

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- 175-21812-0000  
County Seward  
NW - SE Sec. 03 Twp. 34 Rge. 32 X W

Operator: License # 30604

1980 Feet from S/W (circle one) Line of Section

Name: Raydon Exploration, Inc.

1980 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 Eva Well # 2-3

Purchaser: N/A

Field Name Arkalon

Operator Contact Person: Keith Hill

Producing Formation Chase

Phone (316) 624-0156

Elevation: Ground 2756 KB 2767

Contractor: Name: Big A Drilling

Total Depth 6500 PBDT 3083

License: 31572

Amount of Surface Pipe Set and Cemented at 1657 Feet

Wellsite Geologist: Edwin Grieves

Multiple Stage Cementing Collar Used? Yes x No

Designate Type of Completion

If yes, show depth set Feet

x New Well Re-Entry Workover

If Alternate II completion, cement circulated from

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

feet depth to w/ sx cmt.

RECEIVED  
STATE CORPORATION COMMISSION  
2-19-01  
FEB 12 2001  
Conservation Division  
Filing Fluid Management Plan ALT 1 gk 6/7/01  
Data must be collected from the Reserve Pit

If Workover/Reentry: Old Well Info as follows:

Chloride content 7000 ppm Fluid volume bbls

Operator:

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 License No.

09-18-2000 10-05-2000 11-16-00  
Spud Date Date Reached TD Completion Date

Quarter Sec. Twp. S Rng. E/W

County Docket No.

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

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

Signature *Keith Hill*

Title Agent Date 03-02-2000

Subscribed and sworn to before me this 8th day of February 20 01.

Notary Public *Helen M. Smith*

Date Commission Expires



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)

SIDE TWO

Operator Name Raydon Exploration, Inc. Lease Name Eva Well # 2-3

Sec. 03 Twp. 34 Rge. 32  East  West  
 County Meade

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

<input type="checkbox"/> Log Formation (Top), Depth and Datums <input checked="" type="checkbox"/> Sample		
Name	Top	Datum
Chase	2616	
Council Grove	3002	
Base Heebner	4358	
Toronto	4374	
Lansing	4517	
Marmaton	5191	
Cherokee	5380	
Morrow FM	5721	
Chester	5920	
St. Genevieve	6330	
St. Louis	6364	

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#	1657'	Lite	575	3%cc, 1/4# Floccel 6% gel
					Class A	150	2%cc, 3% gel
Production	7-7/8"	4-1/2"	10.5#	3142'	Class H	125	10% cc, 10% salt, 5# gilsonite, 1%

ADDITIONAL CEMENTING/SQUEEZE RECORD Halad 322, 1/4 D-AIR 300

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
	2660-2668	1500 gals 7-1/2% FE acid	
	" "	1000 gals 15% HCL	
	" "	10,000 gal 75% FE HCl	

TUBING RECORD Size 2-3/8" Set At 2610 Packer At \_\_\_\_\_ Liner Run  Yes  No

Date of First, Resumed Production, SWD or Inj. \_\_\_\_\_ Waiting on pipeline \_\_\_\_\_ Producing Method  Flowing  Pumping  Gas Lift  Other (Explain) \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	0	10	6	N/A	0.9387

Disposition of Gas: \_\_\_\_\_ METHOD OF COMPLETION \_\_\_\_\_ Production Interval 2660-2668'  
 Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled  
 (If vented, submit ACO-18.)  Other (Specify) \_\_\_\_\_



JOB SUMMARY

ORDER NO. 70005

TICKET # **70190 ORIGINAL** TICKET DATE **11/00**

BDA / STATE **KS** COUNTY **SEWARD**

PSL DEPARTMENT **ZONAL ISOLATION**

CUSTOMER REP / PHONE **KEITH HILL**

API / UWI #

JOB PURPOSE CODE **035**

REGION **North America** NW/COUNTRY **MID CONTINENT**

MBU ID / EMP # **NYL10104 105848** EMPLOYEE NAME **JOHN WOODROW**

LOCATION **LIBERAL KS** COMPANY **RAYDON EXPLORATION**

TICKET AMOUNT **\$ 8573.74** WELL TYPE **02**

WELL LOCATION **N.E. LIBERAL** DEPARTMENT **CEMENT**

LEASE / WELL # **EVA 2-3** SEC / TWP / RNG **3-34S-32W**

HES EMP NAME/EMP#/(EXPOSURE HOURS)   HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)   HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)   HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)   HRS
J. WOODROW 105848			
A. ZIMMERMAN 202875			
J. HEURY 212525			
D. ROBERSON 191260			

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
420621 P/L	20						
54219/78299	20						
54029/6618	58						

Form Name \_\_\_\_\_ Type: \_\_\_\_\_

Form Thickness \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_

Packer Type \_\_\_\_\_ Set At \_\_\_\_\_

Bottom Hole Temp. \_\_\_\_\_ Pressure \_\_\_\_\_

Misc. Data \_\_\_\_\_ Total Depth \_\_\_\_\_

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
	10-6-00	10-6-00	10-6-00	10-7-00
TIME	1430	1630		

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY	MAKE
Float Collar <b>INSERS 4 1/2</b>	1	H
Float Shoe		
Guide Shoe <b>REG 4 1/2</b>	1	O
Centralizers <b>S-41 4 1/2</b>	12	
Bottom Plug		W
Top Plug <b>S-W 4 1/2</b>	1	
Head <b>P/C 4 1/2</b>	1	C
Packer		
Other <b>BASKETS 4 1/2</b>	1	O

**WELL DATA**

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N	16.5	4 1/2	8.0	3144	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole						SHOTS/FT.
Perforations						
Perforations						
Perforations						

**MATERIALS**

Treat Fluid	Density	Lb./Gal
Disp. Fluid	Density	Lb./Gal
Prop. Type	Size	Lb.
Prop. Type	Size	Lb.
Acid Type	Gal.	%
Acid Type	Gal.	%
Surfactant	Gal.	In
NE Agent	Gal.	In
Fluid Loss	Gal/Lb	In
Gelling Agent	Gal/Lb	In
Fric. Red.	Gal/Lb	In
Breaker	Gal/Lb	In
Blocking Agent	Gal/Lb	
Perfpac Balls	Qty.	
Other		
Other		
Other		
Other		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
10/1				(SEE JOB LOG)
<b>TOTAL</b>		<b>TOTAL</b>		

**HYDRAULIC HORSEPOWER**

ORDERED Avail. Used

**AVERAGE RATES IN BPM**

TREATED Disp. Overall

FEET **45** **CEMENT LEFT IN PIPE** Reason **SHOX JOINT**

**CEMENT DATA**

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
1	30	PREMIUM	B		1.18	156
2	125	PREMIUM	B	10% GAL SEAL, 1% HALAD 322, 5% CEMENTITE, 10% SALT, 25% D-AIR 3000	1.48	165

Circulating Breakdown	Displacement Maximum	Preflush: Gal - BBI	Type
Average	Frac Gradient	Load & Bkdn: Gal - BBI	Pad: BBI - Gal
Shut In: Instant	5 Min 15 Min	Treatment Gal - BBI	Disp: BBI - Gal
		Cement Slurr Gal - BBI	33.0
		Total Volume Gal - BBI	

Frac Ring #1 \_\_\_\_\_ Frac Ring #2 \_\_\_\_\_ Frac Ring #3 \_\_\_\_\_ Frac Ring #4 \_\_\_\_\_

THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER'S REPRESENTATIVE SIGNATURE *[Signature]*

Federal Tax I.D.# 48-0727660

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

SERVICE POINT:  
med. lodge, Ks

ORIGINAL

DATE	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
9-19-00	3	34S	32W	3:30 P.M.	8:45 P.M.	5:00 A.M.	7:00 A.M.
LEASE	WELL#	LOCATION		COUNTY	STATE		
EUA	2-3	Hane 1/2E-3/4N-E/S		Seward	Ks.		
OLD OR NEW (Circle one)							

CONTRACTOR	OWNER
Big A Dng	Raydon Exploration
TYPE OF JOB	
Surface Cas	
HOLE SIZE	TD
12 1/4	1675'
CASING SIZE	DEPTH
2 5/8 x 24	1674
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
800	200
MEAS. LINE	SHOE JOINT
	43.46
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT	
Fresh H <sub>2</sub> O	

CEMENT	AMOUNT ORDERED		
	575sx Allw + 2% Gel		
	1/4" Fl-Seal 150sx CLASS A + 2% Gel		
	2% Gel		
COMMON A	150	@ 7.55	1132.50
POZMIX		@	
GEL	3	@ 9.50	28.50
CHLORIDE	16	@ 28.00	448.00
Allw	575sx	@ 7.05	4053.75
Fl-Seal	144*	@ 1.15	165.60
		@	
		@	
		@	
HANDLING	725	@ 1.05	761.25
MILEAGE	725 x 10	.04	290.00

PUMP TRUCK	CEMENTER	DRILLING
# 302	HELPER	DAVID WEST
BULK TRUCK		
# 259	DRIVER	DAVID FEILO
BULK TRUCK		
# 240	DRIVER	JASON TURNER

STATE COMMISSION RECEIVED  
ON COMMISSION TOTAL 6879.60

REMARKS:

Pipe on Bottom - Break Cir  
Pump 575sx Allw + 2% Gel + 1/4"  
Fl-Seal 150sx CLASS A + 2% Gel  
2% Gel Release Plug Dump + Wichita  
Displace Plug 102 bibls Fresh  
H<sub>2</sub>O Bump Plug Release PSI  
Fl at Held Cir 50sx top

FEB 12 2001

SERVICE

DEPTH OF JOB	1674
PUMP TRUCK CHARGE	1080.00
EXTRA FOOTAGE	@
MILEAGE	10 @ 3.00 30.00
PLUG Rubber	@ 90.00 90.00
	@
	@

TOTAL 1200.00

CHARGE TO: Raydon Exploration  
STREET \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

FLOAT EQUIPMENT

1-Guide Shoe	@ 215.00	215.00
1-AFU Insert	@ 325.00	325.00
5-Centralizers	@ 55.00	275.00
	@	
	@	

TOTAL 815.00

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

TAX \_\_\_\_\_  
TOTAL CHARGE \_\_\_\_\_  
DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

SIGNATURE x Alfred D. Lopez

x Gilbert Davila Jr  
PRINTED NAME

**WELL NAME**

Eva A 2-3

**COMPANY**

Raydon Exploration, Inc

**LOCATION**

3-34s-32w

Seward co Kansas

**DATE**

10/6/00

ORIGINAL

TRILOBITE TESTING L.L.C.

ORIGINAL

OPERATOR : Raydon Exp. Inc. DATE 9-23-00  
 WELL NAME: Eva "A" 2-3 KB 2767.00 ft TICKET NO: 13083 DST #1  
 LOCATION : 3-34s-32w Seward co KS GR 2756.00 ft FORMATION: Council Grove  
 INTERVAL : 3546.00 To 3565.00 ft TD 3565.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10242	10242				PF Fr. 1515 to 1545 hr
SI 60 Range(Psi )	4175.0	4175.0	0.0	0.0	0.0	IS Fr. 1545 to 1645 hr
SF 60 Clock(hrs)	12	12				SF Fr. 1645 to 1745 hr
FS 120 Depth(ft )	3562.0	3562.0	0.0	0.0	0.0	FS Fr. 1745 to 1945 hr

	Field	1	2	3	4	
A. Init Hydro	1745.0	1797.0	0.0	0.0	0.0	T STARTED 1335 hr
B. First Flow	30.0	57.0	0.0	0.0	0.0	T ON BOTM 1510 hr
B1. Final Flow	42.0	65.0	0.0	0.0	0.0	T OPEN 1515 hr
C. In Shut-in	926.0	954.0	0.0	0.0	0.0	T PULLED 1945 hr
D. Init Flow	86.0	118.0	0.0	0.0	0.0	T OUT 2200 hr
E. Final Flow	137.0	168.0	0.0	0.0	0.0	
F. Fl Shut-in	913.0	943.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1730.0	1760.0	0.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	I	I				Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 25000.00 lbs
						Initial Str Wt 65000.00 lbs
						Unseated Str Wt 66000.00 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 326.00 ft
						D.P. Length 3221.00 ft

RECOVERY

Tot Fluid 300.00 ft of 300.00 ft in DC and 0.00 ft in DP  
 300.00 ft of Very slighty gas cut water  
 0.00 ft of 1% gas 99% water  
 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 52000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

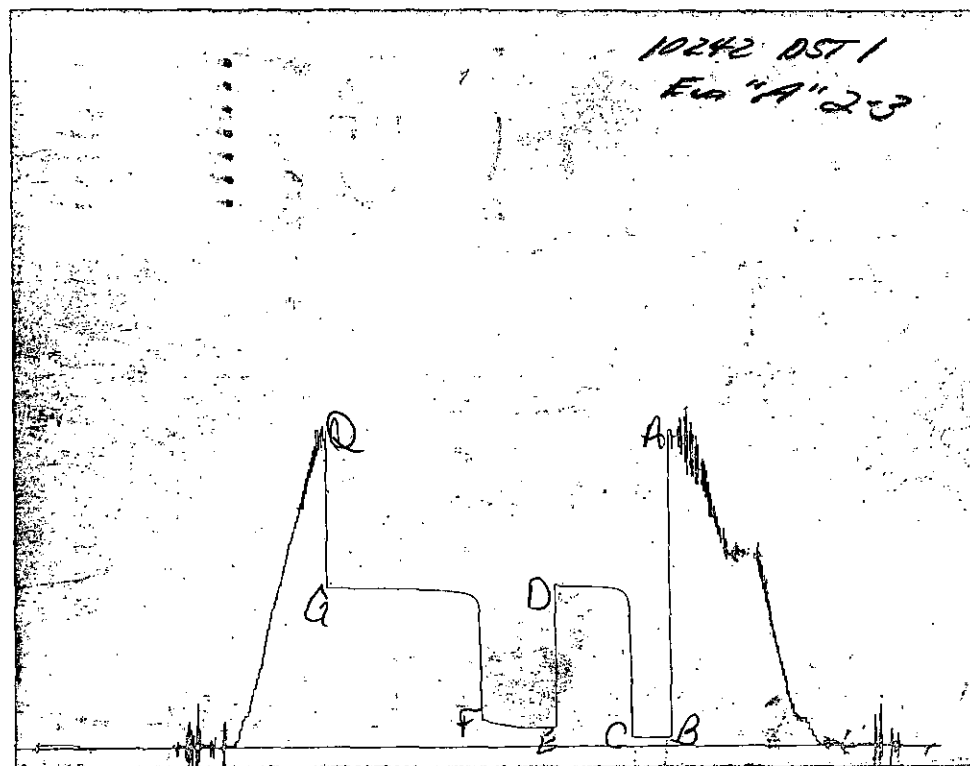
Initial Flow:  
 Surface blow built to 3 1/2" in bucket in 30 minutes.  
 Initial Shut-In:  
 No blow back.  
 Final Flow:  
 Surface blow built to 8" in bucket in 60 minutes.  
 Final Shut-In:  
 No blow back.

SAMPLES:  
 SENT TO:

MUD DATA-----  
 Mud Type Chemical  
 Weight 9.20 lb/c  
 Vis. 46.00 S/L  
 W.L. 10.00 in3  
 F.C. 0.00 in  
 Mud Drop  
 Amt. of fill 0.00 ft  
 Btm. H. Temp. 0.00 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 Lanny Saloga  
 Co. Rep. Ed Grieves  
 Contr. Big A  
 Rig # 1  
 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

No. 13083

## Test Ticket

Well Name & No. <u>Eva "A" 2-3</u>	Test No. <u>1</u>	Date <u>9-23-00</u>
Company <u>Raydon Exp. Inc.</u>	Zone Tested <u>Council Grove</u>	
Address <u>OK City OK 73114</u>	Elevation <u>2767</u> KB <u>2756</u> GL	
Co. Rep / Geo. <u>Ed Giguere</u>	Cont. <u>Big A Rig 1</u>	Est. Ft. of Pay <u>14</u> Por. <u>12</u> %
Location: Sec. <u>3</u>	Twp. <u>34S</u>	Rge. <u>32W</u> Co. <u>Seward</u> State <u>KS</u>
No. of Copies <u>Rep</u>	Distribution Sheet (Y, N) <u>N</u>	Turnkey (Y, N) <u>N</u> Evaluation (Y, N) <u></u>

Interval Tested <u>3546-3565</u>	Initial Str Wt./Lbs. <u>65,000</u>	Unseated Str Wt./Lbs. <u>66,000</u>
Anchor Length <u>19'</u> <u>701=27'</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>25,000</u>
Top Packer Depth <u>3541</u>	Tool Weight <u>1,800</u>	
Bottom Packer Depth <u>3546</u>	Hole Size — <u>7 7/8"</u>	Rubber Size — <u>6 3/4"</u>
Total Depth <u>3565</u>	Wt. Pipe Run <u>—</u>	Drill Collar Run <u>326</u>
Mud Wt. <u>9.2</u> LCM <u>3#</u> Vis. <u>46</u> WL <u>10.0</u>	Drill Pipe Size <u>4 1/2 X 4</u>	Ft. Run <u>3221 28' up</u>

Blow Description Surface blow built to 3' 1/2" in bucket 30 min. T.F.P.  
No blow-back T.F.P.  
Surface blow built to 8" in bucket 60 min. F.F.P.  
No blow-back F.F.P.

Recovery — Total Feet <u>300</u>	GIP <u>0</u>	Ft. in DC <u>300</u>	Ft. in DP <u>0</u>
Rec. <u>300</u> Feet Of <u>100% Gas out 400</u>	%gas <u>1</u>	%oil <u>—</u>	%water <u>99</u>
Rec. <u>—</u> Feet Of <u>—</u>	%gas <u>—</u>	%oil <u>—</u>	%water <u>—</u>
Rec. <u>—</u> Feet Of <u>—</u>	%gas <u>—</u>	%oil <u>—</u>	%water <u>—</u>
Rec. <u>—</u> Feet Of <u>—</u>	%gas <u>—</u>	%oil <u>—</u>	%water <u>—</u>
Rec. <u>—</u> Feet Of <u>—</u>	%gas <u>—</u>	%oil <u>—</u>	%water <u>—</u>

BHT — °F Gravity — °API D@ — °F Corrected Gravity — °API  
 RW 0.23 @ 45 °F Chlorides 52,000 ppm Recovery Chlorides 4800 ppm System

	AK-1	Alpine		
(A) Initial Hydrostatic Mud	<u>1745</u>	}	PSI Recorder No. <u>3017 "13-25"</u>	T-On Location <u>11:30 AM.</u>
(B) First Initial Flow Pressure	<u>30</u>		PSI (depth) <u>3548</u>	T-Started <u>1:25 P.M.</u>
(C) First Final Flow Pressure	<u>42</u>		PSI Recorder No. <u>10242</u>	T-Open <u>3:15 P.M.</u>
(D) Initial Shut-In Pressure	<u>926</u>		PSI (depth) <u>3562</u>	T-Pulled <u>7:45 P.M.</u>
(E) Second Initial Flow Pressure	<u>86</u>		PSI Recorder No. <u>—</u>	T-Out <u>10:00 P.M.</u>
(F) Second Final Flow Pressure	<u>137</u>		PSI (depth) <u>—</u>	T-Off Location <u>—</u>
(G) Final Shut-in Pressure	<u>913</u>		PSI Initial Opening <u>30</u>	Test <input checked="" type="checkbox"/>
(Q) Final Hydrostatic Mud	<u>1730</u>		PSI Initial Shut-in <u>60</u>	Jars <input checked="" type="checkbox"/>
			Final Flow <u>60</u>	Safety Joint <input checked="" type="checkbox"/>
		Final Shut-in <u>120</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 Elin K. Green

Our Representative Garrett S. Schlegel

Extra Packer —  
 Elec. Rec. 1 NC. Battery  
 Mileage 1 50  
 Other 1 3 Hrs  
 TOTAL PRICE \$ 1,040.00



TRILOBITE TESTING L.L.C.

OPERATOR : Raydon Exploration Inc.  
 WELL NAME: Eva 2-3  
 LOCATION : 3-34s-32w Seward co KS  
 INTERVAL : 5295.00 To 5318.00 ft

DATE 9-27-00  
 KB 0.00 ft  
 GR 0.00 ft  
 TD 5360.00 ft  
 TICKET NO: 13074 DST #2  
 FORMATION: Marmanton  
 TEST TYPE: CONVETIONALSTRADDLE

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13277	13277	3026	11019		PF Fr. 0138 to 0208 hr
SI 60 Range(Psi )	4125.0	4125.0	4995.0	4500.0	0.0	IS Fr. 0208 to 0308 hr
SF 60 Clock(hrs)	18hr	18hr	elect	18hr		SF Fr. 0308 to 0408 hr
FS 120 Depth(ft )	5360.0	5360.0	5303.0	5318.0	0.0	FS Fr. 0408 to 0608 hr

	Field	1	2	3	4	
A. Init Hydro	2525.0	2554.0	2498.0	2545.0	0.0	T STARTED 2240 hr
B. First Flow	32.0	33.0	17.0	0.0	0.0	T ON BOTM 0137 hr
B1. Final Flow	32.0	27.0	22.0	0.0	0.0	T OPEN 0138 hr
C. In Shut-in	324.0	331.0	339.0	0.0	0.0	T PULLED 0608 hr
D. Init Flow	43.0	46.0	18.0	0.0	0.0	T OUT 0910 hr
E. Final Flow	43.0	41.0	33.0	0.0	0.0	
F. Fl Shut-in	630.0	638.0	647.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2494.0	2553.0	2478.0	2488.0	0.0	Tool Wt. 2000.00 lbs
Inside/Outside	0	0	I	0		Wt Set On Packer 30000.00 lbs

RECOVERY

Tot Fluid 20.00 ft of 20.00 ft in DC and 0.00 ft in DP  
 20.00 ft of 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

Unseated Str Wt 80000.00 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 297.00 ft  
 D.P. Length 4670.00 ft

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

BLOW DESCRIPTION

Initial Flow:  
 Weak blow built to 1 1/2"  
 Initial Shut-In:  
 No blow back.  
 Final Flow:  
 Weak 1 1/2" blow.  
 Final Shut-in:  
 No blow back

MUD DATA-----  
 Mud Type chemical  
 Weight 9.00 lb/c  
 Vis. 46.00 S/L  
 W.L. 8.00 in3  
 F.C. 0.00 in  
 Mud Drop

Amt. of fill 0.00 ft  
 Btm. H. Temp. 125.00 F  
 Hole Condition  
 % Porosity 0.00  
 Packer Size 6.75 in  
 No. of Packers 3  
 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:  
 SENT TO:

Test Successful: Y

\*\*\* TOOL DIAGRAM \*\*\* CONVETIONALSTRADDLE

WELL NAME: Eva 2-3	H	P.O. SUB top of tool	5268
	H	C.O. SUB 1'	5269
LOCATION : 3-34s-32w Seward co KS	H	S.I. TOOL 5'	5274
TICKET No. 13074 D.S.T. No. 2 DATE 9-27-00	H		
TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 27	H		
INTERVAL TOOL .....	H	HMV 5'	5269
BOTTOM PACKERS AND ANCHOR ..... 34	H	JARS 5'	5284
TOTAL TOOL ..... 61	H		
DRILL COLLAR ANCHOR IN INTERVAL .....	H		
D.C. ANCHOR STND.Stands Single Total	H		
D.P. ANCHOR STND.Stands Single 1 Total 31	H	SAFETY JOINT 2'	5286
TOTAL ASSEMBLY ..... 92	H	PACKER 5'	5291
D.C. ABOVE TOOLS.Stands5 Single Total 297	H	PACKER 5'	5295
D.P. ABOVE TOOLS.Stands80 Single 1 Total 4978	H	DEPTH 5295	
TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5367	H	1'	5296
	H	ANCHOR	
TOTAL DEPTH ..... 5360	H	2' perf	5298
TOTAL DRILL PIPE ABOVE K.B. .... 7	H	Alpine Rec.	5303
REMARKS:	H	5' PU sub	5303
	H	10' perf	5313
	H	Ak1 Rec.	5318
	H		
	H	PACKER 5'	5318
	H		
	H	1' sub	5319
	H	1' c/o su	5320
	H	31' pipe	5351
	H	1' c/o sub	5352
	H	3' perf	5355
	H	Ak1 Rec.	5360
	H	BULLNOSE	
	H	T.D. 5'	5360

# TEST HISTORY

13074 DST#2 Eva2-3 Raydon Exploration Inc.

Flag Points

	t (Min.)	P (PSig)
A:	0.00	2498.32
B:	0.00	17.53
C:	29.00	22.94
D:	59.50	339.29
E:	0.00	18.33
F:	70.00	33.71
G:	125.00	647.44
Q:	0.00	2478.94

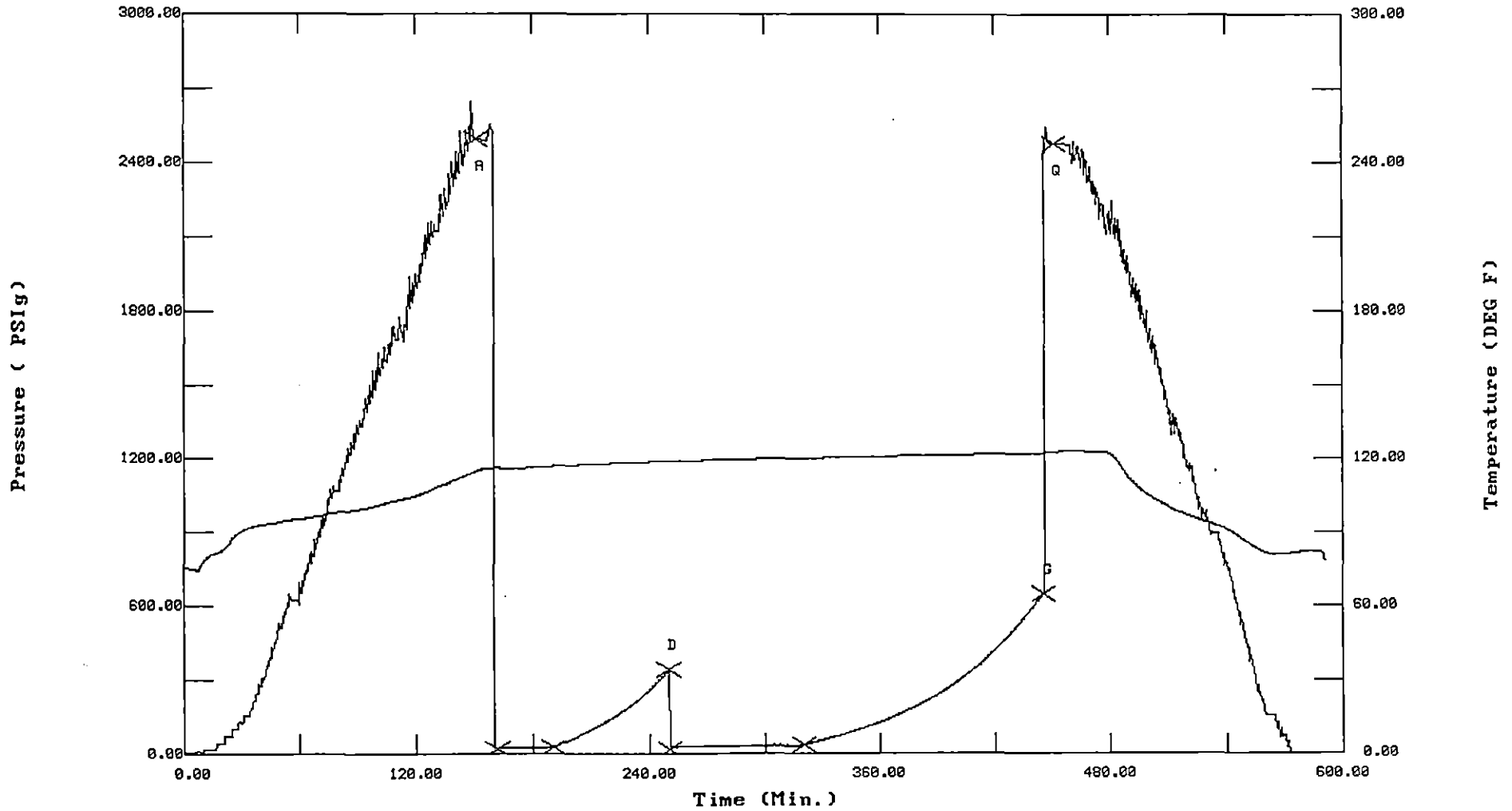
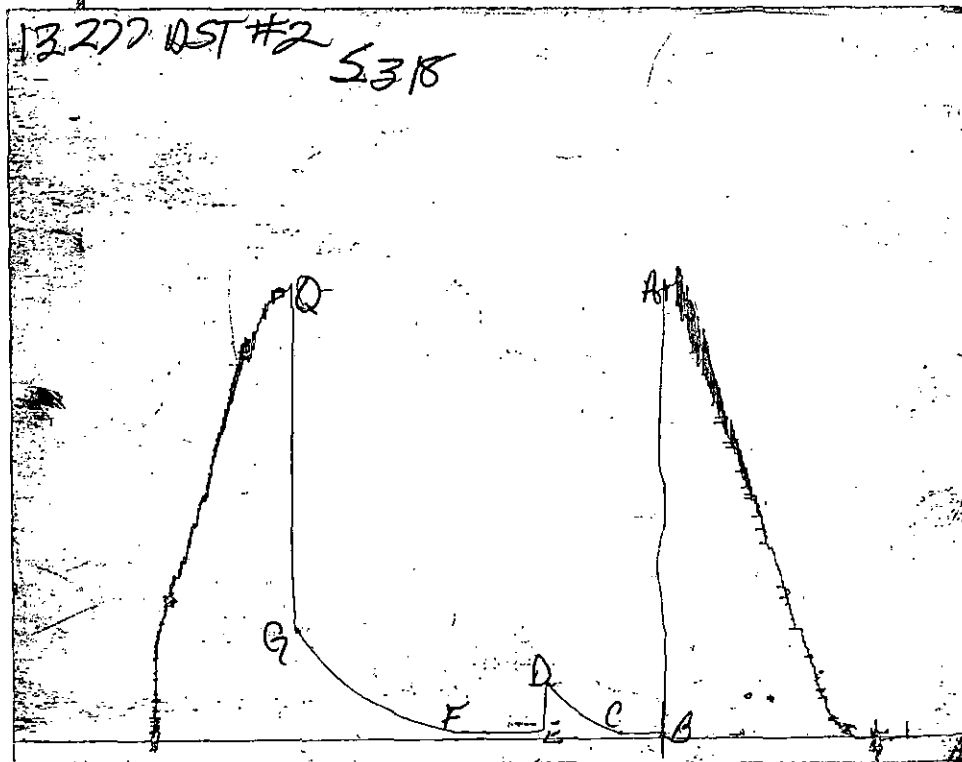


CHART PAGE



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

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

No 13074

## Test Ticket

Well Name & No. <u>EVA 2-3</u>		Test No. <u># 2</u>	Date <u>9-27-60</u>
Company <u>Raydon Exploration, Inc.</u>		Zone Tested <u>Marmaton</u>	
Address <u>4400 N. Bdway Ste. 400 Okla. City Okla. 73114</u>		Elevation	KB _____ GL _____
Co. Rep / Geo. <u>Ed. Gierres</u>	Cont. <u>By A #1</u>	Est. Ft. of Pay _____	Por. _____ %
Location: Sec. <u>3</u>	Twp. <u>34s</u>	Rge. <u>32w</u>	Co. <u>Eward</u> State <u>Ks</u>
No. of Copies _____	Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____	Evaluation (Y, N) _____

Interval Tested <u>5295-5318</u>	Initial Str Wt./Lbs. <u>80,000</u>	Unseated Str Wt./Lbs. <u>80,000</u>
Anchor Length <u>23'</u>	Wt. Set Lbs. <u>30,000</u>	Wt. Pulled Loose/Lbs. <u>95,000</u>
Top Packer Depth <u>5295</u>	Tool Weight <u>2000</u>	
Bottom Packer Depth <u>5318</u>	Hole Size — <u>7 7/8"</u> ✓	Rubber Size — <u>6 3/4"</u> ✓
Total Depth <u>5360</u>	Wt. Pipe Run _____	Drill Collar Run <u>2975</u>
Mud Wt. <u>9</u> LCM <u>3</u> Vis. <u>46</u> WL <u>8</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>4878</u>
Blow Description <u>1st open Weak blow built to 1 1/2"</u> <u>No blow back</u> <u>2nd open Weak 1 1/2' blow</u> <u>No blow back</u>		

Recovery — Total Feet <u>20</u>	GIP _____	Ft. in DC <u>20</u>	Ft. in DP _____
Rec. <u>20</u> Feet Of <u>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 _____
BHT <u>125</u> °F Gravity _____	°API D@ _____	°F Corrected Gravity _____	°API _____
RW _____ @ _____ °F Chlorides _____	ppm Recovery _____	Chlorides _____	ppm System _____

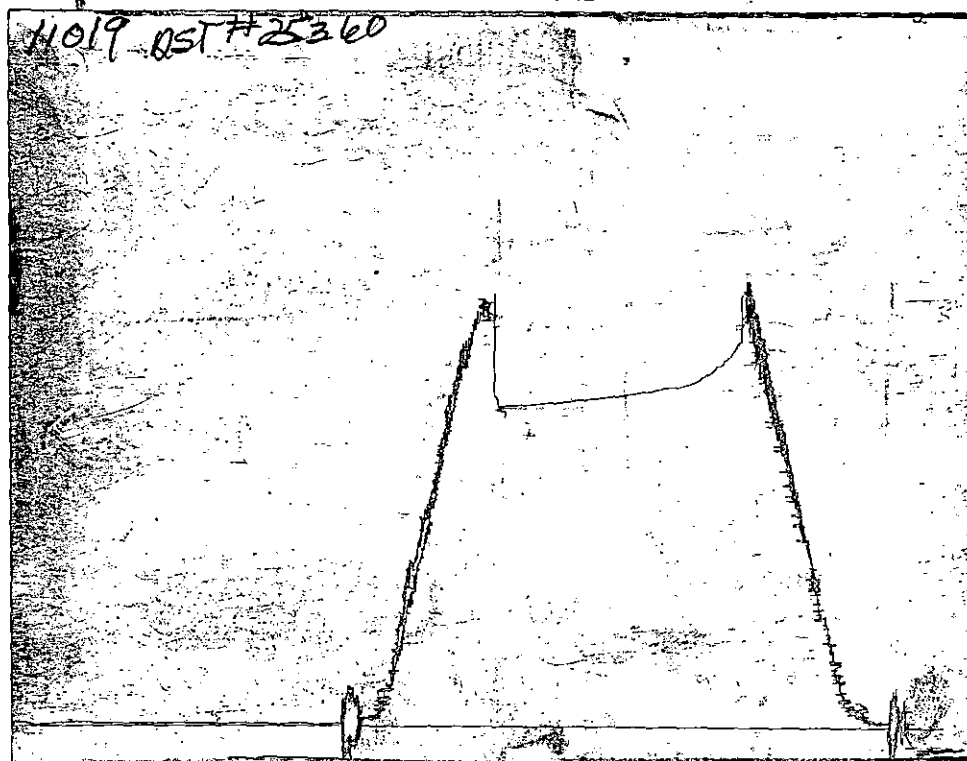
	AK-1	Alpine				
(A) Initial Hydrostatic Mud	2525	2498	PSI	Recorder No. <u>3026</u>	T-On Location <u>9:00 P.M.</u>	
(B) First Initial Flow Pressure	32	17	PSI	(depth) <u>5303</u>	T-Started <u>10:40 P.M.</u>	
(C) First Final Flow Pressure	32	22	PSI	Recorder No. <u>13277</u>	T-Open <u>11:28 A.M.</u>	
(D) Initial Shut-In Pressure	324	339	PSI	(depth) <u>5318</u>	T-Pulled <u>6:08 A.M.</u>	
(E) Second Initial Flow Pressure	43	18	PSI	Recorder No. <u>11019</u>	T-Out <u>9:10 A.M.</u>	
(F) Second Final Flow Pressure	43	33	PSI	(depth) <u>5360</u>	T-Off Location _____	
(G) Final Shut-in Pressure	630	647	PSI	Initial Opening <u>30</u>	Test ✓ <u>850.00</u>	
(Q) Final Hydrostatic Mud	2494	2478	PSI	Initial Shut-in <u>120</u>	Jars ✓ <u>200.00</u>	
				Final Flow <u>60</u>	Safety Joint ✓ <u>50.00</u>	
				Final Shut-in <u>120</u>	Straddle ✓ <u>250.00</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 Scott Burbee

Circ. Sub \_\_\_\_\_  
 Sampler \_\_\_\_\_  
 Extra Packer ✓ 150.00  
 Elec. Rec. ✓ 150.00  
 Mileage 55.00  
 Other \_\_\_\_\_  
**TOTAL PRICE \$ 1705.00**

CHART PAGE



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

TRILOBITE TESTING L.L.C.

OPERATOR : Raydon Exploration DATE 9-30-00  
 WELL NAME: Eva 2-3 KB 0.00 ft TICKET NO: 13075 DST #3  
 LOCATION : 3-34s-32w Seward co KS GR 0.00 ft FORMATION: Morrow  
 INTERVAL : 5888.00 To 5928.00 ft TD 5928.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	13277	13277	3026			PF Fr. 1123 to 1153 hr
SI 60	Range(Psi )	4125.0	4125.0	4995.0	0.0	0.0	IS Fr. 1153 to 1253 hr
SF 60	Clock(hrs)	18hr	18hr	elect			SF Fr. 1253 to 1353 hr
FS 120	Depth(ft )	5928.0	5928.0	5896.0	0.0	0.0	FS Fr. 1353 to 1553 hr

	Field	1	2	3	4	
A. Init Hydro	2851.0	2837.0	2793.0	0.0	0.0	T STARTED 0918 hr
B. First Flow	86.0	96.0	24.0	0.0	0.0	T ON BOTM 1122 hr
B1. Final Flow	86.0	91.0	35.0	0.0	0.0	T OPEN 1123 hr
C. In Shut-in	609.0	629.0	591.0	0.0	0.0	T PULLED 1553 hr
D. Init Flow	97.0	116.0	35.0	0.0	0.0	T OUT 1620 hr
E. Final Flow	97.0	107.0	50.0	0.0	0.0	
F. Fl Shut-in	794.0	800.0	796.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2800.0	2823.0	2763.0	0.0	0.0	Tool Wt. 2000.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 24000.00 lbs

RECOVERY

Tot Fluid 62.00 ft of 62.00 ft in DC and 0.00 ft in DP  
 62.00 ft of 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

Initial Str Wt 86000.00 lbs  
 Unseated Str Wt 88000.00 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 297.00 ft  
 D.P. Length 5573.00 ft

SALINITY 2200.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:  
 Fair blow bottom of bucket in 1 1/2 minutes.  
 Initial Shut-In:  
 No blow back.  
 Final Flow:  
 Fair blow bottom of bucket in 30 seconds. Died slightly back to fair.  
 Final Shut-In:  
 No blow back

MUD DATA-----  
 Mud Type chemical  
 Weight 9.00 lb/c  
 Vis. 43.00 S/L  
 W.L. 7.40 in3  
 F.C. 0.00 in  
 Mud Drop

Amt. of fill 0.00 ft  
 Btm. H. Temp. 140.00 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:  
 SENT TO:

Test Successful: Y

\*\*\* TOOL DIAGRAM \*\*\* CONVENTIONAL

WELL NAME: Eva 2-3

LOCATION : 3-34s-32w Seward co KS

TICKET No. 13075 D.S.T. No. 3 DATE 9-30-00

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 27

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR ..... 40

TOTAL TOOL ..... 67

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.Stands5 Single Total 297

D.P. ABOVE TOOLS.Stands88 Single 1 Total 5573

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5937

TOTAL DEPTH ..... 5928

TOTAL DRILL PIPE ABOVE K.B. .... 9

REMARKS:

H	P.O. SUB top of tool	5861
H	C.O. SUB 1'	5862
H	S.I. TOOL 5'	5867
H		
H	HMV 5'	5872
H	JARS 5'	5877
H		
H	SAFETY JOINT 2'	5879
H	PACKER 5' shale	5884
H	PACKER 5' shale	5888
H	DEPTH 5888	
H	1'	5889
H	ANCHOR	
H	2' perf	5891
H		
H	Alpine Rec.	5896
H		
H	5' PU sub	5896
H		
H		
H	27' perf	5923
H		
H	Ak1 Rec.	5928
H		
H	BULLNOSE	
H	T.D. 5'	5928



# TEST HISTORY

13075 DST#3 Eva 2-3 Raydon Exploration Inc.

Flag Points

t (Min.) P (PSIg)

A:	0.00	2793.90
B:	0.00	24.48
C:	29.00	35.03
D:	57.50	591.05
E:	0.00	35.99
F:	60.00	50.55
G:	119.00	796.91
Q:	0.00	2763.52

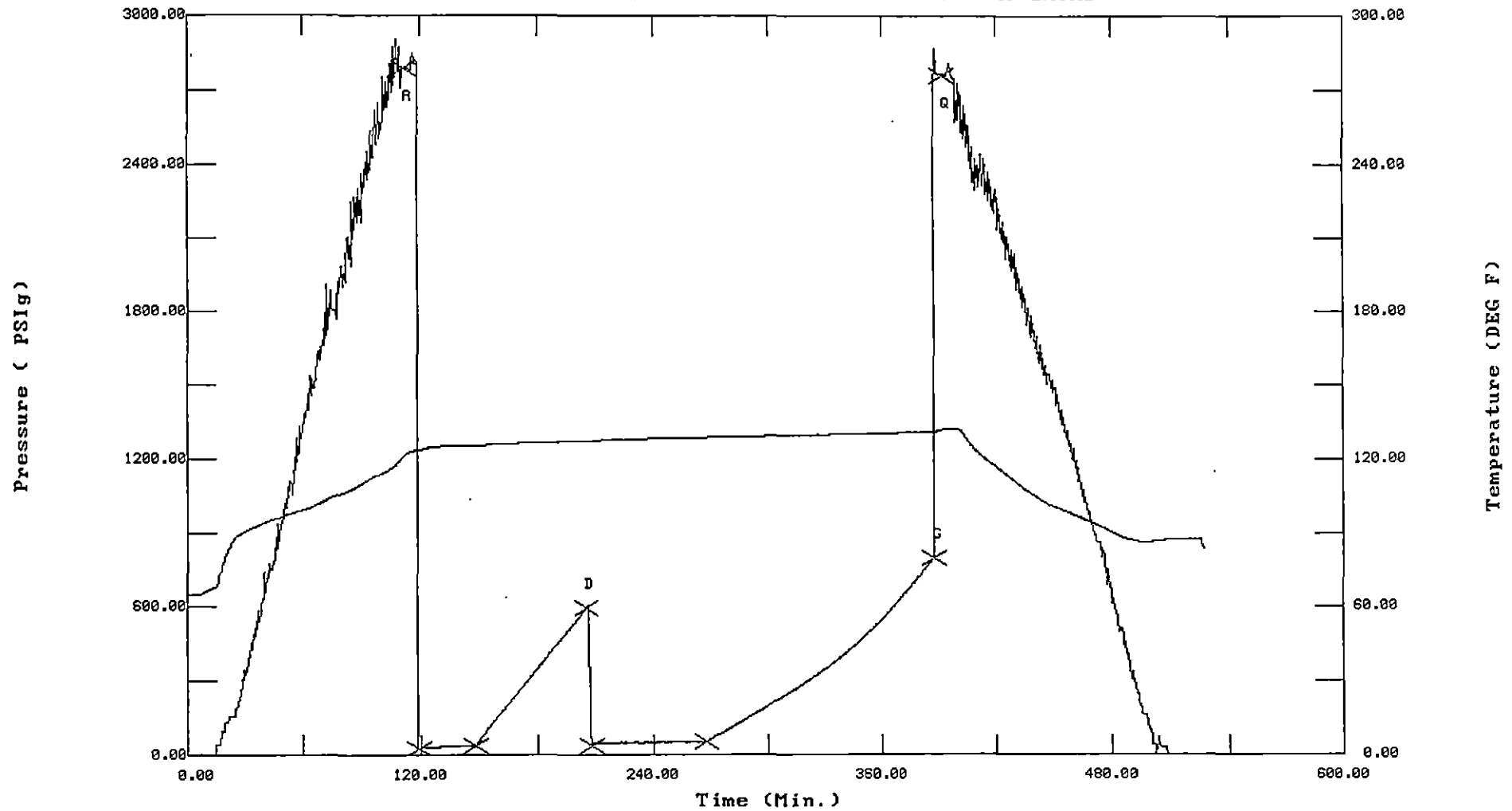
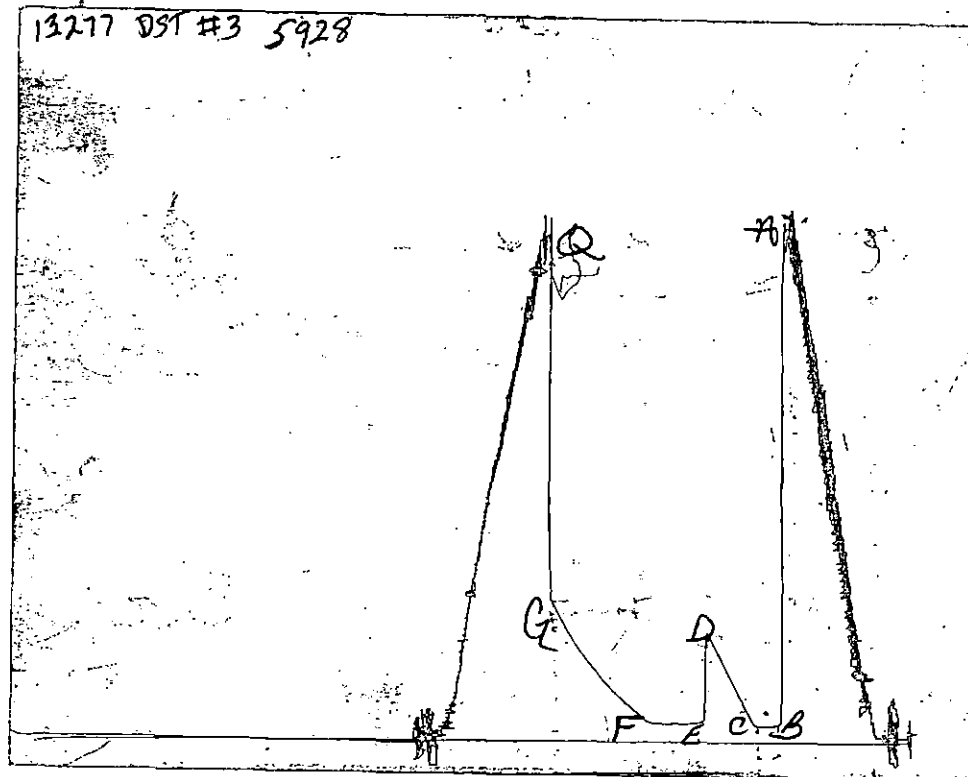


CHART PAGE



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

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

No. 13075

## Test Ticket

Well Name & No. <u>EVA 2-3</u>		Test No. <u>3</u>	Date <u>9-30-60</u>
Company <u>Raydon Exploration Inc.</u>		Zone Tested <u>Morrow</u>	
Address <u>9406 N. Broadway Ste. 400 OK City OK, 73114</u>		Elevation _____	KB _____ GL _____
Co. Rep / Geo. <u>Ed Grieves</u>	Cont. <u>Big A 1</u>	Est. Ft. of Pay _____	Por. _____ %
Location: Sec. <u>3</u>	Twp. <u>34S</u>	Rge. <u>32W</u>	Co. <u>Seward</u> State <u>Ks.</u>
No. of Copies _____	Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____	Evaluation (Y, N) _____

Interval Tested <u>5888-5928</u>	Initial Str Wt./Lbs. <u>86,000</u>	Unseated Str Wt./Lbs. <u>88,000</u>
Anchor Length <u>40'</u>	Wt. Set Lbs. <u>24,000</u>	Wt. Pulled Loose/Lbs. <u>110,000</u>
Top Packer Depth <u>5883</u>	Tool Weight <u>2000</u>	
Bottom Packer Depth <u>5888</u>	Hole Size — <u>7 7/8" ✓</u>	Rubber Size — <u>6 3/4" ✓</u>
Total Depth <u>5928</u>	Wt. Pipe Run _____	Drill Collar Run <u>297</u>
Mud Wt. <u>9.0</u> LCM <u>3</u> Vis. <u>43</u> WL <u>7.4</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>5573</u>

Blow Description Fair blow B.O.B. in 1 1/2 min.  
No blow back  
2nd open Fair blow B.O.B. in 30 sec. Divd slightly came back to Fair  
No blow back

Recovery — Total Feet <u>62</u>	GIP _____	Ft. in DC <u>62</u>	Ft. in DP _____
Rec. <u>62</u> Feet Of <u>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 <u>140</u> °F Gravity _____	°API D@ _____	°F Corrected Gravity _____	°API _____
RW _____ @ _____ °F	Chlorides _____ ppm	Recovery Chlorides <u>2200</u> ppm	System _____

	AK-1	Alpine				
(A) Initial Hydrostatic Mud	<u>2861</u>	<u>2793</u>	PSI	Recorder No. <u>3026</u>	T-On Location <u>6:45 A.M.</u>	
(B) First Initial Flow Pressure	<u>86</u>	<u>24</u>	PSI	(depth) <u>5896</u>	T-Started <u>9:18 A.M.</u>	
(C) First Final Flow Pressure	<u>86</u>	<u>35</u>	PSI	Recorder No. <u>13277</u>	T-Open <u>11:23 A.M.</u>	
(D) Initial Shut-In Pressure	<u>609</u>	<u>591</u>	PSI	(depth) <u>5928</u>	T-Pulled <u>2:53 P.M.</u>	
(E) Second Initial Flow Pressure	<u>97</u>	<u>35</u>	PSI	Recorder No. _____	T-Out <u>6:20 P.M.</u>	
(F) Second Final Flow Pressure	<u>97</u>	<u>50</u>	PSI	(depth) _____	T-Off Location _____	
(G) Final Shut-in Pressure	<u>794</u>	<u>796</u>	PSI	Initial Opening <u>30</u>	Test <u>✓</u> <u>850 °C</u>	
(Q) Final Hydrostatic Mud	<u>2800</u>	<u>2763</u>	PSI	Initial Shut-in <u>60</u>	Jars <u>✓</u> <u>200 °C</u>	
				Final Flow <u>60</u>	Safety Joint <u>✓</u> <u>50 °C</u>	
				Final Shut-in <u>120</u>	Straddle _____	
					Circ. Sub <u>✓</u> <u>n/c</u>	
					Sampler _____	
					Extra Packer _____	
					Elec. Rec. <u>✓</u> <u>150 °C</u>	
					Mileage <u>55.00</u>	
					Other <u>2 shale Packers</u> <u>300.00</u>	
					TOTAL PRICE \$ <u>1685.00</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 *Ed Grieves*  
 Our Representative Scott Bugbee

TRILOBITE TESTING L.L.C.

OPERATOR : Raydon Exploration Inc.  
 WELL NAME: Eva 2-3  
 LOCATION : 3-32s-34w Seward co KS  
 INTERVAL : 5944.00 To 6019.00 ft

DATE 10-1-00

KB 0.00 ft TICKET NO: 13126 DST #4  
 GR 0.00 ft FORMATION: Chester  
 TD 6019.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	13277	13277	3026			PF Fr. 1801 to 1831 hr
SI 60	Range(Psi )	4125.0	4125.0	4995.0	0.0	0.0	IS Fr. 1831 to 1931 hr
SF 60	Clock(hrs)	18hr	18hr	elect			SF Fr. 1931 to 2031 hr
FS 120	Depth(ft )	6019.0	6019.0	5952.0	0.0	0.0	FS Fr. 2031 to 2231 hr

	Field	1	2	3	4	
A. Init Hydro	2902.0	2892.0	2890.0	0.0	0.0	T STARTED 1536 hr
B. First Flow	97.0	114.0	29.0	0.0	0.0	T ON BOTM 1800 hr
B1. Final Flow	97.0	107.0	35.0	0.0	0.0	T OPEN 1801 hr
C. In Shut-in	183.0	207.0	152.0	0.0	0.0	T PULLED 2231 hr
D. Init Flow	108.0	129.0	33.0	0.0	0.0	T OUT 0135 hr
E. Final Flow	108.0	111.0	41.0	0.0	0.0	
F. Fl Shut-in	183.0	216.0	148.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2830.0	2833.0	2803.0	0.0	0.0	Tool Wt. 2000.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 24000.00 lbs

RECOVERY

Tot Fluid 30.00 ft of 30.00 ft in DC and 0.00 ft in DP  
 30.00 ft of 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 2100.00 P.P.M. A.P.I. Gravity 0.00

TOOL DATA-----  
 Tool Wt. 2000.00 lbs  
 Wt Set On Packer 24000.00 lbs  
 Wt Pulled Loose 120000.00 lbs  
 Initial Str Wt 90000.00 lbs  
 Unseated Str Wt 90000.00 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 297.00 ft  
 D.P. Length 5633.00 ft

BLOW DESCRIPTION

Initial Flow:  
 Weak blow built to bottom of bucket  
 in 4 minutes. Maintained  
 Initial Shut-In:  
 No blow back.  
 Final Flow:  
 Weak blow built to 2"  
 Final Shut-In:  
 No blow back.

MUD DATA-----  
 Mud Type Chemical  
 Weight 9.00 lb/c  
 Vis. 51.00 S/L  
 W.L. 6.80 in3  
 F.C. 0.00 in  
 Mud Drop  
 Amt. of fill 0.00 ft  
 Btm. H. Temp. 140.00 F  
 Hole Condition  
 % 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:  
 SENT TO:

Test Successful: Y

\*\*\* TOOL DIAGRAM \*\*\* CONVENTIONAL

WELL NAME: Eva 2-3	P.O. SUB top of tool	5917
	C.O. SUB 1'	5918
LOCATION : 3-32s-34w Seward co KS	S.I. TOOL 5'	5923
TICKET No. 13126 D.S.T. No. 4 DATE 10-1-00		
TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 27	HMV 5'	5928
INTERVAL TOOL .....		
BOTTOM PACKERS AND ANCHOR ..... 44	JARS 5'	5933
TOTAL TOOL ..... 71		
DRILL COLLAR ANCHOR IN INTERVAL .....		
D.C. ANCHOR STND.Stands Single Total	SAFETY JOINT 2'	5935
D.P. ANCHOR STND.Stands Single 1 Total 31	PACKER 5'	5940
TOTAL ASSEMBLY ..... 102	PACKER 5' shale	5944
D.C. ABOVE TOOLS.Stands5 Single Total 297	DEPTH 5944	
D.P. ABOVE TOOLS.Stands90 Single Total 5633	1'	5945
TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 6032	ANCHOR	
	2' perf	5947
TOTAL DEPTH ..... 6019		
TOTAL DRILL PIPE ABOVE K.B. .... 13	Alpine Rec.	5952
REMARKS:	5' pu sub	5952
	29' perf	5981
	1' c/o sub	5982
	31' pipe	6013
	1' c/o su	6014
	Ak1 Rec.	6019
	BULLNOSE	
	T.D. 5'	6019

# TEST HISTORY

13126 DST #4 Eva 2-3 Raydon Exploration Inc.

Flag Points

	t (Min.)	P (PSig)
R:	0.00	2890.98
B:	0.00	29.78
C:	27.00	35.47
D:	80.00	152.93
E:	0.00	33.51
F:	55.00	41.36
G:	126.50	148.87
Q:	0.00	2803.10

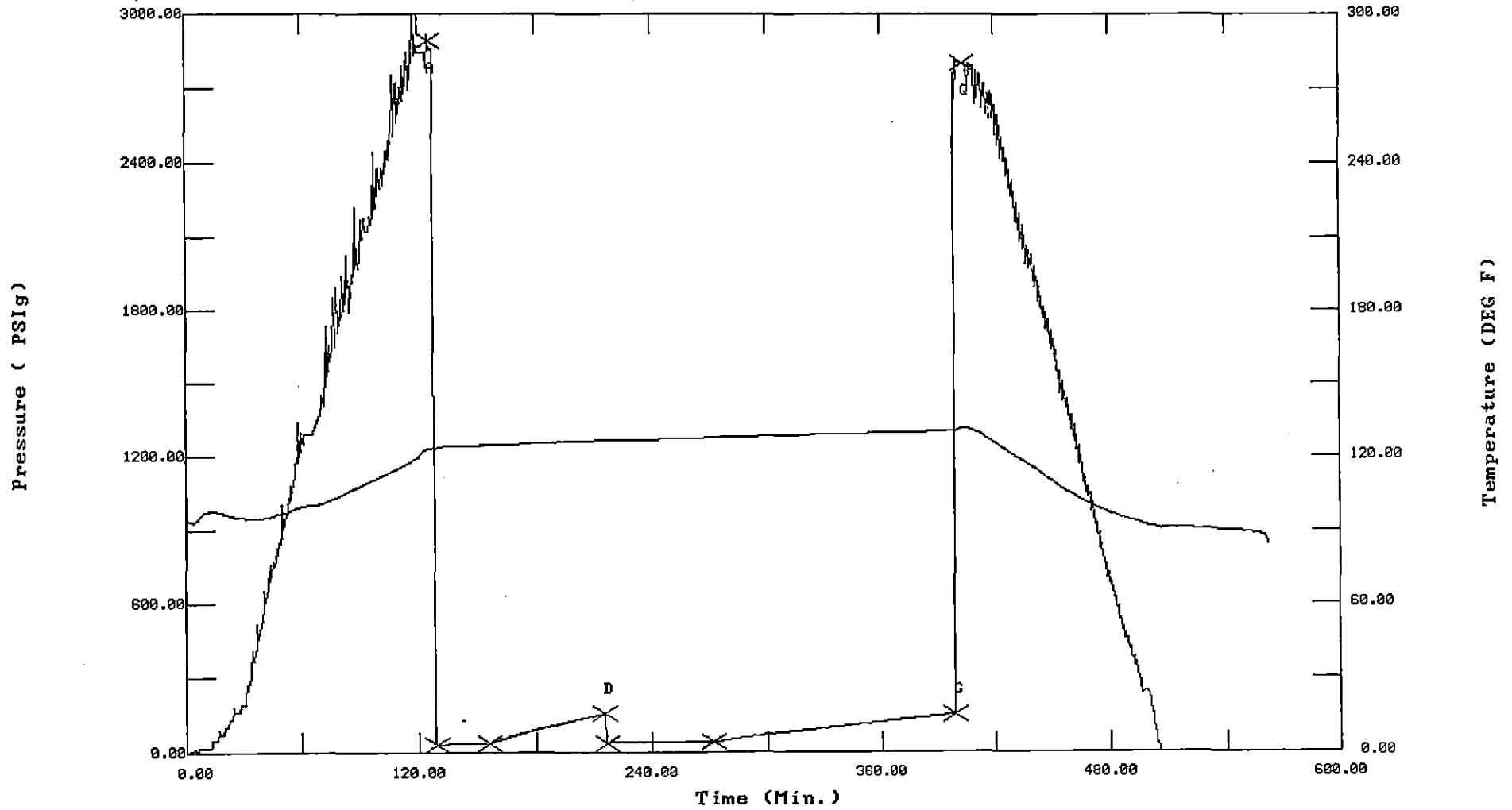
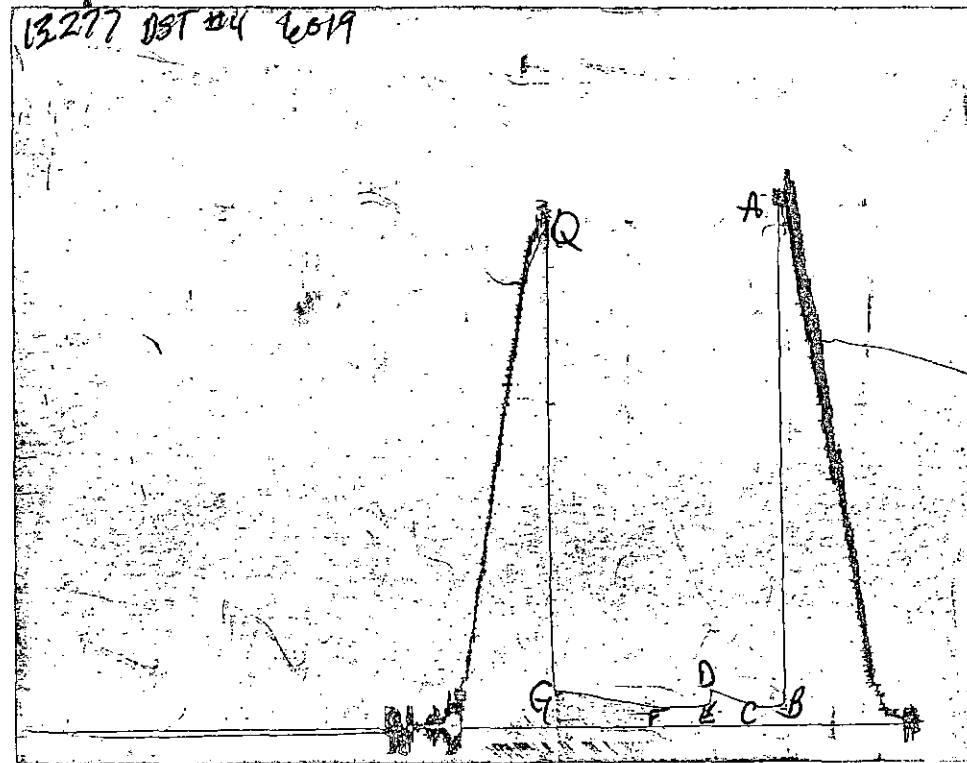


CHART PAGE



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

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

No 13126

## Test Ticket

Well Name & No. <u>EVA 2-3</u>		Test No. <u>4</u>	Date <u>10-1-90</u>
Company <u>Raydon Exploration Inc.</u>		Zone Tested <u>Chester</u>	
Address <u>Okla. City OK. 73114</u>		Elevation _____	KB _____ GL _____
Co. Rep/Geo. <u>Ed Grieves</u>	Cont. <u>Big A Rig 1</u>	Est. Ft. of Pay _____	Por. _____ %
Location: Sec. <u>3</u>	Twp. <u>34S</u>	Rge. <u>32W</u>	Co. <u>Seward</u> State <u>KS.</u>
No. of Copies _____	Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____	Evaluation (Y, N) _____

Interval Tested <u>5944-6019</u>	Initial Str Wt./Lbs. <u>90,000</u>	Unseated Str Wt./Lbs. <u>90,000</u>
Anchor Length <u>75'</u>	Wt. Set Lbs. <u>24,000</u>	Wt. Pulled Loose/Lbs. <u>120,000</u>
Top Packer Depth <u>5939</u>	Tool Weight <u>2000</u>	
Bottom Packer Depth <u>5944</u>	Hole Size — 7 7/8" <input checked="" type="checkbox"/>	Rubber Size — 6 3/4" <input checked="" type="checkbox"/>
Total Depth <u>6019</u>	Wt. Pipe Run _____	Drill Collar Run <u>2975</u>
Mud Wt. <u>9.6</u> LCM <u>4</u> Vis. <u>51</u> WL <u>6.8</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>5633<sup>90</sup></u>
Blow Description <u>1<sup>st</sup> open weak blow built to B.O.B. in 4 min. never built</u>		
<u>No blow back</u>		
<u>2<sup>nd</sup> open weak blow built to 2"</u>		
<u>No blow back</u>		

Recovery — Total Feet <u>30</u>	GIP _____	Ft. in DC _____	Ft. in DP _____
Rec. <u>30</u> Feet Of <u>Mad</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 <u>140</u> °F Gravity _____	°API D@ _____	°F Corrected Gravity _____	°API _____
RW _____ @ _____	°F Chlorides _____	ppm Recovery _____	Chlorides <u>2100</u> ppm System _____

(A) Initial Hydrostatic Mud	AK-1 <u>2902</u>	Alpine <u>2890</u>	PSI Recorder No. <u>3026</u>	T-On Location <u>2:30 P.M.</u>
(B) First Initial Flow Pressure	<u>97</u>	<u>29</u>	PSI (depth) <u>5952</u>	T-Started <u>3:36 P.M.</u>
(C) First Final Flow Pressure	<u>97</u>	<u>35</u>	PSI Recorder No. <u>13277</u>	T-Open <u>6:01 P.M.</u>
(D) Initial Shut-In Pressure	<u>183</u>	<u>152</u>	PSI (depth) <u>6019</u>	T-Pulled <u>10:31 P.M.</u>
(E) Second Initial Flow Pressure	<u>108</u>	<u>33</u>	PSI Recorder No. _____	T-Out _____
(F) Second Final Flow Pressure	<u>108</u>	<u>41</u>	PSI (depth) _____	T-Off Location _____
(G) Final Shut-in Pressure	<u>183</u>	<u>148</u>	PSI Initial Opening <u>30</u>	Test <input checked="" type="checkbox"/> <u>950<sup>00</sup></u>
(Q) Final Hydrostatic Mud	<u>2830</u>	<u>2803</u>	PSI Initial Shut-in <u>60</u>	Jars <input checked="" type="checkbox"/> <u>200<sup>00</sup></u>
			Final Flow <u>60</u>	Safety Joint <input checked="" type="checkbox"/> <u>50<sup>00</sup></u>
			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 Edin K. Grieves

Our Representative Scott Bugbee

Circ. Sub

Sampler \_\_\_\_\_

Extra Packer \_\_\_\_\_

Elec. Rec.  150<sup>00</sup>

Mileage 55<sup>00</sup>

Other Stake packer 150<sup>00</sup>

TOTAL PRICE \$ 1553<sup>00</sup>



TRILOBITE TESTING L.L.C.

OPERATOR : Raydon Exploration Ic. DATE 10-4-00  
 WELL NAME: EVA 2-3 KB 0.00 ft TICKET NO: 13127 DST #5  
 LOCATION : 3-34s-32w GR 0.00 ft FORMATION: St. Louis  
 INTERVAL : 6385.00 To 6420.00 ft TD 6420.00 ft TEST TYPE: COVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13277	13277	3026			PF Fr. 0912 to 0942 hr
SI 60 Range(Psi )	4125.0	4125.0	4995.0	0.0	0.0	IS Fr. 0942 to 1042 hr
SF 30 Clock(hrs)	18hr	18hr	elect			SF Fr. 1042 to 1112 hr
FS 120 Depth(ft )	6420.0	6420.0	6392.0	0.0	0.0	FS Fr. 1112 to 1312 hr

	Field	1	2	3	4	
A. Init Hydro	2973.0	3034.0	3038.0	0.0	0.0	T STARTED 0700 hr
B. First Flow	64.0	41.0	21.0	0.0	0.0	T ON BOTM 0910 hr
B1. Final Flow	64.0	41.0	41.0	0.0	0.0	T OPEN 0912 hr
C. In Shut-in	1852.0	1836.0	1865.0	0.0	0.0	T PULLED 1342 hr
D. Init Flow	97.0	67.0	43.0	0.0	0.0	T OUT 1550 hr
E. Final Flow	97.0	67.0	59.0	0.0	0.0	
F. Fl Shut-in	1925.0	1910.0	1930.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2902.0	2947.0	2980.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 26000.00 lbs

RECOVERY

Tot Fluid 70.00 ft of 70.00 ft in DC and 0.00 ft in DP  
 70.00 ft of mud 100%  
 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 2100.00 P.P.M. A.P.I. Gravity 0.00

Wt Pulled Loose 110000.00 lbs  
 Initial Str Wt 98000.00 lbs  
 Unseated Str Wt 98000.00 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 297.00 ft  
 D.P. Length 6065.00 ft

MUD DATA-----

Mud Type chemical  
 Weight 9.00 lb/c  
 Vis. 47.00 S/L  
 W.L. 6.40 in3  
 F.C. 0.00 in  
 Mud Drop

BLOW DESCRIPTION

1st open weak blow built to 2.5"

No blow back

2nd open no blow

Amt. of fill 0.00 ft  
 Btm. H. Temp. 140.00 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 Grievess  
 Contr. Big A  
 Rig # 1  
 Unit #  
 Pump T.

SAMPLES:  
 SENT TO:

Test Successful: Y

\*\*\* TOOL DIAGRAM \*\*\* COVENTIONAL

WELL NAME: EVA 2-3		P.O. SUB top of tool	6358
		C.O. SUB 1' DP	6359
LOCATION : 3-34s-32w		S.I. TOOL 5'	6364
TICKET No. 13127	D.S.T. No. 5	DATE 10-4-00	
TOTAL TOOL TO BOTTOM OF TOP PACKERS	.....	27	
INTERVAL TOOL	.....		
BOTTOM PACKERS AND ANCHOR	.....	35	
TOTAL TOOL	.....	62	
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	5	Single
D.P. ABOVE TOOLS.	Stands	98	Single
TOTAL DRILL COLLARS DRILL PIPE & TOOLS	..	6424	
TOTAL DEPTH	.....	6420	
TOTAL DRILL PIPE ABOVE K.B.	.....	4	
REMARKS:			
oil speced mud in tool			
		SAFETY JOINT 2'	6376
		PACKER 5'	6381
		PACKER 5'	6385
		DEPTH 6385	
		1'	6386
		ANCHOR	
		1' perf	6387
		Alpine Rec.	6392
		5' PU sub	6392
		23' perf	6415
		Ak1 Rec.	6420
		BULLNOSE	
		T.D. 5'	6420

# TEST HISTORY

13127 DST#5 EVA 2-3 Raydon Exploration Inc.

Flag Points  
t (Min.) P (PSig)

A:	0.00	3038.12
B:	0.00	21.79
C:	29.50	41.06
D:	58.50	1865.46
E:	0.00	43.42
F:	38.50	59.10
G:	120.00	1930.35
Q:	0.00	2988.82

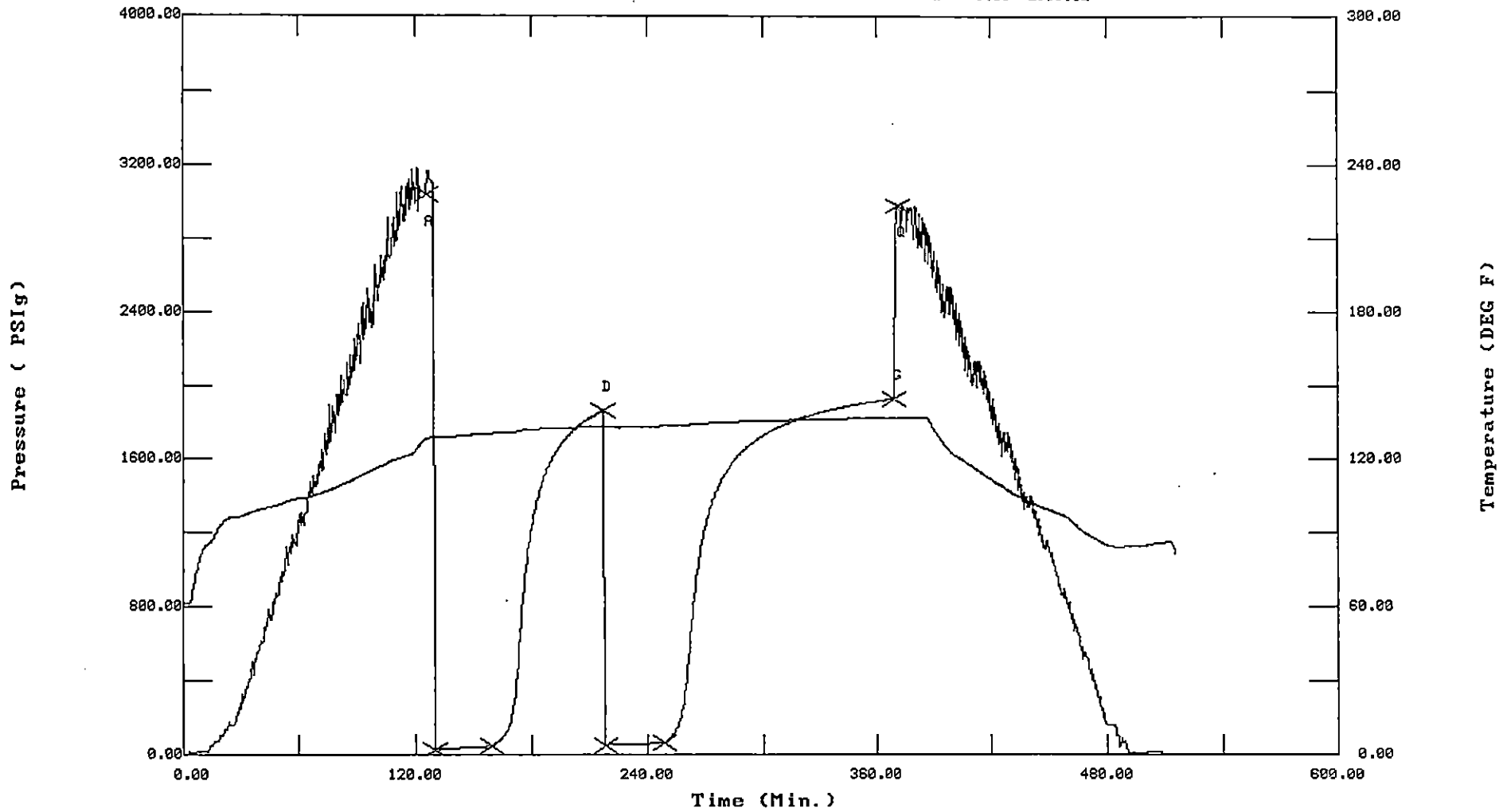
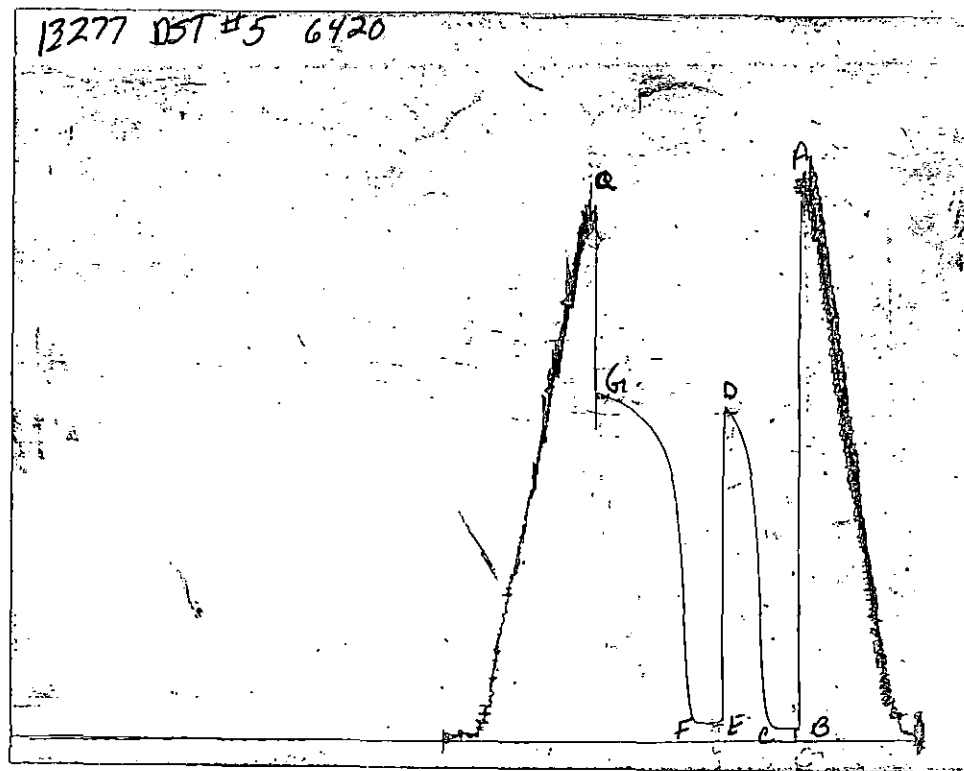


CHART PAGE



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

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

No 13127

## Test Ticket

Well Name & No. <u>EVA 2-3</u>	Test No. <u>#5</u>	Date <u>10-4-00</u>
Company <u>Raydon Exploration Inc.</u>	Zone Tested <u>St. Louis</u>	
Address <u>OK, Coty OK, 73114</u>	Elevation _____	KB _____ GL _____
Co. Rep / Geo. <u>Ed Grievus</u>	Cont. <u>Brq A Reg 1</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>3</u>	Twp. <u>34S</u>	Rge. <u>32W</u> Co. <u>Seward</u> State <u>KS</u>
No. of Copies _____	Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested <u>6385-6420</u>	Initial Str Wt./Lbs. <u>98,000</u>	Unseated Str Wt./Lbs. <u>98,000</u>
Anchor Length <u>35'</u>	Wt. Set Lbs. <u>26,000</u>	Wt. Pulled Loose/Lbs. <u>110,000</u>
Top Packer Depth <u>6380</u>	Tool Weight <u>1800</u>	
Bottom Packer Depth <u>6385</u>	Hole Size — 7 7/8" <input checked="" type="checkbox"/>	Rubber Size — 6 3/4" <input checked="" type="checkbox"/>
Total Depth <u>6420</u>	Wt. Pipe Run _____	Drill Collar Run <u>2975'</u>
Mud Wt. <u>9.0</u> LCM <u>4</u> Vis. <u>47</u> WL <u>6.4</u>	Drill Pipe Size <u>4 1/2 x 4'</u>	Ft. Run <u>6065'</u>
Blow Description <u>1<sup>st</sup> open weak blow built to 2 1/2"</u> <u>No blow back</u> <u>2<sup>nd</sup> open no blow</u> <u>Saw specs of oil when drained <del>to 100'</del> +100'</u>		

Recovery — Total Feet <u>70</u>	GIP _____	Ft. in DC <u>70</u>	Ft. in DP _____
Rec. <u>70</u> Feet Of <u>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 <u>140</u> °F Gravity _____	*API D@ _____	*F Corrected Gravity _____	*API _____
RW _____ @ _____ °F	Chlorides _____ ppm	Recovery Chlorides <u>2100</u> ppm	System _____

(A) Initial Hydrostatic Mud	AK-1 <u>2973</u>	Alpine <u>3038</u>	PSI Recorder No. <u>3026</u>	T-On Location <u>5:00 A.M.</u>
(B) First Initial Flow Pressure	<u>64</u>	<u>21</u>	PSI (depth) <u>6392</u>	T-Started <u>7:00 A.M.</u>
(C) First Final Flow Pressure	<u>64</u>	<u>41</u>	PSI Recorder No. <u>13277</u>	T-Open <u>9:12 A.M.</u>
(D) Initial Shut-In Pressure	<u>1852</u>	<u>1865</u>	PSI (depth) <u>6420</u>	T-Pulled <u>1:12 P.M.</u>
(E) Second Initial Flow Pressure	<u>97</u>	<u>43</u>	PSI Recorder No. _____	T-Out _____
(F) Second Final Flow Pressure	<u>97</u>	<u>59</u>	PSI (depth) _____	T-Off Location _____
(G) Final Shut-in Pressure	<u>1925</u>	<u>1930</u>	PSI Initial Opening <u>30</u>	Test <input checked="" type="checkbox"/> <u>450<sup>00</sup></u>
(Q) Final Hydrostatic Mud	<u>2902</u>	<u>2980</u>	PSI Initial Shut-in <u>60</u>	Jars <input checked="" type="checkbox"/> <u>200<sup>00</sup></u>
			Final Flow <u>30</u>	Safety Joint <input checked="" type="checkbox"/> <u>50<sup>00</sup></u>
			Final Shut-in <u>120</u>	Straddle _____
				Circ. Sub <input checked="" type="checkbox"/>
				Sampler _____
				Extra Packer _____
				Elec. Rec. <input checked="" type="checkbox"/> <u>150<sup>00</sup></u>
				Mileage <u>55<sup>00</sup></u>
				Other _____
				TOTAL PRICE \$ _____

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Approved By Ed Grievus  
Our Representative Scott Bugbee