

ORIGINAL

Well Name: #1-3 D. OETKEN
Company : CROSS BAR PET / L.D. DRILLING
Location - Sec: 3 **Twp:** 19S **Rge:** 17W
County: RUSH **State:** KS
Date: 12/1/95

15-165-21688

TRILOBITE TESTING L.L.C.

OPERATOR : Cross Bar Pet./L.D. Drlg
 WELL NAME: #1-3 D. Oetken
 LOCATION : 03-19S-17W, Rush Cty KS
 INTERVAL : 3466.00 To 3488.00 ft

DATE 11-29-95
 KB 2064.00 ft TICKET NO: 8660 DST #1
 GR 2059.00 ft FORMATION: Lansing 'B'
 TD 3488.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 45	Rec.	24174	24174	10994			PF Fr. 0251 to 0336 hr
SI 60	Range(Psi)	3050.0	3050.0	4200.0	0.0	0.0	IS Fr. 0336 to 0436 hr
SF 45	Clock(hrs)	AK-1	AK-1	AK-1			SF Fr. 0436 to 0521 hr
FS 60	Depth(ft)	3470.0	3470.0	3483.0	0.0	0.0	FS Fr. 0521 to 0621 hr

	Field	1	2	3	4	
A. Init Hydro	1750.0	1742.0	0.0	0.0	0.0	T STARTED 0147 hr
B. First Flow	22.0	23.0	0.0	0.0	0.0	T ON BOTM 0249 hr
Bl. Final Flow	127.0	137.0	0.0	0.0	0.0	T OPEN 0251 hr
C. In Shut-in	1167.0	1171.0	0.0	0.0	0.0	T PULLED 0621 hr
D. Init Flow	172.0	175.0	0.0	0.0	0.0	T OUT 0800 hr
E. Final Flow	196.0	202.0	0.0	0.0	0.0	
F. Fl Shut-in	1160.0	1166.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1628.0	1625.0	0.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	I	I	O			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 65000.00 lbs
						Initial Str Wt 55000.00 lbs
						Unseated Str Wt 57000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 249.00 ft
						D.P. Length 3197.00 ft

RECOVERY

Tot Fluid 400.00 ft of 249.00 ft in DC and 151.00 ft in DP
 400.00 ft of Muddy water with oil spots

RW .17 @ 67 F

SALINITY 46000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow -
 .5" blow building to 9"

Final Flow -
 Surface blow building to 4"

SAMPLES: none taken
 SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	8.80 lb/c
Vis.	56.00 S/L
W.L.	7.60 in3
F.C.	0.00 in

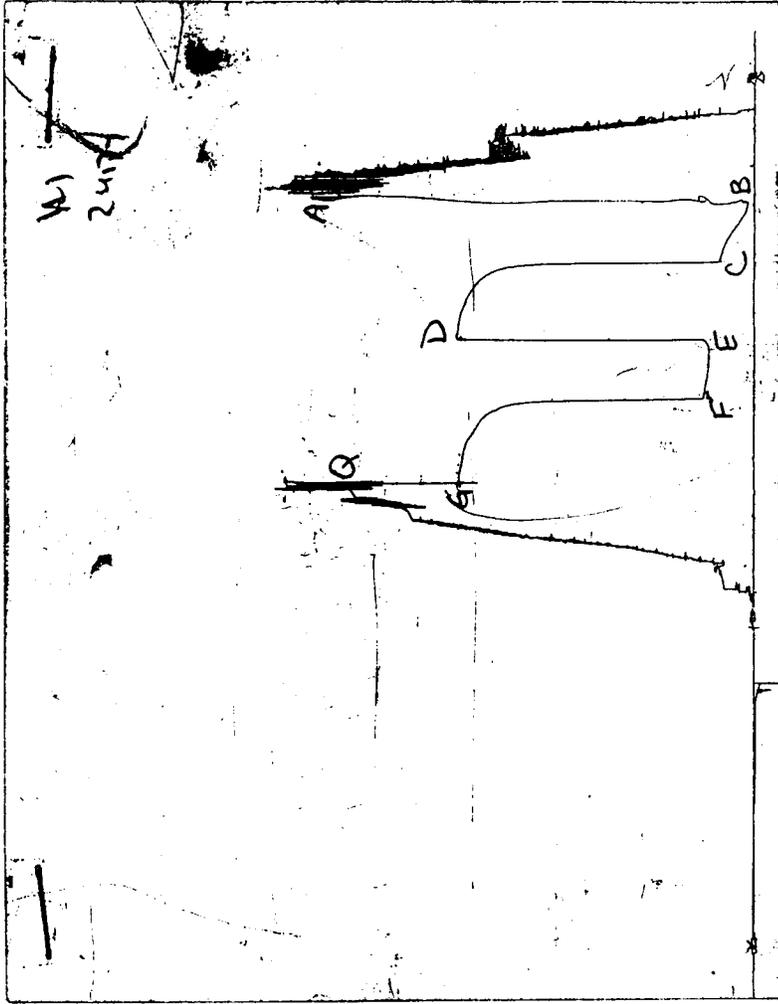
Mud Drop N

Amt. of fill	0.00 ft
Btm. H. Temp.	113.00 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 Paul Simpson
 Co. Rep. Steve Davis
 Contr. Mallard
 Rig # 1
 Unit #
 Pump T.

Test Successful: Y

CHART PAGE



This is an actual photograph of recorder chart

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: #1-3 D. Oetken

LOCATION : 03-19S-17W, Rush Cty KS

TICKET No. 8660 D.S.T. No. 1 DATE 11-29-95

TOTAL TOOL TO BOTTOM OF TOP PACKERS 26

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 22

TOTAL TOOL 48

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 48

D.C. ABOVE TOOLS.Stands4 Single Total 249

D.P. ABOVE TOOLS.Stands51 Single Total 3197

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3494

TOTAL DEPTH 3488

TOTAL DRILL PIPE ABOVE K.B. 6

REMARKS:

P.O. SUB	
C.O. SUB changeover sub	3440
S.I. TOOL Shutin tool	3446
HMV Hydraulic tool	3451
JARS 4'	3455
SAFETY JOINT 2'	3457
PACKER Top Packer	3461
PACKER Bottom Packer	3466
DEPTH 3466	
STUBB 1'	3467
ANCHOR	
3' perf	3470
AK-1 recorder	3470
5' perf	3475
5' perf	3480
T.C.	
DEPTH	
AK-1 recorder	3483
5' perf	3485
BULLNOSE 3' bull plug	
T.D.	3488

TRILOBITE TESTING L.L.C.

OPERATOR : Cross Bar Pet/L. D. Drlg
 WELL NAME: #1-3 Oetken
 LOCATION : 3-19S-17W, Rush Cty KS
 INTERVAL : 3494.00 To 3540.00 ft

DATE 11/29/95

KB 2064.00 ft TICKET NO: 8661 DST #2
 GR 2059.00 ft FORMATION: LKC
 TD 3540.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	24174	24174	10994			PF Fr. 1745 to 1815 hr
SI 30 Range(Psi)	3050.0	3050.0	4200.0	0.0	0.0	IS Fr. 1815 to 1845 hr
SF 10 Clock(hrs)	AK-1	AK-1	AK-1			SF Fr. 1845 to 1855 hr
FS 0 Depth(ft)	3499.0	3499.0	3535.0	0.0	0.0	FS Fr. to hr

	Field	1	2	3	4	
A. Init Hydro	1712.0	1715.0	0.0	0.0	0.0	T STARTED 1651 hr
B. First Flow	30.0	40.0	0.0	0.0	0.0	T ON BOTM 1740 hr
B1. Final Flow	30.0	33.0	0.0	0.0	0.0	T OPEN 1745 hr
C. In Shut-in	1047.0	1051.0	0.0	0.0	0.0	T PULLED 1900 hr
D. Init Flow	30.0	52.0	0.0	0.0	0.0	T OUT 1950 hr
E. Final Flow	30.0	51.0	0.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0	
G. Final Hydro	1704.0	1700.0	0.0	0.0	0.0	TOOL DATA-----
Inside/Outside	I	I	O			Tool Wt. 1800.00 lbs

RECOVERY

Tot Fluid 20.00 ft of 20.00 ft in DC and 0.00 ft in DP
 20.00 ft of Mud

Wt Set On Packer 20000.00 lbs
 Wt Pulled Loose 65000.00 lbs
 Initial Str Wt 55000.00 lbs
 Unseated Str Wt 55000.00 lbs
 Bot Choke 0.75 in
 Hole Size 7.88 in
 D Col. ID 2.25 in
 D. Pipe ID 3.80 in
 D.C. Length 187.00 ft
 D.P. Length 3292.00 ft

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

BLOW DESCRIPTION

Initial Flow -
 Weak, .25" blow, died in 20 min

Final Flow -
 No blow, flushed tool, no blow after surge

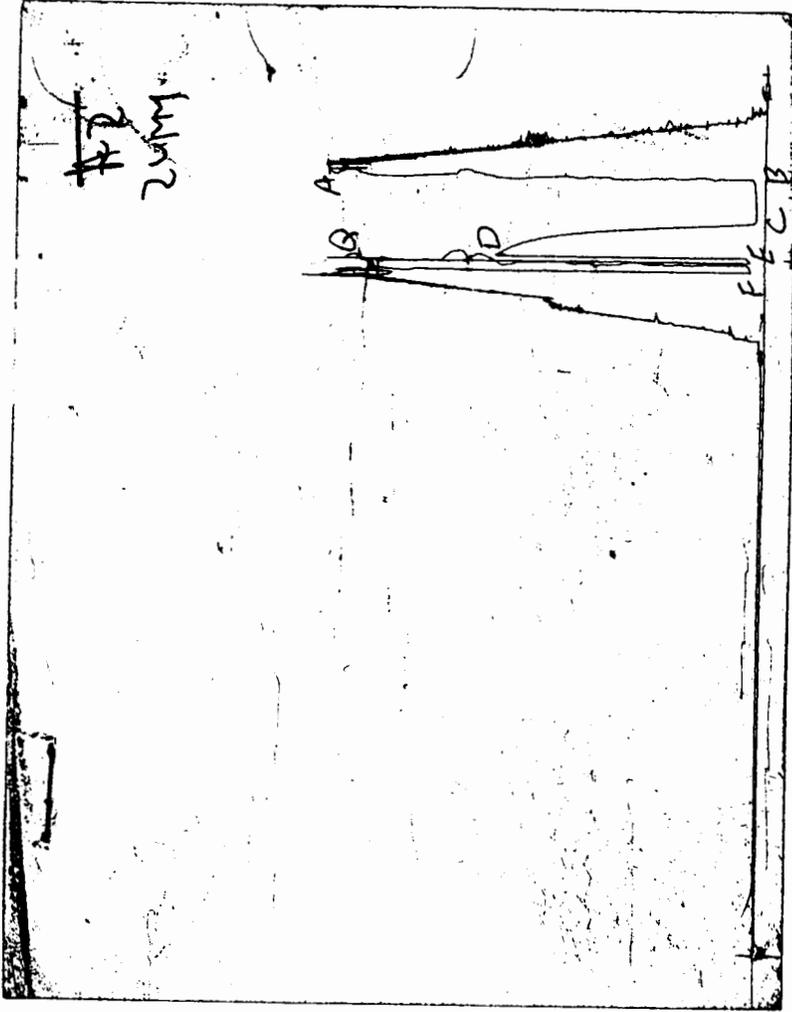
MUD DATA-----

Mud Type	Chemical
Weight	8.80 lb/c
Vis.	45.00 S/L
W.L.	8.40 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	115.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Paul Simpson
Co. Rep.	Steve Davis
Contr.	Mallard
Rig #	
Unit #	
Pump T.	

SAMPLES:
 SENT TO:

Test Successful: Y

CHART PAGE



This is an actual photograph of recorder chart

TRILOBITE TESTING L.L.C.

OPERATOR : Cross Bar Pet./L.D. Drlg
 WELL NAME: #1-3 D. Oetken
 LOCATION : 03-19S-17W, Rush Cty KS
 INTERVAL : 3812.00 To 3822.00 ft

DATE 12-01-95

KB 2064.00 ft TICKET NO: 8662 DST #3
 GR 2059.00 ft FORMATION: Arbuckle
 TD 3822.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 26 Rec.		2351				PF Fr. 1222 to 1248 hr
SI 60 Range(Psi)	0.0	4995.0	0.0	0.0	0.0	IS Fr. 1248 to 1348 hr
SF 15 Clock(hrs)		Alpin				SF Fr. 1348 to 1403 hr
FS -0 Depth(ft)	0.0	3813.0	0.0	0.0	0.0	FS Fr. ---- to ---- hr

	Field	1	2	3	4	
A. Init Hydro	0.0	1840.0	0.0	0.0	0.0	T STARTED 1115 hr
B. First Flow	0.0	24.0	0.0	0.0	0.0	T ON BOTM 1220 hr
B1. Final Flow	0.0	26.0	0.0	0.0	0.0	T OPEN 1222 hr
C. In Shut-in	0.0	91.0	0.0	0.0	0.0	T PULLED 1403 hr
D. Init Flow	0.0	27.0	0.0	0.0	0.0	T OUT hr
E. Final Flow	0.0	64.0	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	1840.0	0.0	0.0	0.0	Tool Wt. 1900.00 lbs
Inside/Outside		i	i			Wt Set On Packer 20000.00 lbs

RECOVERY

Tot Fluid 60.00 ft of 60.00 ft in DC and 0.00 ft in DP
 60.00 ft of Mud

Initial Str Wt 57000.00 lbs
 Unseated Str Wt 57000.00 lbs
 Bot Choke 0.75 in
 Hole Size 7.88 in
 D Col. ID 2.25 in
 D. Pipe ID 3.80 in
 D.C. Length 187.00 ft
 D.P. Length 3605.00 ft

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

BLOW DESCRIPTION

Initial Flow -
 Weak .25" blow, died in 20 min

Final Flow -
 No blow, flushed tool, blow died in 5 min

SAMPLES: none taken
 SENT TO:

MUD DATA-----
 Mud Type Chemical
 Weight 8.90 lb/cf
 Vis. 45.00 S/L
 W.L. 7.00 in3
 F.C. 0.00 in
 Mud Drop N
 Amt. of fill 0.00 ft
 Btm. H. Temp. 110.00 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 Paul Simpson
 Co. Rep. Steve Davis
 Contr. Mallard
 Rig # 1
 Unit #
 Pump T.

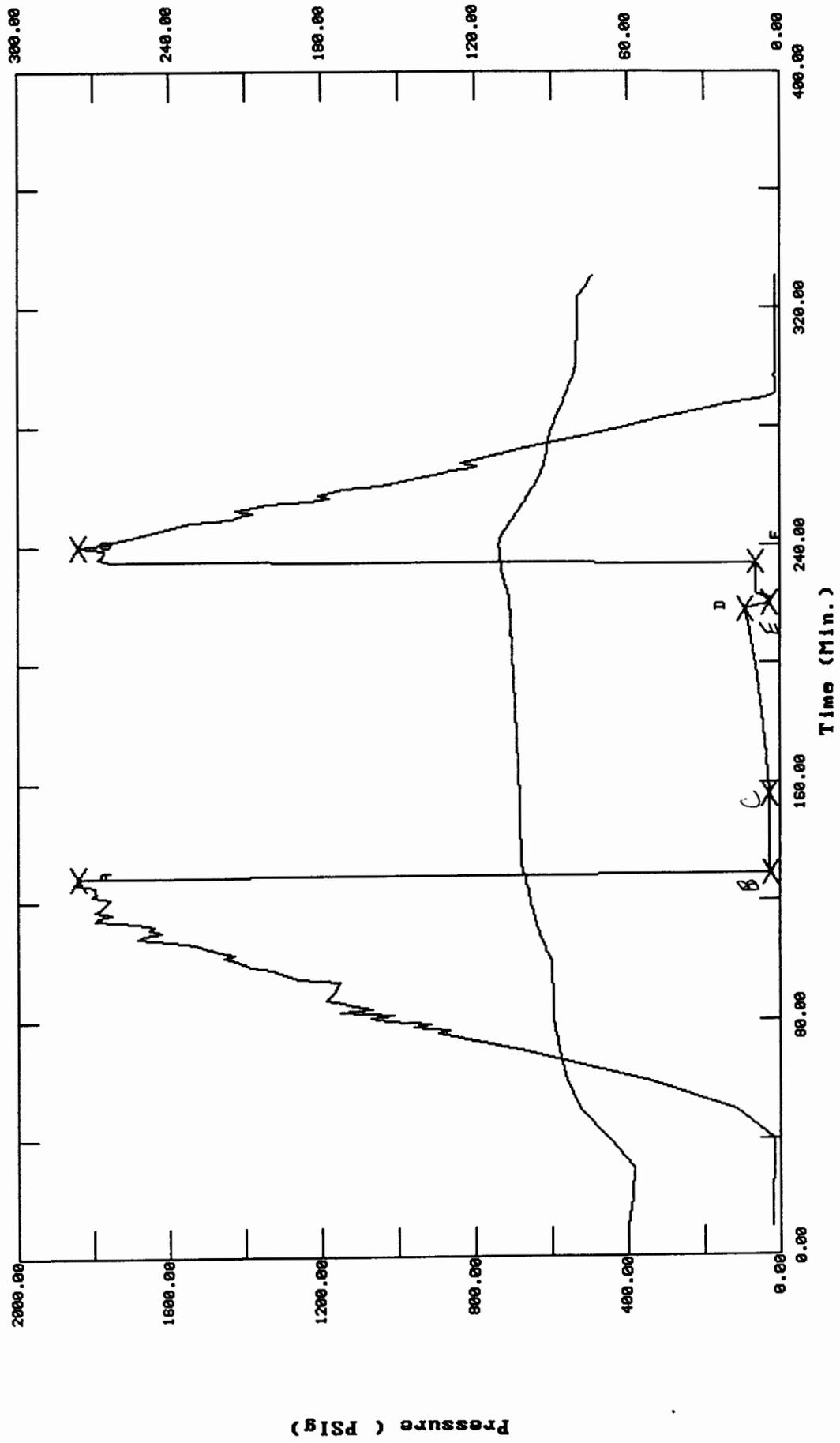
Test Successful: Y

TEST HISTORY

8662 Crossbar Pet./L.D. Drilling #1-3 D. Oetken

Flag Points

t (Min.)	Pk (PSig)
A1	0.00 1839.69
B1	0.00 24.33
C1	27.00 25.93
D1	62.00 98.80
E1	0.00 26.76
F1	14.00 63.78
Q1	0.00 1848.11



ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8662 Crossbar Pet./L.D. Drilling #1-3 D. Oetken

DATE: 11/30/95

TIME: 23:33:51

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** Initial Hydro.	128.00	1839.7	0.0	100.34		
***** Start Flow 1	0.00	24.3	0.0	100.88		
	1.00	24.8	0.5	101.25		
	2.00	25.1	0.8	101.47		
	3.00	25.4	1.1	101.64		
	4.00	25.3	0.9	101.78		
	5.00	25.8	1.5	101.86		
	6.00	25.5	1.2	101.93		
	7.00	25.9	1.6	102.01		
	8.00	25.6	1.3	102.04		
	9.00	25.6	1.3	102.08		
	10.00	26.0	1.7	102.12		
	11.00	26.0	1.7	102.16		
	12.00	26.1	1.8	102.19		
	13.00	26.1	1.8	102.21		
	14.00	26.1	1.8	102.24		
	15.00	26.1	1.8	102.27		
	16.00	25.8	1.5	102.29		
	17.00	25.8	1.4	102.32		
	18.00	26.2	1.8	102.35		
	19.00	25.8	1.5	102.37		
	20.00	25.9	1.6	102.40		
	21.00	26.0	1.7	102.43		
	22.00	26.3	2.0	102.47		
	23.00	26.0	1.7	102.51		
	24.00	26.4	2.1	102.54		
	25.00	26.4	2.1	102.57		
	26.00	26.1	1.8	102.62		
***** End Flow 1	27.00	25.9	1.6	102.66		
***** Start Shutin 1	0.00	25.9	0.0	102.66	0.0000	0.001
	1.00	26.6	0.7	102.72	28.0000	0.001
	2.00	27.3	1.3	102.73	14.5000	0.001
	3.00	28.3	2.4	102.78	10.0000	0.001
	4.00	29.0	3.1	102.83	7.7500	0.001
	5.00	29.3	3.4	102.87	6.4000	0.001
	6.00	30.0	4.1	102.93	5.5000	0.001
	7.00	31.1	5.2	102.98	4.8571	0.001
	8.00	31.8	5.9	103.03	4.3750	0.001
	9.00	32.1	6.2	103.08	4.0000	0.001
	10.00	32.8	6.9	103.14	3.7000	0.001
	11.00	33.8	7.9	103.20	3.4545	0.001
	12.00	34.6	8.6	103.25	3.2500	0.001
	13.00	35.2	9.3	103.30	3.0769	0.001
	14.00	36.1	10.2	103.36	2.9286	0.001
	15.00	36.3	10.4	103.43	2.8000	0.001
	16.00	37.2	11.2	103.49	2.6875	0.001
	17.00	38.3	12.3	103.54	2.5882	0.001
	18.00	38.7	12.8	103.61	2.5000	0.001
	19.00	39.4	13.5	103.64	2.4211	0.002
	20.00	40.4	14.5	103.68	2.3500	0.002
	21.00	41.3	15.4	103.75	2.2857	0.002

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8662 Crossbar Pet./L.D. Drilling #1-3 D. Oetken

DATE: 11/30/95

TIME: 23:33:51

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	22.00	41.7	15.8	103.81	2.2273	0.002
	23.00	42.9	17.0	103.88	2.1739	0.002
	24.00	43.7	17.8	103.94	2.1250	0.002
	25.00	44.2	18.3	104.02	2.0800	0.002
	26.00	45.1	19.1	104.07	2.0385	0.002
	27.00	46.2	20.3	104.13	2.0000	0.002
	28.00	47.2	21.3	104.20	1.9643	0.002
	29.00	48.2	22.2	104.25	1.9310	0.002
	30.00	49.0	23.1	104.32	1.9000	0.002
	31.00	49.7	23.8	104.39	1.8710	0.002
	32.00	50.6	24.7	104.45	1.8438	0.003
	33.00	51.5	25.6	104.52	1.8182	0.003
	34.00	53.0	27.1	104.59	1.7941	0.003
	35.00	54.0	28.0	104.65	1.7714	0.003
	36.00	55.0	29.0	104.71	1.7500	0.003
	37.00	56.1	30.1	104.78	1.7297	0.003
	38.00	56.7	30.8	104.84	1.7105	0.003
	39.00	58.2	32.2	104.90	1.6923	0.003
	40.00	58.9	33.0	104.96	1.6750	0.003
	41.00	60.4	34.5	105.02	1.6585	0.004
	42.00	61.2	35.2	105.10	1.6429	0.004
	43.00	62.8	36.8	105.16	1.6279	0.004
	44.00	63.5	37.6	105.22	1.6136	0.004
	45.00	65.2	39.3	105.29	1.6000	0.004
	46.00	66.1	40.2	105.34	1.5870	0.004
	47.00	67.4	41.5	105.41	1.5745	0.005
	48.00	68.6	42.7	105.46	1.5625	0.005
	49.00	70.0	44.1	105.52	1.5510	0.005
	50.00	71.7	45.7	105.60	1.5400	0.005
	51.00	73.2	47.3	105.66	1.5294	0.005
	52.00	74.5	48.6	105.72	1.5192	0.006
	53.00	76.0	50.1	105.78	1.5094	0.006
	54.00	77.1	51.2	105.84	1.5000	0.006
	55.00	79.1	53.2	105.92	1.4909	0.006
	56.00	80.2	54.3	105.97	1.4821	0.006
	57.00	81.8	55.9	106.03	1.4737	0.007
	58.00	84.0	58.1	106.11	1.4655	0.007
	59.00	85.7	59.8	106.15	1.4576	0.007
	60.00	87.4	61.5	106.23	1.4500	0.008
	61.00	89.3	63.4	106.29	1.4426	0.008
***** End Shut-in 1	62.00	90.8	64.9	106.35	1.4355	0.008
***** Start Flow 2	0.00	26.8	0.0	106.48		
	1.00	26.4	-0.3	106.52		
	2.00	26.8	0.0	106.58		
	3.00	57.7	31.0	106.66		
	4.00	62.9	36.2	107.03		
	5.00	63.3	36.5	107.46		
	6.00	63.3	36.5	107.99		
	7.00	63.5	36.8	108.42		
	8.00	63.7	36.9	108.79		
	9.00	63.7	36.9	109.10		

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8662 Crossbar Pet./L.D. Drilling #1-3 D. Oetken

DATE: 11/30/95

TIME: 23:33:51

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	10.00	63.8	37.0	109.31		
	11.00	63.4	36.7	109.53		
	12.00	63.5	36.7	109.71		
	13.00	63.5	36.7	109.79		
***** End Flow 2	14.00	63.8	37.0	109.89		
***** Start Shutin 2	0.00	63.8	0.0	109.89	0.0000	0.004
	1.00	1753.6	1689.8	110.10	42.0000	3.075
	2.00	1788.0	1724.2	110.24	21.5000	3.197
	3.00	1776.8	1713.1	110.35	14.6667	3.157
	4.00	1773.1	1709.4	110.51	11.2500	3.144
	5.00	1771.1	1707.3	110.61	9.2000	3.137
***** End Shut-in 2	6.00	1840.1	1776.3	110.68	7.8333	3.386
***** Final Hydro.	240.00	1840.1	0.0	110.68		

TRILOBITE TESTING L.L.C.

OPERATOR : Cross Bar Pet/L.D. Drlg
 WELL NAME: #1-3 D Oetken
 LOCATION : 3-19S-17W, Rush Cty KS
 INTERVAL : 3823.00 To 3837.00 ft

DATE 12/1/95

KB 0.00 ft TICKET NO: 8663 DST #4
 GR 0.00 ft FORMATION: Arbuckle
 TD 3837.00 ft TEST TYPE: CONVENTIONAL

RECORDÉR DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF	30	Rec.	24174	24174	10994		PF Fr. 1222 to 1252 hr
SI	30	Range(Psi)	3050.0	3050.0	0.0	0.0	IS Fr. 1252 to 1322 hr
SF	20	Clock(hrs)	AK-1	AK-1	AK-1		SF Fr. 1322 to 1342 hr
FS	0	Depth(ft)	3825.0	3825.0	3832.0	0.0	0.0 FS Fr. to hr

	Field	1	2	3	4	
A. Init Hydro	1872.0	1860.0	0.0	0.0	0.0	T STARTED 1115 hr
B. First Flow	22.0	16.0	0.0	0.0	0.0	T ON BOTM 1220 hr
B1. Final Flow	22.0	14.0	0.0	0.0	0.0	T OPEN 1222 hr
C. In Shut-in	1009.0	1001.0	0.0	0.0	0.0	T PULLED 1342 hr
D. Init Flow	37.0	47.0	0.0	0.0	0.0	T OUT 1440 hr
E. Final Flow	37.0	47.0	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	1865.0	1845.0	0.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	I	I	O			Wt Set On Packer 0.00 lbs
						Wt Pulled Loose 0.00 lbs
						Initial Str Wt 57000.00 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 3.80 in
						D.C. Length 187.00 ft
						D.P. Length 3637.00 ft

RECOVERY

Tot Fluid 20.00 ft of 20.00 ft in DC and 0.00 ft in DP
 20.00 ft of Slightly oil cut mud - 5% oil, 95% mud

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

BLOW DESCRIPTION

Initial Flow -
 Weak surface blow, died in 10 min

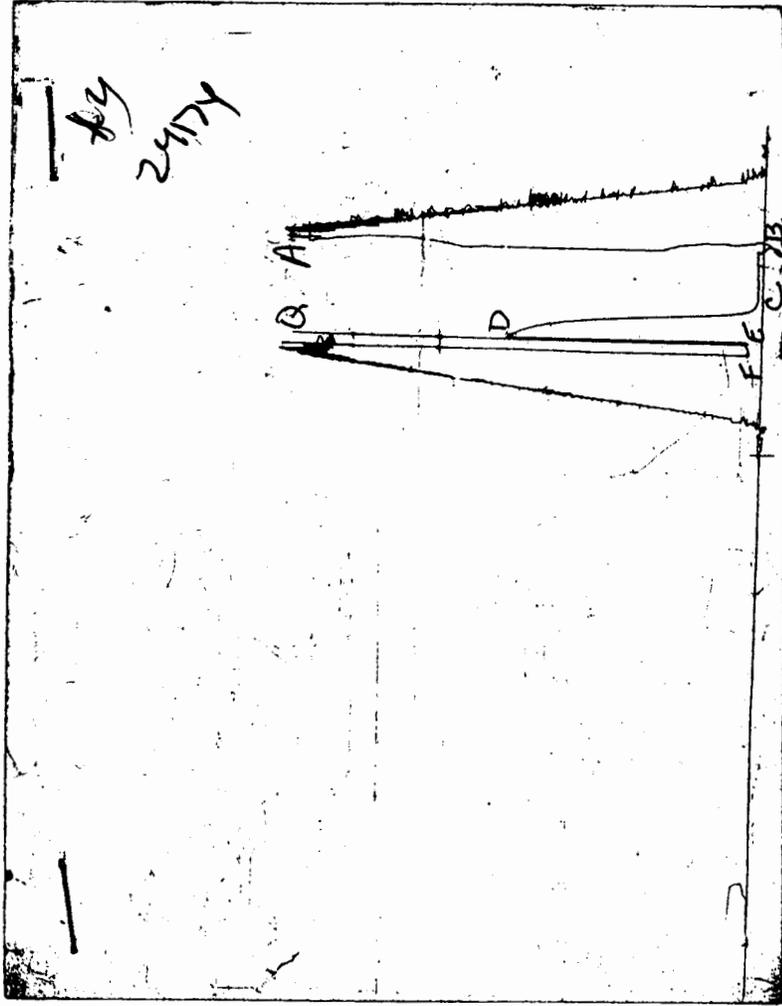
Final Flow -
 No blow, flushed tool, weak blow, died
 in 3 min

MUD DATA-----	
Mud Type	Chemical
Weight	8.80 lb/cf
Vis.	47.00 S/L
W.L.	7.00 in ³
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	113.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Paul Simpson
Co. Rep.	Steve Davis
Contr.	Mallard
Rig #	
Unit #	
Pump T.	

SAMPLES:
 SENT TO:

Test Successful: Y

CHART PAGE



This is an actual photograph of recorder chart

CALCULATED RECOVERY ANALYSIS - DRILL PIPE

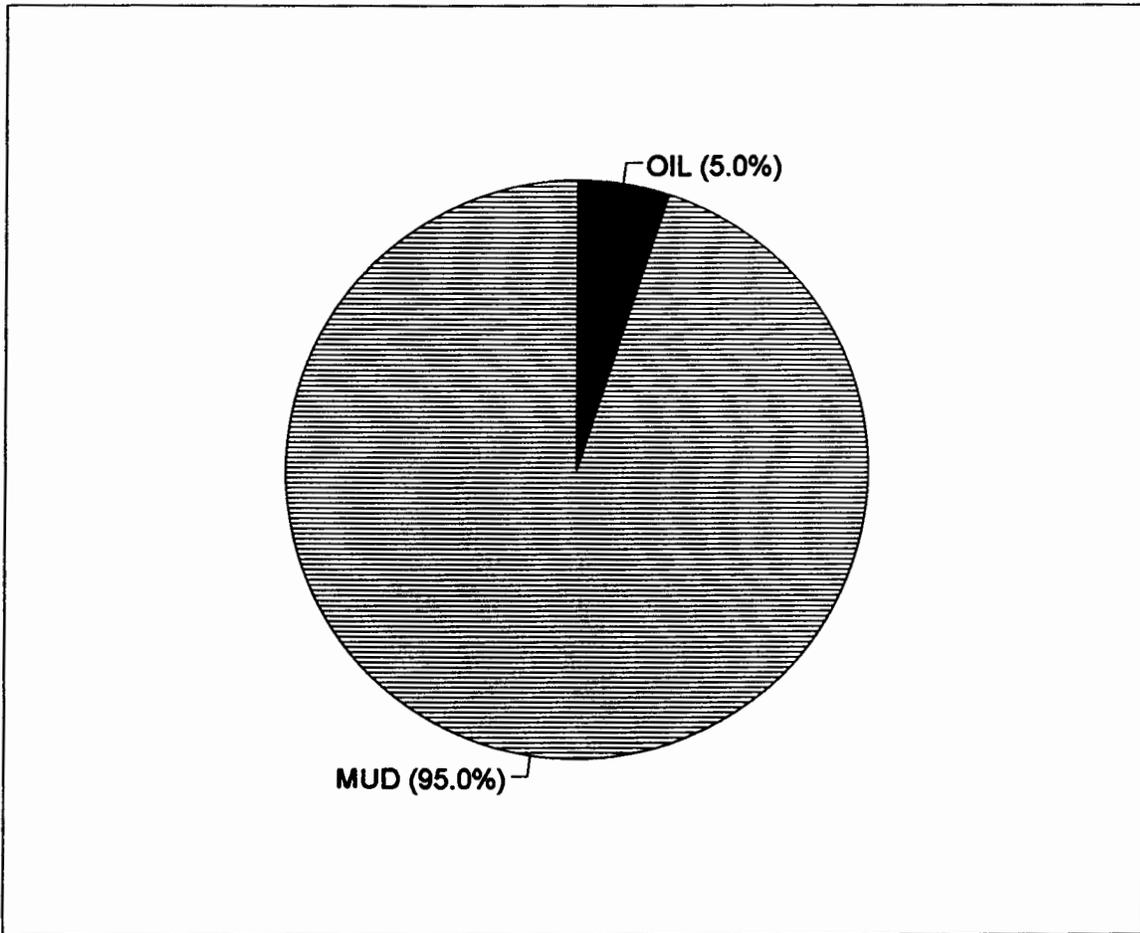
DST # 4

TICKET # 8663

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
1	20		0	5	1		0	95	19
2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
6			0		0		0		0
TOTAL	20	0.00	0	5.00	1	0	0	95.00	19

HRS OPE BBL/DAY

BBL OIL=	0.01422	*	0.83	0.41
BBL WATER=	0	*		0.00
BBL MUD=	0.27018			
BBL GAS	0			



TRILOBITE TESTING L.L.C.

OPERATOR : Cross Bar Pet/L D Drlg
 WELL NAME: #1-3 D Oetken
 LOCATION : 3-19S-17W, Rush Cty KS
 INTERVAL : 3835.00 To 3850.00 ft

DATE 12/1/95
 KB 0.00 ft TICKET NO: 8664 DST #5
 GR 0.00 ft FORMATION: Arbuckle
 TD 3850.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 45 Rec.	24174	24174	10994			PF Fr. 2229 to 2314 hr
SI 60 Range(Psi)	3050.0	3050.0	0.0	0.0	0.0	IS Fr. 2314 to 0014 hr
SF 45 Clock(hrs)	AK-1	AK-1	AK-1			SF Fr. 0014 to 0059 hr
FS 90 Depth(ft)	3838.0	3838.0	3845.0	0.0	0.0	FS Fr. 0059 to 0229 hr

	Field	1	2	3	4	
A. Init Hydro	1903.0	1900.0	0.0	0.0	0.0	T STARTED 2120 hr
B. First Flow	15.0	21.0	0.0	0.0	0.0	T ON BOTM 2225 hr
B1. Final Flow	30.0	31.0	0.0	0.0	0.0	T OPEN 2229 hr
C. In Shut-in	1085.0	1080.0	0.0	0.0	0.0	T PULLED 0229 hr
D. Init Flow	59.0	64.0	0.0	0.0	0.0	T OUT 0338 hr
E. Final Flow	59.0	67.0	0.0	0.0	0.0	
F. Fl Shut-in	1092.0	1092.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1781.0	1781.0	0.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	I	I	O			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 65000.00 lbs
						Initial Str Wt 58000.00 lbs
						Unseated Str Wt 58000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 187.00 ft
						D.P. Length 3057.00 ft

RECOVERY

Tot Fluid 120.00 ft of 120.00 ft in DC and 0.00 ft in DP
 60.00 ft of Mud w/ oil spots at top - 100% mud
 60.00 ft of Watery mud - 40% water, 60% mud

RW .34 @ 46 F

SALINITY 32000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow -
 Weak .5" blow building to 1.5"

Final Flow -
 Very weak surface blow building to
 .25"

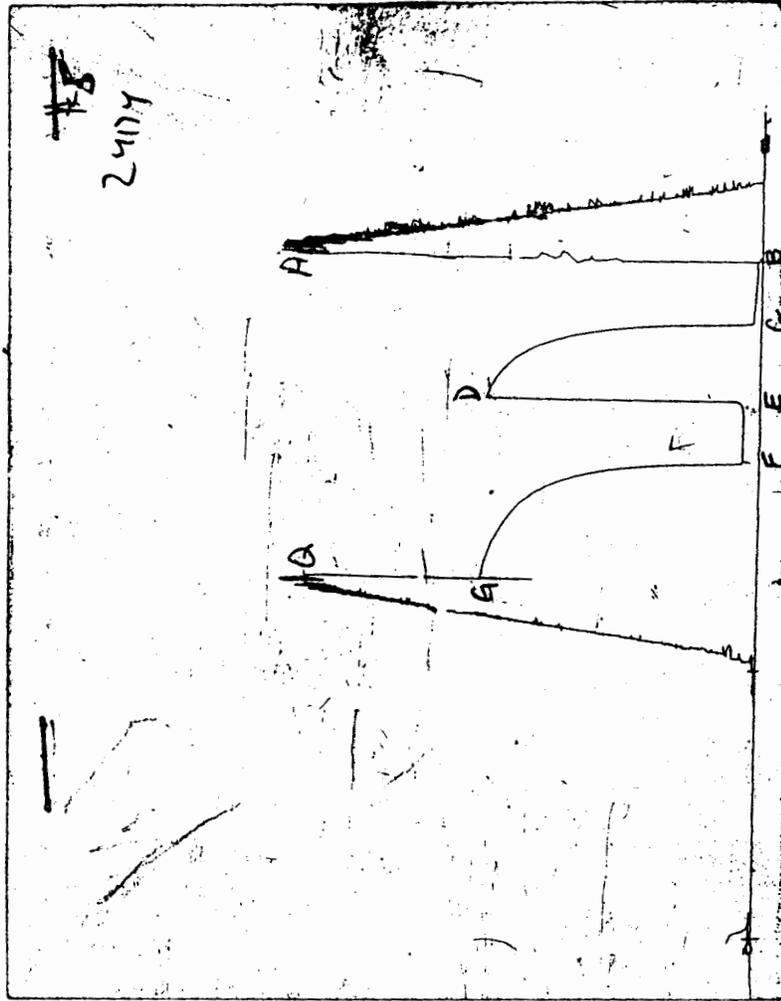
SAMPLES:
 SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	8.80 lb/c
Vis.	40.00 S/L
W.L.	6.00 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	117.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Paul Simpson
Co. Rep.	Steve Davis
Contr.	Mallard
Rig #	
Unit #	
Pump T.	

Test Successful: Y

CHART PAGE



This is an actual photograph of recorder chart