

15-119-21025

30-34s-30w

Computer Inventoried

RELEASED

AUG 10 2001

FROM CONFIDENTIAL

WELL NAME:

COMPANY:

LOCATION:

DATE:

Holmes #1

Raydon Exploration

30-34s-30w

Meade co Kansas

6/16/00

RECEIVED

STATE CORPORATION OF KANSAS

AUG 14 2000

COMPTROLLER GENERAL

STATE OF KANSAS

TRILOBITE TESTING L.L.C.

OPERATOR : Raydon Exploration

DATE 6-8-00

WELL NAME: Holmes #1

KB 0.00 ft

TICKET NO: 12590 DST #1

LOCATION : 30-34s-30w Meade co KS

GR 0.00 ft

FORMATION: Toronto

INTERVAL : 4278.00 To 4330.00 ft

TD 4330.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13277	13277	3026			PF Fr. 1235 to 1305 hr
SI 60 Range(Psi)	4125.0	4125.0	4995.0	0.0	0.0	IS Fr. 1305 to 1405 hr
SF 60 Clock(hrs)	18hr	18hr	elect			SF Fr. 1405 to 1505 hr
FS 120 Depth(ft)	4330.0	4330.0	4285.0	0.0	0.0	FS Fr. 1505 to 1705 hr

	Field	1	2	3	4	
A. Init Hydro	2101.0	2099.0	2008.0	0.0	0.0	T STARTED 1030 hr
B. First Flow	194.0	191.0	130.0	0.0	0.0	T ON BOTM 1234 hr
31. Final Flow	162.0	156.0	103.0	0.0	0.0	T OPEN 1235 hr
C. In Shut-in	681.0	693.0	669.0	0.0	0.0	T PULLED 1705 hr
D. Init Flow	194.0	198.0	115.0	0.0	0.0	T OUT 1930 hr
E. Final Flow	216.0	220.0	170.0	0.0	0.0	
F. Fl Shut-in	722.0	720.0	688.0	0.0	0.0	TOOL DATA-----
3. Final Hydro	2070.0	2070.0	1993.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	O	O	I			Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 98000.00 lbs
						Initial Str Wt 76000.00 lbs
						Unseated Str Wt 78000.00 lbs
						Bot Choke 0.78 in
						Hole Size 7.78 in
						D Col. ID 2.25 in
						D. Pipe ID 3.38 in
						D.C. Length 358.00 ft
						D.P. Length 3918.00 ft

RECOVERY

Pot Fluid 500.00 ft of 353.00 ft in DC and 147.00 ft in DP
 180.00 ft of Gas cut mud
 1.00 ft of 10% gas 90% mud
 240.00 ft of Gassy Oil cut watery mud
 1.00 ft of 20% gas 5% oil 45% water 30% mud
 30.00 ft of Oil cut muddy water
 1.00 ft of 5% oil 75% water 20% mud
 1.00 ft of
 1.00 ft of
 SALINITY 44000.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----

Mud Type	Chemical
Weight	9.00 lb/cf
Vis.	37.00 S/L
W.L.	12.00 in3
F.C.	0.00 in
Mud Drop	

BLOW DESCRIPTION

Initial Flow:
 Strong blow bottom of bucket in 30 seconds. Gas to surface in 4 minutes.
 Initial Shut-In:
 Bled 2" no blow back.
 Final Flow:
 Bottom of bucket as soon as tool opened.
 Final Shut-In:
 Bled 2" no blow back.

Amt. of fill	0.00 ft
Btm. H. Temp.	115.00 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	Scott Bugbee
Co. Rep.	Ed Grieves
Contr.	Big A
Rig #	1
Unit #	
Pump T.	

SAMPLES: Yes

SENT TO: Caraway Analytical

Test Successful: Y

GAS RECOVERY -----

COMPANY: Raydon Exploration

DATE: 6-8-00

WELL NAME: Holmes #1

KB Elev: 0.00

ft TICKET #12590

DST #1

WELL LOCATION: 30-34s-30w Meade co KS

GR Elev: 0.00

ft FORMATION: Toronto

INTERVAL Fr.: 4278.00 To 4330.00 T.D.: 4330.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH Merla

***** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	0.75	8	0	227000.0
10	0.75	8	0	227000.0
15	0.75	7	0	211000.0
20	0.75	5	0	175000.0
25	0.75	3	0	133000.0
30	0.75	2	0	108000.0

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	0.38	2	0	27000.0
10	0.38	2	0	27000.0
20	0.38	2	0	31400.0
30	0.38	2	0	31400.0
40	0.38	2	0	27000.0
50	0.38	2	0	27000.0
60	0.38	2	0	27000.0

TEST HISTORY

12590 DST#1 Holmes #1 Raydon Exploration

Flag Points

t(min.)	P(PSig)
A1	0.00 2008.82
B1	0.00 130.70
C1	25.00 103.46
D1	60.00 669.94
E1	0.00 115.76
F1	58.75 170.06
G1	119.75 688.38
H1	0.00 1993.76

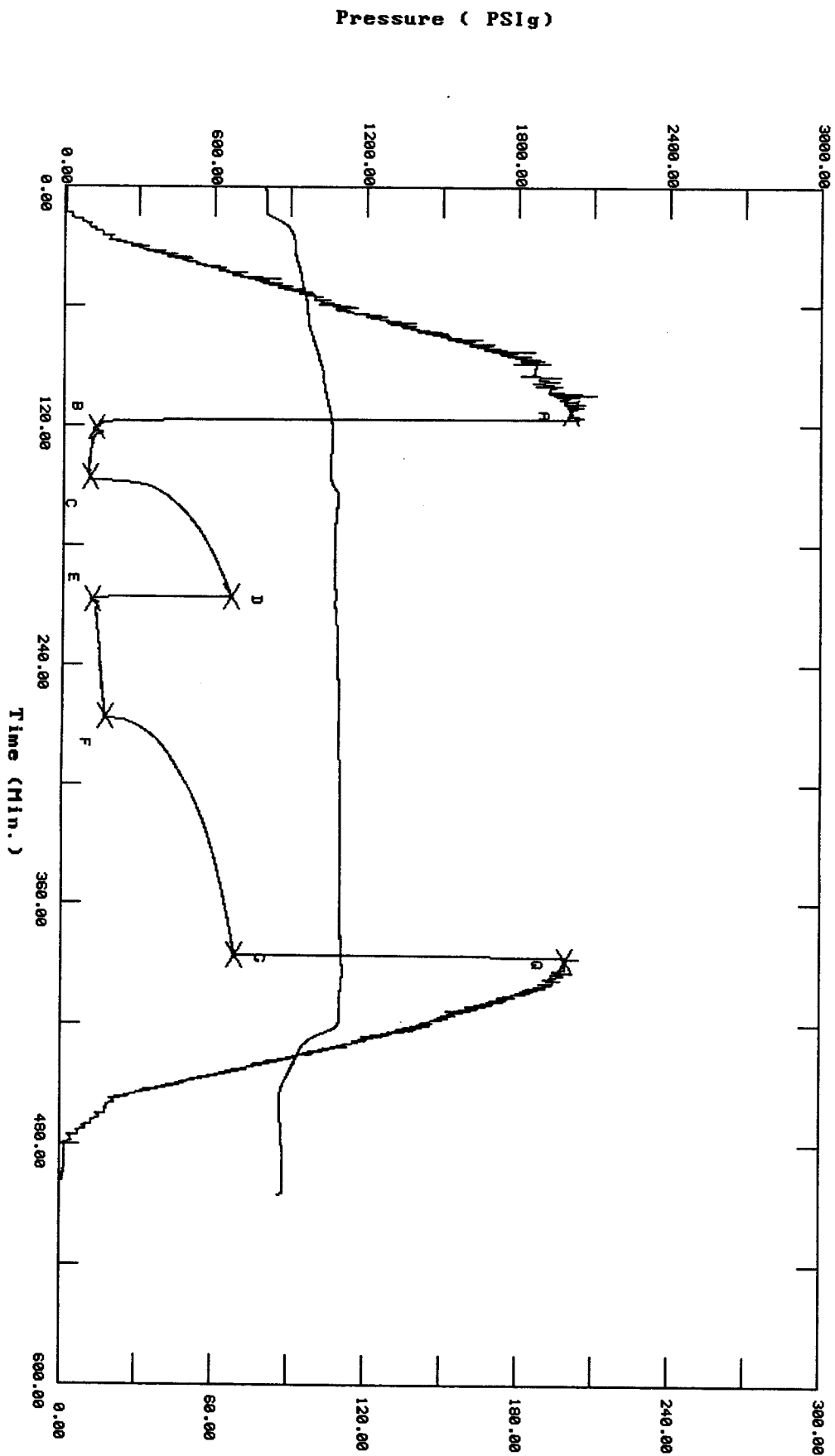
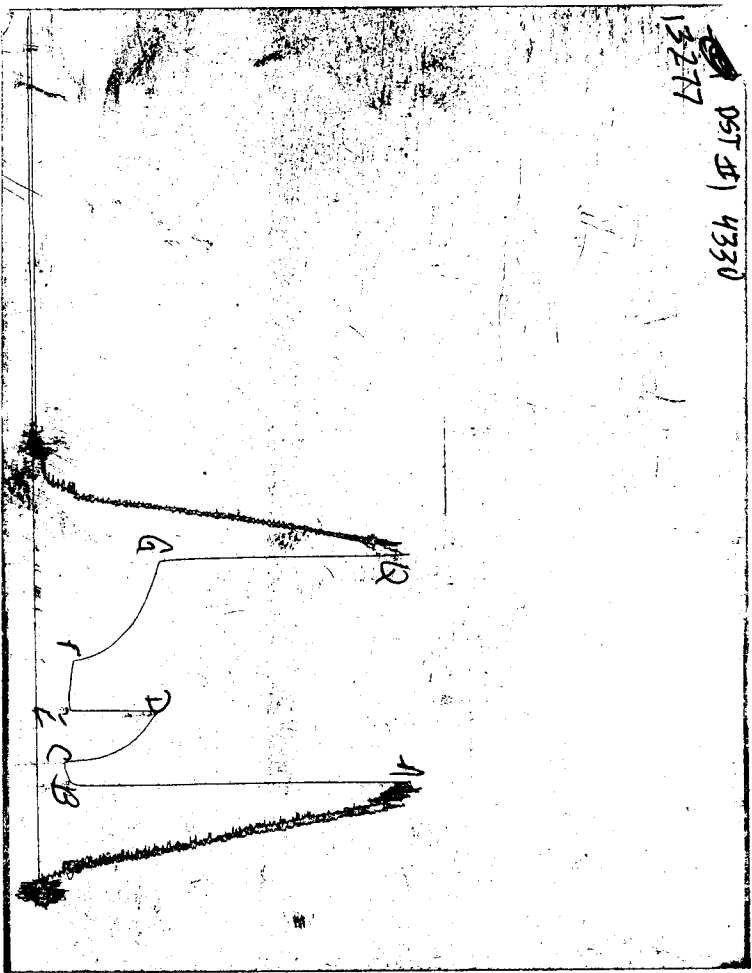


CHART PAGE



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

26167e

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test TicketN^o 12590

Well Name & No. <u>Holmes #1</u>	Test No. <u>#1</u>	Date <u>6-8-00</u>
Company <u>Randon Exploration</u>	Zone Tested <u>Toronto</u>	
Address <u>9400 N. Blaisy Ste. 400 OKla. City OK. 73114</u>	Elevation _____	KB _____ GL _____
Co. Rep / Geo. <u>Ed Grieves</u>	Cont. <u>Brg A Rig 1</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>30</u>	Twp. <u>34S</u>	Rge. <u>34W</u>
	Co. <u>Meade</u>	State <u>Ks.</u>
No. of Copies _____	Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____
	Evaluation (Y, N) _____	

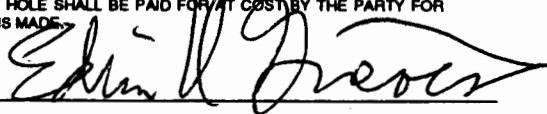
Interval Tested 4278-4330 Initial Str Wt./Lbs. 76,000 Unseated Str Wt./Lbs. 78,000
 Anchor Length 52 Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 98,000
 Top Packer Depth 4273 Tool Weight 1800
 Bottom Packer Depth 4278 Hole Size — 7 7/8" ☒ Rubber Size — 6 3/4" ☒
 Total Depth 4330 Wt. Pipe Run _____ Drill Collar Run 353 6 S/ds
 Mud Wt. 9.0 LCM 4 Vis. 37 WL 12 Drill Pipe Size 4 1/2 XH Ft. Run 3978 12 + 1
 Blow Description 1st open strong blow B.O.B. in 30 sec. GTS in 4 min.
Bled 2" no blow back
2nd open B.O.B. as soon as tool opened
Bled 2" no blow back

Recovery — Total Feet 500 GIP GTS Ft. in DC 353 Ft. in DP 147
 Rec. 180 Feet Of Gas cut Mud 10 %gas %oil %water 90 %mud
 Rec. 240 Feet Of Gassy oil cut watery mud 20 %gas 5 %oil 45 %water 30 %mud
 Rec. 50 Feet Of oil cut muddy water %gas 5 %oil 75 %water 20 %mud
 Rec. _____ Feet Of _____ %gas %oil %water %mud
 Rec. _____ Feet Of _____ %gas %oil %water %mud
 BHT 115 °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API
 RW .15 @ 80 °F Chlorides 44,000 ppm Recovery Chlorides _____ ppm System

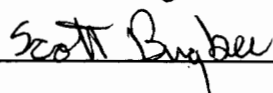
	AK-1	Alpine		
(A) Initial Hydrostatic Mud	<u>2101</u>	<u>2008</u>	PSI Recorder No. <u>3026</u>	T-On Location <u>9:00 A.M.</u>
(B) First Initial Flow Pressure	<u>194</u>	<u>130</u>	PSI (depth) <u>4285</u>	T-Started <u>10:30 A.M.</u>
(C) First Final Flow Pressure	<u>162</u>	<u>103</u>	PSI Recorder No. <u>13277</u>	T-Open <u>12:35 P.M.</u>
(D) Initial Shut-In Pressure	<u>681</u>	<u>619</u>	PSI (depth) <u>4330</u>	T-Pulled <u>5:05 P.M.</u>
(E) Second Initial Flow Pressure	<u>194</u>	<u>115</u>	PSI Recorder No. _____	T-Out <u>7:30 P.M.</u>
(F) Second Final Flow Pressure	<u>216</u>	<u>170</u>	PSI (depth) _____	T-Off Location _____
(G) Final Shut-in Pressure	<u>722</u>	<u>688</u>	PSI Initial Opening <u>30</u>	Test ☒ <u>700</u> ^{cc}
(Q) Final Hydrostatic Mud	<u>2070</u>	<u>1993</u>	PSI Initial Shut-in <u>60</u>	Jars ☒ <u>200</u> ^{cc}
			Final Flow <u>60</u>	Safety Joint ☒ <u>50</u> ^{cc}
			Final Shut-in <u>120</u>	Straddle _____
				Circ. Sub ☒ _____
				Sampler _____
				Extra Packer _____
				Elec. Rec. ☒ <u>150</u> ^{cc}
				Mileage _____
				Other <u>Shale packer 150</u> ^{cc}
				TOTAL PRICE \$ <u>1250</u> ^{cc}

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



Our Representative



A detailed black and white line drawing of a trilobite fossil, showing its segmented body, head, and tail. The drawing is oriented vertically, with the head at the top and the tail at the bottom. The body is divided into three main sections: the head (cephalon), the thorax (middle section), and the pygidium (tail). The thorax is composed of many segments, each with a central spine and lateral spines. The head is large and rounded, with a prominent eye. The tail is small and pointed. The drawing is a high-contrast, black-and-white illustration, typical of scientific publications.

P.O. Box 362 • Hays, Kansas 67801 • (913) 625-4778

Raydon Exploration
OPERATOR

OPERATOR

Holmes #1

WELL NAME AND NO.

DST NO.

Remarks:

2667g

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:	20003308	Analyzed:	06/12/00
Sample From:	Holmes #1 DST 1	Pressure:	
Producer:	Raydon Exploration	Temperature:	
Date:		Location:	30-34-30
Time:		County:	Meade
Sampler:		State:	Kansas
Source:		Formation:	Toronto

	Mole %	GPM
Helium	He: 0.346	0.000
Hydrogen	H2: 0.000	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 18.504	0.000
Carbon Dioxide	CO2: 0.134	0.000
Methane	C1: 65.924	0.000
Ethane	C2: 5.818	1.556
Propane	C3: 4.847	1.336
Iso Butane	iC4: 0.697	0.228
Normal Butane	nC4: 1.784	0.562
Iso Pentane	iC5: 0.452	0.165
Normal Pentane	nC5: 0.533	0.193
Hexanes Plus	C6+: 0.961	0.419

TOTAL: 100.000 4.460
Z Fact: 0.9972
SP.GR.: 0.7886
BTU (SAT): 1047.3 @ 14.73 psia
BTU (DRY): 1065.8 @ 14.73 psia
OCTANE RATING: 99.5

COMMENTS:

0.000

26167h

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Holmes #1

LOCATION : 30-34s-30w Meade co KS

TICKET No. 12590 D.S.T. No. 1 DATE 6-8-00

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 52

TOTAL TOOL 79

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 358

D.P. ABOVE TOOLS.Stands62 Single 1 Total 3918

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4355

TOTAL DEPTH 4330

TOTAL DRILL PIPE ABOVE K.B. 25

REMARKS:

RW .15 at 80 deg.

14000 chlorides

P.O. SUB top of tool	4251
C.O. SUB 1' DP	4252
S.I. TOOL 5'	4257
HMV 5'	4262
JARS 5'	4267
SAFETY JOINT 2'	4269
PACKER 5'	4274
PACKER 5' Shale Packer	4278
DEPTH 4278	
1'	4279
ANCHOR	
1' perf	4280
Alpine Rec.	4285
5' Pu sub	4285
8' perf	4293
1' c/o su	4294
30' Dpipe	4324
1' c/o su	4325
Ak1 Rec	4330
BULLNOSE	
T.D. 5'	4330

261671

TRILOBITE TESTING L.L.C.

OPERATOR : Raydon Exploration

DATE 6-9-00

WELL NAME: Holmes #1

KB 0.00 ft

TICKET NO: 12591 DST #2

LOCATION : 30-34s-30w Meade co KS

GR 0.00 ft

FORMATION: Lansing

INTERVAL : 4437.00 To 4460.00 ft

TD 4460.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13277	13277	3026			PF Fr. 1440 to 1510 hr
SI 60 Range(Psi)	4125.0	4125.0	4995.0	0.0	0.0	IS Fr. 1510 to 1610 hr
SF 60 Clock(hrs)	18hr	18hr	elect			SF Fr. 1610 to 1710 hr
FS 120 Depth(ft)	4460.0	4460.0	4445.0	0.0	0.0	FS Fr. 1710 to 1910 hr

	Field	1	2	3	4	
A. Init Hydro	2132.0	2112.0	2079.0	0.0	0.0	T STARTED 1220 hr
B. First Flow	64.0	69.0	50.0	0.0	0.0	T ON BOTM 1439 hr
B1. Final Flow	86.0	79.0	93.0	0.0	0.0	T OPEN 1440 hr
C. In Shut-in	1019.0	1026.0	1049.0	0.0	0.0	T PULLED 1910 hr
D. Init Flow	108.0	117.0	90.0	0.0	0.0	T OUT 2120 hr
E. Final Flow	172.0	165.0	171.0	0.0	0.0	
F. Fl Shut-in	1019.0	1026.0	1033.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2018.0	2013.0	2059.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 120000.00 lbs
						Initial Str Wt 80000.00 lbs
						Unseated Str Wt 82000.00 lbs
						Bot Choke 0.78 in
						Hole Size 7.78 in
						D Col. ID 2.25 in
						D. Pipe ID 3.38 in
						D.C. Length 353.00 ft
						D.P. Length 4082.00 ft

RECOVERY

Pot Fluid 420.00 ft of 353.00 ft in DC and 67.00 ft in DP

10.00 ft of Gas cut muddy oil

0.00 ft of 10% gas 50% oil 40% mud

180.00 ft of Gassy oily watery mud

0.00 ft of 50% gas 20% oil 5% water 25% mud

50.00 ft of Gas & oil cut muddy water

0.00 ft of 10% gas 5% oil 60% water 25% mud

170.00 ft of Water

0.00 ft of 100% water

SALINITY 75000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:

Strong blow bottom of bucket in 1 minute. Gradually died back to 10".

Initial Shut-In:

Bled 2" no blow back.

Final Flow:

Bottom of bucket in 1 minute. Strong gas to surface in 5 minutes. Gas will burn.

Final Shut-In:

Bled 2" blow back built to 10".

SAMPLES: yes

SENT TO: Caraway Analytical

MUD DATA-----

Mud Type	Chemical
Weight	8.90 lb/cf
Vis.	46.00 S/L
W.L.	8.40 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	120.00 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 Scott Bugbee

Co. Rep. Ed Grieves

Contr. Big A

Rig # 1

Unit #

Pump T.

Test Successful: Y

26167j

GAS RECOVERY

COMPANY: Raydon Exploration

DATE: 6-9-00

WELL NAME: Holmes #1

KB Elev: 0.00 ft TICKET #12591 DST #2

WELL LOCATION: 30-34s-30w Meade co KS

GR Elev: 0.00 ft FORMATION: Lansing

INTERVAL Fr.: 4437.00 To 4460.00 T.D.: 4460.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH Merla

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	0.25	0	26	8560.0
20	0.25	0	14	6330.0
25	0.25	0	10	5320.0
30	0.25	0	10	5320.0
40	0.25	0	10	5320.0
50	0.25	0	4	4450.0

26167k

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Holmes #1

LOCATION : 30-34s-30w Meade co KS

TICKET No. 12591 D.S.T. No. 2 DATE 6-9-00

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 23

TOTAL TOOL 50

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 353

D.P. ABOVE TOOLS.Stands Single Total 4082

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4485

TOTAL DEPTH 4460

TOTAL DRILL PIPE ABOVE K.B. 25

REMARKS:

RW .11 at 75 Deg.

75000 chlorides

P.O. SUB top of tool	4410
C.O. SUB 1' DP	4411
S.I. TOOL 5'	4416
HMV 5'	4421
JARS 5'	4426
SAFETY JOINT 2'	4428
PACKER 5'	4433
PACKER 5' shale packer	4437
DEPTH 4437	
1'	4438
ANCHOR	
2' perf	4440
Alpine Rec.	4445
5' PU sub	4445
10' perf	4455
AK1 Rec.	4460
BULLNOSE	
T.D. 5'	4460

261671

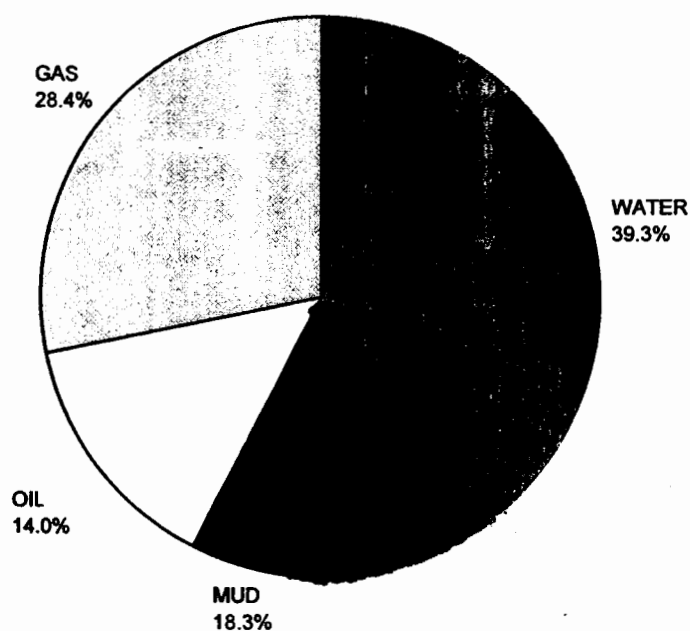
CALCULATED RECOVERY ANALYSIS

DST 2

TICKET 12591

SAMPLE #		TOTAL FEET	GAS %	FEET	OIL %	FEET	WATER %	FEET	MUD %	FEET
DRILL	1	10	10	1	50	5	0	0	40	4
PIPE	2	57	50	28.5	20	11.4	5	0	25	14.25
	3	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0
	6	0	0	0	0	0	0	0	0	0
WEIGHT	1	0	0	0	0	0	0	0	0	0
PIPE	2	0	0	0	0	0	0	0	0	0
	3	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0
DRILL	1	123	50	61.5	20	24.6	5	6.15	25	30.75
COLLARS	2	60	10	6	5	3	60	36	25	15
	3	170	0	0	0	0	100	170	0	0
	4	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0
TOTAL		420	0	97	0	44	0	212.15	0	64

BBL OIL=	0.368172	*	HRS OPEN	=	BBL/DAY
BBL WATER=	1.0374135	*	1.5	=	5.890752
BBL MUD=	0.4832325			=	16.598616
BBL GAS =	0.749565				



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:	20003309	Analyzed:	06/12/00
Sample From:	Holmes #1 DST 2	Pressure:	
Producer:	Raydon Exploration	Temperature:	
Date:		Location:	30-34-30
Time:		County:	Meade
Sampler:		State:	Kansas
Source:		Formation:	Lansing

	Mole %	GPM
Helium	He: 0.051	0.000
Hydrogen	H2: 0.002	0.000
Oxygen	O2: 0.256	0.000
Nitrogen	N2: 8.110	0.000
Carbon Dioxide	CO2: 0.072	0.000
Methane	C1: 56.804	0.000
Ethane	C2: 10.593	2.833
Propane	C3: 13.396	3.691
Iso Butane	iC4: 1.976	0.646
Normal Butane	nC4: 4.911	1.548
Iso Pentane	iC5: 1.142	0.418
Normal Pentane	nC5: 1.186	0.430
Hexanes Plus	C6+: 1.501	0.655

TOTAL: 100.000 10.221
Z Fact: 0.9942
SP.GR.: 0.9615
BTU (SAT): 1478.9 @ 14.73 psia
BTU (DRY): 1505.0 @ 14.73 psia
OCTANE RATING: 106.1

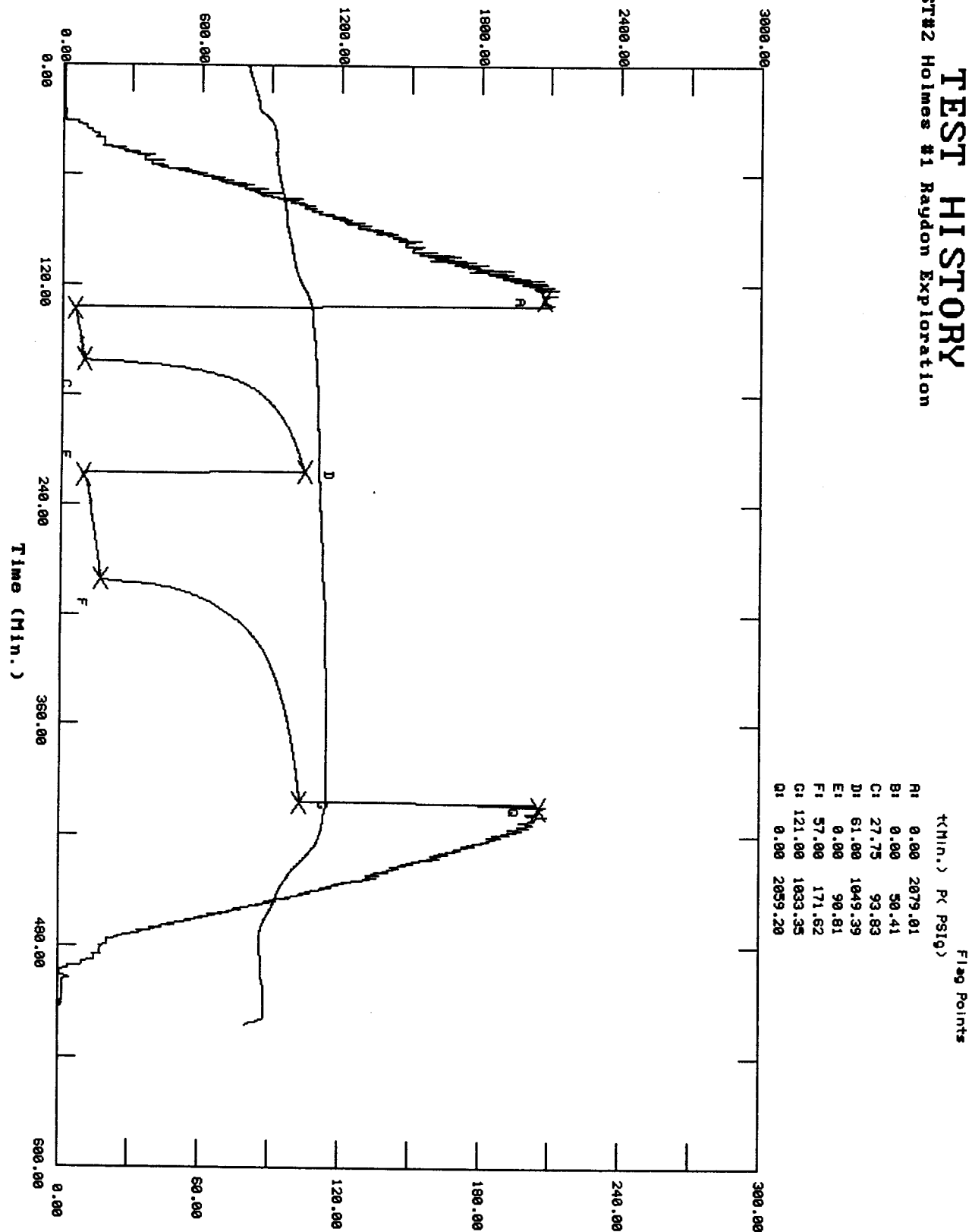
COMMENTS:

0.256

26167h

TEST HISTORY

12591 DST#2 Holmes #1 Raydon Exploration



Temperature (DEG F)

Pressure (PSig)

Time (Min.)

A detailed black and white illustration of a trilobite fossil, showing its segmented body, head, and tail.

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

Raydon Exploration

OPERATOR

Holmes #1

WELL NAME AND NO.

#2

DST NO

Remarks:

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

N^o 12591

Well Name & No. <u>Holmes #1</u>	Test No. <u>#2</u>	Date <u>6-9-00</u>
Company <u>Raydon Exploration</u>	Zone Tested <u>Lansing</u>	
Address <u>Okla City OK. 73114</u>	Elevation _____	KB _____ GL _____
Co. Rep / Geo. <u>Ed Grieres</u>	Cont. <u>Big A #1</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>30</u> Twp. <u>34S</u> Rge. <u>30W</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>4437 - 4460</u>	Initial Str Wt/Lbs. <u>80,000</u>	Unseated Str Wt/Lbs. <u>82,000</u>
Anchor Length <u>23'</u>	Wt. Set Lbs. <u>30,000</u>	Wt. Pulled Loose/Lbs. <u>120,000</u>
Top Packer Depth <u>4432</u>	Tool Weight <u>1800</u>	
Bottom Packer Depth <u>4437</u>	Hole Size — 7 7/8" ☒	Rubber Size — 6 3/4" ☒
Total Depth <u>4460</u>	Wt. Pipe Run _____	Drill Collar Run <u>353</u> ⁶⁵⁴
Mud Wt. <u>8.9</u> LCM <u>3</u> Vis. <u>46</u> WL <u>8.4</u>	Drill Pipe Size <u>4 1/2 X H</u>	Ft. Run <u>4082</u> ¹⁶⁵⁴

Blow Description 1st open strong blow B.O.B. in 1 min. Gradually died back to 10"
Bled 2" Blow back
2nd open B.O.B. in 1 min. Strong GTS in 5 min. Gas well burn
Bled 2" Blow back built to 10"

Recovery — Total Feet <u>4120</u>	GIP <u>GTS</u>	Ft. in DC <u>353</u>	Ft. in DP <u>67</u>
Rec. <u>10</u>	Feet Of <u>Gas cut muddy oil</u>	10% gas 50% oil	%water 40% mud
Rec. <u>180</u>	Feet Of <u>Gassy oily watery mud</u>	50% gas 20% oil	5 %water 25% mud
Rec. <u>60</u>	Feet Of <u>Gas cut oil cut muddy wt.</u>	10% gas 5 %oil	60 %water 25% mud
Rec. <u>170</u>	Feet Of <u>Water</u>	%gas %oil 100	%water 100 %mud
Rec. _____	Feet Of _____	%gas %oil	%water %mud

BHT _____ °F Gravity _____ °API D₄₀ _____ °F Corrected Gravity _____ °API
 RW 11 @ 75 °F Chlorides 75,000 ppm Recovery Chlorides _____ ppm System

(A) Initial Hydrostatic Mud	AK-1 <u>2132</u>	Alpine <u>2079</u>	PSI Recorder No. <u>3026</u>	T-On Location <u>11:45 A.M.</u>
(B) First Initial Flow Pressure	<u>64</u>	<u>50</u>	PSI (depth) <u>4445</u>	T-Started <u>12:20 P.M.</u>
(C) First Final Flow Pressure	<u>86</u>	<u>93</u>	PSI Recorder No. <u>13277</u>	T-Open <u>2:40 P.M.</u>
(D) Initial Shut-In Pressure	<u>1019</u>	<u>1049</u>	PSI (depth) <u>4460</u>	T-Pulled <u>7:10 P.M.</u>
(E) Second Initial Flow Pressure	<u>908</u>	<u>90</u>	PSI Recorder No. _____	T-Out <u>9:20 P.M.</u>
(F) Second Final Flow Pressure	<u>172</u>	<u>171</u>	PSI (depth) _____	T-Off Location _____
(G) Final Shut-in Pressure	<u>1019</u>	<u>1033</u>	PSI Initial Opening <u>30</u>	Test ☒ <u>700</u> ²²
(Q) Final Hydrostatic Mud	<u>2018</u>	<u>2039</u>	PSI Initial Shut-in <u>60</u>	Jars ☒ <u>50</u> ²²
			Final Flow <u>60</u>	Safety Joint ☒ <u>50</u> ²²
			Final Shut-in <u>120</u>	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 Edwin K. Grieres
 Our Representative Scott Baghee

Circ. Sub ☒ 17C
 Sampler _____
 Extra Packer _____
 Elec. Rec. ☒ 150 ²²
 Mileage _____
 Other Shale packer 150 ²²
 TOTAL PRICE \$ 1250 ²²

TRILOBITE TESTING L.L.C.

OPERATOR : Raydon Exploration

DATE 6-11-00

WELL NAME: Holmes #1

KB 0.00 ft

TICKET NO: 12592 DST #3

LOCATION : 30-34s-30w Meade co KS

GR 0.00 ft

FORMATION: Upper Hodges

INTERVAL : 4915.00 To 4960.00 ft

TD 4960.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13277	13277	3026			PF Fr. 1212 to 1242 hr
SI 60 Range(Psi)	4125.0	4125.0	4995.0	0.0	0.0	IS Fr. 1242 to 1342 hr
SF 60 Clock(hrs)	18hr	18hr	elect			SF Fr. 1342 to 1442 hr
FS 120 Depth(ft)	4960.0	4960.0	4925.0	0.0	0.0	FS Fr. 1442 to 1642 hr

	Field	1	2	3	4	
A. Init Hydro	2391.0	2446.0	2315.0	0.0	0.0	T STARTED 1020 hr
B. First Flow	86.0	91.0	26.0	0.0	0.0	T ON BOTM 1211 hr
B1. Final Flow	140.0	148.0	127.0	0.0	0.0	T OPEN 1212 hr
C. In Shut-in	1592.0	1584.0	1561.0	0.0	0.0	T PULLED 1642 hr
D. Init Flow	194.0	208.0	133.0	0.0	0.0	T OUT 1920 hr
E. Final Flow	270.0	269.0	234.0	0.0	0.0	
F. Fl Shut-in	1582.0	1581.0	1561.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2194.0	2203.0	2236.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	O	O	I			Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 110000.00 lbs
						Initial Str Wt 86000.00 lbs
						Unseated Str Wt 86000.00 lbs
						Bot Choke 0.78 in
						Hole Size 7.78 in
						D Col. ID 2.25 in
						D. Pipe ID 3.38 in
						D.C. Length 353.00 ft
						D.P. Length 4547.00 ft

RECOVERY

Tot Fluid 440.00 ft of 353.00 ft in DC and 87.00 ft in DP

90.00 ft of Mud

0.00 ft of 100% mud

240.00 ft of Muddy water

0.00 ft of 70% water 30% mud

110.00 ft of Water

0.00 ft of 100% water

0.00 ft of

0.00 ft of

SALINITY 75000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:

Weak blow built to 4 1/2".

Initial Shut-In:

Bled 2" no blow back.

Final Flow:

Weak blow built to 2"

Final Shut-In:

No blow back.

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	8.90 lb/cf
Vis.	42.00 S/L
W.L.	8.00 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	120.00 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	Scott Bugbee
Co. Rep.	Ed Grieves
Contr.	Big A
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

261686

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Holmes #1

LOCATION : 30-34s-30w Meade co KS

TICKET No. 12592 D.S.T. No. 3 DATE 6-11-00

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 45

TOTAL TOOL 72

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 353

D.P. ABOVE TOOLS.Stands73 Single 1 Total 4547

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4972

TOTAL DEPTH 4960

TOTAL DRILL PIPE ABOVE K.B. 12

REMARKS:

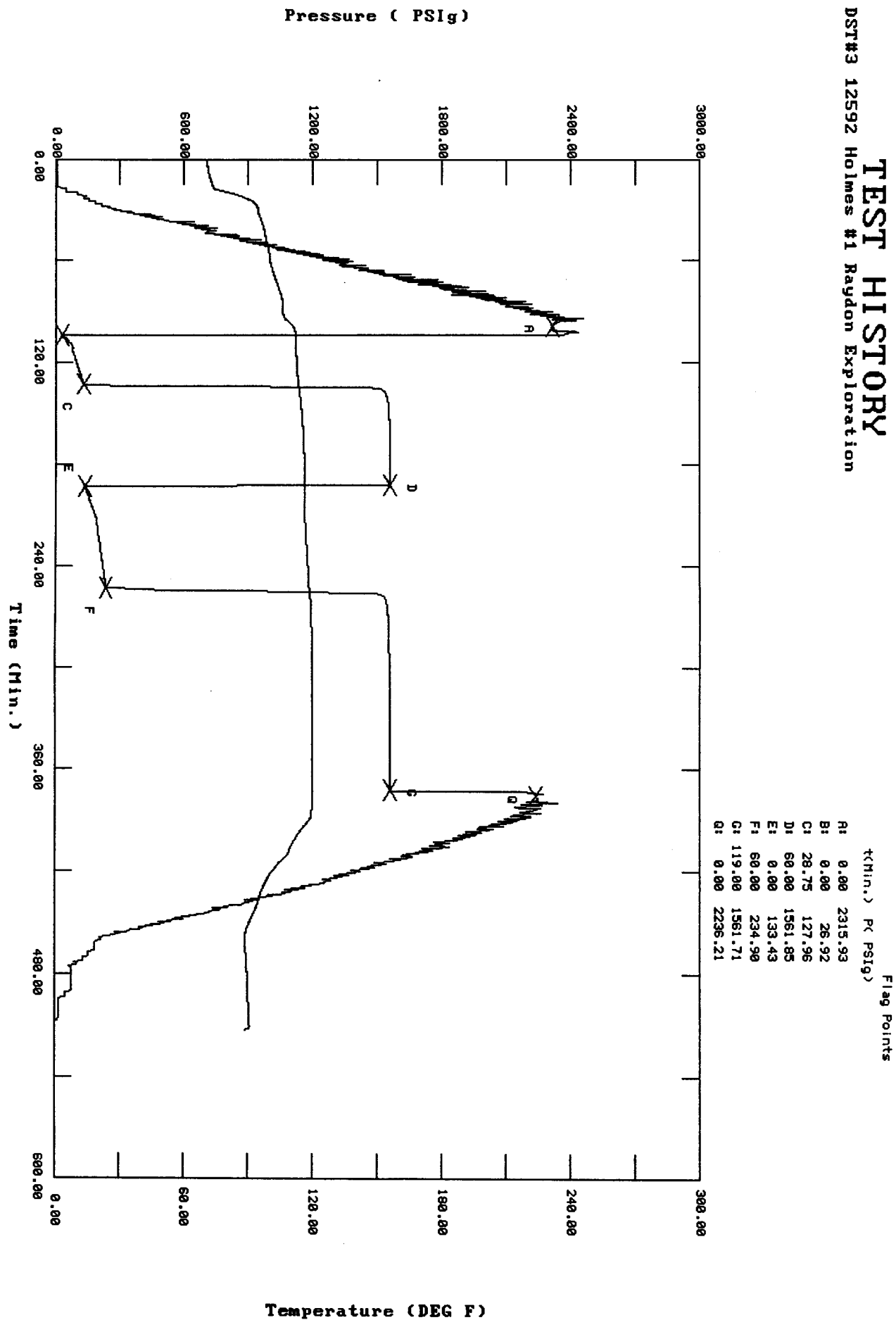
RW .10 at 75 deg.

75000 chlorides

P.O. SUB top of tool	4888
C.O. SUB 1' DP	4889
S.I. TOOL 5'	4894
HMV 5'	4899
JARS 5'	4904
SAFETY JOINT 2'	4906
PACKER 5'	4911
PACKER 5' Shale Packer	4915
DEPTH 4915	
1'	4916
ANCHOR	
4' perf	4920
Alpine Rec.	4925
5' PU sub	4925
30' perf	4955
AK1 Rec.	4960
BULLNOSE	
T.D. 5'	4960

TEST HISTORY

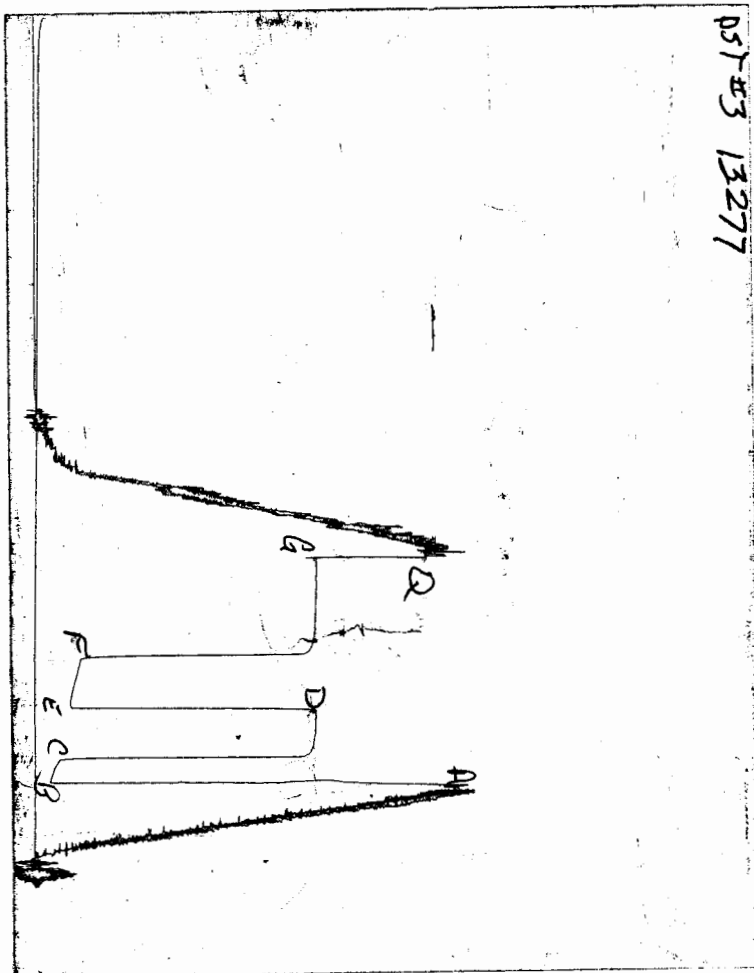
DST#3 12592 Holmes #1 Raydon Exploration



26168d

CHART PAGE

PSY 43 13277



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 12592

Well Name & No. <u>Holmes #1</u>	Test No. <u>3</u>	Date <u>6-11-60</u>
Company <u>Randon Exploration</u>	Zone Tested <u>Upper Hodges</u>	
Address <u>Okla. City Ok. 73114</u>	Elevation _____	KB _____ GL _____
Co. Rep / Geo. <u>Ed Groves</u>	Cont. <u>Big A. 1</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>30</u> Twp. <u>34S</u> Rge. <u>30W</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>4915 - 4960</u>	Initial Str Wt./Lbs. <u>86,000</u>	Unseated Str Wt./Lbs. <u>86,000</u>
Anchor Length <u>45'</u>	Wt. Set Lbs. <u>30,000</u>	Wt. Pulled Loose/Lbs. <u>110,000</u>
Top Packer Depth <u>4910</u>	Tool Weight <u>1800</u>	
Bottom Packer Depth <u>4915</u>	Hole Size — 7 7/8" ☒	Rubber Size — 6 3/4" ☒
Total Depth <u>4960</u>	Wt. Pipe Run _____	Drill Collar Run <u>353</u> ^{later}
Mud Wt. <u>8.9</u> LCM <u>3</u> Vis. <u>42</u> WL <u>8'</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>4547</u> ^{73 ft}
Blow Description <u>1st open weak blow built to 4 1/2"</u> <u>bled 2" no blow back</u> <u>2nd open weak blow built to 2"</u> <u>no blow back</u>		

Recovery — Total Feet <u>440</u>	GIP _____	Ft. in DC <u>353</u>	Ft. in DP <u>87</u>
Rec. <u>90</u>	Feet Of <u>mud</u>	%gas _____ %oil _____ %water <u>100</u> %mud _____	
Rec. <u>240</u>	Feet Of <u>muddy water</u>	%gas _____ %oil _____ %water <u>70</u> %mud <u>30</u>	
Rec. <u>110</u>	Feet Of <u>water</u>	%gas _____ %oil _____ %water <u>100</u> %mud _____	
Rec. _____	Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____	Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	
BHT <u>120</u>	°F Gravity _____	°API D@ _____	°F Corrected Gravity _____ °API _____
RW <u>.10</u>	@ <u>24</u>	°F Chlorides <u>25,000</u> ppm Recovery	Chlorides <u>3100</u> ppm System

(A) Initial Hydrostatic Mud	AK-1 <u>2391</u>	Alpine <u>2315</u>	PSI Recorder No. <u>3026</u>	T-On Location <u>9:15 AM.</u>
(B) First Initial Flow Pressure	<u>86</u>	<u>26</u>	PSI (depth) <u>4925</u>	T-Started <u>10:20 AM.</u>
(C) First Final Flow Pressure	<u>140</u>	<u>127</u>	PSI Recorder No. <u>13277</u>	T-Open <u>12:12 PM</u>
(D) Initial Shut-In Pressure	<u>1592</u>	<u>1561</u>	PSI (depth) <u>4960</u>	T-Pulled <u>4:42 P.M.</u>
(E) Second Initial Flow Pressure	<u>194</u>	<u>133</u>	PSI Recorder No. _____	T-Out <u>7:20 P.M.</u>
(F) Second Final Flow Pressure	<u>210</u>	<u>234</u>	PSI (depth) _____	T-Off Location _____
(G) Final Shut-in Pressure	<u>1582</u>	<u>1561</u>	PSI Initial Opening _____	Test ☒ <u>700"</u>
(Q) Final Hydrostatic Mud	<u>2194</u>	<u>2236</u>	PSI Initial Shut-in _____	Jars ☒ <u>206"</u>
			Final Flow _____	Safety Joint ☒ <u>50"</u>
			Final Shut-in _____	Straddle _____

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Approved By Ed Groves

Our Representative Scott Bynbee

Circ. Sub n/c
Sampler _____
Extra Packer _____
Elec. Rec. ☒ 150"
Mileage _____
Other shale packer 150"
TOTAL PRICE \$ 1250"