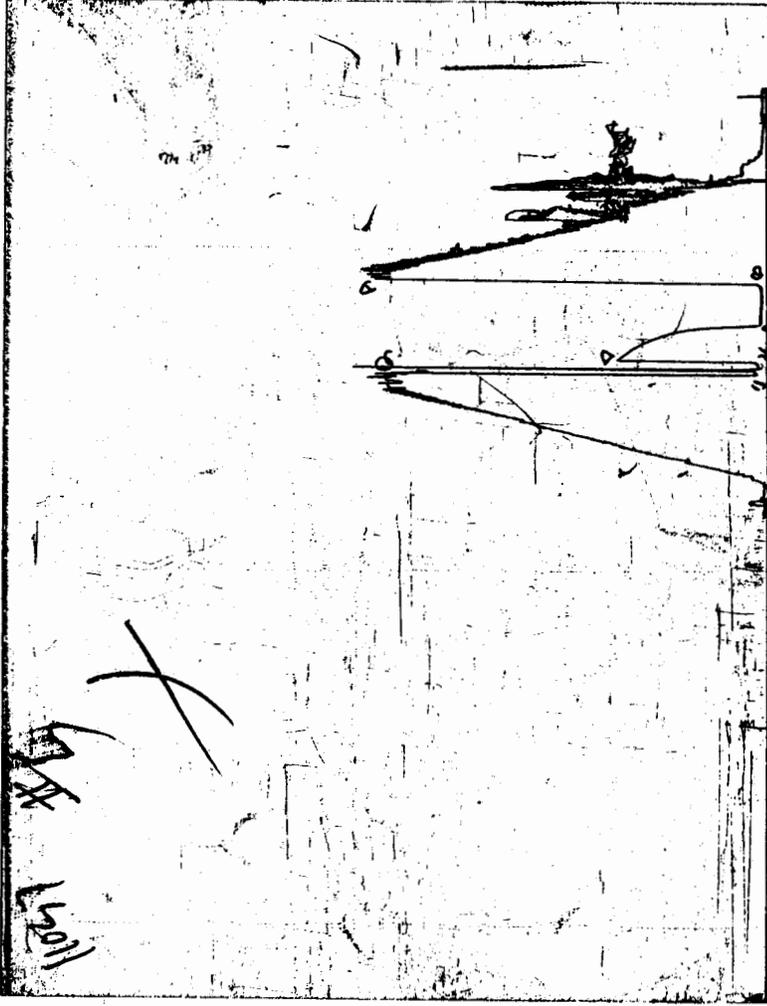
SAMPLES:
 SENT TO:

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. Hawsco #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 67209 Elevation 2962' KB 2955' 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 None 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. 59,000
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 Ft. Run 4327'
Blow Description Weak 1/4" blow died in 8 min.
No return
No blow - Flush tool - good Surge - No blow, Pull Tool

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP
Rec. <u>15'</u>	Feet Of <u>Drillg Mud Oil Sam</u>	%gas <u>Sum</u>	%oil <u> </u> %water <u>100%</u> %mud <u> </u>
Rec. <u> </u>	Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u> %water <u> </u> %mud <u> </u>
Rec. <u> </u>	Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u> %water <u> </u> %mud <u> </u>
Rec. <u> </u>	Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u> %water <u> </u> %mud <u> </u>
Rec. <u> </u>	Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u> %water <u> </u> %mud <u> </u>

BHT 118° °F Gravity °API D@ °F Corrected Gravity °API
RW @ °F Chlorides ppm Recovery Chlorides 5,000 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 2298 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
TOTAL PRICE \$

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Approved By Steve Davis
Our Representative Steve Davis