

TRILOBITE TESTING L.L.C.

OPERATOR : SHARP ENGINEERING

DATE 05/06/95

WELL NAME: NELSON 3-1

KB 12.00 ft

TICKET NO: 8151 DST #1

LOCATION : 3-27S-31W

GR 0.00 ft

FORMATION: MORROW

INTERVAL : 4996.00 To 5137.00 ft

TD 5137.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 0 Rec.	10333	2341				PF Fr. to hr
SI 0 Range(Psi)	4075.0	4995.0	0.0	0.0	0.0	IS Fr. to hr
SF 0 Clock(hrs)	30416					SF Fr. to hr
FS 0 Depth(ft)	0.0	0.0	0.0	0.0	0.0	FS Fr. to hr

	Field	1	2	3	4	
A. Init Hydro	0.0	0.0	0.0	0.0	0.0	T STARTED hr
B. First Flow	0.0	0.0	0.0	0.0	0.0	T ON BOTM hr
B1. Final Flow	0.0	0.0	0.0	0.0	0.0	T OPEN hr
C. In Shut-in	0.0	0.0	0.0	0.0	0.0	T PULLED hr
D. Init Flow	0.0	0.0	0.0	0.0	0.0	T OUT hr
E. Final Flow	0.0	0.0	0.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0	
G. Final Hydro	0.0	0.0	0.0	0.0	0.0	
Inside/Outside	0	I				

RECOVERY

Tot Fluid	0.00 ft of	0.00 ft in DC and	0.00 ft in DP	
0.00	ft of			Tool Wt. 0.00 lbs
0.00	ft of			Wt Set On Packer 0.00 lbs
0.00	ft of			Wt Pulled Loose 0.00 lbs
0.00	ft of			Initial Str Wt 0.00 lbs
0.00	ft of			Unseated Str Wt 0.00 lbs
0.00	ft of			Bot Choke 0.75 in
0.00	ft of			Hole Size 7.88 in
0.00	ft of			D Col. ID 2.25 in
0.00	ft of			D. Pipe ID 3.80 in
0.00	ft of			D.C. Length 182.00 ft
0.00	ft of			D.P. Length 0.00 ft

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

BLOW DESCRIPTION

INITIAL BLOW -

HIT BRIDGE AT 1395' COULD NOT GET

TOOL PAST; MISRUN, TRIP OUT HOLE

MUD DATA-----

Mud Type	CHEMICAL
Weight	91.00 lb/c
Vis.	50.00 S/L
W.L.	6.40 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	MIKE COLANTONIO
Co. Rep.	ED SCHUETT
Contr.	ALLEN DRILLING
Rig #	5
Unit #	
Pump T.	

SAMPLES:

SENT TO:

Test Successful: N

TRILOBITE TESTING L.L.C.

OPERATOR : SHARP ENGINEERING

DATE 05/06/95

WELL NAME: NELSON 3-1

KB 12.00 ft

TICKET NO: 8152 DST #2

LOCATION : 3-27S-31W

GR 0.00 ft

FORMATION: MORROW

INTERVAL : 4996.00 To 5137.00 ft

TD 5137.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10333	10333	2341			PF Fr. 30 to hr
SI 60 Range(Psi)	4075.0	4075.0	4995.0	0.0	0.0	IS Fr. to 1 hr
SF 30 Clock(hrs)	30416	30416				SF Fr. 30 to hr
FS 60 Depth(ft)	5132.0	5132.0	4993.0	0.0	0.0	FS Fr. to 1 hr

	Field	1	2	3	4	
A. Init Hydro	2661.0	2631.0	2529.0	0.0	0.0	T STARTED hr
B. First Flow	142.0	114.0	29.0	0.0	0.0	T ON BOTM hr
B1. Final Flow	142.0	114.0	43.0	0.0	0.0	T OPEN 1327 hr
C. In Shut-in	182.0	173.0	127.0	0.0	0.0	T PULLED 1627 hr
D. Init Flow	142.0	132.0	49.0	0.0	0.0	T OUT hr
E. Final Flow	142.0	132.0	67.0	0.0	0.0	
F. Fl Shut-in	182.0	164.0	114.0	0.0	0.0	
G. Final Hydro	2430.0	2458.0	2403.0	0.0	0.0	
Inside/Outside	O	I				

RECOVERY

Tot Fluid 25.00 ft of 25.00 ft in DC and 0.00 ft in DP

25.00 ft of MUD - 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

0.00 ft of

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

BLOW DESCRIPTION

INITIAL BLOW -
SURFACE BLOW, BUILT TO 1/2"

INITIAL SHUTIN -
NO BLOW BACK

FINAL BLOW -
NO BLOW

FINAL SHUTIN -
NO BLOW BACK

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	CHEMICAL
Weight	9.10 lb/c
Vis.	50.00 S/L
W.L.	6.40 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	121.00 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	MIKE COLANTONIO
Co. Rep.	ED SCHUETT
Contr.	ALEN DRILLING
Rig #	5
Unit #	
Pump T.	

Test Successful: Y

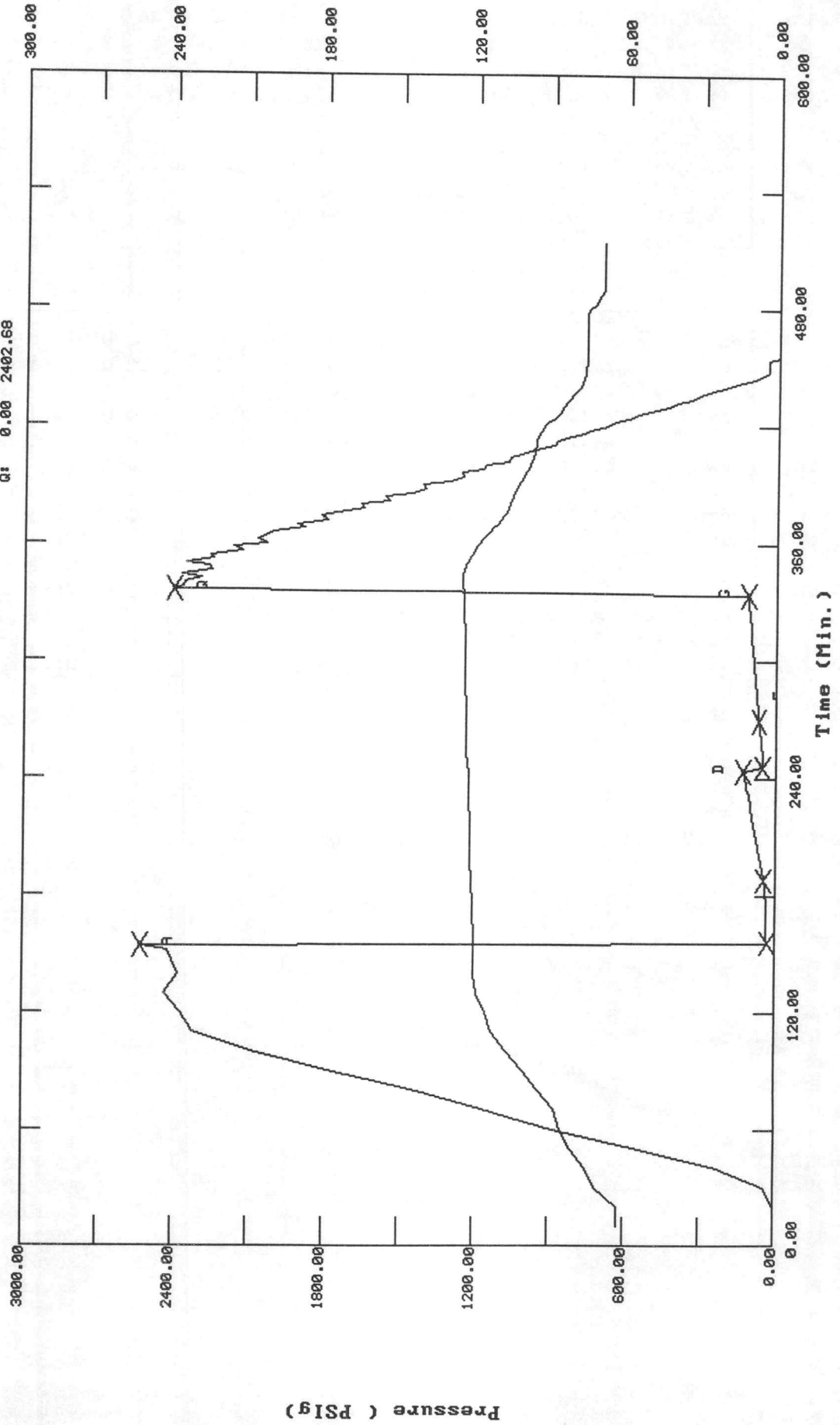
TEST HISTORY

Sharp Engineering Nelson 3-1 DST #2

Flag Points

t (Min.) PK PSig

A:	0.00	2528.65
B:	0.00	29.03
C:	32.00	43.21
D:	56.00	126.97
E:	0.00	48.92
F:	24.00	66.71
G:	64.00	113.71
Q:	0.00	2402.68



ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Sharp Engineering Nelson 3-1 DST #2

DATE: 05/06/95 TIME: 09:52:45

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** Initial Hydro.	154.00	2528.7	0.0	120.02		
***** Start Flow 1	0.00	29.0	0.0	119.84		
	2.00	31.6	2.6	120.02		
	4.00	31.7	2.7	120.20		
	6.00	32.9	3.9	120.20		
	8.00	33.1	4.0	120.20		
	10.00	33.7	4.7	120.38		
	12.00	34.0	5.0	120.38		
	14.00	34.9	5.9	120.38		
	16.00	35.1	6.0	120.56		
	18.00	35.4	6.4	120.56		
	20.00	35.9	6.9	120.56		
	22.00	36.2	7.2	120.74		
	24.00	37.6	8.6	120.74		
	26.00	37.8	8.7	120.92		
	28.00	37.9	8.9	120.92		
	30.00	39.9	10.9	121.10		
***** End Flow 1	32.00	43.2	14.2	121.10		
***** Start Shutin 1	0.00	43.2	0.0	121.10	0.0000	0.002
	2.00	46.4	3.2	121.28	17.0000	0.002
	4.00	49.4	6.2	121.28	9.0000	0.002
	6.00	52.4	9.1	121.46	6.3333	0.003
	8.00	55.4	12.2	121.46	5.0000	0.003
	10.00	58.3	15.1	121.46	4.2000	0.003
	12.00	61.3	18.1	121.64	3.6667	0.004
	14.00	64.3	21.1	121.64	3.2857	0.004
	16.00	67.3	24.1	121.64	3.0000	0.005
	18.00	70.2	27.0	121.64	2.7778	0.005
	20.00	73.2	30.0	121.82	2.6000	0.005
	22.00	76.1	32.9	121.82	2.4545	0.006
	24.00	79.1	35.8	121.82	2.3333	0.006
	26.00	82.1	38.9	121.82	2.2308	0.007
	28.00	85.0	41.8	122.00	2.1429	0.007
	30.00	87.9	44.7	122.00	2.0667	0.008
	32.00	91.0	47.8	122.00	2.0000	0.008
	34.00	93.9	50.7	122.00	1.9412	0.009
	36.00	96.8	53.6	122.18	1.8889	0.009
	38.00	99.8	56.6	122.18	1.8421	0.01
	40.00	102.7	59.5	122.18	1.8000	0.011
	42.00	105.7	62.5	122.18	1.7619	0.011
	44.00	108.7	65.5	122.36	1.7273	0.012
	46.00	111.7	68.5	122.36	1.6957	0.012
	48.00	114.8	71.6	122.36	1.6667	0.013
	50.00	117.8	74.6	122.36	1.6400	0.014
	52.00	120.8	77.6	122.54	1.6154	0.015
	54.00	124.0	80.7	122.54	1.5926	0.015
***** End Shut-in 1	56.00	127.0	83.8	122.54	1.5714	0.016
***** Start Flow 2	0.00	48.9	0.0	122.72		
	2.00	51.1	2.2	122.90		
	4.00	54.2	5.3	123.08		
	6.00	50.5	1.6	123.26		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Sharp Engineering Nelson 3-1 DST #2

DATE: 05/06/95 TIME: 09:52:45

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	8.00	52.9	3.9	123.26		
	10.00	54.8	5.9	123.44		
	12.00	56.7	7.8	123.44		
	14.00	58.5	9.6	123.44		
	16.00	60.2	11.2	123.62		
	18.00	61.8	12.9	123.62		
	20.00	63.5	14.6	123.62		
	22.00	65.1	16.2	123.62		
***** End Flow 2	24.00	66.7	17.8	123.62		
***** Start Shutin 2	0.00	66.7	0.0	123.62	0.0000	0.004
	2.00	68.2	1.5	123.80	29.0000	0.005
	4.00	69.7	3.0	123.80	15.0000	0.005
	6.00	70.8	4.1	123.80	10.3333	0.005
	8.00	72.4	5.7	123.80	8.0000	0.005
	10.00	73.9	7.2	123.80	6.6000	0.005
	12.00	75.4	8.7	123.80	5.6667	0.006
	14.00	77.0	10.3	123.98	5.0000	0.006
	16.00	78.5	11.7	123.98	4.5000	0.006
	18.00	80.0	13.3	123.98	4.1111	0.006
	20.00	81.4	14.7	123.98	3.8000	0.007
	22.00	83.0	16.3	123.98	3.5455	0.007
	24.00	84.5	17.8	123.98	3.3333	0.007
	26.00	86.1	19.4	124.16	3.1538	0.007
	28.00	87.7	21.0	124.16	3.0000	0.008
	30.00	89.0	22.3	124.16	2.8667	0.008
	32.00	90.5	23.8	124.16	2.7500	0.008
	34.00	92.1	25.4	124.16	2.6471	0.008
	36.00	93.7	26.9	124.16	2.5556	0.009
	38.00	95.2	28.5	124.34	2.4737	0.009
	40.00	96.8	30.0	124.34	2.4000	0.009
	42.00	98.3	31.6	124.34	2.3333	0.01
	44.00	99.8	33.1	124.34	2.2727	0.01
	46.00	101.4	34.7	124.34	2.2174	0.010
	48.00	100.5	33.8	124.34	2.1667	0.010
	50.00	102.2	35.5	124.52	2.1200	0.010
	52.00	103.9	37.2	124.52	2.0769	0.011
	54.00	105.6	38.9	124.52	2.0370	0.011
	56.00	107.3	40.5	124.52	2.0000	0.012
	58.00	108.8	42.1	124.52	1.9655	0.012
	60.00	110.5	43.8	124.52	1.9333	0.012
	62.00	112.0	45.3	124.70	1.9032	0.013
**** End Shut-in 2	64.00	113.7	47.0	124.70	1.8750	0.013
**** Final Hydro.	336.00	2402.7	0.0	124.88		