

15-109-20613

5-13s-33w

WELL NAME: Jack D Lee #B-1
OPERATOR: Wanker Oil Co
LOCATION: Sec 5 Rge 13S Twp 33W
Logan County Kansas
DATE: 03/03/96

TRILOBITE TESTING L.L.C.

OPERATOR : Wanker Oil Co. DATE 2-28-96
 WELL NAME: Jack D. Lee #B-1 KB 3064.00 ft TICKET NO: 8872 DST #1
 LOCATION : 5-13S-33W, Logan Cty KS GR 3056.00 ft FORMATION: Lansing-K.C. "D"
 INTERVAL : 4030.00 To 4046.00 ft TD 4046.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 60 Rec.	11086	11086	2350			PF Fr. 1020 to 1120 hr
SI 60 Range(Psi)	4350.0	4350.0	4995.0	0.0	0.0	IS Fr. 1120 to 1220 hr
SF 60 Clock(hrs)	AK-1	AK-1	Alpin			SF Fr. 1220 to 1320 hr
FS 160 Depth(ft)	4041.0	4041.0	4035.0	0.0	0.0	FS Fr. 1320 to 1600 hr

	Field	1	2	3	4	
A. Init Hydro	1934.0	1930.0	1965.0	0.0	0.0	T STARTED 0830 hr
B. First Flow	65.0	47.0	23.0	0.0	0.0	T ON BOTM 1018 hr
B1. Final Flow	65.0	61.0	68.0	0.0	0.0	T OPEN 1020 hr
C. In Shut-in	865.0	859.0	892.0	0.0	0.0	T PULLED 1600 hr
D. Init Flow	87.0	85.0	71.0	0.0	0.0	T OUT 1745 hr
E. Final Flow	109.0	91.0	99.0	0.0	0.0	
F. Fl Shut-in	876.0	855.0	900.0	0.0	0.0	
G. Final Hydro	1934.0	1924.0	1948.0	0.0	0.0	
Inside/Outside	0	0	I			

TOOL DATA-----
 Tool Wt. 2000.00 lbs
 Wt Set On Packer 22000.00 lbs
 Wt Pulled Loose 72000.00 lbs
 Initial Str Wt 44000.00 lbs
 Unseated Str Wt 46000.00 lbs
 Bot Choke 0.75 in
 Hole Size 7.88 in
 D Col. ID 2.25 in
 D. Pipe ID 3.82 in
 D.C. Length 30.00 ft
 D.P. Length 4010.00 ft

RECOVERY

Tot Fluid 185.00 ft of 30.00 ft in DC and 155.00 ft in DP
 35.00 ft of Water cut oil - 96% oil, 4% water
 130.00 ft of Oil cut muddy water -
 2% oil, 78% water, 20% mud
 20.00 ft of Slightly gassy oil specked mud cut water -
 5% gas, 2% oil, 63% water, 30% mud

RW .933 @ 36.6 F

SALINITY 12000.00 P.P.M. A.P.I. Gravity 36.30

BLOW DESCRIPTION

Initial Flow -
 Built to 10.5" in bucket

Initial Shutin -
 Bled off, blew back in 5 min, died
 after 32 min

Final Flow -
 Built to 8.5" in bucket

Final Shutin -
 Bled off, no blow back

SAMPLES: No
 SENT TO:

MUD DATA-----
 Mud Type Chemical
 Weight 8.70 lb/c
 Vis. 40.00 S/L
 W.L. 10.40 in3
 F.C. 0.00 in
 Mud Drop
 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 Mike McVey
 Co. Rep. Mark Torr
 Contr. Discovery Drlg
 Rig # 1
 Unit #
 Pump T.

Test Successful: Y

CALCULATED RECOVERY ANALYSIS

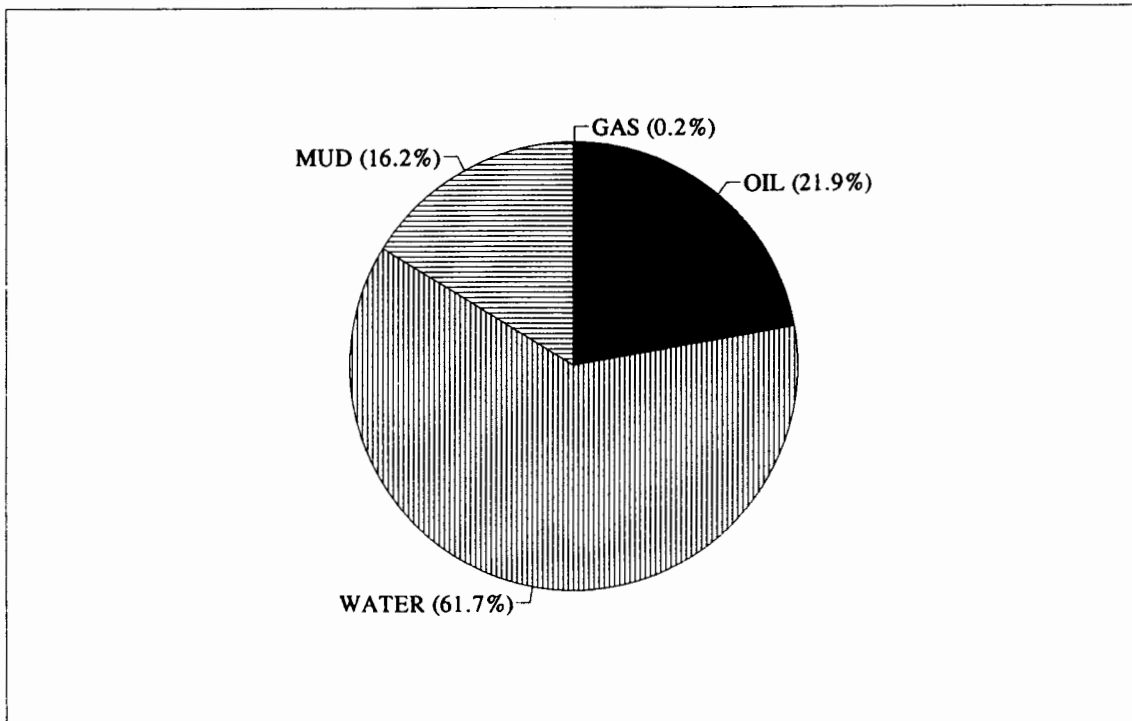
DST # 1

TICKET 8872

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
DRL PIPE 1	35		0	96	33.6	4	1.4		0
2	120		0	2	2.4	78	93.6	20	24
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
6			0		0		0		0
WGT PIPE 1			0		0		0		0
2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
COLLARS 1	10		0	2	0.2	78	7.8	20	2
2	20	5	1	2	0.4	63	12.6	30	6
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	185		1		36.6		115.4		32

HRS OPE BBL/DAY

BBL OIL= 0.514854 * 2 6.17825
 BBL WATER= 1.450656 * 17.4079
 BBL MUD= 0.3804
 BBL GAS = 0.00489



TEST HISTORY

8872, DST#1, Wanker Oil, Jack D. Lee #B-1

Flag Points

t (Min.) P (PSig)

A:	0.00	1964.91
B:	0.00	23.24
C:	61.00	67.97
D:	59.00	891.64
E:	0.00	70.66
F:	59.00	99.36
G:	160.00	899.78
Q:	0.00	1947.96

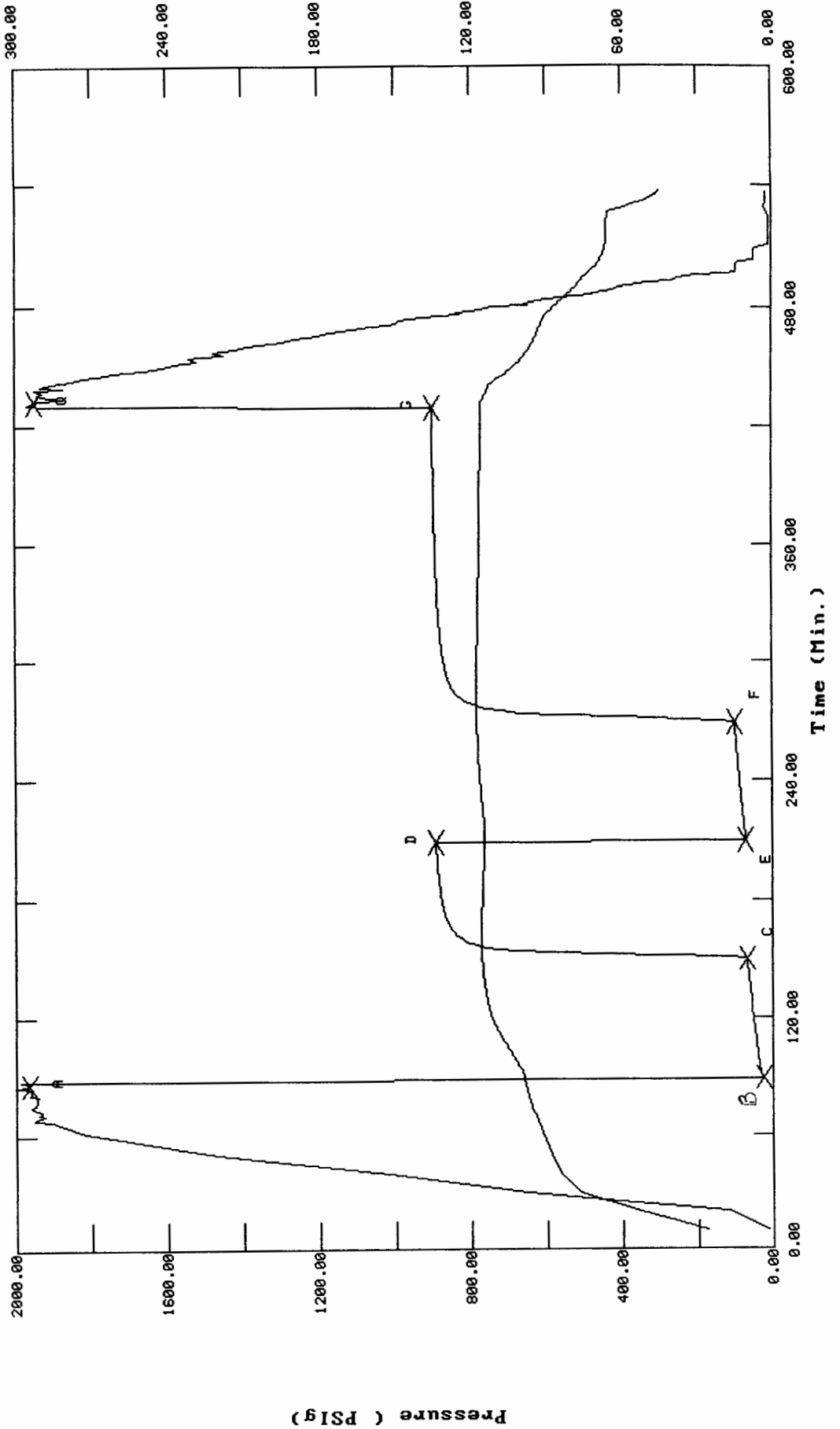
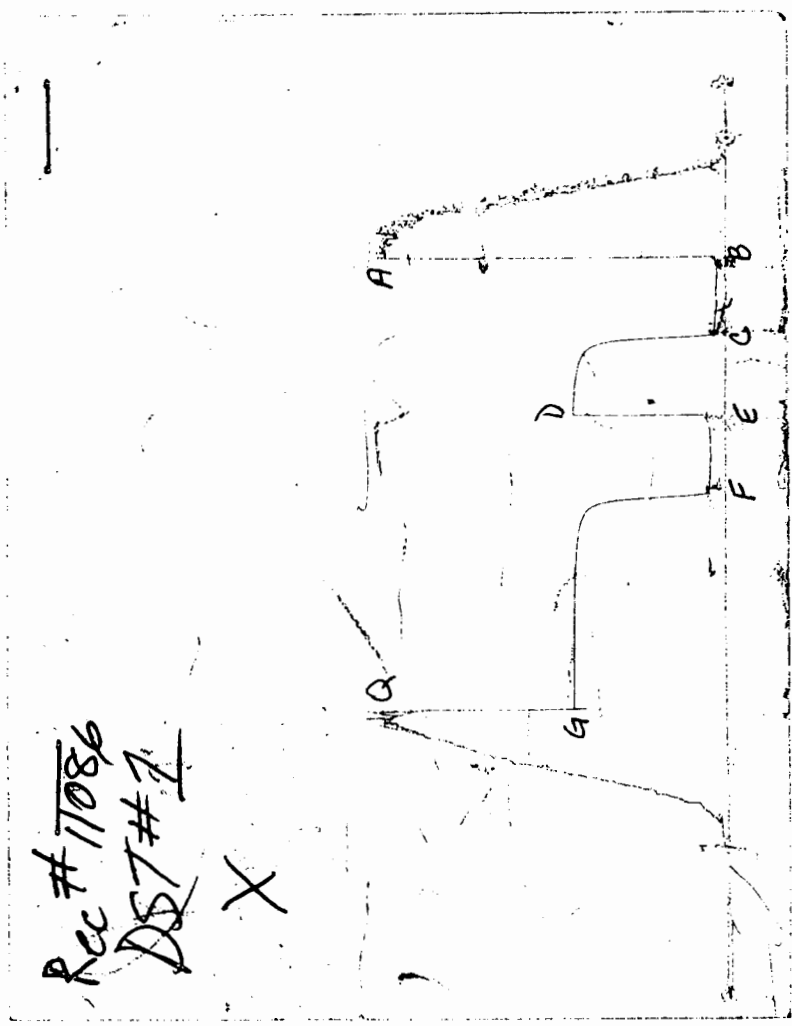


CHART PAGE



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

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8872,DST#1,Wanker Oil,Jack D.Lee #B-1

DATE: 02/28/96 TIME: 09:04:34

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** Initial Hydro.	86.00	1964.9	0.0	98.23		
***** Start Flow 1	0.00	23.2	0.0	98.75		
	1.00	25.5	2.3	98.90		
	2.00	29.3	6.0	99.04		
	3.00	30.5	7.3	99.21		
	4.00	31.8	8.6	99.51		
	5.00	32.5	9.2	99.95		
	6.00	33.2	10	100.49		
	7.00	34.2	10.9	101.04		
	8.00	35.0	11.7	101.58		
	9.00	35.7	12.5	102.09		
	10.00	36.5	13.3	102.57		
	11.00	37.3	14.0	103.03		
	12.00	38.1	14.9	103.43		
	13.00	38.8	15.5	103.85		
	14.00	39.4	16.2	104.30		
	15.00	39.9	16.7	104.75		
	16.00	40.5	17.3	105.25		
	17.00	41.3	18.0	105.75		
	18.00	42.0	18.7	106.25		
	19.00	42.5	19.2	106.73		
	20.00	43.1	19.9	107.21		
	21.00	43.7	20.5	107.68		
	22.00	44.4	21.1	108.15		
	23.00	45.3	22.1	108.61		
	24.00	46.1	22.8	109.05		
	25.00	46.8	23.6	109.48		
	26.00	47.5	24.3	109.90		
	27.00	48.2	25.0	110.30		
	28.00	49.0	25.8	110.67		
	29.00	49.8	26.5	111.02		
	30.00	50.6	27.4	111.35		
	31.00	51.3	28.0	111.63		
	32.00	52.0	28.8	111.89		
	33.00	52.6	29.4	112.14		
	34.00	53.4	30.1	112.35		
	35.00	54.0	30.8	112.56		
	36.00	54.7	31.5	112.75		
	37.00	55.4	32.1	112.93		
	38.00	53.5	30.3	113.12		
	39.00	54.3	31.1	113.29		
	40.00	54.9	31.6	113.45		
	41.00	55.5	32.2	113.61		
	42.00	56.1	32.9	113.74		
	43.00	56.9	33.7	113.88		
	44.00	57.8	34.6	114.01		
	45.00	58.4	35.2	114.13		
	46.00	59.1	35.8	114.25		
	47.00	59.7	36.4	114.36		
	48.00	60.4	37.2	114.47		
	49.00	61.0	37.8	114.56		

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8872,DST#1,Wanker Oil,Jack D.Lee #B-1
 DATE: 02/28/96 TIME: 09:04:34

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	50.00	61.6	38.4	114.66		
	51.00	62.2	38.9	114.76		
	52.00	62.7	39.4	114.84		
	53.00	63.3	40.0	114.93		
	54.00	63.9	40.6	115.02		
	55.00	64.4	41.2	115.10		
	56.00	65.0	41.8	115.18		
	57.00	65.6	42.4	115.25		
	58.00	66.3	43.1	115.33		
	59.00	66.8	43.6	115.40		
	60.00	67.4	44.1	115.46		
***** End Flow 1	61.00	68.0	44.7	115.53		
***** Start Shutin 1	0.00	68.0	0.0	115.53	0.0000	0.005
	1.00	118.7	50.7	115.59	62.0000	0.014
	2.00	295.4	227.4	115.66	31.5000	0.087
	3.00	579.5	511.5	115.73	21.3333	0.336
	4.00	680.5	612.5	115.79	16.2500	0.463
	5.00	729.1	661.1	115.84	13.2000	0.532
	6.00	760.1	692.2	115.87	11.1667	0.578
	7.00	782.3	714.3	115.90	9.7143	0.612
	8.00	798.6	730.7	115.92	8.6250	0.638
	9.00	811.1	743.1	115.91	7.7778	0.658
	10.00	820.8	752.8	115.92	7.1000	0.674
	11.00	828.5	760.6	115.90	6.5455	0.686
	12.00	834.9	766.9	115.89	6.0833	0.697
	13.00	840.2	772.2	115.87	5.6923	0.706
	14.00	844.7	776.8	115.85	5.3571	0.714
	15.00	848.6	780.6	115.82	5.0667	0.720
	16.00	851.9	784.0	115.79	4.8125	0.726
	17.00	854.9	786.9	115.75	4.5882	0.731
	18.00	857.4	789.4	115.72	4.3889	0.735
	19.00	859.7	791.8	115.69	4.2105	0.739
	20.00	861.8	793.9	115.65	4.0500	0.743
	21.00	863.9	796.0	115.60	3.9048	0.746
	22.00	865.6	797.6	115.57	3.7727	0.749
	23.00	867.2	799.2	115.53	3.6522	0.752
	24.00	868.7	800.8	115.50	3.5417	0.755
	25.00	870.2	802.2	115.45	3.4400	0.757
	26.00	871.4	803.4	115.42	3.3462	0.759
	27.00	872.6	804.6	115.38	3.2593	0.761
	28.00	873.7	805.7	115.34	3.1786	0.763
	29.00	874.9	806.9	115.30	3.1034	0.765
	30.00	875.8	807.8	115.28	3.0333	0.767
	31.00	876.8	808.8	115.23	2.9677	0.769
	32.00	877.7	809.7	115.20	2.9062	0.770
	33.00	878.5	810.5	115.17	2.8485	0.772
	34.00	879.3	811.3	115.13	2.7941	0.773
	35.00	880.1	812.1	115.12	2.7429	0.775
	36.00	880.9	812.9	115.05	2.6944	0.776
	37.00	881.5	813.5	115.03	2.6486	0.777
	38.00	882.2	814.3	114.99	2.6053	0.778

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8872,DST#1,Wanker Oil,Jack D.Lee #B-1

DATE: 02/28/96

TIME: 09:04:34

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	39.00	882.8	814.9	114.97	2.5641	0.779
	40.00	883.5	815.5	114.93	2.5250	0.781
	41.00	884.0	816.0	114.90	2.4878	0.781
	42.00	884.5	816.5	114.87	2.4524	0.782
	43.00	885.3	817.3	114.84	2.4186	0.784
	44.00	885.7	817.7	114.82	2.3864	0.784
	45.00	886.2	818.2	114.78	2.3556	0.785
	46.00	886.7	818.7	114.75	2.3261	0.786
	47.00	887.1	819.1	114.73	2.2979	0.787
	48.00	887.6	819.6	114.70	2.2708	0.788
	49.00	888.0	820.1	114.69	2.2449	0.789
	50.00	888.4	820.4	114.63	2.2200	0.789
	51.00	888.9	820.9	114.60	2.1961	0.790
	52.00	889.2	821.2	114.58	2.1731	0.791
	53.00	889.5	821.6	114.55	2.1509	0.791
	54.00	890.0	822.0	114.52	2.1296	0.792
	55.00	890.3	822.3	114.48	2.1091	0.793
	56.00	890.7	822.7	114.47	2.0893	0.793
	57.00	891.0	823.0	114.45	2.0702	0.794
	58.00	891.4	823.4	114.43	2.0517	0.795
***** End Shut-in 1	59.00	891.6	823.7	114.40	2.0339	0.795
***** Start Flow 2	0.00	70.7	0.0	114.36		
	1.00	70.9	0.3	114.34		
	2.00	71.2	0.5	114.34		
	3.00	71.7	1.0	114.36		
	4.00	72.3	1.6	114.40		
	5.00	72.9	2.3	114.43		
	6.00	73.4	2.8	114.48		
	7.00	74.0	3.4	114.54		
	8.00	74.6	3.9	114.59		
	9.00	75.1	4.4	114.66		
	10.00	75.7	5.0	114.71		
	11.00	76.2	5.5	114.77		
	12.00	76.9	6.2	114.84		
	13.00	77.4	6.7	114.91		
	14.00	78.0	7.3	114.98		
	15.00	78.5	7.8	115.06		
	16.00	79.1	8.4	115.13		
	17.00	79.6	9.0	115.21		
	18.00	80.1	9.5	115.28		
	19.00	80.6	10	115.36		
	20.00	81.2	10.6	115.43		
	21.00	81.7	11.1	115.51		
	22.00	82.2	11.6	115.58		
	23.00	82.7	12.1	115.65		
	24.00	83.2	12.6	115.73		
	25.00	84.0	13.3	115.80		
	26.00	84.5	13.8	115.86		
	27.00	85.0	14.4	115.94		
	28.00	85.4	14.8	116.00		
	29.00	85.9	15.3	116.07		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8872,DST#1,Wanker Oil,Jack D.Lee #B-1

DATE: 02/28/96 TIME: 09:04:34

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	30.00	86.4	15.7	116.14		
	31.00	86.9	16.2	116.21		
	32.00	87.4	16.7	116.27		
	33.00	87.8	17.1	116.34		
	34.00	88.1	17.5	116.39		
	35.00	88.8	18.1	116.44		
	36.00	89.3	18.6	116.50		
	37.00	89.7	19.1	116.56		
	38.00	90.1	19.5	116.60		
	39.00	90.6	20.0	116.65		
	40.00	91.2	20.6	116.70		
	41.00	91.6	21.0	116.73		
	42.00	92.0	21.3	116.77		
	43.00	92.2	21.6	116.82		
	44.00	92.8	22.2	116.87		
	45.00	93.3	22.7	116.92		
	46.00	93.7	23.1	116.97		
	47.00	94.2	23.6	117.03		
	48.00	94.7	24.0	117.07		
	49.00	95.1	24.4	117.10		
	50.00	95.6	24.9	117.14		
	51.00	95.9	25.3	117.16		
	52.00	96.3	25.7	117.19		
	53.00	96.8	26.1	117.21		
	54.00	97.3	26.6	117.23		
	55.00	97.9	27.2	117.25		
	56.00	98.3	27.6	117.27		
	57.00	98.7	28.0	117.28		
	58.00	99.0	28.4	117.29		
***** End Flow 2	59.00	99.4	28.7	117.31		
***** Start Shutin 2	0.00	99.4	0.0	117.31	0.0000	0.01
	1.00	145.4	46.0	117.33	121.0000	0.021
	2.00	234.7	135.3	117.35	61.0000	0.055
	3.00	397.6	298.3	117.38	41.0000	0.158
	4.00	569.0	469.7	117.40	31.0000	0.324
	5.00	667.2	567.9	117.45	25.0000	0.445
	6.00	720.6	621.2	117.48	21.0000	0.519
	7.00	753.9	654.6	117.53	18.1429	0.568
	8.00	776.7	677.4	117.55	16.0000	0.603
	9.00	793.4	694.0	117.57	14.3333	0.629
	10.00	806.0	706.6	117.57	13.0000	0.650
	11.00	815.8	716.4	117.59	11.9091	0.665
	12.00	823.7	724.3	117.59	11.0000	0.678
	13.00	830.2	730.8	117.60	10.2308	0.689
	14.00	835.5	736.1	117.59	9.5714	0.698
	15.00	840.0	740.7	117.59	9.0000	0.706
	16.00	843.9	744.5	117.58	8.5000	0.712
	17.00	847.2	747.8	117.58	8.0588	0.718
	18.00	850.1	750.7	117.57	7.6667	0.723
	19.00	852.7	753.3	117.57	7.3158	0.727
	20.00	854.9	755.5	117.55	7.0000	0.731

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Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
21.00	857.0	757.6	117.53	6.7143	0.734
22.00	858.9	759.5	117.53	6.4545	0.738
23.00	860.7	761.3	117.51	6.2174	0.741
24.00	862.2	762.8	117.50	6.0000	0.743
25.00	863.6	764.2	117.48	5.8000	0.746
26.00	865.0	765.6	117.46	5.6154	0.748
27.00	866.2	766.8	117.44	5.4444	0.750
28.00	867.4	768.0	117.44	5.2857	0.752
29.00	868.5	769.1	117.41	5.1379	0.754
30.00	869.5	770.1	117.40	5.0000	0.756
31.00	870.6	771.2	117.38	4.8710	0.758
32.00	871.3	772.0	117.36	4.7500	0.759
33.00	872.3	772.9	117.37	4.6364	0.761
34.00	873.1	773.7	117.31	4.5294	0.762
35.00	873.8	774.4	117.30	4.4286	0.763
36.00	874.5	775.2	117.29	4.3333	0.765
37.00	875.2	775.8	117.27	4.2432	0.766
38.00	875.9	776.6	117.25	4.1579	0.767
39.00	876.4	777.1	117.23	4.0769	0.768
40.00	877.2	777.8	117.20	4.0000	0.769
41.00	877.9	778.5	117.19	3.9268	0.771
42.00	878.4	779.0	117.18	3.8571	0.772
43.00	878.9	779.5	117.16	3.7907	0.772
44.00	879.5	780.1	117.14	3.7273	0.773
45.00	880.0	780.6	117.11	3.6667	0.774
46.00	880.5	781.1	117.10	3.6087	0.775
47.00	880.8	781.5	117.08	3.5532	0.776
48.00	881.5	782.1	117.06	3.5000	0.777
49.00	881.8	782.5	117.04	3.4490	0.778
50.00	882.3	783.0	117.03	3.4000	0.778
51.00	882.7	783.3	117.01	3.3529	0.779
52.00	883.2	783.8	116.99	3.3077	0.780
53.00	883.6	784.2	116.97	3.2642	0.781
54.00	883.9	784.6	116.96	3.2222	0.781
55.00	884.3	784.9	116.93	3.1818	0.782
56.00	884.6	785.2	116.92	3.1429	0.783
57.00	884.9	785.6	116.90	3.1053	0.783
58.00	885.3	785.9	116.87	3.0690	0.784
59.00	885.7	786.3	116.86	3.0339	0.784
60.00	886.0	786.7	116.85	3.0000	0.785
61.00	886.3	786.9	116.83	2.9672	0.785
62.00	886.5	787.2	116.81	2.9355	0.786
63.00	886.9	787.6	116.79	2.9048	0.787
64.00	887.2	787.8	116.77	2.8750	0.787
65.00	887.4	788.0	116.76	2.8462	0.787
66.00	887.7	788.3	116.74	2.8182	0.788
67.00	887.9	788.5	116.73	2.7910	0.788
68.00	888.2	788.8	116.70	2.7647	0.789
69.00	888.4	789.0	116.69	2.7391	0.789
70.00	888.7	789.3	116.68	2.7143	0.790
71.00	889.0	789.6	116.67	2.6901	0.790

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8872,DST#1,Wanker Oil,Jack D.Lee #B-1

DATE: 02/28/96

TIME: 09:04:34

Time	Pressure PSIg	delta P PSIg	P	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
72.00	889.2	789.8		116.65	2.6667	0.791
73.00	889.4	790.0		116.62	2.6438	0.791
74.00	889.6	790.3		116.61	2.6216	0.791
75.00	889.8	790.4		116.59	2.6000	0.792
76.00	890.0	790.6		116.58	2.5789	0.792
77.00	890.2	790.9		116.57	2.5584	0.792
78.00	890.5	791.1		116.55	2.5385	0.793
79.00	890.6	791.3		116.54	2.5190	0.793
80.00	890.7	791.4		116.53	2.5000	0.793
81.00	891.1	791.7		116.51	2.4815	0.794
82.00	891.3	791.9		116.50	2.4634	0.794
83.00	891.5	792.1		116.48	2.4458	0.795
84.00	891.6	792.3		116.46	2.4286	0.795
85.00	891.8	792.4		116.46	2.4118	0.795
86.00	892.1	792.7		116.44	2.3953	0.796
87.00	892.2	792.9		116.43	2.3793	0.796
88.00	892.3	793.0		116.41	2.3636	0.796
89.00	892.5	793.1		116.41	2.3483	0.797
90.00	892.6	793.3		116.39	2.3333	0.797
91.00	892.8	793.5		116.38	2.3187	0.797
92.00	893.0	793.6		116.37	2.3043	0.797
93.00	893.1	793.7		116.36	2.2903	0.798
94.00	893.3	794.0		116.34	2.2766	0.798
95.00	893.4	794.0		116.34	2.2632	0.798
96.00	893.6	794.2		116.32	2.2500	0.798
97.00	893.7	794.4		116.30	2.2371	0.799
98.00	893.8	794.5		116.30	2.2245	0.799
99.00	894.0	794.6		116.28	2.2121	0.799
100.00	894.2	794.8		116.28	2.2000	0.800
101.00	894.2	794.9		116.27	2.1881	0.800
102.00	894.5	795.1		116.26	2.1765	0.800
103.00	894.5	795.1		116.24	2.1650	0.800
104.00	894.7	795.4		116.23	2.1538	0.801
105.00	894.8	795.5		116.23	2.1429	0.801
106.00	894.9	795.6		116.21	2.1321	0.801
107.00	895.1	795.7		116.19	2.1215	0.801
108.00	895.2	795.8		116.19	2.1111	0.801
109.00	895.2	795.9		116.18	2.1009	0.801
110.00	895.4	796.1		116.18	2.0909	0.802
111.00	895.6	796.2		116.16	2.0811	0.802
112.00	895.7	796.3		116.16	2.0714	0.802
113.00	895.8	796.4		116.13	2.0619	0.802
114.00	895.8	796.5		116.13	2.0526	0.803
115.00	896.0	796.6		116.11	2.0435	0.803
116.00	896.1	796.7		116.11	2.0345	0.803
117.00	896.2	796.8		116.10	2.0256	0.803
118.00	896.5	797.1		116.09	2.0169	0.804
119.00	896.6	797.2		116.08	2.0084	0.804
120.00	896.6	797.2		116.07	2.0000	0.804
121.00	896.7	797.3		116.06	1.9917	0.804
122.00	896.8	797.4		116.06	1.9836	0.804

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8872,DST#1,Wanker Oil,Jack D.Lee #B-1

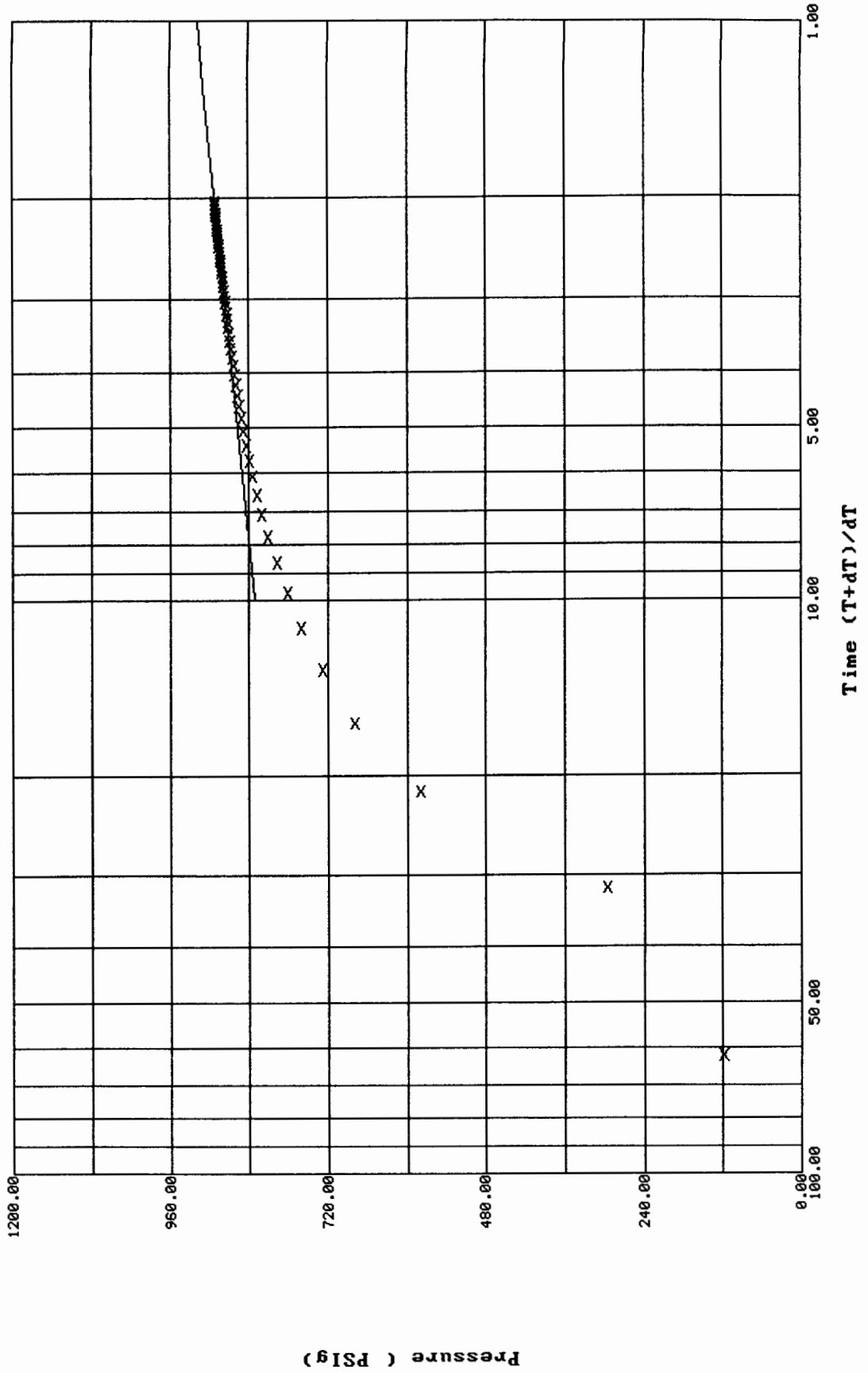
DATE: 02/28/96 TIME: 09:04:34

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
123.00	896.8	797.5	116.06	1.9756	0.804
124.00	896.9	797.6	116.05	1.9677	0.804
125.00	897.0	797.7	116.04	1.9600	0.805
126.00	897.1	797.7	116.03	1.9524	0.805
127.00	897.2	797.8	116.02	1.9449	0.805
128.00	897.3	797.9	116.02	1.9375	0.805
129.00	897.3	798.0	116.01	1.9302	0.805
130.00	897.4	798.1	116.00	1.9231	0.805
131.00	897.6	798.3	115.98	1.9160	0.806
132.00	897.6	798.3	115.98	1.9091	0.806
133.00	897.7	798.4	115.97	1.9023	0.806
134.00	897.8	798.4	115.97	1.8955	0.806
135.00	897.9	798.5	115.96	1.8889	0.806
136.00	898.0	798.7	115.96	1.8824	0.806
137.00	898.1	798.7	115.95	1.8759	0.807
138.00	898.2	798.8	115.94	1.8696	0.807
139.00	898.4	799.0	115.93	1.8633	0.807
140.00	898.4	799.0	115.93	1.8571	0.807
141.00	898.4	799.0	115.92	1.8511	0.807
142.00	898.6	799.2	115.92	1.8451	0.807
143.00	898.6	799.2	115.92	1.8392	0.807
144.00	898.7	799.3	115.91	1.8333	0.808
145.00	898.7	799.3	115.90	1.8276	0.808
146.00	898.8	799.4	115.89	1.8219	0.808
147.00	899.0	799.6	115.88	1.8163	0.808
148.00	899.0	799.6	115.89	1.8108	0.808
149.00	899.1	799.7	115.88	1.8054	0.808
150.00	899.1	799.7	115.87	1.8000	0.808
151.00	899.1	799.7	115.86	1.7947	0.808
152.00	899.2	799.8	115.86	1.7895	0.809
153.00	899.3	800.0	115.85	1.7843	0.809
154.00	899.4	800.0	115.85	1.7792	0.809
155.00	899.4	800.0	115.85	1.7742	0.809
156.00	899.6	800.2	115.83	1.7692	0.809
157.00	899.7	800.3	115.83	1.7643	0.809
158.00	899.7	800.3	115.82	1.7595	0.809
159.00	899.8	800.4	115.82	1.7547	0.810
***** End Shut-in 2	160.00	899.8	800.4	115.82	0.810
***** Final Hydro.	432.00	1948.0	0.0	115.54	

Horner Plot: shut-in #1

8872, DST#1, Wanker Oil, Jack D. Lee #B-1

Slope: 85.7220 PSig/cycle
Ext. Pressure: 918.0979 PSig

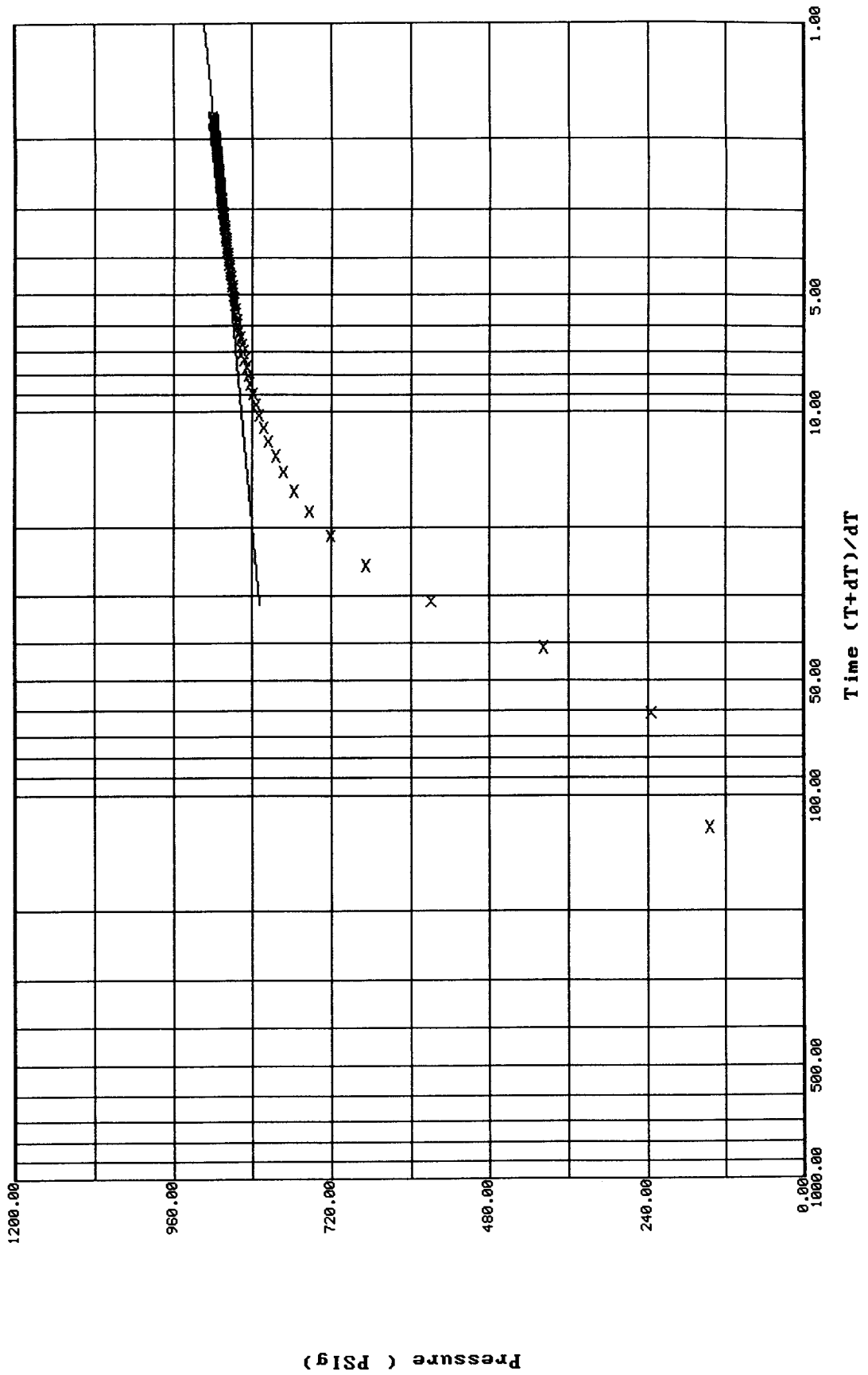


Horner Plot: shut-in #2

8872, DST#1, Wanker Oil, Jack D. Lee #B-1

Slope: 55.6282 PSig/cycle

Ext. Pressure: 913.3268 PSig



*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Jack D. Lee #B-1

LOCATION : 5-13S-33W, Logan Cty KS

TICKET No. 8872 D.S.T. No. 1 DATE 2-28-96

TOTAL TOOL TO BOTTOM OF TOP PACKERS 20

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 16

TOTAL TOOL 36

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 36

D.C. ABOVE TOOLS.Stands Single 1 Total 30

D.P. ABOVE TOOLS.Stands64 Single 1 Total 4010

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4076

TOTAL DEPTH 4046

TOTAL DRILL PIPE ABOVE K.B. 30

REMARKS:

P.O. SUB 120' up in D.C.	3890
C.O. SUB 1'	4010
S.I. TOOL 5'	4016
HMV 5'	4021
JARS	
SAFETY JOINT	
PACKER 5'	4025
PACKER 5'	4030
DEPTH 4030	
STUBB 1'	4031
ANCHOR	
Alpine Recorder	4035
10'perf	4041
T.C. DEPTH	
AK-1 Recorder	4041
BULLNOSE 5'	
T.D.	4046

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

NE 8872

Test Ticket

Well Name & No. Jack D. Lee #B-1 Test No. #1 Date 2-28-96
Company Wanker Oil Co. Zone Tested Lansing-K.C.
Address RR 2 Box 14 Wakeeney, Ks Elevation 3064 KB 3056 GL
Co. Rep / Geo. Mark Torr Cont. Discovery Drlg. Est. Ft. of Pay Por. %
Location: Sec. 5 Twp. 13s Rge. 33w Co. Logan State Ks
No. of Copies normal Distribution Sheet (Y, N) N Turnkey (Y, N) N Evaluation (Y, N) N

Interval Tested 4030 to 4046 Initial Str Wt./Lbs. 44,000 Unseated Str Wt./Lbs. 46,000
Anchor Length 16' Wt. Set Lbs. 22,000 Wt. Pulled Loose/Lbs. 7,2000
Top Packer Depth 4025 Hole Size — 7 7/8" Rubber Size — 6 3/4"
Bottom Packer Depth 4030 Wt. Pipe I.D. — 2.7 Ft. Run
Total Depth 4046 Drill Collar — 2.25 Ft. Run 30'
Mud Wt. 8.7 LCM TR# Vis. 40 WL 10.4 Drill Pipe Size 4 1/2 XH / 3" I.D. Ft. Run ~~3970~~ 4040
Blow Description I.F. - Built to 10 1/2" in bucket
I.S.I. - Bled off, blew back in 5 min, died after 32 min
E.F. - Built to 8 1/2" in bucket
F.S.I. - Bled off, no blow back

Recovery — Total Feet	Ft. in DC	Ft. in WP	Ft. in DP
Rec. <u>35</u> - Feet Of <u>Water cut Oil</u>	<u>30</u>	<u> </u>	<u>155</u>
Rec. <u>130</u> - Feet Of <u>Oil cut Muddy Water</u>		%gas <u>96</u> %oil <u>4</u> %water <u> </u> %mud <u> </u>	
Rec. <u>20</u> - Feet Of <u>OGMW</u>		%gas <u>2</u> %oil <u>78</u> %water <u>20</u> %mud <u> </u>	
Rec. <u> </u> - Feet Of <u> </u>		%gas <u>5</u> %oil <u>2</u> %water <u>63</u> %mud <u>30</u>	
Rec. <u> </u> - Feet Of <u> </u>		%gas <u> </u> %oil <u> </u> %water <u> </u> %mud <u> </u>	
Rec. <u> </u> - Feet Of <u> </u>		%gas <u> </u> %oil <u> </u> %water <u> </u> %mud <u> </u>	

BHT 120° °F Gravity 34.5 °API D@ 42 °F Corrected Gravity 36.3 °API
RW .933 @ 36.4 °F Chlorides 12,000 ppm Recovery Chlorides 2400 ppm System

(A) Initial Hydrostatic Mud	<u>1964</u> <u>1934</u> PSI	Recorder No. <u>2350</u>	T-Started <u>0830</u>
(B) First Initial Flow Pressure	<u>23</u> <u>65</u> PSI	@ (depth) <u>4035</u>	T-Open <u>1020</u>
(C) First Final Flow Pressure	<u>67</u> <u>65</u> PSI	Recorder No. <u>11086</u>	T-Pulled <u>1600</u>
(D) Initial Shut-in Pressure	<u>891</u> <u>865</u> PSI	@ (depth) <u>4040</u>	T-Out <u>1745</u>
(E) Second Initial Flow Pressure	<u>70</u> <u>87</u> PSI	Recorder No. <u> </u>	
(F) Second Final Flow Pressure	<u>99</u> <u>109</u> PSI	@ (depth) <u> </u>	
(G) Final Shut-in Pressure	<u>899</u> <u>876</u> PSI	Initial Opening <u>60</u>	Test <u>conventional 600</u>
(H) Final Hydrostatic Mud	<u>1947</u> <u>1934</u> PSI	Initial Shut-in <u>60</u>	Jars <u> </u>
	<u>Alpine Mechanical</u>	Final Flow <u>60</u>	Safety Joint <u> </u>
		Final Shut-in <u>160</u>	Straddle <u> </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 [Signature]
Our Representative [Signature]

Circ. Sub W/C
Sampler
Extra Packer
Elect. Rec. 150
Other
TOTAL PRICE \$ 750

5

TRILOBITE TESTING L.L.C.

OPERATOR : Wanker Oil Co. DATE 2-29-96
 WELL NAME: Jack D. Lee #B-1 KB 3064.00 ft TICKET NO: 8873 DST #2
 LOCATION : 5-13S-33W, Logan Cty KS GR 3056.00 ft FORMATION: Lansing-K.C.
 INTERVAL : 4052.00 To 4073.00 ft TD 4073.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	11086	11086	2350		PF Fr. 0239 to 0309 hr
SI 45	Range(Psi)	4350.0	4350.0	4995.0	0.0	0.0 IS Fr. 0309 to 0354 hr
SF 60	Clock(hrs)	AK-1	AK-1	Alpin		SF Fr. 0354 to 0454 hr
FS 45	Depth(ft)	4068.0	4068.0	4057.0	0.0	0.0 FS Fr. 0454 to 0539 hr

	Field	1	2	3	4	
A. Init Hydro	1956.0	1963.0	1960.0	0.0	0.0	T STARTED 0045 hr
B. First Flow	65.0	46.0	23.0	0.0	0.0	T ON BOTM 0237 hr
B1. Final Flow	32.0	47.0	32.0	0.0	0.0	T OPEN 0239 hr
C. In Shut-in	1205.0	1210.0	1224.0	0.0	0.0	T PULLED 0539 hr
D. Init Flow	76.0	50.0	33.0	0.0	0.0	T OUT 0730 hr
E. Final Flow	43.0	55.0	38.0	0.0	0.0	
F. Fl Shut-in	1128.0	1120.0	1141.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1934.0	1946.0	1942.0	0.0	0.0	Tool Wt. 2000.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 22000.00 lbs
						Wt Pulled Loose 76000.00 lbs
						Initial Str Wt 44000.00 lbs
						Unseated Str Wt 44000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.82 in
						D.C. Length 30.00 ft
						D.P. Length 4010.00 ft

RECOVERY

Tot Fluid 45.00 ft of 30.00 ft in DC and 15.00 ft in DP
 45.00 ft of Water & mud cut oil

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

BLOW DESCRIPTION

Initial Flow -
 Built to 3" in bucket

Initial Shutin -
 Bled off, blew back in 8 min, died
 after 35 min

Final Flow -
 Built to 2.25" in bucket

Final Shutin -
 Bled off, no blow back

SAMPLES: No
 SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	8.70 lb/c
Vis.	40.00 S/L
W.L.	10.40 in3
F.C.	0.00 in
Mud Drop	
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	Mike McVey
Co. Rep.	Mark Torr
Contr.	Discovery Drlg
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

TEST HISTORY

8873, DST#2, Wanker Oil, Jack D Lee #B-1

Flag Points

t (Min.) P (PSig)

A:	0.00	1960.38
B:	0.00	22.65
C:	31.00	31.63
D:	45.00	1223.66
E:	0.00	32.89
F:	59.00	38.43
G:	45.00	1141.33
O:	0.00	1941.58

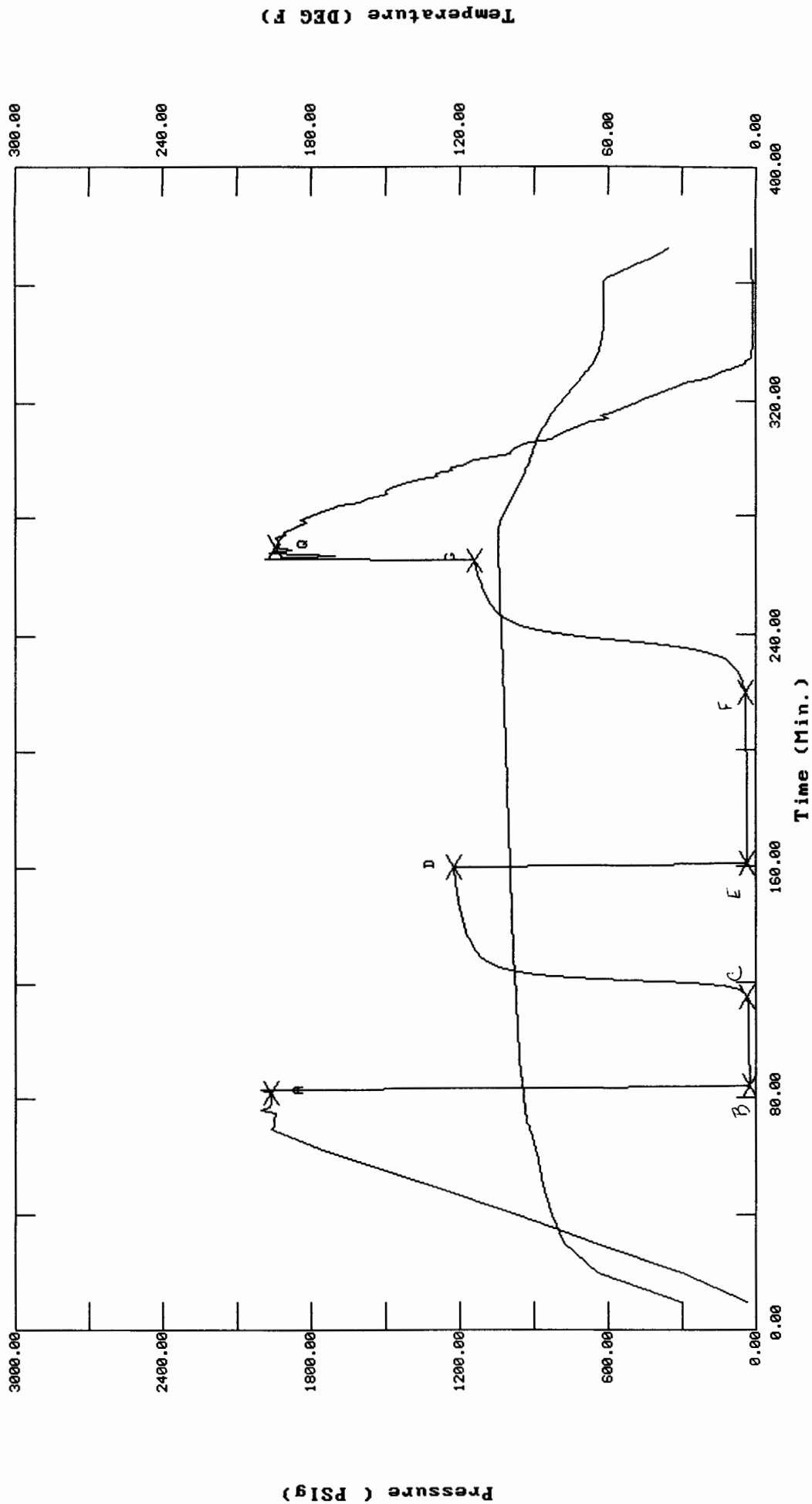
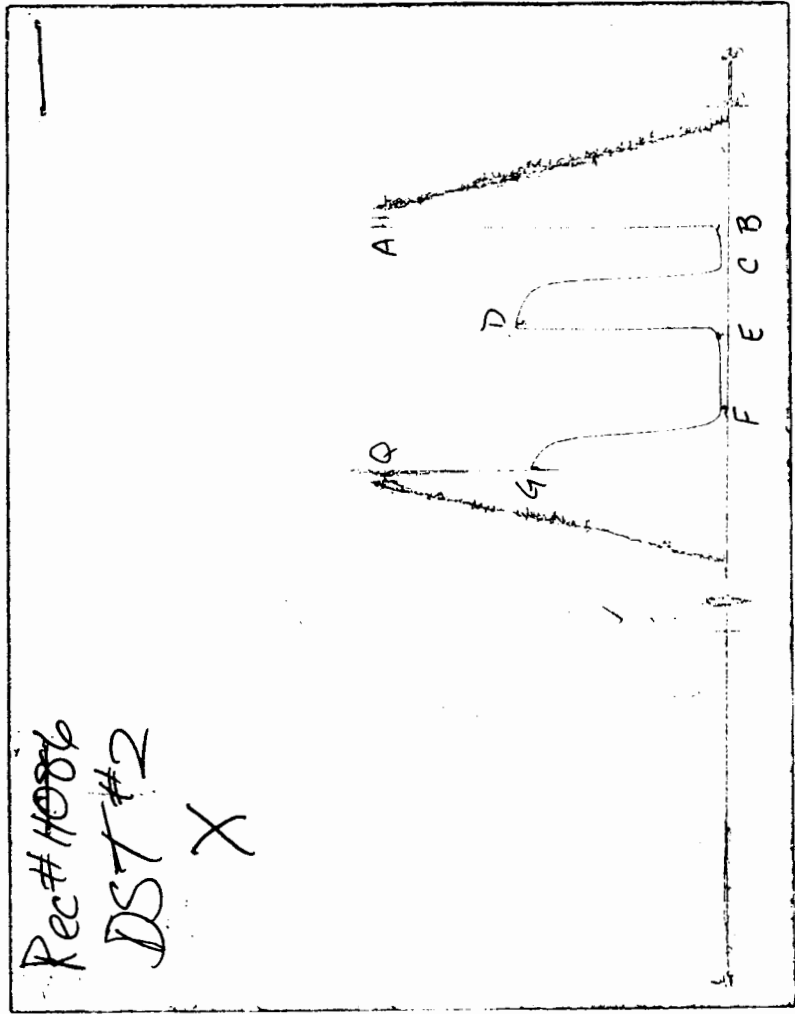


CHART PAGE

Rec # ~~10006~~
DST #2
X



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

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8873,DST#2,Wanker Oil,Jack D Lee #B-1

DATE: 02/29/96 TIME: 01:28:12

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** Initial Hydro.	82.00	1960.4	0.0	94.26		
***** Start Flow 1	0.00	22.7	0.0	94.46		
	1.00	22.8	0.2	94.63		
	2.00	22.8	0.2	94.81		
	3.00	23.2	0.5	94.98		
	4.00	23.3	0.7	95.14		
	5.00	23.7	1.1	95.28		
	6.00	24.0	1.3	95.40		
	7.00	24.2	1.6	95.51		
	8.00	24.7	2.0	95.62		
	9.00	25.1	2.4	95.70		
	10.00	25.4	2.8	95.78		
	11.00	25.8	3.1	95.87		
	12.00	26.0	3.4	95.94		
	13.00	26.4	3.8	96.01		
	14.00	26.7	4.0	96.07		
	15.00	26.9	4.3	96.14		
	16.00	27.4	4.7	96.21		
	17.00	27.7	5.0	96.27		
	18.00	28.0	5.4	96.33		
	19.00	28.4	5.8	96.39		
	20.00	28.7	6.0	96.46		
	21.00	29.0	6.4	96.51		
	22.00	29.0	6.4	96.58		
	23.00	29.2	6.5	96.64		
	24.00	29.5	6.9	96.70		
	25.00	29.7	7.1	96.76		
	26.00	30.0	7.3	96.83		
	27.00	30.1	7.5	96.89		
	28.00	30.4	7.7	96.96		
	29.00	30.5	7.8	97.02		
	30.00	30.7	8.1	97.08		
***** End Flow 1	31.00	31.6	9.0	97.14		
***** Start Shutin 1	0.00	31.6	0.0	97.14	0.0000	0.001
	1.00	41.9	10.2	97.20	32.0000	0.002
	2.00	57.1	25.4	97.26	16.5000	0.003
	3.00	82.5	50.9	97.33	11.3333	0.007
	4.00	133.1	101.5	97.39	8.7500	0.018
	5.00	261.4	229.8	97.46	7.2000	0.068
	6.00	517.4	485.8	97.54	6.1667	0.268
	7.00	749.1	717.5	97.62	5.4286	0.561
	8.00	887.4	855.7	97.64	4.8750	0.787
	9.00	967.8	936.1	97.78	4.4444	0.937
	10.00	1020.1	988.4	97.86	4.1000	1.041
	11.00	1055.5	1023.8	97.93	3.8182	1.114
	12.00	1080.0	1048.3	98.17	3.5833	1.166
	13.00	1098.5	1066.9	98.08	3.3846	1.207
	14.00	1112.7	1081.1	98.14	3.2143	1.238
	15.00	1124.0	1092.4	98.20	3.0667	1.263
	16.00	1133.3	1101.6	98.25	2.9375	1.284
	17.00	1141.1	1109.4	98.31	2.8235	1.302

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8873,DST#2,Wanker Oil,Jack D Lee #B-1

DATE: 02/29/96 TIME: 01:28:12

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
18.00	1148.0	1116.3	98.36	2.7222	1.318
19.00	1154.0	1122.4	98.41	2.6316	1.332
20.00	1159.3	1127.7	98.45	2.5500	1.344
21.00	1164.2	1132.5	98.50	2.4762	1.355
22.00	1168.7	1137.1	98.55	2.4091	1.366
23.00	1172.8	1141.2	98.60	2.3478	1.375
24.00	1176.7	1145.0	98.64	2.2917	1.385
25.00	1180.3	1148.6	98.68	2.2400	1.393
26.00	1183.5	1151.9	98.73	2.1923	1.401
27.00	1186.6	1155.0	98.77	2.1481	1.408
28.00	1189.6	1158.0	98.82	2.1071	1.415
29.00	1192.4	1160.8	98.81	2.0690	1.422
30.00	1195.0	1163.4	98.91	2.0333	1.428
31.00	1197.6	1166.0	98.95	2.0000	1.434
32.00	1200.1	1168.4	99.00	1.9688	1.440
33.00	1202.3	1170.6	99.05	1.9394	1.445
34.00	1204.5	1172.9	99.09	1.9118	1.451
35.00	1206.7	1175.1	99.14	1.8857	1.456
36.00	1208.6	1177.0	99.18	1.8611	1.461
37.00	1210.7	1179.0	99.24	1.8378	1.466
38.00	1212.5	1180.9	99.27	1.8158	1.470
39.00	1214.3	1182.6	99.32	1.7949	1.474
40.00	1215.9	1184.2	99.37	1.7750	1.478
41.00	1217.4	1185.8	99.41	1.7561	1.482
42.00	1219.1	1187.5	99.46	1.7381	1.486
43.00	1220.8	1189.2	99.51	1.7209	1.490
44.00	1222.1	1190.5	99.55	1.7045	1.494
45.00	1223.7	1192.0	99.60	1.6889	1.497
***** End Shut-in 1					
***** Start Flow 2					
0.00	32.9	0.0	99.62		
1.00	32.6	-0.3	99.65		
2.00	32.6	-0.3	99.67		
3.00	32.6	-0.3	99.70		
4.00	32.8	-0.1	99.73		
5.00	32.9	-0.0	99.76		
6.00	32.9	-0.0	99.80		
7.00	33.0	0.1	99.85		
8.00	33.1	0.2	99.89		
9.00	33.1	0.3	99.94		
10.00	33.3	0.4	99.97		
11.00	33.3	0.4	100.02		
12.00	33.5	0.6	100.06		
13.00	33.6	0.7	100.11		
14.00	33.6	0.8	100.15		
15.00	33.6	0.8	100.19		
16.00	33.9	1.0	100.25		
17.00	34.0	1.1	100.28		
18.00	34.1	1.2	100.33		
19.00	34.2	1.3	100.38		
20.00	34.2	1.3	100.43		
21.00	34.3	1.4	100.47		
22.00	34.5	1.6	100.50		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8873,DST#2,Wanker Oil,Jack D Lee #B-1

DATE: 02/29/96

TIME: 01:28:12

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	23.00	34.7	1.8	100.54		
	24.00	34.7	1.8	100.59		
	25.00	34.8	1.9	100.63		
	26.00	35.0	2.1	100.68		
	27.00	35.2	2.3	100.72		
	28.00	35.2	2.3	100.76		
	29.00	35.3	2.4	100.80		
	30.00	35.5	2.6	100.84		
	31.00	35.6	2.7	100.88		
	32.00	35.7	2.9	100.93		
	33.00	35.8	2.9	100.97		
	34.00	35.9	3.0	101.01		
	35.00	36.1	3.2	101.06		
	36.00	36.2	3.3	101.10		
	37.00	36.2	3.4	101.15		
	38.00	36.5	3.6	101.19		
	39.00	36.7	3.8	101.23		
	40.00	36.7	3.8	101.27		
	41.00	36.8	3.9	101.32		
	42.00	36.9	4.0	101.36		
	43.00	37.2	4.3	101.40		
	44.00	37.6	4.7	101.45		
	45.00	37.3	4.4	101.48		
	46.00	37.8	4.9	101.53		
	47.00	37.6	4.7	101.57		
	48.00	37.8	5.0	101.61		
	49.00	37.9	5.0	101.66		
	50.00	37.7	4.8	101.70		
	51.00	38.1	5.2	101.74		
	52.00	37.8	4.9	101.79		
	53.00	38.3	5.4	101.82		
	54.00	38.2	5.3	101.86		
	55.00	38.3	5.5	101.91		
	56.00	38.3	5.5	101.95		
	57.00	38.4	5.5	101.99		
	58.00	38.4	5.5	102.04		
*****	End Flow 2	59.00	38.4	5.5	102.08	
*****	Start Shutin 2	0.00	38.4	0.0	102.08	0.0000
		1.00	40.8	2.4	102.12	91.0000
		2.00	44.6	6.1	102.17	46.0000
		3.00	48.7	10.2	102.21	31.0000
		4.00	53.3	14.9	102.26	23.5000
		5.00	58.7	20.2	102.29	19.0000
		6.00	64.9	26.4	102.34	16.0000
		7.00	72.2	33.7	102.38	13.8571
		8.00	80.6	42.2	102.43	12.2500
		9.00	91.1	52.6	102.47	11.0000
		10.00	103.6	65.2	102.52	10.0000
		11.00	119.7	81.2	102.57	9.1818
		12.00	140.0	101.6	102.61	8.5000
		13.00	167.1	128.7	102.66	7.9231

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8873,DST#2,Wanker Oil,Jack D Lee #B-1

DATE: 02/29/96 TIME: 01:28:12

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	14.00	204.1	165.7	102.71	7.4286	0.042
	15.00	255.7	217.3	102.75	7.0000	0.065
	16.00	328.4	290.0	102.80	6.6250	0.108
	17.00	425.3	386.8	102.86	6.2941	0.181
	18.00	542.2	503.7	102.91	6.0000	0.294
	19.00	662.6	624.2	102.98	5.7368	0.439
	20.00	767.8	729.3	103.03	5.5000	0.589
	21.00	848.9	810.5	103.09	5.2857	0.721
	22.00	908.2	869.7	103.16	5.0909	0.825
	23.00	951.4	913.0	103.22	4.9130	0.905
	24.00	983.4	944.9	103.26	4.7500	0.967
	25.00	1007.5	969.0	103.32	4.6000	1.015
	26.00	1025.8	987.4	103.37	4.4615	1.052
	27.00	1040.5	1002.1	103.41	4.3333	1.083
	28.00	1052.4	1013.9	103.46	4.2143	1.107
	29.00	1062.2	1023.8	103.50	4.1034	1.128
	30.00	1070.7	1032.3	103.54	4.0000	1.146
	31.00	1078.2	1039.8	103.59	3.9032	1.163
	32.00	1084.9	1046.5	103.63	3.8125	1.177
	33.00	1091.2	1052.8	103.68	3.7273	1.191
	34.00	1096.8	1058.4	103.70	3.6471	1.203
	35.00	1102.2	1063.8	103.74	3.5714	1.215
	36.00	1107.2	1068.7	103.78	3.5000	1.226
	37.00	1111.9	1073.4	103.82	3.4324	1.236
	38.00	1116.1	1077.7	103.85	3.3684	1.246
	39.00	1120.4	1082.0	103.88	3.3077	1.255
	40.00	1124.3	1085.9	103.92	3.2500	1.264
	41.00	1128.1	1089.6	103.95	3.1951	1.273
	42.00	1131.6	1093.2	103.99	3.1429	1.280
	43.00	1135.0	1096.6	104.02	3.0930	1.288
	44.00	1138.3	1099.9	104.07	3.0455	1.296
***** End Shut-in 2	45.00	1141.3	1102.9	104.10	3.0000	1.303
***** Final Hydro.	270.00	1941.6	0.0	104.34		

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Jack D. Lee #B-1	P.O. SUB 120' up in D.C.	3911
	C.O. SUB 1'	4032
LOCATION : 5-13S-33W, Logan Cty KS	S.I. TOOL 5'	4038
TICKET No. 8873 D.S.T. No. 2 DATE 2-29-96		
TOTAL TOOL TO BOTTOM OF TOP PACKERS 20	HMV 5'	4043
INTERVAL TOOL		
BOTTOM PACKERS AND ANCHOR 21	JARS	
TOTAL TOOL 41		
DRILL COLLAR ANCHOR IN INTERVAL		
D.C. ANCHOR STND.Stands Single Total	SAFETY JOINT	
D.P. ANCHOR STND.Stands Single Total	PACKER 5'	4047
TOTAL ASSEMBLY 41	PACKER 5'	4052
D.C. ABOVE TOOLS.Stands Single 1 Total 30	DEPTH 4052	
D.P. ABOVE TOOLS.Stands64 Single 1 Total 4010	STUBB 1'	4053
TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4081	ANCHOR	
	Alpine Recorder	4057
TOTAL DEPTH 4073		
TOTAL DRILL PIPE ABOVE K.B. 8	15' perf	4068
REMARKS:		
	T.C.	
	DEPTH	
	AK-1 Recorder	4068
	BULLNOSE 5'	
	T.D.	4073

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

№ 8873

Test Ticket

Well Name & No. Jack D. Lee #B-1 Test No. #2 Date 2-29-96
 Company Wanker Oil Co. Zone Tested LANSING-K.C.
 Address RR 2 Box H Wakeeney, Ks. 67672 Elevation 3084 KB 3056 GL
 Co. Rep / Geo. Mark Torr Cont. Discovery Drly Est. Ft. of Pay Por. %
 Location: Sec. 5 Twp. 13s Rge. 33w Co. Logan State Ks
 No. of Copies normal Distribution Sheet (Y, N) N Turnkey (Y, N) N Evaluation (Y, N) N

Interval Tested 4052 to 4073 Initial Str Wt./Lbs. 44000 Unseated Str Wt./Lbs. 44000
 Anchor Length 21 Wt. Set Lbs. 22000 Wt. Pulled Loose/Lbs. 76000
 Top Packer Depth 4047 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Bottom Packer Depth 4052 Wt. Pipe I.D. — 2.7 Ft. Run
 Total Depth 4073 Drill Collar — 2.25 Ft. Run 30'
 Mud Wt. 8.7 LCM TR# Vis. 40 WL 10.4 Drill Pipe Size 4 1/2 X 1 1/8 Ft. Run 4010
 Blow Description I.F. - Built to 3" in bucket
I.S.I. - Bled off, blew back in 8 min, died after 35
F.F. - Built to 2 1/4" in bucket
F.S.I. - Bled off, no blow back

Recovery — Total Feet	Ft. in DC	Ft. in WP	Ft. in DP	%gas	%oil	%water	%mud
<u>45</u>	<u>30</u>	<u> </u>	<u>15</u>				
Rec. <u>45</u> Feet Of <u>WMO</u>							
Rec. <u> </u> Feet Of <u> </u>							
Rec. <u> </u> Feet Of <u> </u>							
Rec. <u> </u> Feet Of <u> </u>							
Rec. <u> </u> Feet Of <u> </u>							

BHT 120° °F Gravity °API D@ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides ppm System

(A) Initial Hydrostatic Mud	<u>1960</u> <u>1956</u> PSI	Recorder No.	<u>2350</u>	T-Started	<u>0045</u>
(B) First Initial Flow Pressure	<u>22</u> <u>45</u> PSI	@ (depth)	<u>4057</u>	T-Open	<u>0239</u>
(C) First Final Flow Pressure	<u>31</u> <u>32</u> PSI	Recorder No.	<u>11086</u>	T-Pulled	<u>0539</u>
(D) Initial Shut-in Pressure	<u>1223</u> <u>1205</u> PSI	@ (depth)	<u>4068</u>	T-Out	<u>0730</u>
(E) Second Initial Flow Pressure	<u>32</u> <u>76</u> PSI	Recorder No.	<u> </u>		
(F) Second Final Flow Pressure	<u>38</u> <u>43</u> PSI	@ (depth)	<u> </u>		
(G) Final Shut-in Pressure	<u>1141</u> <u>1128</u> PSI	Initial Opening	<u>30</u>	Test	<u>conventional 600</u>
(H) Final Hydrostatic Mud	<u>1941</u> <u>1934</u> PSI	Initial Shut-in	<u>45</u>	Jars	<u> </u>
	<u>Alpine Mechanical</u>	Final Flow	<u>60</u>	Safety Joint	<u> </u>
		Final Shut-in	<u>45</u>	Straddle	<u> </u>
				Circ. Sub	<input checked="" type="checkbox"/> <u>MC</u>
				Sampler	<u> </u>
				Extra Packer	<u> </u>
				Elect. Rec.	<input checked="" type="checkbox"/> <u>150</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 Mark Torr
 Our Representative Mark Torr

5

TRILOBITE TESTING L.L.C.

OPERATOR : Wanker Oil Co. DATE 3-2-96
 WELL NAME: Jack D. Lee #B-1 KB 3064.00 ft TICKET NO: 8874 DST #3
 LOCATION : 5-13S-33W, Logan Cty KS GR 3056.00 ft FORMATION: Johnson
 INTERVAL : 4531.00 To 4570.00 ft TD 4570.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11086	11086	2350			PF Fr. 0452 to 0522 hr
SI 30 Range(Psi)	4350.0	4350.0	4995.0	0.0	0.0	IS Fr. 0522 to 0552 hr
SF 30 Clock(hrs)	AK-1	AK-1	Alpin			SF Fr. 0552 to 0622 hr
FS 30 Depth(ft)	4565.0	4565.0	4536.0	0.0	0.0	FS Fr. 0622 to 0652 hr

	Field	1	2	3	4	
A. Init Hydro	2294.0	2277.0	2293.0	0.0	0.0	T STARTED 0320 hr
B. First Flow	32.0	21.0	21.0	0.0	0.0	T ON BOTM 0450 hr
B1. Final Flow	21.0	22.0	26.0	0.0	0.0	T OPEN 0452 hr
C. In Shut-in	76.0	60.0	74.0	0.0	0.0	T PULLED 0652 hr
D. Init Flow	21.0	31.0	24.0	0.0	0.0	T OUT 0815 hr
E. Final Flow	21.0	31.0	27.0	0.0	0.0	
F. Fl Shut-in	65.0	63.0	79.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2272.0	2268.0	2282.0	0.0	0.0	Tool Wt. 2000.00 lbs
Inside/Outside	O	O	I			Wt Set On Packer 22000.00 lbs
						Wt Pulled Loose 58000.00 lbs
						Initial Str Wt 49000.00 lbs
						Unseated Str Wt 49000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.82 in
						D.C. Length 30.00 ft
						D.P. Length 4508.00 ft

RECOVERY

Tot Fluid 15.00 ft of 15.00 ft in DC and 0.00 ft in DP
 15.00 ft of Oil cut mud - 10% oil, 90% mud

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

BLOW DESCRIPTION

Initial Flow -
 Weak surface blow, built to .25" in bucket

Initial Shutin -
 No blow back

Final Flow -
 Weak surface blow, built to .5" in bucket

Final Shutin -
 No blow back

SAMPLES: No
 SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.50 lb/cf
Vis.	47.00 S/L
W.L.	10.00 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	119.00 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	Mike McVey
Co. Rep.	Mark Torr
Contr.	Discovery Drlg.
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

CALCULATED RECOVERY ANALYSIS -

DRILL COLLARS

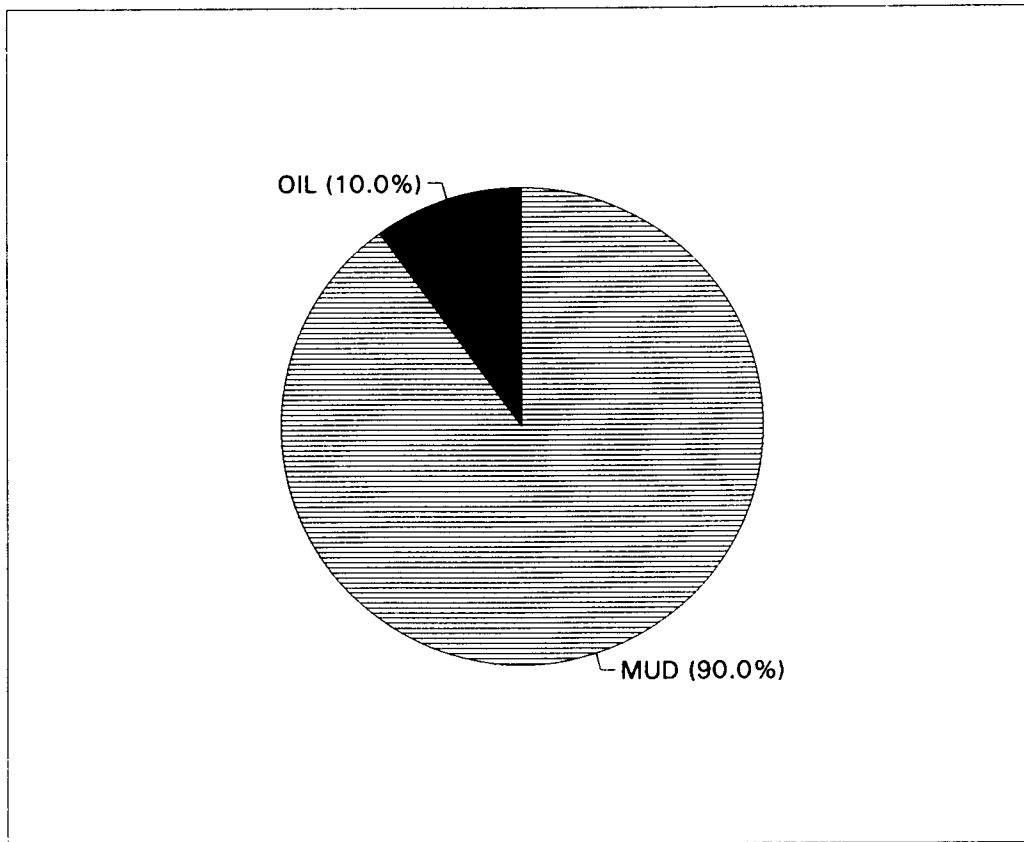
DST #

3

TICKE 8874

SAMPLE #	TOTAL FEET	GAS		OIL		WAT		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
1	15	0	0	10	1.5	0	0	90	13.5
2		0	0	0	0	0	0	0	0
3		0	0	0	0	0	0	0	0
4		0	0	0	0	0	0	0	0
5		0	0	0	0	0	0	0	0
TOTAL	15	0.00	0	10.00	1.5	0.00	0	90	13.5

			HRS	BBL/DAY
BBL OIL=	0.0073	*	1	0.176
BBL WATE	0	*		0
BBL MUD=	0.066			
BBL GAS=	0			



TEST HISTORY

8874, DST#3, Wanker Oil, Jack D. Lee #B-1

Flag Points

t (Min.)	P (PSig)
A: 0.00	2292.82
B: 0.00	20.81
C: 30.00	26.18
D: 29.00	74.44
E: 0.00	23.91
F: 30.00	27.02
G: 29.00	78.97
Q: 0.00	2282.16

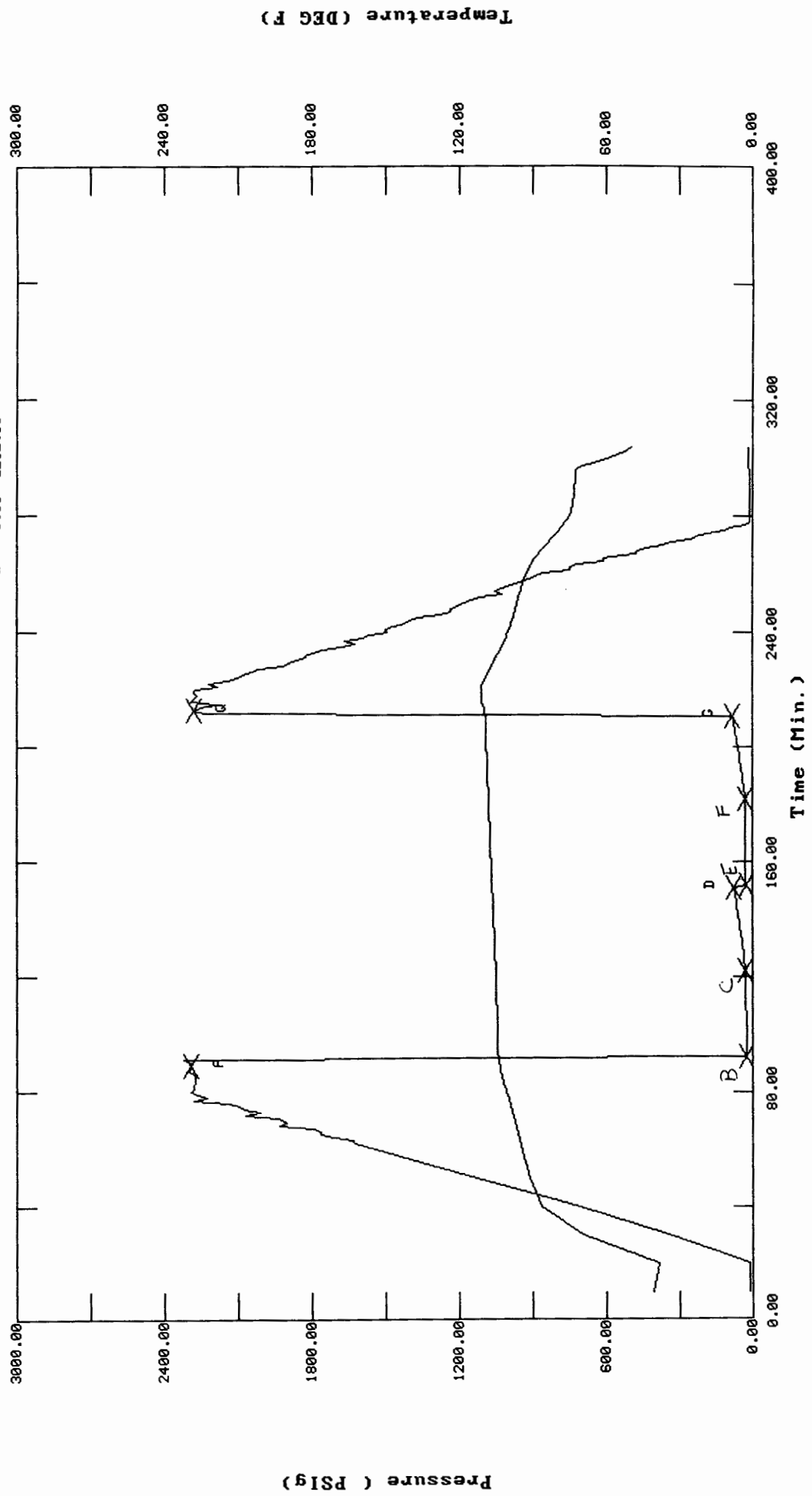
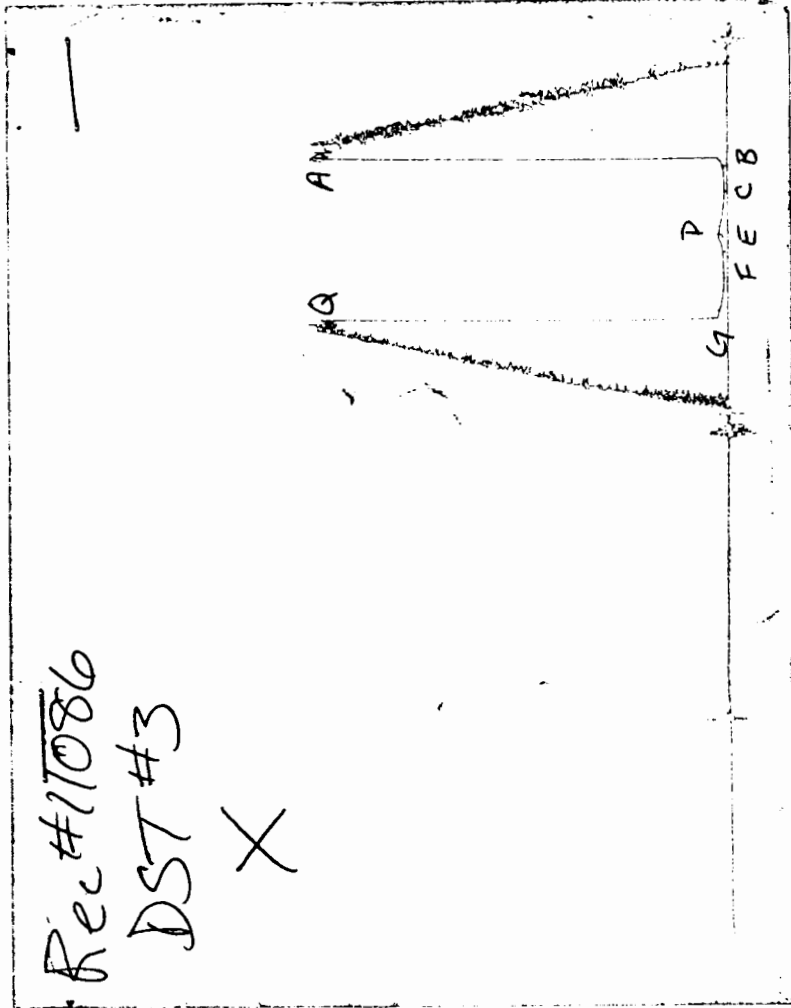


CHART PAGE

Rec #17086

DST #3

X



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

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8874,DST#3,Wanker Oil,Jack D. Lee #B-1

DATE: 03/02/96

TIME: 03:33:52

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** Initial Hydro.	89.00	2292.8	0.0	103.33		
***** Start Flow 1	0.00	20.8	0.0	103.97		
	1.00	21.3	0.5	104.08		
	2.00	21.6	0.8	104.17		
	3.00	21.8	1.0	104.22		
	4.00	22.0	1.2	104.26		
	5.00	22.3	1.5	104.31		
	6.00	22.5	1.7	104.33		
	7.00	22.6	1.8	104.35		
	8.00	22.7	1.9	104.38		
	9.00	22.9	2.1	104.40		
	10.00	23.0	2.2	104.43		
	11.00	23.2	2.4	104.44		
	12.00	23.6	2.8	104.46		
	13.00	23.8	3.0	104.48		
	14.00	23.9	3.1	104.50		
	15.00	24.2	3.4	104.53		
	16.00	24.3	3.5	104.54		
	17.00	24.7	3.9	104.57		
	18.00	25.0	4.2	104.59		
	19.00	25.3	4.4	104.62		
	20.00	25.3	4.4	104.65		
	21.00	25.3	4.5	104.68		
	22.00	25.3	4.5	104.71		
	23.00	25.3	4.5	104.75		
	24.00	25.7	4.9	104.78		
	25.00	25.6	4.8	104.82		
	26.00	25.5	4.7	104.86		
	27.00	25.6	4.8	104.89		
	28.00	25.7	4.9	104.93		
	29.00	26.0	5.2	104.98		
***** End Flow 1	30.00	26.2	5.4	105.02		
***** Start Shutin 1	0.00	26.2	0.0	105.02	0.0000	0.001
	1.00	27.8	1.6	105.06	31.0000	0.001
	2.00	29.3	3.1	105.11	16.0000	0.001
	3.00	30.7	4.5	105.15	11.0000	0.001
	4.00	32.1	6.0	105.20	8.5000	0.001
	5.00	33.6	7.4	105.24	7.0000	0.001
	6.00	35.1	8.9	105.30	6.0000	0.001
	7.00	36.6	10.4	105.35	5.2857	0.001
	8.00	38.0	11.8	105.40	4.7500	0.001
	9.00	39.5	13.3	105.45	4.3333	0.002
	10.00	41.0	14.9	105.50	4.0000	0.002
	11.00	42.5	16.4	105.55	3.7273	0.002
	12.00	44.1	18.0	105.60	3.5000	0.002
	13.00	45.6	19.5	105.65	3.3077	0.002
	14.00	47.3	21.1	105.70	3.1429	0.002
	15.00	49.0	22.8	105.76	3.0000	0.002
	16.00	50.6	24.4	105.80	2.8750	0.003
	17.00	52.4	26.2	105.86	2.7647	0.003
	18.00	54.0	27.9	105.91	2.6667	0.003

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8874,DST#3,Wanker Oil,Jack D. Lee #B-1

DATE: 03/02/96

TIME: 03:33:52

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	19.00	55.6	29.5	105.95	2.5789	0.003
	20.00	57.4	31.2	106.02	2.5000	0.003
	21.00	59.2	33.0	106.06	2.4286	0.003
	22.00	61.1	34.9	106.11	2.3636	0.004
	23.00	62.9	36.7	106.17	2.3043	0.004
	24.00	64.8	38.6	106.22	2.2500	0.004
	25.00	66.6	40.5	106.27	2.2000	0.004
	26.00	68.6	42.5	106.32	2.1538	0.005
	27.00	70.6	44.4	106.37	2.1111	0.005
	28.00	72.6	46.4	106.43	2.0714	0.005
***** End Shut-in 1	29.00	74.4	48.3	106.48	2.0345	0.006
***** Start Flow 2	0.00	23.9	0.0	106.52		
	1.00	26.6	2.7	106.57		
	2.00	26.8	2.9	106.63		
	3.00	26.0	2.1	106.67		
	4.00	27.1	3.2	106.72		
	5.00	26.0	2.1	106.77		
	6.00	25.8	1.9	106.82		
	7.00	26.8	2.9	106.87		
	8.00	27.1	3.2	106.91		
	9.00	27.4	3.5	106.97		
	10.00	27.5	3.6	107.02		
	11.00	27.7	3.8	107.06		
	12.00	27.9	3.9	107.11		
	13.00	27.9	4.0	107.16		
	14.00	28.0	4.1	107.21		
	15.00	28.0	4.1	107.26		
	16.00	27.4	3.4	107.31		
	17.00	27.0	3.1	107.36		
	18.00	26.1	2.2	107.40		
	19.00	26.4	2.5	107.45		
	20.00	26.9	3.0	107.50		
	21.00	26.7	2.8	107.55		
	22.00	26.4	2.5	107.60		
	23.00	26.8	2.9	107.65		
	24.00	27.2	3.3	107.70		
	25.00	27.2	3.3	107.75		
	26.00	26.6	2.7	107.80		
	27.00	26.8	2.9	107.85		
	28.00	27.4	3.4	107.90		
	29.00	27.8	3.9	107.95		
***** End Flow 2	30.00	27.0	3.1	108.00		
***** Start Shutin 2	0.00	27.0	0.0	108.00	0.0000	0.001
	1.00	28.8	1.8	108.05	61.0000	0.001
	2.00	30.5	3.5	108.10	31.0000	0.001
	3.00	32.2	5.2	108.15	21.0000	0.001
	4.00	33.8	6.8	108.19	16.0000	0.001
	5.00	35.6	8.6	108.24	13.0000	0.001
	6.00	37.3	10.3	108.30	11.0000	0.001
	7.00	38.9	11.9	108.34	9.5714	0.002
	8.00	40.6	13.6	108.39	8.5000	0.002

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8874,DST#3,Wanker Oil,Jack D. Lee #B-1

DATE: 03/02/96

TIME: 03:33:52

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	9.00	42.4	15.4	108.43	7.6667	0.002
	10.00	44.1	17.0	108.48	7.0000	0.002
	11.00	45.7	18.7	108.54	6.4545	0.002
	12.00	47.6	20.6	108.58	6.0000	0.002
	13.00	49.3	22.3	108.64	5.6154	0.002
	14.00	51.1	24.1	108.68	5.2857	0.003
	15.00	52.9	25.8	108.73	5.0000	0.003
	16.00	54.6	27.6	108.78	4.7500	0.003
	17.00	56.4	29.4	108.83	4.5294	0.003
	18.00	58.2	31.2	108.87	4.3333	0.003
	19.00	60.0	33.0	108.92	4.1579	0.004
	20.00	61.9	34.9	108.97	4.0000	0.004
	21.00	63.7	36.7	109.01	3.8571	0.004
	22.00	65.6	38.6	109.06	3.7273	0.004
	23.00	67.5	40.5	109.11	3.6087	0.005
	24.00	69.3	42.3	109.15	3.5000	0.005
	25.00	71.3	44.3	109.19	3.4000	0.005
	26.00	73.2	46.2	109.24	3.3077	0.005
	27.00	75.1	48.1	109.28	3.2222	0.006
	28.00	77.0	49.9	109.33	3.1429	0.006
***** End Shut-in 2	29.00	79.0	52.0	109.37	3.0690	0.006
***** Final Hydro.	213.00	2282.2	0.0	109.61		

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Jack D. Lee #B-1

LOCATION : 5-13S-33W, Logan Cty KS

TICKET No. 8874 D.S.T. No. 3 DATE 3-2-96

TOTAL TOOL TO BOTTOM OF TOP PACKERS 20

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 39

TOTAL TOOL 59

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STANDS Single Total

D.P. ANCHOR STANDS Single Total

TOTAL ASSEMBLY 59

D.C. ABOVE TOOLS STANDS Single 1 Total 30

D.P. ABOVE TOOLS STANDS 72 Single 1 Total 4508

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4597

TOTAL DEPTH 4570

TOTAL DRILL PIPE ABOVE K.B. 27

REMARKS:

P.O. SUB 120' up in D.C.	4390
C.O. SUB 1'	4511
S.I. TOOL 5'	4517
HMV 5'	4522
JARS N/A	
SAFETY JOINT N/A	
PACKER 5'	4526
PACKER 5'	4531
DEPTH 4531	
STUBB 1'	4532
ANCHOR	
Alpine Recorder	4536
33' perf.	4565
T.C. DEPTH	
AK-1 Recorder	4565
BULLNOSE 5'	
T.D.	4570

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

№ 8874

Test Ticket

Well Name & No. Jack D. Lee #B-1 Test No. #3 Date 3-2-96
 Company Wanker Oil Co. Zone Tested Johnson
 Address RR2 Box 14 Wakeeney, Ks Elevation 3064 KB 3056 GL
 Co. Rep / Geo. Mark Torr Cont. Discovery Drlg. Est. Ft. of Pay Por. %
 Location: Sec. 5 Twp. 13s Rge. 3.3w Co. Logan State Ks
 No. of Copies none Distribution Sheet (Y, N) N Turnkey (Y, N) N Evaluation (Y, N) N

Interval Tested 4531 to 4570 Initial Str Wt./Lbs. 49,000 Unseated Str Wt./Lbs. 49,000
 Anchor Length 39' Wt. Set Lbs. 22,000 Wt. Pulled Loose/Lbs. 58,000
 Top Packer Depth 4526 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Bottom Packer Depth 4531 Wt. Pipe I.D. — 2.7 Ft. Run
 Total Depth 4570 Drill Collar — 2.25 Ft. Run 30'
 Mud Wt. 9.5 LCM IR# Vis. 47 Wt. 10-0 Drill Pipe Size 4 1/2 XH / 3" I.D. Ft. Run 4508
 Blow Description I.F. - Weak surface blow, built to 1/4" in bucket
I.S.I. - No blow back
E.F. - Weak surface blow, built to 1/2" in bucket
F.S.I. - No blow back

Recovery — Total Feet	Ft. in DC	Ft. in WP	Ft. in DP
Rec. <u>15</u> Feet Of <u>OM</u>	<u>15</u>	<u> </u>	<u> </u>
Rec. <u> </u> Feet Of <u> </u>	<u> </u>	<u> </u>	<u> </u>
Rec. <u> </u> Feet Of <u> </u>	<u> </u>	<u> </u>	<u> </u>
Rec. <u> </u> Feet Of <u> </u>	<u> </u>	<u> </u>	<u> </u>
Rec. <u> </u> Feet Of <u> </u>	<u> </u>	<u> </u>	<u> </u>

BHT 119 °F Gravity °API D@ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides 3000 ppm System

(A) Initial Hydrostatic Mud	<u>2292</u> <u>2294</u> PSI	Recorder No. <u>2350</u>	T-Started <u>0320</u>
(B) First Initial Flow Pressure	<u>20</u> <u>32</u> PSI	@ (depth) <u>4536</u>	T-Open <u>0452</u>
(C) First Final Flow Pressure	<u>26</u> <u>21</u> PSI	Recorder No. <u>11086</u>	T-Pulled <u>0652</u>
(D) Initial Shut-in Pressure	<u>74</u> <u>76</u> PSI	@ (depth) <u>4565</u>	T-Out <u>0815</u>
(E) Second Initial Flow Pressure	<u>23</u> <u>21</u> PSI	Recorder No. <u> </u>	<u> </u>
(F) Second Final Flow Pressure	<u>27</u> <u>21</u> PSI	@ (depth) <u> </u>	<u> </u>
(G) Final Shut-in Pressure	<u>78</u> <u>65</u> PSI	Initial Opening <u>30</u>	Test <u>conventional 600</u>
(H) Final Hydrostatic Mud	<u>2282</u> <u>2272</u> PSI	Initial Shut-in <u>30</u>	Jars <u> </u>

Alpine Mechanical
 Final Flow 30 Safety Joint
 Final Shut-in 30 Straddle
 Circ. Sub Wk
 Sampler

Approved By Bill Clinton Extra Packer
Michael Fields Elect. Rec. 150
 Other
 Our Representative TOTAL PRICE \$ 750 5

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.

TRILOBITE TESTING L.L.C.

OPERATOR : Wanker Oil Co. DATE 3-3-96
 WELL NAME: Jack D. Lee #B-1 KB 3064.00 ft TICKET NO: 8875 DST #4
 LOCATION : 5-13S-33W, Logan Cty KS GR 3056.00 ft FORMATION: Lansing-K.C.
 INTERVAL : 4172.00 To 4224.00 ft TD 4663.00 ft TEST TYPE: CONV/STRADDLE

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----		
PF 0	Rec.	11086	2350	10332			PF Fr.	to	hr
SI 0	Range(Psi)	4350.0	4995.0	4025.0	0.0	0.0	IS Fr.	to	hr
SF 0	Clock(hrs)	AK-1	Alpin	AK-1			SF Fr.	to	hr
FS 0	Depth(ft)	4209.0	4182.0	4660.0	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	1130	hr
B. First Flow	0.0	0.0	0.0	0.0	0.0	T ON BOTM	1308	hr
B1. Final Flow	0.0	0.0	0.0	0.0	0.0	T OPEN	1310	hr
C. In Shut-in	0.0	0.0	0.0	0.0	0.0	T PULLED	1325	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	TOOL DATA-----		
G. Final Hydro	0.0	0.0	0.0	0.0	0.0	Tool Wt.	2200.00	lbs
Inside/Outside	O	I	T			Wt Set On Packer	40000.00	lbs
						Wt Pulled Loose	0.00	lbs
						Initial Str Wt	56000.00	lbs
						Unseated Str Wt	0.00	lbs
						Bot Choke	0.75	in
						Hole Size	7.88	in
						D Col. ID	2.25	in
						D. Pipe ID	3.82	in
						D.C. Length	30.00	ft
						D.P. Length	4602.00	ft

RECOVERY

Tot Fluid 200.00 ft of 30.00 ft in DC and 170.00 ft in DP
 200.00 ft of Drilling mud

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

BLOW DESCRIPTION

*Misrun - packer failure

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.50 lb/c:
Vis.	47.00 S/L
W.L.	10.00 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	0.00 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	Mike McVey
Co. Rep.	Mark Torr
Contr.	Discovery Drlg
Rig #	1
Unit #	
Pump T.	

Test Successful: N

TEST HISTORY

8875, DST#4, Wanker Oil, Jack D Lee #B-1'

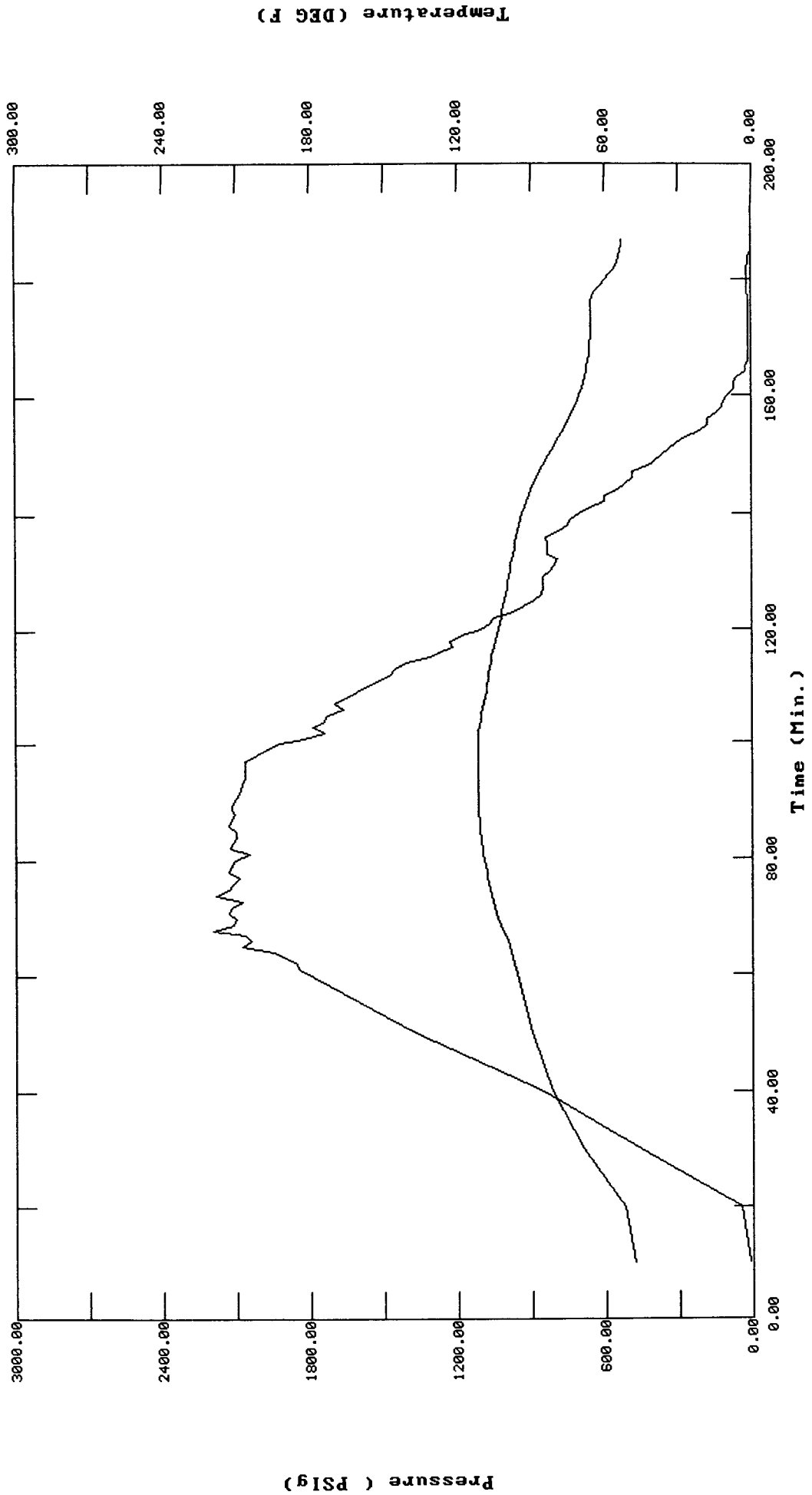
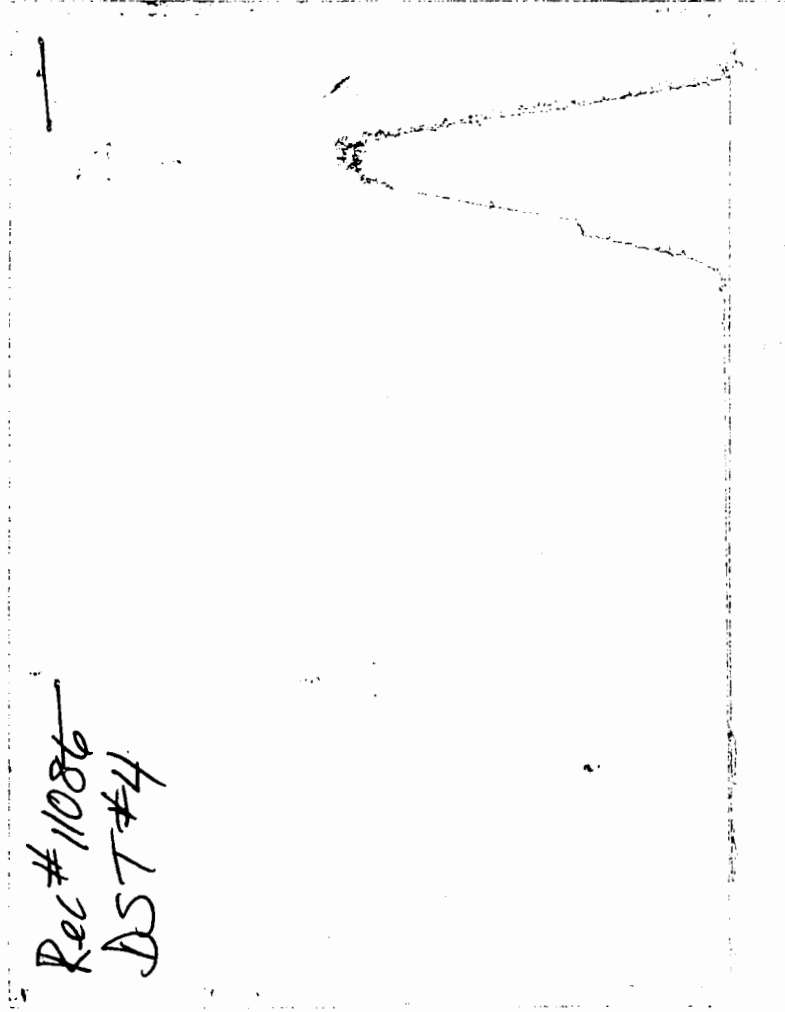
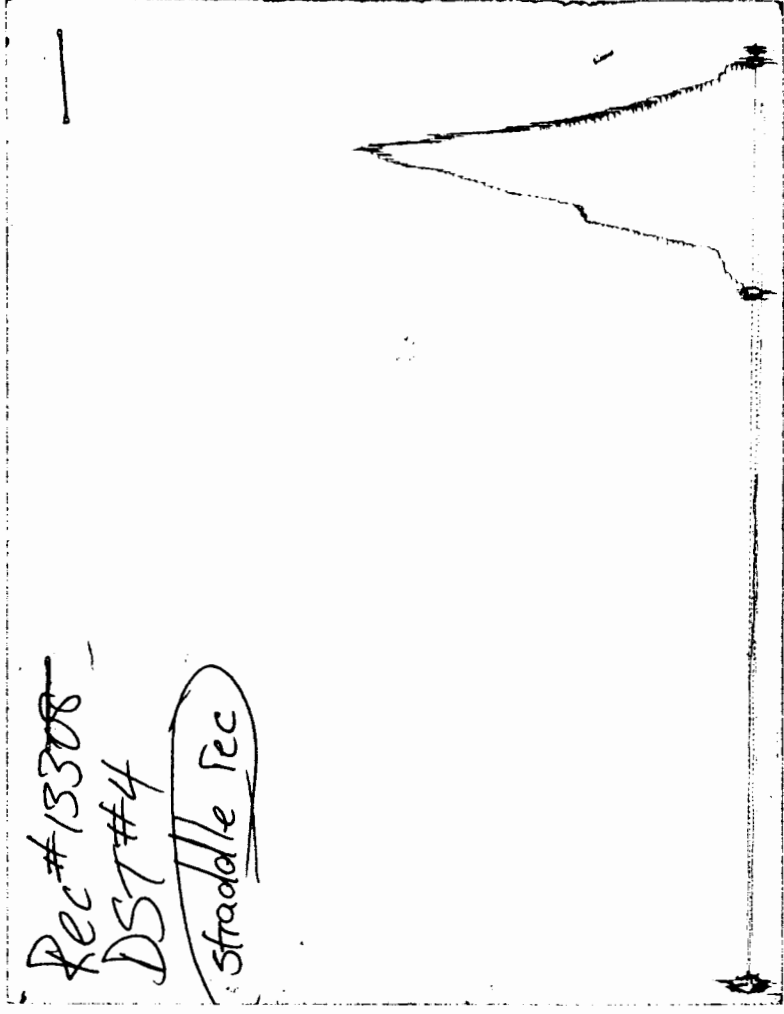


CHART PAGE



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

CHART PAGE



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

*** TOOL DIAGRAM *** CONV/STRADDLE

WELL NAME: Jack D. Lee #B-1

LOCATION : 5-13S-33W, Logan Cty KS

TICKET No. 8875 D.S.T. No. 4 DATE 3-3-96

TOTAL TOOL TO BOTTOM OF TOP PACKERS 20

INTERVAL TOOL 22

BOTTOM PACKERS AND ANCHOR 8

TOTAL TOOL 50

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single 1 Total 30

D.P. ANCHOR STND.Stands 7 Single Total 431

TOTAL ASSEMBLY 511

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands67 Single Total 4170

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4681

TOTAL DEPTH 4663

TOTAL DRILL PIPE ABOVE K.B. 18

REMARKS:

P.O. SUB 120' up in D.C.	4031
C.O. SUB 1'	4152
S.I. TOOL 5'	4158
HMV 5'	4163
JARS N/A	
SAFETY JOINT N/A	
PACKER 5'	4167
PACKER 5'	4172
DEPTH 4172	
STUBB 1'	4173
ANCHOR 5' perf	4178
1' C.O.	4179
Alpine Recorder	4182
30'jt. D.P.	4209
AK-1 Recorder	4209
1' C.O.	4210
10' perf	4220
T.C. 3'	4223
DEPTH 4223	
PACKER	4224
stubb, 1'	4225
1'C.O.	4226
431' D.P.	4657
1' C.O.	4658
AK-1 Recorder	4660
BULLNOSE 5'	
T.D.	4663

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

NE 8875

Test Ticket

Well Name & No. Jack D. Lee #B-1 Test No. #4 Date 3-3-96
 Company Wanker Oil Co Zone Tested Lansing - K.C.
 Address RR 2 Box 14 Wakeeney Ks 67472 Elevation 3004 KB 3056 GL
 Co. Rep / Geo. Mark Torr Cont. Discovery Drlg Est. Ft. of Pay Por. %
 Location: Sec. 5 Twp. 13s Rge. 33w Co. Logan State Ks
 No. of Copies normal Distribution Sheet (Y, N) N Turnkey (Y, N) N Evaluation (Y, N) N

Interval Tested 4172 +0 4224 Initial Str Wt./Lbs. Unseated Str Wt./Lbs.
 Anchor Length 52' Wt. Set Lbs. 40000 Wt. Pulled Loose/Lbs.
 Top Packer Depth 4172 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Bottom Packer Depth 4224 Wt. Pipe I.D. — 2.7 Ft. Run
 Total Depth 4663 Drill Collar — 2.25 Ft. Run 30
 Mud Wt. 9.5 LCM Vis. 47 WL 10.0 Drill Pipe Size 4 1/2" I.D. Ft. Run 4602
 Blow Description

Mist run / No packer seat

Recovery — Total Feet	Ft. in DC	Ft. in WP	Ft. in DP	%gas	%oil	%water	%mud
Rec. <u>200</u> Feet Of <u>drilling mud</u>							
Rec. <u> </u> Feet Of <u> </u>							
Rec. <u> </u> Feet Of <u> </u>							
Rec. <u> </u> Feet Of <u> </u>							

BHT °F Gravity °API D@ °F Corrected Gravity °API
 RW @ °F Chlorides ppm Recovery Chlorides 3600 ppm System
 (A) Initial Hydrostatic Mud PSI Recorder No. 2350 T-Started 1130
 (B) First Initial Flow Pressure PSI @ (depth) 4182 T-Open 1310
 (C) First Final Flow Pressure PSI Recorder No. 11086 T-Pulled 1325
 (D) Initial Shut-in Pressure PSI @ (depth) 4209 T-Out
 (E) Second Initial Flow Pressure PSI Recorder No. 10332
 (F) Second Final Flow Pressure PSI @ (depth) 4660
 (G) Final Shut-in Pressure PSI Initial Opening Test straddle 400
 (H) Final Hydrostatic Mud PSI Initial Shut-in Jars

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Approved By *Didi Truoy* Final Flow Safety Joint
 Our Representative *Mark Torr* Final Shut-in Straddle 250
 Circ. Sub n/c (M)
 Sampler
 Extra Packer 150
 Elect. Rec. 150
 Other
 TOTAL PRICE \$ 950 6

TRILOBITE TESTING L.L.C.

OPERATOR : Wanker Oil Co. DATE 3-3-96
 WELL NAME: Jack D.Lee #B-1 KB 3064.00 ft TICKET NO: 8426 DST #5
 LOCATION : 5-13S-33W, Logan Cty KS GR 3056.00 ft FORMATION: Lansing-K.C.
 INTERVAL : 4119.00 To 4223.00 ft TD 4663.00 ft TEST TYPE: CONV/STRADDLE

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 60	Rec.	11086	11086	2350	10332		PF Fr. 1714 to 1814 hr
SI 60	Range(Psi)	4350.0	4350.0	4995.0	4025.0	0.0	IS Fr. 1814 to 1914 hr
SF 60	Clock(hrs)	AK-1	AK-1	Alpin	AK-1		SF Fr. 1914 to 2014 hr
FS 60	Depth(ft)	4194.0	4194.0	4136.0	4660.0	0.0	FS Fr. 2014 to 2114 hr

	Field	1	2	3	4	
A. Init Hydro	2109.0	2103.0	2091.0	0.0	0.0	T STARTED 1530 hr
B. First Flow	109.0	109.0	34.0	0.0	0.0	T ON BOTM 1712 hr
B1. Final Flow	163.0	157.0	125.0	0.0	0.0	T OPEN 1714 hr
C. In Shut-in	1314.0	1299.0	1282.0	0.0	0.0	T PULLED 2114 hr
D. Init Flow	185.0	175.0	130.0	0.0	0.0	T OUT 2330 hr
E. Final Flow	240.0	214.0	212.0	0.0	0.0	
F. Fl Shut-in	1292.0	1247.0	1267.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2109.0	2066.0	2069.0	0.0	0.0	Tool Wt. 2200.00 lbs
Inside/Outside	O	O	I	T		Wt Set On Packer 40000.00 lbs
						Wt Pulled Loose 68000.00 lbs
						Initial Str Wt 56000.00 lbs
						Unseated Str Wt 59000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.82 in
						D.C. Length 30.00 ft
						D.P. Length 4571.00 ft

RECOVERY

Tot Fluid 435.00 ft of 0.00 ft in DC and 435.00 ft in DP
 155.00 ft of Watery mud - 40% water, 60% mud
 280.00 ft of Muddy water - 70% water, 30% mud

RW .483 @ 63.3 F

SALINITY 15000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow -
 Built steadily to bottom of bucket in
 36 min

Initial Shutin -
 No blow back

Final Flow -
 Built steadily to bottom of bucket in
 51 min

Final Shutin -
 No blow back

SAMPLES: No
 SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.50 lb/cr
Vis.	47.00 S/L
W.L.	10.00 in3
F.C.	0.00 in
Mud Drop	
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	3
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Mike McVey
Co. Rep.	Mark Torr
Contr.	Discovery Drlg
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

TEST HISTORY

8426, DST#5, Wanker Oil Co., Jack D. Lee #B-1

Flag Points

t (Min.)	P (PSig)
A: 0.00	2091.14
B: 0.00	33.98
C: 62.00	125.38
D: 59.00	1281.99
E: 0.00	129.66
F: 58.00	211.74
G: 60.00	1266.63
Q: 0.00	2069.23

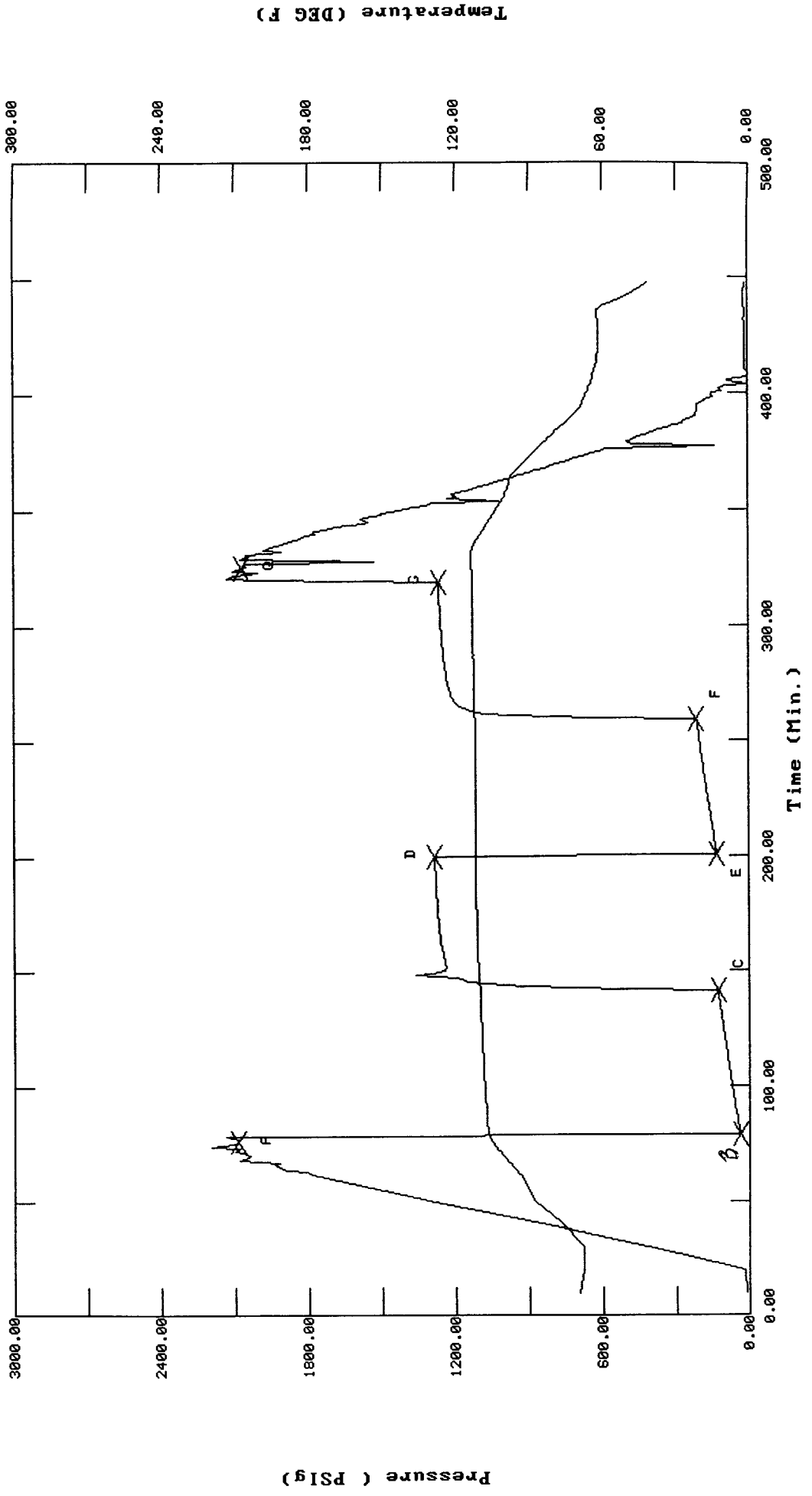
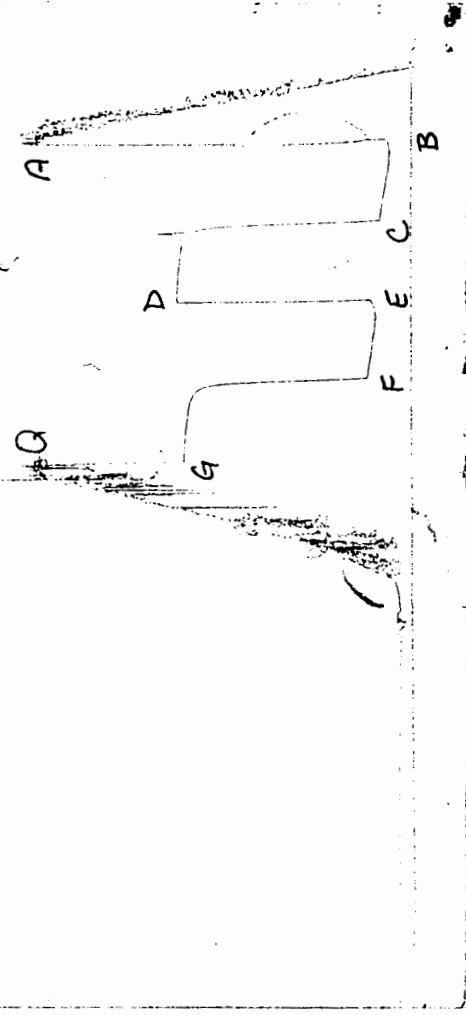


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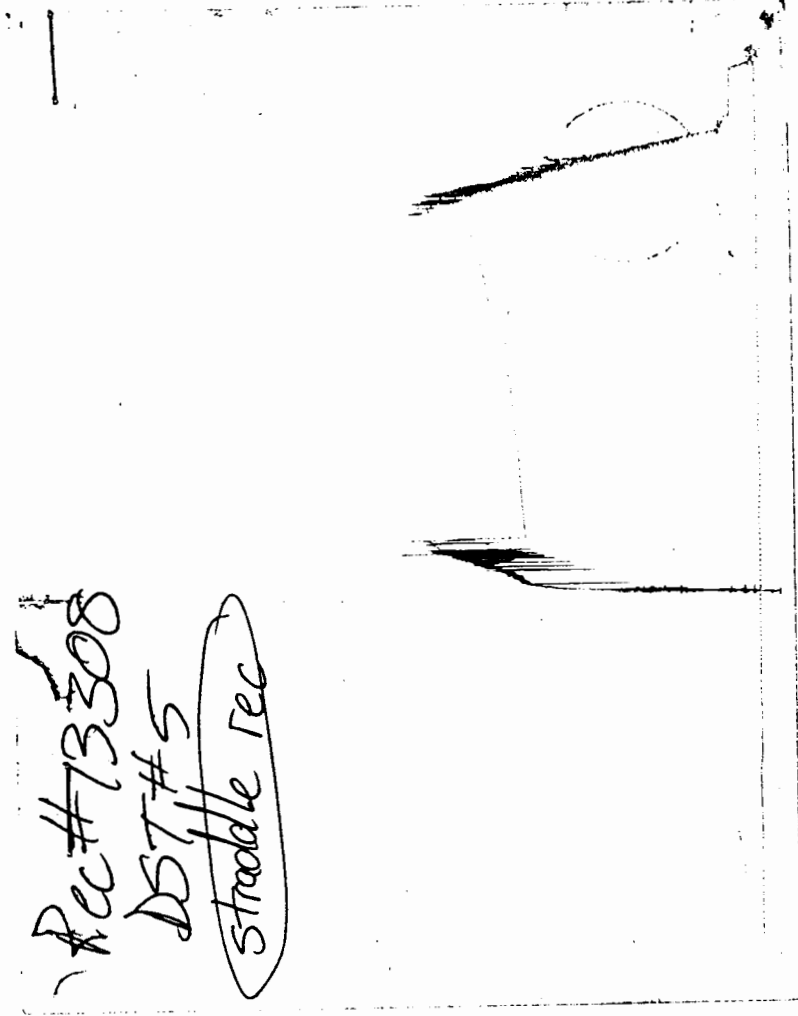
~~Rec # 11086~~
DST # 5
X



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CHART PAGE

Rec # 73308
DST # 5
straddle rec



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

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8426,DST#5,Wanker Oil Co,Jack D. Lee #B-1

DATE: 03/03/96 TIME: 16:08:26

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** Initial Hydro.	76.00	2091.1	0.0	105.10		
***** Start Flow 1	0.00	34.0	0.0	106.30		
	1.00	36.1	2.1	106.56		
	2.00	37.5	3.5	106.76		
	3.00	39.6	5.6	106.91		
	4.00	41.9	7.9	107.02		
	5.00	43.6	9.7	107.11		
	6.00	45.3	11.3	107.18		
	7.00	47.0	13.0	107.25		
	8.00	48.5	14.5	107.31		
	9.00	50.1	16.1	107.36		
	10.00	51.7	17.7	107.42		
	11.00	53.2	19.2	107.47		
	12.00	55.1	21.1	107.53		
	13.00	56.7	22.7	107.58		
	14.00	58.4	24.4	107.64		
	15.00	59.9	25.9	107.69		
	16.00	61.3	27.4	107.75		
	17.00	63.0	29.0	107.81		
	18.00	64.5	30.5	107.86		
	19.00	65.9	31.9	107.93		
	20.00	67.4	33.4	107.98		
	21.00	69.1	35.2	108.04		
	22.00	70.7	36.7	108.10		
	23.00	72.1	38.1	108.15		
	24.00	73.4	39.4	108.21		
	25.00	74.8	40.8	108.26		
	26.00	76.2	42.2	108.32		
	27.00	77.6	43.6	108.38		
	28.00	79.1	45.1	108.43		
	29.00	80.4	46.4	108.48		
	30.00	82.1	48.1	108.54		
	31.00	83.8	49.9	108.58		
	32.00	85.1	51.1	108.64		
	33.00	86.5	52.5	108.69		
	34.00	87.9	53.9	108.74		
	35.00	89.2	55.2	108.80		
	36.00	90.5	56.6	108.84		
	37.00	91.9	57.9	108.89		
	38.00	93.2	59.3	108.94		
	39.00	94.7	60.8	108.98		
	40.00	96.5	62.5	109.03		
	41.00	97.7	63.7	109.07		
	42.00	99.0	65.0	109.12		
	43.00	100.3	66.3	109.16		
	44.00	101.6	67.6	109.20		
	45.00	103.0	69.0	109.25		
	46.00	104.3	70.3	109.29		
	47.00	105.7	71.8	109.33		
	48.00	106.9	72.9	109.37		
	49.00	108.2	74.2	109.41		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8426,DST#5,Wanker Oil Co,Jack D. Lee #B-1

DATE: 03/03/96 TIME: 16:08:26

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	50.00	109.9	76.0	109.45		
	51.00	111.2	77.2	109.49		
	52.00	112.5	78.5	109.53		
	53.00	113.8	79.8	109.57		
	54.00	115.1	81.2	109.60		
	55.00	116.3	82.3	109.64		
	56.00	117.7	83.8	109.68		
	57.00	119.0	85.0	109.72		
	58.00	120.3	86.3	109.74		
	59.00	121.6	87.6	109.79		
	60.00	123.1	89.1	109.82		
	61.00	124.2	90.2	109.85		
***** End Flow 1	62.00	125.4	91.4	109.89		
***** Start Shutin 1	0.00	125.4	0.0	109.89	0.0000	0.016
	1.00	502.2	376.8	109.93	63.0000	0.252
	2.00	917.9	792.5	109.98	32.0000	0.843
	3.00	1071.1	945.7	110.04	21.6667	1.147
	4.00	1150.6	1025.3	110.10	16.5000	1.324
	5.00	1174.6	1049.2	110.17	13.4000	1.380
	6.00	1192.1	1066.7	110.25	11.3333	1.421
	7.00	1362.8	1237.4	110.31	9.8571	1.857
	8.00	1295.9	1170.5	110.37	8.7500	1.679
	9.00	1243.9	1118.5	110.43	7.8889	1.547
	10.00	1235.7	1110.4	110.49	7.2000	1.527
	11.00	1236.3	1111.0	110.54	6.6364	1.529
	12.00	1238.6	1113.2	110.58	6.1667	1.534
	13.00	1241.0	1115.7	110.62	5.7692	1.540
	14.00	1244.0	1118.6	110.65	5.4286	1.547
	15.00	1246.0	1120.6	110.69	5.1333	1.552
	16.00	1248.1	1122.7	110.73	4.8750	1.558
	17.00	1249.9	1124.5	110.76	4.6471	1.562
	18.00	1251.9	1126.5	110.79	4.4444	1.567
	19.00	1253.4	1128.0	110.83	4.2632	1.571
	20.00	1255.0	1129.6	110.83	4.1000	1.575
	21.00	1256.4	1131.0	110.87	3.9524	1.579
	22.00	1257.7	1132.4	110.89	3.8182	1.582
	23.00	1259.1	1133.7	110.92	3.6957	1.585
	24.00	1260.2	1134.8	110.95	3.5833	1.588
	25.00	1261.3	1136.0	110.97	3.4800	1.591
	26.00	1262.4	1137.1	111.00	3.3846	1.594
	27.00	1263.4	1138.1	111.02	3.2963	1.596
	28.00	1264.5	1139.2	111.04	3.2143	1.599
	29.00	1265.4	1140.0	111.11	3.1379	1.601
	30.00	1266.3	1140.9	111.08	3.0667	1.604
	31.00	1267.1	1141.8	110.98	3.0000	1.606
	32.00	1267.9	1142.5	111.12	2.9375	1.608
	33.00	1268.7	1143.3	111.14	2.8788	1.610
	34.00	1269.5	1144.1	111.16	2.8235	1.612
	35.00	1270.2	1144.9	111.18	2.7714	1.614
	36.00	1270.8	1145.4	111.20	2.7222	1.615
	37.00	1271.5	1146.1	111.22	2.6757	1.617

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: 8426,DST#5,Wanker Oil Co,Jack D. Lee #B-1
 DATE: 03/03/96 TIME: 16:08:26

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	38.00	1272.1	1146.7	111.24	2.6316	1.618
	39.00	1272.8	1147.5	111.26	2.5897	1.620
	40.00	1273.4	1148.0	111.28	2.5500	1.622
	41.00	1273.9	1148.6	111.29	2.5122	1.623
	42.00	1274.5	1149.1	111.31	2.4762	1.624
	43.00	1275.1	1149.7	111.33	2.4419	1.626
	44.00	1275.9	1150.6	111.34	2.4091	1.628
	45.00	1276.3	1150.9	111.35	2.3778	1.629
	46.00	1277.0	1151.6	111.37	2.3478	1.631
	47.00	1277.2	1151.8	111.39	2.3191	1.631
	48.00	1277.7	1152.3	111.40	2.2917	1.633
	49.00	1278.2	1152.8	111.42	2.2653	1.634
	50.00	1279.2	1153.8	111.43	2.2400	1.636
	51.00	1279.1	1153.8	111.45	2.2157	1.636
	52.00	1279.6	1154.2	111.48	2.1923	1.637
	53.00	1280.0	1154.6	111.48	2.1698	1.638
	54.00	1280.3	1154.9	111.49	2.1481	1.639
	55.00	1280.6	1155.3	111.49	2.1273	1.640
	56.00	1281.1	1155.7	111.52	2.1071	1.641
	57.00	1281.3	1155.9	111.52	2.0877	1.642
	58.00	1281.8	1156.4	111.54	2.0690	1.643
***** End Shut-in 1	59.00	1282.0	1156.6	111.57	2.0508	1.643
***** Start Flow 2	0.00	129.7	0.0	111.55		
	1.00	131.0	1.3	111.53		
	2.00	132.6	2.9	111.50		
	3.00	134.0	4.4	111.47		
	4.00	135.5	5.9	111.44		
	5.00	137.1	7.5	111.41		
	6.00	138.9	9.2	111.39		
	7.00	140.2	10.6	111.37		
	8.00	141.8	12.2	111.36		
	9.00	143.2	13.5	111.35		
	10.00	144.6	14.9	111.35		
	11.00	146.1	16.4	111.34		
	12.00	147.5	17.9	111.34		
	13.00	149.0	19.3	111.34		
	14.00	150.3	20.6	111.35		
	15.00	152.2	22.5	111.36		
	16.00	153.5	23.8	111.36		
	17.00	155.1	25.4	111.37		
	18.00	156.4	26.8	111.37		
	19.00	157.9	28.3	111.39		
	20.00	159.4	29.7	111.39		
	21.00	160.7	31.1	111.41		
	22.00	162.1	32.5	111.41		
	23.00	163.6	33.9	111.42		
	24.00	165.2	35.5	111.44		
	25.00	166.8	37.2	111.45		
	26.00	168.3	38.6	111.46		
	27.00	169.5	39.9	111.47		
	28.00	171.0	41.3	111.48		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8426,DST#5,Wanker Oil Co,Jack D. Lee #B-1

DATE: 03/03/96 TIME: 16:08:26

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	29.00	172.4	42.7	111.48		
	30.00	173.7	44.1	111.49		
	31.00	175.0	45.3	111.51		
	32.00	176.4	46.7	111.52		
	33.00	177.8	48.1	111.53		
	34.00	179.4	49.8	111.55		
	35.00	180.9	51.3	111.55		
	36.00	182.2	52.5	111.56		
	37.00	183.6	54.0	111.58		
	38.00	185.0	55.3	111.58		
	39.00	186.2	56.6	111.59		
	40.00	187.6	57.9	111.60		
	41.00	188.9	59.3	111.61		
	42.00	190.3	60.6	111.62		
	43.00	191.7	62.0	111.63		
	44.00	193.0	63.4	111.64		
	45.00	194.6	65.0	111.65		
	46.00	195.9	66.2	111.66		
	47.00	197.1	67.5	111.68		
	48.00	198.5	68.8	111.68		
	49.00	199.7	70.1	111.69		
	50.00	201.0	71.3	111.71		
	51.00	202.3	72.6	111.72		
	52.00	203.6	73.9	111.73		
	53.00	204.8	75.1	111.73		
	54.00	206.1	76.5	111.75		
	55.00	207.7	78.1	111.75		
	56.00	209.1	79.4	111.77		
	57.00	210.4	80.7	111.78		
***** End Flow 2	58.00	211.7	82.1	111.79		
***** Start Shutin 2	0.00	211.7	0.0	111.79	0.0000	0.045
	1.00	639.6	427.9	111.80	121.0000	0.409
	2.00	963.9	752.2	111.83	61.0000	0.929
	3.00	1085.8	874.0	111.88	41.0000	1.179
	4.00	1133.9	922.2	111.91	31.0000	1.286
	5.00	1161.7	950.0	111.96	25.0000	1.350
	6.00	1179.2	967.4	112.00	21.0000	1.390
	7.00	1190.8	979.1	112.04	18.1429	1.418
	8.00	1199.2	987.5	112.08	16.0000	1.438
	9.00	1205.5	993.8	112.11	14.3333	1.453
	10.00	1210.8	999.1	112.14	13.0000	1.466
	11.00	1215.2	1003.4	112.19	11.9091	1.477
	12.00	1218.7	1007.0	112.20	11.0000	1.485
	13.00	1221.8	1010.1	112.23	10.2308	1.493
	14.00	1224.7	1012.9	112.23	9.5714	1.500
	15.00	1227.2	1015.4	112.25	9.0000	1.506
	16.00	1229.4	1017.6	112.27	8.5000	1.511
	17.00	1231.5	1019.7	112.29	8.0588	1.517
	18.00	1233.2	1021.5	112.29	7.6667	1.521
	19.00	1235.1	1023.3	112.32	7.3158	1.525
	20.00	1236.7	1024.9	112.33	7.0000	1.529

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8426,DST#5,Wanker Oil Co,Jack D. Lee #B-1

DATE: 03/03/96

TIME: 16:08:26

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
21.00	1238.1	1026.4	112.34	6.7143	1.533
22.00	1239.5	1027.8	112.35	6.4545	1.536
23.00	1240.9	1029.1	112.36	6.2174	1.540
24.00	1242.2	1030.5	112.37	6.0000	1.543
25.00	1243.2	1031.5	112.38	5.8000	1.546
26.00	1244.5	1032.7	112.40	5.6154	1.549
27.00	1245.6	1033.8	112.43	5.4444	1.551
28.00	1246.7	1034.9	112.40	5.2857	1.554
29.00	1247.8	1036.1	112.42	5.1379	1.557
30.00	1248.8	1037.0	112.42	5.0000	1.559
31.00	1249.7	1037.9	112.42	4.8710	1.562
32.00	1250.7	1038.9	112.44	4.7500	1.564
33.00	1251.5	1039.8	112.44	4.6364	1.566
34.00	1252.4	1040.6	112.45	4.5294	1.568
35.00	1253.2	1041.5	112.46	4.4286	1.571
36.00	1254.0	1042.2	112.47	4.3333	1.572
37.00	1254.8	1043.1	112.48	4.2432	1.575
38.00	1255.4	1043.6	112.48	4.1579	1.576
39.00	1256.1	1044.3	112.50	4.0769	1.578
40.00	1256.8	1045.1	112.50	4.0000	1.580
41.00	1257.3	1045.6	112.52	3.9268	1.581
42.00	1258.1	1046.3	112.53	3.8571	1.583
43.00	1258.7	1046.9	112.55	3.7907	1.584
44.00	1259.2	1047.4	112.54	3.7273	1.585
45.00	1259.7	1047.9	112.55	3.6667	1.587
46.00	1260.3	1048.6	112.44	3.6087	1.588
47.00	1260.8	1049.0	112.50	3.5532	1.590
48.00	1261.3	1049.6	112.57	3.5000	1.591
49.00	1261.8	1050.1	112.57	3.4490	1.592
50.00	1262.3	1050.5	112.59	3.4000	1.593
51.00	1262.7	1050.9	112.59	3.3529	1.594
52.00	1263.3	1051.5	112.60	3.3077	1.596
53.00	1263.8	1052.0	112.61	3.2642	1.597
54.00	1264.2	1052.5	112.62	3.2222	1.598
55.00	1264.5	1052.8	112.63	3.1818	1.599
56.00	1265.1	1053.4	112.63	3.1429	1.601
57.00	1265.5	1053.8	112.64	3.1053	1.602
58.00	1265.9	1054.1	112.65	3.0690	1.602
59.00	1266.3	1054.6	112.66	3.0339	1.604
***** End Shut-in 2	60.00	1266.6	1054.9	112.66	1.604
***** Final Hydro.	325.00	2069.2	0.0	113.07	

*** TOOL DIAGRAM *** CONV/STRADDLE

WELL NAME: Jack D.Lee #B-1

LOCATION : 5-13S-33W, Logan Cty KS

TICKET No. 8426 D.S.T. No. 5 DATE 3-3-96

TOTAL TOOL TO BOTTOM OF TOP PACKERS 20

INTERVAL TOOL 43

BOTTOM PACKERS AND ANCHOR 8

TOTAL TOOL 71

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single 1 Total 30

D.P. ANCHOR STND.Stands 7 Single 1 Total 463

TOTAL ASSEMBLY 564

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands 66 Single 1 Total 4108

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4672

TOTAL DEPTH 4663

TOTAL DRILL PIPE ABOVE K.B. 9

REMARKS:

P.O. SUB 120' up in D.C.	3978
C.O. SUB 1'	4099
S.I. TOOL 5'	4105
HMV 5'	4110
JARS N/A	
SAFETY JOINT N/A	
PACKER 5'	4114
PACKER 5'	4119
DEPTH 4119	
STUBB 1'	4120
ANCHOR 11' perf	4131
1' C.O.	4132
Alpine Recorder	4136
61' D.P.	4193
1' C.O.	4194
AK-1 Recorder	4194
24' perf.	4218
T.C. 4'	4222
DEPTH 4222	
PACKER	4223
stubb, 1'	4224
1' C.O.	4225
432' D.P.	4657
1' C.O.	4658
AK-1 Recorder	4660
BULLNOSE 5'	
T.D.	4663

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

№ 8426

Test Ticket

Well Name & No. Jack D. Lee #B-1 Test No. #5 Date 3-3-96
 Company Wanker Oil Co. Zone Tested Lansing-K.C.
 Address RR 2 Box 14 Wakeeney, Ks 67672 Elevation 3064 KB 3056GL
 Co. Rep / Geo. Mark Torr Cont. Discovery Drlg Est. Ft. of Pay Por. %
 Location: Sec. 5 Twp. 13s Rge. 33w Co. Logan State Ks
 No. of Copies normal Distribution Sheet (Y, N) N Turnkey (Y, N) N Evaluation (Y, N) N

Interval Tested 4119 to 4223 Initial Str Wt./Lbs. 56,000 Unseated Str Wt./Lbs. 59,000
 Anchor Length 104' Wt. Set Lbs. 40,000 Wt. Pulled Loose/Lbs. 68,000
 Top Packer Depth 4119 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Bottom Packer Depth 4223 Wt. Pipe I.D. — 2.7 Ft. Run
 Total Depth 4663 Drill Collar — 2.25 Ft. Run 30'
 Mud Wt. 9.5 LCM TR# Vis. 47 WL 10.0 Drill Pipe Size 4 1/2 X 1 1/2" I.D. Ft. Run ~~4571~~
 Blow Description T.F. - Built steadily to B.O.B. in 36 min
I.S.I. - No blow back
F.F. - Built steadily to B.O.B. in 51 min
F.S.I. - No blow back

Recovery — Total Feet	Ft. in DC	Ft. in WP	Ft. in DP	%gas	%oil	%water	%mud
<u>435</u>	<u> </u>	<u> </u>	<u>435</u>	<u> </u>	<u>40</u>	<u>60</u>	<u> </u>
Rec. <u>155</u> Feet Of <u>WM</u>							
Rec. <u>280</u> Feet Of <u>MW</u>					<u>70</u>	<u>30</u>	
Rec. <u> </u> Feet Of <u> </u>							
Rec. <u> </u> Feet Of <u> </u>							
Rec. <u> </u> Feet Of <u> </u>							

BHT 120 °F Gravity °API D@ °F Corrected Gravity °API

RW 483 @ 43.3 °F Chlorides 15,000 ppm Recovery Chlorides 3600 ppm System

(A) Initial Hydrostatic Mud	<u>2091</u> <u>2109</u> PSI	Recorder No.	<u>2350</u>	T-Started	<u>15:30</u>
(B) First Initial Flow Pressure	<u>33</u> <u>109</u> PSI	@ (depth)	<u>41.36</u>	T-Open	<u>17:14</u>
(C) First Final Flow Pressure	<u>125</u> <u>163</u> PSI	Recorder No.	<u>11086</u>	T-Pulled	<u>21:14</u>
(D) Initial Shut-in Pressure	<u>1281</u> <u>1314</u> PSI	@ (depth)	<u>41.94</u>	T-Out	<u>23:30</u>
(E) Second Initial Flow Pressure	<u>129</u> <u>185</u> PSI	Recorder No.	<u>13308</u>		
(F) Second Final Flow Pressure	<u>211</u> <u>240</u> PSI	@ (depth)	<u>46.60</u>		
(G) Final Shut-in Pressure	<u>1266</u> <u>1292</u> PSI	Initial Opening	<u>60</u>	Test	<u>straddle 600</u>
(H) Final Hydrostatic Mud	<u>2097</u> <u>2109</u> PSI	Initial Shut-in	<u>60</u>	Jars	<u> </u>

Alpine Mechanical

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Approved By Bob Dole
 Our Representative Mike Ma...
 Final Flow 60 Safety Joint
 Final Shut-in 60 Straddle 250
 Circ. Sub N/C
 Sampler
 Extra Packer 150
 Elect. Rec. 150
 Other
 TOTAL PRICE \$ 1150

5