

ORIGINAL

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

API NO. 15- 119-210320000
County Meade
Sec. 22 Twp. 34 Rge. 30 X W

Operator: License # 30604

2640 Feet from S/N (circle one) Line of Section

Name: Raydon Exploration, Inc.

990 Feet from E/W (circle one) Line of Section

Address 9400 N. Broadway, Ste 400

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

City/State/Zip Oklahoma City, OK 73114

Lease Name Cimarron Well # 1-22

Purchaser: Aurora

Field Name Wildcat

Operator Contact Person: Keith Hill

Producing Formation Morrow

Phone (316) 624-0156

Elevation: Ground 2677 KB 2688

Contractor: Name: Big A Drilling

Total Depth 6350 PBDT 6290

License: 31572

Amount of Surface Pipe Set and Cemented at 1655 Feet

Wellsite Geologist: Edwin Grieves

Multiple Stage Cementing Collar Used? Yes X No

Designate Type of Completion
X New Well Re-Entry Workover

If yes, show depth set _____ Feet

Oil SWD SIOW Temp. Abd.
X Gas ENHR SIGW
Dry Other(Core, WSW, Expl., Cathodic, etc)

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan Act 1 4/25/01 JB
(Data must be collected from the Reserve Pit)

If Workover/Reentry: Old Well Info as follows:

Operator: _____

Chloride content 7000 ppm Fluid Volume KCC bbls

Well Name: _____

Dewatering method used _____

Comp. Date _____ Old Total Depth _____

Location of fluid disposal if hauled offsite: _____

Deepening Re-perf. Conv. to Inj/SWD
Plug Back PBDT
Commingled Docket No.
Dual Completion Docket No.
Other (SWD or Inj?) Docket No.

Operator Name _____

Lease Name _____

Quarter Sec. 1 Twp. 34 Rng. 30 E/W

10-31-2000 11-17-2000 12-11-00
Spud Date Date Reached TD Completion Date

County _____ Docket No. _____

CONFIDENTIAL

RECEIVED
STATE CORPORATION COMMISSION
CONSERVATION DIVISION
Wichita, Kansas
FEB 21 2001
8-8-01

RELEASED

APR 25 2002

FROM CONFIDENTIAL

FEB 19 2001
CONFIDENTIAL

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 Agent Date 02-19-2001

Subscribed and sworn to before me this 19th day of February, 20 01.

Notary Public [Signature]

Date Commission Expires _____

NOTARY PUBLIC, State of Kansas
Seward County
HELEN M. SMITH
My Appt. Exp. 5-20-01

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

JAN 20

SIDE TWO

Operator Name Raydon Exploration, Inc. Lease Name Cimarron Well # 1-22

Sec. 22 Twp. 34 Rge. 30
 East
 West

County McAlester

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:
Spectral Density Dual Spaced Neutron II Log
High Resolution Induction Log
Microlog

Log Formation (Top), Depth and Datums Sample

Name	Top	Datum
Chase	2697	
Council Grove	3076	
Base Heebner	4480	
Toronto	4506	
Lansing	4616	
Marmaton	5327	
Cherokee FM	5518	
Morrow FM	5859	
Chester FM	5971	
St. Genevieve	6271	

CASING RECORD

New 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"	24#	1655'	65/35 Poz	650	2%cc, 1/4# Flocculants, 6% gel
					Class "A"	150	2%cc, 2% gel
Production	7-7/8"	5-1/2"	15.5#	6345'	Premium	120	10% cc, 5# gils. 10% salt, 6% Halad

322

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

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
6	5872-5891'		

TUBING RECORD		Size 2-3/8	Set At 5834	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. 01-03-01		Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil 1.50 Bbls.	Gas 700 Mcf	Water 0 Bbls.	Gas-Oil Ratio 466 MCF	Gravity 39.0

Disposition of Gas: Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled
(If vented, submit ACO-18.) Other (Specify) _____

ALLIED CEMENTING CO., INC. 4553

CONFIDENTIAL

Federal Tax I.D.# 48-0727860

ORIGINAL

REMIT TO P.O. BOX 3
RUSSELL, KANSAS 67665

SERVICE POINT:
MEDWICH DGE

DATE	11-1-00	SEC.	22	TWP.	34S	RANGE	30W	CALLED OUT	3:00 P.M.	ON LOCATION	6:15 P.M.	JOB START	11:15	JOB FINISH	
LEASE	Cimarron			WELL #	HAWKS, Ks Spot Edge South			COUNTY	MEADE			STATE	KS		
OLD OR NEW	(Circle one)			to Blacklight - 65 - 3/42 to loc											

CONTRACTOR Big A Delg

TYPE OF JOB SURFACE PIPE

HOLE SIZE 12 1/4 T.D. 1655

CASING SIZE 8 3/8 DEPTH 1650

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT 40.

CEMENT LEFT IN CSG. 40 ft

PERFS. _____

DISPLACEMENT 102.54605

EQUIPMENT _____

OWNER _____

CEMENT

AMOUNT ORDERED 150 sks 65/35 6% 20

2% CACL 2 1/4 10 Flo-Seal

250 sks Class A 2% CACL 2 2% Del

USED 200 sk

COMMON	<u>200</u>	@	<u>7.55</u>	<u>1510.00</u>	
POZMIX		@			
GEL	<u>4</u>	@	<u>9.50</u>	<u>38.00</u>	
CHLORIDE	<u>19</u>	@	<u>28.00</u>	<u>532.00</u>	
ALW	<u>650</u>	@	<u>7.05</u>	<u>4582.50</u>	
FLO-SEAL	<u>163#</u>	@	<u>1.05</u>	<u>187.45</u>	
		@			
		@			
		@			
		@			
HANDLING	<u>850</u>	@	<u>1.05</u>	<u>892.50</u>	
MANAGE	<u>850</u>	x	<u>60</u>	<u>.04</u>	<u>2040.00</u>

PUMP TRUCK CEMENTER LARRY STORM **RELEASED**

#356-302 HELPER DAVID WEST

BULK TRUCK

#353-251 DRIVER MIKE

BULK TRUCK

#358-314 DRIVER DAVID

APR 25 2002

FROM CONFIDENTIAL

TOTAL 9782.45

REMARKS:

Booke Cimarron with rotary mud
Switch to truck pumped 5 holes
Freshwater pad started 650 sks 65/35
6% 20 2% CACL 2 1/4 # Flo Seal. Tapped
150 sks class A 2% CACL 2 2% 20
Displaced Allug, Bump to 1100 #
Released - float held
1" BACKSIDE of 8 3/8 60ft to surface

FEB 19 2001

CONFIDENTIAL

SERVICE

DEPTH OF JOB 1650'

PUMP TRUCK CHARGE 1080.00

EXTRA FOOTAGE @ _____

MILEAGE 22 @ 3.00 66.00

PLUG 1-8 3/8 Rubber @ 90.00 90.00

@ _____

@ _____

CHARGE TO: Raydon Exploration

STREET _____

CITY _____ STATE _____ ZIP _____

TOTAL 1236.00

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.

FLOAT EQUIPMENT

1-GUIDE SHOE	@	<u>215.00</u>	<u>215.00</u>
1-AFU INSERT	@	<u>325.00</u>	<u>325.00</u>
1-BASKET	@	<u>180.00</u>	<u>180.00</u>
5-CENTRALIZERS	@	<u>55.00</u>	<u>275.00</u>
	@		

TOTAL 995.00

SIGNATURE [Signature]

TAX BTD

TOTAL CHARGE 12013.45

DISCOUNT 1201.35 IF PAID IN 30 DAYS

10812.10

Gilbert Davila Jr.

PRINTED NAME

WELL NAME

Cimarron #1-22

KCC

COMPANY

Raydon Exploration Co.

FEB 19 2001

LOCATION

22-34-30

Meade co Kansas

CONFIDENTIAL

RELEASED

DATE 11/21/00

APR 25 2002

RECEIVED

STATE CORPORATION COMMISSION

FROM CONFIDENTIAL FEB 21 2001

TRILOBITE TESTING L.L.C.

OPERATOR : Raydon Exploration Co.
 WELL NAME: Cimmaron #1-22
 LOCATION : 22-34S-30W Meade co KS
 INTERVAL : 3184.00 To 3220.00 ft

DATE 11-4-00
 KB 2688.00 ft TICKET NO: 13117 DST #1
 GR 2677.00 ft FORMATION: Council Grove
 TD 3220.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10993	10993	2357			PF Fr. 1714 to 1734 hr
SI 60 Range(Psi)	4250.0	4250.0	4995.0	0.0	0.0	IS Fr. 1734 to 1834 hr
SF 60 Clock(hrs)	12HR.	12HR.	Elet.			SF Fr. 1834 to 1934 hr
FS 120 Depth(ft)	3218.0	3218.0	3188.0	0.0	0.0	FS Fr. 1934 to 2134 hr

	Field	1	2	3	4	
A. Init Hydro	1628.0	0.0	1587.0	0.0	0.0	T STARTED 1540 hr
B. First Flow	97.0	0.0	41.0	0.0	0.0	T ON BOTM 1711 hr
B1. Final Flow	173.0	0.0	190.0	0.0	0.0	T OPEN 1714 hr
C. In Shut-in	769.0	0.0	791.0	0.0	0.0	T PULLED 2134 hr
D. Init Flow	250.0	0.0	196.0	0.0	0.0	T OUT 2315 hr
E. Final Flow	326.0	0.0	307.0	0.0	0.0	
F. Fl Shut-in	801.0	0.0	801.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1542.0	0.0	1503.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 22000.00 lbs
						Wt Pulled Loose 85000.00 lbs
						Initial Str Wt 62000.00 lbs
						Unseated Str Wt 64000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.78 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 355.00 ft
						D.P. Length 2812.00 ft

RECOVERY

Tot Fluid 620.00 ft of 355.00 ft in DC and 265.00 ft in DP
 80.00 ft of watery mud 20%Water 80%Mud
 540.00 ft of Salt water 100% water
 0.00 ft of
 0.00 ft of .254RW 70.2 temp 28500 Chlorides
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 SALINITY 28500.00 P.P.M. A.P.I. Gravity 0.00

CONFIDENTIAL ORIGINAL

BLOW DESCRIPTION

Initial Flow:
 Good blow bottom of bucket in 3 minutes.
 Initial Shut-In:
 No blow back.
 Final Flow:
 Slow building blow built to bottom of bucket in 25 minutes.
 Final Shut-In:
 No blow back.

RCO
 FEB 9 2001
CONFIDENTIAL

RELEASED
APR 25 2002
FROM CONFIDENTIAL

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/c
Vis.	43.00 S/L
W.L.	10.80 in3
F.C.	0.00 in
Mud Drop Y	15.0 ft
Amt. of fill	0.00 ft
Btm. H. Temp.	102.00 F
Hole Condition	Good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Mike Colantonio
Co. Rep.	Ed Grieves
Contr.	Big "A"
Rig #	1
Unit #	
Pump T.	

SAMPLES:
 SENT TO:

Test Successful: Y

TEST HISTORY

13117 DST #1 Cimarron #1-22 Raydon Exploration Co.

Flag Points
t(Min.) P(PSig)

A:	0.00	1587.16
B:	0.00	41.64
C:	29.00	190.56
D:	49.75	791.96
E:	0.00	196.83
F:	59.25	307.12
G:	120.75	801.21
Q:	0.00	1503.61

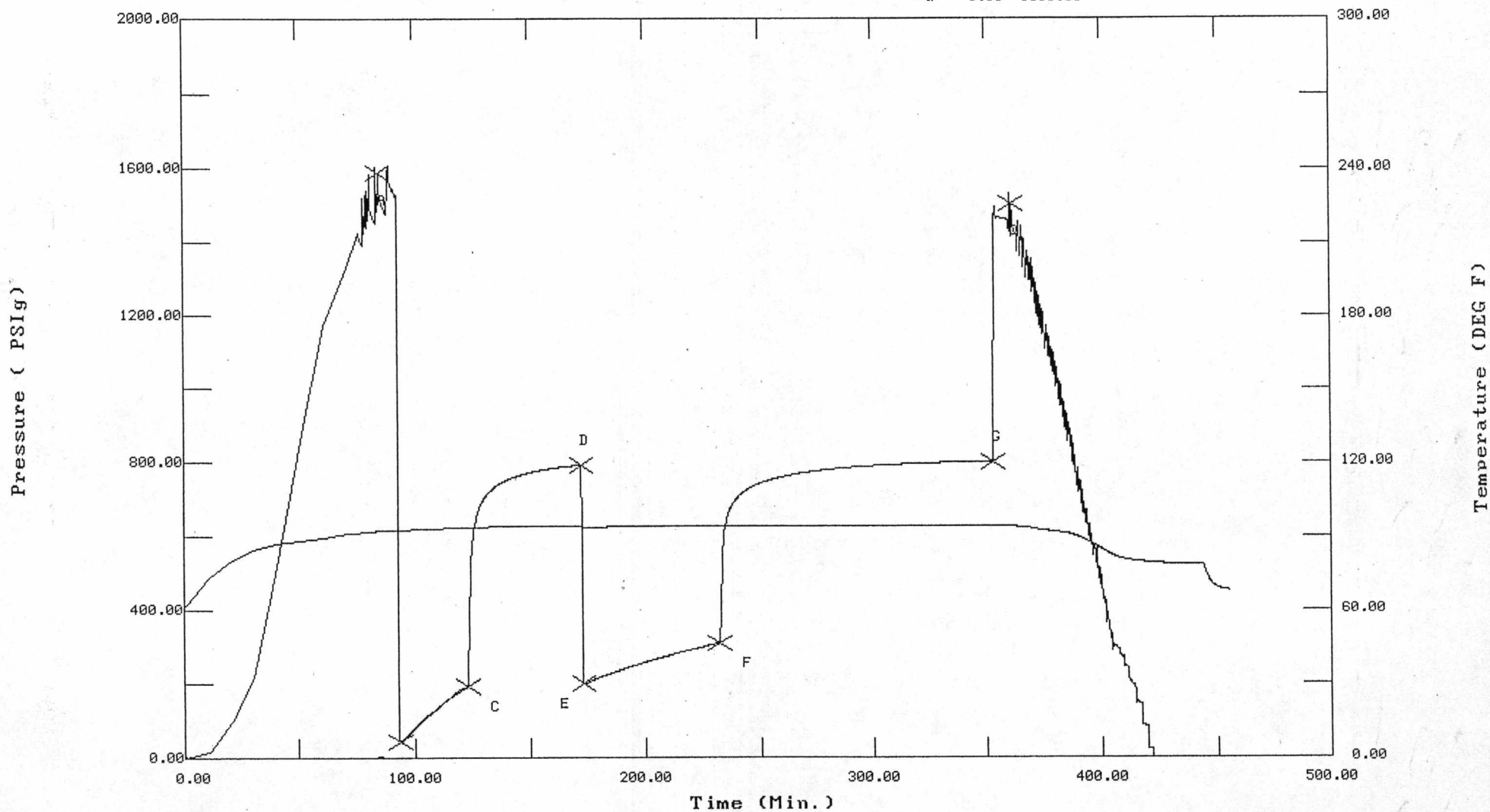
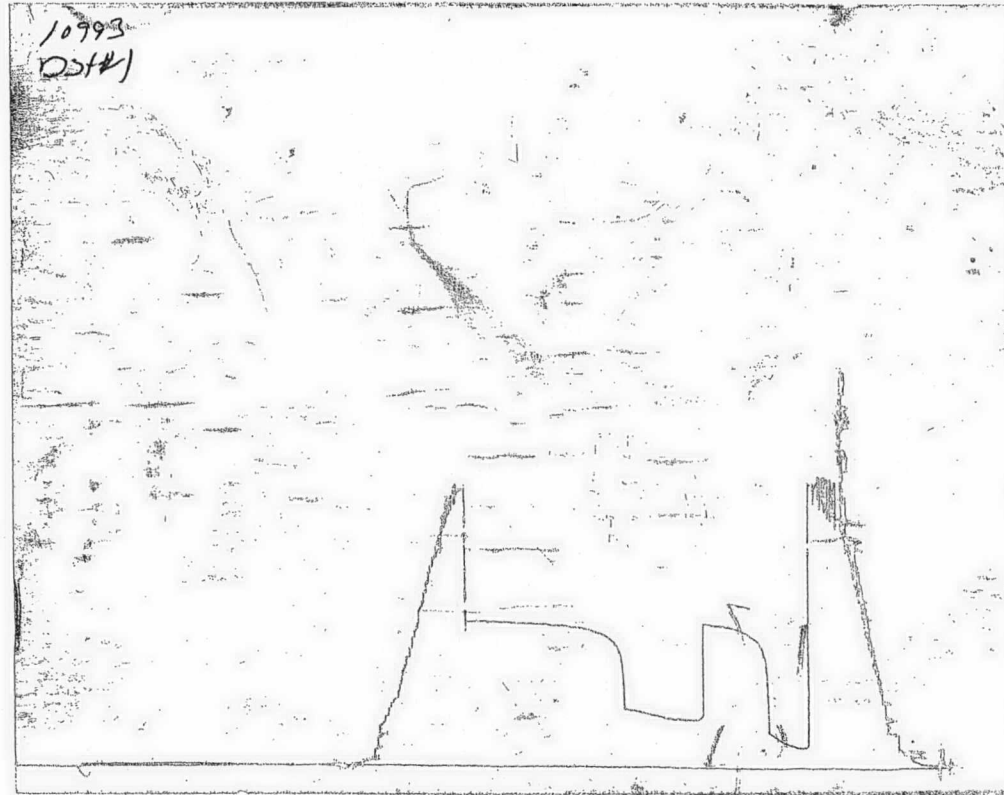


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

No 13117

Test Ticket

Well Name & No. <u>Cimarron #1-22</u>	Test No. <u>#1</u>	Date <u>11-4-00</u>
Company <u>Raydon Exploration Co.</u>	Zone Tested <u>Council Grove</u>	
Address <u>9400 N Broadway Suite 400 O.K. City O.K. 73114</u>		Elevation <u>2688</u> KB <u>2677</u> GL
Co. Rep / Geo. <u>ED Giroux</u>	Cont. <u>Big A Rig #1</u>	Est. Ft. of Pay <u>16</u> Por. <u>12</u> %
Location: Sec. <u>22</u> Twp. <u>34</u>	Rge. <u>30</u>	Co. <u>Meade</u> State <u>KS</u>
No. of Copies _____	Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested <u>3184 - 3220</u>	Initial Str Wt./Lbs. <u>62,000</u>	Unseated Str Wt./Lbs. <u>64,000</u>
Anchor Length <u>36'</u>	Wt. Set Lbs. <u>22,100</u>	Wt. Pulled Loose/Lbs. <u>85,000</u>
Top Packer Depth <u>3179</u>	Tool Weight <u>4,800</u>	
Bottom Packer Depth <u>3184</u>	Hole Size — 7 7/8" <u>X</u>	Rubber Size — 6 3/4" <u>X</u>
Total Depth <u>3220</u>	Wt. Pipe Run <u>X</u>	Drill Collar Run <u>355' 654DS</u>
Mud Wt. <u>9.1</u> LCM <u>2#</u> Vis. <u>43</u> WL <u>10.8</u>	Drill Pipe Size <u>4.5 X - 0</u>	Ft. Run <u>2812' 4654DS</u>

Blow Description Good Blow B.O.B. in 3min
ISI NO Blow BACK
Int. opening Slow Building Blow Built to B.O.B. in 25min.
FSI, NO Blow BACK

Recovery — Total Feet <u>620</u>	GIP _____	Ft. in DC <u>355</u>	Ft. in DP <u>265'</u>
Rec. <u>80</u> Feet Of <u>WATERY MUD</u>	%gas _____	%oil _____	<u>70</u> %water <u>80</u> %mud
Rec. <u>540</u> Feet Of <u>SALT WATER</u>	%gas _____	%oil _____	<u>100</u> %water _____ %mud
Rec. _____ Feet Of _____	%gas _____	%oil _____	_____ %water _____ %mud
Rec. _____ Feet Of _____	%gas _____	%oil _____	_____ %water _____ %mud
Rec. _____ Feet Of _____	%gas _____	%oil _____	_____ %water _____ %mud

BHT 102 °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API
 RW .254 @ 70.2 °F Chlorides 28,500 ppm Recovery Chlorides 8,900 ppm System

(A) Initial Hydrostatic Mud	AK-1 <u>1628</u>	Alpine <u>1587</u>	PSI Recorder No. <u>2357</u>	T-On Location <u>2:00pm</u>
(B) First Initial Flow Pressure	<u>97</u>	<u>41</u>	PSI (depth) <u>3188</u>	T-Started <u>3:40pm</u>
(C) First Final Flow Pressure	<u>173</u>	<u>190</u>	PSI Recorder No. <u>10993</u>	T-Open <u>5:14pm</u>
(D) Initial Shut-In Pressure	<u>769</u>	<u>791</u>	PSI (depth) <u>3218</u>	T-Pulled <u>9:34pm</u>
(E) Second Initial Flow Pressure	<u>250</u>	<u>196</u>	PSI Recorder No. _____	T-Out <u>11:15pm</u>
(F) Second Final Flow Pressure	<u>326</u>	<u>307</u>	PSI (depth) _____	T-Off Location <u>12:30pm</u>
(G) Final Shut-in Pressure	<u>801</u>	<u>801</u>	PSI Initial Opening <u>30min.</u>	Test <input checked="" type="checkbox"/>
(Q) Final Hydrostatic Mud	<u>1542</u>	<u>1503</u>	PSI Initial Shut-in <u>60min</u>	Jars <input checked="" type="checkbox"/>
			Final Flow <u>60min.</u>	Safety Joint <input checked="" type="checkbox"/>
			Final Shut-in <u>120min</u>	Straddle _____
				Circ. Sub <input checked="" type="checkbox"/> <u>N/C</u>
				Sampler _____
				Extra Packer <input checked="" type="checkbox"/> <u>2 5/8" H&L</u>
				Elec. Rec. <input checked="" type="checkbox"/>
				Mileage <u>75.00</u>
				Other <input checked="" type="checkbox"/> <u>5100y 30.00</u>
				TOTAL PRICE \$ <u>1455.00</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 [Signature]
 Our Representative [Signature]

TRILOBITE TESTING L.L.C.

OPERATOR : Raydon Exploration Co. DATE 11-5-00
 WELL NAME: Cimmaron #1-22 KB 2688.00 ft TICKET NO: 13118 DST #2
 LOCATION : 22-34S-30W Meade co KS GR 2677.00 ft FORMATION: Council Grove
 INTERVAL : 3231.00 To 3255.00 ft TD 3255.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10993	10993	2357			PF Fr. 1147 to 1217 hr
SI 60 Range(Psi)	4250.0	4250.0	4995.0	0.0	0.0	IS Fr. 1217 to 1317 hr
SF 60 Clock(hrs)	12HR.	12HR.	Elet.			SF Fr. 1317 to 1417 hr
FS 120 Depth(ft)	3253.0	3253.0	3233.0	0.0	0.0	FS Fr. 1417 to 1617 hr

	Field	1	2	3	4	
A. Init Hydro	0.0	0.0	1611.0	0.0	0.0	T STARTED 1015 hr
B. First Flow	0.0	0.0	288.0	0.0	0.0	T ON BOTM 1443 hr
B1. Final Flow	0.0	0.0	650.0	0.0	0.0	T OPEN 1447 hr
C. In Shut-in	0.0	0.0	827.0	0.0	0.0	T PULLED 1617 hr
D. Init Flow	0.0	0.0	661.0	0.0	0.0	T OUT 1830 hr
E. Final Flow	0.0	0.0	816.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	834.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	0.0	0.0	1553.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	O	O	I			Wt Set On Packer 25000.00 lbs
						Wt Pulled Loose 90000.00 lbs
						Initial Str Wt 65000.00 lbs
						Unseated Str Wt 72000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.78 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 355.00 ft
						D.P. Length 2843.00 ft

RECOVERY

Tot Fluid 1560.00 ft of 355.00 ft in DC and 1205.00 ft in DP
 140.00 ft of Watery mud 30% water 70% mud
 120.00 ft of Muddy water 60% water 40% mud
 1300.00 ft of Salt water 100% water
 0.00 ft of
 0.00 ft of .142RW 71.2Temp
 0.00 ft of 68000 Chlorides
 0.00 ft of
 0.00 ft of
 SALINITY 68000.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----

Mud Type	Chemical
Weight	9.00 lb/c
Vis.	44.00 S/L
W.L.	10.00 in3
F.C.	0.00 in
Mud Drop Y	35.0 ft
Amt. of fill	0.00 ft
Btm. H. Temp.	102.00 F
Hole Condition	Good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Mike Colantonio
Co. Rep.	Ed Grieves
Contr.	Big "A"
Rig #	1
Unit #	
Pump T.	

BLOW DESCRIPTION

Initial Flow:
 Strong blow bottom of bucket in 1 minute.
 Initial Shut-In:
 Bled off 2" took 6 minutes. Had 7" blow back.
 Final Flow:
 Strong blow bottom of bucket in 30 seconds.
 Final Shut-In:
 Bled off 2". No blow back.

SAMPLES:
 SENT TO:

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Cimarron #1-22

LOCATION : 22-34S-30W Meade co KS

TICKET No. 13118 D.S.T. No. 2 DATE 11-5-00

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 24

TOTAL TOOL 51

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.	Stands	Single	Total
-------------------	--------	--------	-------

D.P. ANCHOR STND.	Stands	Single	Total
-------------------	--------	--------	-------

TOTAL ASSEMBLY

D.C. ABOVE TOOLS.	Stands	6	Single	Total	355
-------------------	--------	---	--------	-------	-----

D.P. ABOVE TOOLS.	Stands	46	Single	1	Total	2873
-------------------	--------	----	--------	---	-------	------

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3279

TOTAL DEPTH 3255

TOTAL DRILL PIPE ABOVE K.B. 21ft.

REMARKS:

"NO SAMPLER DATA Requested"

H	P.O. SUB Top tool	3203
H	C.O. SUB 1ft	3204
H	S.I. TOOL Sterling	3209
H		
H	HMV Sterling	3214
H	JARS Sterling	3219
H		
H	SAFETY JOINT Bowens	3221
H	PACKER 5ft Shale	3226
H	PACKER 5ft Shale	3231
H	DEPTH	
H	1ft	3232
H	ANCHOR	
H	1ft Perf	3233
H		
H	Alpine Rec.	3233
H		
H		
H		
H		
H		
H		
H		
H		
H		
H		
H	5ft PU Sub	3238
H	15ft Perf	3253
H	BULLNOSE AK-1 Rec	3253
H	T.D. 2ft Bullplug	3255

TEST HISTORY

13118 DST#2 Cimarron #1-22 Raydon Exploration Co.

Flag Points
t(Min.) P(PSIG)

A:	0.00	1611.68
B:	0.00	288.02
C:	29.25	650.65
D:	60.50	827.49
E:	0.00	661.46
F:	61.75	816.57
G:	118.00	834.20
Q:	0.00	1553.90

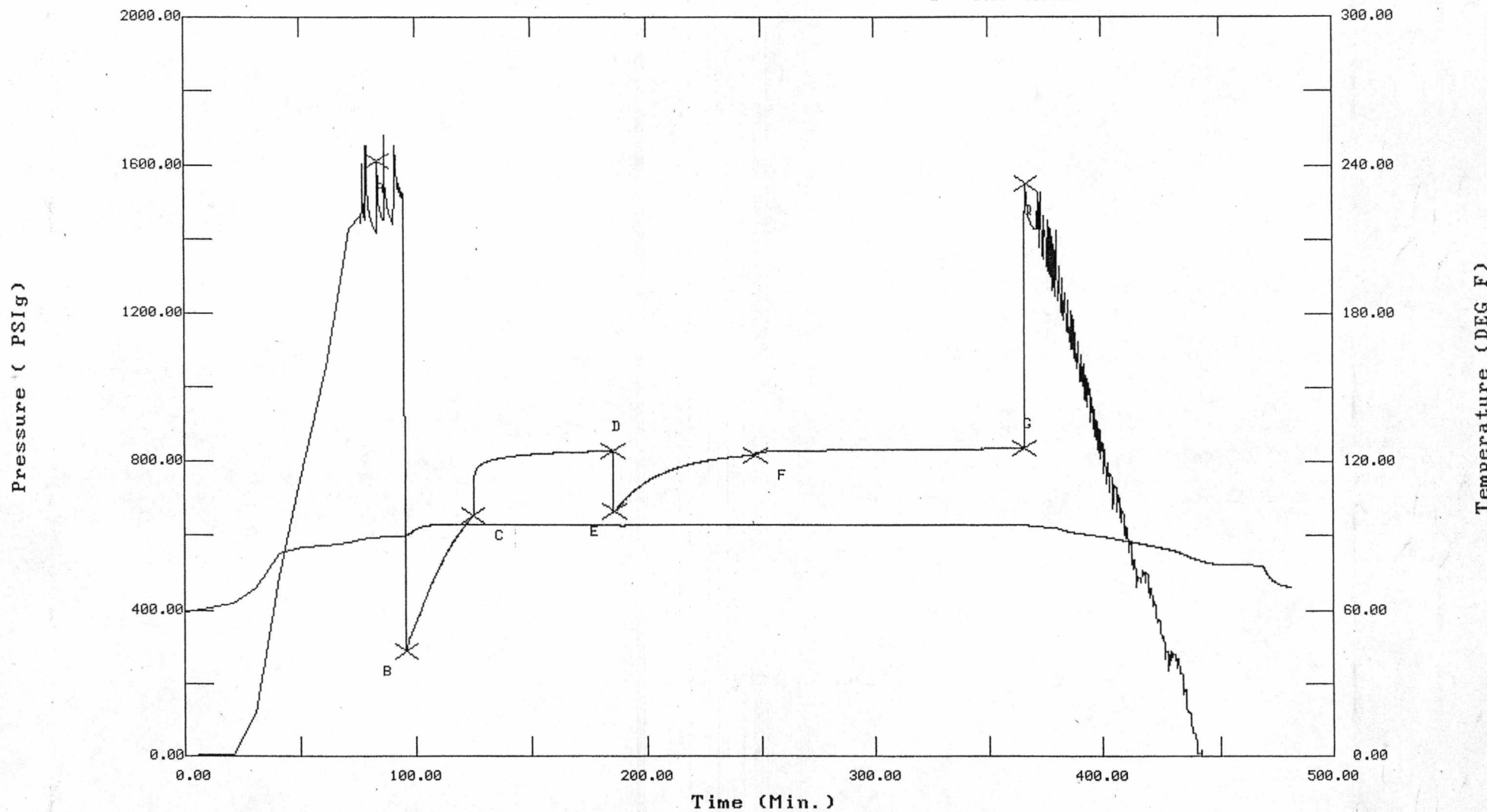
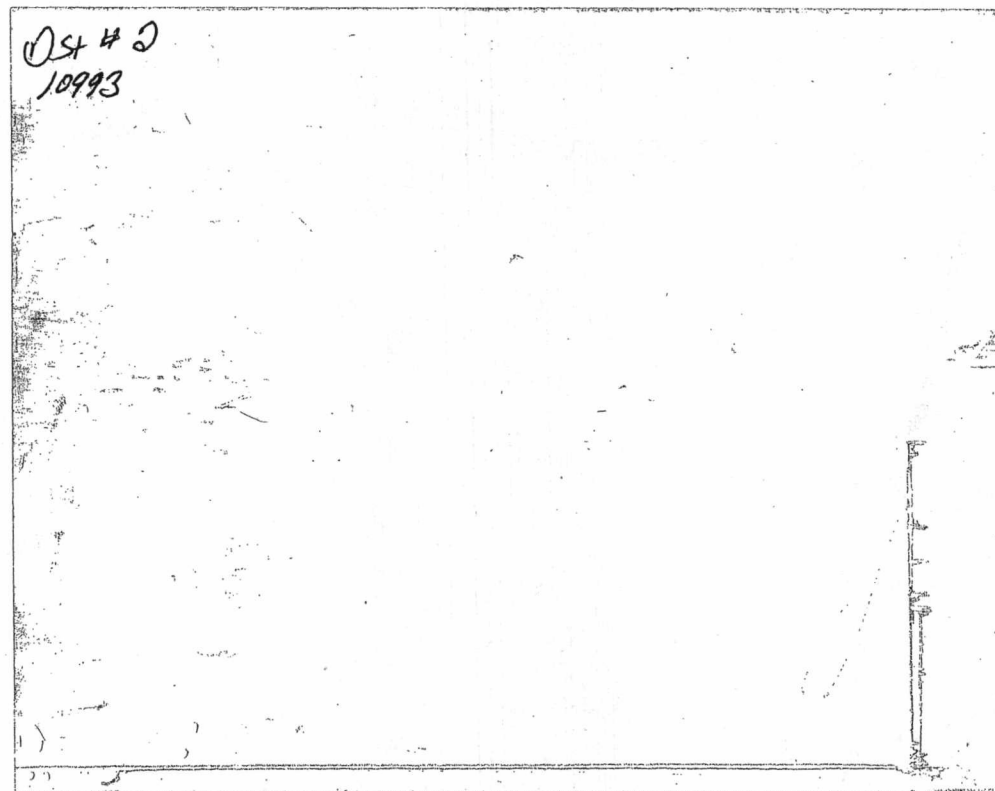


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

No 13118

Test Ticket

Well Name & No. <u>Cimarron #1-22</u>		Test No. <u>#2</u>	Date <u>11-5-00</u>
Company <u>Raydon Exploration Co.</u>		Zone Tested <u>Council Grove</u>	
Address <u>OK City OK 73114</u>		Elevation <u>2688</u> KB <u>2677</u> GL	
Co. Rep / Geo. <u>ED Crites</u>	Cont. <u>Big "A" Ry #1</u>	Est. Ft. of Pay <u>10</u> Por. <u> </u> %	
Location: Sec. <u>02</u>	Twp. <u>34</u>	Rge. <u>30</u>	Co. <u>Moede</u> State <u>KS</u>
No. of Copies <u> </u>	Distribution Sheet (Y, N) <u> </u>	Turnkey (Y, N) <u> </u>	Evaluation (Y, N) <u> </u>

Interval Tested <u>3231-3255</u>	Initial Str Wt./Lbs. <u>65,000</u>	Unseated Str Wt./Lbs. <u>72,000</u>
Anchor Length <u>24'</u>	Wt. Set Lbs. <u>25,000</u>	Wt. Pulled Loose/Lbs. <u>9,000</u>
Top Packer Depth <u>3228</u>	Tool Weight <u>1,800</u>	
Bottom Packer Depth <u>3231</u>	Hole Size — 7 7/8" <u>X</u>	Rubber Size — 6 3/4" <u>X</u>
Total Depth <u>3255</u>	Wt. Pipe Run <u>X</u>	Drill Collar Run <u>355 65/105</u>
Mud Wt. <u>9.0</u> LCM <u>2nd</u> Vis. <u>44</u> WL <u>10</u>	Drill Pipe Size <u>45x0</u>	Ft. Run <u>2843 16x540</u>

Blow Description Strong Blow Bob in 1 min
ISI Del off 3" Tool 6 min Hed 7" Blow Back
Ind. opening Strong Blow Bob in 30 sec.
FSI Del off 2" rod Blow Back

Recovery — Total Feet <u>1560'</u>	GIP <u> </u>	Ft. in DC <u>355'</u>	Ft. in DP <u>1205'</u>
Rec. <u>140</u> Feet Of <u>Watery mud</u>	%gas <u> </u> %oil <u>30</u> %water <u>70</u> %mud <u> </u>		
Rec. <u>120</u> Feet Of <u>Muddy Water</u>	%gas <u> </u> %oil <u>60</u> %water <u>40</u> %mud <u> </u>		
Rec. <u>1300</u> Feet Of <u>Salt Water</u>	%gas <u> </u> %oil <u>100</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 102 °F Gravity °API D@ °F Corrected Gravity °API
 RW .142 @ 71.2 °F Chlorides 68,000 ppm Recovery Chlorides 9,600 ppm System

	AK-1	Alpine			
(A) Initial Hydrostatic Mud	<u>1611</u>	PSI	Recorder No. <u>2357</u>	T-On Location <u>9:30am</u>	
(B) First Initial Flow Pressure	<u>288</u>	PSI	(depth) <u>3233</u>	T-Started <u>10:15am</u>	
(C) First Final Flow Pressure	<u>650</u>	PSI	Recorder No. <u>10993</u>	T-Open <u>11:47am</u>	
(D) Initial Shut-In Pressure	<u>827</u>	PSI	(depth) <u>3253</u>	T-Pulled <u>4:17pm</u>	
(E) Second Initial Flow Pressure	<u>661</u>	PSI	Recorder No. <u> </u>	T-Out <u>6:30pm</u>	
(F) Second Final Flow Pressure	<u>816</u>	PSI	(depth) <u> </u>	T-Off Location <u>7:00pm</u>	
(G) Final Shut-in Pressure	<u>834</u>	PSI	Initial Opening <u>30min</u>	Test <u>✓ Conventional</u>	
(Q) Final Hydrostatic Mud	<u>1553</u>	PSI	Initial Shut-in <u>60min</u>	Jars <u>✓</u>	
			Final Flow <u>60min</u>	Safety Joint <u>✓</u>	
			Final Shut-in <u>120min</u>	Straddle <u> </u>	
				Circ. Sub <u>✓ N/C</u>	
				Sampler <u> </u>	
				Extra Packer <u>✓ 25ft</u>	
				Elec. Rec. <u>✓</u>	
				Mileage <u>✓ 75.00</u>	
				Other <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 [Signature]
 Our Representative [Signature]

TOTAL PRICE \$ 81425.00

TRILOBITE TESTING L.L.C.

OPERATOR : Raydon Exploration Co.
 WELL NAME: Cimarron #1-22
 LOCATION : 22-34S-30W Meade co KS
 INTERVAL : 5850.00 To 5902.00 ft

DATE 11-12-00

KB 2688.00 ft TICKET NO: 13120 DST #3
 GR 2677.00 ft FORMATION: Morrow "A"
 TD 5902.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 15 Rec.	10993	10993	2357			PF Fr. 0930 to 0945 hr
SI 60 Range(Psi)	4250.0	4250.0	4995.0	0.0	0.0	IS Fr. 0945 to 1045 hr
SF 60 Clock(hrs)	12HR.	12HR.	Elet.			SF Fr. 1045 to 1145 hr
FS 120 Depth(ft)	5900.0	5900.0	5852.0	0.0	0.0	FS Fr. 1145 to 1345 hr

	Field	1	2	3	4	
A. Init Hydro	2972.0	0.0	2947.0	0.0	0.0	T STARTED 0730 hr
B. First Flow	1253.0	0.0	1179.0	0.0	0.0	T ON BOTM 0926 hr
B1. Final Flow	1231.0	0.0	1169.0	0.0	0.0	T OPEN 0930 hr
C. In Shut-in	1972.0	0.0	1955.0	0.0	0.0	T PULLED 1345 hr
D. Init Flow	1210.0	0.0	1180.0	0.0	0.0	T OUT 1645 hr
E. Final Flow	1103.0	0.0	1054.0	0.0	0.0	
F. Fl Shut-in	1950.0	0.0	1952.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2898.0	0.0	2827.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 25000.00 lbs
						Wt Pulled Loose 120000.00 lbs
						Initial Str Wt 92000.00 lbs
						Unseated Str Wt 92000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.78 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 355.00 ft
						D.P. Length 5515.00 ft

RECOVERY

Tot Fluid 0.00 ft of 0.00 ft in DC and 0.00 ft in DP
 0.00 ft of Condensated on top shut in tool.
 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:
 Very strong blow bottom of bucket soon as tool opened. Gas to surface in 1 minutes. Gauged MCF @ 9220000

Initial Shut-In:
 No blow back.

Final Flow:
 Very strong blow bottom of bucket as soon as tool opened. MCF @ 9220000

Final Shut-In:
 No blow back.

SAMPLES: Yes 1
 SENT TO: Caraway Lab Liberal.

Test Successful: Y

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/c
Vis.	53.00 S/L
W.L.	7.00 in3
F.C.	0.00 in
Mud Drop Y	75.0 ft
Amt. of fill	1.00 ft
Btm. H. Temp.	129.00 F
Hole Condition	Good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Mike Colantonio
Co. Rep.	Ed Grieves
Contr.	Big "A"
Rig #	#1
Unit #	
Pump T.	

GAS RECOVERY

COMPANY: Raydon Exploration Co.

DATE: 11-12-00

WELL NAME: Cimarron #1-22

KB Elev: 2688.00 ft TICKET #13120 DST #3

WELL LOCATION: 22-34S-30W Meade co KS

GR Elev: 2677.00 ft FORMATION: Morrow "A"

INTERVAL Fr.: 5850.00 To 5902.00 T.D.: 5902.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH Merla data

***** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	2.00	45	0	6066000.0
10	2.00	60	0	7605000.0
15	2.00	76	0	9220000.0

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	2.00	50	0	6580000.0
10	2.00	72	0	8827000.0
15	2.00	76	0	9220000.0
20	2.00	80	0	9614000.0
30	2.00	80	0	9614000.0
40	2.00	78	0	9417000.0
50	2.00	76	0	9220000.0
60	2.00	76	0	9220000.0

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, Inc
P. O. Box 2137
Liberal, Kansas 67905
Phone: 316-624-5389
Fax: 316-626-7108

Lab Number: 20005883 Analyzed: 11/13/00

Sample From: Cimarron 1-22 DST 3 Pressure:
Producer: Raydon Exploration Temperature:

Date: Location: 22-34-30

Time: County: Meade
Sampler: Mike Colantonio State: Kansas
Source: Formation: Morrow A

	Mole %	GPM
Helium	He: 0.127	0.000
Hydrogen	H2: 0.002	0.000
Oxygen	O2: 0.016	0.000
Nitrogen	N2: 2.932	0.000
Carbon Dioxide	CO2: 0.115	0.000
Methane	C1: 84.776	0.000
Ethane	C2: 5.970	1.597
Propane	C3: 3.654	1.007
Iso Butane	iC4: 0.467	0.153
Normal Butane	nC4: 1.035	0.326
Iso Pentane	iC5: 0.232	0.085
Normal Pentane	nC5: 0.264	0.096
Hexanes Plus	C6+: 0.410	0.179

TOTAL: 100.000 3.442

Z Fact: 0.9972

SP.GR.: 0.6755

BTU (SAT): 1129.5 @ 14.73 psia

BTU (DRY): 1149.5 @ 14.73 psia

OCTANE RATING: 121.7

COMMENTS:

0.016

TEST HISTORY

13120 DST #3 Cimarron #1-22 Raydon Exploration Co.

Flag Points
t(Min.) P(PSIg)

R:	0.00	2947.37
B:	0.00	1179.81
C:	6.50	1169.35
D:	59.50	1955.66
E:	0.00	1180.03
F:	55.50	1054.92
G:	123.50	1952.77
Q:	0.00	2827.49

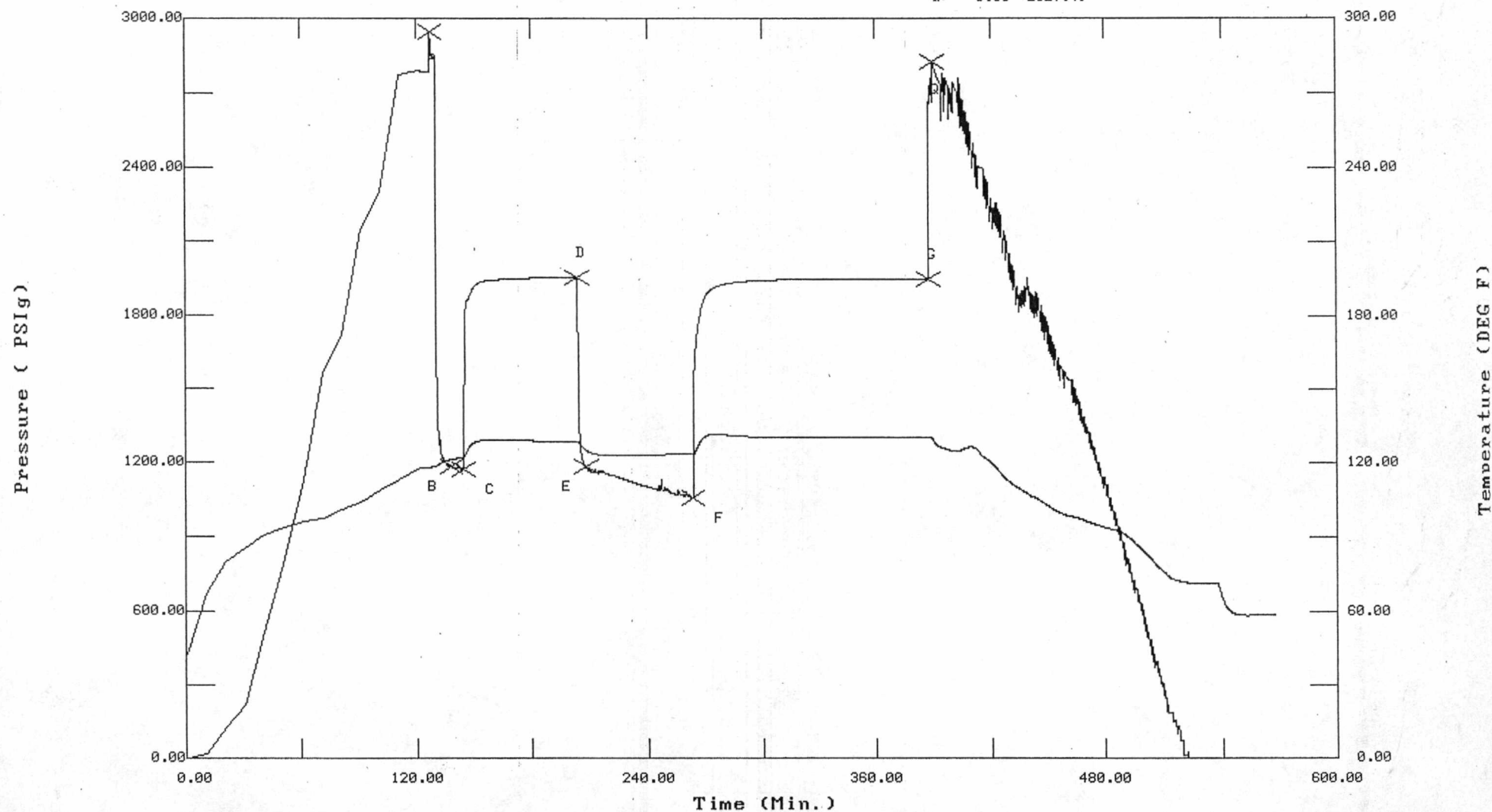
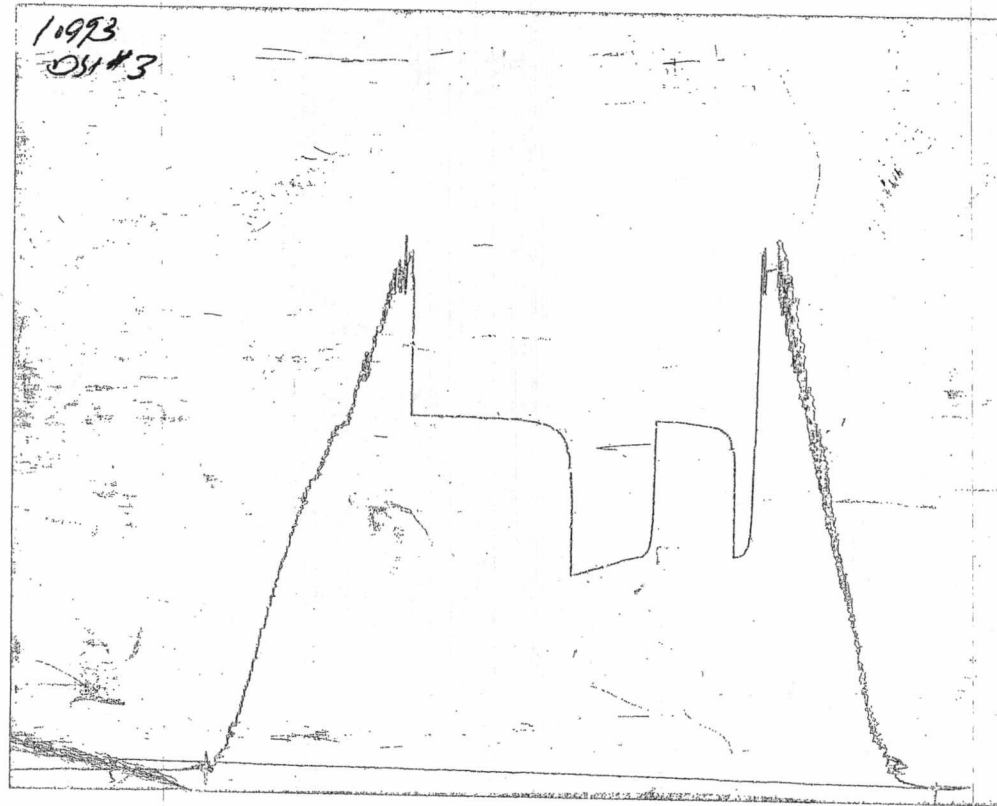


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

No 13120

Test Ticket

Well Name & No. Cimarron #1-22 Test No. #3 Date 11-12-00
 Company Raydon Exploration Co. Zone Tested Morrow "A"
 Address OK. City OK. 73114 Elevation 2688 KB 2677 GL
 Co. Rep / Geo. ED Grieco Cont. Big "A" Rd #1 Est. Ft. of Pay 16 Por. 14 %
 Location: Sec. 22 Twp. 34 Rge. 30 Co. Meade State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 5850 - 5902 Initial Str Wt./Lbs. 27000 Unseated Str Wt./Lbs. 27000
 Anchor Length 50' Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 10000
 Top Packer Depth 5845 Tool Weight 1,800
 Bottom Packer Depth Stale Packer 5850 Hole Size — 7 7/8" X Rubber Size — 6 3/4" X
 Total Depth 5902 Wt. Pipe Run X Drill Collar Run 355 65115
 Mud Wt. 9.1 LCM 3rd Vis. 53 WL 7 Drill Pipe Size 4.5x-0 Ft. Run 5515' 90SHDS
 Blow Description Very Strong Blw B.O.B. seen as open Jul 675/min

Ind opening Very Strong Blw B.O.B. seen as open McF @ 9200000

Recovery — Total Feet 0 GIP _____ Ft. in DC 0 Ft. in DP _____
 Rec. 0 Feet Of Condensate on Top Shut-in %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 129 °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 3200 ppm System

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>2972</u>	<u>2947</u>		<u>2357</u>	<u>4:15 am</u>
(B) First Initial Flow Pressure	<u>1253</u>	<u>1179</u>		(depth) <u>5850</u>	T-Started <u>7:30 am</u>
(C) First Final Flow Pressure	<u>1231</u>	<u>1169</u>		Recorder No. <u>10993</u>	T-Open <u>9:30 am</u>
(D) Initial Shut-In Pressure	<u>1972</u>	<u>1955</u>		(depth) <u>5900</u>	T-Pulled <u>1:45 pm</u>
(E) Second Initial Flow Pressure	<u>1210</u>	<u>1180</u>		Recorder No. _____	T-Out <u>4:45 pm</u>
(F) Second Final Flow Pressure	<u>1103</u>	<u>1054</u>		(depth) _____	T-Off Location <u>6:00 pm</u>
(G) Final Shut-in Pressure	<u>1950</u>	<u>1952</u>		Initial Opening <u>15 min</u>	Test <u>Conventional</u>
(Q) Final Hydrostatic Mud	<u>2898</u>	<u>2827</u>		Initial Shut-in <u>60 min</u>	Jars <u>✓</u>
				Final Flow <u>60 min</u>	Safety Joint <u>✓</u>
				Final Shut-in <u>120 min</u>	Straddle _____
					Circ. Sub <u>✓</u>
					Sampler _____
					Extra Packer <u>✓ 15Hak</u>
					Elec. Rec. <u>✓</u>
					Mileage <u>✓ 275.00</u>
					Other <u>✓ Spudby \$90.00</u>
					TOTAL PRICE <u>181500.00</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 [Signature]
 Our Representative [Signature]

TRILOBITE TESTING L.L.C.

OPERATOR : Raydon Exploration Co. DATE 11-13-00
 WELL NAME: Cimarron #1-22 KB 2688.00 ft TICKET NO: 13121 DST #4
 LOCATION : 22-34-30 Meade co KS GR 2677.00 ft FORMATION: Morrow
 INTERVAL : 5929.00 To 5940.00 ft TD 5940.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10993	10993	2357			PF Fr. 1354 to 1424 hr
SI 60 Range(Psi)	4250.0	4250.0	4995.0	0.0	0.0	IS Fr. 1424 to 1524 hr
SF 120 Clock(hrs)	12HR.	12HR.	Elet.			SF Fr. 1524 to 1724 hr
FS 120 Depth(ft)	5938.0	5938.0	5931.0	0.0	0.0	FS Fr. 1724 to 1924 hr

	Field	1	2	3	4	
A. Init Hydro	2961.0	0.0	2917.0	0.0	0.0	T STARTED 1145 hr
B. First Flow	87.0	0.0	28.0	0.0	0.0	T ON BOTM 1350 hr
B1. Final Flow	108.0	0.0	80.0	0.0	0.0	T OPEN 1354 hr
C. In Shut-in	1993.0	0.0	1974.0	0.0	0.0	T PULLED 1924 hr
D. Init Flow	108.0	0.0	30.0	0.0	0.0	T OUT 2215 hr
E. Final Flow	119.0	0.0	87.0	0.0	0.0	
F. Fl Shut-in	1950.0	0.0	1951.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2845.0	0.0	2873.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	O	O	I			Wt Set On Packer 25000.00 lbs
						Wt Pulled Loose 130000.00 lbs
						Initial Str Wt 94000.00 lbs
						Unseated Str Wt 94000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.78 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 355.00 ft
						D.P. Length 5577.00 ft

RECOVERY

Tot Fluid 10.00 ft of 10.00 ft in DC and 0.00 ft in DP
 10.00 ft of Drilling mud
 0.00 ft of 100% 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:
 Strong blow bottom of bucket in 1 minute. Gas to surface in 20 minutes.
 Initial Shut-In:
 Bled off blow took 5 minutes. No blow back.
 Final Flow:
 Very strong blow bottom of bucket as soon as tool opened.
 Final Shut-In:
 Bled off 2". No blow back.

SAMPLES: Yes 1
 SENT TO: Caraway lab Liberal.

Test Successful: Y

MUD DATA-----

Mud Type	Chemical
Weight	9.00 lb/c
Vis.	52.00 S/L
W.L.	6.80 in3
F.C.	0.00 in
Mud Drop Y	125.0 ft
Amt. of fill	0.00 ft
Btm. H. Temp.	129.00 F
Hole Condition	Good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Mike Colantonio
Co. Rep.	Ed Grieves
Contr.	Big "A"
Rig #	#1
Unit #	
Pump T.	

GAS RECOVERY

COMPANY: Raydon Exploration Co.

DATE: 11-13-00

WELL NAME: Cimarron #1-22

KB Elev: 2688.00 ft TICKET #13121 DST #4

WELL LOCATION: 22-34-30 Meade co KS

GR Elev: 2677.00 ft FORMATION: Morrow

INTERVAL Fr.: 5929.00 To 5940.00 T.D.: 5940.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH Merla Data

***** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
25	0.25	8	0	27000.0
30	0.25	13	0	35900.0

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	0.25	12	0	34000.0
10	0.25	20	0	47100.0
20	0.25	28	0	59000.0
30	0.25	35	0	73000.0
40	0.25	42	0	78600.0
50	0.25	47	0	85500.0
60	0.25	52	0	92500.0
70	0.25	56	0	98100.0
80	0.25	59	0	102300.0
90	0.25	61	0	105000.0
100	0.25	63	0	107800.0
110	0.25	64	0	109200.0
120	0.25	65	0	110600.0

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Cimarron #1-22

LOCATION : 22-34-30 Meade co KS

TICKET No. 13121 D.S.T. No. 4 DATE 11-13-00

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 11

TOTAL TOOL 38

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY

D.C. ABOVE TOOLS.Stands6 Single Total 355

D.P. ABOVE TOOLS.Stands84 Single Total 5577

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5970

TOTAL DEPTH 5940

TOTAL DRILL PIPE ABOVE K.B. 30

REMARKS:

"NO SAMPLER DATA REQUESTED"

H	P.O. SUB Top Tool	5902
H	C.O. SUB 1ft	5903
H	S.I. TOOL Sterling	5908
H		
H	HMV Sterling	5913
H	JARS Sterling	5918
H		
H	SAFETY JOINT Bowens	5920
H	PACKER 5ft Shale	5924
H	PACKER 5ft Shale	5929
H	DEPTH	
H	1ft	5930
H	ANCHOR	
H	1ft Perf	5931
H		
H	Alpine rec. @	5931
H		
H		
H		
H		
H		
H		
H		
H		
H		
H		
H		
H	5ft P.U. Sub	5936
H		
H	2ft Perf	5938
H		
H	BULLNOSE AK-1 Rec. @	5938
H	T.D. 2ft Bullplug	5940

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, Inc
P. O. Box 2137
Liberal, Kansas 67905
Phone: 316-624-5389
Fax: 316-626-7108

Lab Number: 20005884

Analyzed: 11/13/00

Sample From: Cimarron 1-22 DST 4
Producer: Raydon Exploration

Pressure:
Temperature:

Date: Location: 22-34-30

Time:
Sampler: Mike Colantonio
Source:

County: Meade
State: Kansas
Formation: Morrow

	Mole %	GPM
Helium	He: 0.120	0.000
Hydrogen	H2: 0.001	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 2.860	0.000
Carbon Dioxide	CO2: 0.161	0.000
Methane	C1: 83.925	0.000
Ethane	C2: 6.169	1.650
Propane	C3: 3.878	1.069
Iso Butane	iC4: 0.475	0.155
Normal Butane	nC4: 1.091	0.344
Iso Pentane	iC5: 0.248	0.091
Normal Pentane	nC5: 0.309	0.112
Hexanes Plus	C6+: 0.763	0.333

TOTAL: 100.000 3.753

Z Fact: 0.9971

SP.GR.: 0.6904

BTU (SAT): 1152.6 @ 14.73 psia
BTU (DRY): 1173.0 @ 14.73 psia

OCTANE RATING: 121.2

COMMENTS:

0.000

TEST HISTORY

13121 DST#4 Cimarron #1-22 Raydon Exploration Co.

Flag Points

	t (Min.)	P (PSIg)
A:	0.00	2917.93
B:	0.00	28.56
C:	30.25	80.25
D:	61.50	1974.49
E:	0.00	30.73
F:	117.00	87.46
G:	118.75	1951.76
Q:	0.00	2873.63

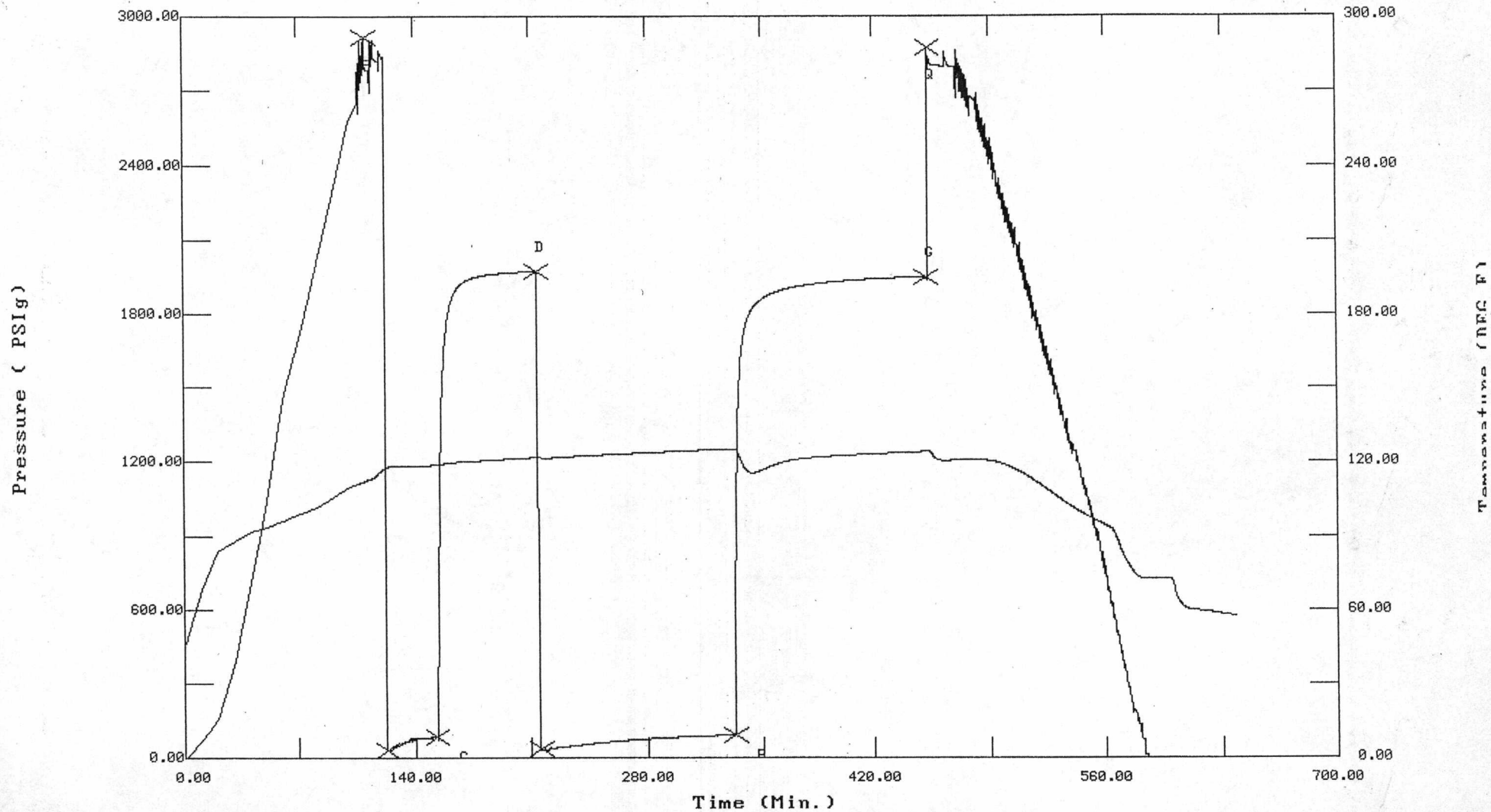
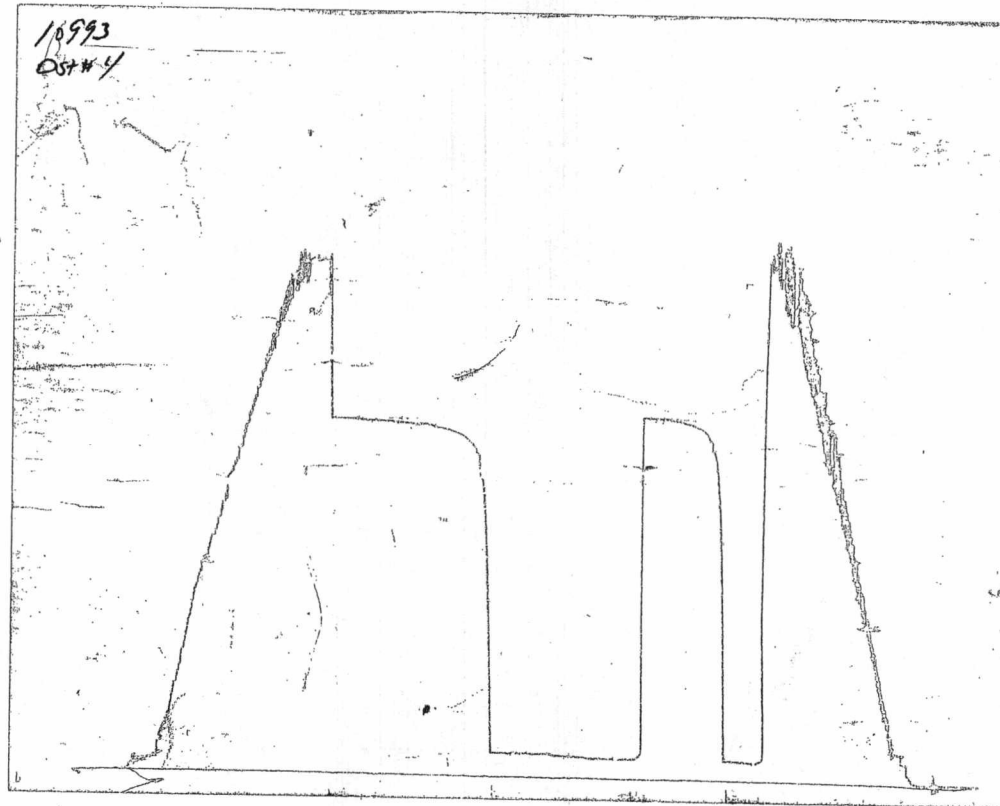
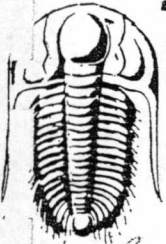


CHART PAGE



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



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601 • (913) 625-4778

GAS VOLUME REPORT

Rayden Exploration Co.
OPERATOR

Cimarron #1-22
WELL NAME AND NO.

**4*
DST NO.

1st opening GTS 20min

2nd opening

Min.	Ins. of Water PSIG	Orifice Size	MCF/D	Min.	Ins. of Water PSIG	Orifice Size	MCF/D
25	8	.250	27100	5	12	.250	34100
30	13	.250	35900	10	20	.250	47100
				15	24	.250	53200
				20	28	.250	59000
<i>2nd Flow</i>				25	32	.250	64600
				30	35	.250	69000
40	64	.250	109200	35	38	.250	73000
45	64	.250	109200	40	42	.250	78600
120	65	.250	110600	45	44	.250	81200
				50	47	.250	85500
				55	50	.250	89700
				60	52	.250	92500
				65	54	.250	95300
				70	56	.250	98100
				75	58	.250	10090
				80	59	.250	102300
				85	60	.250	103600
				90	61	.250	105000
				95	62	.250	106400
				100	63	.250	107800
				105	63	.250	107800

Remarks:

Gas Will Burn

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

No 13121

Test Ticket

Well Name & No. Cinaron #1-22 Test No. 124 Date 11-13-00
 Company Raydon Exploration Co. Zone Tested Morrow
 Address Ok. City Ok. 73114 Elevation 2688 KB 2677 GL
 Co. Rep / Geo. ED Cicco Cont. Big "A" Rij #1 Est. Ft. of Pay 9 Por. 12 %
 Location: Sec. 22 Twp. 34 Rge. 30 Co. Moede State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 5929-5940 Initial Str Wt./Lbs. 94000 Unseated Str Wt./Lbs. 94000
 Anchor Length 11' Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 130,000
 Top Packer Depth 5924 Shale Packer Tool Weight 1800
 Bottom Packer Depth 5929 Shale Packer Hole Size — 7 7/8" X Rubber Size — 6 3/4" X
 Total Depth 5940 Wt. Pipe Run X Drill Collar Run 355' 654DS
 Mud Wt. 9.0 LCM 2nd Vis. 65^W WL 6.8 Drill Pipe Size 4.5 X-0 Ft. Run 5577 844DS

Blow Description 1st opening Strong Blow B.O.B 1min G-TS 20min
1st Bl'd off Blow Test 5min. NO Blow Back
2nd opening, Very Strong Blow B.O.B 5min as gen Test.
1st Bl'd off 2" NO Blow Back.

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP
Rec. <u>10</u>	Feet Of <u>Big 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 129 °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 3300 ppm System

	AK-1	Alpine	PSI Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>2961</u>	<u>2917</u>	<u>2357</u>	<u>9:45am</u>
(B) First Initial Flow Pressure	<u>87</u>	<u>28</u>	(depth) <u>5931</u>	T-Started <u>11:45am</u>
(C) First Final Flow Pressure	<u>108</u>	<u>80</u>	PSI Recorder No. <u>10993</u>	T-Open <u>1:54pm</u>
(D) Initial Shut-In Pressure	<u>1993</u>	<u>1974</u>	(depth) <u>5936</u>	T-Pulled <u>7:24pm</u>
(E) Second Initial Flow Pressure	<u>108</u>	<u>30</u>	PSI Recorder No. _____	T-Out <u>10:15pm</u>
(F) Second Final Flow Pressure	<u>119</u>	<u>87</u>	(depth) _____	T-Off Location <u>11:30pm</u>
(G) Final Shut-in Pressure	<u>1950</u>	<u>1951</u>	PSI Initial Opening <u>30min</u>	Test <input checked="" type="checkbox"/> Conventional
(Q) Final Hydrostatic Mud	<u>2845</u>	<u>2873</u>	PSI Initial Shut-in <u>60min</u>	Jars <input checked="" type="checkbox"/>

Final Flow 100min Safety Joint
 Final Shut-in 120min Straddle _____
 Circ. Sub N/C
 Sampler _____
 Extra Packer 2.5 Hole
 Elec. Rec.
 Mileage 75.00
 Other Stand By 90.00
 TOTAL PRICE \$ 1715.00

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 : Raydon Exploration Co.
 WELL NAME: Cimarron #1-22
 LOCATION : 22-34-30 Meade co KS
 INTERVAL : 6230.00 To 6350.00 ft

DATE 11-16-00
 KB 2688.00 ft TICKET NO: 13123 DST #5
 GR 2677.00 ft FORMATION: Chester
 TD 6350.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10993	10993	2357			PF Fr. 1308 to 1338 hr
SI 60 Range(Psi)	4250.0	4250.0	4995.0	0.0	0.0	IS Fr. 1338 to 1438 hr
SF 35 Clock(hrs)	12HR.	12HR.	Elet.			SF Fr. 1438 to 1513 hr
FS 60 Depth(ft)	6348.0	6348.0	6234.0	0.0	0.0	FS Fr. 1513 to 1613 hr

	Field	1	2	3	4	
A. Init Hydro	3269.0	0.0	3228.0	0.0	0.0	T STARTED 1045 hr
B. First Flow	315.0	0.0	226.0	0.0	0.0	T ON BOTM 1306 hr
B1. Final Flow	369.0	0.0	740.0	0.0	0.0	T OPEN 1308 hr
C. In Shut-in	1779.0	0.0	1725.0	0.0	0.0	T PULLED 1613 hr
D. Init Flow	358.0	0.0	198.0	0.0	0.0	T OUT 1930 hr
E. Final Flow	413.0	0.0	656.0	0.0	0.0	
F. FI Shut-in	1296.0	0.0	1241.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	3057.0	0.0	3002.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 45000.00 lbs
						Wt Pulled Loose 145000.00 lbs
						Initial Str Wt 95000.00 lbs
						Unseated Str Wt 98000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.78 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 355.00 ft
						D.P. Length 5958.00 ft

RECOVERY

Tot Fluid 535.00 ft of 355.00 ft in DC and 180.00 ft in DP
 535.00 ft of Drilling mud
 0.00 ft of 100% mud
 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:
 Packer Failure tried again put 45000#
 Held. Had weak blow built to 2 1/2"
 Initial Shut-In:
 No blow back.
 Final Flow:
 Weak blow for 10 minutes. Packers
 seeped then held. Blow built to
 2 1/2".

SAMPLES:
 SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.00 lb/c
Vis.	52.00 S/L
W.L.	6.80 in3
F.C.	0.00 in
Mud Drop Y	250.0 ft
Amt. of fill	2.00 ft
Btm. H. Temp.	133.00 F
Hole Condition	Good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Mike Colantonio
Co. Rep.	Ed Grieves
Contr.	Big "A"
Rig #	#1
Unit #	
Pump T.	

Test Successful: Y

TEST HISTORY

13123 DST#5 Cimarron #1-22 Raydon Exploration Co.

Flag Points		
	t(Min.)	P(PSig)
A:	0.00	3228.70
B:	0.00	226.89
C:	91.50	1725.13
D:	1.00	198.21
E:	0.00	656.82
Q:	0.00	1241.17

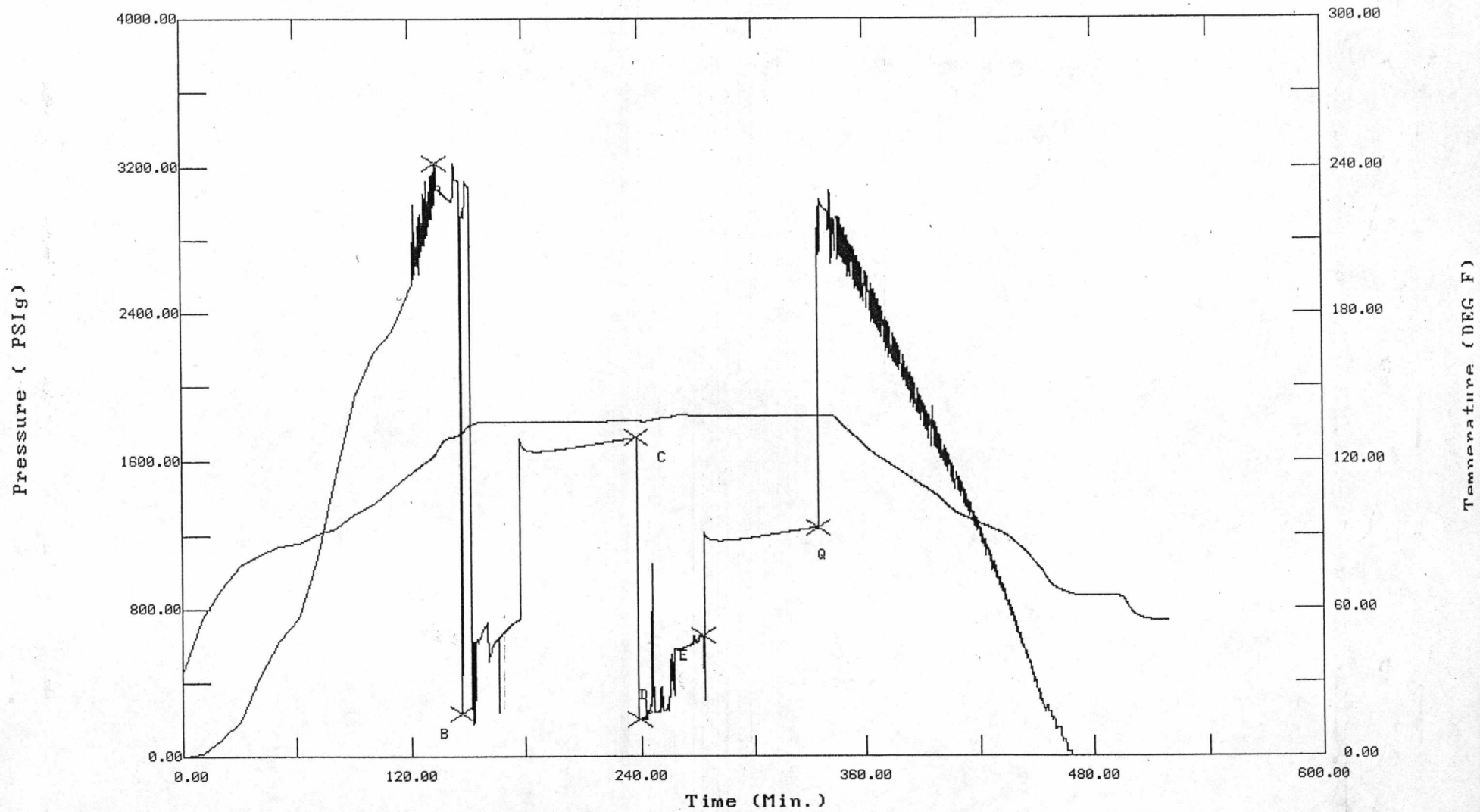
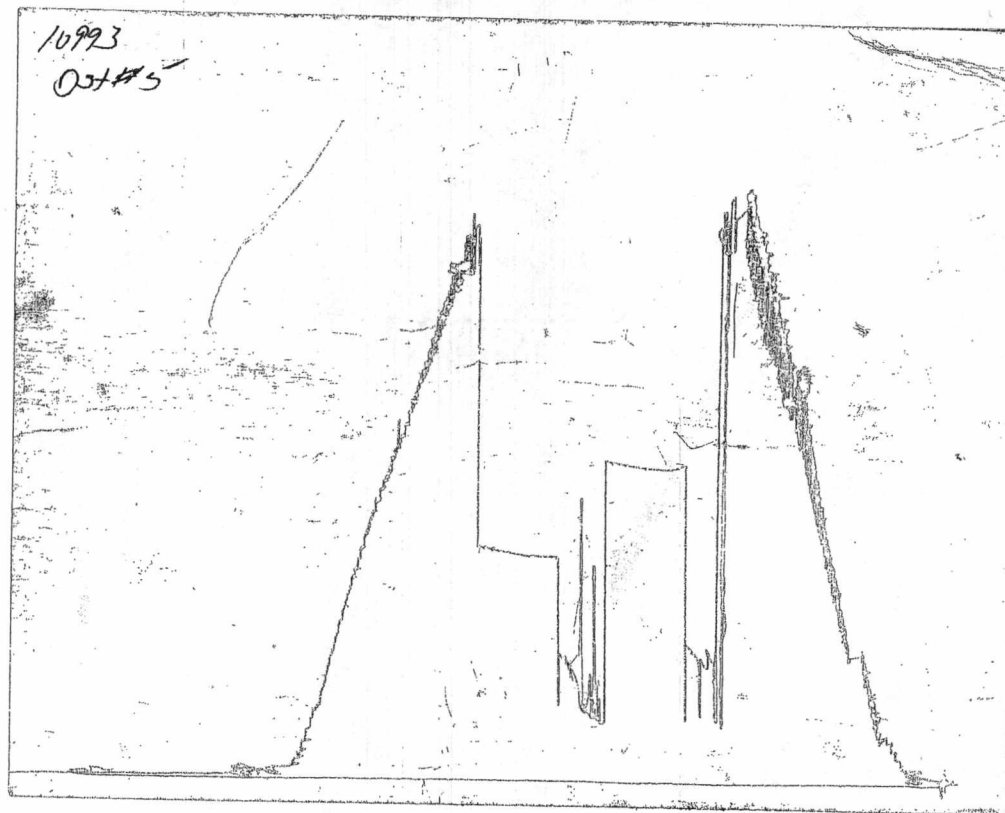


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

N^o 13123

Test Ticket

Well Name & No. Cimarron # 1-22 Test No. #5 Date 11-16-00
 Company Raydon Exploration Co. Zone Tested Chaster
 Address Oil City Oil. 73114 Elevation 2688 KB 2677 GL
 Co. Rep / Geo. ED. Grivas Cont. Big "A" Rig # 1 Est. Ft. of Pay Por. %
 Location: Sec. 22 Twp. 34 Rge. 30 Co. Meade State Ks.
 No. of Copies Distribution Sheet (Y, N) Turnkey (Y, N) Evaluation (Y, N)

Interval Tested 6230-6350 Initial Str Wt./Lbs. 95,000 Unseated Str Wt./Lbs. 98,000
 Anchor Length 120' Wt. Set Lbs. 45,000 Wt. Pulled Loose/Lbs. 140,000
 Top Packer Depth 6225 Tool Weight 2000
 Bottom Packer Depth 6230 Hole Size — 7 7/8" X Rubber Size — 6 3/4" X
 Total Depth 6350 Wt. Pipe Run X Drill Collar Run 355' 6010
 Mud Wt. 9.0 LCM 4" Vis. 52 WL 6.8 Drill Pipe Size 4.5 x 0 Ft. Run 5958 965425
 Blow Description 1st opening Packer failed tried again put 45,000 # Held Had weak
Blow Built to 2 1/2"
2nd. opening Weak Blow For 10min Packers seeped Then Held Blow Built to 2 1/2"

Recovery — Total Feet 535 GIP Ft. in DC 355 Ft. in DP 180
 Rec. 535 Feet Of Only mud %gas %oil %water 100% %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 °F Gravity °API D@ °F Corrected Gravity °API
 RW @ °F Chlorides ppm Recovery Chlorides 2800 ppm System

	AK-1	Alpine	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	3269	3228	2357	10:15AM
(B) First Initial Flow Pressure	315	226	(depth) 6234	T-Started 10:45AM
(C) First Final Flow Pressure	369	740	10993	T-Open 11:08AM
(D) Initial Shut-In Pressure	1779	1725	(depth) 6348	T-Pulled 4:13pm
(E) Second Initial Flow Pressure	358	198	Recorder No.	T-Out 7:30pm
(F) Second Final Flow Pressure	413	656	(depth)	T-Off Location
(G) Final Shut-in Pressure	1296	1241	Initial Opening 30min.	Test <input checked="" type="checkbox"/> Conventional
(Q) Final Hydrostatic Mud	3057	3002	Initial Shut-in 60min.	Jars <input checked="" type="checkbox"/>
			Final Flow 35min.	Safety Joint <input checked="" type="checkbox"/>
			Final Shut-in 60min.	Straddle <u> </u>
				Circ. Sub <input checked="" type="checkbox"/> N/C
				Sampler <u> </u>
				Extra Packer <input checked="" type="checkbox"/> 25th & 2nd
				Elec. Rec. <input checked="" type="checkbox"/>
				Mileage <input checked="" type="checkbox"/> 75.00
				Other <input checked="" type="checkbox"/> 25th & 2nd

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Approved By [Signature]

Our Representative [Signature]

TOTAL PRICE \$ 2275.00