

15-187-20919

21-30s-39w

Well Name: Nickens 1-1021
Company: Presco Western
Location: 21-30s-39w
Stanton County Kansas
Date: 2-1-99

RECEIVED
KANSAS CORPORATION COMMISSION

FEB 12 1999

CONSERVATION DIVISION
WICHITA, KS

TRILOBITE TESTING L.L.C.

OPERATOR : Presco Western
WELL NAME: Nickens 1-1021
LOCATION : 21-30s-39w Stanton co KS
INTERVAL : 5668.00 To 5710.00 ft

DATE 01-26-99
KB 3206.00 ft
GR 3196.00 ft
TD 5710.00 ft

TICKET NO: 11717
FORMATION: Morrow
TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10333	10333	3026			PF Fr. 0437 to 0507 hr
SI 60 Range(Psi)	4050.0	4050.0	4995.0	0.0	0.0	IS Fr. 0507 to 0607 hr
SF 90 Clock(hrs)	12hr	12hr	elect			SF Fr. 0607 to 0737 hr
FS 120 Depth(ft)	5710.0	5710.0	5676.0	0.0	0.0	FS Fr. 0737 to 0937 hr

	Field	1	2	3	4	
A. Init Hydro	2753.0	2755.0	2741.0	0.0	0.0	T STARTED 0130 hr
B. First Flow	61.0	71.0	24.0	0.0	0.0	T ON BOTM 0436 hr
B1. Final Flow	81.0	76.0	60.0	0.0	0.0	T OPEN 0437 hr
C. In Shut-in	528.0	546.0	577.0	0.0	0.0	T PULLED 0937 hr
D. Init Flow	142.0	112.0	47.0	0.0	0.0	T OUT 1200 hr
E. Final Flow	91.0	88.0	46.0	0.0	0.0	
F. Fl Shut-in	518.0	546.0	556.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2712.0	2422.0	2710.0	0.0	0.0	Tool Wt. 2000.00 lbs
Inside/Outside	O	O	I			Wt Set On Packer 24000.00 lbs
						Wt Pulled Loose 105000.00 lbs
						Initial Str Wt 84000.00 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 698.00 ft
						D.P. Length 4956.00 ft

RECOVERY

Tot Fluid 60.00 ft of 60.00 ft in DC and 0.00 ft in DP
60.00 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 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
Weak blow built to 1.5"
Initial Shut-in:
No blow back
Final Flow:
Weak 1.5" blow

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	chemical
Weight	9.10 lb/cf
Vis.	66.00 S/L
W.L.	7.60 in3
F.C.	0.00 in
Mud Drop Y	20.0 ft
Amt. of fill	0.00 ft
Btm. H. Temp.	145.00 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.	Austin Garner
Contr.	Cheyenne
Rig #	3
Unit #	
Pump T.	

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

ELL NAME: Nickens 1-1021

LOCATION : 21-30s-39w

TICKET No. 11717 D.S.T. No. 1 DATE 01-26-99

TOTAL TOOL TO BOTTOM OF TOP PACKERS 30

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 42

TOTAL TOOL 72

DRILL COLLAR ANCHOR IN INTERVAL

C. ANCHOR STND.Stands Single Total

P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY

C. ABOVE TOOLS.Stands12 Single Total 698

P. ABOVE TOOLS.Stands80 Single Total 4956

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5726

TOTAL DEPTH 5710

TOTAL DRILL PIPE ABOVE K.B. 16

REMARKS:

Sampler Data

000 ml Mud

00 Psi

Tool was plugging

P.O. SUB top of tool	5638
C.O. SUB 1'	5639
S.I. TOOL 5'	5644
3' sampler	5647
HMV 5'	5652
JARS 5'	5657
SAFETY JOINT 2'	5659
PACKER 5'	5664
PACKER 5'	5668
DEPTH 5668	
STUBB 1'	5669
ANCHOR	
2' perf	5671
alpine rec.	5676
5' PU sub	5676
T.C.	
DEPTH	
29' perf	5705
Ak1 rec.	5710
BULLNOSE	
T.D. 5'	5710

TEST HISTORY 11717 DST#1 Nickens 1-1021 Presco Western

Flag Points

t (Min.)	P (PSig)
A: 0.00	2741.09
B: 0.00	24.08
C: 30.00	60.35
D: 60.00	577.63
E: 0.00	47.63
F: 89.75	46.69
G: 120.00	556.44
Q: 0.00	2710.83

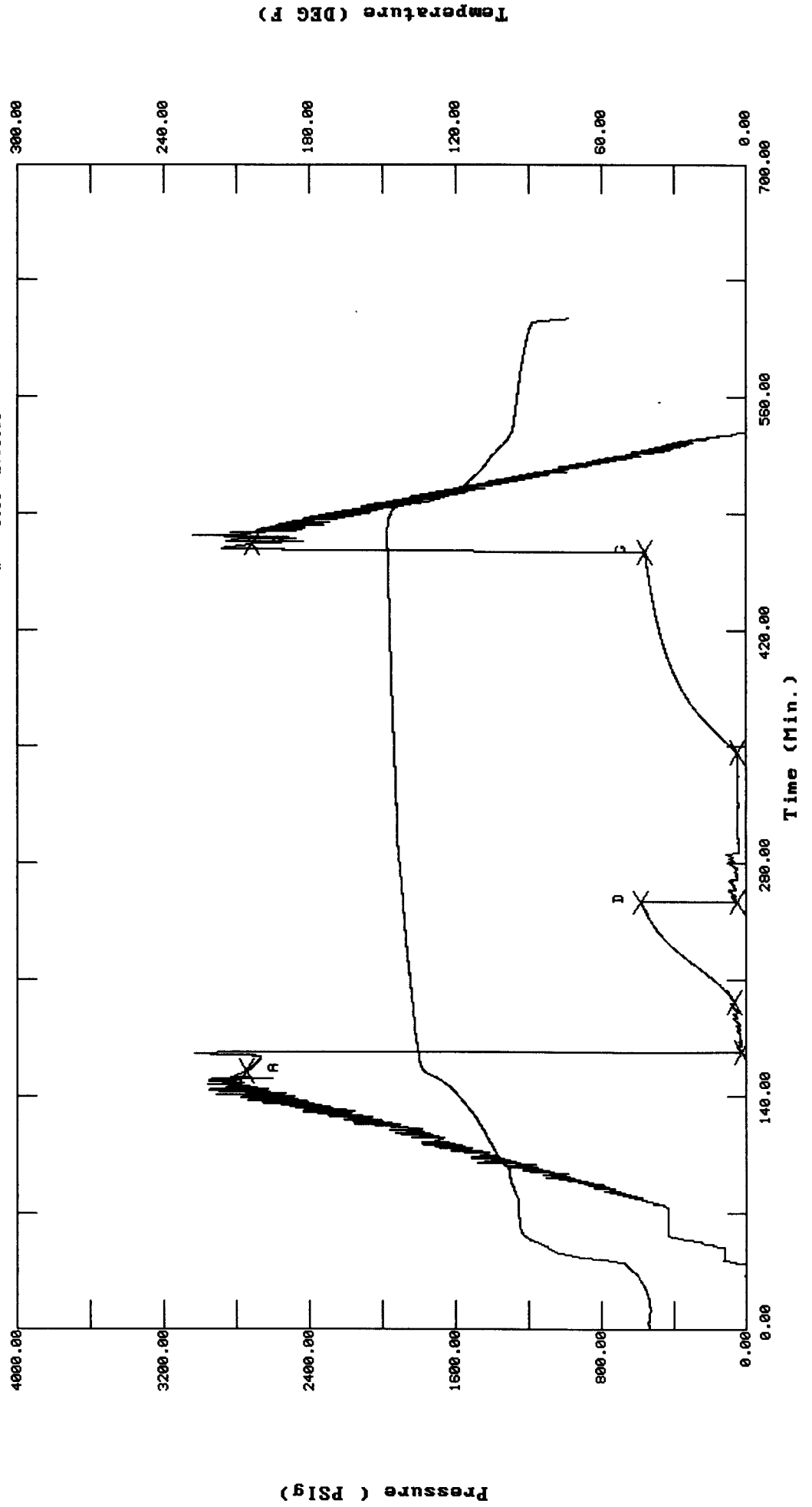
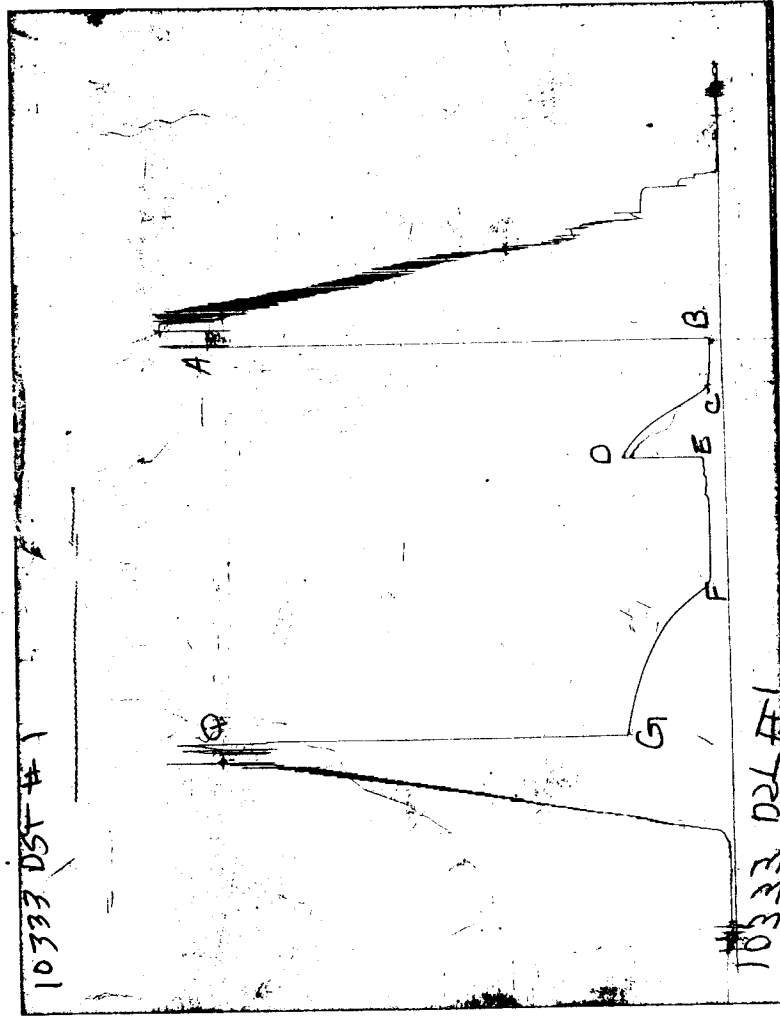


CHART PAGE



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

No 11717

Well Name & No.	<u>Nickens 1-1021</u>	Test No.	<u>#1</u>	Date	<u>1-26-99</u>
Company	<u>Presco Western</u>	Zone Tested	<u>Morrison</u>		
Address	<u>1775 Sherman St. Ste. 2950 Denver Colo. 80203-4324</u>		Elevation	<u>3206</u>	KB <u>3196</u> GL
Co. Rep / Geo.	<u>Austin Garner</u>	Cont.	<u>Cheyenne #3</u>	Est. Ft. of Pay	Por. %
Location: Sec.	<u>21</u>	Twp.	<u>30S</u>	Rge.	<u>39W</u> Co. <u>Stanton</u> State <u>Ks.</u>
No. of Copies		Distribution Sheet (Y, N)		Turnkey (Y, N)	<u>Y</u> Evaluation (Y, N)

Interval Tested	<u>5668 - 5710</u>	Initial Str Wt./Lbs.	<u>84,000</u>	Unseated Str Wt./Lbs.	<u>86,000</u>
Anchor Length	<u>42</u>	Wt. Set Lbs.	<u>24,000</u>	Wt. Pulled Loose/Lbs.	<u>105,000</u>
Top Packer Depth	<u>5663</u>	Tool Weight	<u>2,000</u>		
Bottom Packer Depth	<u>5668</u>	Hole Size — 7 7/8" ☒		Rubber Size — 6 3/4" ☒	
Total Depth	<u>5710</u>	Wt. Pipe Run		Drill Collar Run	<u>698</u> 12545
Mud Wt.	<u>9.1</u> LCM <u>2</u> Vis. <u>66</u> WL <u>7.6</u>	Drill Pipe Size	<u>4 1/2 XH</u>	Ft. Run	<u>4956</u> 80545
Blow Description	<u>Weak blow built to 1 1/2"</u> <u>No blow back</u> <u>Weak 1 1/2" blow</u>				

Recovery — Total Feet	<u>60</u>	GIP		Ft. in DC		Ft. in DP	
Rec.	<u>60</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		°F Gravity		°API D@		°F Corrected Gravity	
RW		@		°F Chlorides		ppm Recovery	Chlorides <u>800</u> ppm System

(A) Initial Hydrostatic Mud	<u>2753</u>	AK-1	<u>2741</u>	Alpine	PSI Recorder No.	<u>3026</u>	T-On Location	<u>11:00 P.M.</u>
(B) First Initial Flow Pressure	<u>61</u>		<u>24</u>		PSI (depth)	<u>5676</u>	T-Started	<u>1:30 A.M.</u>
(C) First Final Flow Pressure	<u>81</u>		<u>60</u>		PSI Recorder No.	<u>10333</u>	T-Open	<u>4:37 A.M.</u>
(D) Initial Shut-In Pressure	<u>528</u>		<u>577</u>		PSI (depth)	<u>5710</u>	T-Pulled	<u>9:37 A.M.</u>
(E) Second Initial Flow Pressure	<u>142</u>		<u>47</u>		PSI Recorder No.		T-Out	<u>12:00 P.M.</u>
(F) Second Final Flow Pressure	<u>91</u>		<u>46</u>		PSI (depth)		T-Off Location	
(G) Final Shut-in Pressure	<u>518</u>		<u>556</u>		PSI Initial Opening	<u>30</u>	Test	<u>1800</u> ^{aa}
(Q) Final Hydrostatic Mud	<u>2712</u>		<u>2710</u>		PSI Initial Shut-in	<u>60</u>	Jars	<u>1200</u> ^{aa}
					Final Flow	<u>90</u>	Safety Joint	<u>150</u> ^{aa}
					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 Austin Garner

Our Representative Scott Bybee

Circ. Sub 1 1/2
Sampler 200 ^{aa}
Extra Packer
Elec. Rec. 150 ^{aa}
Mileage
Other
TOTAL PRICE \$ 1400 ^{aa}

TRILOBITE TESTING L.L.C.

OPERATOR :	Presco Western	DATE	1-27-99		
WELL NAME:	Nickens 1-1021	KB	3206.00 ft	TICKET NO:	11718 DST #2
LOCATION :	21-30s-39w Stanton co KS	GR	3196.00 ft	FORMATION:	Morrow
INTERVAL :	5608.00 To 5694.00 ft	TD	5791.00 ft	TEST TYPE:	CONVENTIONALSTRADDLE

RECORDED DATA

Mins			Field	1	2	3	4	TIME DATA-----
PF	30	Rec.	10333	10333	3026	13252		PF Fr. 0045 to 0115 hr
SI	60	Range(Psi)	4050.0	4050.0	4995.0	4550.0	0.0	IS Fr. 0115 to 0215 hr
SF	10	Clock(hrs)	12hr	12hr	elect	12hr		SF Fr. 0215 to 0225 hr
FS	60	Depth(ft)	5694.0	5694.0	5679.0	5791.0	0.0	FS Fr. 0225 to 0325 hr

	Field	1	2	3	4			
A. Init Hydro	2702.0	2704.0	2737.0	2744.0	0.0	T STARTED	2150	hr
B. First Flow	81.0	79.0	67.0	0.0	0.0	T ON BOTM	0044	hr
B1. Final Flow	81.0	79.0	72.0	0.0	0.0	T OPEN	0045	hr
C. In Shut-in	599.0	587.0	661.0	0.0	0.0	T PULLED	0325	hr
D. Init Flow	71.0	89.0	77.0	0.0	0.0	T OUT	0645	hr
E. Final Flow	91.0	89.0	77.0	0.0	0.0			
F. Fl Shut-in	548.0	551.0	612.0	0.0	0.0	TOOL DATA-----		
G. Final Hydro	2610.0	2617.0	2656.0	2630.0	0.0	Tool Wt.	2100.00	lbs
Inside/Outside	O	O	I	O		Wt Set On Packer	26000.00	lbs

RECOVERY

[illegible]

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

BLOW DESCRIPTION

Initial Flow:
Weak 1/2" blow died in 16 mins.
Final Flow:
No blow shut in after 10 mins.

MUD DATA-----

Mud Type	chemical
Weight	9.10 lb/cf
Vis.	58.00 S/L
W.L.	7.60 in3
F.C.	0.00 in
Mud Drop Y	20.0 ft

Amt. of fill	0.00	ft
Btm. H. Temp.	145.00	F
Hole Condition	good	
% 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.	Austin Garner	
Contr.	Cheyenne	
Rig #	3	
Unit #		
Pump T.		

SAMPLES:
SENT TO:

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONALSTRADDLE

WELL NAME: Nickens 1-1021

LOCATION : 21-30s-39w Stanton co KS

TICKET No. 11718 D.S.T. No. 2 DATE 1-27-99

TOTAL TOOL TO BOTTOM OF TOP PACKERS 30

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 22

TOTAL TOOL 52

DRILL COLLAR ANCHOR IN INTERVAL

C. ANCHOR STAND.Stands Single Total

P. ANCHOR STAND.Stands 2 Single 1 Total 161

TOTAL ASSEMBLY 213

C. ABOVE TOOLS.Stands12 Single Total 698

P. ABOVE TOOLS.Stands79 Single Total 4899

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5810

TOTAL DEPTH 5791

TOTAL DRILL PIPE ABOVE K.B. 19

REMARKS:

Sampler Data

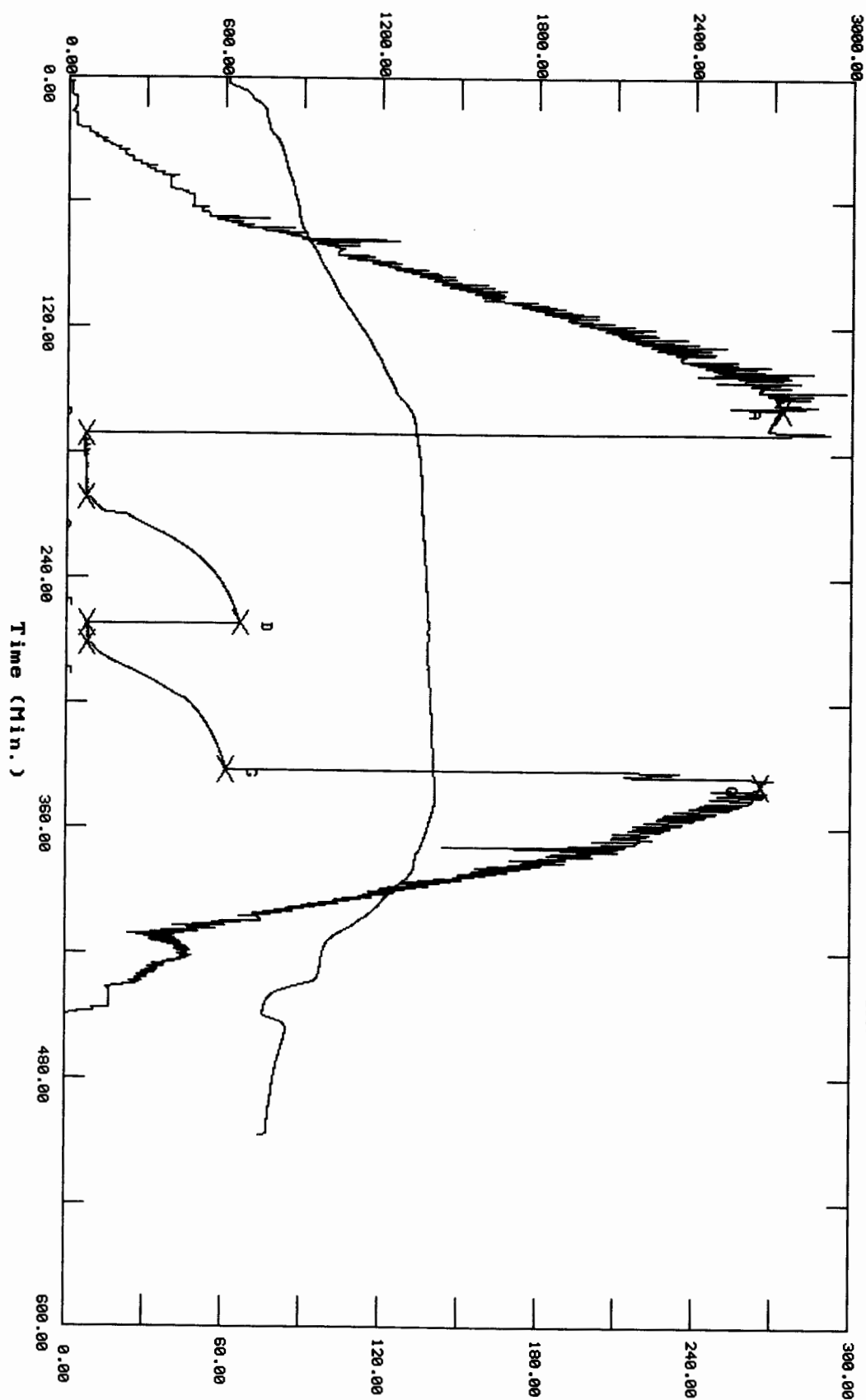
100 ml Mud 100%

Psi

P.O. SUB top of tool	5578
C.O. SUB 1'	5579
S.I. TOOL 5'	5584
3' Sampler	5587
HMV 5'	5592
JARS 5'	5597
SAFETY JOINT 2'	5599
PACKER 5'	5604
PACKER 5'	5608
DEPTH 5608	
STUBB 1'	5609
ANCHOR 2' perf	5611
1' c/o sub	5612
61' pipe	5673
1' c/o sub	5674
alpine rec.	5679
5' PU sub	5679
10' perf	5689
T.C.	
DEPTH	
Akl rec.	5694
PACKER 5'	5694
1' c/o sub	5695
90' pipe	5785
1'c/o sub	5786
Akl rec.	5791
BULLNOSE	
T.D. 5'	5791

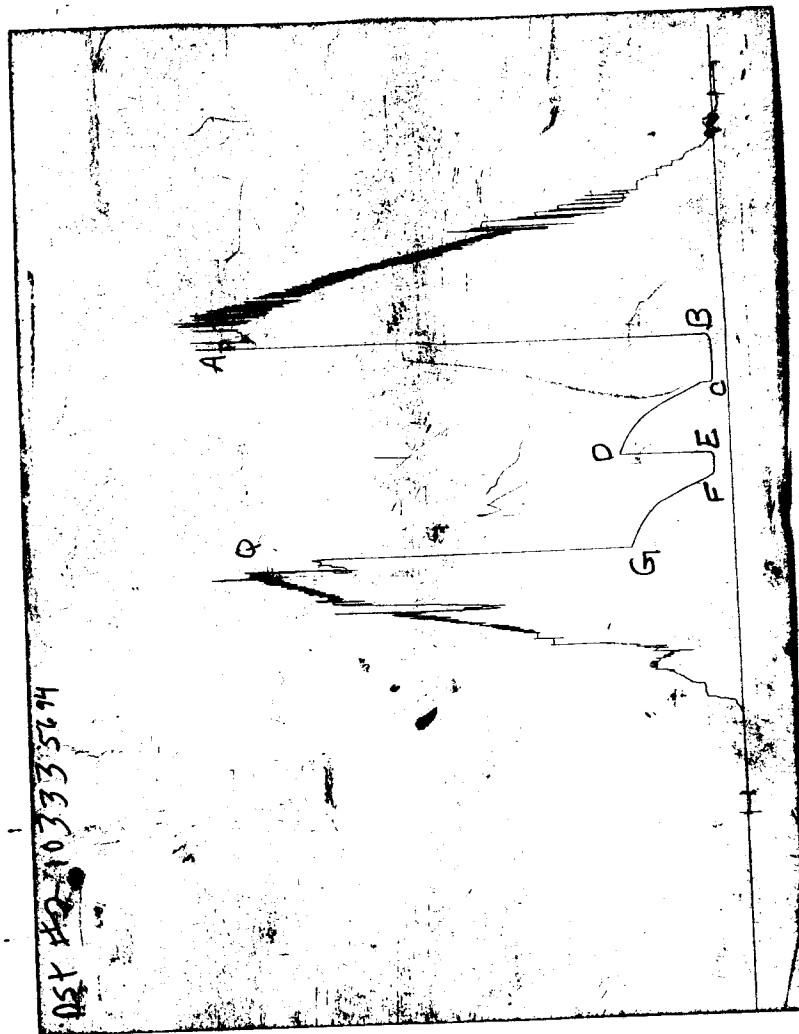
TEST HISTORY

11718 DST#2 Nickens 1-1012 Presco



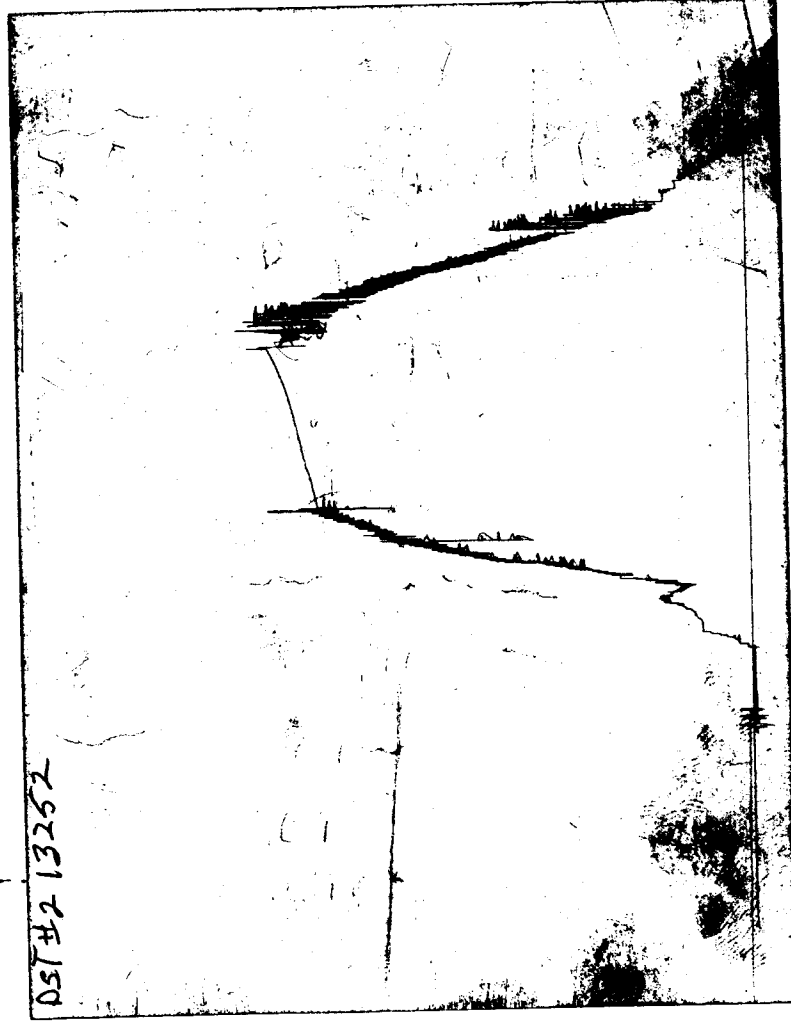
Temperature (DEG F)

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

No 11718

Well Name & No.	<u>Nickens 1-1021</u>	Test No.	<u>#2</u>	Date	<u>1-27-99</u>
Company	<u>Presco Western</u>	Zone Tested	<u>Morrow</u>		
Address	<u>Denver Colo.</u>	Elevation	<u>3206</u>	KB	<u>319 1/2</u> GL
Co. Rep / Geo.	<u>Austin Garner</u>	Cont.	<u>Cheyenne #3</u>	Est. Ft. of Pay	<u> </u> Por. <u> </u> %
Location: Sec.	<u>21</u>	Twp.	<u>30S</u>	Rge.	<u>39W</u> Co. <u>Stanton</u> State <u>Ks.</u>
No. of Copies	<u> </u>	Distribution Sheet (Y, N)	<u> </u>	Turnkey (Y, N)	<u>Y</u> Evaluation (Y, N) <u> </u>

Interval Tested	<u>5608 - 5694</u>	Initial Str Wt./Lbs.	<u>86,000</u>	Unseated Str Wt./Lbs.	<u>86,000</u>
Anchor Length	<u>86'</u>	Wt. Set Lbs.	<u>26,000</u>	Wt. Pulled Loose/Lbs.	<u>130,000</u>
Top Packer Depth	<u>5603</u>	Tool Weight	<u>2100</u>		
Bottom Packer Depth	<u>5608</u>	Hole Size — 7 7/8" ☒		Rubber Size — 6 3/4" ☒	
Total Depth	<u>5791</u>	Wt. Pipe Run	<u> </u>	Drill Collar Run	<u>698</u> ^{12 S&S}
Mud Wt.	<u>9.3</u> LCM <u>5</u> Vis. <u>58</u> WL <u>7.6</u>	Drill Pipe Size	<u>4 1/2 XH</u>	Ft. Run	<u>5060</u>
Blow Description	<u>Weak blow 1/2" died in 16 min.</u>				

2nd open No blow shut in for 10 min.

Recovery — Total Feet	<u>10</u>	GIP	<u> </u>	Ft. in DC	<u>10</u>	Ft. in DP	<u> </u>
Rec.	<u>10</u>	Feet Of	<u>Mud</u>	%gas	<u> </u>	%oil	<u> </u>
Rec.	<u> </u>	Feet Of	<u> </u>	%gas	<u> </u>	%oil	<u> </u>
Rec.	<u> </u>	Feet Of	<u> </u>	%gas	<u> </u>	%oil	<u> </u>
Rec.	<u> </u>	Feet Of	<u> </u>	%gas	<u> </u>	%oil	<u> </u>
Rec.	<u> </u>	Feet Of	<u> </u>	%gas	<u> </u>	%oil	<u> </u>
BHT	<u>145</u>	°F Gravity	<u> </u>	°API D@	<u> </u>	°F Corrected Gravity	<u> </u>
RW	<u> </u>	@	<u> </u>	°F Chlorides	<u> </u>	ppm Recovery	<u> </u>
				Chlorides	<u>2100</u>	ppm System	<u> </u>

(A) Initial Hydrostatic Mud	<u>2702</u>	AK-1	<u>2737</u>	Alpine	PSI	Recorder No.	<u>3026</u>	T-On Location	<u>8:45 P.M.</u>
(B) First Initial Flow Pressure	<u>81</u>		<u>67</u>		PSI	(depth)	<u>5679</u>	T-Started	<u>9:30 P.M.</u>
(C) First Final Flow Pressure	<u>81</u>		<u>72</u>		PSI	Recorder No.	<u>10333</u>	T-Open	<u>12:45 A.M.</u>
(D) Initial Shut-In Pressure	<u>599</u>		<u>661</u>		PSI	(depth)	<u>5694</u>	T-Pulled	<u>3:25 A.M.</u>
(E) Second Initial Flow Pressure	<u>71</u>		<u>77</u>		PSI	Recorder No.	<u>13252</u>	T-Out	<u> </u>
(F) Second Final Flow Pressure	<u>91</u>		<u>77</u>		PSI	(depth)	<u>5791</u>	T-Off Location	<u> </u>
(G) Final Shut-in Pressure	<u>548</u>		<u>612</u>		PSI	Initial Opening	<u>30</u>	Test	<u>800</u> ⁰⁰
(Q) Final Hydrostatic Mud	<u>2610</u>		<u>2656</u>		PSI	Initial Shut-in	<u>60</u>	Jars	<u>200</u> ⁰⁰
						Final Flow	<u>10</u>	Safety Joint	<u>150</u> ⁰⁰
						Final Shut-in	<u>60</u>	Straddle	<u>150</u> ⁰⁰

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Approved By Austin G

Our Representative Scott Bugbee

Circ. Sub	<u>N/C</u>
Sampler	<u>200</u> ⁰⁰
Extra Packer	<u>150</u> ⁰⁰
Elec. Rec.	<u>150</u> ⁰⁰
Mileage	<u> </u>
Other	<u> </u>
TOTAL PRICE \$	<u> </u>