

WELL NAME: J&B Inc. #1
COMPANY: Nor-West Kansas Oil LLC
LOCATION: 2-6S-33S
Thomas County, Kansas
DATE: 12/30/97

TRILOBITE TESTING L.L.C.

OPERATOR : Nor-West Kansas Oil LLC
 WELL NAME: J&B Inc #1
 LOCATION : 2-6S-33W Thomas Co Ks
 INTERVAL : 4020.00 To 4060.00 ft

DATE 12-26-97
 KB 3116.00 ft TICKET NO: 10722 DST #1
 GR 3111.00 ft FORMATION: C-D LKC
 TD 4060.00 ft TEST TYPE: CONV

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
30	Rec.	13754	13754	2341			PF Fr. 2148 to 2218 hr
60	Range(Psi)	4000.0	4000.0	4995.0	0.0	0.0	IS Fr. 2218 to 2318 hr
30	Clock(hrs)	12hr	12hr	Elect			SF Fr. 2318 to 2348 hr
60	Depth(ft)	4057.0	4057.0	4026.0	0.0	0.0	FS Fr. 2348 to 0048 hr

	Field	1	2	3	4	
Init Hydro	2056.0	2018.0	2066.0	0.0	0.0	T STARTED 2013 hr
First Flow	49.0	65.0	33.0	0.0	0.0	T ON BOTM 2145 hr
Final Flow	413.0	415.0	438.0	0.0	0.0	T OPEN 2148 hr
In Shut-in	1236.0	1253.0	1266.0	0.0	0.0	T PULLED 0048 hr
Init Flow	452.0	458.0	443.0	0.0	0.0	T OUT 0330 hr
Final Flow	650.0	631.0	646.0	0.0	0.0	
Fl Shut-in	1256.0	1249.0	1264.0	0.0	0.0	TOOL DATA-----
Final Hydro	1936.0	1915.0	1949.0	0.0	0.0	Tool Wt. 1000.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 80000.00 lbs
						Initial Str Wt 65000.00 lbs
						Unseated Str Wt 72000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 534.00 ft
						D.P. Length 3483.00 ft

RECOVERY

Oil Fluid 1475.00 ft of 534.00 ft in DC and 941.00 ft in DP
 1475.00 ft of Muddy water with a scum of oil on top
 .00 ft of 10% water 90% mud
 .00 ft of
 .00 ft of
 .00 ft of
 .00 ft of
 .00 ft of
 .00 ft of
 .00 ft of

ALINITY 12000.00 P.P.M. A.P.I. Gravity 0.00

LOW DESCRIPTION

Initial blow - Strong bottom of bucket
 in 2 1/2 min

Final blow - Strong bottom of bucket in
 min

SAMPLES:
 SENT TO:

MUD DATA-----
 Mud Type Chem
 Weight 9.20 lb/cf
 Vis. 43.00 S/L
 W.L. 10.80 in3
 F.C. 0.00 in
 Mud Drop N

Amt. of fill 0.00 ft
 Btm. H. Temp. 131.00 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. Pat Wanker
 Contr. Murfin
 Rig # 3
 Unit #
 Pump T.

Test Successful: Y

*** TOOL DIAGRAM *** CONV

WELL NAME: J&B Inc #1

LOCATION : 2-6S-33W Thomas Co Ks

TICKET No. 10722 D.S.T. No. 1 DATE 12-26-97

TOTAL TOOL TO BOTTOM OF TOP PACKERS 23

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 40

TOTAL TOOL 63

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 63

D.C. ABOVE TOOLS.Stands9 Single Total 534

D.P. ABOVE TOOLS.Stands56 Single 1 Total 3483

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4080

TOTAL DEPTH 4060

TOTAL DRILL PIPE ABOVE K.B. 20

REMARKS:

sw .53 @ 78 = 12000ppm

P.O. SUB	3873
C.O. SUB	3397
S.I. TOOL	4003
HMV	4008
JARS n/a	
SAFETY JOINT	4011
PACKER	4015
PACKER	4020
DEPTH 4020	
STUBB 1'	4021
ANCHOR 4' Perfs	4025
Alpine @ 4026	
5' Perfs	4030
5' Perfs	4035
5' Perfs	4040
5' Perfs	4045
T.C.	
DEPTH	
5' Perfs	4050
5' Perfs	4055
AK-1 @ 4057	
BULLNOSE 5' Bullplug	4060
T.D.	

TK #10722 DST #1 J & B Inc #1 Nor-West Ks Oil LLC

TEST HISTORY

Flag Points
t(Min.) P(PSig)

A: 0.00 2066.20
B: 0.00 32.75
C: 31.00 437.90
D: 60.00 1266.24
E: 0.00 443.34
F: 29.00 646.19
G: 60.00 1263.61
Q: 0.00 1948.98

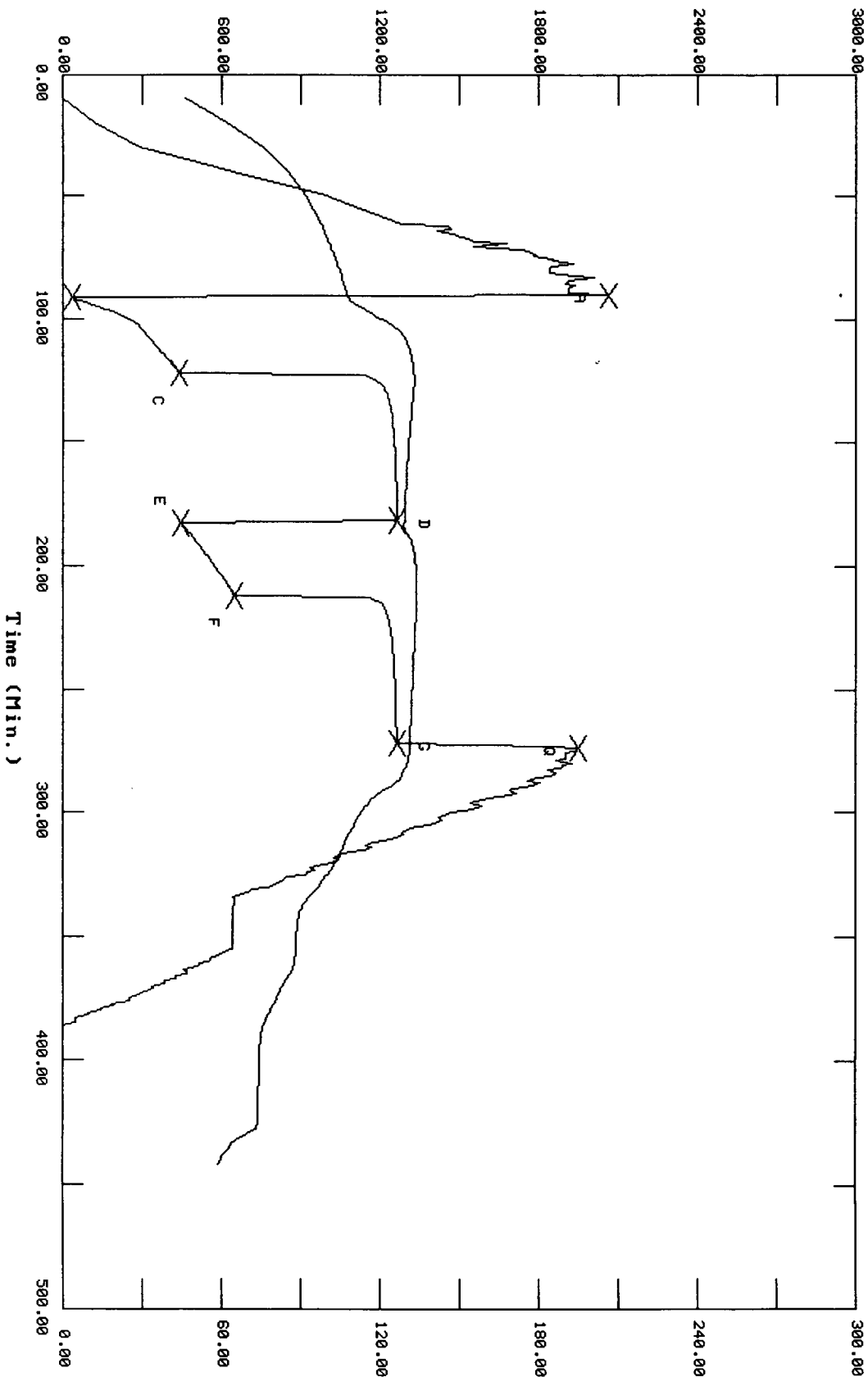
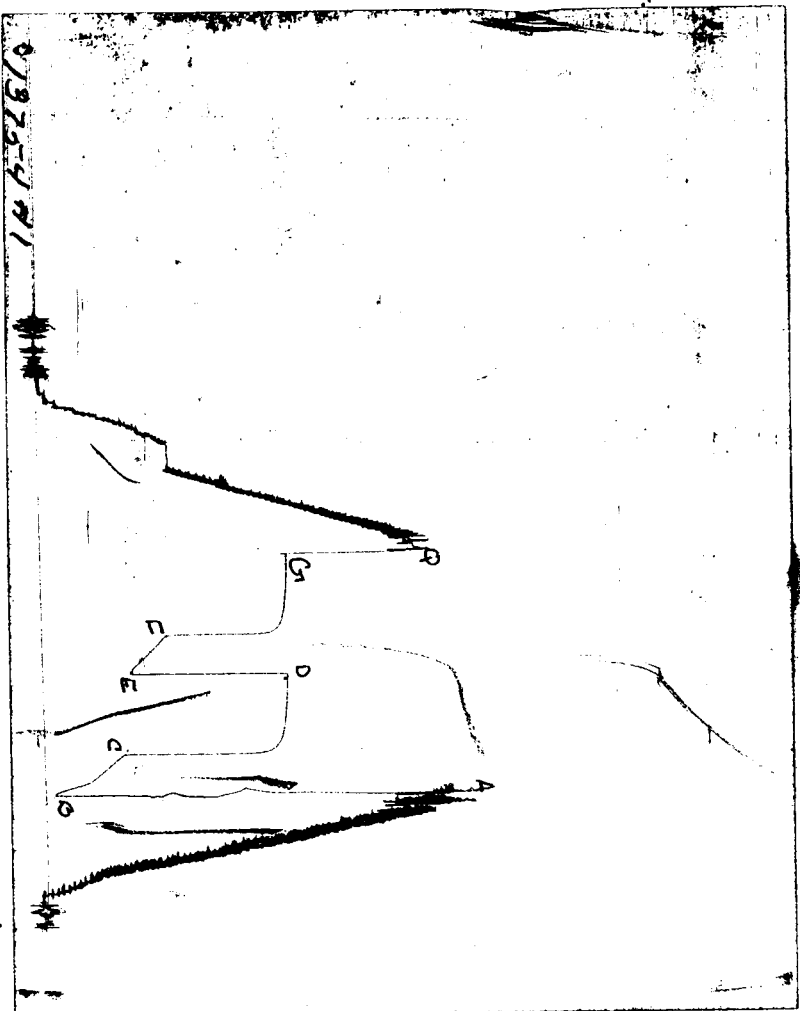


CHART PAGE



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

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk #10722 DST #1 J & B Inc #1 Nor-West Ks Oil LLC
 DATE: 12/26/97 TIME: 20:13:48

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	90.00	2066.2	0.0	107.53		
***** Start Flow 1	0.00	32.7	0.0	107.85		
	1.00	57.7	25.0	108.48		
	2.00	84.8	52.0	109.60		
	3.00	110.9	78.1	111.13		
	4.00	135.3	102.5	112.73		
	5.00	162.3	129.6	114.28		
	6.00	189.0	156.2	115.75		
	7.00	212.2	179.5	117.24		
	8.00	234.5	201.8	118.96		
	9.00	251.4	218.6	120.87		
	10.00	269.5	236.8	122.67		
	11.00	277.7	244.9	124.24		
	12.00	286.4	253.6	125.57		
	13.00	294.7	262.0	126.67		
	14.00	301.3	268.6	127.57		
	15.00	309.0	276.2	128.31		
	16.00	317.0	284.3	128.95		
	17.00	325.7	293.0	129.50		
	18.00	334.5	301.7	129.98		
	19.00	342.4	309.6	130.40		
	20.00	350.5	317.7	130.74		
	21.00	358.8	326.0	131.06		
	22.00	366.3	333.6	131.30		
	23.00	375.0	342.2	131.52		
	24.00	382.7	350.0	131.74		
	25.00	390.8	358.1	131.94		
	26.00	398.5	365.7	132.10		
	27.00	406.5	373.8	132.25		
	28.00	414.8	382.0	132.39		
	29.00	422.5	389.8	132.52		
	30.00	430.5	397.7	132.64		
***** End Flow 1	31.00	437.9	405.2	132.74		
***** Start Shutin 1	0.00	437.9	0.0	132.74	0.0000	0.192
	1.00	1139.1	701.2	132.87	32.0000	1.297
	2.00	1171.9	734.0	132.94	16.5000	1.373
	3.00	1189.0	751.1	132.96	11.3333	1.414
	4.00	1200.2	762.3	132.93	8.7500	1.440
	5.00	1208.4	770.5	132.85	7.2000	1.460
	6.00	1214.7	776.8	132.76	6.1667	1.475
	7.00	1219.7	781.8	132.66	5.4286	1.488
	8.00	1223.9	786.0	132.56	4.8750	1.498
	9.00	1227.5	789.6	132.47	4.4444	1.507
	10.00	1230.6	792.7	132.38	4.1000	1.514
	11.00	1233.3	795.4	132.29	3.8182	1.521
	12.00	1235.6	797.7	132.20	3.5833	1.527
	13.00	1237.7	799.8	132.11	3.3846	1.532
	14.00	1239.6	801.7	132.02	3.2143	1.537
	15.00	1241.3	803.4	131.94	3.0667	1.541
	16.00	1242.9	805.0	131.87	2.9375	1.545
	17.00	1244.4	806.5	131.80	2.8235	1.548

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk #10722 DST #1 J & B Inc #1 Nor-West Ks Oil LLC

DATE: 12/26/97 TIME: 20:13:48

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
18.00	1245.7	807.8	131.73	2.7222	1.552
19.00	1246.9	809.0	131.65	2.6316	1.555
20.00	1248.0	810.1	131.58	2.5500	1.558
21.00	1249.1	811.2	131.51	2.4762	1.560
22.00	1250.0	812.1	131.43	2.4091	1.563
23.00	1251.0	813.1	131.42	2.3478	1.565
24.00	1251.9	813.9	131.26	2.2917	1.567
25.00	1252.6	814.7	131.21	2.2400	1.569
26.00	1253.3	815.4	131.06	2.1923	1.571
27.00	1254.2	816.3	130.94	2.1481	1.573
28.00	1254.8	816.9	130.80	2.1071	1.575
29.00	1255.5	817.6	130.79	2.0690	1.576
30.00	1256.1	818.2	130.79	2.0333	1.578
31.00	1256.7	818.8	130.74	2.0000	1.579
32.00	1257.2	819.3	130.67	1.9688	1.580
33.00	1257.8	819.9	130.61	1.9394	1.582
34.00	1258.2	820.3	130.55	1.9118	1.583
35.00	1258.7	820.8	130.48	1.8857	1.584
36.00	1259.1	821.2	130.42	1.8611	1.585
37.00	1259.6	821.6	130.36	1.8378	1.586
38.00	1260.0	822.1	130.30	1.8158	1.588
39.00	1260.4	822.5	130.24	1.7949	1.589
40.00	1260.8	822.9	130.18	1.7750	1.590
41.00	1261.2	823.3	130.13	1.7561	1.591
42.00	1261.5	823.5	130.09	1.7381	1.591
43.00	1261.9	824.0	130.05	1.7209	1.592
44.00	1262.2	824.3	130.01	1.7045	1.593
45.00	1262.5	824.6	129.94	1.6889	1.594
46.00	1262.8	824.9	129.89	1.6739	1.595
47.00	1263.1	825.2	129.84	1.6596	1.596
48.00	1263.4	825.5	129.79	1.6458	1.596
49.00	1263.7	825.8	129.74	1.6327	1.597
50.00	1264.0	826.1	129.69	1.6200	1.598
51.00	1264.3	826.4	129.63	1.6078	1.598
52.00	1264.5	826.6	129.59	1.5962	1.599
53.00	1264.7	826.8	129.55	1.5849	1.600
54.00	1265.0	827.0	129.51	1.5741	1.600
55.00	1265.2	827.3	129.47	1.5636	1.601
56.00	1265.5	827.6	129.43	1.5536	1.601
57.00	1265.6	827.7	129.39	1.5439	1.602
58.00	1265.8	827.9	129.36	1.5345	1.602
59.00	1266.1	828.2	129.33	1.5254	1.603
60.00	1266.2	828.3	129.29	1.5167	1.603
***** End Shut-in 1					
***** Start Flow 2					
0.00	443.3	0.0	129.22		
1.00	451.4	8.0	129.19		
2.00	459.4	16.0	129.24		
3.00	467.6	24.3	129.50		
4.00	475.4	32.0	130.06		
5.00	483.3	39.9	130.71		
6.00	490.9	47.5	131.25		
7.00	498.7	55.4	131.71		

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: Tk #10722 DST #1 J & B Inc #1 Nor-West Ks Oil LLC
 DATE: 12/26/97 TIME: 20:13:48

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	8.00	505.9	62.5	132.06		
	9.00	513.2	69.9	132.36		
	10.00	520.2	76.9	132.58		
	11.00	527.5	84.1	132.77		
	12.00	534.3	90.9	132.94		
	13.00	541.5	98.2	133.09		
	14.00	548.6	105.2	133.20		
	15.00	555.4	112.0	133.31		
	16.00	562.1	118.7	133.40		
	17.00	569.1	125.7	133.48		
	18.00	575.7	132.4	133.55		
	19.00	582.6	139.2	133.62		
	20.00	589.0	145.7	133.66		
	21.00	595.8	152.4	133.71		
	22.00	602.1	158.8	133.75		
	23.00	608.8	165.4	133.78		
	24.00	614.9	171.6	133.79		
	25.00	621.4	178.1	133.80		
	26.00	627.6	184.3	133.84		
	27.00	634.0	190.6	133.86		
	28.00	640.1	196.8	133.87		
***** End Flow 2	29.00	646.2	202.8	133.89		
***** Start Shutin 2	0.00	646.2	0.0	133.89	0.0000	0.418
	1.00	1165.9	519.7	133.93	61.0000	1.359
	2.00	1189.6	543.4	133.97	31.0000	1.415
	3.00	1202.3	556.1	133.98	21.0000	1.446
	4.00	1210.8	564.6	133.96	16.0000	1.466
	5.00	1217.0	570.8	133.91	13.0000	1.481
	6.00	1221.8	575.6	133.85	11.0000	1.493
	7.00	1225.6	579.5	133.76	9.5714	1.502
	8.00	1228.8	582.6	133.68	8.5000	1.510
	9.00	1231.6	585.4	133.59	7.6667	1.517
	10.00	1234.0	587.8	133.50	7.0000	1.523
	11.00	1236.0	589.9	133.43	6.4545	1.528
	12.00	1237.9	591.7	133.36	6.0000	1.532
	13.00	1239.6	593.4	133.30	5.6154	1.537
	14.00	1241.0	594.9	133.24	5.2857	1.540
	15.00	1242.4	596.3	133.21	5.0000	1.544
	16.00	1243.6	597.4	133.14	4.7500	1.547
	17.00	1244.9	598.7	132.99	4.5294	1.550
	18.00	1245.9	599.7	133.03	4.3333	1.552
	19.00	1246.9	600.7	132.99	4.1579	1.555
	20.00	1247.8	601.6	132.95	4.0000	1.557
	21.00	1248.7	602.5	132.91	3.8571	1.559
	22.00	1249.5	603.3	132.87	3.7273	1.561
	23.00	1250.2	604.0	132.83	3.6087	1.563
	24.00	1251.0	604.8	132.79	3.5000	1.565
	25.00	1251.6	605.4	132.75	3.4000	1.567
	26.00	1252.2	606.0	132.70	3.3077	1.568
	27.00	1252.9	606.7	132.66	3.2222	1.570
	28.00	1253.5	607.3	132.62	3.1429	1.571

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk #10722 DST #1 J & B Inc #1 Nor-West Ks Oil LLC

DATE: 12/26/97 TIME: 20:13:48

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	29.00	1254.0	607.8	132.59	3.0690	1.573
	30.00	1254.5	608.3	132.55	3.0000	1.574
	31.00	1254.9	608.8	132.51	2.9355	1.575
	32.00	1255.4	609.2	132.47	2.8750	1.576
	33.00	1255.9	609.7	132.42	2.8182	1.577
	34.00	1256.3	610.2	132.39	2.7647	1.578
	35.00	1256.7	610.5	132.34	2.7143	1.579
	36.00	1257.1	610.9	132.31	2.6667	1.580
	37.00	1257.6	611.4	132.27	2.6216	1.581
	38.00	1257.9	611.7	132.23	2.5789	1.582
	39.00	1258.3	612.1	132.20	2.5385	1.583
	40.00	1258.6	612.4	132.16	2.5000	1.584
	41.00	1258.9	612.7	132.12	2.4634	1.585
	42.00	1259.2	613.0	132.08	2.4286	1.586
	43.00	1259.6	613.4	132.05	2.3953	1.586
	44.00	1259.9	613.7	132.01	2.3636	1.587
	45.00	1260.2	614.0	131.97	2.3333	1.588
	46.00	1260.5	614.3	131.94	2.3043	1.589
	47.00	1260.7	614.5	131.89	2.2766	1.589
	48.00	1261.0	614.8	131.87	2.2500	1.590
	49.00	1261.3	615.1	131.81	2.2245	1.591
	50.00	1261.5	615.3	131.78	2.2000	1.591
	51.00	1261.7	615.6	131.72	2.1765	1.592
	52.00	1262.0	615.8	131.67	2.1538	1.593
	53.00	1262.2	616.0	131.64	2.1321	1.593
	54.00	1262.4	616.2	131.58	2.1111	1.594
	55.00	1262.6	616.4	131.54	2.0909	1.594
	56.00	1262.9	616.7	131.49	2.0714	1.595
	57.00	1263.1	616.9	131.44	2.0526	1.595
	58.00	1263.2	617.1	131.40	2.0345	1.596
	59.00	1263.4	617.2	131.37	2.0169	1.596
***** End Shut-in 2	60.00	1263.6	617.4	131.34	2.0000	1.597
***** Final Hydro.	274.00	1949.0	0.0	131.30		

TRILOBITE TESTING L.L.C.

OPERATOR : Nor-West Ks Oil LLC
WELL NAME: J&B Inc #1
LOCATION : 2-6S-33W Thomas Co Ks
INTERVAL : 4140.00 To 4180.00 ft

DATE 12-27-97
KB 3116.00 ft TICKET NO: 10723 DST #2
GR 3111.00 ft FORMATION: "J" LKC
TD 4180.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13754	13754	2141			PF Fr. 2100 to 2130 hr
SI 60 Range(Psi)	4000.0	4000.0	4995.0	0.0	0.0	IS Fr. 2130 to 2230 hr
SF 30 Clock(hrs)	12hr	12hr	Elect			SF Fr. 2230 to 2300 hr
FS 60 Depth(ft)	4177.0	4177.0	4146.0	0.0	0.0	FS Fr. 2300 to 2400 hr

	Field	1	2	3	4	
A. Init Hydro	2127.0	2132.0	2077.0	0.0	0.0	T STARTED 1914 hr
B. First Flow	29.0	46.0	17.0	0.0	0.0	T ON BOTM 2057 hr
B1. Final Flow	147.0	142.0	140.0	0.0	0.0	T OPEN 2100 hr
C. In Shut-in	285.0	285.0	285.0	0.0	0.0	T PULLED 2400 hr
D. Init Flow	177.0	181.0	145.0	0.0	0.0	T OUT 0200 hr
E. Final Flow	226.0	223.0	210.0	0.0	0.0	
F. Fl Shut-in	305.0	300.0	284.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2036.0	2052.0	2062.0	0.0	0.0	Tool Wt. 1000.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 75000.00 lbs
						Initial Str Wt 68000.00 lbs
						Unseated Str Wt 70000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 534.00 ft
						D.P. Length 3608.00 ft

RECOVERY

Tot Fluid 430.00 ft of 430.00 ft in DC and 0.00 ft in DP
10.00 ft of Clean oil 100% oil
300.00 ft of Slightly oil cut mud 5%oil 95%mud
120.00 ft of Slightly oil cut muddy water
0.00 ft of 5%oil 70%water 25%mud
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
SALINITY 26000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial blow - Strong bottom of bucket
in 26 min

Final blow - Weak building to 4"

SAMPLES:
SENT TO:

MUD DATA-----
Mud Type Chemical
Weight 9.30 lb/c
Vis. 44.00 S/L
W.L. 10.80 in3
F.C. 0.00 in
Mud Drop N

Amt. of fill 0.00 ft
Btm. H. Temp. 125.00 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. Pat Wanker
Contr. Murfin
Rig # 3
Unit #
Pump T.

Test Successful: Y

*** TOOL DIAGRAM *** CONV

WELL NAME: J&B Inc #1

LOCATION : 2-6S-33W Thomas Co Ks

TICKET No. 10723 D.S.T. No. 2 DATE 12-27-97

TOTAL TOOL TO BOTTOM OF TOP PACKERS 23

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 40

TOTAL TOOL 63

DRILL COLLAR ANCHOR IN INTERVAL

C. ANCHOR STND.Stands Single Total

P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 63

C. ABOVE TOOLS.Stands9 Single Total 534

P. ABOVE TOOLS.Stands58 Single Total 3608

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4205

TOTAL DEPTH 4180

TOTAL DRILL PIPE ABOVE K.B. 25

REMARKS:

Had to short trip pulled tight coming out for
OST #2

P.O. SUB	3393
C.O. SUB	4117
S.I. TOOL	4123
HMV	4128
JARS n/a	
SAFETY JOINT	4131
PACKER	4135
PACKER	4140
DEPTH 4140	
STUBB 1'	4141
ANCHOR 4' Perfs	4145
Alpine @ 4146	
5' Perfs	4150
5' Perfs	4155
5' Perfs	4160
5' Perfs	4165
T.C.	
DEPTH	
5' Perfs	4170
5' Perfs	4175
AK-1 @ 4177	
BULLNOSE 5' Bullplug	4180
T.D.	

TEST HISTORY

TK #10723 DST #2 J&B Inc #1 Nor-West Ks Oil LLC

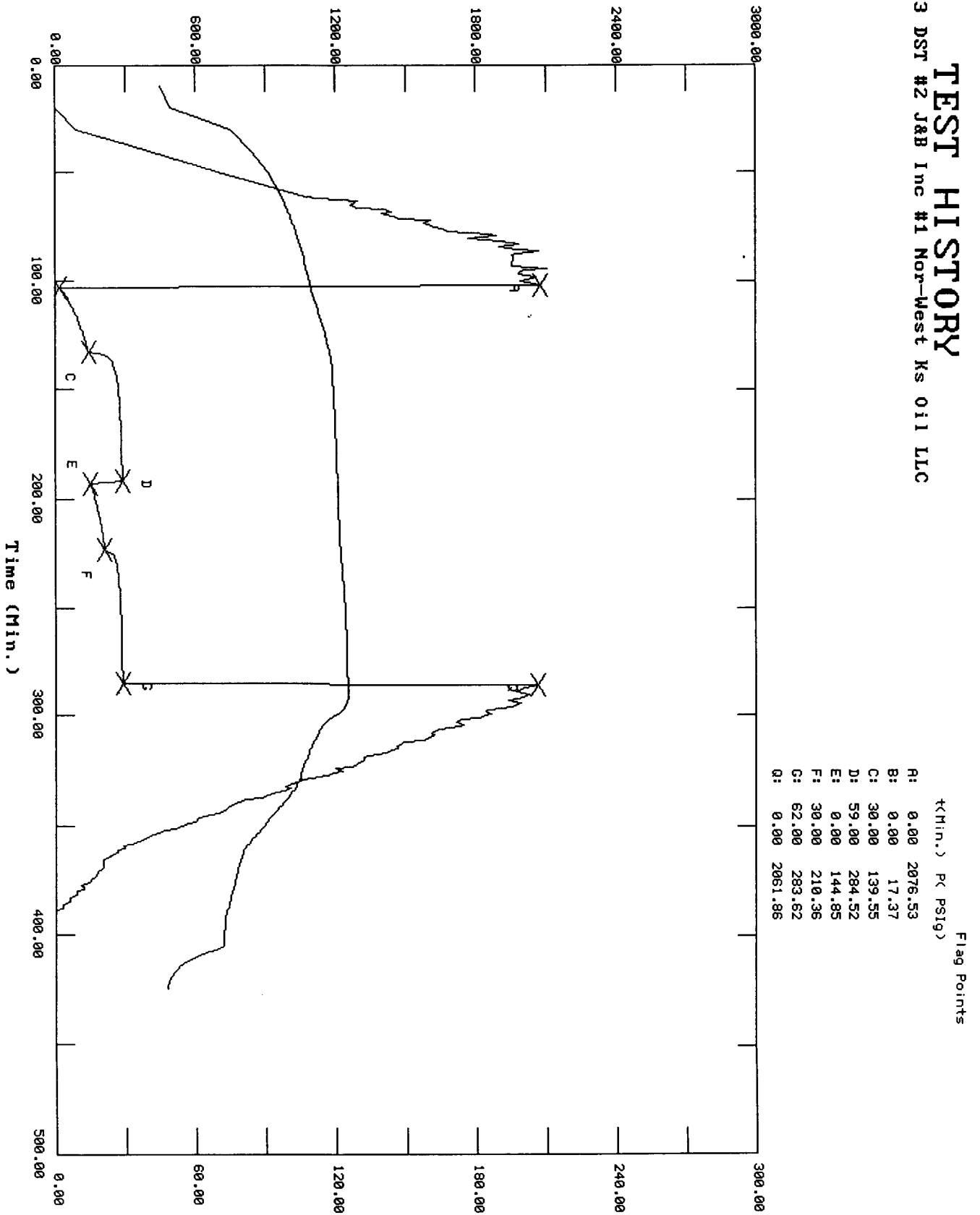
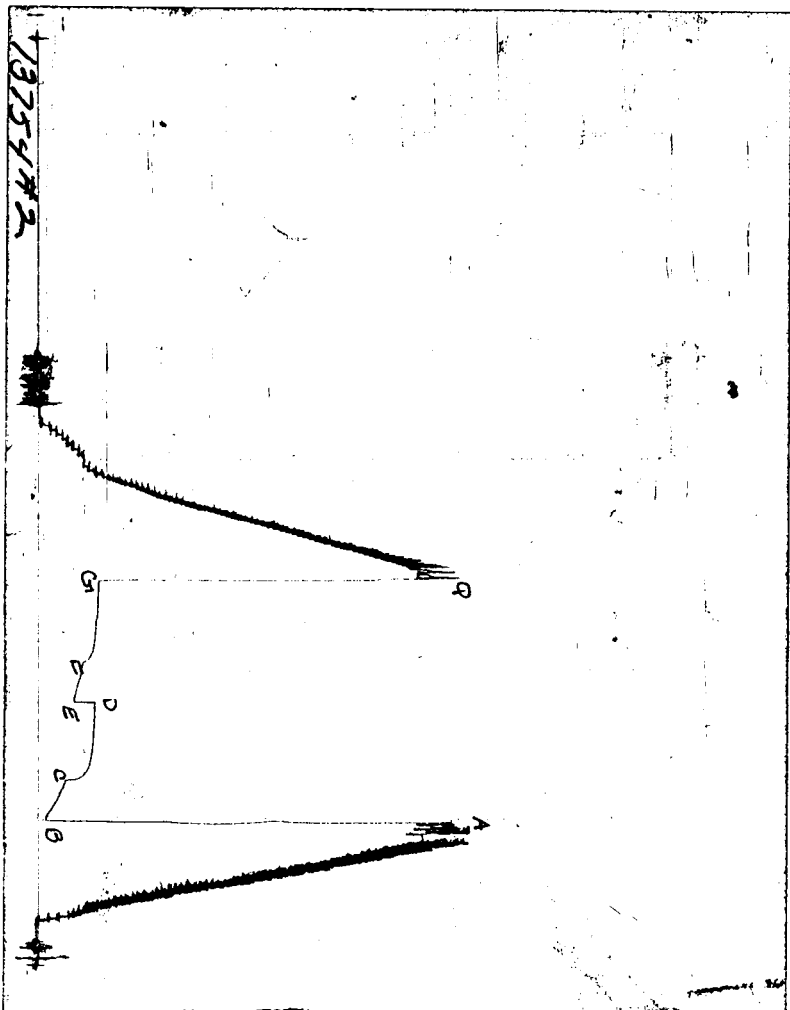


CHART PAGE



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

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TK #10723 DST #2 J&B Inc #1 Nor-West Ks Oil LLC
 DATE: 12/27/97 TIME: 19:14:44

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	102.00	2076.5	0.0	109.37		
***** Start Flow 1	0.00	17.4	0.0	109.52		
	1.00	24.4	7.1	109.71		
	2.00	31.7	14.3	109.89		
	3.00	40.7	23.4	110.06		
	4.00	42.8	25.5	110.37		
	5.00	49.1	31.7	110.76		
	6.00	54.4	37.0	111.19		
	7.00	59.0	41.6	111.53		
	8.00	63.3	45.9	111.87		
	9.00	68.3	51.0	112.17		
	10.00	73.2	55.9	112.46		
	11.00	77.3	59.9	112.73		
	12.00	83.9	66.5	113.01		
	13.00	87.5	70.2	113.29		
	14.00	91.4	74.1	113.58		
	15.00	94.8	77.4	113.87		
	16.00	98.4	81.1	114.14		
	17.00	101.9	84.5	114.41		
	18.00	105.1	87.8	114.67		
	19.00	108.3	91.0	114.93		
	20.00	111.7	94.4	115.18		
	21.00	115.1	97.7	115.43		
	22.00	118.0	100.7	115.68		
	23.00	120.9	103.5	115.91		
	24.00	123.9	106.5	116.14		
	25.00	126.8	109.5	116.38		
	26.00	129.7	112.3	116.60		
	27.00	132.3	115.0	116.82		
	28.00	134.6	117.2	117.05		
	29.00	137.3	119.9	117.27		
***** End Flow 1	30.00	139.6	122.2	117.49		
***** Start Shutin 1	0.00	139.6	0.0	117.49	0.0000	0.019
	1.00	205.2	65.6	117.70	31.0000	0.042
	2.00	220.0	80.4	117.92	16.0000	0.048
	3.00	229.5	89.9	118.11	11.0000	0.053
	4.00	236.3	96.7	118.27	8.5000	0.056
	5.00	241.7	102.1	118.38	7.0000	0.058
	6.00	246.1	106.5	118.48	6.0000	0.061
	7.00	249.7	110.1	118.56	5.2857	0.062
	8.00	252.6	113.1	118.64	4.7500	0.064
	9.00	255.2	115.7	118.69	4.3333	0.065
	10.00	257.5	117.9	118.75	4.0000	0.066
	11.00	259.5	119.9	118.80	3.7273	0.067
	12.00	261.2	121.6	118.84	3.5000	0.068
	13.00	262.7	123.2	118.89	3.3077	0.069
	14.00	264.1	124.6	118.95	3.1429	0.070
	15.00	265.4	125.8	119.00	3.0000	0.070
	16.00	266.5	127.0	119.05	2.8750	0.071
	17.00	267.6	128.0	119.11	2.7647	0.072
	18.00	268.5	129.0	119.16	2.6667	0.072

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TK #10723 DST #2 J&B Inc #1 Nor-West Ks Oil LLC

DATE: 12/27/97 TIME: 19:14:44

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	19.00	269.5	129.9	119.21	2.5789	0.073
	20.00	270.2	130.7	119.27	2.5000	0.073
	21.00	271.0	131.4	119.32	2.4286	0.073
	22.00	271.7	132.2	119.37	2.3636	0.074
	23.00	272.4	132.8	119.43	2.3043	0.074
	24.00	273.0	133.4	119.48	2.2500	0.075
	25.00	273.6	134.0	119.52	2.2000	0.075
	26.00	274.1	134.6	119.58	2.1538	0.075
	27.00	274.7	135.1	119.62	2.1111	0.075
	28.00	275.2	135.7	119.68	2.0714	0.076
	29.00	275.7	136.1	119.73	2.0345	0.076
	30.00	276.1	136.5	119.77	2.0000	0.076
	31.00	276.6	137.0	119.83	1.9677	0.076
	32.00	277.0	137.4	119.87	1.9375	0.077
	33.00	277.3	137.8	119.92	1.9091	0.077
	34.00	277.8	138.3	119.96	1.8824	0.077
	35.00	278.2	138.6	120.01	1.8571	0.077
	36.00	278.5	139.0	120.05	1.8333	0.078
	37.00	278.9	139.3	120.10	1.8108	0.078
	38.00	279.2	139.6	120.14	1.7895	0.078
	39.00	279.5	139.9	120.19	1.7692	0.078
	40.00	279.8	140.3	120.24	1.7500	0.078
	41.00	280.1	140.6	120.27	1.7317	0.078
	42.00	280.4	140.9	120.31	1.7143	0.079
	43.00	280.7	141.2	120.36	1.6977	0.079
	44.00	281.1	141.5	120.41	1.6818	0.079
	45.00	281.2	141.7	120.44	1.6667	0.079
	46.00	281.6	142.0	120.48	1.6522	0.079
	47.00	281.9	142.3	120.51	1.6383	0.079
	48.00	282.0	142.5	120.55	1.6250	0.080
	49.00	282.4	142.8	120.59	1.6122	0.080
	50.00	282.6	143.0	120.63	1.6000	0.080
	51.00	282.8	143.2	120.66	1.5882	0.080
	52.00	283.0	143.5	120.70	1.5769	0.080
	53.00	283.3	143.7	120.74	1.5660	0.080
	54.00	283.5	143.9	120.77	1.5556	0.080
	55.00	283.7	144.2	120.80	1.5455	0.080
	56.00	283.9	144.3	120.84	1.5357	0.081
	57.00	284.1	144.6	120.86	1.5263	0.081
	58.00	284.3	144.8	120.89	1.5172	0.081
***** End Shut-in 1	59.00	284.5	145.0	120.92	1.5085	0.081
***** Start Flow 2	0.00	144.9	0.0	120.95		
	1.00	148.6	3.7	120.97		
	2.00	152.6	7.8	121.00		
	3.00	157.1	12.2	121.02		
	4.00	160.4	15.5	121.05		
	5.00	163.3	18.4	121.08		
	6.00	166.1	21.2	121.11		
	7.00	168.7	23.8	121.11		
	8.00	170.7	25.9	121.15		
	9.00	173.0	28.1	121.17		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
TEST: TK #10723 DST #2 J&B Inc #1 Nor-West Ks Oil LLC
DATE: 12/27/97 TIME: 19:14:44

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	10.00	175.1	30.2	121.21		
	11.00	177.3	32.4	121.24		
	12.00	179.4	34.6	121.27		
	13.00	181.3	36.5	121.31		
	14.00	183.4	38.5	121.33		
	15.00	185.3	40.5	121.36		
	16.00	187.5	42.7	121.40		
	17.00	189.6	44.7	121.44		
	18.00	191.5	46.7	121.48		
	19.00	193.2	48.4	121.52		
	20.00	195.0	50.2	121.57		
	21.00	196.8	52.0	121.62		
	22.00	198.5	53.6	121.67		
	23.00	200.2	55.3	121.72		
	24.00	201.7	56.9	121.78		
	25.00	203.3	58.5	121.84		
	26.00	204.8	59.9	121.90		
	27.00	205.9	61.1	121.95		
	28.00	207.3	62.5	122.02		
	29.00	208.8	63.9	122.09		
***** End Flow 2	30.00	210.4	65.5	122.16		
***** Start Shutin 2	0.00	210.4	0.0	122.16	0.0000	0.044
	1.00	226.5	16.2	122.22	61.0000	0.051
	2.00	242.4	32.0	122.29	31.0000	0.059
	3.00	248.2	37.9	122.37	21.0000	0.062
	4.00	252.4	42.1	122.44	16.0000	0.064
	5.00	255.6	45.2	122.51	13.0000	0.065
	6.00	258.1	47.8	122.58	11.0000	0.067
	7.00	260.2	49.9	122.66	9.5714	0.068
	8.00	262.0	51.6	122.73	8.5000	0.069
	9.00	263.5	53.1	122.80	7.6667	0.069
	10.00	264.8	54.5	122.88	7.0000	0.070
	11.00	265.9	55.6	122.95	6.4545	0.071
	12.00	267.0	56.6	123.02	6.0000	0.071
	13.00	267.9	57.6	123.09	5.6154	0.072
	14.00	268.8	58.5	123.16	5.2857	0.072
	15.00	269.5	59.2	123.23	5.0000	0.073
	16.00	270.2	59.9	123.30	4.7500	0.073
	17.00	270.9	60.6	123.36	4.5294	0.073
	18.00	271.5	61.1	123.42	4.3333	0.074
	19.00	272.1	61.7	123.50	4.1579	0.074
	20.00	272.6	62.3	123.57	4.0000	0.074
	21.00	273.1	62.7	123.60	3.8571	0.075
	22.00	273.6	63.2	123.66	3.7273	0.075
	23.00	274.0	63.7	123.73	3.6087	0.075
	24.00	274.4	64.1	123.79	3.5000	0.075
	25.00	274.8	64.5	123.84	3.4000	0.076
	26.00	275.3	64.9	123.89	3.3077	0.076
	27.00	275.6	65.2	123.95	3.2222	0.076
	28.00	276.0	65.6	124.01	3.1429	0.076
	29.00	276.3	66.0	124.05	3.0690	0.076

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: TK #10723 DST #2 J&B Inc #1 Nor-West Ks Oil LLC
 DATE: 12/27/97 TIME: 19:14:44

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	30.00	276.7	66.3	124.09	3.0000	0.077
	31.00	277.0	66.6	124.13	2.9355	0.077
	32.00	277.3	67.0	124.18	2.8750	0.077
	33.00	277.6	67.2	124.23	2.8182	0.077
	34.00	277.9	67.5	124.28	2.7647	0.077
	35.00	278.3	67.9	124.33	2.7143	0.077
	36.00	278.5	68.2	124.35	2.6667	0.078
	37.00	278.7	68.3	124.40	2.6216	0.078
	38.00	279.0	68.6	124.45	2.5789	0.078
	39.00	279.2	68.9	124.47	2.5385	0.078
	40.00	279.5	69.1	124.50	2.5000	0.078
	41.00	279.7	69.3	124.54	2.4634	0.078
	42.00	280.0	69.6	124.57	2.4286	0.078
	43.00	280.2	69.8	124.60	2.3953	0.078
	44.00	280.4	70.0	124.63	2.3636	0.079
	45.00	280.6	70.3	124.66	2.3333	0.079
	46.00	280.9	70.5	124.69	2.3043	0.079
	47.00	281.0	70.7	124.72	2.2766	0.079
	48.00	281.3	70.9	124.75	2.2500	0.079
	49.00	281.5	71.1	124.77	2.2245	0.079
	50.00	281.7	71.3	124.80	2.2000	0.079
	51.00	281.9	71.5	124.82	2.1765	0.079
	52.00	282.0	71.7	124.85	2.1538	0.080
	53.00	282.3	71.9	124.88	2.1321	0.080
	54.00	282.4	72.0	124.90	2.1111	0.080
	55.00	282.7	72.3	124.92	2.0909	0.080
	56.00	282.8	72.4	124.95	2.0714	0.080
	57.00	283.0	72.6	124.97	2.0526	0.080
	58.00	283.2	72.8	124.99	2.0345	0.080
	59.00	283.4	73.0	125.01	2.0169	0.080
	60.00	283.5	73.2	125.03	2.0000	0.080
	61.00	283.7	73.3	125.05	1.9836	0.080
***** End Shut-in 2	62.00	283.6	73.3	125.06	1.9677	0.080
***** Final Hydro.	286.00	2061.9	0.0	125.19		

TRILOBITE TESTING L.L.C.

OPERATOR : Nor-West Kansas Oil LLC
WELL NAME: J&B Inc #1
LOCATION : 2-6S-33W Thomas Co Ks
INTERVAL : 4416.00 To 4472.00 ft

DATE 12-29-97
KB 3116.00 ft TICKET NO: 10724 DST #3
GR 3111.00 ft FORMATION: Cherokee
TD 4472.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13754	13754	2341			PF Fr. 0845 to 0915 hr
SI 30 Range(Psi)	4000.0	4000.0	4995.0	0.0	0.0	IS Fr. 0915 to 0945 hr
SF 30 Clock(hrs)	12hr	12hr	Elect			SF Fr. 0945 to 1015 hr
FS 30 Depth(ft)	4469.0	4469.0	4423.0	0.0	0.0	FS Fr. 1015 to 1045 hr

	Field	1	2	3	4	
A. Init Hydro	2289.0	2293.0	2272.0	0.0	0.0	T STARTED 0632 hr
B. First Flow	39.0	57.0	22.0	0.0	0.0	T ON BOTM 0842 hr
B1. Final Flow	39.0	43.0	22.0	0.0	0.0	T OPEN 0845 hr
C. In Shut-in	334.0	327.0	334.0	0.0	0.0	T PULLED 1045 hr
D. Init Flow	49.0	55.0	18.0	0.0	0.0	T OUT 1230 hr
E. Final Flow	49.0	62.0	21.0	0.0	0.0	
F. Fl Shut-in	108.0	112.0	100.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2238.0	2239.0	2242.0	0.0	0.0	Tool Wt. 1000.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 90000.00 lbs
						Initial Str Wt 70000.00 lbs
						Unseated Str Wt 70000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 534.00 ft
						D.P. Length 3886.00 ft

RECOVERY

Tot Fluid 10.00 ft of 10.00 ft in DC and 0.00 ft in DP
10.00 ft of Drilling 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 - Weak 1/4" decreasing to
weak surface blow

Final blow - No blow

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.30 lb/c
Vis.	48.00 S/L
W.L.	12.20 in3
F.C.	0.00 in
Mud Drop N	

Amt. of fill	0.00 ft
Btm. H. Temp.	120.00 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.	Pat Wanker
Contr.	Murfin
Rig #	3
Unit #	
Pump T.	

Test Successful: Y

*** TOOL DIAGRAM *** CONV

ELL NAME: J&B Inc #1	P.O. SUB	4269
	C.O. SUB	4393
LOCATION : 2-6S-33W Thomas Co Ks	S.I. TOOL	4399
TICKET No. 10724 D.S.T. No. 3 DATE 12-29-97		
TOTAL TOOL TO BOTTOM OF TOP PACKERS 23	HMV	4404
INTERVAL TOOL		
TOTAL PACKERS AND ANCHOR 25	JARS n/a	
TOTAL TOOL 48		
RILL COLLAR ANCHOR IN INTERVAL		
C. ANCHOR STND.Stands Single Total	SAFETY JOINT	4407
P. ANCHOR STND.Stands Single 1 Total 31	PACKER	4411
TOTAL ASSEMBLY 79	PACKER	4416
C. ABOVE TOOLS.Stands9 Single Total 534	DEPTH 4416	
P. ABOVE TOOLS.Stands63 Single Total 3886	STUBB 1'	4417
TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4499	ANCHOR 5' Perfs	4422
	Alpine @ 4423	
TOTAL DEPTH 4472		
TOTAL DRILL PIPE ABOVE K.B. 27	1' co sub	4423
REMARKS:	1 jt dp 31'	4454
	1' co sub	4455
	T.C.	
	DEPTH	
	5' Perfs	4460
	5' Perfs	4465
	2' Perfs	4467
	AK-1 @ 4469	
	BULLNOSE 5' Bullplug	4472
	T.D.	

TEST HISTORY

Tk #10724 DST #3 J&B Inc #1 Nor-West Ks Oil LLC

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2271.52
B:	0.00	21.77
C:	32.00	19.24
D:	29.00	333.77
E:	0.00	18.21
F:	29.00	21.31
G:	30.00	100.07
Q:	0.00	2222.69

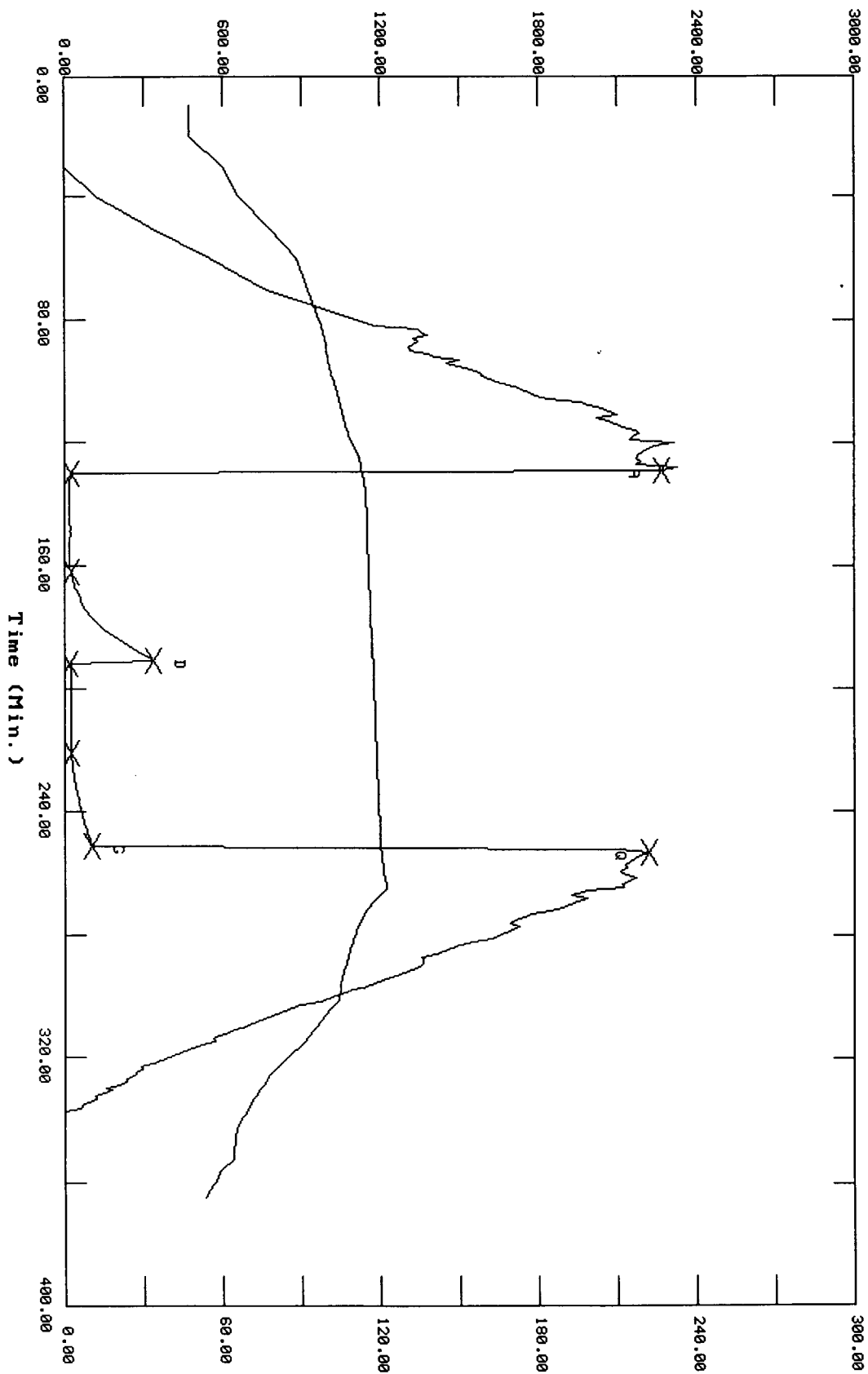
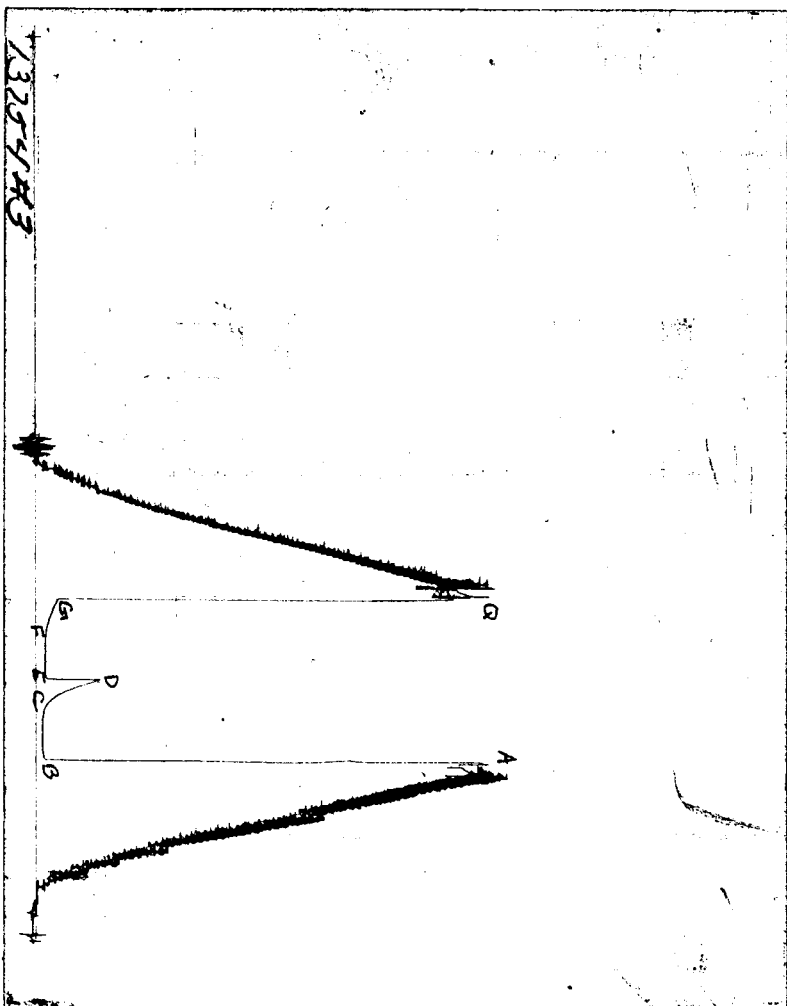


CHART PAGE



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

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: Tk #10724 DST #3 J&B Inc #1 Nor-West Ks Oil LLC
 DATE: 12/29/97 TIME: 06:32:26

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	129.00	2271.5	0.0	112.94		
***** Start Flow 1	0.00	21.8	0.0	113.22		
	1.00	19.0	-2.8	113.50		
	2.00	18.2	-3.6	113.76		
	3.00	17.7	-4.1	113.98		
	4.00	17.4	-4.4	114.15		
	5.00	17.3	-4.5	114.29		
	6.00	17.3	-4.5	114.41		
	7.00	17.2	-4.5	114.51		
	8.00	17.2	-4.5	114.60		
	9.00	17.2	-4.5	114.68		
	10.00	17.3	-4.5	114.74		
	11.00	17.2	-4.5	114.79		
	12.00	17.3	-4.4	114.83		
	13.00	17.3	-4.5	114.87		
	14.00	17.3	-4.4	114.91		
	15.00	17.4	-4.4	114.94		
	16.00	17.2	-4.6	114.97		
	17.00	18.6	-3.2	115.01		
	18.00	18.8	-2.9	115.05		
	19.00	18.3	-3.4	115.09		
	20.00	19.9	-1.9	115.12		
	21.00	16.0	-5.8	115.17		
	22.00	16.0	-5.7	115.20		
	23.00	16.1	-5.6	115.25		
	24.00	16.2	-5.6	115.29		
	25.00	16.3	-5.5	115.33		
	26.00	16.3	-5.4	115.37		
	27.00	16.4	-5.4	115.42		
	28.00	16.6	-5.1	115.46		
	29.00	16.9	-4.9	115.51		
	30.00	17.6	-4.2	115.56		
	31.00	18.3	-3.5	115.61		
***** End Flow 1	32.00	19.2	-2.5	115.66		
***** Start Shutin 1	0.00	19.2	0.0	115.66	0.0000	0.000
	1.00	22.1	2.9	115.72	33.0000	0.000
	2.00	24.9	5.6	115.77	17.0000	0.001
	3.00	28.0	8.8	115.82	11.6667	0.001
	4.00	31.4	12.2	115.88	9.0000	0.001
	5.00	35.1	15.9	115.93	7.4000	0.001
	6.00	39.2	19.9	115.99	6.3333	0.002
	7.00	44.1	24.9	116.04	5.5714	0.002
	8.00	49.3	30.0	116.11	5.0000	0.002
	9.00	54.7	35.4	116.14	4.5556	0.003
	10.00	59.2	40.0	116.17	4.2000	0.004
	11.00	65.3	46.0	116.23	3.9091	0.004
	12.00	71.6	52.4	116.29	3.6667	0.005
	13.00	80.5	61.3	116.34	3.4615	0.006
	14.00	85.7	66.5	116.39	3.2857	0.007
	15.00	99.3	80.1	116.45	3.1333	0.01
	16.00	111.4	92.2	116.50	3.0000	0.012

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk #10724 DST #3 J&B Inc #1 Nor-West Ks Oil LLC

DATE: 12/29/97

TIME: 06:32:26

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	17.00	123.7	104.4	116.55	2.8824	0.015
	18.00	135.6	116.4	116.60	2.7778	0.018
	19.00	150.1	130.9	116.66	2.6842	0.023
	20.00	166.8	147.6	116.71	2.6000	0.028
	21.00	183.4	164.2	116.77	2.5238	0.034
	22.00	200.6	181.3	116.83	2.4545	0.040
	23.00	218.3	199.1	116.88	2.3913	0.048
	24.00	236.8	217.5	116.94	2.3333	0.056
	25.00	256.0	236.8	116.99	2.2800	0.066
	26.00	276.2	256.9	117.05	2.2308	0.076
	27.00	296.8	277.6	117.11	2.1852	0.088
	28.00	319.1	299.8	117.16	2.1429	0.102
***** End Shut-in 1	29.00	333.8	314.5	117.22	2.1034	0.111
***** Start Flow 2	0.00	18.2	0.0	117.25		
	1.00	18.5	0.2	117.31		
	2.00	18.7	0.5	117.36		
	3.00	18.8	0.6	117.40		
	4.00	19.0	0.8	117.44		
	5.00	18.9	0.7	117.48		
	6.00	19.1	0.9	117.52		
	7.00	19.2	1.0	117.57		
	8.00	19.3	1.1	117.61		
	9.00	19.4	1.2	117.65		
	10.00	19.7	1.5	117.71		
	11.00	20.1	1.8	117.75		
	12.00	21.3	3.1	117.80		
	13.00	19.8	1.6	117.84		
	14.00	20.6	2.4	117.88		
	15.00	19.9	1.7	117.93		
	16.00	20.1	1.8	117.98		
	17.00	20.1	1.9	118.03		
	18.00	20.2	2.0	118.07		
	19.00	20.2	2.0	118.13		
	20.00	20.4	2.2	118.17		
	21.00	20.4	2.2	118.22		
	22.00	20.5	2.3	118.26		
	23.00	21.1	2.9	118.31		
	24.00	20.6	2.4	118.35		
	25.00	20.7	2.5	118.41		
	26.00	20.8	2.6	118.46		
	27.00	20.8	2.6	118.50		
	28.00	20.9	2.7	118.54		
***** End Flow 2	29.00	21.3	3.1	118.60		
***** Start Shutin 2	0.00	21.3	0.0	118.60	0.0000	0.000
	1.00	22.5	1.2	118.64	62.0000	0.001
	2.00	24.1	2.8	118.70	31.5000	0.001
	3.00	25.6	4.3	118.75	21.3333	0.001
	4.00	27.1	5.7	118.79	16.2500	0.001
	5.00	28.8	7.4	118.85	13.2000	0.001
	6.00	30.4	9.1	118.90	11.1667	0.001
	7.00	32.1	10.8	118.96	9.7143	0.001

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: Tk #10724 DST #3 J&B Inc #1 Nor-West Ks Oil LLC
 DATE: 12/29/97 TIME: 06:32:26

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	8.00	33.8	12.5	119.00	8.6250	0.001
	9.00	35.7	14.4	119.05	7.7778	0.001
	10.00	37.8	16.4	119.10	7.1000	0.001
	11.00	39.8	18.5	119.16	6.5455	0.002
	12.00	41.9	20.6	119.20	6.0833	0.002
	13.00	44.2	22.9	119.25	5.6923	0.002
	14.00	46.5	25.2	119.30	5.3571	0.002
	15.00	48.9	27.6	119.35	5.0667	0.002
	16.00	51.3	30.0	119.40	4.8125	0.003
	17.00	53.9	32.6	119.44	4.5882	0.003
	18.00	56.6	35.3	119.49	4.3889	0.003
	19.00	59.3	38.0	119.53	4.2105	0.004
	20.00	62.6	41.2	119.59	4.0500	0.004
	21.00	65.1	43.8	119.63	3.9048	0.004
	22.00	68.7	47.4	119.67	3.7727	0.005
	23.00	71.6	50.3	119.72	3.6522	0.005
	24.00	75.1	53.8	119.77	3.5417	0.006
	25.00	78.8	57.5	119.81	3.4400	0.006
	26.00	82.5	61.1	119.87	3.3462	0.007
	27.00	86.5	65.2	119.91	3.2593	0.007
	28.00	90.8	69.5	119.96	3.1786	0.008
	29.00	95.1	73.8	120.00	3.1034	0.009
***** End Shut-in 2	30.00	100.1	78.8	120.06	3.0333	0.010
***** Final Hydro.	253.00	2222.7	0.0	120.28		