

15-167-23166

TRILOBITE TESTING L.L.C.

22-11-15w

OPERATOR : E.S.P. Development, Inc.
 WELL NAME: Eulert #C-2
 LOCATION : 22-11-15 Russell co KS
 INTERVAL : 2699.00 To 2720.00 ft

DATE 3-24-00
 KB 1850.00 ft TICKET NO: 12033 DST #1
 GR 1845.00 ft FORMATION: Topeka
 TD 2720.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13754	13754	3024			PF Fr. 2240 to 2310 hr
SI 45 Range(Psi)	4000.0	4000.0	4995.0	0.0	0.0	IS Fr. 2310 to 2355 hr
SF 30 Clock(hrs)	12	12	elect			SF Fr. 2355 to 0025 hr
FS 45 Depth(ft)	2717.0	2717.0	2701.0	0.0	0.0	FS Fr. 0025 to 0110 hr

	Field	1	2	3	4	
A. Init Hydro	1316.0	1254.0	1261.0	0.0	0.0	T STARTED 2048 hr
B. First Flow	19.0	26.0	26.0	0.0	0.0	T ON BOTM 2238 hr
Bl. Final Flow	19.0	15.0	37.0	0.0	0.0	T OPEN 2240 hr
C. In Shut-in	739.0	731.0	767.0	0.0	0.0	T PULLED 0110 hr
D. Init Flow	49.0	40.0	42.0	0.0	0.0	T OUT 0330 hr
E. Final Flow	49.0	34.0	47.0	0.0	0.0	
F. Fl Shut-in	719.0	713.0	744.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1266.0	1209.0	1233.0	0.0	0.0	Tool Wt. 800.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 80000.00 lbs
						Initial Str Wt 32000.00 lbs
						Unseated Str Wt 32000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 0.00 in
						D. Pipe ID 3.80 in
						D.C. Length 0.00 ft
						D.P. Length 2684.00 ft

RECOVERY

Tot Fluid 90.00 ft of 0.00 ft in DC and 90.00 ft in DP
 755.00 ft of Gas in pipe.
 90.00 ft of Oil cut mud
 0.00 ft of 30% oil 70% 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 bottom of bucket in 18 minutes

Final Flow:

Strong bottom of bucket in 5 minutes.

SAMPLES:

SENT TO:

MUD DATA-----
 Mud Type Chemical
 Weight 8.80 lb/cf
 Vis. 42.00 S/L
 W.L. 10.00 in3
 F.C. 0.00 in
 Mud Drop N

Amt. of fill 15.00 ft
 Btm. H. Temp. 92.00 F
 Hole Condition Poor
 % 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 Dan Bangle
 Co. Rep. Randy Kilian
 Contr. Vonfeldt
 Rig # 1
 Unit #
 Pump T.

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Eulert #C-2

LOCATION : 22-11-15 Russell co KS

TICKET No. 12033 D.S.T. No. 1 DATE 3-24-00

TOTAL TOOL TO BOTTOM OF TOP PACKERS 20

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 21

TOTAL TOOL 41

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 41

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands43 Single 1 Total 2684

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 2725

TOTAL DEPTH 2720

TOTAL DRILL PIPE ABOVE K.B. 5

REMARKS:

Slid tool 15' to bottom

P.O. SUB	2667
C.O. SUB	2679
S.I. TOOL	2685
HMV	2690
JARS n/a	
SAFETY JOINT n/a	
PACKER	2694
PACKER	2699
DEPTH 2699 1'	2700
ANCHOR Alpine @ 2701	
5' Perfs	2705
5' Perfs	2710
5' Perfs	2715
AK-1 @ 2717	
BULLNOSE 5'	2720
T.D.	2720

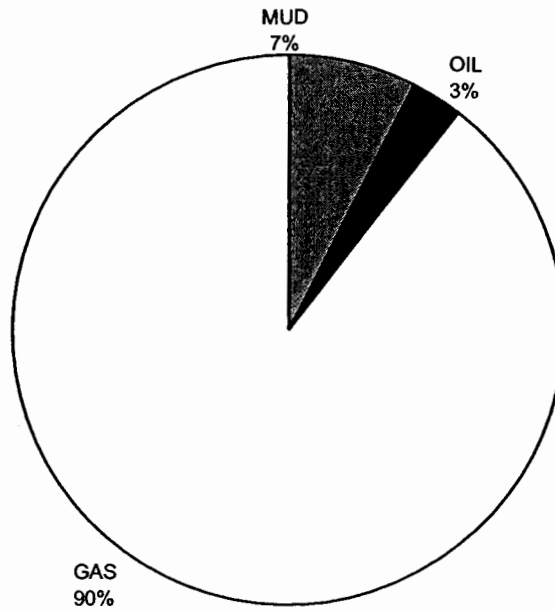
CALCULATED RECOVERY ANALYSIS

DST 1

TICKET 12033

SAMPLE		TOTAL	GAS		OIL		WATER		MUD	
#		FEET	%	FEET	%	FEET	%	FEET	%	FEET
DRILL	1	755	100	755	0	0	0	0	0	0
PIPE	2	90	0	0	30	27	0	0	70	63
	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	0	0	0	0	0	0	0	0	0
COLLARS	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
TOTAL		845	0	755	0	27	0	0	0	63

		HRS OPEN		BBL/DAY
BBL OIL=	0.38394	*	1	= 9.21456
BBL WATER=	0	*		= 0
BBL MUD=	0.89586			
BBL GAS =	10.7361			



TK# 12033 DST# 1 Euler# C-2 ESP Development, Inc.

TEST HISTORY

Flag Points
t(Min.) P(PSig)

A:	0.00	1260.50
B:	0.00	25.60
C:	33.00	37.31
D:	44.00	766.99
E:	0.00	42.36
F:	29.00	47.11
G:	44.50	744.26
H:	0.00	1233.34

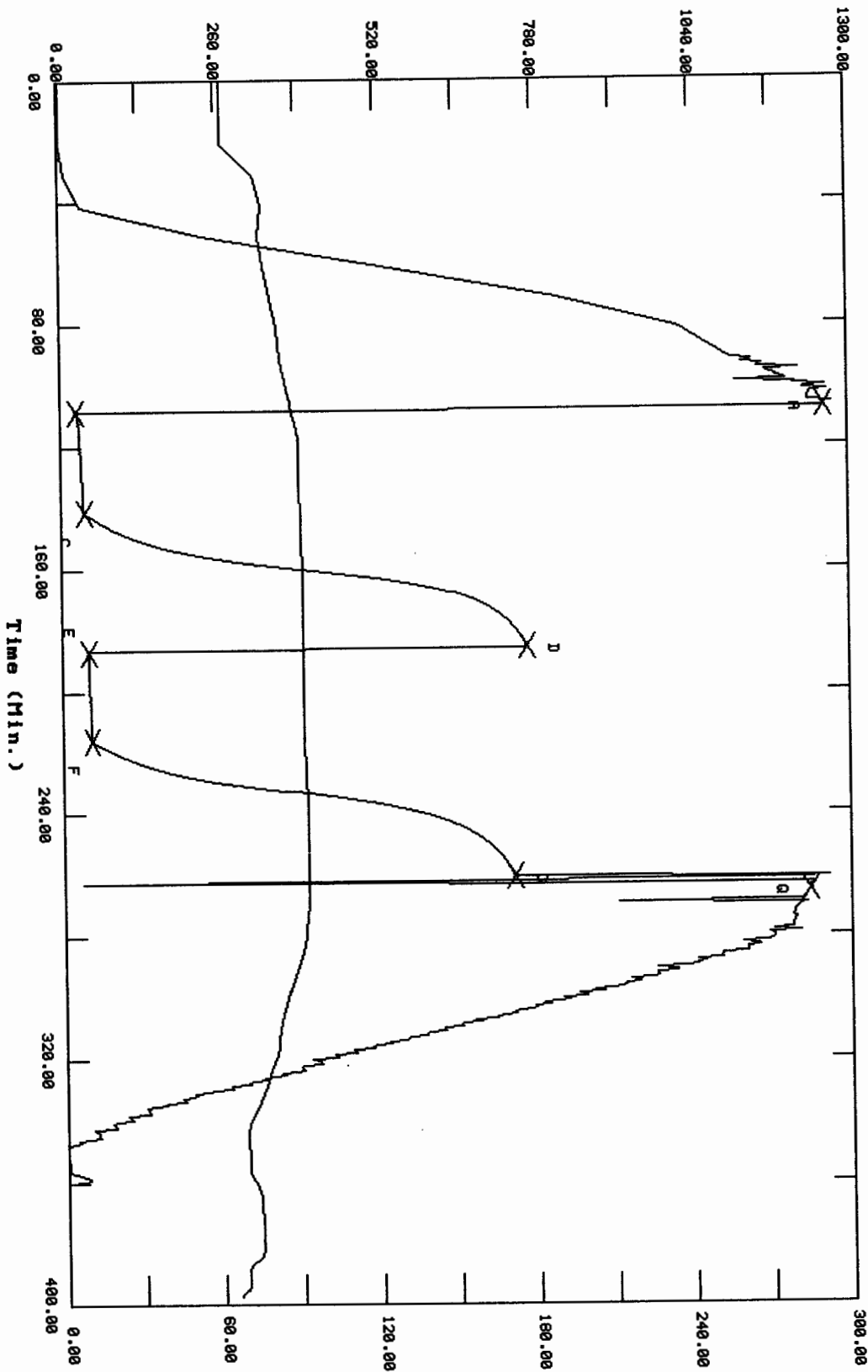
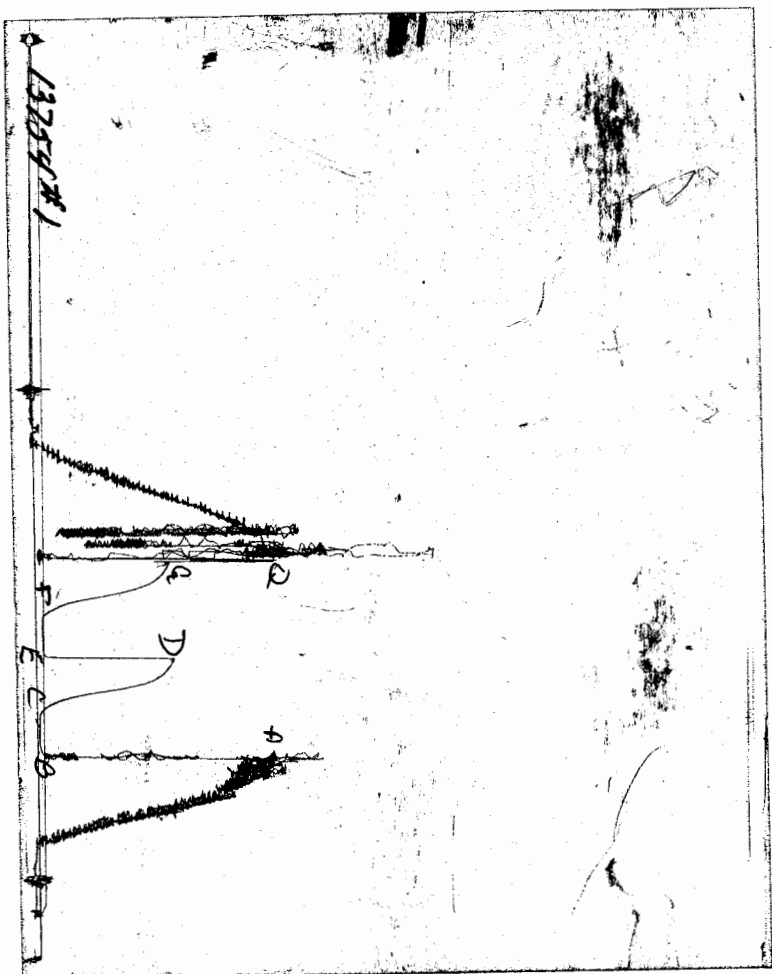


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Nº 12033

Test Ticket

Well Name & No.	<u>Euler # C-2</u>	Test No.	<u>1</u>	Date	<u>3-24-00</u>
Company	<u>E.S.P. Development, Inc</u>	Zone Tested	<u>Topeka</u>		
Address	<u>17746 171st Blvd, Paradise, KS. 67658</u>	Elevation	<u>1850</u>	KB	<u>1845</u> GL
Co. Rep / Geo.	<u>Randy Kilian</u>	Cont.	<u>Vonfeldt</u>	Est. Ft. of Pay	<u> </u> Por. <u> </u> %
Location: Sec.	<u>22</u>	Twp.	<u>11</u>	Rge.	<u>15</u>
		Co.	<u>Russell</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>2699 - 2720</u>	Initial Str Wt./Lbs.	<u>32,000</u>	Unseated Str Wt./Lbs.	<u>32,000</u>
Anchor Length	<u>21'</u>	Wt. Set Lbs.	<u>20,000</u>	Wt. Pulled Loose/Lbs.	<u>20,000</u>
Top Packer Depth	<u>2694</u>	Tool Weight	<u>800</u>		
Bottom Packer Depth	<u>2699</u>	Hole Size — 7 7/8"	<u> </u>	Rubber Size — 6 3/4"	<u> </u>
Total Depth	<u>2720</u>	Wt. Pipe Run	<u> </u>	Drill Collar Run	<u> </u>
Mud Wt.	<u>8.8</u>	LCM	<u>1/2"</u>	Vis.	<u>42</u>
		WL	<u>10</u>		
Blow Description	<u>Slide Tool 15' to bottom I.F. Strong-B.O.B in 18 min.</u>				

<u>F.F. Strong-B.O.B in 5 min.</u>					
Recovery — Total Feet	<u>90</u>	GIP	<u>755</u>	Ft. in DC	<u> </u>
		Ft. in DP	<u>90</u>		
Rec.	<u>90</u>	Feet Of	<u>OCM</u>	%gas	<u>30</u> %oil
				%water	<u>70</u> %mud
Rec.	<u> </u>	Feet Of	<u> </u>	%gas	<u> </u> %oil
				%water	<u> </u> %mud
Rec.	<u> </u>	Feet Of	<u> </u>	%gas	<u> </u> %oil
				%water	<u> </u> %mud
Rec.	<u> </u>	Feet Of	<u> </u>	%gas	<u> </u> %oil
				%water	<u> </u> %mud
BHT	<u>92</u>	°F Gravity	<u> </u>	°API D@	<u> </u>
		°F Corrected Gravity	<u> </u>	°API	<u> </u>
RW	<u> </u>	@	<u> </u>	°F Chlorides	<u> </u>
		ppm Recovery	<u> </u>	Chlorides	<u>8,000</u>
		ppm System	<u> </u>		

	AK-1	Alpine		
(A) Initial Hydrostatic Mud	<u>1316</u>	<u>1261</u>	PSI Recorder No.	<u>3024</u>
(B) First Initial Flow Pressure	<u>19</u>	<u>26</u>	PSI (depth)	<u>2701</u>
(C) First Final Flow Pressure	<u>19</u>	<u>37</u>	PSI Recorder No.	<u>13754</u>
(D) Initial Shut-In Pressure	<u>739</u>	<u>767</u>	PSI (depth)	<u>2717</u>
(E) Second Initial Flow Pressure	<u>49</u>	<u>42</u>	PSI Recorder No.	<u> </u>
(F) Second Final Flow Pressure	<u>49</u>	<u>47</u>	PSI (depth)	<u> </u>
(G) Final Shut-in Pressure	<u>719</u>	<u>744</u>	PSI Initial Opening	<u>30</u>
(Q) Final Hydrostatic Mud	<u>1266</u>	<u>1233</u>	PSI Initial Shut-in	<u>45</u>
			Final Flow	<u>30</u>
			Final Shut-in	<u>45</u>
			Test	<u>600</u>
			Jars	<u> </u>
			Safety Joint	<u> </u>
			Straddle	<u> </u>
			Circ. Sub	<u> </u>
			Sampler	<u> </u>
			Extra Packer	<u> </u>
			Elec. Rec.	<u>X</u> <u>150</u>
			Mileage	<u> </u>
			Other	<u> </u>
			TOTAL PRICE \$	<u>750</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

Our Representative Dan Bangle

TRILOBITE TESTING L.L.C.

OPERATOR : ESP Development, Inc.

DATE 3-26-00

WELL NAME: Eulert #C-2

KB 1850.00 ft

TICKET NO: 12034

DST #2

LOCATION : 22-11-15 Russell co KS

GR 1845.00 ft

FORMATION: A-E

LKC

INTERVAL : 3000.00 To 3063.00 ft

TD 3063.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13754	13754	3024			PF Fr. 0440 to 0510 hr
SI 30 Range (Psi)	4000.0	4000.0	4995.0	0.0	0.0	IS Fr. 0510 to 0540 hr
SF 45 Clock (hrs)	12	12	elect			SF Fr. 0540 to 0625 hr
FS 60 Depth (ft)	3032.0	3032.0	3002.0	0.0	0.0	FS Fr. 0625 to 0725 hr

	Field	1	2	3	4	
A. Init Hydro	1476.0	1482.0	1486.0	0.0	0.0	T STARTED 0206 hr
B. First Flow	39.0	36.0	16.0	0.0	0.0	T ON BOTM 0437 hr
B1. Final Flow	59.0	56.0	75.0	0.0	0.0	T OPEN 0440 hr
C. In Shut-in	492.0	501.0	518.0	0.0	0.0	T PULLED 0725 hr
D. Init Flow	78.0	84.0	61.0	0.0	0.0	T OUT 1000 hr
E. Final Flow	98.0	106.0	103.0	0.0	0.0	
F. Fl Shut-in	521.0	515.0	521.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1466.0	1454.0	1444.0	0.0	0.0	Tool Wt. 800.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 40000.00 lbs
						Initial Str Wt 34000.00 lbs
						Unseated Str Wt 34000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 0.00 in
						D. Pipe ID 3.80 in
						D.C. Length 0.00 ft
						D.P. Length 2998.00 ft

RECOVERY

Tot Fluid 150.00 ft of 0.00 ft in DC and 150.00 ft in DP
 150.00 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:

Weak- building to 3"

Final Flow:

Weak building to 1 1/2"

MUD DATA-----

Mud Type	Chemical
Weight	8.80 lb/cf
Vis.	38.00 S/L
W.L.	8.80 in3
F.C.	0.00 in
Mud Drop N	

Amt. of fill	0.00 ft
Btm. H. Temp.	100.00 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	Dan Bangle
Co. Rep.	Randy Kilian
Contr.	Vonfeldt
Rig #	1
Unit #	
Pump T.	

SAMPLES:

SENT TO:

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Eulert #C-2

LOCATION : 22-11-15 Russell co KS

TICKET No. 12034 D.S.T. No. 2 DATE 3-26-00

TOTAL TOOL TO BOTTOM OF TOP PACKERS 20

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 32

TOTAL TOOL 52

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single 1 Total 31

TOTAL ASSEMBLY 83

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands49 Single Total 2998

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3081

TOTAL DEPTH 3063

TOTAL DRILL PIPE ABOVE K.B. 18

REMARKS:

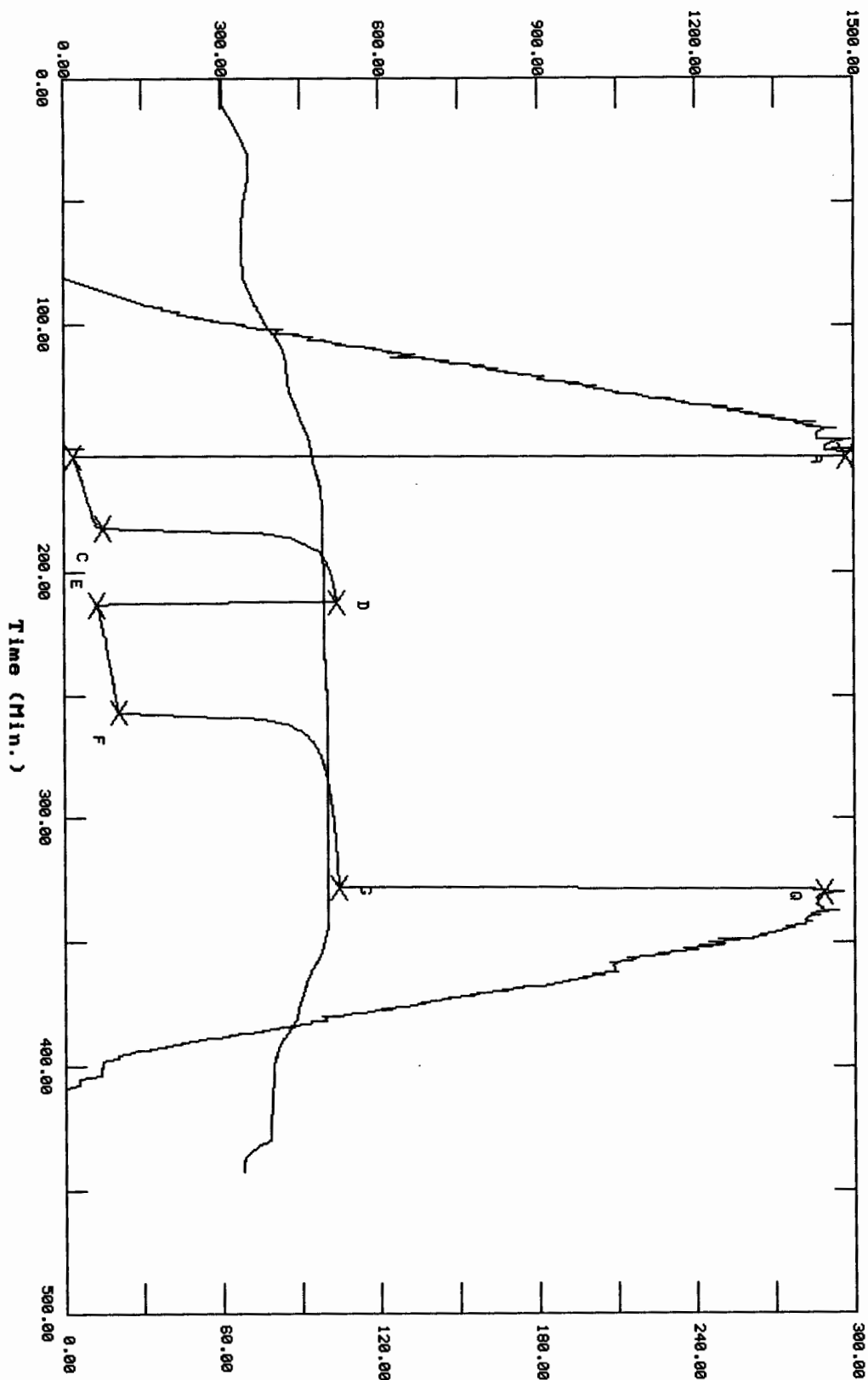
P.O. SUB	2860
C.O. SUB	2980
S.I. TOOL	2986
HMV	2991
JARS n/a	
SAFETY JOINT n/a	
PACKER	2995
PACKER	3000
DEPTH 3000	
1'	3001
ANCHOR 1' co sub	3002
Alpine @ 3002	
jt dp 31'	3033
1' co sub	3034
AK-1 @ 3032	
5' Perfs	3039
5' Perfs	3044
5' Perfs	3049
5' Perfs	3054
4' Perfs	3058
BULLNOSE 5'	3063
T.D.	3063

Tk# 12034 DST# 2 Euler# #C-2 ESP Development, Inc.

TEST HISTORY

Flag Points
t(Min.) P(PSig)

R:	0.00	1486.31
B:	0.00	16.27
C:	29.00	74.59
D:	30.00	518.37
E:	0.00	61.43
F:	43.50	102.60
G:	71.00	521.33
H:	0.00	1444.47

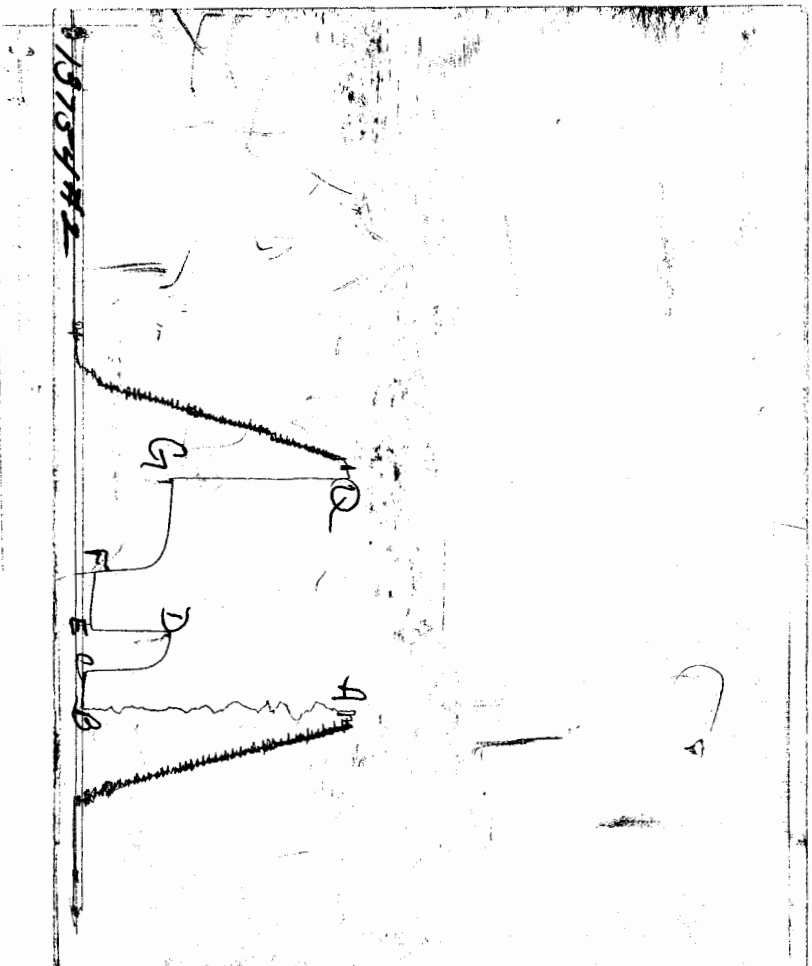


Pressure (PSig)

Temperature (DEG F)

Time (Min.)

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 12034

Test Ticket

Well Name & No. <u>Euler T #C-2</u>	Test No. <u>2</u>	Date <u>3-26-00</u>
Company <u>E.S.P. Development, Inc</u>	Zone Tested <u>A-E</u>	<u>LKC</u>
Address _____	Elevation <u>1850</u>	KB <u>1845</u> GL
Co. Rep / Geo. <u>Randy Kilian</u>	Cont. <u>Konfeldt</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>22</u>	Twp. <u>11</u>	Rge. <u>15</u>
Co. <u>Russell</u>	State <u>Ks</u>	
No. of Copies _____	Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____
	Evaluation (Y, N) _____	

Interval Tested 3000 - 3063 Initial Str Wt./Lbs. 34,000 Unseated Str Wt./Lbs. 34,000
 Anchor Length 63' Wt. Set Lbs. 29,200 Wt. Pulled Loose/Lbs. 49,000
 Top Packer Depth 2995 Tool Weight 800
 Bottom Packer Depth 3000 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 3063 Wt. Pipe Run _____ Drill Collar Run _____
 Mud Wt. 8.8 LCM 1/2" Vis. 38 WL 8.8 Drill Pipe Size 4.5 X 11/2 Ft. Run 2998
 Blow Description I.F. Weak-building to 3"

F.F. Weak-building to 1 1/2"

Recovery — Total Feet 150 GIP _____ Ft. in DC _____ Ft. in DP 150
 Rec. 150 Feet Of D.M. %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 100 °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 19,000 ppm System

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>1476</u>	<u>1486</u>		<u>3024</u>	<u>00:30</u>
(B) First Initial Flow Pressure	<u>39</u>	<u>16</u>	PSI	(depth) <u>3002</u>	T-Started <u>02:06</u>
(C) First Final Flow Pressure	<u>59</u>	<u>75</u>	PSI	Recorder No. <u>13754</u>	T-Open <u>04:40</u>
(D) Initial Shut-In Pressure	<u>492</u>	<u>518</u>	PSI	(depth) <u>3032</u>	T-Pulled <u>07:25</u>
(E) Second Initial Flow Pressure	<u>78</u>	<u>61</u>	PSI	Recorder No. _____	T-Out <u>10:00</u>
(F) Second Final Flow Pressure	<u>98</u>	<u>103</u>	PSI	(depth) _____	T-Off Location <u>10:15</u>
(G) Final Shut-in Pressure	<u>521</u>	<u>521</u>	PSI	Initial Opening <u>30</u>	Test <u>600</u>
(Q) Final Hydrostatic Mud	<u>1466</u>	<u>1444</u>	PSI	Initial Shut-in <u>30</u>	Jars _____
				Final Flow <u>45</u>	Safety Joint _____
				Final Shut-in <u>60</u>	Straddle _____
					Circ. Sub _____
					Sampler _____
					Extra Packer _____
					Elec. Rec. <u>X</u> <u>150</u>
					Mileage _____
					Other <u>1 hr</u> <u>30</u>
					TOTAL PRICE \$ <u>780</u>

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Approved By _____

Our Representative

Don Bangli

TRILOBITE TESTING L.L.C.

OPERATOR : ESP Development, Inc.

DATE 3-27-00

WELL NAME: Eulert #C-2

KB 1850.00 ft

TICKET NO: 12035

DST #3

LOCATION : 22-11-15 Russell co KS

GR 1845.00 ft

FORMATION: Arbuckle

INTERVAL : 3298.00 To 3312.00 ft

TD 3312.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13254	13254	3024			PF Fr. 0855 to 0925 hr
SI 45 Range(Psi)	4550.0	4550.0	4995.0	0.0	0.0	IS Fr. 0925 to 1010 hr
SF 60 Clock(hrs)	12	12	elect			SF Fr. 1010 to 1110 hr
FS 90 Depth(ft)	3309.0	3309.0	3300.0	0.0	0.0	FS Fr. 1110 to 1240 hr

	Field	1	2	3	4	
A. Init Hydro	1623.0	1660.0	1635.0	0.0	0.0	T STARTED 0756 hr
B. First Flow	23.0	55.0	16.0	0.0	0.0	T ON BOTM 0853 hr
B1. Final Flow	23.0	29.0	27.0	0.0	0.0	T OPEN 0855 hr
C. In Shut-in	910.0	925.0	944.0	0.0	0.0	T PULLED 1240 hr
D. Init Flow	47.0	55.0	28.0	0.0	0.0	T OUT 1445 hr
E. Final Flow	47.0	52.0	46.0	0.0	0.0	
F. Fl Shut-in	910.0	938.0	939.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1565.0	1618.0	1635.0	0.0	0.0	Tool Wt. 800.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 40000.00 lbs
						Initial Str Wt 36000.00 lbs
						Unseated Str Wt 36000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 0.00 in
						D. Pipe ID 3.80 in
						D.C. Length 0.00 ft
						D.P. Length 3303.00 ft

RECOVERY

Tot Fluid 90.00 ft of 0.00 ft in DC and 90.00 ft in DP

40.00 ft of Clean oil

0.00 ft of 100% oil

50.00 ft of Oil cut mud

0.00 ft of 50% oil 50% mud

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 30.00

BLOW DESCRIPTION

Initial Flow:

Weak building to 2"

Final Flow:

Weak building to

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.30 lb/cf
Vis.	41.00 S/L
W.L.	8.80 in3
F.C.	0.00 in
Mud Drop N	

Amt. of fill	0.00 ft
Btm. H. Temp.	103.00 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	Dan Bangle
Co. Rep.	Randy Kilian
Contr.	Vonfeldt
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Eulert #C-2

LOCATION : 22-11-15 Russell co KS

TICKET No. 12035 D.S.T. No. 3 DATE 3-27-00

TOTAL TOOL TO BOTTOM OF TOP PACKERS 20

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 14

TOTAL TOOL 34

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 34

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands Single Total 3303

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3337

TOTAL DEPTH 3312

TOTAL DRILL PIPE ABOVE K.B. 25

REMARKS:

P.O. SUB	3158
C.O. SUB	3278
S.I. TOOL	3284
HMV	3289
JARS n/a	
SAFETY JOINT n/a	
PACKER	3293
PACKER	3298
DEPTH 3298	
1'	3299
ANCHOR	
Alpine @ 3300	
5' Perfs	3404
3' Perfs	3307
AK-1 @ 3309	
BULLNOSE 5'	3312
T.D.	3312

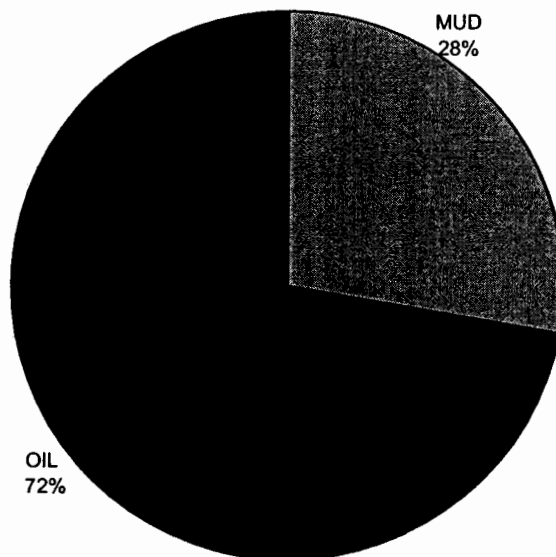
CALCULATED RECOVERY ANALYSIS

DST 3

TICKET 12035

SAMPLE		TOTAL	GAS		OIL		WATER		MUD	
#		FEET	%	FEET	%	FEET	%	FEET	%	FEET
DRILL PIPE	1	40	0	0	100	40	0	0	0	0
	2	50	0	0	50	25	0	0	50	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 PIPE	1	0	0	0	0	0	0	0	0	0
	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 COLLARS	1	0	0	0	0	0	0	0	0	0
	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
TOTAL		90	0	0	0	65	0	0	0	25

			HRS OPEN		BBL/DAY
BBL OIL=	0.9243	*	1.5	=	14.7888
BBL WATER=	0	*		=	0
BBL MUD=	0.3555				
BBL GAS =	0				



TEST HISTORY

Tk# 12035 DST# 3 Euler# #C-2 ESP Development, Inc.

Flag Points

	t(Min.)	Pk PSig)
A:	0.00	1634.97
B:	0.00	15.79
C:	29.87	26.96
D:	44.00	944.19
E:	0.00	28.44
F:	58.50	46.09
G:	90.50	938.50
H:	0.00	1635.35

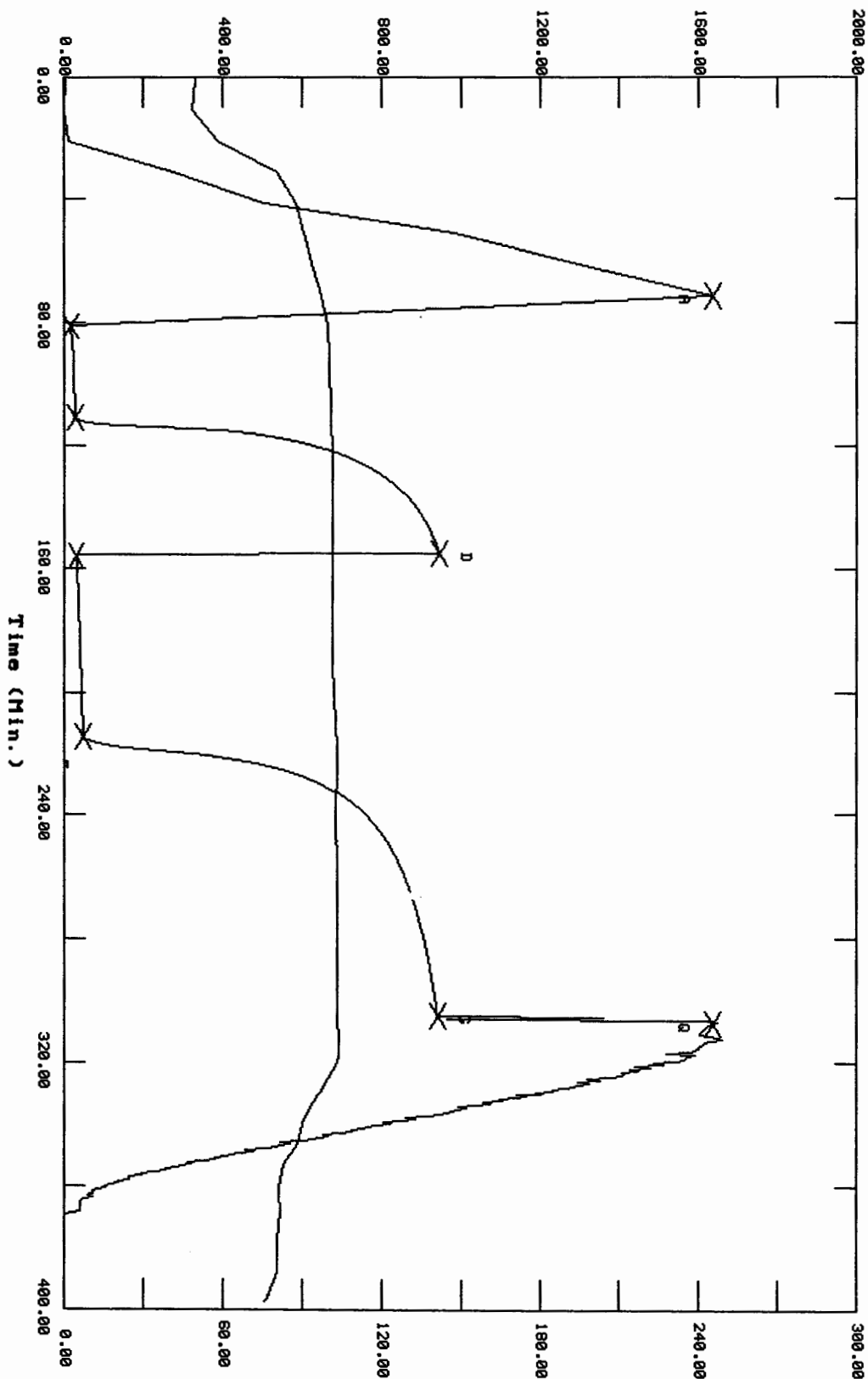
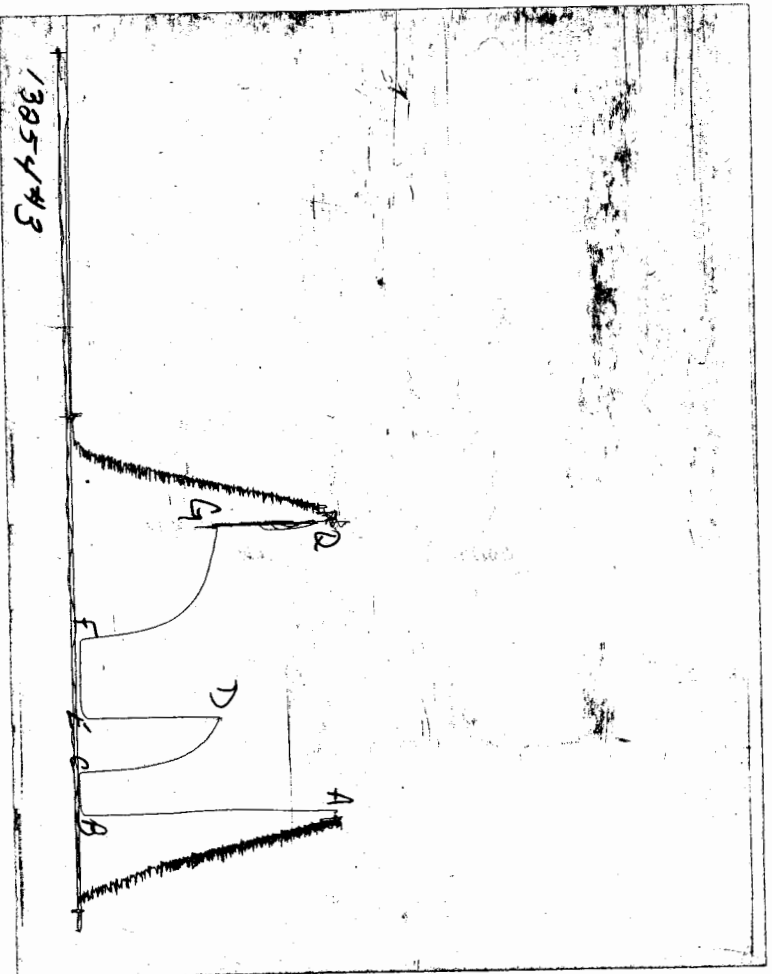


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Nº 12035

Test Ticket

Well Name & No.	<u>Euler # C-2</u>	Test No.	<u>3</u>	Date	<u>3-27-00</u>
Company	<u>E.S.P. Development, Inc</u>	Zone Tested	<u>Archuckle</u>		
Address		Elevation	<u>1850</u>	KB	<u>1845</u> GL
Co. Rep / Geo.	<u>Randy Kilian</u>	Cont.	<u>Vonfeldt</u>	Est. Ft. of Pay	<u> </u> Por. <u> </u> %
Location: Sec.	<u>22</u>	Twp.	<u>11</u>	Rge.	<u>15</u> Co. <u>Russell</u> State <u>KS</u>
No. of Copies		Distribution Sheet (Y, N)		Turnkey (Y, N)	
		Evaluation (Y, N)			

Interval Tested	<u>3298 - 3312</u>	Initial Str Wt./Lbs.	<u>36,000</u>	Unseated Str Wt./Lbs.	<u>36,000</u>
Anchor Length	<u>14'</u>	Wt. Set Lbs.	<u>20,000</u>	Wt. Pulled Loose/Lbs.	<u>40,000</u>
Top Packer Depth	<u>3293</u>	Tool Weight	<u>800</u>		
Bottom Packer Depth	<u>3298</u>	Hole Size — 7 7/8"		Rubber Size — 6 3/4"	
Total Depth	<u>3312</u>	Wt. Pipe Run		Drill Collar Run	
Mud Wt. <u>9.3</u> LCM <u> </u> Vis. <u>41</u> WL <u>8.8</u>		Drill Pipe Size	<u>4.5 XH</u>	Ft. Run	<u>3303</u>
Blow Description	<u>I.F. Weak - building to 2"</u>				

FF Weak - building to 1 3/4"

Recovery — Total Feet	<u>90</u>	GIP		Ft. in DC		Ft. in DP	
Rec. <u>40</u>	Feet Of	<u>clean oil</u>	%gas	%oil	%water	%mud	
Rec. <u>50</u>	Feet Of	<u>OCM</u>	%gas <u>50</u>	%oil	%water <u>50</u>	%mud	
Rec. <u> </u>	Feet Of		%gas	%oil	%water	%mud	
Rec. <u> </u>	Feet Of		%gas	%oil	%water	%mud	
Rec. <u> </u>	Feet Of		%gas	%oil	%water	%mud	
BHT <u>10.3</u>	°F Gravity		°API D@		°F Corrected Gravity <u>50</u>	°API	
RW <u> </u> @ <u> </u>	°F	Chlorides		ppm Recovery	Chlorides <u>8,000</u>	ppm System	

(A) Initial Hydrostatic Mud	<u>1623</u>	AK-1	<u>1635</u>	Alpine	PSI Recorder No.	<u>3024</u>	T-On Location	<u>06:30</u>
(B) First Initial Flow Pressure	<u>23</u>		<u>16</u>		PSI (depth)	<u>3300</u>	T-Started	<u>07:56</u>
(C) First Final Flow Pressure	<u>23</u>		<u>27</u>		PSI Recorder No.	<u>13254</u>	T-Open	<u>08:55</u>
(D) Initial Shut-In Pressure	<u>910</u>		<u>944</u>		PSI (depth)	<u>3309</u>	T-Pulled	<u>12:40</u>
(E) Second Initial Flow Pressure	<u>47</u>		<u>28</u>		PSI Recorder No.		T-Out	<u>14:15</u>
(F) Second Final Flow Pressure	<u>47</u>		<u>46</u>		PSI (depth)		T-Off Location	<u>15:00</u>
(G) Final Shut-in Pressure	<u>910</u>		<u>939</u>		PSI Initial Opening	<u>30</u>	Test	<u>600</u>
(Q) Final Hydrostatic Mud	<u>1565</u>		<u>1635</u>		PSI Initial Shut-in	<u>45</u>	Jars	
					Final Flow	<u>60</u>	Safety Joint	
					Final Shut-in	<u>90</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 Randy Kilian

Our Representative Dan Rangle

Extra Packer	
Elec. Rec. <u>X</u>	<u>150</u>
Mileage	
Other	
TOTAL PRICE \$	<u>750</u>