15-171-20532 6-18s-31w

WELL NAME:	Berning #1
COMPANY:	Wabash Energy Corp.
LOCATION:	6-18s-31w
	Scott County, Kansas
DATE:	7/2/98

NW-SW-SW

TRILOBITE TESTING L.L.C.

OPERATOR : Wabash Energy Corp. DATE 6-28-98
WELL NAME: Berning #1 KB 2969.00 ft TICKET NO: 11074 DST #1
LOCATION : 6-18s-31w Scott co. KS GR 2961.00 ft FORMATION: LK "J"
INTERVAL : 4188.00 To 4221.00 ft TD 4221.00 ft TEST TYPE: CONV.

RECORDER DATA

	Mins		Field	1	2	3	4
PF	30	Rec.	11057	11057	2342		
SI	60	Range(Psi)	4500.0	4500.0	4995.0	0.0	0.0
SF	30	Clock(hrs)	12	12	alpin		
FS	60	Depth(ft)	4216.0	4216.0	4189.0	0.0	0.0

TIME DATA----------
PF Fr. 1925 to 1955 hr
IS Fr. 1955 to 2055 hr
SF Fr. 2055 to 2125 hr
FS Fr. 2125 to 2225 hr

	Field	1	2	3	4
A. Init Hydro	0.0	0.0	2095.0	0.0	0.0
B. First Flow	0.0	0.0	23.0	0.0	0.0
B1. Final Flow	0.0	0.0	218.0	0.0	0.0
C. In Shut-in	0.0	0.0	982.0	0.0	0.0
D. Init Flow	0.0	0.0	227.0	0.0	0.0
E. Final Flow	0.0	0.0	394.0	0.0	0.0
F. Fl Shut-in	0.0	0.0	974.0	0.0	0.0
G. Final Hydro	0.0	0.0	1983.0	0.0	0.0
Inside/Outside	i		o		

T STARTED 1730 hr
T ON BOTM 1921 hr
T OPEN 1925 hr
T PULLED 2225 hr
T OUT 1240 hr

RECOVERY
Tot Fluid 810.00 ft of 0.00 ft in DC and 810.00 ft in DP
90.00 ft of mud cut water 35 %mud 65% water
0.00 ft of good show of free oil on top
120.00 ft of slightly mud cut water 15% mud 85%water
0.00 ft of oil scum
600.00 ft of sulfur water oil scum
0.00 ft of
0.00 ft of
0.00 ft of
SALINITY 29000.00 P.P.M. A.P.I. Gravity 0.00

TOOL DATA----------

Tool Wt.	4000.00 lbs
Wt Set On Packer	26000.00 lbs
Wt Pulled Loose	68000.00 lbs
Initial Str Wt	45000.00 lbs
Unseated Str Wt	53000.00 lbs
Bot Choke	0.75 in
Hole Size	7.79 in
D Col. ID	2.25 in
D. Pipe ID	3.40 in
D.C. Length	0.00 ft
D.P. Length	4190.00 ft

BLOW DESCRIPTION
Initial Flow:
Bottom of bucket in 9 mins.
Initial Shut-in:
No return
Final Flow:
Bottom of bucket in 9 1/2 mins.
Final Shut-in:
No return

MUD DATA----------

Mud Type	Chemical
Weight	9.10 lb/c
Vis.	52.00 S/L
W.L.	10.40 in3
F.C.	0.00 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	132.00 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	Shane McBride
Co. Rep.	Larry Whitmer
Contr.	Dis
Rig #	2
Unit #	
Pump T.	

SAMPLES:
SENT TO:

Test Successful: Y

*** TOOL DIAGRAM *** CONV.

WELL NAME: Berning #1

LOCATION : 6-18s-31w Scott co. KS

TICKET No. 11074 D.S.T. No. 1 DATE 6-28-98

TOTAL TOOL TO BOTTOM OF TOP PACKERS 20

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR 33

TOTAL TOOL 53

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 53

D.C. ABOVE TOOLS.Stands Single Total

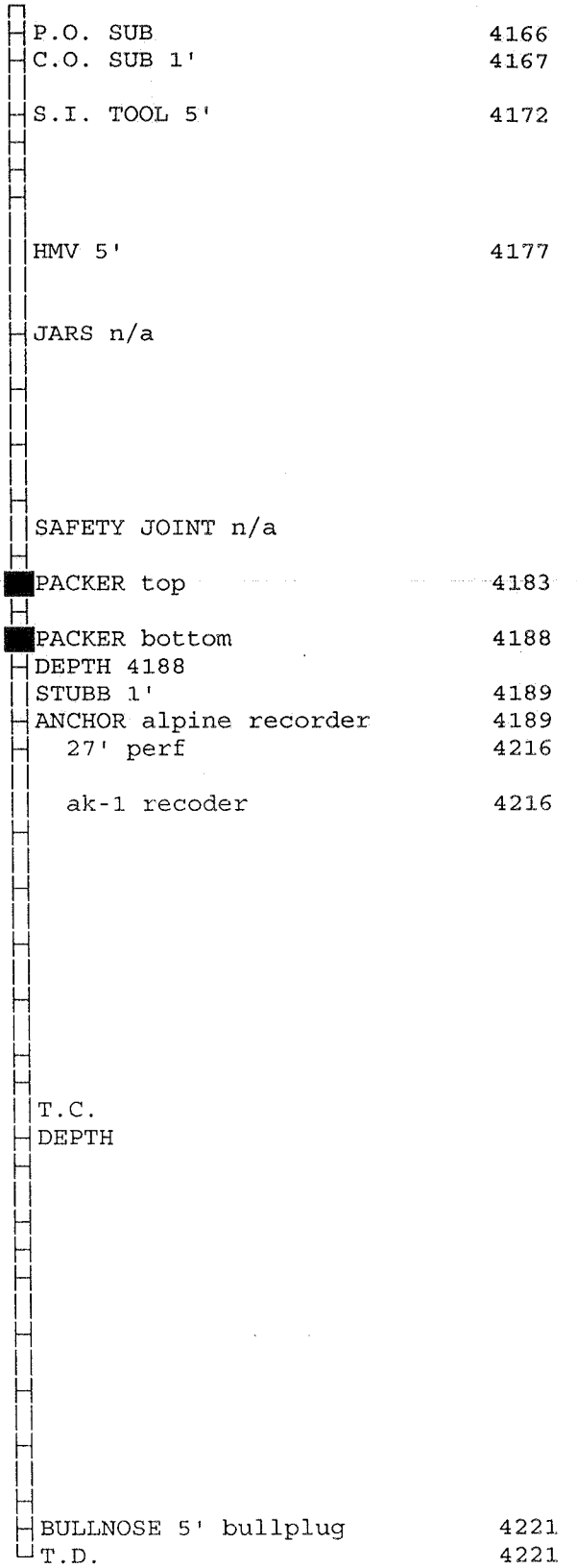
D.P. ABOVE TOOLS.Stands Single Total 4190

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4243

TOTAL DEPTH 4221

TOTAL DRILL PIPE ABOVE K.B. 22

REMARKS:



TEST HISTORY

11074 DST #1 Wabash Energy .

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2095.47
B:	0.00	23.94
C:	29.00	218.60
D:	60.00	982.28
E:	0.00	227.03
F:	30.00	394.84
G:	61.00	974.19
Q:	0.00	1983.14

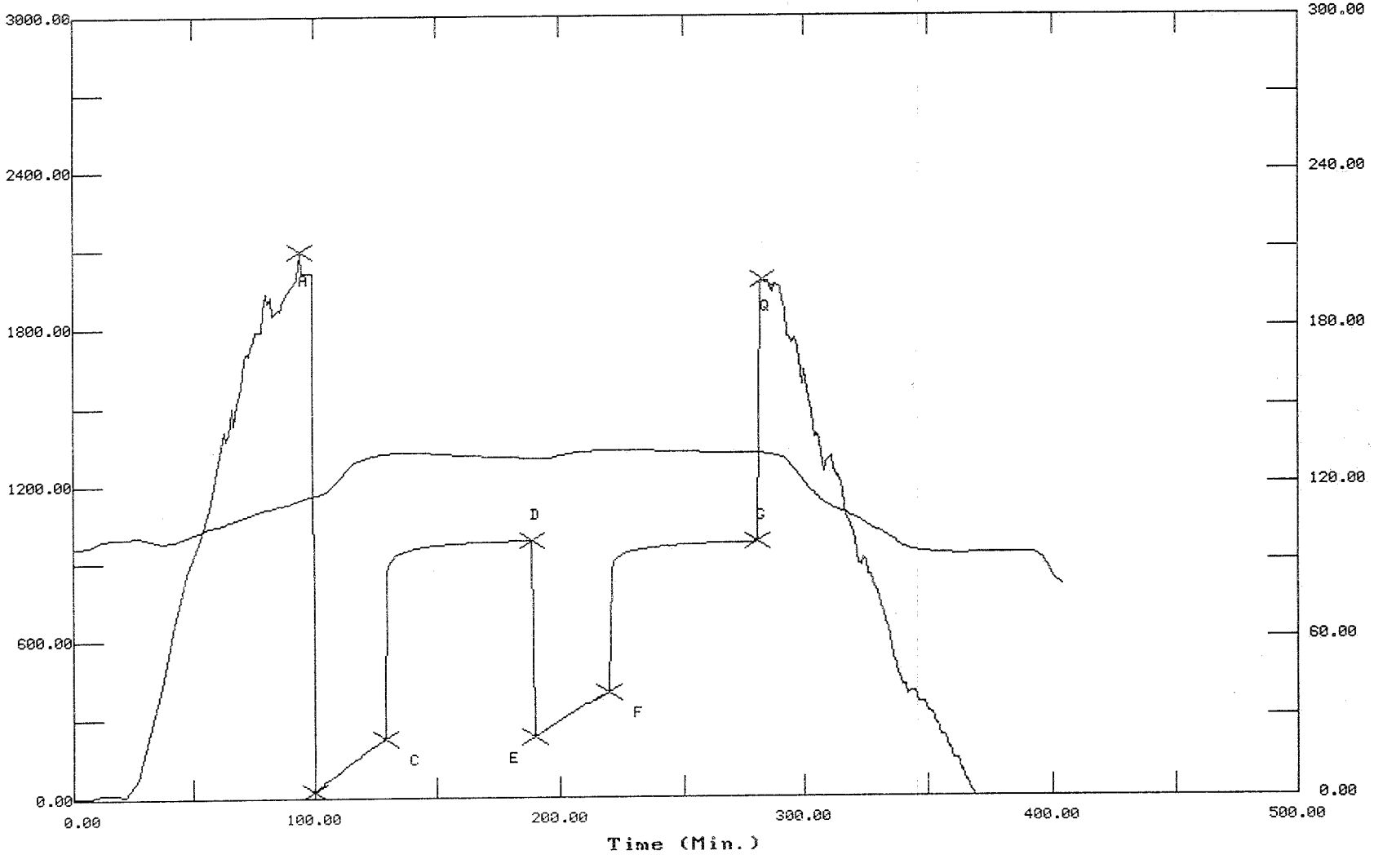
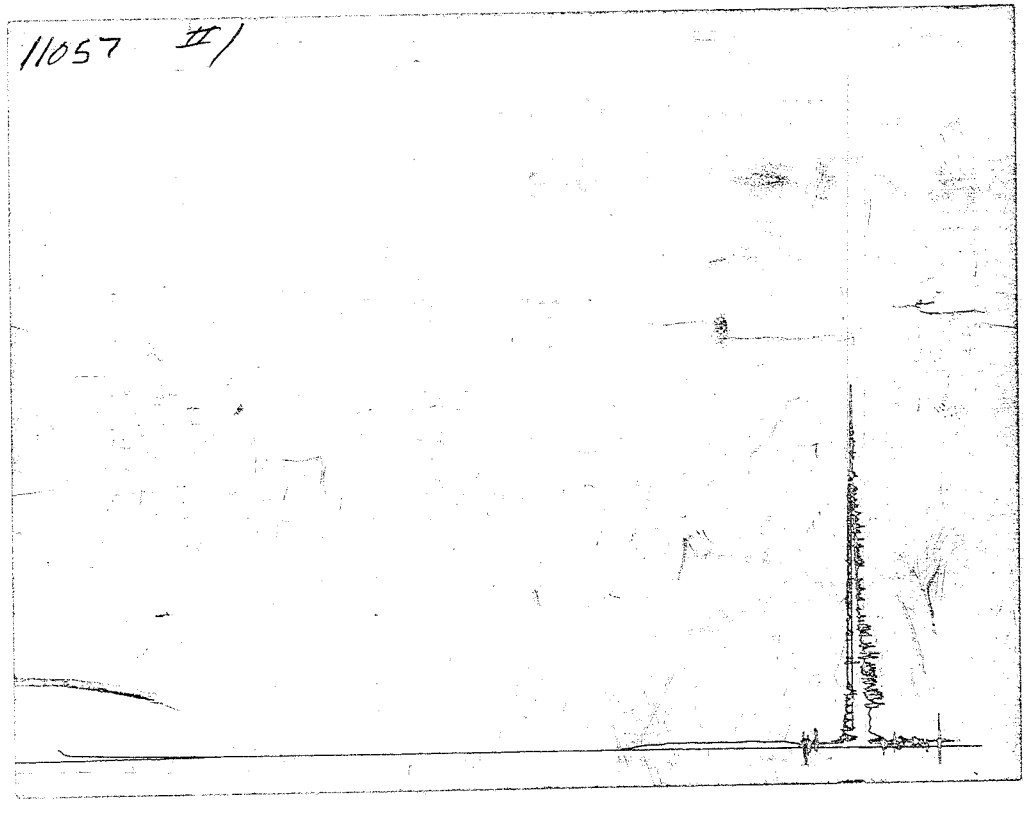


CHART PAGE



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

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 11074 DST #1 Wabash Energy .

DATE: 06/28/98 TIME: 17:48:36

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
****** Initial Hydro.	94.00	2095.5	0.0	114.39		
****** Start Flow 1	0.00	23.9	0.0	116.08		
	1.00	32.8	8.9	116.20		
	2.00	41.2	17.2	116.33		
	3.00	47.8	23.9	116.64		
	4.00	55.2	31.3	117.18		
	5.00	62.1	38.2	117.78		
	6.00	69.1	45.2	118.44		
	7.00	75.6	51.7	119.26		
	8.00	82.3	58.4	120.24		
	9.00	89.1	65.2	121.36		
	10.00	96.1	72.2	122.56		
	11.00	102.9	79.0	123.74		
	12.00	109.9	86.0	124.84		
	13.00	117.0	93.1	125.85		
	14.00	123.9	99.9	126.74		
	15.00	130.8	106.8	127.50		
	16.00	137.5	113.5	128.17		
	17.00	144.2	120.3	128.75		
	18.00	150.6	126.7	129.25		
	19.00	156.9	133.0	129.69		
	20.00	163.6	139.6	130.09		
	21.00	169.7	145.8	130.42		
	22.00	176.3	152.3	130.72		
	23.00	182.4	158.5	130.97		
	24.00	188.8	164.8	131.19		
	25.00	194.8	170.9	131.40		
	26.00	201.0	177.1	131.58		
	27.00	206.9	183.0	131.73		
	28.00	213.0	189.0	131.85		
****** End Flow 1	29.00	218.6	194.7	131.96		
****** Start Shutin 1	0.00	218.6	0.0	131.96	0.0000	0.048
	1.00	864.2	645.6	132.06	30.0000	0.747
	2.00	896.9	678.3	132.16	15.5000	0.804
	3.00	910.9	692.3	132.25	10.6667	0.830
	4.00	920.0	701.4	132.32	8.2500	0.846
	5.00	926.7	708.1	132.37	6.8000	0.859
	6.00	932.0	713.4	132.42	5.8333	0.869
	7.00	936.4	717.8	132.45	5.1429	0.877
	8.00	940.1	721.5	132.47	4.6250	0.884
	9.00	943.3	724.7	132.49	4.2222	0.890
	10.00	946.2	727.6	132.49	3.9000	0.895
	11.00	948.7	730.1	132.48	3.6364	0.900
	12.00	950.9	732.3	132.47	3.4167	0.904
	13.00	953.0	734.4	132.46	3.2308	0.908
	14.00	955.0	736.4	132.44	3.0714	0.912
	15.00	956.6	738.0	132.40	2.9333	0.915
	16.00	958.1	739.5	132.35	2.8125	0.918
	17.00	959.5	740.9	132.29	2.7059	0.921
	18.00	960.9	742.3	132.24	2.6111	0.923
	19.00	962.1	743.5	132.18	2.5263	0.926

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 11074 DST #1 Wabash Energy .

DATE: 06/28/98 TIME: 17:48:36

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	20.00	963.3	744.7	132.13	2.4500	0.928
	21.00	964.3	745.7	132.06	2.3810	0.930
	22.00	965.4	746.8	132.01	2.3182	0.932
	23.00	966.3	747.7	131.94	2.2609	0.934
	24.00	967.1	748.5	131.88	2.2083	0.935
	25.00	968.0	749.4	131.82	2.1600	0.937
	26.00	968.8	750.2	131.76	2.1154	0.939
	27.00	969.6	751.0	131.69	2.0741	0.940
	28.00	970.3	751.7	131.58	2.0357	0.941
	29.00	971.0	752.4	131.54	2.0000	0.943
	30.00	971.6	753.0	131.48	1.9667	0.944
	31.00	972.2	753.6	131.43	1.9355	0.945
	32.00	972.7	754.1	131.37	1.9062	0.946
	33.00	973.3	754.7	131.31	1.8788	0.947
	34.00	973.9	755.3	131.26	1.8529	0.949
	35.00	974.4	755.8	131.21	1.8286	0.950
	36.00	974.9	756.3	131.16	1.8056	0.950
	37.00	975.4	756.8	131.13	1.7838	0.951
	38.00	975.9	757.2	131.08	1.7632	0.952
	39.00	976.3	757.7	131.04	1.7436	0.953
	40.00	976.6	758.0	130.99	1.7250	0.954
	41.00	977.0	758.4	130.93	1.7073	0.955
	42.00	977.4	758.8	130.88	1.6905	0.955
	43.00	977.7	759.1	130.81	1.6744	0.956
	44.00	978.1	759.5	130.75	1.6591	0.957
	45.00	978.4	759.8	130.71	1.6444	0.957
	46.00	978.8	760.2	130.66	1.6304	0.958
	47.00	979.1	760.5	130.63	1.6170	0.959
	48.00	979.3	760.7	130.60	1.6042	0.959
	49.00	979.6	761.0	130.56	1.5918	0.960
	50.00	979.8	761.2	130.54	1.5800	0.960
	51.00	980.1	761.5	130.53	1.5686	0.961
	52.00	980.4	761.8	130.51	1.5577	0.961
	53.00	980.6	762.0	130.48	1.5472	0.962
	54.00	980.9	762.3	130.45	1.5370	0.962
	55.00	981.1	762.5	130.42	1.5273	0.963
	56.00	981.4	762.8	130.40	1.5179	0.963
	57.00	981.6	763.0	130.38	1.5088	0.964
	58.00	981.9	763.3	130.34	1.5000	0.964
	59.00	982.0	763.4	130.31	1.4915	0.964
****** End Shut-in 1	60.00	982.3	763.7	130.27	1.4833	0.965
****** Start Flow 2	0.00	227.0	0.0	130.22		
	1.00	233.5	6.4	130.15		
	2.00	240.0	13.0	130.06		
	3.00	246.2	19.2	130.00		
	4.00	252.1	25.0	129.98		
	5.00	258.5	31.5	130.05		
	6.00	264.4	37.4	130.21		
	7.00	270.8	43.7	130.42		
	8.00	276.7	49.6	130.67		
	9.00	282.8	55.8	130.92		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 11074 DST #1 Wabash Energy .

DATE: 06/28/98 TIME: 17:48:36

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	10.00	288.5	61.4	131.17		
	11.00	294.4	67.4	131.41		
	12.00	300.1	73.0	131.62		
	13.00	305.6	78.5	131.82		
	14.00	311.6	84.6	131.99		
	15.00	317.0	90.0	132.13		
	16.00	322.9	95.9	132.26		
	17.00	328.2	101.2	132.37		
	18.00	333.6	106.5	132.47		
	19.00	339.1	112.0	132.56		
	20.00	344.2	117.1	132.63		
	21.00	349.6	122.6	132.70		
	22.00	354.7	127.7	132.76		
	23.00	359.7	132.7	132.81		
	24.00	365.1	138.0	132.86		
	25.00	370.0	143.0	132.90		
	26.00	375.0	147.9	132.94		
	27.00	380.2	153.1	132.96		
	28.00	385.0	157.9	133.00		
	29.00	390.1	163.0	133.01		
****** End Flow 2	30.00	394.8	167.8	133.01		
****** Start Shutin 2	0.00	394.8	0.0	133.01	0.0000	0.156
	1.00	857.8	463.0	133.05	60.0000	0.736
	2.00	897.4	502.6	133.07	30.5000	0.805
	3.00	910.1	515.2	133.12	20.6667	0.828
	4.00	917.9	523.1	133.15	15.7500	0.843
	5.00	923.7	528.8	133.17	12.8000	0.853
	6.00	928.3	533.4	133.20	10.8333	0.862
	7.00	932.0	537.2	133.20	9.4286	0.869
	8.00	935.3	540.4	133.19	8.3750	0.875
	9.00	938.0	543.2	133.18	7.5556	0.880
	10.00	940.5	545.7	133.17	6.9000	0.885
	11.00	942.7	547.9	133.13	6.3636	0.889
	12.00	944.6	549.8	133.10	5.9167	0.892
	13.00	946.5	551.6	133.05	5.5385	0.896
	14.00	948.1	553.3	133.02	5.2143	0.899
	15.00	949.7	554.8	133.01	4.9333	0.902
	16.00	951.0	556.2	132.96	4.6875	0.904
	17.00	952.2	557.4	132.92	4.4706	0.907
	18.00	953.5	558.7	132.90	4.2778	0.909
	19.00	954.6	559.8	132.84	4.1053	0.911
	20.00	955.6	560.8	132.80	3.9500	0.913
	21.00	956.7	561.8	132.77	3.8095	0.915
	22.00	957.5	562.7	132.74	3.6818	0.917
	23.00	958.4	563.6	132.69	3.5652	0.919
	24.00	959.3	564.4	132.66	3.4583	0.920
	25.00	959.9	565.1	132.62	3.3600	0.922
	26.00	960.8	565.9	132.59	3.2692	0.923
	27.00	961.5	566.6	132.55	3.1852	0.924
	28.00	962.1	567.2	132.52	3.1071	0.926
	29.00	962.8	567.9	132.49	3.0345	0.927

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 11074 DST #1 Wabash Energy .

DATE: 06/28/98 TIME: 17:48:36

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	30.00	963.4	568.5	132.46	2.9667	0.928
	31.00	964.0	569.1	132.42	2.9032	0.929
	32.00	964.5	569.7	132.40	2.8438	0.930
	33.00	965.0	570.2	132.36	2.7879	0.931
	34.00	965.5	570.7	132.32	2.7353	0.932
	35.00	966.0	571.2	132.29	2.6857	0.933
	36.00	966.5	571.7	132.26	2.6389	0.934
	37.00	966.9	572.1	132.23	2.5946	0.935
	38.00	967.4	572.5	132.20	2.5526	0.936
	39.00	967.9	573.0	132.17	2.5128	0.937
	40.00	968.2	573.4	132.15	2.4750	0.937
	41.00	968.6	573.8	132.11	2.4390	0.938
	42.00	969.0	574.1	132.07	2.4048	0.939
	43.00	969.3	574.5	132.05	2.3721	0.940
	44.00	969.7	574.8	132.03	2.3409	0.940
	45.00	970.0	575.1	132.01	2.3111	0.941
	46.00	970.3	575.4	131.99	2.2826	0.941
	47.00	970.6	575.8	131.97	2.2553	0.942
	48.00	970.9	576.1	131.94	2.2292	0.943
	49.00	971.2	576.4	131.92	2.2041	0.943
	50.00	971.5	576.7	131.90	2.1800	0.944
	51.00	971.8	576.9	131.88	2.1569	0.944
	52.00	972.1	577.2	131.84	2.1346	0.945
	53.00	972.3	577.4	131.82	2.1132	0.945
	54.00	972.6	577.8	131.80	2.0926	0.946
	55.00	972.9	578.0	131.77	2.0727	0.946
	56.00	973.0	578.2	131.76	2.0536	0.947
	57.00	973.3	578.5	131.74	2.0351	0.947
	58.00	973.5	578.7	131.72	2.0172	0.948
	59.00	973.8	578.9	131.70	2.0000	0.948
	60.00	974.0	579.2	131.68	1.9833	0.949
****** End Shut-in 2	61.00	974.2	579.3	131.66	1.9672	0.949
****** Final Hydro.	283.00	1983.1	0.0	131.66		

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 11074

Well Name & No. Bening #1 Test No. 1 Date 6-28-98

Company Wabash Energy Corp. Zone Tested I

Address P.O. Box 595 Lawrenceville IL 62439 Elevation 2969 KB 2961' GL

Co. Rep / Geo. Larry Whitmer Cont. D.S #2 Est. Ft. of Pay ____ Por. ____ %

Location: Sec. 4 Twp. 18 Rge. 31 Co. Scott State KS

No. of Copies Norm Distribution Sheet (Y, N) N Turnkey (Y, N) ____ Evaluation (Y, N) ____

Interval Tested 4188 4221 Initial Str Wt./Lbs. 45,000 Unseated Str Wt./Lbs. 53,000

Anchor Length 33 Wt. Set Lbs. 26,000 Wt. Pulled Loose/Lbs. 68,000

Top Packer Depth 4183 Tool Weight 4,000

Bottom Packer Depth 4188 Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓

Total Depth 4221 Wt. Pipe Run — Drill Collar Run —

Mud Wt. 9.1 LCM 1 Vis. 52 WL 10.4 Drill Pipe Size 4½ XH Ft. Run 4190'

Blow Description B.O.B in 9 m.w
No return
B.O.B in 9½ m.w.
No return

Recovery — Total Feet 810' GIP — Ft. in DC — Ft. in DP 810'

Rec. 90'	Feet Of Mud Cut Water	good show of Oil on top	%gas good show	%oil 65	%water 35	%mud
Rec. 120'	Feet Of Oily Mud Cut Water		%gas scum	%oil 85	%water 15	%mud
Rec. 600'	Feet Of Sulfur Water oil scum		%gas scum	%oil 100	%water	%mud
Rec.	Feet Of		%gas	%oil	%water	%mud
Rec.	Feet Of		%gas	%oil	%water	%mud

BHT 132° °F Gravity — °API D@ — °F Corrected Gravity — °API

RW .19 @ 80 °F Chlorides 29,000 ppm Recovery Chlorides 2000 ppm System

(A) Initial Hydrostatic Mud	2095 PSI	Recorder No.		T-Started	12:30 P.M
(B) First Initial Flow Pressure	23 PSI	(depth)	4189'	T-Open	19:25 P.M
(C) First Final Flow Pressure	218 PSI	Recorder No.	11057	T-Pulled	22:25 P.M
(D) Initial Shut-in Pressure	982 PSI	(depth)	4216'	T-Out	12:40 A.M.
(E) Second Initial Flow Pressure	227 PSI	Recorder No.			
(F) Second Final Flow Pressure	394 PSI	(depth)			
(G) Final Shut-in Pressure	974 PSI	Initial Opening	30	Test X	700
(H) Final Hydrostatic Mud	1983 PSI	Initial Shut-in	60	Jars	
AK-1 ALPINE		Final Flow	30	Safety Joint	
		Final Shut-in	60	Straddle	
				Circ. Sub	X X/C
				Sampler	
				Extra Packer	
				Elect. Rec. X	150
				Other	

Stopped clock.

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]

TRILOBITE TESTING L.L.C.

OPERATOR : Wabash Energy Corp.
WELL NAME: Berning #1
LOCATION : 6-18s-31w Scott co. KS
INTERVAL : 4545.00 To 4567.00 ft

DATE 6-30-98
KB 2969.00 ft
GR 2961.00 ft
TD 4567.00 ft
TICKET NO: 11075 DST #2
FORMATION: cherokee
TEST TYPE: CONV.

RECORDER DATA

Mins		Field	1	2	3	4
PF 30	Rec.	11058	11058	2346		
SI 60	Range(Psi)	4500.0	4500.0	4995.0	0.0	0.0
SF 30	Clock(hrs)	12	12	alpin		
FS 60	Depth(ft)	4564.0	4564.0	4546.0	0.0	0.0

TIME DATA----------
PF Fr. 0745 to 0815 hr
IS Fr. 0815 to 0915 hr
SF Fr. 0915 to 0945 hr
FS Fr. 0945 to 1045 hr

	Field	1	2	3	4
A. Init Hydro	2289.0	2256.0	2271.0	0.0	0.0
B. First Flow	44.0	41.0	17.0	0.0	0.0
B1. Final Flow	44.0	41.0	19.0	0.0	0.0
C. In Shut-in	963.0	961.0	980.0	0.0	0.0
D. Init Flow	44.0	48.0	21.0	0.0	0.0
E. Final Flow	44.0	48.0	22.0	0.0	0.0
F. Fl Shut-in	794.0	796.0	796.0	0.0	0.0
G. Final Hydro	2266.0	2242.0	2193.0	0.0	0.0
Inside/Outside		i	i	o	

T STARTED 0612 hr
T ON BOTM 0741 hr
T OPEN 0745 hr
T PULLED 1045 hr
T OUT 1235 hr

TOOL DATA----------

Tool Wt.	4000.00 lbs
Wt Set On Packer	26000.00 lbs
Wt Pulled Loose	70000.00 lbs
Initial Str Wt	48000.00 lbs
Unseated Str Wt	48000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	0.00 in
D. Pipe ID	3.50 in
D.C. Length	0.00 ft
D.P. Length	4532.00 ft

RECOVERY
Tot Fluid 10.00 ft of 0.00 ft in DC and 10.00 ft in DP
10.00 ft of oil cut mud 15% oil 85% mud
0.00 ft of good show of free oil on top
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

MUD DATA----------

Mud Type	Chemical
Weight	9.10 lb/cf
Vis.	52.00 S/L
W.L.	10.40 in3
F.C.	0.00 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	129.00 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	Shane McBride
Co. Rep.	Larry Whitmer
Contr.	Discovery
Rig #	2
Unit #	
Pump T.	

BLOW DESCRIPTION
Initial Flow:
Weak 1/4" blow died in 9 1/2 mins.
Initial Shut-in:
No return
Final Flow:
No blow
Final Shut-in:
No return

SAMPLES:
SENT TO:

Test Successful: Y

TEST HISTORY

11075 DST #2 Berning #1 Wabash Energy Corp.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2271.81
B:	0.00	17.91
C:	30.00	19.49
D:	59.00	980.24
E:	0.00	21.97
F:	30.00	22.53
G:	61.00	796.51
Q:	0.00	2193.19

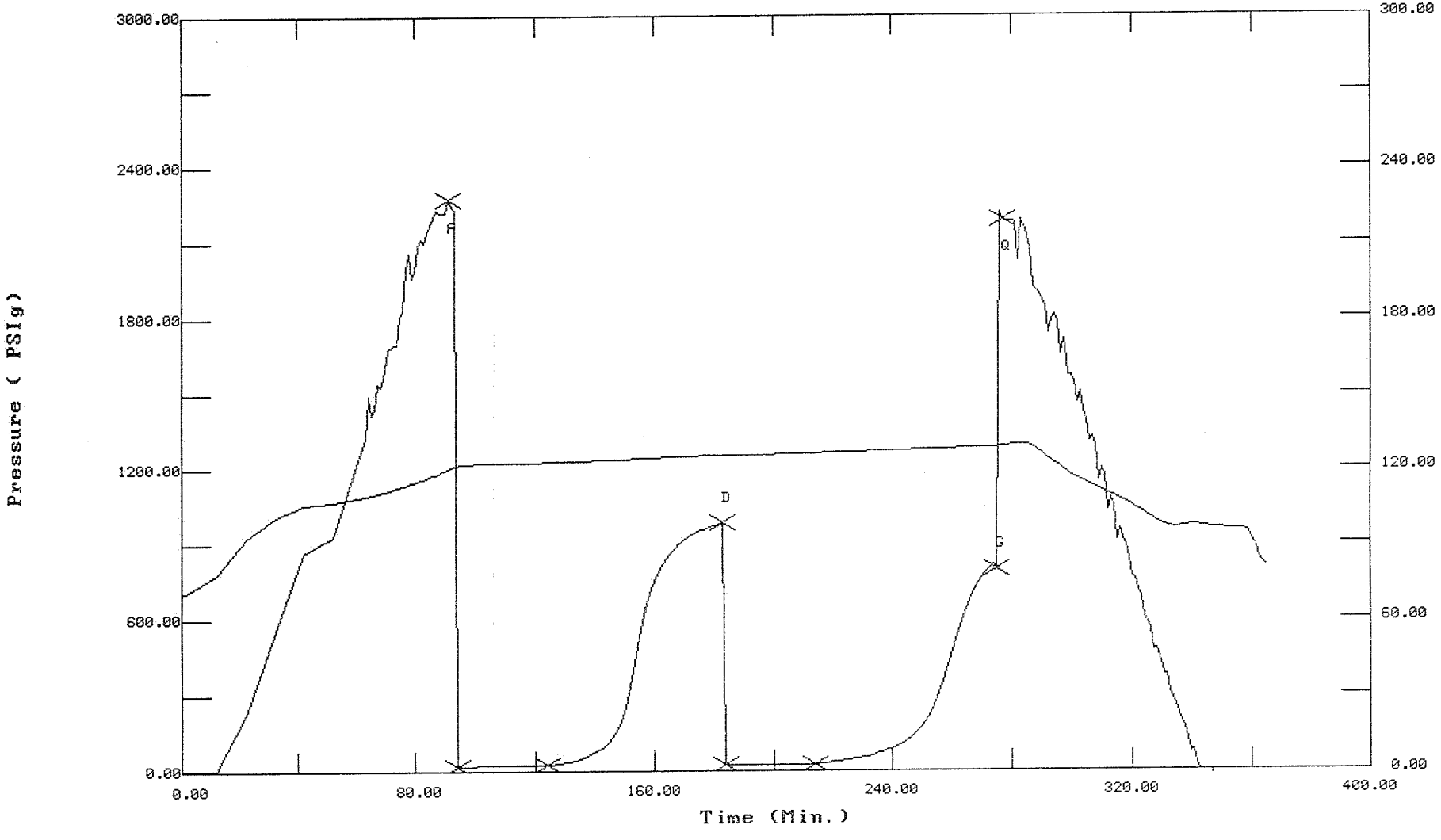
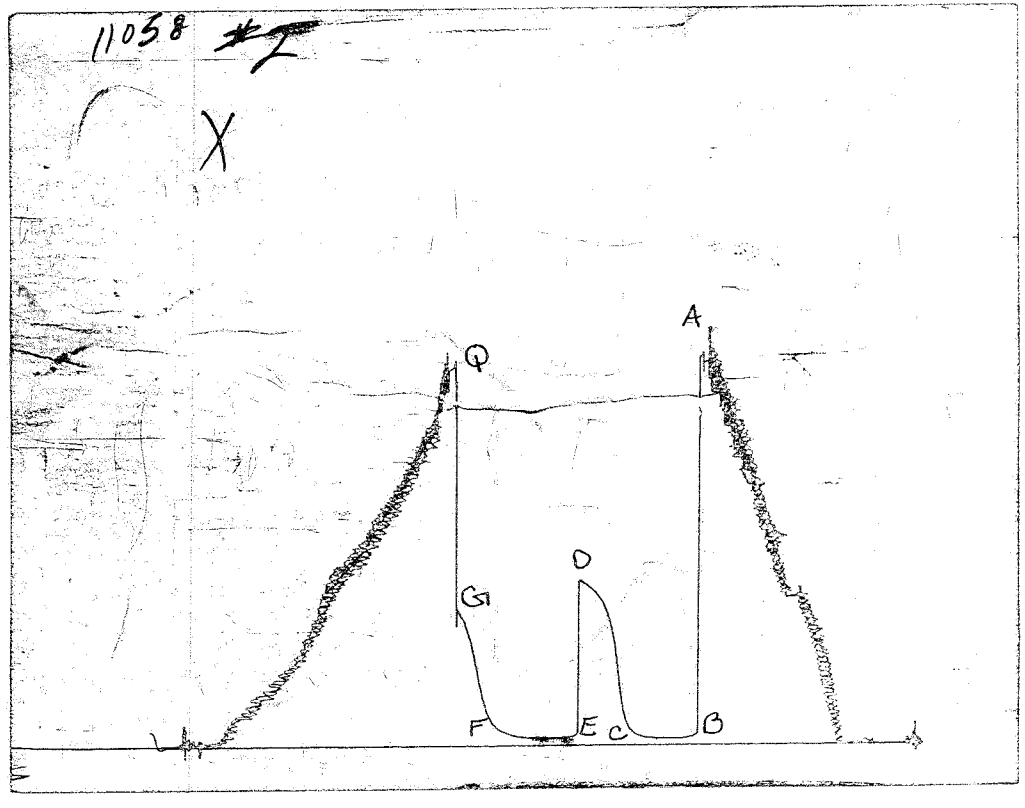


CHART PAGE



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

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 11075 DST #2 Berning #1 Wabash Energy Corp.

DATE: 06/30/98 TIME: 06:14:50

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	91.00	2271.8	0.0	120.02		
***** Start Flow 1	0.00	17.9	0.0	121.21		
	1.00	17.8	-0.1	121.47		
	2.00	17.2	-0.7	121.67		
	3.00	17.5	-0.4	121.81		
	4.00	17.8	-0.1	121.93		
	5.00	18.1	0.2	122.02		
	6.00	18.5	0.6	122.07		
	7.00	18.6	0.7	122.13		
	8.00	18.8	0.9	122.18		
	9.00	18.9	1.0	122.21		
	10.00	19.2	1.3	122.25		
	11.00	19.5	1.5	122.27		
	12.00	19.6	1.7	122.29		
	13.00	19.7	1.8	122.31		
	14.00	19.3	1.4	122.33		
	15.00	19.0	1.1	122.34		
	16.00	19.0	1.1	122.36		
	17.00	19.6	1.7	122.37		
	18.00	19.2	1.3	122.39		
	19.00	19.2	1.3	122.42		
	20.00	19.1	1.2	122.43		
	21.00	19.2	1.3	122.45		
	22.00	19.2	1.3	122.47		
	23.00	19.3	1.3	122.49		
	24.00	19.3	1.4	122.51		
	25.00	19.5	1.5	122.53		
	26.00	19.5	1.6	122.57		
	27.00	19.5	1.6	122.58		
	28.00	19.5	1.6	122.62		
	29.00	19.5	1.6	122.64		
****** End Flow 1	30.00	19.5	1.6	122.67		
****** Start Shutin 1	0.00	19.5	0.0	122.67	0.0000	0.000
	1.00	21.3	1.8	122.70	31.0000	0.000
	2.00	23.2	3.7	122.73	16.0000	0.001
	3.00	25.1	5.6	122.76	11.0000	0.001
	4.00	26.9	7.5	122.80	8.5000	0.001
	5.00	28.9	9.5	122.83	7.0000	0.001
	6.00	31.2	11.7	122.87	6.0000	0.001
	7.00	33.5	14.0	122.91	5.2857	0.001
	8.00	36.1	16.6	122.95	4.7500	0.001
	9.00	38.8	19.3	122.98	4.3333	0.002
	10.00	41.7	22.2	123.02	4.0000	0.002
	11.00	44.9	25.4	123.06	3.7273	0.002
	12.00	48.4	29.0	123.10	3.5000	0.002
	13.00	52.4	32.9	123.14	3.3077	0.003
	14.00	56.8	37.3	123.18	3.1429	0.003
	15.00	61.8	42.3	123.22	3.0000	0.004
	16.00	67.4	47.9	123.26	2.8750	0.005
	17.00	73.9	54.4	123.30	2.7647	0.005
	18.00	81.3	61.8	123.35	2.6667	0.007

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 11075 DST #2 Berning #1 Wabash Energy Corp.

DATE: 06/30/98 TIME: 06:14:50

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	19.00	90.1	70.6	123.39	2.5789	0.008
	20.00	100.5	81.0	123.43	2.5000	0.010
	21.00	112.9	93.4	123.48	2.4286	0.013
	22.00	128.1	108.6	123.52	2.3636	0.016
	23.00	145.7	126.2	123.56	2.3043	0.021
	24.00	167.8	148.3	123.61	2.2500	0.028
	25.00	196.0	176.5	123.65	2.2000	0.038
	26.00	232.3	212.8	123.70	2.1538	0.054
	27.00	277.8	258.3	123.75	2.1111	0.077
	28.00	333.2	313.7	123.79	2.0714	0.111
	29.00	396.7	377.3	123.85	2.0345	0.157
	30.00	461.7	442.2	123.90	2.0000	0.213
	31.00	527.2	507.7	123.96	1.9677	0.278
	32.00	586.1	566.6	124.02	1.9375	0.343
	33.00	637.5	618.0	124.08	1.9091	0.406
	34.00	681.5	662.0	124.14	1.8824	0.464
	35.00	718.7	699.3	124.20	1.8571	0.517
	36.00	750.6	731.1	124.26	1.8333	0.563
	37.00	777.7	758.3	124.31	1.8108	0.605
	38.00	800.9	781.4	124.37	1.7895	0.641
	39.00	820.8	801.3	124.44	1.7692	0.674
	40.00	838.6	819.2	124.49	1.7500	0.703
	41.00	853.9	834.5	124.54	1.7317	0.729
	42.00	867.5	848.0	124.60	1.7143	0.752
	43.00	880.0	860.5	124.64	1.6977	0.774
	44.00	890.9	871.4	124.70	1.6818	0.794
	45.00	900.7	881.2	124.75	1.6667	0.811
	46.00	911.5	892.0	124.79	1.6522	0.831
	47.00	919.0	899.5	124.83	1.6383	0.845
	48.00	926.1	906.6	124.88	1.6250	0.858
	49.00	932.6	913.1	124.94	1.6122	0.870
	50.00	938.9	919.4	124.98	1.6000	0.881
	51.00	944.7	925.2	125.02	1.5882	0.893
	52.00	950.1	930.6	125.07	1.5769	0.903
	53.00	955.2	935.7	125.11	1.5660	0.912
	54.00	960.0	940.5	125.15	1.5556	0.922
	55.00	964.5	945.0	125.20	1.5455	0.930
	56.00	968.6	949.2	125.23	1.5357	0.938
	57.00	972.7	953.2	125.28	1.5263	0.946
	58.00	976.6	957.1	125.33	1.5172	0.954
****** End Shut-in 1	59.00	980.2	960.7	125.36	1.5085	0.961
****** Start Flow 2	0.00	22.0	0.0	125.39		
	1.00	20.9	-1.1	125.40		
	2.00	19.2	-2.8	125.40		
	3.00	20.5	-1.5	125.39		
	4.00	19.6	-2.3	125.39		
	5.00	20.7	-1.3	125.38		
	6.00	20.6	-1.4	125.39		
	7.00	20.8	-1.2	125.40		
	8.00	20.6	-1.4	125.42		
	9.00	20.9	-1.1	125.43		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 11075 DST #2 Berning #1 Wabash Energy Corp.

DATE: 06/30/98 TIME: 06:14:50

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	10.00	20.7	-1.3	125.46		
	11.00	20.6	-1.4	125.48		
	12.00	21.0	-1.0	125.50		
	13.00	21.5	-0.5	125.54		
	14.00	21.0	-1	125.56		
	15.00	21.3	-0.7	125.59		
	16.00	21.2	-0.8	125.63		
	17.00	21.0	-1.0	125.67		
	18.00	22.0	0.0	125.69		
	19.00	21.3	-0.7	125.73		
	20.00	21.0	-1.0	125.76		
	21.00	21.9	-0.0	125.80		
	22.00	22.1	0.2	125.84		
	23.00	21.3	-0.6	125.87		
	24.00	21.5	-0.4	125.91		
	25.00	21.5	-0.5	125.95		
	26.00	22.2	0.2	125.98		
	27.00	21.8	-0.2	126.02		
	28.00	21.3	-0.7	126.06		
	29.00	21.7	-0.2	126.10		
****** End Flow 2	30.00	22.5	0.6	126.14		
****** Start Shutin 2	0.00	22.5	0.0	126.14	0.0000	0.001
	1.00	23.8	1.3	126.18	61.0000	0.001
	2.00	25.1	2.6	126.22	31.0000	0.001
	3.00	26.6	4.1	126.26	21.0000	0.001
	4.00	27.9	5.3	126.29	16.0000	0.001
	5.00	29.2	6.7	126.33	13.0000	0.001
	6.00	30.8	8.3	126.36	11.0000	0.001
	7.00	32.3	9.8	126.42	9.5714	0.001
	8.00	33.9	11.3	126.45	8.5000	0.001
	9.00	35.5	12.9	126.49	7.6667	0.001
	10.00	37.1	14.6	126.53	7.0000	0.001
	11.00	38.9	16.4	126.57	6.4545	0.002
	12.00	40.8	18.3	126.62	6.0000	0.002
	13.00	42.8	20.3	126.66	5.6154	0.002
	14.00	44.9	22.4	126.70	5.2857	0.002
	15.00	47.2	24.6	126.75	5.0000	0.002
	16.00	49.5	26.9	126.78	4.7500	0.002
	17.00	51.9	29.4	126.82	4.5294	0.003
	18.00	54.6	32.1	126.86	4.3333	0.003
	19.00	57.4	34.8	126.91	4.1579	0.003
	20.00	60.3	37.8	126.94	4.0000	0.004
	21.00	63.7	41.1	126.99	3.8571	0.004
	22.00	67.1	44.5	127.03	3.7273	0.004
	23.00	70.9	48.3	127.06	3.6087	0.005
	24.00	74.9	52.3	127.10	3.5000	0.006
	25.00	79.2	56.7	127.14	3.4000	0.006
	26.00	84.0	61.4	127.18	3.3077	0.007
	27.00	89.3	66.7	127.22	3.2222	0.008
	28.00	95.1	72.5	127.26	3.1429	0.009
	29.00	101.3	78.8	127.30	3.0690	0.010

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 11075 DST #2 Berning #1 Wabash Energy Corp.

DATE: 06/30/98 TIME: 06:14:50

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	30.00	108.5	85.9	127.35	3.0000	0.012
	31.00	116.4	93.9	127.38	2.9355	0.014
	32.00	125.2	102.7	127.42	2.8750	0.016
	33.00	135.1	112.6	127.46	2.8182	0.018
	34.00	146.5	123.9	127.49	2.7647	0.021
	35.00	159.3	136.8	127.54	2.7143	0.025
	36.00	174.1	151.5	127.57	2.6667	0.030
	37.00	191.2	168.7	127.60	2.6216	0.037
	38.00	210.6	188.0	127.64	2.5789	0.044
	39.00	233.2	210.7	127.68	2.5385	0.054
	40.00	258.3	235.8	127.72	2.5000	0.067
	41.00	286.8	264.2	127.76	2.4634	0.082
	42.00	319.0	296.5	127.80	2.4286	0.102
	43.00	354.5	332.0	127.85	2.3953	0.126
	44.00	392.7	370.2	127.89	2.3636	0.154
	45.00	432.8	410.3	127.93	2.3333	0.187
	46.00	473.2	450.7	127.98	2.3043	0.224
	47.00	512.8	490.3	128.03	2.2766	0.263
	48.00	550.9	528.3	128.07	2.2500	0.303
	49.00	586.6	564.0	128.10	2.2245	0.344
	50.00	620.0	597.4	128.15	2.2000	0.384
	51.00	650.4	627.9	128.20	2.1765	0.423
	52.00	677.8	655.3	128.24	2.1538	0.459
	53.00	702.5	680.0	128.30	2.1321	0.494
	54.00	724.5	702.0	128.33	2.1111	0.525
	55.00	744.1	721.6	128.37	2.0909	0.554
	56.00	761.8	739.2	128.41	2.0714	0.580
	57.00	777.5	755.0	128.46	2.0526	0.605
	58.00	791.8	769.2	128.50	2.0345	0.627
	59.00	804.5	782.0	128.54	2.0169	0.647
	60.00	816.1	793.6	128.57	2.0000	0.666
****** End Shut-in 2	61.00	796.5	774.0	128.60	1.9836	0.634
****** Final Hydro.	277.00	2193.2	0.0	128.82		

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 11075

Well Name & No. Berning #1 Test No. 2 Date 6-30-98

Company Wabash Energy Corp. Zone Tested Cherokee

Address P.O. Box 595 Lawrenceville, IL Elevation 2969 KB 2961' GL

Co. Rep / Geo. Harry Whitmer Cont. D.S. #2 Est. Ft. of Pay ____ Por. ____ %

Location: Sec. 6 Twp. 18 Rge. 31 Co. Scott State Ks

No. of Copies Norm Distribution Sheet (Y, N) N Turnkey (Y, N) N Evaluation (Y, N) N

Interval Tested 4545' 4567' Initial Str Wt./Lbs. 48,000 Unseated Str Wt./Lbs. 48,000

Anchor Length 22' Wt. Set Lbs. 26,000 Wt. Pulled Loose/Lbs. 70,000

Top Packer Depth 4540' Tool Weight 4,000

Bottom Packer Depth 4545' Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓

Total Depth 4567' Wt. Pipe Run — Drill Collar Run —

Mud Wt. 9.1 LCM #1 Vis. 52 WL 10.4 Drill Pipe Size 4½ XH Ft. Run 4532'

Blow Description Weak ¼" blow died in 9½ min.
No return
No Blow
No return.

Recovery — Total Feet 10' GIP — Ft in DC — Ft. in DP 10'

Rec. 10' Feet Of oil cut Mud (good show free oil on top) %gas 15 %oil %water 85 %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 129° °F Gravity — °API D@ — °F Corrected Gravity — °API

RW — @ — °F Chlorides — ppm Recovery Chlorides 1,800 ppm System

(A) Initial Hydrostatic Mud	2289	2271	PSI	Recorder No. 2346	T-Started 06:12 AM
(B) First Initial Flow Pressure	44	17	PSI	(depth) 4546'	T-Open 07:45 AM
(C) First Final Flow Pressure	44	19	PSI	Recorder No. 11058	T-Pulled 10:45 AM
(D) Initial Shut-in Pressure	963	980	PSI	(depth) 4564'	T-Out 12:35 PM
(E) Second Initial Flow Pressure	44	21	PSI	Recorder No.	
(F) Second Final Flow Pressure	44	22	PSI	(depth)	
(G) Final Shut-in Pressure	794	796	PSI	Initial Opening 30	Test X 700
(H) Final Hydrostatic Mud	2266	2193	PSI	Initial Shut-in 60	Jars
	AK-1	Alpine		Final Flow 30	Safety Joint
				Final Shut-in 60	Straddle
					Circ. Sub X N/C
					Sampler
					Extra Packer
					Elect. Rec. X 150
					Other
					TOTAL PRICE $ 850

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 ____

Well Name Berning #1
DST Number 2
Recorder Number 11058

A:	2.011	2256
B:	.037	41
C:	.037	41
D:	.858	961
E:	.044	48
F:	.044	48
G:	.712	796
Q:	1.998	2242