

15-119-21026

14-35s-30w

KCC **CONFIDENTIAL**

WELL NAME:

XIT #2

COMPANY:

Raydon Exploration, Inc.

LOCATION:

14-35s-30w

DATE:

Meade co Kansas

7/5/00

RECEIVED
STATE OF KANSAS COMMISSION

AUG 18 2000

CONSERVATION DIVISION
Wichita, Kansas

AUG 10 2000
CONFIDENTIAL

RELEASED

AUG 10 2001

ORIGINAL

RELEASED

AUG 10 2001

FROM CONFIDENTIAL

CONFIDENTIAL

TRILOBITE TESTING L.L.C.

ORIGINAL

OPERATOR : Raydon Exploration Inc.

DATE 6-27-2000

WELL NAME: XIT #2

KB 2384.00 ft

TICKET NO: 12605 DST # 1

LOCATION : 14-35s-30w Meade co KS

GR 2373.00 ft

FORMATION: Morrow

INTERVAL : 5680.00 To 5716.00 ft

TD 5760.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13278	13278	2357	10993		PF Fr. 2050 to 2120 hr
SI 60 Range(Psi)	4400.0	4400.0	5000.0	4250.0	0.0	IS Fr. 2120 to 2220 hr
SF 60 Clock(hrs)	12HR	12HR	ELECT	12HR		SF Fr. 2220 to 2320 hr
FS 120 Depth(ft)	5711.0	5711.0	5681.0	5757.0	0.0	FS Fr. 2320 to 0120 hr

	Field	1	2	3	4	
A. Init Hydro	2625.0	2692.0	2685.0	0.0	0.0	T STARTED 1827 hr
B. First Flow	99.0	93.0	30.0	0.0	0.0	T ON BOTM 2048 hr
B1. Final Flow	99.0	82.0	32.0	0.0	0.0	T OPEN 2050 hr
C. In Shut-in	110.0	98.0	72.0	0.0	0.0	T PULLED 0120 hr
D. Init Flow	99.0	87.0	26.0	0.0	0.0	T OUT 0530 hr
E. Final Flow	99.0	78.0	33.0	0.0	0.0	
F. Fl Shut-in	88.0	79.0	75.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2581.0	2635.0	2630.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	I	I	I	I		Wt Set On Packer 25000.00 lbs
						Wt Pulled Loose 20000.00 lbs
						Initial Str Wt 85000.00 lbs
						Unseated Str Wt 85000.00 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 359.00 ft
						D.P. Length 5325.00 ft

RECOVERY

Tot Fluid 30.00 ft of 30.00 ft in DC and 0.00 ft in DP
 30.00 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

KCC

AUG 10 2000

CONFIDENTIAL

BLOW DESCRIPTION

Initial Flow:
 Weak surface blow built to fair 4"
 blow in 30 minutes.
 Initial Shut-In:
 No blow back.
 Final Flow:
 Weak, 1/2" blow decreased to surface
 blow.
 Final Shut-In:
 No blow back.

KCC

AUG 10 2000

CONFIDENTIAL

MUD DATA-----

Mud Type	Chemical
Weight	8.90 lb/c
Vis.	49.00 S/L
W.L.	6.40 in3
F.C.	0.00 in
Mud Drop Y	30.0 ft
Amt. of fill	0.00 ft
Btm. H. Temp.	119.00 F
Hole Condition	Good
% Porosity	10.00
Packer Size	6.75 in
No. of Packers	3
Cushion Amt.	0.00
Cushion Type	1-shalepacker
Reversed Out N	
Tool Chased N	
Tester	Brad Bortz
Co. Rep.	Ed Grieves
Contr.	Big A
Rig #	1
Unit #	
Pump T.	

SAMPLES: None

SENT TO:

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: XIT #2

LOCATION : 14-35s-30w Meade co KS

TICKET No. 12605 D.S.T. No. 1 DATE 6-27-2000

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL 44

BOTTOM PACKERS AND ANCHOR 36

TOTAL TOOL 107

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 359

D.P. ABOVE TOOLS.Stands 86 Single Total 5325

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5791

TOTAL DEPTH 5760

TOTAL DRILL PIPE ABOVE K.B. 31

REMARKS:

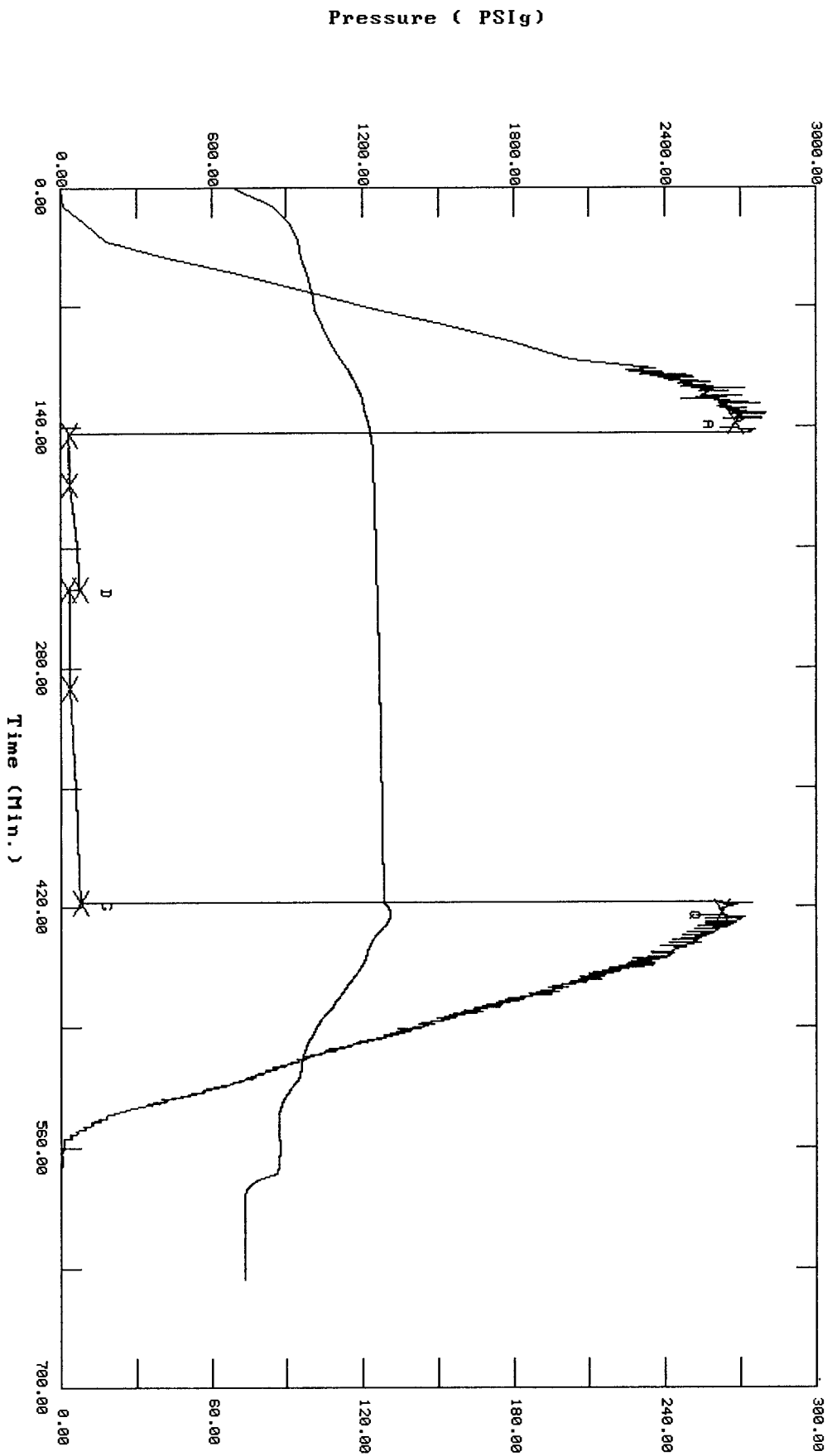
P.O. SUB Cir. sub.	5593
C.O. SUB Top of tool	5653
Double pin	5654
S.I. TOOL Sterling	5659
HMV Sterling	5664
JARS Sterling	5669
SAFETY JOINT Sterling	5671
PACKER Sparton	5676
PACKER Sparton	5680
DEPTH	
1 ft.	5681
ANCHOR Alpine	5681
Pu. sub	5686
Ak-1	5711
26 ft. perfs.	5712
1 ft blank	5713
3 ft packer	5716
PACKER Sparton "center"	5716
2 ft. packer	5718
1 ft co.sub	5719
1 jt. 31 ft.	5750
1 ft. co sub	5751
AK-1	5757
BULLNOSE 7 ft perfs	5758
T.D. 2 ft perfs.	5760

TEST HISTORY

12605 DST #1 X1T #2 Raydon Exploration, Inc.

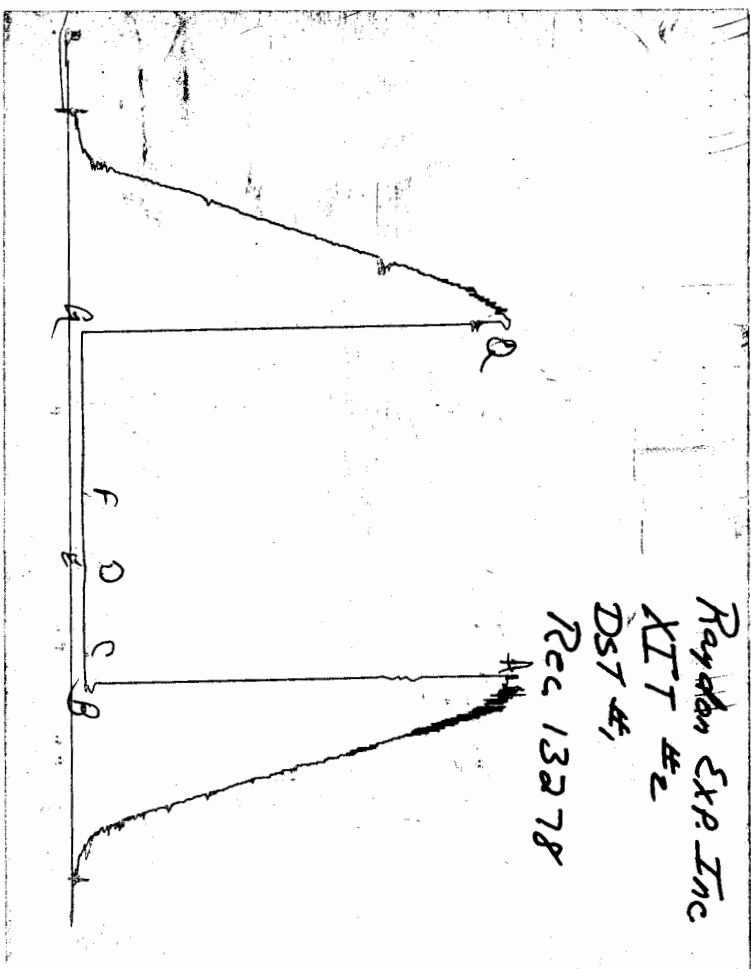
Flag Points

t(Min.)	P(PSIg)
A: 0.00	2685.72
B: 0.00	30.81
C: 29.25	32.95
D: 60.50	72.96
E: 0.00	26.70
F: 57.25	33.97
G: 125.50	75.03
H: 0.00	2630.72



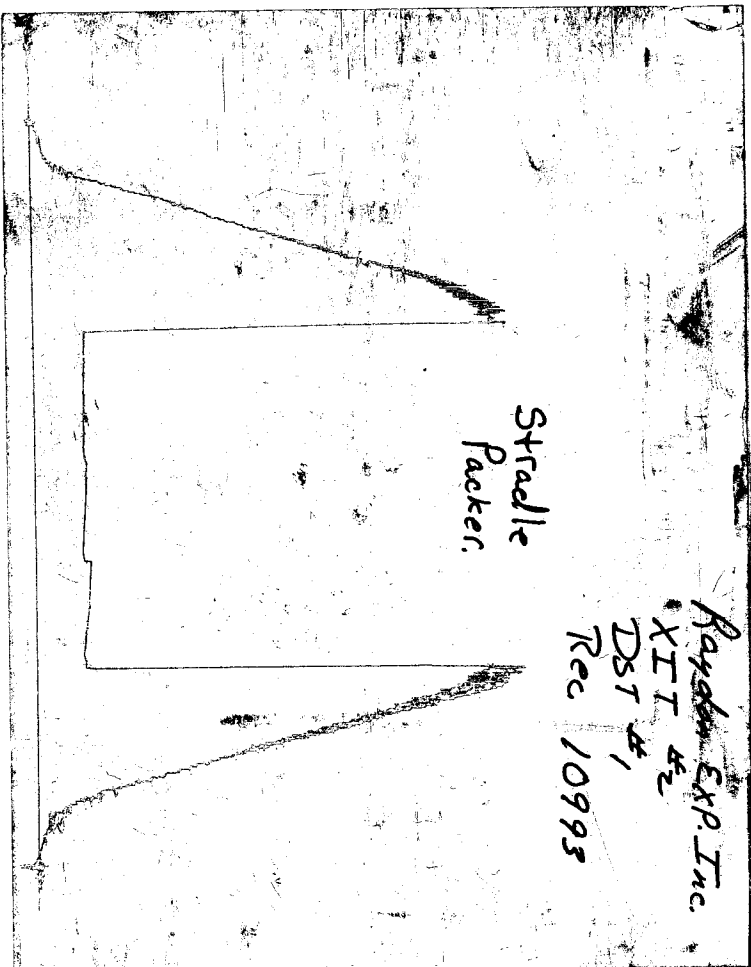
Temperature (DEG F)

CHART PAGE



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

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

N^o 12605

Well Name & No. <u>XIT #2</u>	Test No. <u>1</u>	Date <u>6-27-2000</u>
Company <u>Raydon Exp. Inc</u>	Zone Tested <u>Morrow</u>	
Address <u>9400 N. Broadway S. 400 Ok. City Ok. 73114</u>	Elevation <u>2384</u> KB <u>2373</u> GL	
Co. Rep / Geo. <u>Ed Grieves</u>	Cont. <u>Big A- #1</u>	Est. Ft. of Pay <u>10</u> Por. <u>10</u> %
Location: Sec. <u>14</u>	Twp. <u>35S</u>	Rge. <u>30W</u> Co. <u>Morris</u> State <u>KS</u>
No. of Copies <u>R</u>	Distribution Sheet (Y, N) <u>Y</u>	Turnkey (Y, N) <u>—</u> Evaluation (Y, N) <u>—</u>

Interval Tested 5680 - 5714 5760 Initial Str Wt./Lbs. 85,000 Unseated Str Wt./Lbs. 85,000
 Anchor Length 36' 27' tool 44' tail pipe Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 20,000
 Top Packer Depth 5675 Tool Weight 1,800
 Bottom Packer Depth 5680 Stadler Packer @ 5714 Hole Size — 7 7/8" — Rubber Size — 6 3/4" —
 Total Depth 5760 Wt. Pipe Run 86 studs Drill Collar Run 359'
 Mud Wt. 8.9 LCM 4# Vis. 49 WL 6.4 Drill Pipe Size 4 1/2 XH. Ft. Run 5325' 31 up
 Blow Description weak surface Blow built to fair 4" blow in 30min F.F.P.
no blow back I.S.I.P.
weak, 1/2" Blow Decreased to surface blow F.F.P.
no blow back F.S.I.P.

Recovery — Total Feet 30 GIP — Ft. in DC 30' Ft. in DP —
 Rec. 30' Feet Of Drilling 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 119° °F Gravity — °API D@ — °F Corrected Gravity — °API
 RW — @ — °F Chlorides — ppm Recovery Chlorides — ppm System

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>2625</u>	<u>2685</u>		<u>2357</u>	<u>2:00 Pm</u> 42'
(B) First Initial Flow Pressure	<u>99</u>	<u>30</u>	PSI	(depth) <u>5681</u>	T-Started <u>6:27 Pm</u>
(C) First Final Flow Pressure	<u>99</u>	<u>32</u>	PSI	Recorder No. <u>13278</u>	T-Open <u>8:50 Pm</u> 11
(D) Initial Shut-In Pressure	<u>110</u>	<u>72</u>	PSI	(depth) <u>5711</u>	T-Pulled <u>1:20 Am</u>
(E) Second Initial Flow Pressure	<u>99</u>	<u>26</u>	PSI	Recorder No. <u>10993</u>	T-Out <u>5:30 Am</u>
(F) Second Final Flow Pressure	<u>99</u>	<u>33</u>	PSI	(depth) <u>5757</u>	T-Off Location <u>—</u>
(G) Final Shut-in Pressure	<u>88</u>	<u>75</u>	PSI	Initial Opening <u>30</u>	Test <u>✓</u> <u>800</u>
(Q) Final Hydrostatic Mud	<u>2581</u>	<u>2630</u>	PSI	Initial Shut-in <u>60</u>	Jars <u>✓</u> <u>200</u>
				Final Flow <u>60</u>	Safety Joint <u>✓</u> <u>50</u>
				Final Shut-in <u>120</u>	Straddle <u>✓</u> <u>250</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 Ed Grieves
 Our Representative Brad Boy

Circ. Sub —
 Sampler Shale
 Packer ✓ 150
 Elec. Rec. ✓ 150
 Mileage —
 Other — 120
 TOTAL PRICE \$ 1750

TRILOBITE TESTING L.L.C.

OPERATOR : Raydon Exploration Inc.
WELL NAME: XIT #2
LOCATION : 14-35s-30w Meade co KS
INTERVAL : 5805.00 To 5865.00 ft

DATE 6-29-2000
KB 2384.00 ft TICKET NO: 12606 DST #2
GR 2373.00 ft FORMATION: Chester Limestone
TD 5865.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13278	13278	2357			PF Fr. 0745 to 0815 hr
SI 60 Range(Psi)	4400.0	4400.0	5000.0	0.0	0.0	IS Fr. 0815 to 0915 hr
SF 60 Clock(hrs)	12HR	12HR	ELECT			SF Fr. 0915 to 1015 hr
FS 120 Depth(ft)	5862.0	5862.0	5806.0	0.0	0.0	FS Fr. 1015 to 1215 hr

	Field	1	2	3	4	
A. Init Hydro	2735.0	2776.0	2765.0	0.0	0.0	T STARTED 0521 hr
B. First Flow	143.0	198.0	69.0	0.0	0.0	T ON BOTM 0743 hr
B1. Final Flow	132.0	123.0	47.0	0.0	0.0	T OPEN 0745 hr
C. In Shut-in	1920.0	1907.0	1930.0	0.0	0.0	T PULLED 1215 hr
D. Init Flow	154.0	163.0	41.0	0.0	0.0	T OUT 1530 hr
E. Final Flow	143.0	126.0	31.0	0.0	0.0	
F. Fl Shut-in	1832.0	1845.0	1863.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2669.0	2671.0	2704.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	I	I	I			Wt Set On Packer 25000.00 lbs
						Wt Pulled Loose 15000.00 lbs
						Initial Str Wt 80000.00 lbs
						Unseated Str Wt 90000.00 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 359.00 ft
						D.P. Length 5451.00 ft

RECOVERY

Tot Fluid 5.00 ft of 5.00 ft in DC and 0.00 ft in DP
5800.00 ft of Gas in pipe.
5.00 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 15 seconds. Gas to surface in 6 minutes.
Initial Shut-In:
No blow back.
Final Flow:
Strong blow bottom of bucket immediately.
Final Shut-In:
No blow back.

Gas will burn.

SAMPLES: Caught one sample
SENT TO: Caraway

MUD DATA-----

Mud Type	Chemical
Weight	8.90 lb/c
Vis.	48.00 S/L
W.L.	6.80 in3
F.C.	0.00 in
Mud Drop Y	30.0 ft

Amt. of fill	0.00 ft
Btm. H. Temp.	120.00 F
Hole Condition	Good
% Porosity	10.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Brad Bortz
Co. Rep.	Ed Grieves
Contr.	Big A
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

GAS RECOVERY

COMPANY: Raydon Exploration Inc.

DATE: 6-29-2000

WELL NAME: XIT #2

KB Elev: 2384.00 ft TICKET #12606 DST #2

WELL LOCATION: 14-35s-30w Meade co KS

GR Elev: 2373.00 ft FORMATION: Chester Limestone

INTERVAL Fr.: 5805.00 To 5865.00 T.D.: 5865.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH 2" MERLA ORFICE

***** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	0.75	6	0	194000.0
20	0.75	6	0	194000.0
30	0.75	6	0	194000.0

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	0.75	6	0	194000.0
20	0.75	6	0	194000.0
30	0.75	6	0	194000.0
40	0.75	6	0	194000.0
50	0.75	6	0	194000.0
60	0.75	6	0	194000.0

[illegible]

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

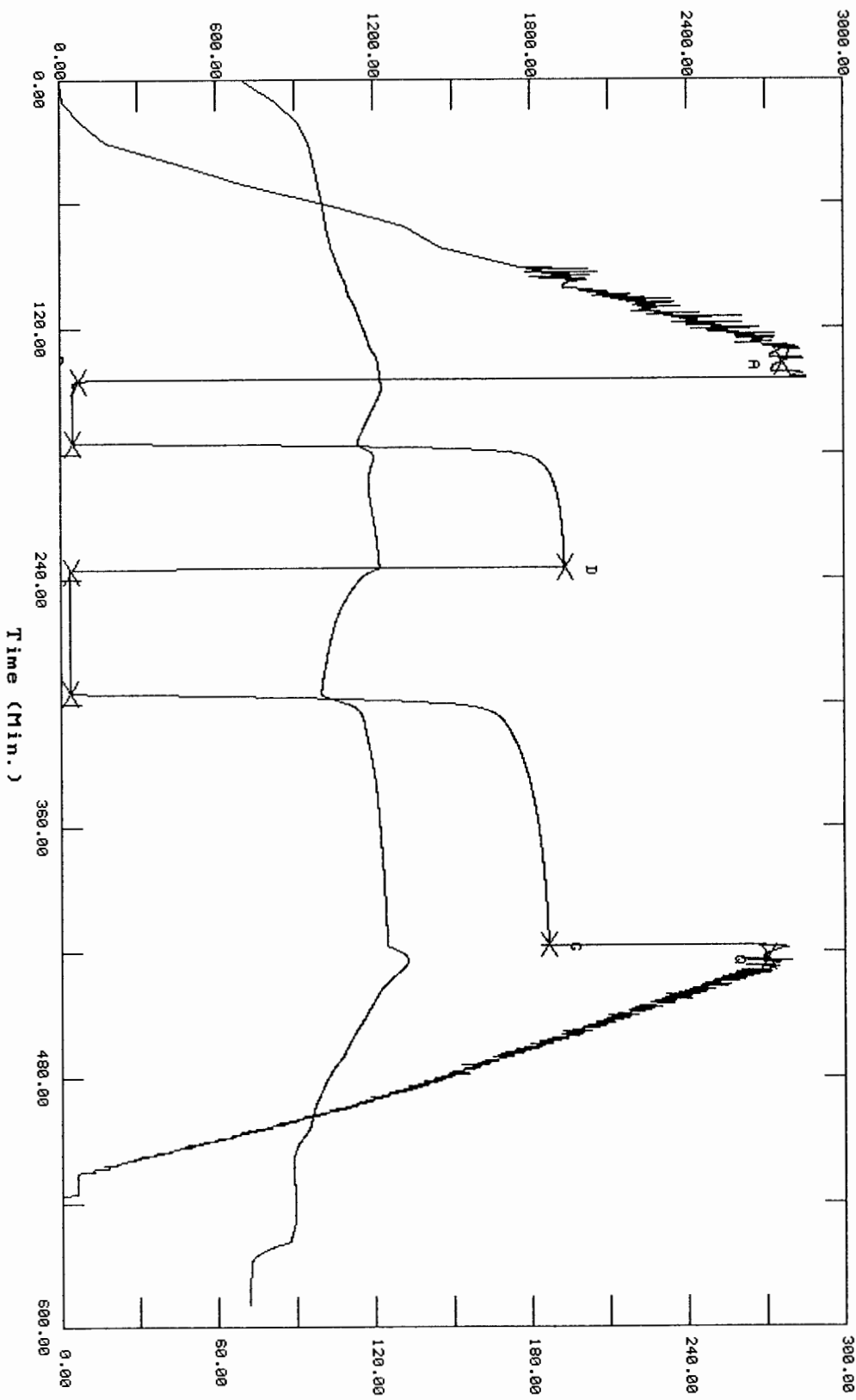
Lab Number: 20003687	Analyzed: 06/30/00
Sample From: XIT #2 DST 2	Pressure:
Producer: Raydon Exploration	Temperature:
Date:	Location: 14-35-30
Time:	County: Meade
Sampler:	State: Kansas
Source:	Formation: Chester
	-----Limestone

	Mole %	GPM
Helium	He: 0.116	0.000
Hydrogen	H2: 0.001	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 2.349	0.000
Carbon Dioxide	CO2: 0.079	0.000
Methane	C1: 84.813	0.000
Ethane	C2: 5.587	1.494
Propane	C3: 3.700	1.020
Iso Butane	iC4: 0.563	0.184
Normal Butane	nC4: 1.343	0.423
Iso Pentane	iC5: 0.321	0.117
Normal Pentane	nC5: 0.392	0.142
Hexanes Plus	C6+: 0.736	0.321

TOTAL: 100.000 3.702
 Z Fact: 0.9970
 SP.GR.: 0.6903
 BTU (SAT): 1162.7 @ 14.73 psia
 BTU (DRY): 1183.2 @ 14.73 psia
 OCTANE RATING: 122.0

 COMMENTS: 0.000

TEST HISTORY 12606 DST #2 XIT #2 Raydon Exploration Inc.

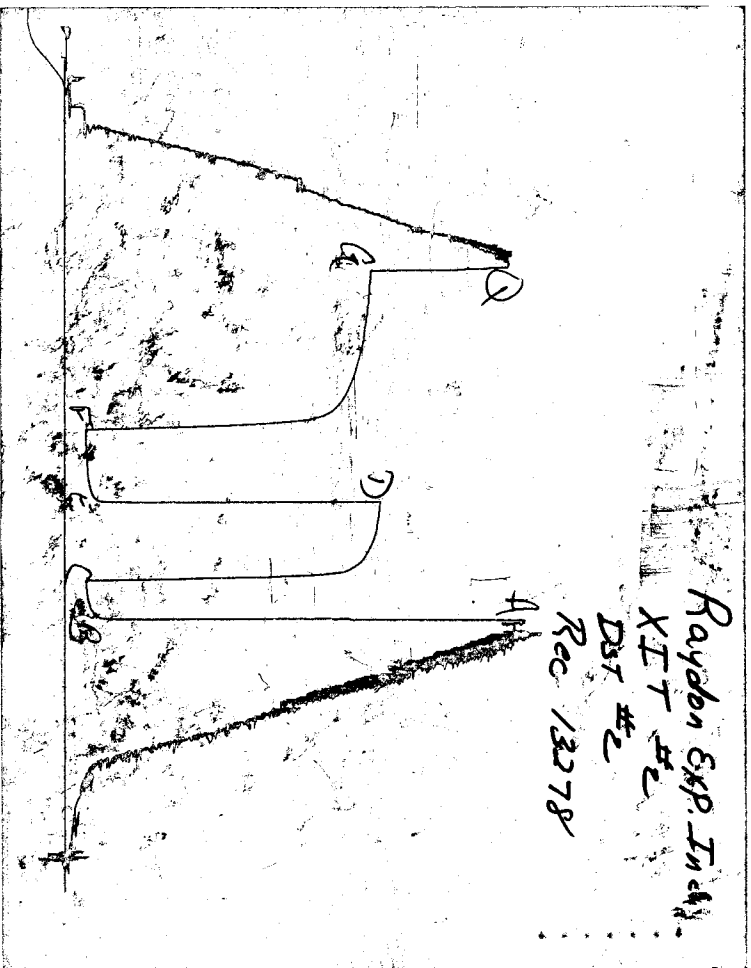


Flag Points

t(min.)	P(PSig)
A: 0.00	2785.39
B: 0.00	69.24
C: 29.75	47.83
D: 60.25	1930.05
E: 0.00	41.84
F: 59.00	31.15
G: 121.25	1863.94
Q: 0.00	2704.54

Temperature (DEG F)

CHART PAGE



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



GAS VOLUME REPORT

Raydon Exp Inc
OPERATOR

XIT #2

WELL NAME AND NO.

2
DST NO

GTS in
1st

22d

Remarks: Caught 1-smpl. Sent to Carraway
gas will burn

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

N^o 12606

Well Name & No. <u>XIT #2</u>	Test No. <u>2</u>	Date <u>6-29-2000</u>
Company <u>Raydon Exp. Inc.</u>	Zone Tested <u>Chester Lime stone</u>	
Address <u>9400 N. Broadway S. 400 OK, City OK, 73114</u> Elevation <u>2384</u> KB <u>2373</u> GL		
Co. Rep / Geo. <u>Ed Grieves</u>	Cont. <u>Big A #1</u>	Est. Ft. of Pay <u>20</u> Por. <u>10</u> %
Location: Sec. <u>14</u> Twp. <u>35s</u> Rge. <u>30W</u> Co. <u>Meade</u> State <u>Ks</u>		
No. of Copies <u>R</u> Distribution Sheet (Y, N) <u>—</u> Turnkey (Y, N) <u>—</u> Evaluation (Y, N) <u>—</u>		

Interval Tested <u>5805-5865</u>	Initial Str Wt./Lbs. <u>80,000</u>	Unseated Str Wt./Lbs. <u>90,000</u>
Anchor Length <u>60'</u> Tool <u>27'</u>	Wt. Set Lbs. <u>25,000</u>	Wt. Pulled Loose/Lbs. <u>15,000</u>
Top Packer Depth <u>5800</u>	Tool Weight <u>1,800</u>	
Bottom Packer Depth <u>5805 Shale Packer</u>	Hole Size — 7 7/8" —	Rubber Size 6 3/4" —
Total Depth <u>5865</u>	Wt. Pipe Run —	Drill Collar Run <u>359'</u>
Mud Wt. <u>8.9</u> LCM <u>3#</u> Vis. <u>48</u> WL <u>6.8</u>	Drill Pipe Size <u>4 1/2 XH.</u>	Ft. Run <u>5451 32' up.</u>

Blow Description Strong blow O.B.B. in 15 sec. G.T.S. in 6 min I.F.P.
no Blow back I.S.I.P.
Strong Blow B.O.B. immediately F.F.P. "See gas Flow Charts"
No Blow back, F.S.I.P.

Recovery — Total Feet <u>5'</u>	GIP <u>5800</u>	Ft. in DC <u>5</u>	Ft. in DP <u>0</u>
Rec. <u>5'</u> Feet Of <u>Drilling 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 120° °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 3,400 ppm System

	AK-1	Alpine			
(A) Initial Hydrostatic Mud	<u>2735</u>	<u>2745</u>	PSI Recorder No. <u>2357</u>	T-On Location	<u>4:00 Am</u>
(B) First Initial Flow Pressure	<u>143</u>	<u>69</u>	PSI (depth) <u>5806</u>	T-Started	<u>5:21 Am</u>
(C) First Final Flow Pressure	<u>132</u>	<u>47</u>	PSI Recorder No. <u>13278</u>	T-Open	<u>7:45</u>
(D) Initial Shut-In Pressure	<u>1920</u>	<u>1930</u>	PSI (depth) <u>5862</u>	T-Pulled	<u>12:15</u>
(E) Second Initial Flow Pressure	<u>154</u>	<u>41</u>	PSI Recorder No. _____	T-Out	<u>3:30</u>
(F) Second Final Flow Pressure	<u>143</u>	<u>31</u>	PSI (depth) _____	T-Off Location	<u>4:30</u>
(G) Final Shut-in Pressure	<u>1832</u>	<u>1843</u>	PSI Initial Opening <u>30</u>	Test	☒
(Q) Final Hydrostatic Mud	<u>2669</u>	<u>2704</u>	PSI Initial Shut-in <u>60</u>	Jars	☒
			Final Flow <u>60</u>	Safety Joint	☒
			Final Shut-in <u>120</u>	Straddle	☒
				Circ. Sub	☒
				Sampler	☒
				1- Shok	☒
				Extra Packer	☒
				Elec. Rec.	☒
				Mileage	_____
				Other	_____
				TOTAL PRICE \$	_____

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

Approved By Edmund Grieves
 Our Representative Brad Boy